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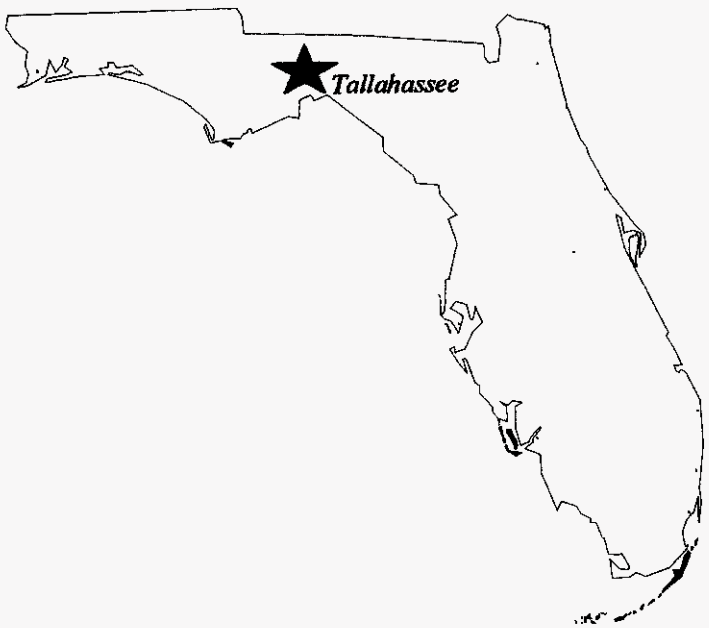

Investigation Into Pricing Of Unbundled Network Elements

BINDER 9
TABS 16 - 17

APRIL 17, 2000

PROCESS PROCEDURE FOR OSPInvest.pas

The purpose of the document is to help explain how OSPInvest.pas precesses data and develops the investments for cables, supporting structures, and equipement placed by ICM 4.1.

The Arcinvestment procedure located at the end of the OSPInvest.pas routine controls the processes that occur in the routine. It reads one line of the ARC file at a time and determines which subroutines need to be called to develop the appropriate investments. It also creates the "Compliment Names" for each part of the Loop, assigns the appropriate investment to each compliment and writes this information to a file. Most of the investments are kept by "Business" and "Residential" as well as "Core" and "Non-core".

In all coding for procedures, routines, and sub-routines comments are either inclosed in { } or follow //. General comments about a section of coding are usually inclosed in { }. A comment for a single line usually follows the //. The code on pages 2 - 4 of this document define the variables used in the procedure and set the values of wire center specific variables for each CLLI from the "Node Table".

The Arcinvestment procedure at the end of the OSPInvest.pas reads each line of data from the ARC file, determines which sub-routine is required, calls that sub-routine to calculate the investments, and then reports the investments to the OSP file. There are two items that are not done in this fashion, the pair gains and the cross connect boxes. The size and quantity of these two items are determined in the Spanning routine. The Spanning routine calls the sub-routines in the OSPInvest routine to calculate the investments but the results go back to the spanning routine where they are reported to the OSP file.

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PROCESS PROCEDURE FOR OSPInvest.pas

```
procedure ArcInvestments;
 var
  CLLI   : String;
  Length  : Integer;
  Strands : Integer;
  IOF_Stnd: Integer;
  HRF_Stnd: Integer;
  Demand  : Integer;
  AT     : Integer; // Arc Type
  DPrFtU  : Double;  // Distribution pair feet utilize
  DPrFtC  : Double;  // Distribution pair feet capacity
  FPrFtU  : Double;  // Feeder pair feet utilize
  FPrFtC  : Double;  // Feeder pair feet capacity
  UFill   : Double;  // User Fill
  CInv    : Double;  //Cable investment
  SInv    : Double;  //Structure investment
  VS     : Double;  //VS investment
  IOF_CInv: Double;  //Inter-Office Cable investment
  IOF_SInv: Double;  //Inter-Office Structure investment
  IOF_VS  : Double;  //Inter-Office VS investment
  HRF_CInv: Double;  //Host-Remote Cable investment
  HRF_SInv: Double;  //Host-Remote Structure investment
  HRF_VS  : Double;  //Host-Remote VS investment
  RF     : Double;  //Res lines fraction
  BF     : Double;  //Bus lines fraction
  DF     : String[1];//Distribution / feeder
  Distance: Double;  //length of arc in miles

function IsRemoteSwitch : Boolean;
 Var
  SW_Type : String;
  TabName : String;
  Ok     : Boolean;

{ function IsRemoteSwitch gets a switch type from the Nodes Table (t_nodes)
  and determines if it a remote switch by looking it up in the switch type
  table (t_switch).  Sets variable OK = False if NOT found. }
 begin
```

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```
{ Open Switch Type Table }
TabName :=  f_associate.GetFileName(2001);    // get switch type table filename and location using index 2001
With dm_ICM.t_Switch do   // set switch table variable name to t_switch and setup table
 begin
   if Active then Close;
   DatabaseName := ExtractFilePath(TabName);
   TableName := ExtractFilename(TabName);
   IndexFieldNames := '';
   IndexName := '';
   TableType := ttDefault;
   Exclusive := true;
   Open;
 end;  // end 'with t_switch do'

OK := True;
SW_Type := dm_ICM.t_Nodes.FieldByName('Switch Type').AsString;  // get switch type from nodes table
if  dm_ICM.t_Nodes.FieldByName('Substitution').AsString <> ''   // is there a substitution for this type
 then SW_Type := dm_ICM.t_Nodes.FieldByName('Substitution').AsString;  // yes, get the substitution switch type

if dm_ICM.t_Switch.FindKey([SW_Type])  // search for the nodes switch type in the switch type table
  then begin   // found corresponding switch type
       if dm_ICM.t_Switch.FieldByName('Substitution').AsString <> '' // is there a switch type table substitution
         then begin  // yes, found substitution
              SW_Type := dm_ICM.t_Switch.FieldByName('Substitution').AsString;  // get the switch type substitution value
              if Not dm_ICM.t_Switch.FindKey([SW_Type])  // is this a valid switch type
                then Ok := False;  // no, not valid - return False
             end;  // end 'if t_switch.fieldbyname'
      end  // end 'if t_switch.findkey'
  else Ok := False;  // nodes switch type not found in switch type table, return False

if Not OK  // if switch type not found, output error message
  then begin
       MessageDlg(CLLI+' - Could not find switch type ['+SW_Type+']', mtError, [mbOk],0);
       Monitor.LogEvent(4,'Switch','Could not find switch type ['+SW_Type+']');
      end;  // end 'if Not OK'
```

```
  if Ok
   then begin
        dm_ICM.t_Switch.FindKey([SW_Type]);  // find switch type in switch type table
        Result := UpCase(dm_ICM.t_Switch.FieldByName('Host/Rem').AsString[1]) in ['R','D'];
       end
   else Result := False;
  dm_ICM.t_Switch.Close;
end;  // end IsRemoteSwitch

begin
  if Asmp.CU_Loop_Length = 18
   then CUGA := 24   //use heavier wire for 18KFT loops
   else CUGA := 26;

  DM_ICM.t_HRArcFile.Open;
  DM_ICM.t_Arcs.IndexName := '';     //Order Arc table for investment calculations
  DM_ICM.t_Nodes.First;              // Move to first record of Node table
  while Not DM_ICM.t_Nodes.Eof do     // Loop through Node table one record at a time
    begin
     f_Demand.Gauge1.Progress := Round((DM_ICM.t_Nodes.RecNo-1) / DM_ICM.t_Nodes.RecordCount * 100.0);
     f_Demand.l_Progress.Caption := Format('Investment %d of %d',
                          [DM_ICM.t_Nodes.RecNo-1, DM_ICM.t_Nodes.RecordCount]);
     Application.ProcessMessages;

     CLLI    := DM_ICM.t_Nodes.FieldByName('CLLI').AsString;   // Set CLLI code
     Asmp.HML := DM_ICM.t_Nodes.FieldByName('HML').AsString;   // Set High Medium Low code
     DM_ICM.t_Arcs.SetRange([CLLI],[CLLI]);                    // Set filter for CLLI

     DPrFtU  :=0.0;  // Distribution pair feet utilize
     DPrFtC  :=0.0;  // Distribution pair feet capacity
     FPrFtU  :=0.0;  // Feeder pair feet utilize
     FPrFtC  :=0.0;  // Feeder pair feet capacity

     DM_ICM.t_Arcs.First;           // Move to first record of the ARC table
     while Not DM_ICM.t_Arcs.Eof do   // Loop through the arc table one record at a time
      begin
        BedRock          := DM_ICM.t_Arcs.FieldByName('BedRock').AsInteger;
        WaterTable       := DM_ICM.t_Arcs.FieldByName('WaterTable').AsInteger;
        Asmp.Structure_Flag := DM_ICM.t_Arcs.FieldByName('Structure').AsInteger;
```

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```
AT := DM_ICM.t_Arcs.FieldByName('Arc Type').AsInteger;
if AT > 0
 then begin
      Demand := DM_ICM.t_Arcs.FieldByName('Res Lines').AsInteger + DM_ICM.t_Arcs.FieldByName('Bus Lines').AsInteger;
      RF := DM_ICM.t_Arcs.FieldByName('Res Lines').AsFloat / Demand;
      BF := 1.0 - RF;
      AvgLpLength.Write(Clli, DM_ICM.t_Arcs.FieldByName('LoopLenCode').AsInteger);
     end;

case AT  of
   1 : DF := 'F';
 2,3 : DF := DM_ICM.t_Arcs.FieldByName('OSP Type').AsString;
   4 : DF := 'D';
end;

case AT of
2..4 : begin // Distribution copper cable
       if Asmp.UserFill
         then UFill := Asmp.UserDistFill;

       Pair_Ft_Cap := 0;// pair feet of cable placed (pair_ft_cap)
       Pair_Ft_Utl := 0;   // pair feet of cable utilized (pair_ft_utl)
       FiberCable  := False;
       CanPlow     := DM_ICM.t_Arcs.FieldByName('CanPlow').AsInteger <> 0;
```

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PROCESS PROCEDURE FOR OSPInvest.pas

```
// Aerial Cable
Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
          DM_ICM.t_Arcs.FieldByName('PerAerial').AsFloat);
if Length > 0
 then begin
      CInv := Place_CU_Aerial(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                              DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                        Length, Demand, UFill);
      SInv := Poles (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                       DM_ICM.t_Arcs.FieldByName('Y').AsInteger, Length);

      if (DM_ICM.t_Arcs.FieldByName('X').AsInteger = 0) and
        (DM_ICM.t_Arcs.FieldByName('Y').AsInteger = 0)
       then begin  // Core section of the office
            OSP_Table.Write (CLLI, '242110',  'T'+DF+'CAERCU', DF, CInv, CInv, 0.0);
            OSP_Table.Write (CLLI, '242110',  'R'+DF+'CAERCU', DF, CInv * RF, CInv * RF, 0.0);
            OSP_Table.Write (CLLI, '242110',  'B'+DF+'CAERCU', DF, CInv * BF, CInv * BF, 0.0);
            OSP_Table.Write (CLLI, '241100',  'T'+DF+'CPOLES', DF, SInv, SInv, 0.0);
            OSP_Table.Write (CLLI, '241100',  'R'+DF+'CPOLES', DF, SInv * RF, SInv * RF, 0.0);
            OSP_Table.Write (CLLI, '241100',  'B'+DF+'CPOLES', DF, SInv * BF, SInv * BF, 0.0);
           end
       else begin  // Non-Core section of the office
            OSP_Table.Write (CLLI, '242110',  'T'+DF+'FAERCU', DF, CInv, CInv, 0.0);
            OSP_Table.Write (CLLI, '242110',  'R'+DF+'FAERCU', DF, CInv * RF, CInv * RF, 0.0);
            OSP_Table.Write (CLLI, '242110',  'B'+DF+'FAERCU', DF, CInv * BF, CInv * BF, 0.0);
            OSP_Table.Write (CLLI, '241100',  'T'+DF+'FPOLES', DF, SInv, SInv, 0.0);
            OSP_Table.Write (CLLI, '241100',  'R'+DF+'FPOLES', DF, SInv * RF, SInv * RF, 0.0);
            OSP_Table.Write (CLLI, '241100',  'B'+DF+'FPOLES', DF, SInv * BF, SInv * BF, 0.0);
           end;
    end;

// Buried Cable
Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
          DM_ICM.t_Arcs.FieldByName('PerBuried').AsFloat);
if Length > 0
 then begin
      CInv := Place_CU_Buried(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                              DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                        Length, Demand, UFill);
      SInv := Trench (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
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                    DM_ICM.t_Arcs.FieldByName('Y').AsInteger, Length);

        if (DM_ICM.t_Arcs.FieldByName('X').AsInteger = 0) and
          (DM_ICM.t_Arcs.FieldByName('Y').AsInteger = 0)
          then begin  // Core section of the office
              OSP_Table.Write (CLLI, '242310',  'T'+DF+'CBURCU', DF,
                    (CInv+SInv), CInv, SInv);
              OSP_Table.Write (CLLI, '242310',  'R'+DF+'CBURCU', DF,
                    (CInv+SInv) * RF, CInv * RF, SInv * RF);
              OSP_Table.Write (CLLI, '242310',  'B'+DF+'CBURCU', DF,
                    (CInv+SInv) * BF, CInv * BF, SInv * BF);
            end
          else begin  // Non-Core section of the office
              OSP_Table.Write (CLLI, '242310',  'T'+DF+'FBURCU', DF,
                    (CInv+SInv), CInv, SInv);
              OSP_Table.Write (CLLI, '242310',  'R'+DF+'FBURCU', DF,
                    (CInv+SInv) * RF, CInv * RF, SInv * RF);
              OSP_Table.Write (CLLI, '242310',  'B'+DF+'FBURCU', DF,
                    (CInv+SInv) * BF, CInv * BF, SInv * BF);
            end;
      end;

    //Underground Cable
    Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
            DM_ICM.t_Arcs.FieldByName('PerUndGnd').AsFloat);
    if Length > 0
      then begin
        CInv := Place_CU_UndGnd(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                    DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                  Length, Demand, UFill);
        Num_Of_Ducts := Cable_Cnt;
        SInv := Conduit (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                  DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                  DM_ICM.t_Arcs.FieldByName('Demand').AsInteger,
                  DM_ICM.t_Arcs.FieldByName('Bus Lines').AsInteger, Length, 'AVG');
        VS   := Conduit (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                  DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                  DM_ICM.t_Arcs.FieldByName('Demand').AsInteger,
                  DM_ICM.t_Arcs.FieldByName('Bus Lines').AsInteger, Length, 'VS');
        if (DM_ICM.t_Arcs.FieldByName('X').AsInteger = 0) and
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            (DM_ICM.t_Arcs.FieldByName('Y').AsInteger = 0)
           then begin  // Core section of the office
                OSP_Table.Write (CLLI, '242210',  'T'+DF+'CUNDCU', DF, CInv, CInv, 0.0);
                OSP_Table.Write (CLLI, '242210',  'R'+DF+'CUNDCU', DF, CInv * RF, CInv * RF, 0.0);
                OSP_Table.Write (CLLI, '242210',  'B'+DF+'CUNDCU', DF, CInv * BF, CInv * BF, 0.0);
                OSP_Table.Write (CLLI, '244100',  'T'+DF+'CCOND',  DF, SInv, VS, (SInv - VS));
                OSP_Table.Write (CLLI, '244100',  'R'+DF+'CCOND',  DF, SInv * RF, VS * RF,
                          (SInv - VS) * RF);
                OSP_Table.Write (CLLI, '244100',  'B'+DF+'CCOND',  DF, SInv * BF, VS * BF,
                          (SInv - VS) * BF);
             end
           else begin  // Non-Core section of the office
                OSP_Table.Write (CLLI, '242210',  'T'+DF+'FUNDCU', DF, CInv, CInv, 0.0);
                OSP_Table.Write (CLLI, '242210',  'R'+DF+'FUNDCU', DF, CInv * RF, CInv * RF, 0.0);
                OSP_Table.Write (CLLI, '242210',  'B'+DF+'FUNDCU', DF, CInv * BF, CInv * BF, 0.0);
                OSP_Table.Write (CLLI, '244100',  'T'+DF+'FCOND',  DF, SInv, VS, (SInv - VS));
                OSP_Table.Write (CLLI, '244100',  'R'+DF+'FCOND',  DF, SInv * RF, VS * RF,
                          (SInv - VS) * RF);
                OSP_Table.Write (CLLI, '244100',  'B'+DF+'FCOND',  DF, SInv * BF, VS * BF,
                          (SInv - VS) * BF);
             end;
         end;

       DPrFtU := DPrFtU + Pair_Ft_Utl;  // Distribution pair feet utilize
       DPrFtC := DPrFtC + Pair_Ft_Cap;  // Distribution pair feet capacity
      end; //end of distribution cables

    1 : begin  //Feeder, IOF fiber cables
        if Asmp.UserFill
          then UFill := Asmp.UserFeedFill;
        FiberCable := True;
        if Asmp.HML = 'L'
          then Canplow := True
          else Canplow := False;

        Pair_Ft_Cap := 0;// pair feet of cable placed (pair_ft_cap)
        Pair_Ft_Utl := 0;  // pair feet of cable utilized (pair_ft_utl)

        DM_ICM.t_HRArcFile.SetRange([CLLI, AT,
                          DM_ICM.t_Arcs.FieldByName('From X').AsInteger,
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                    DM_ICM.t_Arcs.FieldByName('From Y').AsInteger,
                    DM_ICM.t_Arcs.FieldByName('To X').AsInteger,
                    DM_ICM.t_Arcs.FieldByName('To Y').AsInteger],
                [CLLI, AT,
                    DM_ICM.t_Arcs.FieldByName('From X').AsInteger,
                    DM_ICM.t_Arcs.FieldByName('From Y').AsInteger,
                    DM_ICM.t_Arcs.FieldByName('To X').AsInteger,
                    DM_ICM.t_Arcs.FieldByName('To Y').AsInteger]);


Strands  := DM_ICM.t_Arcs.FieldByName('Demand').AsInteger +
        DM_ICM.t_Arcs.FieldByName('IOF').AsInteger +
        DM_ICM.t_Arcs.FieldByName('HRF').AsInteger;
IOF_Stnd := DM_ICM.t_Arcs.FieldByName('IOF').AsInteger;
HRF_Stnd := DM_ICM.t_Arcs.FieldByName('HRF').AsInteger;

// Aerial Cable
Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
          DM_ICM.t_Arcs.FieldByName('PerAerial').AsFloat);
if Length > 0
  then begin
       Distance:=Length/5280;
       CInv := Place_FI_Aerial(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                               DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                          Length, Strands, Demand, UFill);
       SInv := Poles (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Y').AsInteger, Length);

       // Inter-Office sharing with feeder (if any)
       IOF_CInv := CInv * (IOF_Stnd / Strands);
       IOF_SInv := SInv * (IOF_Stnd / Strands);
       HRF_CInv := CInv * (HRF_Stnd / Strands);
       HRF_SInv := SInv * (HRF_Stnd / Strands);
       CInv     := CInv - (IOF_CInv + HRF_CInv);
       SInv     := SInv - (IOF_SInv + HRF_SInv);

       OSP_Table.Write (CLLI, '242120', 'TFFAERFI', 'F', CInv, CInv, 0.0);
       OSP_Table.Write (CLLI, '242120', 'RFFAERFI', 'F', CInv * RF, CInv * RF, 0.0);
       OSP_Table.Write (CLLI, '242120', 'BFFAERFI', 'F', CInv * BF, CInv * BF, 0.0);
       OSP_Table.Write (CLLI, '241100', 'TFFPOLEFI','F', SInv, SInv, 0.0);
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OSP_Table.Write (CLLI, '241100', 'RFFPOLEFI','F', SInv * RF, SInv * RF, 0.0);
OSP_Table.Write (CLLI, '241100', 'BFFPOLEFI','F', SInv * BF, SInv * BF, 0.0);

if IOF_Stnd > 0
 then begin
      IOF_Table.Write (CLLI, '242120', 'IHAERFI', 'I', IOF_CInv, 0.0, IOF_CInv, True);
      IOF_Table.Write (CLLI, '241100', 'IHPOLES', 'I', IOF_SInv, 0.0, IOF_SInv, True);
      // output the distances
      IOF_Table.Write (CLLI, '000000', 'IHAERDIST', 'I',
                Distance, Distance, Distance, False);
      IOF_Table.Write (CLLI, '000000', 'IHLEN', 'I', Distance,
                Distance, Distance, False);
    end;

if HRF_Stnd > 0
 then begin
      HRF_CInv := HRF_CInv / (HRF_Stnd / 4.0);
      HRF_SInv := HRF_SInv / (HRF_Stnd / 4.0);
      if IsRemoteSwitch
       then begin
            IOF_Table.Write (CLLI, '242120', 'IRAERFI', 'I',
                      HRF_CInv, 0.0, HRF_CInv, False);
            IOF_Table.Write (CLLI, '241100', 'IRPOLES', 'I',
                      HRF_SInv, 0.0, HRF_SInv, False);
            // output the distances
            IOF_Table.Write (CLLI, '000000', 'IRAERDIST', 'I',
                      Distance, Distance, Distance, False);
            IOF_Table.Write (CLLI, '000000', 'IHRLEN', 'I',
                      Distance, Distance, Distance, False);
          end
       else begin
            DM_ICM.t_HRArcFile.First;
            while Not DM_ICM.t_HRArcFile.EOF do
             begin
               IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                         '242120', 'IRAERFI', 'I',HRF_CInv, 0.0, HRF_CInv,
                         False);
               IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                         '241100', 'IRPOLES', 'I', HRF_SInv, 0.0, HRF_SInv,
                          False);
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                    // output the distances
                    IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                            '000000', 'IRAERDIST', 'I',
                             Distance, Distance, Distance, False);
                    IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                            '000000', 'IHRLEN', 'I',
                             Distance, Distance, Distance, False);
                    DM_ICM.t_HRArcFile.Next;
                  end;
                end;
            end;
        end;

// Buried Cable
Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
          DM_ICM.t_Arcs.FieldByName('PerBuried').AsFloat);
if Length > 0
 then begin
      Distance:=Length/5280;
      CInv := Place_FI_Buried(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                              DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                      Length, Strands, Demand, UFill);
      SInv := Trench (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                      DM_ICM.t_Arcs.FieldByName('Y').AsInteger, Length);

      // Inter-Office sharing with feeder (if any)
      IOF_CInv := CInv * (IOF_Stnd / Strands);
      IOF_SInv := SInv * (IOF_Stnd / Strands);
      HRF_CInv := CInv * (HRF_Stnd / Strands);
      HRF_SInv := SInv * (HRF_Stnd / Strands);
      CInv     := CInv - (IOF_CInv + HRF_CInv);
      SInv     := SInv - (IOF_SInv + HRF_SInv);

      OSP_Table.Write (CLLI, '242320', 'TFFBURFI', 'F', (CInv+SInv), CInv, SInv);
      OSP_Table.Write (CLLI, '242320', 'RFFBURFI', 'F', (CInv+SInv)*RF, CInv*RF, SInv*RF);
      OSP_Table.Write (CLLI, '242320', 'BFFBURFI', 'F', (CInv+SInv)*BF, CInv*BF, SInv*BF);

      if IOF_Stnd > 0
       then begin
            IOF_Table.Write (CLLI, '242320', 'IHBURFI', 'I',
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                (IOF_CInv+IOF_SInv), 0.0, (IOF_CInv+IOF_SInv), True);
            // output the distances
            IOF_Table.Write (CLLI, '000000', 'IHBURDIST', 'I',
                Distance, Distance, Distance, False);
            IOF_Table.Write (CLLI, '000000', 'IHLEN', 'I',
                Distance, Distance, Distance, False);
        end;

    if HRF_Stnd > 0
     then begin
        HRF_CInv := HRF_CInv / (HRF_Stnd / 4.0);
        HRF_SInv := HRF_SInv / (HRF_Stnd / 4.0);
        if IsRemoteSwitch
         then begin
            IOF_Table.Write (CLLI, '242120', 'IRBURFI', 'I',
                    (HRF_CInv+HRF_SInv), 0.0, (HRF_CInv+HRF_SInv), False);
            // output the distances
            IOF_Table.Write (CLLI, '000000', 'IRBURDIST', 'I',
                    Distance, Distance, Distance, False);
            IOF_Table.Write (CLLI, '000000', 'IHRLEN', 'I',
                    Distance, Distance, Distance, False);
           end
         else begin
            DM_ICM.t_HRArcFile.First;
            while Not DM_ICM.t_HRArcFile.EOF do
             begin
              IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                    '242120', 'IRBURFI', 'I', (HRF_CInv+HRF_SInv),
                    0.0, (HRF_CInv+HRF_SInv), False);
              // output the distances
              IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                    '000000', 'IRBURDIST', 'I',
                    Distance, Distance, Distance, False);
              IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                    '000000', 'IHRLEN', 'I',
                    Distance, Distance, Distance, False);
              DM_ICM.t_HRArcFile.Next;
             end;
           end;
        end;
```

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```
    end;

//Underground Cable
Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
          DM_ICM.t_Arcs.FieldByName('PerUndGnd').AsFloat);
if Length > 0
 then begin
     Distance:=Length/5280;
     CInv := Place_FI_UndGnd(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                             DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                        Length, Strands, Demand, UFill);
     Num_Of_Ducts := Ceil(Cable_Cnt / 3.0);
     SInv := Conduit (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Demand').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Bus Lines').AsInteger, Length, 'AVG');
     VS   := Conduit (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Demand').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Bus Lines').AsInteger, Length, 'VS');

     // Inter-Office sharing with feeder (if any)
     IOF_CInv := CInv * (IOF_Stnd / Strands);
     IOF_SInv := SInv * (IOF_Stnd / Strands);
     IOF_VS   := VS   * (IOF_Stnd / Strands);
     HRF_CInv := CInv * (HRF_Stnd / Strands);
     HRF_SInv := SInv * (HRF_Stnd / Strands);
     HRF_VS   := VS   * (HRF_Stnd / Strands);
     CInv     := CInv - (IOF_CInv + HRF_CInv);
     SInv     := SInv - (IOF_SInv + HRF_SInv);
     VS       := VS   - (IOF_VS   + HRF_VS);

     OSP_Table.Write (CLLI, '242220',  'TFFUNDFI', 'F', CInv, CInv, 0.0);
     OSP_Table.Write (CLLI, '242220',  'RFFUNDFI', 'F', CInv * RF, CInv * RF, 0.0);
     OSP_Table.Write (CLLI, '242220',  'BFFUNDFI', 'F', CInv * BF, CInv * BF, 0.0);
     OSP_Table.Write (CLLI, '244100',  'TFFCOND',  'F', SInv, VS, (SInv - VS));
     OSP_Table.Write (CLLI, '244100',  'RFFCOND',  'F', SInv * RF, VS * RF,(SInv-VS) * RF);
     OSP_Table.Write (CLLI, '244100',  'BFFCOND',  'F', SInv * BF, VS * BF,(SInv-VS) * BF);

     if IOF_Stnd > 0
```

```
    then begin
        IOF_Table.Write (CLLI, '242220', 'IHUNDFI', 'I',
                IOF_CInv, 0.0, IOF_CInv, True);
        IOF_Table.Write (CLLI, '244100', 'IHCOND',  'I',
                IOF_SInv, 0.0, IOF_SInv, True);
        // output the distances
        IOF_Table.Write (CLLI, '000000', 'IHUNGDIST', 'I',
                Distance, Distance, Distance, False);
        IOF_Table.Write (CLLI, '000000', 'IHLEN', 'I',
                Distance, Distance, Distance, False);
      end;

  if HRF_Stnd > 0
    then begin
        HRF_CInv := HRF_CInv / (HRF_Stnd / 4.0);
        HRF_SInv := HRF_SInv / (HRF_Stnd / 4.0);
        HRF_VS   := HRF_VS / (HRF_Stnd / 4.0);
        if IsRemoteSwitch
          then begin
            IOF_Table.Write (CLLI, '242220', 'IRUNDFI', 'I',
                    HRF_CInv, 0.0, HRF_CInv, False);
            IOF_Table.Write (CLLI, '244100', 'IRCOND',  'I',
                    HRF_SInv, 0.0, HRF_SInv, False);
            // output the distances
            IOF_Table.Write (CLLI, '000000', 'IRUNGDIST', 'I',
                    Distance, Distance, Distance, False);
            IOF_Table.Write (CLLI, '000000', 'IHRLEN', 'I',
                    Distance, Distance, Distance, False);
          end
          else begin
            DM_ICM.t_HRArcFile.First;
            while Not DM_ICM.t_HRArcFile.EOF do
              begin
                IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                    '242220', 'IRUNDFI', 'I', HRF_CInv, 0.0, HRF_CInv, False);
                IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                    '244100', 'IRCOND',  'I', HRF_SInv, 0.0, HRF_SInv, False);
                // output the distances
                IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                    '000000', 'IRUNGDIST', 'I', Distance, Distance, Distance, False);
```

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```
                        IOF_Table.Write (DM_ICM.t_HRArcFile.FieldByName('RCLLI').AsString,
                              '000000', 'IHRLEN', 'I', Distance, Distance, Distance, False);
                        DM_ICM.t_HRArcFile.Next;
                       end;
                     end;
                  end;
              end;

      FPrFtU := FPrFtU + Pair_Ft_Utl;  // Distribution pair feet utilize
      FPrFtC := FPrFtC + Pair_Ft_Cap;  // Distribution pair feet capacity
    end; //end of fiber cables

  0 : begin  //IOF
      FiberCable := True;
      if Asmp.HML = 'L'
       then Canplow := True
       else Canplow := False;


      Strands  := DM_ICM.t_Arcs.FieldByName('IOF').AsInteger +
            DM_ICM.t_Arcs.FieldByName('HRF').AsInteger;
      IOF_Stnd := DM_ICM.t_Arcs.FieldByName('IOF').AsInteger;

      // Aerial Cable
      Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
              DM_ICM.t_Arcs.FieldByName('PerAerial').AsFloat);
      if Length > 0
       then begin
            Distance:=Length/5280;
            CInv := Place_FI_Aerial(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                                    DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                              Length, Strands, Demand, UFill);
            SInv := Poles (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                           DM_ICM.t_Arcs.FieldByName('Y').AsInteger, Length);

            if IOF_Stnd > 0
             then begin
                IOF_Table.Write (CLLI, '242120', 'IHAERFI', 'I', CInv, 0.0, CInv, True);
                IOF_Table.Write (CLLI, '241100', 'IHPOLES', 'I', SInv, 0.0, SInv, True);
                // output the distances
```

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```
                IOF_Table.Write (CLLI, '000000', 'IHAERDIST', 'I',
                  Distance, Distance, Distance, False);
                IOF_Table.Write (CLLI, '000000', 'IHLEN', 'I',
                  Distance, Distance, Distance, False);
               end
             else begin
                IOF_Table.Write (CLLI, '242120', 'IRAERFI', 'I', CInv, 0.0, CInv, False);
                IOF_Table.Write (CLLI, '241100', 'IRPOLES', 'I', SInv, 0.0, SInv, False);
                // output the distances
                IOF_Table.Write (CLLI, '000000','IRAERDIST', 'I',
                  Distance, Distance, Distance, False);
                IOF_Table.Write (CLLI, '000000','IHRLEN', 'I',
                  Distance, Distance, Distance, False);
               end;
          end;

        // Buried Cable
        Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
                  DM_ICM.t_Arcs.FieldByName('PerBuried').AsFloat);
        if Length > 0
         then begin
              Distance:=Length/5280;
              CInv := Place_FI_Buried(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                                      DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                                Length, Strands, Demand, UFill);
              SInv := Trench (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                                DM_ICM.t_Arcs.FieldByName('Y').AsInteger, Length);

              if IOF_Stnd > 0
               then begin
                    IOF_Table.Write (CLLI, '242320', 'IHBURFI','I',
                              (CInv +SInv), 0.0, (CInv +SInv), True);
                    // output the distances
                    IOF_Table.Write (CLLI, '000000', 'IHBURDIST','I',
                      Distance, Distance, Distance, False);
                    IOF_Table.Write (CLLI, '000000', 'IHLEN','I',
                      Distance, Distance, Distance, False);
                   end
               else begin
                    IOF_Table.Write (CLLI, '242320', 'IRBURFI','I',
```

```
                    (CInv +SInv), 0.0, (CInv +SInv), False);
                // output the distances
                IOF_Table.Write (CLLI, '000000', 'IRBURDIST','I',
                  Distance, Distance, Distance, False);
                IOF_Table.Write (CLLI, '000000', 'IHRLEN','I',
                  Distance, Distance, Distance, False);
              end;
        end;

//Underground Cable
Length := Round(DM_ICM.t_Arcs.FieldByName('Length').AsFloat *
          DM_ICM.t_Arcs.FieldByName('PerUndGnd').AsFloat);
if Length > 0
 then begin
      Distance:=Length/5280;
      CInv := Place_Ft_UndGnd(Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                              DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                        Length, Strands, Demand, UFill);
      Num_Of_Ducts := Ceil(Cable_Cnt / 3.0);
      SInv := Conduit (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Demand').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Bus Lines').AsInteger, Length, 'AVG');
      VS   := Conduit (Clli, AT, DM_ICM.t_Arcs.FieldByName('X').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Y').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Demand').AsInteger,
                        DM_ICM.t_Arcs.FieldByName('Bus Lines').AsInteger, Length, 'VS');

      if IOF_Stnd > 0
       then begin
            IOF_Table.Write (CLLI, '242220', 'IHUNDFI', 'I', CInv, 0.0, CInv, True);
            IOF_Table.Write (CLLI, '244100', 'IHCOND',  'I', SInv, 0.0, SInv, True);
            // output the distances
            IOF_Table.Write (CLLI, '000000', 'IHUNGDIST', 'I',
              Distance, Distance, Distance, False);
            IOF_Table.Write (CLLI, '000000', 'IHLEN', 'I',
              Distance, Distance, Distance, False);
           end
       else begin
            IOF_Table.Write (CLLI, '242220', 'IRUNDFI', 'I', CInv, 0.0, CInv, False);
```

```
                    IOF_Table.Write (CLLI, '244100', 'IRCOND',  'I', SInv, 0.0, SInv, False);
                    // output the distances
                    IOF_Table.Write (CLLI, '000000', 'IRUNGDIST', 'I',
                      Distance, Distance, Distance, False);
                    IOF_Table.Write (CLLI, '000000', 'IHRLEN', 'I',
                      Distance, Distance, Distance, False);
                  end;
              end;
          end;  //end of IOF
        end; // end case of AT

        DM_ICM.t_Arcs.Next;
      end;

    // Calculate and save cable utilization for distribution and feeder
    DM_ICM.t_Nodes.Edit;
    if DPrFtC > 0
      then DM_ICM.t_Nodes.FieldByName('DU').AsFloat := DPrFtU / DPrFtC
      else DM_ICM.t_Nodes.FieldByName('DU').AsFloat := 0.0;
    if FPrFtC > 0
      then DM_ICM.t_Nodes.FieldByName('FU').AsFloat := FPrFtU / FPrFtC
      else DM_ICM.t_Nodes.FieldByName('FU').AsFloat := 0.0;
    DM_ICM.t_Nodes.Post;

    DM_ICM.t_Nodes.Next;
  end;

  DM_ICM.t_HRArcFile.Close;
end;
```

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CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed by ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of trench investments that are performed by the "Trench" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires buried cable, it calls the buried cable sub-routine to determine the cable investment and then calls the trenching sub-routine that calculates the investment for the trench for that buried cable. The trenching investment can be based on either plowing or trenching depending on the user's input, density, and depth of bed rock in the area. The shared trench for distribution can be plowed or trenched because random separation of cables is allowed in distribution. Random separation is not allowed in the feeder, therefore shared trench must be trenched to provide the 12" separation between cables that can not be obtained by plowing. The perferred depth for placing buried fiber cable is 48". At depths less than 48", the fiber cable is placed in sub-duct for added protection.

To demonstrate most of the investment calculations performed in OSPInvest will require several sections. Each section will demonstrate the calculations performed by one of the sub-routines. Several ARCs may be required to demonstrate the different options in the sub-routine. Due to the numerous columns of data in the ARC file, only the columns required to demonstrate the calculation performed in each sub-routine will be shown.

SAMPLE CODE	ARC TYPE	LENGTH	DEMAND	RES LINES	BUS LINES	PERCENT BURIED	BEDROCK	WATER TABLE	CANPLOW	STRUCTURE	OSPType
A	4	850	1	1	0	1	60	17	1	0	D
B	4	1663	6	3	3	1	60	11	1	0	D
C	4	250	5	4	1	1	60	16	0	1	D
D	4	1927	2	2	0	1	60	16	0	1	D
E	3	550	32	27	5	0.43	60	23	1	0	F
F	3	1278	9	8	1	1	60	23	1	0	F
G	3	456	25	21	4	0.25	60	16	0	1	F
H	3	1283	11	11	0	1	60	17	0	1	F
I	1	549	4	67	3	0.13	59	24	1	0	F
J	1	5932	4	19	6	1	57	21	1	0	F
K	1	713	4	221	61	0.23	60	25	0	1	F
L	1	7789	8	543	71	1	60	22	0	1	F

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CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

Listed below is the labor, material and user option data required for trenching.

USER OPTION DATA

ITEM	VALUE
Buried Feeder Percent Sharing	0
Buried Distribution Percent Sharing	0
Percent Hand Dig	0.29
Percent Concrete	0.02
Users sharing trench	1
Percent Bored	0.14
Percent of no distribution trenching	0

LABOR RATES

ITEM	VALUE
LP43C: Place Fiber Cable in Conduit	0.67
LP51A: Plow Cable < 1000' - 30" Depth	0.98
LP51B: Plow Cable > 1000' - 30" Depth	0.84
LP51C: Plow Cable - Additional 6"	0.25
LP52A: Pre-ripping	0.25
LP54A: Trench < 1000' - 30" depth	2.04
LP54B: Trench > 1000' - 30" depth	1.95
LP54C: Trenching - Additional 6"	0.31
LP57A: Hand Dig Trench	3.39
LP59A: Bore/Pull Cable (up to 4")	8.72
LP70B: Rock Saw	8.72
LP70C: Plow Additional Cable	0.59
LP93C: Cut and Remove Concrete	2.69
LP93D: Place Concrete	4.16

MATERIAL COSTS

ITEM	VALUE
Concrete	2.22
Subduct	0

NOTE * Some of the minor material items have a $0.00 value (if the last column in material file = "TRUE")

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CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

// Starting at line 54 of the OSPInvest.pas

```
function Trench(Clli : String; ArcType, Xpos, Ypos : integer;
                Length : Double) : Double;

{ The Trenching routine does the trenching for buried feeder distribution and
  interoffice. It does not do the trenching for conduit systems.  It does both
  plowing and trenching.

    Labor Activity Codes:  (used in Trenching investment calculation)
    LP43C:    Place Fiber Cable in Conduit
    LP51A:    Plow Cable - Short Distance (Up to 1000' - 30" Depth)
    LP51B:    Plow Cable - Long Distance (Greater than 1000' - 30" Depth)
    LP51C:    Plow Cable - Additional Depth (Each additional 6" increment)
    LP52A:    Pre-ripping
    LP54A:    Trench - Short Distance (up to 1000' - 30" depth)
    LP54B:    Trench - Long Distance (greater than 1000' - 30" depth)
    LP54C:    Trenching - Additional Depth (each additional 6" depth increment)
    LP57A:    Hand Dig Trench
    LP59A:    Bore/Pull Cable (up to 4")
    LP70B:    Rock Saw
    LP70C:    Plow Additional Cable/Split Duct
    LP93C:    Cut and Remove Concrete (0 to 100 square feet)
    LP93D:    Place Concrete (0 to 100 square feet)
}

Var
  Trench_inv : Double;      // value that is returned - total cost of trenching
  Per_HD     : Double;      // percent hand dig
  Per_Con    : Double;      // percent concrete
  Per_Bor    : Double;      // percent boring
  Size       : Integer;     // the depth of plowing/trenching required (inches)
```

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CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
begin
 Case ArcType of                    // This section sets the % buried sharing for each ARCType and OSPType
   0 : begin
        OSPType := 'I';
        Sharing_Buried := Asmp.Sharing_F_Buried;          // Sharing % for buried feeder is 0%
       end;
   1 : begin
        OSPType := 'F';
        Sharing_Buried := Asmp.Sharing_F_Buried;          // Sharing % for buried feeder is 0%
       end;
 2,3 : begin
        if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'
         then begin
              OSPType := 'D';
              Sharing_Buried := Asmp.Sharing_D_Buried;          // Sharing % for buried distribution is 0%
             end
         else begin
              OSPType := 'F';
              Sharing_Buried := Asmp.Sharing_F_Buried;          // Sharing % for buried feeder is 0%
             end;
       end;
   4 : begin
        OSPType := 'D';
        Sharing_Buried := Asmp.Sharing_D_Buried;          // Sharing % for buried distribution is 0%
       end
 end;
```

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CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
{test to see if there is buried cable length for this placement}
if Length < 1 then begin
  Result := 0;
  exit;   // if not, then exit
end;

{ Structure_Flag is assigned one of three values: 0, 1, 2.  The assignment can
 either be done from the Feeder routine or from the templates. A value of 0 in
 the feeder routine corresponds to a density of less than 50 lines per square mile.
 A value of 1 corresponds to all other densities.  A value of 2 is assigned in the
 templates. This corresponds to the user defined high density of business lines.}
 // Case statement change per Roger White
Case Asmp.Structure_Flag  of
  0: begin              // desity < 50 lines per square mile
       Per_HD  := 0.0;
       Per_Con := 0.0;
       Per_Bor := 0.0;
     end;
  1: begin              // user input values where density > 50 lines per sq mile
       Per_HD  := Asmp.Percent_Hand;       // Percent Hand Dig is defined under General User Options for Outside Plant
       Per_Con := Asmp.Percent_Concrete;   // Percent Concrete is defined under General User Options for Outside Plant
       Per_Bor := Asmp.Percent_Bore;       // Percent Bore is defined under General User Options for Outside Plant
     end;
  2: begin              // applied when # business units > limit set in grid
       Per_HD  := Asmp.Percent_Hand;       // Percent Hand Dig is defined under General User Options for Outside Plant
       Per_Con := 0.80;  // Percent Concrete for high density urban areas is defined in the template.
       Per_Bor := 0.0;
     end;
end;
```

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CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

{ This section calculates the plowing and trenching investments for buried distribution cables. Random separation is assumed in all distribution plowing and trenching - the cables do not have to be separated by a fix distance such as 12" because the power cables are assumed to be carrying lower voltage.

ProcessID is used to track what section of program is calling the trenching routine. A value of 1 indicates distribution, 2 indicates feeder, and 5 indicates interoffice. This allows the program to differentiate between the types of trenching. In the case of distribution only copper cable need to be considered. In the case of interoffice facilities only fiber cable need to be considered. While the case of feeder, both copper and fiber cable need to be addressed.

// This note needs to be revised

Calculation for the trench investment is generally as follows (per foot):
//Rate(s) used by routine is an average of the rate(s) found in the placement
//file plus the shared rate(s).
//Shared rate(s) is the placement file rate(s) divided by the number of users.
//The weights used to calculate the average are based on the user input percent
//sharing of buried cable.
//If multiple rates are used the expression is compressed using the following
//relationship:
//
// uncompressed: A * (1 - %shared) + (A/users) * %shared
//
// compressed: A * (1 - %shared + (%shared/users))
//
// where A = sum of rates or individual rate
}

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CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
Case ArcType of
2..4 : begin  // Copper cables
     if (ArcType = 4) or (OSPType = 'D')
      then begin                                   // Sample A is used to demonstrate plowed distribution cable < 1000'
          if (BedRock > 29) and (Asmp.TrenchUsers <=2) and CanPlow
           {Depth of bedrock is at least 30" and TrenchUsers are 2 or less
           and plowing is allowed.}
           then begin    // using uncompressed calculation described above
               if Length < 1000
               then Trench_inv := ( f_OSPLabor.Labor('LP51A', Tier_Flag) * (1.0 - Sharing_Buried) +
                        f_OSPLabor.Labor('LP51A', Tier_Flag) * Sharing_Buried/ Asmp.TrenchUsers +
                        f_OSPLabor.Labor('LP70C', Tier_Flag) * Sharing_Buried/ Asmp.TrenchUsers ) *
                        Length
CALC.      Trench_Inv = ( 0.98 * ( 1.0 - 0.0 ) + 0.98 * 0.0 / 1 + 0.59 * 0.0 / 1 ) * 850 = 0.98 * 850  =  833.00
           // Since there is 0% sharing for buried distribution cables, all the sharing calculations zero out

                                                   // Sample B is used to demonstrate plowed distribution cable > 1000'
               else Trench_inv := ( f_OSPLabor.Labor('LP51B', Tier_Flag) * (1.0 - Sharing_Buried) +
                        f_OSPLabor.Labor('LP51B', Tier_Flag) * Sharing_Buried/ Asmp.TrenchUsers +
                        f_OSPLabor.Labor('LP70C', Tier_Flag) * Sharing_Buried/ Asmp.TrenchUsers ) *
                        Length;
CALC.      Trench_Inv = ( 0.84 * ( 1.0 - 0.0 ) + 0.84 * 0.0 / 1 + 0.59 * 0.0 / 1 ) * 1663 = 0.84 * 1663  =  1396.92
           // Since there is 0% sharing for buried distribution cables, all the sharing calculations zero out
               Size  := -30;   // depth of plowing required
           end   // END plowing allowed
```

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CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
        else begin
            {Plowing not allowed; trenching investment based on
            trenching with random separation in the distribution. Using
            compressed calculation (with multiple rates) described above}
            Length := Length * (1.0-Asmp.Percent_Trench);          // The free trench is 0%
CALC.   Length = 250 * ( 1.0 - 0.0 ) = 250
            if BedRock > 29  //Depth of bedrock is at least 30"    // Sample C is used to demonstrate
             then if Length < 1000                                  trenched distribution cable < 1000'
                then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) *
                                        (1.0-Per_HD-Per_Bor) +
                                   f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                                   f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                                   (f_OSPLabor.Labor('LP93C', Tier_Flag)+
                                   f_OSPMaterial.Mat('CONCRETE',1) +
                                   f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                                   Length * (1.0 - Sharing_Buried + Sharing_Buried /
                                        Asmp.TrenchUsers)
CALC.   Trench_Inv = ( 2.04 * ( 1.0 - 0.29 - 0.14 ) + 3.39 * 0.29 + 8.72 * 0.14 + ( 2.69 + 2.22 + 4.16 ) * 0.02 ) * 250 * ( 1.0 - 0.0 + 0.0 / 1)
          = ( 1.1628 + 0.9831 + 1.2208 + 0.1814 ) * 250 * 1  =  3.5481 * 250  =  887.03

                                        // Sample D is used to demonstrate trenched distribution cable > 1000'
                else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) *
                                        (1.0 - Per_HD - Per_Bor) +
                                   f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                                   f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                                   (f_OSPLabor.Labor('LP93C', Tier_Flag)+
                                   f_OSPMaterial.Mat('CONCRETE',1) +
                                   f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                                   Length * (1.0 - Sharing_Buried + Sharing_Buried /
                                        Asmp.TrenchUsers);
CALC.   Trench_Inv = ( 2.04 * ( 1.0 - 0.29 - 0.14 ) + 3.39 * 0.29 + 8.72 * 0.14 + ( 2.69 + 2.22 + 4.16 ) * 0.02 ) * 1927 * ( 1.0 - 0.0 + 0.0 / 1)
          = ( 1.1115 + 0.9831 + 1.2208 + 0.1814 ) * 1927 * 1  =  3.4968 * 1927  =  6738.33
```

16 26

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
if BedRock < 30   //Depth of bedrock is not at least 30"
 then if Length < 1000                                    // Assume sample C has bedrock = 25"
     then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) *
                          (1.0 - Per_HD - Per_Bor) +
                         f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                         f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                        (f_OSPLabor.Labor('LP93C', Tier_Flag)+
                         f_OSPMaterial.Mat('CONCRETE',1) +
                         f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con +
                         f_OSPLabor.Labor('LP70B', Tier_Flag) ) *
                        Length * (1.0 - Sharing_Buried + Sharing_Buried /
                             Asmp.TrenchUsers)
```

CALC. Trench_Inv = (2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02 + 8.39) * 250 * (1.0 - 0.0 + 0.0 / 1)
= (1.1628 + 0.9831 + 1.2208 + 0.1814 + 8.72) * 250 * 1 = 12.2681 * 250 = 3067.03

```
                                                          // Assume sample D has bedrock = 25"
    else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) *
                          (1.0 - Per_HD - Per_Bor) +
                         f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                         f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                        (f_OSPLabor.Labor('LP93C', Tier_Flag)+
                         f_OSPMaterial.Mat('CONCRETE',1) +
                         f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con +
                         f_OSPLabor.Labor('LP70B', Tier_Flag) ) *
                        Length * (1.0 - Sharing_Buried + Sharing_Buried /
                             Asmp.TrenchUsers);
```

CALC. Trench_Inv = (2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02 + 8.72) * 1927* (1.0 - 0.0 + 0.0 / 1)
= (1.1115 + 0.9831 + 1.2208 + 0.1814 + 8.72) * 1927 * 1 = 12.2168 * 1927 = 23541.77

```
      Size  := 30;       // depth of trench required
    end;   // END plowing not allowed
end; //(ArcType = 4) or (OSPType = 'D')
```

16 2

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
if OSPType = 'F'                          // Sample E is used to demonstrate plowed copper feeder cable < 1000'
 then begin                               // Sample F is used to demonstrate plowed copper feeder cable > 1000'
    if (BedRock > 29) and CanPlow
     then begin    // bedrock at least 30" deep
        if Length < 1000
         then Trench_inv := f_OSPLabor.Labor('LP51A', Tier_Flag) * Length
CALC.   Trench_Inv = 0.98 * 550  =  539.00
        else Trench_inv := f_OSPLabor.Labor('LP51B', Tier_Flag) * Length;
CALC.   Trench_Inv = 0.84 * 1278  =  1073.52
        Size  := -30;  // depth of plowing required in inches
       end   // END > 30"
     else begin
        {This section trenches copper cable at 30" deep.  The bedrock
        must be at least 42" deep because of the extra 12" of depth
        required to maintain 12" separation from the power cable in shared
        trenches.  Using uncompressed investment calculation (with multiple
        rates) described above.}
        if BedRock > 42
         then begin     // bedrock >42" but <60"
          if Length < 1000                // Sample G is used to demonstrate trenched copper feeder cable < 1000'
           then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) *
                                (1.0 - Per_HD - Per_Bor) +
                               f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                               f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                              (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                               f_OSPMaterial.Mat('CONCRETE',1) +
                               f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                               Length * (1.0-Sharing_Buried) +
                              ( f_OSPLabor.Labor('LP54A', Tier_Flag) *
                                      (1.0 - Per_HD - Per_Bor) +
                               f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                               f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                               f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                              (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                               f_OSPMaterial.Mat('CONCRETE',1) +
                               f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                               Asmp.TrenchUsers * Length * Sharing_Buried
```

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. Trench_Inv = [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 456 * (1.0 - 0.0) +
[2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 * 0.14 + 0.31 * 2 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 456 * 0.0 =
[1.1628 + 0.9831 + 1.2208 + 0.1814] * 456 * 1 + 0 = 3.5481 * 456 * 1 = 1617.93

16 25

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) *
                        (1.0 - Per_HD - Per_Bor) +
                    f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                    f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                   (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                    f_OSPMaterial.Mat('CONCRETE',1) +
                    f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) *
                    Length * (1.0-Sharing_Buried) +
                   ( f_OSPLabor.Labor('LP54B', Tier_Flag) *
                        (1.0 - Per_HD - Per_Bor) +
                    f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                    f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                    f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                   (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                    f_OSPMaterial.Mat('CONCRETE',1) +
                    f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) /
                    Asmp.TrenchUsers * Length * Sharing_Buried;
```

// Sample H will demonstrate trenched copper feeder cable > 1000'

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. **Trench_Inv = [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 1283 * (1.0 - 0.0) + [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 * 0.14 + 0.31 * 2 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 1283 * 0.0 = [1.1115 + 0.9831 + 1.2208 + 0.1814] * 1283 * 1 + 0 = 3.4968 * 1283 * 1 = 4486.39**

```
    Size  := 42;   // depth trench required in inches
end       // END 42" > < 60"
```

16 20

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else begin  // (1) bedrock <42"
{Copper cable is trenched at 30" deep if the bedrock is at least
30" deep.  If the bedrock is not 42" deep for the extra 12" of
separation required from the power cable, rock sawing is added to
the shared portion of the trench.  Using uncompressed investment
calculation (with multiple rates) described above.}
if BedRock > 29
 then begin    // bedrock >30" but <42"
  if Length < 1000          // Sample G is used to demonstrate trenched copper feeder cable < 1000'
   then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) *
                              (1.0 - Per_HD - Per_Bor) +
                        f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                        f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                       (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                        f_OSPMaterial.Mat('CONCRETE',1) +
                        f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                        Length * (1.0-Sharing_Buried) +
                       ( f_OSPLabor.Labor('LP54A', Tier_Flag) *
                              (1.0 - Per_HD - Per_Bor) +
                        f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                        f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                        f_OSPLabor.Labor('LP70B', Tier_Flag) +
                        f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                       (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                        f_OSPMaterial.Mat('CONCRETE',1) +
                        f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                        Asmp.TrenchUsers * Length * Sharing_Buried
```

// Assume that samples G and H have bedrock at 36"

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. Trench_Inv = [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 456 * (1.0 - 0.0) + [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 + 8.72 * 0.14 + 0.31 * 2 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 456 * 0.0 = [1.1628 + 0.9831 + 1.2208 + 0.1814] * 456 * 1 + 0 = 3.5481 * 456 * 1 = 1617.93

16 30

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) *
                        (1.0 - Per_HD - Per_Bor) +
                     f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                     f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                    (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                     f_OSPMaterial.Mat('CONCRETE',1) +
                     f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                     Length * (1.0-Sharing_Buried) +
                    ( f_OSPLabor.Labor('LP54B', Tier_Flag) *
                        (1.0 - Per_HD - Per_Bor) +
                     f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                     f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                     f_OSPLabor.Labor('LP70B', Tier_Flag) +
                     f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                    (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                     f_OSPMaterial.Mat('CONCRETE',1) +
                     f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                     Asmp.TrenchUsers * Length * Sharing_Buried;
```

// Sample H will demonstrate trenched copper feeder cable > 1000'

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. **Trench_Inv = [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 1283 * (1.0 - 0.0) + [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 + 8.72 * 0.14 + 0.31 * 2 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 1283 * 0.0 = [1.1115 + 0.9831 + 1.2208 + 0.1814] * 1283 * 1 + 0 = 3.4968 * 1283 * 1 = 4486.39**

```
    Size  := 42;   // depth trench required in inches
end   // END >30" but <42"
```

16 31

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else begin    // (2) bedrock <42"
    {Copper cable is trenched at 30" deep.  If the bedrock is not at                    // Assume that samples G and
    least 30" deep, rock sawing is added to BOTH the non-shared and                      H have bedrock at 20"
    shared portions of the trench.  Using uncompressed investment
    calculation (with multiple rates) described above.}
    if BedRock < 30
     then begin    // bedrock <30"
     if Length < 1000          // Sample G is used to demonstrate trenched copper feeder cable < 1000'
      then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) *
                           (1.0 - Per_HD - Per_Bor) +
                          f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                          f_OSPLabor.Labor('LP70B', Tier_Flag) +
                          f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                         (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                          f_OSPMaterial.Mat('CONCRETE',1) +
                          f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) *
                          Length * (1.0-Sharing_Buried) +
                         ( f_OSPLabor.Labor('LP54A', Tier_Flag) *                                |
                                 (1.0 - Per_HD - Per_Bor) +                                      |
                          f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +                       |
                          f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +                           | calculation for shared
                          f_OSPLabor.Labor('LP70B', Tier_Flag) +                                 | portion of the trench -
                          f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +                      | equates to zero when
                         (f_OSPLabor.Labor('LP93C', Tier_Flag) +                                 | there is 0% sharing
                          f_OSPMaterial.Mat('CONCRETE',1) +                                      |
                          f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /                     |
                          Asmp.TrenchUsers * Length * Sharing_Buried                             |
```

CALC. **Trench_Inv = [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 456 * (1.0 - 0.0) + [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 + 8.72 * 0.14 + 0.31 * 2 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 456 * 0.0 = [1.1628 + 0.9831 + 8.72 + 1.2208 + 0.1814] * 456 * 1 + 0 = 12.2681 * 456 * 1 = 5594.25**

16 32

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) *
                        (1.0 - Per_HD - Per_Bor) +
                     f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                     f_OSPLabor.Labor('LP70B', Tier_Flag) +
                     f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                    (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                     f_OSPMaterial.Mat('CONCRETE',1) +
                     f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) *
                     Length * (1.0-Sharing_Buried) +
                    ( f_OSPLabor.Labor('LP54B', Tier_Flag) *
                        (1.0 - Per_HD - Per_Bor) +
                     f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                     f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                     f_OSPLabor.Labor('LP70B', Tier_Flag) +
                     f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                    (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                     f_OSPMaterial.Mat('CONCRETE',1) +
                     f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                     Asmp.TrenchUsers * Length * Sharing_Buried;
```

// Sample H will demonstrate trenched copper feeder cable > 1000'

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. **Trench_Inv = [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 1283 * (1.0 - 0.0) + [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 8.72 + 8.72 * 0.14 + 0.31 * 2 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 1283 * 0.0 = [1.1115 + 0.9831 + 8.72 + 1.2208 + 0.1814] * 1283 * 1 + 0 = 12.2168 * 1283 * 1 = 15674.15**

```
                Size  := 30;   // depth trench required in inches
              end;       // END <30"
          end;    // END (2) <42"
        end;    // END (1) <42"
      end;
    end;

end;   // END Copper Cable
```

16 33

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
{ This section calculates the investments for plowing feeder and transport cables.
  Fiber cables are either plowed at 48" or at 30" in subduct for additional protection.}
0,1 : begin    // Fiber Cable
      if CanPlow
       then begin     // plowing is allowed when density < 50 lines per square mile
            if BedRock > 47
             then begin      // bedrock >= 48" deep
               if Length < 1000                    // Sample I is used to demonstrate plowed fiber feeder cable < 1000'
                then Trench_inv := ( f_OSPLabor.Labor('LP51A', Tier_Flag) +
                                     f_OSPLabor.Labor('LP51C', Tier_Flag) * 3.0 +
                                     f_OSPLabor.Labor('LP52A', Tier_Flag) * 0.10 ) * Length
CALC.       Trench_Inv = (0.98 + 0.25 * 3 + 0.25 * 0.10) * 549 =  1.755 * 549  =  963.50

                 else Trench_inv := ( f_OSPLabor.Labor('LP51B', Tier_Flag) +          // Sample J will demonstrate plowed
                                     f_OSPLabor.Labor('LP51C', Tier_Flag) * 3.0 +     fiber feeder cable > 1000'
                                     f_OSPLabor.Labor('LP52A', Tier_Flag) * 0.10 ) * Length;
CALC.       Trench_Inv = (0.84 + 0.25 * 3 + 0.25 * 0.10) * 5932 =  1.615 * 5932  =  9580.18

                  Size  := -48;   // depth of plowing required in inches
                 end   // END > 48"

               else if (BedRock < 49) and (BedRock > 29)                          // Assume that samples I and
                    then begin      // bedrock between 30" & 48" deep              J have bedrock at 36"
                        // fiber cable placed in the subduct for protection
                        if Length < 1000                 // Sample I is used to demonstrate plowed fiber feeder cable < 1000'
                         then Trench_inv := ( f_OSPLabor.Labor('LP51A', Tier_Flag) +
                                              f_OSPLabor.Labor('LP52A', Tier_Flag) * 0.10 +
                                              f_OSPLabor.Labor('LP43C', Tier_Flag) +
                                              f_OSPMaterial.Mat('SUBDUC', 1) ) * Length
CALC.               Trench_Inv = (0.98 + 0.25 * 0.10 + 0.67 + 0.00) * 549 =  1.675 * 549  =  919.58

                         else Trench_inv := ( f_OSPLabor.Labor('LP51B', Tier_Flag) +     // Sample J will demonstrate plowed
                                              f_OSPLabor.Labor('LP52A', Tier_Flag) * 0.10 +     fiber feeder cable > 1000'
                                              f_OSPLabor.Labor('LP43C', Tier_Flag) +
                                              f_OSPMaterial.Mat('SUBDUC', 1) ) * Length;
CALC.               Trench_Inv = (0.84 + 0.25 * 0.10 + 0.67 + 0.00) * 5932 =  1.535 * 5932  =  9105.62

                         Size  := -30;      // depth of plowing required in inches
                        end;  // END 30" > < 48"

            end    // END Can plow
```

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else begin   // Cannot plow when bedrock not at least 30" deep, must use trenching
   //This section trenches fiber cable at 48" deep.  The bedrock
   //must be at least 60" deep because of the extra 12" of depth
   //required to maintain 12" separation from the power cable in
   //shared trenches.  Using uncompressed investment calculation
   //(with multiple rates) described above.

   if BedRock > 59
    then begin   // bedrock at least 60" deep
    if Length < 1000                    // Sample K is used to demonstrate trenched fiber feeder cable < 1000'
     then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                  f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                  f_OSPLabor.Labor('LP54C', Tier_Flag) * 3.0 +
                  f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                 (f_OSPLabor.Labor('LP93C', Tier_Flag)+
                  f_OSPMaterial.Mat('CONCRETE',1) +
                  f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                  Length * (1.0-Sharing_Buried) +
                 ( f_OSPLabor.Labor('LP54A', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                  f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                  f_OSPLabor.Labor('LP54C', Tier_Flag) * 5.0 +
                  f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                 (f_OSPLabor.Labor('LP93C', Tier_Flag)+
                  f_OSPMaterial.Mat('CONCRETE',1) +
                  f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) /
                  Asmp.TrenchUsers * Length * Sharing_Buried
```

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. Trench_Inv = [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 3 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 713 * (1.0 - 0.0) +
[2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 5 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 713 * 0.0 =
[1.1628 + 0.9831 + 0.93 + 1.2208 + 0.1814] * 713 * 1 + 0 = 4.4781 * 713 * 1 = 3192.89

16 35

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                f_OSPLabor.Labor('LP54C', Tier_Flag) * 3.0 +
                f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
               (f_OSPLabor.Labor('LP93C', Tier_Flag)+
                f_OSPMaterial.Mat('CONCRETE',1) +
                f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                Length * (1.0-Sharing_Buried) +
               ( f_OSPLabor.Labor('LP54B', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                f_OSPLabor.Labor('LP54C', Tier_Flag) * 5.0 +
                f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
               (f_OSPLabor.Labor('LP93C', Tier_Flag)+
                f_OSPMaterial.Mat('CONCRETE',1) +
                f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) /
                Asmp.TrenchUsers * Length * Sharing_Buried;
```

// Sample L will demonstrate trenched fiber feeder cable > 1000'

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. Trench_Inv = [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 3 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 7789 * (1.0 - 0.0) +
[1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 5 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 7789 * 0.0 =
[1.1115 + 0.9831 + 0.93 + 1.2208 + 0.1814] * 7789 * 1 + 0 = 4.4268 * 7789 * 1 = 34480.35

```
Size  := 60;  // depth of trench required in inches
end   // END 60"
```

16 36

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else begin   // (1)bedrock <60" deep
{Fiber cable is trenched at 30" deep if the bedrock is not 60"
deep but is at least 42" deep for the extra 12" of separation
required from the power cable.  Subduct is placed at 30" in the
trench and the fiber placed in the subduct for protection.  Using
uncompressed investment calculation (with multiple rates) described
above.}
if BedRock > 42
 then begin   // bedrock >42" but <60" deep
 if Length < 1000                    // Sample K is used to demonstrate trenched fiber feeder cable < 1000'
  then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                       f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                       f_OSPLabor.Labor('LP43C', Tier_Flag) +
                       f_OSPMaterial.Mat('SUBDUC', 1)       +
                       f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                      (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                       f_OSPMaterial.Mat('CONCRETE',1) +
                       f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                       Length * (1.0-Sharing_Buried) +
                      ( f_OSPLabor.Labor('LP54A', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                       f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                       f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                       f_OSPLabor.Labor('LP43C', Tier_Flag) +
                       f_OSPMaterial.Mat('SUBDUC', 1)       +
                       f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                      (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                       f_OSPMaterial.Mat('CONCRETE',1) +
                       f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                       ASmp.TrenchUsers * Length * Sharing_Buried
```

// Assume that samples K and L have bedrock at 50"

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. **Trench_Inv = [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.67 + 0.00 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 713 * (1.0 - 0.0) +**
[2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 2 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 713 * 0.0 =
[1.1628 + 0.9831 + 0.67 + 1.2208 + 0.1814] * 713 * 1 + 0 = 4.2181 * 713 * 1 = 3007.51

16 31

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                f_OSPLabor.Labor('LP43C', Tier_Flag) +                    // Sample L will demonstrate trenched
                f_OSPMaterial.Mat('SUBDUC', 1)       +                    fiber feeder cable > 1000'
                f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
               (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                f_OSPMaterial.Mat('CONCRETE',1) +
                f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) *
                Length * (1.0-Sharing_Buried) +
               ( f_OSPLabor.Labor('LP54B', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                f_OSPLabor.Labor('LP43C', Tier_Flag) +                    calculation for shared
                f_OSPMaterial.Mat('SUBDUC', 1)       +                    portion of the trench -
                f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +         equates to zero when
               (f_OSPLabor.Labor('LP93C', Tier_Flag) +                    there is 0% sharing
                f_OSPMaterial.Mat('CONCRETE',1) +
                f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) /
                Asmp.TrenchUsers * Length * Sharing_Buried;
```

CALC. **Trench_Inv = [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.67 + 0 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 7789 * (1.0 - 0.0) +**
[1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 2 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 7789 * 0.0 =
[1.1115 + 0.9831 + 0.67 + 1.2208 + 0.1814] * 7789 * 1 + 0 = 4.1668 * 7789 * 1 = 32455.21

```
 Size  := 42;   // depth of trench required in inches
end            // END 42" > < 60"
```

16 38

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else begin    // (2)bedrock <60" deep
{Fiber cable is trenched at 30" deep if the bedrock is at least
30" deep. If the bedrock is not 42" deep for the extra 12" of                    // Assume that samples K and
separation required from the power cable, rock sawing is added.                    L have bedrock at 36"
The fiber is placed in the subduct for protection. Using
uncompressed investment calculation (with multiple rates)
described above.}
if BedRock > 29
 then begin    // bedrock >30" but <42"
 if Length < 1000                    // Sample K is used to demonstrate trenched fiber feeder cable < 1000'
  then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                       f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                       f_OSPLabor.Labor('LP43C', Tier_Flag) +
                       f_OSPMaterial.Mat('SUBDUC', 1)       +
                       f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                      (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                       f_OSPMaterial.Mat('CONCRETE',1) +
                       f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                       Length * (1.0-Sharing_Buried) +
                     ( f_OSPLabor.Labor('LP54A', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                       f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                       f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                       f_OSPLabor.Labor('LP70B', Tier_Flag) +
                       f_OSPLabor.Labor('LP43C', Tier_Flag) +
                       f_OSPMaterial.Mat('SUBDUC', 1)       +
                       f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                      (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                       f_OSPMaterial.Mat('CONCRETE',1) +
                       f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                       Asmp.TrenchUsers * Length * Sharing_Buried
```

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. Trench_Inv = [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.67 + 0.00 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 713 * (1.0 - 0.0) +
[2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 2 + 8.72 + 0.67 + 0 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 713 * 0.0 =
[1.1628 + 0.9831 + 0.67 + 1.2208 + 0.1814] * 713 * 1 + 0 = 4.2181 * 713 * 1 = 3007.51

16 39

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                     f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                     f_OSPLabor.Labor('LP43C', Tier_Flag) +                    // Sample L will demonstrate trenched
                     f_OSPMaterial.Mat('SUBDUC', 1)       +                    fiber feeder cable > 1000'
                     f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                    (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                     f_OSPMaterial.Mat('CONCRETE',1) +
                     f_OSPLabor.Labor('LP93D', Tier_Flag)) * Per_Con ) *
                     Length * (1.0-Sharing_Buried) +
                    ( f_OSPLabor.Labor('LP54B', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                     f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                     f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                     f_OSPLabor.Labor('LP70B', Tier_Flag) +                    calculation for shared
                     f_OSPLabor.Labor('LP43C', Tier_Flag) +                    portion of the trench -
                     f_OSPMaterial.Mat('SUBDUC', 1)       +                    equates to zero when
                     f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +         there is 0% sharing
                    (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                     f_OSPMaterial.Mat('CONCRETE',1) +
                     f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                     Asmp.TrenchUsers * Length * Sharing_Buried;
```

CALC. **Trench_Inv = [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.67 + 0 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 7789 * (1.0 - 0.0) + [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 2 + 8.72 + 0.67 + 0 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 7789 * 0.0 = [1.1115 + 0.9831 + 0.67 + 1.2208 + 0.1814] * 7789 * 1 + 0 = 4.1668 * 7789 * 1 = 32455.21**

```
 Size  := 42;    // depth of trench required in inches
end         // END >30" but <42"
```

16 40

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else begin       // (3)bedrock <60" deep
{Fiber cable is trenched at 30" deep. If the bedrock is not at
least 30" deep, rock sawing is added.  The fiber is placed in                    // Assume that samples K and
the subduct for protection.  Using uncompressed investment                        L have bedrock at 20"
calculation (with multiple rates) described above.}
if BedRock < 30
 then begin      // bedrock <30"
 if Length < 1000                        // Sample K is used to demonstrate trenched fiber feeder cable < 1000'
  then Trench_inv := ( f_OSPLabor.Labor('LP54A', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                       f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                       f_OSPLabor.Labor('LP43C', Tier_Flag) +
                       f_OSPLabor.Labor('LP70B', Tier_Flag) +
                       f_OSPMaterial.Mat('SUBDUC', 1)      +
                       f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                      (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                       f_OSPMaterial.Mat('CONCRETE',1) +
                       f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) *
                       Length * (1.0-Sharing_Buried) +
                      ( f_OSPLabor.Labor('LP54A', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                       f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                       f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                       f_OSPLabor.Labor('LP70B', Tier_Flag) +
                       f_OSPLabor.Labor('LP43C', Tier_Flag) +
                       f_OSPMaterial.Mat('SUBDUC', 1)      +
                       f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                      (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                       f_OSPMaterial.Mat('CONCRETE',1) +
                       f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                       Asmp.TrenchUsers * Length * Sharing_Buried
```

calculation for shared portion of the trench - equates to zero when there is 0% sharing

CALC. Trench_Inv = [2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.67 + 8.72 + 0.00 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 713 * (1.0 - 0.0) +
[2.04 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 2 + 8.72 + 0.67 + 0 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 713 * 0.0 =
[1.1628 + 0.9831 + 0.67 + 8.72 + 1.2208 + 0.1814] * 713 * 1 + 0 = 12.9381 * 713 * 1 = 9224.87

16 41

CALCULATION OF PLOWING AND TRENCHING INVESTMENTS

```
else Trench_inv := ( f_OSPLabor.Labor('LP54B', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                     f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                     f_OSPLabor.Labor('LP43C', Tier_Flag) +                    // Sample L will demonstrate trenched
                     f_OSPLabor.Labor('LP70B', Tier_Flag) +                    fiber feeder cable > 1000'
                     f_OSPMaterial.Mat('SUBDUC', 1)       +
                     f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +
                    (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                     f_OSPMaterial.Mat('CONCRETE',1) +
                     f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) *
                     Length * (1.0-Sharing_Buried) +
                    ( f_OSPLabor.Labor('LP54B', Tier_Flag) * (1.0 - Per_HD - Per_Bor) +
                     f_OSPLabor.Labor('LP57A', Tier_Flag) *  Per_HD +
                     f_OSPLabor.Labor('LP54C', Tier_Flag) * 2.0 +
                     f_OSPLabor.Labor('LP70B', Tier_Flag) +                    calculation for shared
                     f_OSPLabor.Labor('LP43C', Tier_Flag) +                    portion of the trench -
                     f_OSPMaterial.Mat('SUBDUC', 1)       +                    equates to zero when
                     f_OSPLabor.Labor('LP59A', Tier_Flag) *  Per_Bor +         there is 0% sharing
                    (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                     f_OSPMaterial.Mat('CONCRETE',1) +
                     f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con ) /
                     Asmp.TrenchUsers * Length * Sharing_Buried;
```

CALC. Trench_Inv = [1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.67 + 8.72 + 0 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] * 7789 * (1.0 - 0.0) +
[1.95 * (1.0 - 0.29 - 0.14) + 3.39 * 0.29 + 0.31 * 2 + 8.72 + 0.67 + 0 + 8.72 * 0.14 + (2.69 + 2.22 + 4.16) * 0.02] / 1 * 7789 * 0.0 =
[1.1115 + 0.9831 + 0.67 + 8.72 + 1.2208 + 0.1814] * 7789 * 1 + 0 = 12.8868 * 7789 * 1 = 100375.29

```
    Size  := 42;   // depth of trench required in inches
   end // END <30"
  end;  // END (3)bedrock <60" deep
 end;  // END (2)bedrock <60" deep
end; // END (1)bedrock <60" deep (
end; // END Can not plow
end; // END Case 2: Feeder & Transport
end;
{write trench information to the Inventory File }
if Size < 0
 then PartInventory.Write (Clli, OSPType[1], 'BURPLCP', -Size, round(Length), Xpos, Ypos)  // Plowed
 else PartInventory.Write (Clli, OSPType[1], 'BURPLCT',  Size, round(Length), Xpos, Ypos); // Trenched
{return the trench investment value }
Trench := Trench_inv;
end;    // END of Trench function
```

16 42

CALCULATION OF CONDUIT INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of conduit investments that are performed by the "Conduit" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires underground cable, it calls the underground cable sub-routine to determine the cable investment and the number of cables required. It then calls the conduit sub-routine and provides it with the number of cables required.

The conduit sub-routine is made up of two functions. The "CalcCon" function that calculates the investments is embedded inside the "Conduit" function. The conduit function determines how many ducts are required based on the number of cables being placed and the number of additional ducts required for sharing. The entire process is completed twice, once for non-shared and again for shared conduit. The two results are then weighted together according to the percent of sharing input by the user.

To help clarify the flow of this procedure, the portion of the "Conduit" function that determines the number of ducts required, will be moved from its location at the end of the sub-routine to the start so that the number of ducts can be determined prior to starting investment calculations. After the number of ducts have been determined, the investment for the conduit is calculated in the "CalcCon" function.

Listed below is the labor, material and user option data required for conduit.

USER OPTION DATA

ITEM	VALUE
UG Feeder Percent Sharing	0.0082
UG Distribution Percent Sharing	0.0082
Additional Conduit	1
Percent Concrete	0.02
Manhole Spacing	750
Pull Box Spacing	3000
LnFtManhole	20
LnFtPullBox	4
WellPointDays	2

LABOR RATES

ITEM	VALUE
LP49B: Place Add.Cable/Duct in Trench	0.55
LP54A: Trench - Short Distance	2.04
LP55A: Backhoe	2.35
LP55B: Backhoe - Additional Depth	0.46
LP70A: Cut Solid Rock (Hole)	277.07
LP70B: Rock Saw	8.72
LP73B: Well Point	168.39
LP87A: Rod and Mandrel Duct	0.39
LP88A: Place Sub-duct in Conduit	0.65
LP93C: Cut and Remove Concrete	2.69
LP93D: Place Concrete	4.16
MNHOLE: Manhole install	3339.20
PULLBOX: Pull Box install	284.39

MATERIAL COSTS

ITEM	VALUE
MNHOLE	8832.69
PULLBOX	5227.91
CONC	2.22
SUBDUC	0 *
COND - 2 DUCTS	3.15
COND - 4 DUCTS	6.29
COND - 6 DUCTS	9.44
COND - 9 DUCTS	14.16
COND - 12 DUCTS	18.88

NOTE * Some of the minor material items have a $0.00 value (if the last column in material file = "TRUE")

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CALCULATION OF CONDUIT INVESTMENTS

The following "Conduit" function is really located at the end of this sub-routine. It has been moved to the beginning to determine the kind and size of the conduit system being placed. This determination must be made before the investment can be calculated.

```
begin     // True beginning of the Conduit function
 {test to see if there is length for this placement}
 Case ArcType of
   0 : begin                                                    // IF THE ARC TYPE IS "0",
       OSPType := 'I';                                          // THE OSPType IS "I" (Interoffice fiber)
       Sharing_UndGnd := Asmp.Sharing_F_Cond;                   // AND THE % SHARING IS 10% FOR THE FEEDER (1 ADDITIONAL DUCT);
     end;
   1 : begin                                                    // IF THE ARC TYPE IS "1",
       OSPType := 'F';                                          // THE OSPType IS "F" (Feeder fiber)
       Sharing_UndGnd := Asmp.Sharing_F_Cond;                   // AND THE % SHARING IS 10% FOR THE FEEDER (1 ADDITIONAL DUCT);
     end;
 2,3 : begin                                                    // IF THE ARC TYPE IS "2 or 3",
       if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'  // AND IF THE OSPType IS "D" (Distribution copper)
        then begin
             OSPType := 'D';                                    // THE OSPType IS "D" (Backbone Distribution copper)
             Sharing_UndGnd := Asmp.Sharing_D_Cond;             // AND THE % SHARING IS 10% FOR THE DISTRIBUTION (1 ADDITIONAL DUCT);
            end
        else begin
             OSPType := 'F';                                    // ELSE THE OSPType IS "F" (Backbone Feeder copper)
             Sharing_Undgnd := Asmp.Sharing_F_Cond;             // AND THE % SHARING IS 10% FOR THE FEEDER (1 ADDITIONAL DUCT);
            end;
     end;
  4 : begin                                                     // IF THE ARC TYPE IS "4",
       OSPType := 'D';                                          // THE OSPType IS "D" (Distribution copper in demand points)
       Sharing_UndGnd := Asmp.Sharing_D_Cond;                   // AND THE % SHARING IS 10% FOR THE FEEDER (1 ADDITIONAL DUCT);
     end
end;

if (Length < 1) or (Num_Of_Ducts < 1)                           // IF THE THERE IS NO LENGTH OR DUCTS REQUIRED,
 then begin
       Result := 0;                                             // THE RESULT IS "0"
       exit;   // then exit                                     // AND EXIT
      end;
```

16 44

CALCULATION OF CONDUIT INVESTMENTS

```
{Cost of material for conduit and manholes
This sizes the number of ducts required in the conduit formation
to care for the number of underground cables being placed.  The number
of ducts (Num_Of_Ducts) is determined in the underground cable
subroutine but the conduit formations come in standard sizes...2 ,4,
6, 9, 12, 15, 18, 21, 24, etc.  This sizes the conduit formation for
non-shared conduit.}
if(Num_Of_Ducts/2 <= 3)
  then  size := round(2 * ceil(Num_Of_Ducts / 2.0))
// IF 1 DUCT IS REQUIRED,  ( 1 / 2 = .5  "<=3" )
CALC.   ROUND ( 2 * CEIL ( 1 / 2 )) = ROUND ( 2 * 1 ) = 2
  else  size := round(3 * ceil(Num_Of_Ducts / 3.0));
// IF 7 DUCTS ARE REQUIRED,  ( 7 / 2 = 3.5  NOT "<=3" )
CALC.   ROUND ( 3 * CEIL ( 7 / 3 )) = ROUND ( 3 * 3 ) = 9

PartInventory.Enabled := False;  // RFPC 0012
Norm_Inv := CalcCon;        // calculates the non-shared conduit investment

{This sizes the conduit formation for the shared conduit, using the number
of ducts for other companies and number of ducts required for the
underground cables being placed.}
if((Num_Of_Ducts + Asmp.ConduitUsers)/2 <= 3)
  then  size := round(2 * ceil((Num_Of_Ducts + Asmp.ConduitUsers) / 2.0))
// IF 1 DUCT IS REQUIRED FOR GTE CABLES AND 1 DUCT FOR SHARING,  ( 2 / 2 = 1  "<=3" )
CALC.   ROUND ( 2 * CEIL ( 2 / 2 )) = ROUND ( 2 * 1 ) = 2
  else  size := round(3 * ceil((Num_Of_Ducts + Asmp.ConduitUsers) / 3.0));
// IF 7 DUCTS ARE REQUIRED FOR GTE CABLES AND I DUCT FOR SHARING,  ( 8 / 2 = 4  NOT "<=3" )
CALC.   ROUND ( 3 * CEIL ( 8 / 3 )) = ROUND ( 3 * 3 ) = 9

if InvType = 'AVG'      // RFPC 0012
  then PartInventory.Enabled := True   // RFPC 0012
  else PartInventory.Enabled := False; // RFPC 0012
```

16 45

CALCULATION OF CONDUIT INVESTMENTS

```
   Share_Inv := CalcCon;       // calculates the shared conduit investment
   {weigh the conduit, shared and non-shared, investment }
   PartInventory.Enabled := True;  // RFPC 0012
   Conduit := share_inv * Sharing_UndGnd *((Size - Asmp.ConduitUsers)/Size) +
         Norm_inv * (1.0 - Sharing_UndGnd);
CALC.  Conduit = 40,000 * .10 * (( 4 - 1 ) / 4 ) + 30,000 * ( 1 - .10 ) = 4,000 * .75 + 30,000 * .90 = 3,000 + 27,000 = 30,000

end;  // END function Tf_grid.Conduit
```

// ASSUME FOR THIS EXAMPLE THAT THE NON-SHARED INVESTMENT IS
// $30,000.00 (for two ducts) AND THE SHARED IVESTMENT IS $40,000.00
// (for four ducts - 1 additional duct) % SHARING = 10%

16 46

CALCULATION OF CONDUIT INVESTMENTS

THIS IS THE ACTUAL START OF THE CODING !

```
function Conduit(Clli : String; ArcType, Xpos, Ypos, Demand, Bus_Lines : integer;
                 Length : Double; InvType: String) : Double;

{ The Conduit function calculates the investment for conduit, manholes, and pull
  boxes required to support the underground cable segment. The "CalcCon" function
  which does all the investment calculations, is embedded inside the "Conduit"
  function.

   Labor Activity Codes:  (used in Conduit investment calculation)
     LP49B:    Place Cable/Duct in open Trench (all types/size)
     LP54A:    Trench - Short Distance (up to 1000' - 30" depth)
     LP55A:    Backhoe Buried Cable (up to 36" depth)
     LP55B:    Backhoe - Additional Depth (each additional 12" depth increment)
     LP70A:    Solid Rock
     LP70B:    Rock Saw
     LP73B:    Well Point
     LP87A:    Rod and Mandrel Duct
     LP88A:    Place Sub-duct or Air Tube in Conduit
     LP93C:    Cut and Remove Concrete (0 to 100 square feet)
     LP93D:    Place Concrete  (0 to 100 square feet)
     MNHOLE:   Manhole install
     PULLBOX:  Pull Box install
}

Var                                                  // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
  Size     : Integer; // Number of conduits
  Norm_Inv  : Double;       // non-shared conduit investment
  Share_inv : Double;       // shared conduit investment

function CalcCon : Double;   // calculates the conduit investment
  Var
   Duct_Inv    : Double;    // conduit investment
   TrenchAdd   : Double;    // additional trench depth depending on number of ducts places
   Vs_Conduit  : Double;    // volume sensitive conduit investment
   Man_Pull_Cnt : Longint;  // number of manholes (if UseManHole=True) or pull boxes
   Per_Con     : Double;    // percent concrete

  begin       // beginning of function CalcCon code
   {Determines the percent of concrete that will be applied in the trenching
```

// THE LABOR CODES USED IN THIS SUB-ROUTINE ARE DEFINED

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CALCULATION OF CONDUIT INVESTMENTS

```
for conduit, based on Structure_Flag (0=low density, 1=med to high density,
2=high density business, distribution only).}
Case Asmp.Structure_Flag  of
 0: Per_Con := 0.0;                                          // IF THE Structure_flag IS "0", THE % CONCRETE IS 0.00;
 1: if PercntConcrete < 0.0                                  // IF THE Structure_flag IS "1" AND % CONCRETE IS < 0.0
     then Per_Con := 0.0                                     // THE % CONCRETE IS 0.00
     else Per_Con := Asmp.Percent_Concrete;                  // ELSE THE % CONCRETE IS AS INPUT;
 2: Per_Con := 0.80;                                         // IF THE Structure_flag IS "2", THE % CONCRETE IS 0.80;
end;

{calculate the conduit investment (duct_inv) - sum material cost and labor
for placed additional ducts; placing the first duct is included in the
trenching labor }
duct_inv := Length * (f_OSPMaterial.Mat('COND', Size)+          // CALCULATIONS INVESTMENT FOR THE DUCTS
        f_OSPLabor.Labor('LP49B',Tier_Flag)*(Size-1));                  // Assume 2 ducts for 1278 feet
CALC:   duct_inv = 1278 * ( 3.15 + .55 * ( 2 - 1 )) = 1278 * 3.70 = 4728.60

{write conduit information to Inventory File }
if InvType = 'AVG'                                              // THIS SECTION WRITES CONDUIT SIZE AND LENGTH
 then Case ArcType of                                           // TO THE INVENTORY FILE
      0 : PartInventory.Write (Clli, 'I', 'CONDUIT', Size, Round(Length), XPos, YPos);
      1 : PartInventory.Write (Clli, 'F', 'CONDUIT', Size, Round(Length), XPos, YPos);
    2,3 : PartInventory.Write (Clli, OSPType[1], 'CONDUIT', Size, Round(Length), XPos, YPos);
      4 : PartInventory.Write (Clli, 'D', 'CONDUIT', Size, Round(Length), XPos, YPos);
     end;

{set volume sensitive conduit investment equal to the conduit investment }
Vs_Conduit := duct_inv;                                         // This line sets the Volume Sensitive investment equal to the
                                                                // investment for the conduit.
```

16 43

CALCULATION OF CONDUIT INVESTMENTS

```
TrenchAdd := 0.0;
{Determine number of additional increments of trench depths (TrenchAdd)
required or if man holes (UseManHole) are needed, each depending on
number of ducts ('Size'). TrenchAdd is applied later to the labor
rate. If UseManHole is False then pull boxes are used.}
if Size > 2
 then if Size > 12
       then TrenchAdd := 2.0      // add 2 increments of trench depth
       else TrenchAdd := 1.0;     // add one increment of trench depth

{Re-calculate the trenching investment for the conduit depending on the          // THIS SECTION IS PERFORMS CALCULATIONS FOR CONDUIT TRENCH
number of ducts placed. If less than 3 ducts (2 is minimum placed) are
placed, trenching is assumed to be done by a trencher instead of a backhoe.
Investment calculated by summing weighted labor and material.}
if ( Size < 3)
 then duct_inv := duct_inv + length * (f_OSPLabor.Labor('LP54A',Tier_Flag) +     // CALCULATIONS FOR TRENCH FOR TWO DUCTS
                          (f_OSPLabor.Labor('LP93C', Tier_Flag) +
                           f_OSPMaterial.Mat('CONCRETE',1) +
                           f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con+
                          f_OSPLabor.Labor('LP87A',Tier_Flag))
CALC:   duct_inv = duct_inv + 1278 * ( 2.04 + ( 2.69 + 2.22 + 4.16 ) * .02 + .39 ) = 1278 * ( 2.04 + 0.1814 + .39 ) = 1278 * 2.6114 = duct_inv + 3337.37

{When more than 2 ducts are placed the trenching is assumed to be done
by a backhoe. The additional trench depths (TrenchAdd) are included here.
Investment calculated by summing weighted labor and material.}
else duct_inv := Duct_Inv + Length *                                            // CALCULATIONS FOR TRENCH FOR > TWO DUCTS
            ( f_OSPLabor.Labor('LP55A',Tier_Flag) +                             // EXAMPLE: 4 DUCTS ( TrenchAdd = 1)
              f_OSPLabor.Labor('LP55B',Tier_Flag)* TrenchAdd +
              (f_OSPLabor.Labor('LP93C', Tier_Flag) +
               f_OSPMaterial.Mat('CONCRETE',1) +
               f_OSPLabor.Labor('LP93D', Tier_Flag))* Per_Con +
              f_OSPLabor.Labor('LP87A',Tier_Flag) );
CALC:   duct_inv = duct_inv + 1278 * ( 2.35 + .46 * 1 + ( 2.69 + 2.22 + 4.16 ) * .02 + .39 ) = 1278 * ( 2.35 + .46 + 0.1814 + .39 ) = 1278 * 3.3814 = duct_inv + 4321.43
```

16 45

CALCULATION OF CONDUIT INVESTMENTS

```
if BedRock < 36    // bedrock within 36" of surface
 then begin
      {add rock sawing information to the conduit investment }                    // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR ROCK SAWING TRENCH
      duct_inv := duct_inv + Length * f_OSPLabor.Labor('LP70B',Tier_Flag);
     end;     // END bedrock within 36" fo surface
CALC:   duct_inv = duct_inv + 1278 * 8.72 = duct_inv + 11144.16

 if ArcType =4
  then begin  // Distribution                                                     // THIS SECTION DETERMINES IF ANY MANHOLES OR PULL BOXES ARE TO BE
      if (Bus_Lines>60.0) or (Size >2)                                           // PLACED FOR THE UNDERGROUND DISTRIBUTION CABLES IN THE DEMAND
      {Manholes placed in distribution and business lines >60 }                  // POINTS. IF THE BUSINESS DEMAND IS > 60 LINES OR DUCTS > 2, MANHOLES
       then begin        // place manholes                                      // ARE PLACED. IF THE BUSINESS DEMAND IS < 60 BUT > 6 LINES, PULL BOXES
           {Determine number of manholes using cable length,                     // ARE PLACED. IF THE BUSINESS DEMAND IS <= 6 LINES, NEITHER ARE PLACED.
            road feet, and cable  sections(Nodes).  Add manhole
            information to conduit investment.}
           Man_Pull_Cnt := round(Length/Asmp.ManHole_Spacing);                   // CALCULATIONS FOR NUMBER OF MANHOLES
CALC:   Man_Pull_Cnt = round ( 613 / 750 ) = round ( .8173 ) = 1
           duct_inv    := Duct_Inv + Man_Pull_Cnt *                              // CALCULATIONS FOR MANHOLE INVESTMENT
                     (f_OSPLabor.Labor('MNHOLE',Tier_Flag)+
                      f_OSPMaterial.Mat('MNHOLE', 1));
CALC:   duct_inv = duct_inv + 1 * ( 3339.20 + 8832.69 ) =  duct_inv + 12171.89

           if BedRock < 72                                                       // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR ROCK CUTTING
             then duct_inv := duct_inv + Asmp.LnFtManhole * Round(Length/Asmp.ManHole_Spacing) *
                      f_OSPLabor.Labor('LP70A',Tier_Flag);
CALC:   duct_inv = duct_inv + 20 * Round ( 613 / 750 ) * 277.07 =duct_inv + 20 * Round ( .8173 ) * 277.07 = duct_inv + 20 * 1 * 277.07  = duct_inv + 5541.40

           if (WaterTable < 48)                                                  // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR water removal
            {water table within 48" of surface and manholes placed - add well
             points information to the conduit investment }
             then duct_inv := duct_inv + Asmp.WellPointDays * Round(Length/Asmp.ManHole_Spacing) *
                      f_OSPLabor.Labor('LP73B',Tier_Flag);
CALC:   duct_inv = duct_inv + 2 * Round ( 613 / 750 ) * 168.39  = duct_inv + 2 * Round ( .8173 ) * 168.39  = duct_inv + 2 * 1 * 168.39  = duct_inv + 336.78

           if (InvType = 'AVG') and (Man_Pull_Cnt > 0)
            {write manhole information to Inventory File }
             then PartInventory.Write (Clli, OSPType[1], 'MANHOLE', round(Length/Man_Pull_Cnt),
                        Man_Pull_Cnt, Xpos, Ypos);
          end  // END Bus Lines > 60
```

16 50

CALCULATION OF CONDUIT INVESTMENTS

```
        else if (Bus_Lines>6.0)                                    // IF BUSINESS LINES > 6, PULL BOXES ARE PLACED
           {Pullbox placed in distribution and business lines >6 }
            then begin      // place pull boxes
                {Determine number of pull boxes using cable length,
                 road feet, and cable sections (Nodes).  Add pull
                 box information to conduit investment.}
                Man_Pull_Cnt := round(Length/Asmp.ManHole_Spacing);    // CALCULATIONS FOR NUMBER OF PULL BOXES
CALC:   Man_Pull_Cnt = round ( 613 / 750 ) = round ( .8173 ) = 1
                duct_inv    := Duct_Inv + Man_Pull_Cnt *               // CALCULATIONS FOR PULL BOX INVESTMENT
                               (f_OSPLabor.Labor('PULLBOX',Tier_Flag)+
                               f_OSPMaterial.Mat('PULLBOX', 1));
CALC:   duct_inv = duct_inv + 1 * ( 284.39 + 5227.91 ) =  duct_inv + 5512.30

                if BedRock < 48      // Rock removal                  // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR ROCK CUTTING
                  then duct_inv := duct_inv + Asmp.LnFtPullBox * Round(Length/Asmp.ManHole_Spacing) *
                     f_OSPLabor.Labor('LP70A',Tier_Flag);
CALC:   duct_inv = duct_inv + 4 * Round ( 613 / 750 ) * 277.07 = duct_inv + 4 * Round ( .8173 ) * 277.07 = duct_inv + 4 * 1 * 277.07  =  duct_inv + 1108.28

                if (InvType = 'AVG') and (Man_Pull_Cnt > 0)
                 {write pull box information to Inventory File }
                  then PartInventory.Write (Cili, OSPType[1], 'PULLBOX', round(Length/Man_Pull_Cnt),
                                Man_Pull_Cnt,  Xpos, Ypos);
              end;     // END Bus Lines > 6
      end   // End of Distribution
```

16 51

CALCULATION OF CONDUIT INVESTMENTS

```
    else begin // Feeder or Tranport Fiber                          // START OF CALCULATIONS FOR MANHOLES OR PULL BOXES FOR FIBER
        if ArcType < 2                                              // FEEDER AND IOF
         then begin      // Fiber cable placed                     // CALCULATIONS FOR SUB-DUCT INVESTMENT
            duct_inv  := duct_inv + Size * Length * f_OSPLabor.Labor('LP88A',Tier_Flag) +
                    3.0 * Size * Length * f_OSPMaterial.Mat('SUBDUC', 1);
CALC:   duct_inv = duct_inv + 2 * 1823 * .65 +  3 * 2 * 1823 * .00 = 2369.90 + 0.00  =  2369.90          // SubDuct is minor material  cost = 0.00
            Vs_Conduit := Vs_Conduit + Size * Length * f_OSPLabor.Labor('LP88A',Tier_Flag) +
                    3.0 * Size * Length * f_OSPMAterial.Mat('SUBDUC', 1);
CALC:   Vs_Conduit = Vs_Conduit + 2 * 1823 * .65 +  3 * 2 * 1823 * .00 = 2369.90 + 0.00  =  2369.90

            {write subduct info to Inventory File }
            if InvType = 'AVG' then PartInventory.Write (Clli, OSPType[1], 'SUBDUCT', 3*Size,  round(Length), Xpos, Ypos);

            if Size > 2                                             // IF MORE THAN 2 DUCTS ARE REQUIRED, MANHOLES ARE PLACED
             then begin      // Place manholes
                Man_Pull_Cnt := round(Length/Asmp.PullBox_Spacing); // CALCULATIONS FOR NUMBER OF MANHOLES
CALC:   Man_Pull_Cnt = round ( 6202 / 3000 ) = round ( 2.067 ) = 2
                duct_inv := Duct_Inv + Man_Pull_Cnt *               // CALCULATIONS FOR MANHOLE INVESTMENT
                      (f_OSPLabor.Labor('MNHOLE',Tier_Flag)+
                       f_OSPMaterial.Mat('MNHOLE', 1));
CALC:   duct_inv = duct_inv + 2 * ( 3339.20 + 8832.69 ) = duct_inv + 24343.78

                if BedRock < 72                                     // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR ROCK CUTTING
                 then duct_inv := duct_inv + Asmp.LnFtManhole * Round(Length/Asmp.PullBox_Spacing) *
                          f_OSPLabor.Labor('LP70A',Tier_Flag);
CALC:   duct_inv =  duct_inv + 20 * Round ( 6202 / 3000 ) * 277.07 = duct_inv  + 20 * Round ( 2.067 ) * 277.07 = duct_inv  + 20 * 2 * 277.07  = duct_inv + 11082.80

                if (WaterTable < 48)                                // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR water removal
                 (water table within 48" of surface and manholes placed - add well
                 points information to the conduit investment }
                  then duct_inv := duct_inv + Asmp.WellPointDays * Round(Length/Asmp.PullBox_Spacing) *
                          f_OSPLabor.Labor('LP73B',Tier_Flag);
CALC:   duct_inv = duct_inv + 2 * Round ( 6202 / 3000 ) * 168.39 = duct_inv + 2 * Round ( 2.067 ) * 168.39  = duct_inv + 2 * 2 * 168.39  = duct_inv + 673.56
```

16 52

CALCULATION OF CONDUIT INVESTMENTS

```
                if (invType = 'AVG') and (Man_Pull_Cnt > 0)
                 {write manhole information to Inventory File }
                  then PartInventory.Write (Clli, OSPType[1], 'MANHOLE', round(Length/Man_Pull_Cnt),
                                Man_Pull_Cnt, Xpos, Ypos);
              end      // END Place manholes

            else begin      // Place pullboxes                          // IF 2 DUCTS ARE REQUIRED, PULL BOXES ARE PLACED
                Man_Pull_Cnt := round(Length/Asmp.PullBox_Spacing);     // CALCULATIONS FOR NUMBER OF PULL BOXES
CALC:   Man_Pull_Cnt = round ( 6202 / 3000 ) = round ( 2.067 ) = 2
                duct_inv := Duct_Inv + Man_Pull_Cnt *                   // CALCULATIONS FOR PULL BOX INVESTMENT
                        (f_OSPLabor.Labor('PULLBOX',Tier_Flag)+
                         f_OSPMaterial.Mat('PULLBOX', 1));
CALC:   duct_inv = duct_inv + 2 * ( 284.39 + 5227.91 ) = duct_inv + 11024.60

                if BedRock < 48      // Rock removal                    // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR ROCK CUTTING
                 then duct_inv := duct_inv + Asmp.LnFtPullBox * Round(Length/Asmp.PullBox_Spacing) *
                          f_OSPLabor.Labor('LP70A',Tier_Flag);
CALC:   duct_inv = duct_inv + 4 * Round ( 6202 / 3000 ) * 277.07 = duct_inv + 4 * Round ( 2.067 ) * 277.07 = duct_inv + 4 * 2 * 277.07  = duct_inv + 2216.56

                if (invType = 'AVG') and (Man_Pull_Cnt > 0)
                 {write manhole information to Inventory File }
                  then PartInventory.Write (Clli, OSPType[1], 'PULLBOX', round(Length/Man_Pull_Cnt),
                                Man_Pull_Cnt, Xpos, Ypos);
              end; // End Place pullboxes
          end;     // End Fiber cable placed
```

16 53

CALCULATION OF CONDUIT INVESTMENTS

```
if ArcType in [2,3]                                          // START OF CALCULATIONS FOR MANHOLES OR PULL BOXES FOR COPPER
 then begin     // Copper cable placed                      // BACKBONE FEEDER AND DISTRIBUTION CABLES
    if Demand >= 400                                         // IF THE DEMAND IS GREATER THAN 400, MANHOLES ARE PLACED
     then begin       // Place manholes
        Man_Pull_Cnt := round(Length/Asmp.ManHole_Spacing);  // CALCULATIONS FOR NUMBER OF MANHOLES
CALC:  Man_Pull_Cnt = round ( 1823 / 750 ) = round ( 2.431 ) = 2
        duct_inv := Duct_Inv + Man_Pull_Cnt *                // CALCULATIONS FOR MANHOLE INVESTMENT
              (f_OSPLabor.Labor('MNHOLE',Tier_Flag)+
               f_OSPMaterial.Mat('MNHOLE', 1));
CALC:  duct_inv = duct_inv + 2 * ( 3339.20 + 8832.69 ) = duct_inv + 24343.78

        if BedRock < 72                                      // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR ROCK CUTTING
         then duct_inv := duct_inv + Asmp.LnFtManhole * Round(Length/Asmp.ManHole_Spacing) *
                  f_OSPLabor.Labor('LP70A',Tier_Flag);
CALC:  duct_inv =  duct_inv + 20 * Round ( 1823 / 750 ) * 277.07 = duct_inv  + 20 * Round ( 2.431 ) * 277.07 = duct_inv  + 20 * 2 * 277.07  = duct_inv + 11082.80

        if (WaterTable < 48)                                 // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR water removal
         {water table within 48" of surface and manholes placed - add well
          points information to the conduit investment }
          then duct_inv := duct_inv + Asmp.WellPointDays * Round(Length/Asmp.ManHole_Spacing) *
                  f_OSPLabor.Labor('LP73B',Tier_Flag);
CALC:  duct_inv = duct_inv + 2 * Round ( 1823 / 750 ) * 168.39  = duct_inv + 2 * Round ( 2.431 ) * 168.39  = duct_inv + 2 * 2 * 168.39  = duct_inv + 673.56

        if (InvType = 'AVG') and (Man_Pull_Cnt > 0)
         {write manhole information to Inventory File }
          then PartInventory.Write (Clli, OSPType[1], 'MANHOLE',  round(Length/Man_Pull_Cnt),
                    Man_Pull_Cnt, Xpos, Ypos);
       end   // END Place manholes
```

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CALCULATION OF CONDUIT INVESTMENTS

```
            else begin        // Place pullboxes                          // IF DEMAND < 400, PULL BOXES ARE PLACED
                Man_Pull_Cnt := round(Length/Asmp.ManHole_Spacing);        // CALCULATIONS FOR NUMBER OF PULL BOXES
CALC:   Man_Pull_Cnt = round ( 1823 / 750 ) = round ( 2.431 ) = 2
                duct_inv := Duct_Inv + Man_Pull_Cnt *                      // CALCULATIONS FOR PULL BOX INVESTMENT
                        (f_OSPLabor.Labor('PULLBOX',Tier_Flag)+
                         f_OSPMaterial.Mat('PULLBOX', 1));
CALC:   duct_inv = duct_inv + 2 * ( 284.39 + 5227.91 ) = duct_inv + 11024.60

                if BedRock < 48                                            // CALCULATIONS FOR ADDITIONAL INVESTMENT FOR ROCK CUTTING
                 then duct_inv := duct_inv + ASmp.LnFtPullBox * Round(Length/Asmp.ManHole_Spacing) *
                            f_OSPLabor.Labor('LP70A',Tier_Flag);
CALC:   duct_inv = duct_inv + 4 * Round ( 1823 / 750 ) * 277.07 = duct_inv + 4 * Round ( 2.431 ) * 277.07 = duct_inv + 4 * 2 * 277.07  = duct_inv + 2216.56

                if (InvType = 'AVG') and (Man_Pull_Cnt > 0)
                 {write manhole information to Inventory File }
                 then PartInventory.Write (Clli, OSPType[1], 'PULLBOX', round(Length/Man_Pull_Cnt),
                            Man_Pull_Cnt, Xpos, Ypos);
              end;       // End Place pullboxes
          end;          // End Copper cable placed
      end;

  {Determine if conduit investment or volume sensitive investment is to be
   returned from the CalcCon function depending on the Inventory Type. }
   if InvType = 'AVG' then
     CalcCon := duct_Inv
   else if InvType = 'VS' then
     CalcCon := Vs_Conduit
   else CalcCon := duct_Inv;

  end; {end function CalCon}
```

16 55

CALCULATION OF POLE INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of pole investments that are performed by the "Pole" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires aerial cable, in addition to calling the aerial cable sub-routine, it also calls the pole sub-routine to calculate the structure investment required to support the aerial cable.

The pole sub-routine determines the total number of poles required for the entire length of aerial cable in the ARC based on the pole spacing entered by the user. From this total, the number of foreign attachments are subtracted prior to any pole investments being calculated. The investment for the remaining number of poles is calculated twice, once for non-shared poles and again for shared poles. The two results are then weighted by the percent of sharing input by the user.

Listed below is the labor, material and user option data required for poles.

USER OPTION DATA

ITEM	VALUE
Aerial Feeder Percent Sharing	0.4
Aerial Distribution Percent Sharing	0.4
Percent Concrete	0.02
Pole Spacing	175
Pole users	2
Foreign Poles	0.7635
Percent Guy Wire	0.1

LABOR RATES

ITEM	VALUE
LP01A: Place Pole/Push Brace	78.48
LP03A: Place Poles/Joint Use	78.48
LP07A: Place Anchor and Guy	69.97
LP70A: Cut Pole in Solid Rock	277.07
LP93C: Cut and Remove Concrete	2.69
LP93D: Place Concrete	4.16

MATERIAL COSTS

ITEM	VALUE
POLE	321.34
POLESH	742.61
ANCHOR	0 *
CONC.	2.22

NOTE * Some of the minor material items have a $0.00 value (if the last column in material file = "TRUE")

16 56

CALCULATION OF POLE INVESTMENTS

```
function Poles( Clli : String; ArcType, Xpos, Ypos : integer;
                Length : Double) : Double;

( This subroutine calculates the investment for poles required to support
  the aerial cables being placed.

    Labor Activity Codes:  (used in Poles investment calculation)
    LP01A:    Place Pole/Push Brace (all sizes)
    LP03A:    Poles/Joint Use
    LP07A:    Place Anchor and Guy (all types/size)
    LP70A:    Solid Rock
    LP93C:    Cut and Remove Concrete (0 to 100 square feet)
    LP93D:    Place Concrete  (0 to 100 square feet)
)

Var                                                    // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
  shpole_inv  : Double;      // shared pole investment
  nspole_inv  : Double;      // non-shared pole investment
  Pole_Cnt    : Double;      // total number of poles required for aerial cable
```

// THE LABOR CODES USED IN THIS SUB-ROUTINE ARE DEFINED

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CALCULATION OF POLE INVESTMENTS

```
begin   // start of Poles
  Case ArcType of
    0 : begin                                                    // IF THE ARC TYPE IS "0",
        OSPType := 'I';                                          // THE OSPType IS "I" (Interoffice fiber)
        Sharing_Aerial := Asmp.Sharing_F_Aerial;                 // AND THE % SHARING IS 50.68% FOR THE FEEDER
        Foreign_Poles  := Asmp.Sharing_F_frgn_Poles              // AND THE % FOREIGN IS 67.59% FOR THE FEEDER
      end;
    1 : begin                                                    // IF THE ARC TYPE IS "1",
        OSPType := 'F';                                          // THE OSPType IS "F" (Feeder fiber)
        Sharing_Aerial := Asmp.Sharing_F_Aerial;                 // AND THE % SHARING IS 50.68% FOR THE FEEDER
        Foreign_Poles  := Asmp.Sharing_F_frgn_Poles              // AND THE % FOREIGN IS 67.59% FOR THE FEEDER
      end;
    2,3 : begin                                                  // IF THE ARC TYPE IS "2 or 3",
        if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'  // AND IF THE OSPType IS "D" (Distribution copper)
          then begin
              OSPType := 'D';                                    // THE OSPType IS "D" (Backbone Distribution copper)
              Sharing_Aerial := Asmp.Sharing_D_Aerial;           // AND THE % SHARING IS 50.68% FOR THE DISTRIBUTION
              Foreign_Poles  := Asmp.Sharing_D_frgn_Poles        // AND THE % FOREIGN IS 67.59% FOR THE DISTRIBUTION
            end
          else begin
              OSPType := 'F';                                    // ELSE THE OSPType IS "F" (Backbone Feeder copper)
              Sharing_Aerial := Asmp.Sharing_F_Aerial;           // AND THE % SHARING IS 50.68% FOR THE FEEDER
              Foreign_Poles  := Asmp.Sharing_F_frgn_Poles        // AND THE % FOREIGN IS 67.59% FOR THE FEEDER
            end;
      end;
    4 : begin                                                    // IF THE ARC TYPE IS "4",
        OSPType := 'D';                                          // THE OSPType IS "D" (Distribution copper in demand points)
        Sharing_Aerial := Asmp.Sharing_D_Aerial;                 // AND THE % SHARING IS 50.68% FOR THE DISTRIBUTION
        Foreign_Poles  := Asmp.Sharing_D_frgn_Poles              // AND THE % FOREIGN IS 67.59% FOR THE DISTRIBUTION
      end
  end;

  {test to see if there is aerial length for this placement}
  if Length < 1 then begin                                       // IF THE THERE IS NO LENGTH OR DUCTS REQUIRED,
    Result := 0;                                                 // THE RESULT IS "0"
    exit;   // if not, then exit                                 // AND EXIT
  end;
```

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CALCULATION OF POLE INVESTMENTS

```
{ POLES ARE VOLUME SENSITIVE}
{calculate the number of poles required using length and distance between poles }
pole_cnt := 1 + Round( Length / Asmp.Pole_Spacing );                    // CALCULATION OF THE TOTAL NUMBER OF POLES REQUIRED
CALC:    pole_cnt = 1 + Round ( 1278 / 175 ) = 1 + Round ( 7.303 ) = 1 + 7 = 8
{reduce number of poles to reflect the percentage of foreign poles }
pole_Cnt := round(Pole_Cnt * (1.0 - Foreign_Poles));                    // CALCULATION OF THE TOTAL NUMBER OF POLES REQUIRED
CALC:    pole_cnt = Round ( 8 * ( 1 - .7635 )) = Round ( 8 * .2365 )) = Round ( 1.892 ) = 2

if Pole_Cnt < 1
 then begin                                                             // IF Pole_Cnt < 1, RESULT = 0 AND EXIT
      Result := 0;
      exit;   // if not, then exit
     end;

{Bedrock within 60" of the surface  - non-shared pole investment (material
adjusted for pole count, labor is not adjusted for pole count)
(add cutting of bedrock)}
if (Bedrock < 60 )                                                      // CALCULATION OF INVESTMENT FOR NON-SHARED POLES IN BEDROCK
 then nspole_inv := pole_cnt * ( f_OSPMaterial.Mat('POLE',1)* (1+ f_OSPMaterial.Mat('MMPOLE',1)) +
            f_OSPLabor.Labor('LP01A', Tier_Flag)+ Asmp.Percent_GuyWire *
            (f_OSPLabor.Labor('LP07A', Tier_Flag) + f_OSPMaterial.Mat('ANCHOR',1)) +
             Asmp.Percent_Concrete *
            ( f_OSPLabor.Labor('LP93C', Tier_Flag)+ f_OSPLabor.Labor('LP93D', Tier_Flag))+
            f_OSPLabor.Labor('LP70A', Tier_Flag))
CALC:  nspole_inv = 2 * [ 321.34 * (1 + 0.00) + 78.48 + .10 * ( 69.97 + 0.00 ) + .02 * ( 2.69 + 4.16 ) + 277.07 ] =
       2 * [ 321.34 + 78.48 + 7.00 + .14 + 277.07 ] = 2 * 684.03 = 1368.06

 {Bedrock >60" of the surface  - non-shared pole investment (material      // CALCULATION OF INVESTMENT FOR NON-SHARED POLES
 adjusted for pole count, labor is not adjusted for pole count)}
 else nspole_inv := pole_cnt * (f_OSPMaterial.Mat('POLE',1)* (1+ f_OSPMaterial.Mat('MMPOLE',1)) +
            f_OSPLabor.Labor('LP01A', Tier_Flag)+ Asmp.Percent_GuyWire *
            (f_OSPLabor.Labor('LP07A', Tier_Flag) + f_OSPMaterial.Mat('ANCHOR',1)) +
             Asmp.Percent_Concrete *
            (f_OSPLabor.Labor( 'LP93C',  Tier_Flag)+ f_OSPLabor.Labor( 'LP93D',  Tier_Flag)));
CALC:  nspole_inv = 2 * [ 321.34 * (1 + 0.00) + 78.48 + .10 * ( 69.97 + 0.00 ) + .02 * ( 2.69 + 4.16 ) ] =
       2 * [ 321.34 + 78.48 + 7.00 + .14 ] = 2 * 406.96 = 813.92
```

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CALCULATION OF POLE INVESTMENTS

```
{Bedrock within 72" of the surface - shared pole investment (both material
and labor are adjusted for pole count) (add cutting of bedrock)}
if (Bedrock < 72 )                                          // CALCULATION OF INVESTMENT FOR SHARED POLES IN BEDROCK
 then shpole_inv := pole_cnt * (f_OSPMaterial.Mat('POLESH',1)* (1+ f_OSPMaterial.Mat('MMPOLE',1))) +
            pole_cnt * (f_OSPLabor.Labor('LP03A', Tier_Flag)+ Asmp.Percent_GuyWire *
            (f_OSPLabor.Labor('LP07A', Tier_Flag)+ f_OSPMaterial.Mat('ANCHOR',1)) +
             Asmp.Percent_Concrete *
            (f_OSPLabor.Labor('LP93C', Tier_Flag) + f_OSPLabor.Labor('LP93D', Tier_Flag)) +
            f_OSPLabor.Labor('LP70A', Tier_Flag ))
CALC:   nspole_inv = 2 * [ 742.61 * (1 + 0.00) + 78.48 + .10 * ( 69.97 + 0.00 ) + .02 * ( 2.69 + 4.16 ) + 277.07 ] =
        2 * [ 742.61 + 78.48 + 7.00 + .14 + 277.07 ]  = 2 * 1105.30  =  2210.60

 {Bedrock >72" of the surface  - shared pole investment (material adjusted          // CALCULATION OF INVESTMENT FOR SHARED POLES
 for pole count, labor is not adjusted for pole count)}
 else shpole_inv := pole_cnt * (f_OSPMaterial.Mat('POLESH',1)* (1+ f_OSPMaterial.Mat('MMPOLE',1)) +
            f_OSPLabor.Labor('LP03A', Tier_Flag)+ Asmp.Percent_GuyWire *
            (f_OSPLabor.Labor('LP07A', Tier_Flag)+ f_OSPMaterial.Mat('ANCHOR',1)) +
             Asmp.Percent_Concrete *
            ( f_OSPLabor.Labor('LP93C', Tier_Flag)+ f_OSPLabor.Labor('LP93D', Tier_Flag)));
CALC:   nspole_inv = 2 * [ 742.61 * (1 + 0.00) + 78.48 + .10 * ( 69.97 + 0.00 ) + .02 * ( 2.69 + 4.16 ) ] =
        2 * [ 742.61 + 78.48 + 7.00 + .14 ]  = 2 * 828.23  =  1656.46

 {Assume sharing with one other - weigh investments for non-shared and shared poles }
 Poles := shpole_inv * Sharing_Aerial / Asmp.PoleUsers  + nspole_inv * (1.0 - Sharing_Aerial);
CALC:   Poles = 1368.06 * .4000 / 2 + 813.92 * ( 1 - .4000 )  =  761.96          // CALCULATION OF WEIGHTED INVESTMENT FOR POLES

CALC:   Poles = 2210.60 * .4000 / 2 + 1656.46 * ( 1 - .4000 )  =  1436.00        // CALCULATION OF WEIGHTED INVESTMENT FOR POLES IN ROCK
 {Write poles information to Inventory File }
 PartInventory.Write (Clli, OSPType[1], 'POLES', Round(Length/(Round(Length/Asmp.Pole_Spacing))),
            round(pole_Cnt), Xpos, Ypos);
end;    // END Poles function
```

16 60

CALCULATION OF PAIR GAIN INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of pair gain investments that are performed by the "PairGainInvest" sub-routine in OSPInvest.pas.

The PairGainInvest sub-routine actually calculates the pair gain investments for serveral different types of services by looping through the sub-routine serveral times. In this document only the calculations for "POTS-WHOLESALE" will be shown to demonstrate the calculations. Each different type of service has different material and labor price input in the input tables.

The size of the pair gains are determined by the demand in the cluster times the Engineering Feeder factor. If this adjusted demand exceeds the size of the largest pair gain system, two or more systems are used. In this example, a demand greater than the largest pair gain system will be used to demonstrate all the calculations. If the demand was smaller than the largest pair gain system, the first section of the calculation would simply be bypassed.

Listed below is the labor, material and user option data required for pair gains.

USER OPTION DATA

ITEM	VALUE
Engineering Feeder factor	1.06

LABOR RATES

ITEM	VALUE
LCBAW1344 (INST. DLC1344 BASIC)	9241.22
LCBAW2016 (INST. DLC2016 BASIC)	9241.22
LCBBW1344 (DLC1344 BASIC LINE)	2.3
LCBBW2016 (DLC2016 BASIC LINE)	4.6

MATERIAL COSTS

ITEM	VALUE
LCBAW (DLC1344 BASIC)	137911 90
LCBAW (DLC2016 BASIC)	230461 09
LCBBW (DLC1344 BASIC LINE)	156 09
LCBBW (DLC2016 BASIC LINE)	138 92
LCBCW (DLC1344 EXT. BASIC LINE)	149 35
LCBCW (DLC2016 EXT. BASIC LINE)	6 18

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CALCULATION OF PAIR GAIN INVESTMENTS

```
function PairGainInvest(TDemand, RDemand, BDemand : Integer): Integer;
 Var
   K, L       : Longint;  // Total demand                    // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
   PGT        : Word;     // index to the material array
   PGC        : Word;     // pair gain's capacity
   PairGain_Cnt : Word;     // pair gain count
   PG_Inv     : Double;   // sized invest
   rPG_Inv    : Double;   // remainder of investment
   VS_PGain   : Double;   // sized volume sensitive invest
   rVS_PGain  : Double;   // remainder of vs invest
   LabA, LabB  : String[15];

 begin
   for PGT := 1 to 10 do     //RFPC0030 run loop for 10 iterations
    begin
     K := round(TDemand * Asmp.Engineering_Feeder);
CALC:    K = round ( 3000 * 1.06 ) = 3180
     L := f_OSPMaterial.MaxSize (DLCA[PGT]);
CALC:    L = 2016
     if L = 0
      then begin
           MessageDlg('Material ' + DLCA[PGT] +' not found.', mtError, [mbok], 0);
           Monitor.LogEvent(1,'Process Feeder','***ERROR*** Material ' + DLCA[PGT] +' not found.');
         end;

     PairGain_Cnt := 0;
     PG_Inv     := 0.0;
     rPG_Inv    := 0.0;
     VS_PGain   := 0;
     rVS_PGain  := 0.0;

     if K >= L then       // calc for DLC investment and DLC count
CALC:    3180 > 2016
      begin
       LabA := DLCA[PGT] + InttoStr(L);
       LabB := DLCB[PGT] + InttoStr(L);
```

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PAIR GAIN
2/22/00

CALCULATION OF PAIR GAIN INVESTMENTS

```
        PGC := K div L;
CALC:     PGC = 3180 / 2016 = 1   (div truncates the result - just like rounds down)
        PairGain_Cnt := PGC;
CALC:     PairGain_Cnt = 1
      . PG_Inv := ( f_OSPMaterial.Mat(DLCA[PGT], L) +                    // CALCULATION OF INVESTMENT FOR MAXIMUM SIZE PAIR GAIN SYSTEM
                    f_OSPLabor.Labor(LabA, Tier_Flag) +
                   ( f_OSPMaterial.Mat(DLCB[PGT], L) +
                     f_OSPLabor.Labor(LabB, Tier_Flag)) * L) * PGC;
CALC:     PG_Inv = [ 230461.09 + 9241.22 + ( 138.92 + 4.60 ) * 2016 ] * 1 = [ 230461.09 + 9241.22 + 289336.32 ] * 1 = 529038.63

        if PerExtend > round(L / Asmp.Engineering_Feeder) * PGC          // EXTENDED LOOP CARDS ARE NOT REQUIRED ON 12,000 FT. OPTION
CALC:       PerExtend > round ( 2016 / 1.06 ) * 1 or PerExtend > 1902
         then begin                                                      // IF EXTENDED LOOP CARDS REQUIRED WAS > 1902 (such as 2200)
             PG_Inv   := PG_Inv + f_OSPMaterial.Mat(DLCC[PGT], L) *
                         round(L / Asmp.Engineering_Feeder);
CALC:     PG_Inv = 529038.63 + 6.18 * 1902 = 529038.63 + 11754.36 = 540792.99
             PerExtend := PerExtend - round(L / Asmp.Engineering_Feeder) * PGC;
CALC:        PerExtend = 2200 - 1902 = 298
            end
         else begin                                                      // IF EXTENDED LOOP CARDS REQUIRED WAS < 1902 (such as 1200)
             PG_Inv   := PG_Inv + f_OSPMaterial.Mat(DLCC[PGT], L) * PerExtend;
CALC:     PG_Inv = 529038.63 + 6.18 * 1200 = 529038.63 + 7416 = 536454.63
             PerExtend := 0;
            end;

        VS_PGain := PG_Inv;                                              // CALCULATES VOLUME SENSITIVE PAIR GAIN INVESTMENT
CALC:       VS_PGain = 542634.63                                         // EXTENDED LOOP CARD INVESTMENT NOT INCLUDED
        K := K - (L * PGC);                                              // CALCULATES REMAINING DEMAND
CALC:       K = 3180 - ( 2016 * 1 ) = 1164
        PartInventory.Write (Sai.Clli, 'F', DLCVar[PGT], L, PGC,
                     round(Sai.x[0]/SAI.gridweight), Round(Sai.y[0]));
      end;
```

CALCULATION OF PAIR GAIN INVESTMENTS

```
    if K > 0          // calc remainder                    // if K > 0, CALCULATES PAIR GAIN INVESTMENT FOR REMAINING DEMAND
     then begin
        L := round(f_OSPMaterial.FindSize(DLCA[PGT], K));  // DETERMINES SIZE OF SYSTEM REQUIRED FOR REMAINING DEMAND
CALC:    L  =  1344  ( First size of pair gain system above 1164 lines )
        LabA := DLCA[PGT] + InttoStr(L);
        LabB := DLCB[PGT] + InttoStr(L);


        Inc(PairGain_Cnt);
CALC:    ( 1 added to the PairGain_Cnt which was 1, PairGain_Cnt = 2 )
        rPG_Inv  := f_OSPMaterial.Mat(DLCA[PGT], L) +
                f_OSPLabor.Labor(LabA,  Tier_Flag) +
                ( f_OSPMaterial.Mat(DLCB[PGT], L) +
                 f_OSPLabor.Labor(LabB,  Tier_Flag))* k;
CALC:   rPG_Inv  =  137911.90 + 9241.22 +  ( 156.09 + 2.30 ) * 1164 = 137911.90 + 9241.22 + 184365.96  =  331519.08
        rPG_Inv  := rPG_Inv + f_OSPMaterial.Mat(DLCC[PGT], L) * PerExtend;
CALC:   rPG_Inv  = 331519.08 + 149.35 * 298 = 331519.08 + 44506.30  =  376025.38 (only if 2200 extend cards were originally required)

        rVS_PGain := ( ( f_OSPMaterial.Mat(DLCA[PGT], L) +          // CALCULATES VOLUME SENSITIVE PAIR GAIN INVESTMENT
                  f_OSPLabor.Labor(LabA,  Tier_Flag))/L +           // INVESTMENT FOR SPARE CAPACITY IN THE COMMON EQUIPMENT REMOVED
                 f_OSPMaterial.Mat(DLCB[PGT],L) +
                 f_OSPLabor.Labor(LabB,  Tier_Flag)) * K;
CALC:   rVS_PGain  = [ ( 137911.90 + 9241.22 ) / 1344 +  156.09 + 2.30 ] * 1164 = [ 109.49 + 156.09 + 2.30 ] * 1164  =  311812.32
        rVS_PGain := rVS_PGain + f_OSPMaterial.Mat(DLCC[PGT], L) * PerExtend;
CALC:   rVS_PGain  =  311812.32 + 149.35 * 298  = 3118212.32 + 44506.30  =  356318.62 (only if 2200 extend cards were originally required)
        PartInventory.Write (Sai.Clli, 'F', DLCVar[PGT], L, 1,
                    round(Sai.x[0]/SAI.gridweight), Round(Sai.y[0]));
      end;
```

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CALCULATION OF PAIR GAIN INVESTMENTS

```
    PG_Inv  := PG_Inv + rPG_Inv;                                    // TOTAL PAIR GAIN INVESTMENT CALCULATED
CALC:  PG_Inv  =  529038.63 + 331519.08  =  860557.71 ( extend cards not included )
    VS_PGain := VS_PGain + rVS_PGain;                               // TOTAL VOLUME SENSITIVE PAIR GAIN INVESTMENT CALCULATED
CALC:  PG_Inv  =  529038.63 + 311812.32  = 840850.95  ( extend cards not included )


    OSP_Table.Write(Sai.CLLI, '223200', 'TF'+DLCVar[PGT], 'F', PG_Inv, VS_PGain, PG_Inv - VS_PGain);    // TOTAL PAIR GAIN INVESTMENT
    OSP_Table.Write(Sai.CLLI, '223200', 'RF'+DLCVar[PGT], 'F', PG_Inv   * RDemand / TDemand,            // RESIDENTIAL PAIR GAIN INVESTMENT
                                        VS_PGain * RDemand / TDemand,
                                        (PG_Inv-VS_PGain) * RDemand / TDemand);
    OSP_Table.Write(Sai.CLLI, '223200', 'BF'+DLCVar[PGT], 'F', PG_Inv  * BDemand / TDemand,            // BUSINESS PAIR GAIN INVESTMENT
                                        VS_PGain * BDemand / TDemand,
                                        (PG_Inv-VS_PGain) * BDemand / TDemand);
   end;

  PairGainInvest := PairGain_Cnt;
end;
```

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CALCULATION OF CROSS CONNECT BOX INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of cross connect box investments that are performed by the "XConnInvest" sub-routine in OSPInvest.pas.

The size (demand) and "location" of the cross connect boxes are determined in the spanning routine. When that routine determines the need for a cross connect box, the demand at that node (TD) is passed to this sub-routine for calculating the investment. The spanning routine attempts to place the boxes at least 1500 feet from the wire center or the pair gain locations. It also attempts to keep the size of the box at any location between the minimum and maximum box size. When the demand in the backbone cables for an entire cluster (except the core cluster) does require any cross connect boxes to be placed and the capacity all the backbone cables at the pair gain location exceed the 200 pairs that can be terminated in the pair gain cabinet, the spanning routine changes the input value of the "XCONN_FACTOR" to a "2" to size a box at the pair gain location with a capacity of 1 pair "IN" and and 1 pair "OUT".

Listed below is the labor, material and user option data required for cross connects.

USER OPTION DATA

ITEM	VALUE
X Connect Box Factor	3

LABOR RATES

ITEM		VALUE
LP28A	Place xconnect	149.26
LP28D	Place xconnect pad	249.05
LS02A	Straight splice 1-50 pairs	1.27
LS02B	Straight splice 51-300 pairs	1.02
LS02C	Straight splice plus 300 pairs	0.66
LS20A	Run jumpers at any xconnect	1.11

MATERIAL COSTS

ITEM	VALUE
X Connect Cabinet 400	2702 25
X Connect Cabinet 600	2666 08
X Connect Cabinet 900	3953 7
X Connect Cabinet 1800	6210 69
X Connect Cabinet 2700	8315 97
X Connect Cabinet 3600	10183 05
X Connect Cabinet 5400	16476 19

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CALCULATION OF CROSS CONNECT BOX INVESTMENTS

```
Function XConnInvest(Clli : String; X, Y, TD : Integer) : Double;
 var
  Tmp_Demand  : Longint;                          // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
  Box_Cnt     : Longint;
  S           : Longint;
  SD          : Longint;
  Splices     : Double;
  Inv         : Double;
  rInv        : Double;

 begin
  Inv := 0.0;
  rInv:= 0.0;
  SD := TD * 2;

  {Adjust demand based on the Xconn factor }      // FOR THIS EXAMPLE THE DEMAND (TD) WILL BE 1590 LINES
  Tmp_Demand := round(TD * Asmp.XConn_Factor);    // IF THIS XCONNECT WAS AT THE PAIR GAIN LOCATION, THE CODING IN
CALC:    Tmp_Demand = round ( 1590 * 3 ) = 4770   //THE SPANNING ROUTINE WOULD SET THE Asmp.Xconn_Factor = 2
  S := f_OSPMaterial.MaxSize('XCONN');
CALC:    S = 5400 PAIR XCONN
  if S > 0
   then begin
        { How many cross connect boxes do we need }
        Box_cnt:= Tmp_demand Div S;
CALC:    Box_cnt = 4770 / 5400 = 0          (div truncates the result - just like rounds down)
        if Box_cnt > 0
         then begin                                // SINCE THE ABOVE RESULT IS "0", THE PROGRAM SKIPS TO "else begin"
             Inv := (f_OSPMaterial.Mat('XCONN', s)+
                  f_OSPLabor.Labor('LP28A', Tier_Flag) +
                  f_OSPLabor.Labor('LP28D', Tier_Flag)) * Box_cnt;
```

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CALCULATION OF CROSS CONNECT BOX INVESTMENTS

```
            // Splicing   2 X demand
            Splices := S * 2.0/Asmp.XConn_Factor * Box_cnt;
            Case SD of
              1..50 : Inv := Inv + f_OSPLabor.Labor('LS02A', Tier_Flag) * Splices;
             51..300 : Inv := Inv + f_OSPLabor.Labor('LS02B', Tier_Flag) * Splices;
               else   Inv := Inv + f_OSPLabor.Labor('LS02C', Tier_Flag) * Splices;
            end;
            // Jumpers  1 X demand
            Splices := S /Asmp.XConn_Factor * Box_cnt;
            Inv := Inv + f_OSPLabor.Labor('LS20A', Tier_Flag) * Splices;

            Tmp_Demand := Tmp_Demand - (S * Box_cnt);
            PartInventory.Write (Clli, 'F', 'XCONN', S, Box_cnt, X, Y);
          end;
      end
   else begin                                                    // THE PROGRAM SKIPS TO HERE
      MessageDlg('Cross connect boxes not available', mterror, [mbOk], 0);
      exit;
      end;
  if Tmp_Demand > 0                                              // SINCE Temp_Demand IS STILL 4770 > 0
   then begin
      s  := round(f_OSPMaterial.FindSize('XCONN', Tmp_Demand));
CALC:    s  =  round(5400)  =  5400 Pair Xconn Box ( smallest box that is larger than the temporary demand )
      rInv := f_OSPMaterial.Mat('XCONN', s)+
           f_OSPLabor.Labor('LP28A', Tier_Flag) +
           f_OSPLabor.Labor('LP28D', Tier_Flag);
CALC:   rInv  =  16476.19 + 149.26 + 249.05  =  16874.50
      // Splicing   2 X demand
      Splices := Tmp_Demand * 2.0/Asmp.XConn_Factor;
CALC:   Splices  =  4770 * 2 / 3  =  3180
```

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CALCULATION OF CROSS CONNECT BOX INVESTMENTS

```
        Case SD of
          1..50 : rInv := rInv + f_OSPLabor.Labor('LS02A', Tier_Flag) * Splices;
         51..300 : rInv := rInv + f_OSPLabor.Labor('LS02B', Tier_Flag) * Splices;
           else   rInv := rInv + f_OSPLabor.Labor('LS02C', Tier_Flag) * Splices;
CALC:   rInv  =  16874.50 +  .66 * 3180  =  18973.30
        end;
        // Jumpers  1 X demand
        Splices := Tmp_Demand /Asmp.XConn_Factor;
CALC:   Splices  =  4770  / 3  =  1590
        rInv := rInv + f_OSPLabor.Labor('LS20A', Tier_Flag) * Splices;
CALC:   rInv  =  18973.30 + 1.11 * 1590  =  20738.20
        PartInventory.Write (Clli, 'F', 'XCONN', S, 1, X, Y);
       end;

  Result := Inv + rInv;
end;
```

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CALCULATION OF AERIAL COPPER CABLE INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of aerial copper cable investments that are performed by the "Place_CU_Aerial" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires aerial copper cable, in addition to calling the pole sub-routine, it also calls the aerial copper cable sub-routine to calculate the cable investment required.

The aerial copper cable sub-routine determines the size of the cable required based on the demand and whether it is used for feeder or distribution. If it is feeder, the demand is multiplied by the Engineering_Feeder Factor for sizing the cables. If it is distribution, the demand is multiplied by the Engineering_ Distribution Factor for sizing the cables. The result of this multiplication is called the temporary demand and the size of the cable is the smallest cable that exceeds this temporary demand. If the temporary demand is larger than the largest aerial cable available, it is divided by the size of the largest cable to determine how many full size cables are required and the remaining demand is used to size another cable. The length of cable required is the length of the ARC.

Listed below is the labor, material and user option data required for aerial copper cables.

USER OPTION DATA

ITEM	VALUE
Engineering Feeder Factor	1.06
Engineering Distribution Factor	2.2
Aerial Copper span between splices	413
Engineering Administration Fill	0.98

LABOR RATES

ITEM		VALUE
LP18A:	Place Strand	0.3
LP22A:	Place aerial cable	0.38
LS02A:	Straight Splice (1-50 pairs)	1.27
LS02B:	Straight Splice (51-300 pairs)	1.02
LS02C:	Straight Splice (>300 pairs)	0.66

MATERIAL COSTS

ITEM		VALUE
STRAND	Strand / Lashig	0.00
CUAER24	Copper 25 pair Aerial	0.52
CUAER24	Copper 50 pair Aerial	0.93
CUAER24	Copper 100 pair Aerial	1.65
CUAER24	Copper 200 pair Aerial	3.12
CUAER24	Copper 300 pair Aerial	4.55
CUAER24	Copper 400 pair Aerial	5.51
CUAER24	Copper 600 pair Aerial	9
CUAER24	Copper 900 pair Aerial	13.28

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CALCULATION OF AERIAL COPPER CABLE INVESTMENTS

```
Function Place_CU_Aerial(Clli : String; ArcType, Xpos, Ypos : integer;
                         Length, Demand : Longint; UFill : Double) : Double;

{ This subroutine calculates the investments for placing aerial copper cables

Labor activity codes: (used in Place_CU_Aerial)
LP18A:    Place Strand (all sizes)
LP22A:    Place aerial cable (all types/sizes)
LS02A:    Straight Splice (1-50 pairs)
LS02B:    Straight Splice (51-300 pairs)
LS02C:    Straight Splice (>300 pairs)
}

 Var                                                    // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
   Inv, C_Inv, rC_Inv, pf  : Double;
   CS, PairCnt, tmp_Demand : LongInt;
   Total_Splices           : LongInt;
   SCable                  : String[15];

 begin                     // set initial values         // VARIABLES ARE INITIALIZED
   Inv     := 0.0;         // strand and placing investment
   C_Inv   := 0.0;         // total / maximum size cable investment
   rC_Inv  := 0.0;         // less than maximum size cable investment
   pf      := 0.0;         // pair feet
   PairCnt := 0;           // pair count
   Cable_Cnt:= 0;          // number of cables

   Case ArcType of                                      // SETS THE OSPType FOR EACH TYPE OF ARC
     0 : OSPType := 'I';
     1 : OSPType := 'F';
   2,3 : OSPType := DM_ICM.t_Arcs.FieldByName('OSP Type').AsString;
     4 : OSPType := 'D';
   end;
```

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CALCULATION OF AERIAL COPPER CABLE INVESTMENTS

```
{This section sets the gauge required for the distribution cables to 24 gauge
when the 18 KFT option is selected by the user.}
if (ArcType > 1) and (CUGA = 24)                                    // SETS THE GAUGE OF COPPER CABLE FOR THE SELECTED [illegible]N OPTION
 then SCable := 'CuAer24'
 else SCable := 'CuAer26';

{test to see if there is a demand and length for aerial copper cable placement}
if (Demand < 1) or (Length < 1) then begin                          // EXCLUDES ANY ARC THAT DOES NOT HAVE A DEMAND AND LENGTH
  Result := 0;
  exit;   // if not, then exit
  monitor.LogEvent(mFUNC,'Place_Cu_Aerial',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
                ','+IntToStr(Length)+','+IntToStr(demand)+
                ','+FloatToStr(UFill)+'=0 (Demand<1, Length<1)');
end;
                                                                    // DEVELOPS THE TEMPORARY DEMAND DEPENDING ON THE TYPE OF ARC
{This section determines the temporary demands for sizing the copper cables}   // AND THE OSPType - EXAMPLE - DEMAND = 500
case ArcType  of
   1 : tmp_demand := Round(Demand * Asmp.Engineering_Feeder);        // feeder
CALC:    tmp_demand  =  500 * 1.06  =  530
   2,3 : if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'
        then tmp_demand := Round(Demand * Asmp.Engineering_Dist)     // distribution
CALC:    tmp_demand  =  500 * 2.2  =  1100
        else tmp_demand := Round(Demand * Asmp.Engineering_Feeder);  // feeder
CALC:    tmp_demand  =  500 * 1.06  =  530
   4 : tmp_demand := Round(Demand * Asmp.Engineering_Dist);          // distribution
CALC:    tmp_demand  =  500 * 2.2  =  1100
  else tmp_demand := Demand;                                        // all other
CALC:    tmp_demand  =  500
  end;
```

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CALCULATION OF AERIAL COPPER CABLE INVESTMENTS

```
{This section determines if the demand requires the largest cable size          // FOR THE FOLLOWING SAMPLE CALCULATIONS THE tmp_demand = 540
and if so how many.}                                                                  // AND THE Length = 400 feet
CS := f_OSPMaterial.MaxSize(SCable);  // get largest aerial copper cable in the material file
CALC:   CS = 900  ( 900 pairs is the largest aerial cable in the material file )
 if CS > 0    // check for positive value as precaution
  then begin
     {How many maximum size cables do we need to meet the temporary demand}
     cable_cnt:= Trunc(tmp_demand/(CS*Asmp.ADMNFILL));
CALC:   cable_cnt = Trunc ( 530 / 900 ) = 0        ( the Trunc function drops all decimal points )
     if cable_cnt > 0    // at least one maximum size cable is required
      then begin                                                          // Since cable_cnt = 0, this section is skipped
          PairCnt := PairCnt + CS * cable_cnt;
          C_Inv     := f_OSPMaterial.Mat(SCable, CS) * Length * cable_cnt;
          pf        := pf + cable_cnt * Length * CS;
          tmp_demand := tmp_demand - round(cable_cnt * CS * Asmp.ADMNFILL);
          {Write information on the aerial copper to the Inventory
          File.  When a full size cable is placed the segment
          number is written as a negative to the inventory file.
          A positive segment number is used for the smaller cables.}
          PartInventory.Write (Clli, OSPType[1], SCable, CS, Length*cable_Cnt, Xpos, Ypos);
         end;
    end
   else begin    // display error if no aerial copper cable in the material file
      MessageDlg('Copper Aerial not available', mterror, [mbOk], 0);
    //   Monitor.LogEvent(mERROR,'Place_CU_Aerial','****'+Clli+' Copper Aerial not available');
      Result := 0.0;
      exit;
     end;
```

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CALCULATION OF AERIAL COPPER CABLE INVESTMENTS

```
    if tmp_Demand > 0                                          // THE tmp_Demand IS 530
     then begin                                                // Assume the length is 400 feet.
          {This section develops the investments for aerial cables when
          maximum size cables are not required or the remaining temporary
          demand after the demand cared for by the maximum cables placed
          in the above section has been subtracted.}
          CS    := f_OSPMaterial.FindSize(SCable, round(tmp_Demand/Asmp.ADMNFILL));
CALC:     CS = round ( 530 / .98 ) = 541 = 600      A 600 PAIR CABLE WILL BE SELECTED
          Inc(Cable_cnt);    // increment cable count to include all maximum size cables
CALC:     Inc(Cable_Cnt) adds 1 to the cable_cnt which was set at 0.00   0 + 1 = 1
          PairCnt:= PairCnt + CS;
CALC:     PairCnt = 0 + 600 = 600
          rC_Inv := f_OSPMaterial.Mat(SCable, CS) * Length;
CALC:     rC_Inv = 9.00 * 400 = 3600.00
          pf    := pf + CS * Length;
CALC:     pf = 0.00 + 600 * 400 = 240000
          {Write information on the aerial copper to the Inventory File.}
          PartInventory.Write (Clli, OSPType[1], SCable, CS, Length, Xpos, Ypos);
         end;

  C_Inv := C_Inv + rC_Inv;          // total investment (max + less than max size cables)
CALC:     C_Inv = 0.00 + 3600.00 = 3600.00

  { This section calculates the number of splices (in pairs) required.}
  { The feeder splicing is based on the total number of pairs to be spliced.}
  Splice_Pts := Round(length/Asmp.Aer_Cu_Span);
CALC:     Splice_Pts = Round ( 400 / 413 ) = 0
  if Splice_Pts = 0 then Splice_Pts := 1;
  Total_Splices := PairCnt * Splice_Pts;
CALC:     Total_Splices = 600 * 1 = 600
```

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CALCULATION OF AERIAL COPPER CABLE INVESTMENTS

```
  {The labor rate for splicing varies by the number of pairs being spliced.}
  Case PairCnt of
    1..50 : C_Inv := C_Inv + f_OSPLabor.Labor('LS02A', Tier_Flag) * Total_Splices;
   51..300 : C_Inv := C_Inv + f_OSPLabor.Labor('LS02B', Tier_Flag) * Total_Splices;
     else  C_Inv := C_Inv + f_OSPLabor.Labor('LS02C', Tier_Flag) * Total_Splices;
CALC:    C_Inv  =  3600.00 + .66 * 600  =  3600.00 + 396.00  =  3996.00
  end;
 {-----------------------}

  {Calculate the investment for strand and the labor for placing the strand
  and cable.  This investment is kept separate from the cable investment
  until after the user fill option. A strand is placed for each cable because
  multiple cables are only placed when maximum size cables are involved and
  only 1 maximum size cable per strand.}
  {Strand added to the cost calculation-- September 4 }
  Inv    := Inv + (f_OSPMaterial.Mat('STRAND',1)+
              f_OSPLabor.Labor('LP18A', Tier_Flag)+
              f_OSPLabor.Labor('LP22A', Tier_Flag))* Length * Cable_Cnt;
CALC:    Inv  =  0.00 + ( 0.00 + .30 + .38 ) * 400 * 1  =  0.68 * 400  =  272
  {Write information on the strand to the Inventory File. }
  PartInventory.Write (Clli, OSPType[1], 'STRAND', 1, Length * Cable_Cnt, Xpos, Ypos);

   {This section is activated when the user clicks on the "User Fill Option"
   and specifies the fills for the feeder and distribution that they want used. }
   if Asmp.UserFill and (pf > 0.0) and (Ufill > 0.00001)
    then begin                                                    // If the "User Fill Option" was selected these calculations would be made.
        {cable investment is adjusted base on the ratio of the actual and user fill factors}   // assume a user fill of 80% was selected.
        C_Inv := C_Inv * ((Demand * Length / pf) / UFill);
CALC:    C_Inv  =  3996.00 * (( 500 * 400 / 240000 ) / .80 )  =  4162.50   // If the "User Fill Option" was selected this value would replace the $2758.00
        {Capacity pair feet is calculated base on the user fill factor}
        pf    := (Demand * Length) / UFill;
CALC:    pf  =  ( 500 * 400 ) / .8  =  250000                     // If the "User Fill Option" was selected this value would replace the 240000
       end;
```

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CALCULATION OF AERIAL COPPER CABLE INVESTMENTS

```
  Pair_Ft_Cap:= Pair_Ft_Cap + pf;    // pair feet of cable placed (pair_ft_cap)
CALC:    Pair_Ft_Cap  =  0.00 + 240000  =  240000
  Pair_Ft_Utl:= Pair_Ft_Utl + Demand * Length;      // pair feet of cable utilized (pair_ft_utl)
CALC:    Pair_Ft_Utl  =  0.00 + 200000  =  200000

  {Combine the cable and splicing investment (C_Inv) with the strand and
  placing investment (Inv) to get total investment for aerial copper cable. }
  Result := Inv + C_Inv;
CALC:    Result  =  272.00 +  3996.00  =  4268.00

  Monitor.LogEvent(mFUNC,'Place_CU_Aerial',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
            ','+IntToStr(Length)+','+IntToStr(demand)+
            ','+FloatToStr(UFill)+'='+FloatToStr(Result));
end;      // END Place_CU_Aerial function
```

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CALCULATION OF BURIED COPPER CABLE INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of buried copper cable investments that are performed by the "Place_CU_Buried" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires buried copper cable, in addition to calling the trenching sub-routine, it also calls the buried copper cable sub-routine to calculate the cable investment required.

The buried copper cable sub-routine determines the size of the cable required based on the demand and whether it is used for feeder or distribution. If it is feeder, the demand is multiplied by the Engineering_Feeder Factor for sizing the cables. If it is distribution, the demand is multiplied by the Engineering_ Distribution Factor for sizing the cables. The result of this multiplication is called the temporary demand and the size of the cable is the smallest cable that exceeds this temporary demand. If the temporary demand is larger than the largest aerial cable available, it is divided by the size of the largest cable to determine how many full size cables are required and the remaining demand is used to size another cable. The length of cable required is the length of the ARC.

Listed below is the labor, material and user option data required for buried copper cables.

USER OPTION DATA

ITEM	VALUE
Engineering Feeder Factor	1.06
Engineering Distribution Factor	2.2
Buried Copper span between splices	334
Engineering Administration Fill	0.98

LABOR RATES

ITEM		VALUE
LP49B:	Place additional cable/duct	0.55
LP73A:	Splice Pit	145.39
LS02A:	Straight Splice (1-50 pairs)	1.27
LS02B:	Straight Splice (51-300 pairs)	1.02
LS02C:	Straight Splice (>300 pairs)	0.66

MATERIAL COSTS

ITEM		VALUE
CUBUR24	Copper 25 pair Buried	0 58
CUBUR24	Copper 50 pair Buried	1
CUBUR24	Copper 100 pair Buried	1 72
CUBUR24	Copper 200 pair Buried	3 17
CUBUR24	Copper 300 pair Buried	4 58
CUBUR24	Copper 400 pair Buried	6 11
CUBUR24	Copper 600 pair Buried	9 38
CUBUR24	Copper 900 pair Buried	14 03

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CALCULATION OF BURIED COPPER CABLE INVESTMENTS

```
Function Place_CU_Buried(Clli : String; ArcType, Xpos, Ypos : integer;
                         Length, Demand : Longint; UFill : Double) : Double;

{ This subroutine calculates the investment for placing buried copper cables

Labor activity codes: (used in Place_CU_Buried)
LP49B:   Place additional cable/duct
LP73A:   Splice Pit
LS02A:   Straight Splice (1-50 pairs)
LS02B:   Straight Splice (51-300 pairs)
LS02C:   Straight Splice (>300 pairs)
}

 Var
  Inv, C_Inv, rC_Inv, pf : Double;                    // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
  CS, PairCnt, tmp_Demand : LongInt;
  Total_Splices          : LongInt;     // number of splices (distrib or feeder)
  SCable                 : String[15];  // type and gauge of cable

 begin       // set initial values                     // VARIABLES ARE INITIALIZED
  Inv     := 0.0;       // strand and placing investment
  C_Inv   := 0.0;       // cable investment for max size cable
  rC_Inv  := 0.0;       // cable investment for less than max size cable
  pf      := 0.0;       // pair feet
  PairCnt := 0;         // number of pair
  Cable_Cnt:= 0;        // number of cables

  Case ArcType of                                    // SETS THE OSPType FOR EACH TYPE OF ARC
    0 : OSPType := 'I';
    1 : OSPType := 'F';
  2,3 : OSPType := DM_ICM.t_Arcs.FieldByName('OSP Type').AsString;
    4 : OSPType := 'D';
  end;
```

CALCULATION OF BURIED COPPER CABLE INVESTMENTS

```
{This section sets the gauge required for the distribution cables to 24 when
the 18 KFT option is selected by the user.}
if (ArcType > 1) and (CUGA = 24)                    // SETS THE GAUGE OF COPPER CABLE FOR THE SELECTED RUN OPTION
 then SCable := 'CuBur24'
 else SCable := 'CuBur26';

{Test to see if there is a demand and length for buried copper placement}
if (Demand < 1) or (Length < 1) then begin          // EXCLUDES ANY ARC THAT DOES NOT HAVE A DEMAND AND LENGTH
  Result := 0;
  exit;   // if not, then exit
  monitor.LogEvent(mFUNC,'Place_Cu_Buried',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
              ','+IntToStr(Length)+','+IntToStr(demand)+
              ','+FloatToStr(UFill)+'=0 (Demand<1, Length<1)');
end;
                                                    // DEVELOPS THE TEMPORARY DEMAND DEPENDING ON THE TYPE OF ARC
{This section determines the temporary demands for sizing the copper cables}   // AND THE OSPType - EXAMPLE - DEMAND = 500
case ArcType  of
   1 : tmp_demand := Round(Demand * Asmp.Engineering_Feeder);        // feeder
CALC:    tmp_demand  =  500 * 1.06  =  530
 2,3 : if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'
       then tmp_demand := Round(Demand * Asmp.Engineering_Dist)      // distribution
CALC:    tmp_demand  =  500 * 2.2  =  1100
       else tmp_demand := Round(Demand * Asmp.Engineering_Feeder);  // feeder
CALC:    tmp_demand  =  500 * 1.06  =  530
   4 : tmp_demand := Round(Demand * Asmp.Engineering_Dist);          // distribution
CALC:    tmp_demand  =  500 * 2.2  =  1100
  else tmp_demand := Demand;                                        // all other
CALC:    tmp_demand  =  500
  end;
```

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CALCULATION OF BURIED COPPER CABLE INVESTMENTS

```
  {This section determines if the demand requires the largest cable size and     // FOR THE FOLLOWING SAMPLE CALCULATIONS THE tmp_demand = 530
  if so, how many. }                                                                  // AND THE Length = 900 feet
  CS := f_OSPMaterial.MaxSize(SCable); // largest buried copper cable in material file
CALC:    CS  =  900  ( 900 pairs is the largest buried cable in the material file )
  if CS > 0    // check for max cable found as precaution
   then begin
       {determine how many max size cables required to meet the
       temporary demand }
       cable_cnt:= Trunc(tmp_demand/(CS*Asmp.ADMNFILL));
CALC:    cable_cnt  =  Trunc ( 530 / 900 )  =  0        ( the Trunc function drops all decimal points )
       if cable_cnt > 0  // are there any max size cables required?
        then begin                                                    // Since cable_cnt = 0, this section is skipped
            {One max size cable is required so calculate using the
            max size cable count, the max size cable investment, the
            pair count, the pair feet, and the temporary demand for
            cables that are less than the max size.  Write the
            information on the buried copper cable to the inventory
            file (when a full size cable is placed the segment number
            is written as a negative to the inventory file.  A
            positive segment number is used for the smaller cables.) }
            C_Inv  := f_OSPMaterial.Mat(SCable, CS) *
                  Length * cable_cnt;
            PairCnt := PairCnt + CS * Cable_Cnt;
            pf     := pf + cable_cnt * Length * CS;
            tmp_demand := tmp_demand - round(cable_cnt * CS * Asmp.ADMNFILL);
            PartInventory.Write (Clli, OSPType[1], SCable, CS, Cable_Cnt*Length, Xpos, Ypos);
           end;
      end
    else begin
       {no max size cables were found in the material file, so display
       an error message }
       MessageDlg('Copper Buried not available', mterror, [mbOk], 0);
       Result:= 0.0;
       Monitor.LogEvent(mERROR,'Place_CU_Buried','****'+Clli+' Copper Buried not available');
       exit;
      end;
```

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CALCULATION OF BURIED COPPER CABLE INVESTMENTS

```
{This section develops the investments for buried cables when max size cables
are not required or the temporary demand after the demand cared for by the
max cables placed, in the above section, has been subtracted. }
if tmp_Demand > 0                                                    // THE tmp_Demand IS 540
 then begin
      CS := f_OSPMaterial.FindSize(SCable, round(tmp_Demand/Asmp.ADMNFILL));
CALC:   CS  =  round ( 530 / .98 )  =  541 = 600      A 600 PAIR CABLE WILL BE SELECTED
      Inc (Cable_Cnt);
CALC:   Inc(Cable_Cnt) adds 1 to the cable_cnt which was set at 0.00   0 + 1 = 1
      PairCnt := PairCnt + CS;
CALC:   PairCnt  =  0  +  600  =  600
      rC_Inv := f_OSPMaterial.Mat(SCable, CS) * Length;
CALC:   rC_Inv  =  9.38 *  900  =   8442.00
      pf   := pf + CS * Length;
CALC:   pf  =  0.00  +  600 * 900  =  540000
      PartInventory.Write (Clli, OSPType[1], SCable, CS, Length, Xpos, Ypos);
     end;

 {calculate total (material) investment using investment for max size
 cables and the investment for less than max size cables }
 C_Inv := C_Inv + rC_Inv;
CALC:   C_Inv  = 0.00  +  8442.00  =  8442.00

 Splice_Pts := Round(length/Asmp.Bur_Cu_Span);
CALC:   Splice_Pts  =  Round ( 900 / 334 )  =  Round ( 2.6946 )  =  3
 if Splice_Pts = 0 then Splice_Pts := 1;

 if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'F'     // If The ARC is feeder, then the investment for splice pits must be added. For
  {Add the investment for splice pits since the cable being processed     // distribution ARCs, the splicing is assumed to be in the pedestals.
  is not a distribution cable. }
  then Inv := Inv + f_OSPLabor.Labor('LP73A',  Tier_Flag) * Splice_Pts;
CALC:   Inv  =  145.39 * 3  =  436.17
 Total_Splices := PairCnt * Splice_Pts;
CALC:   Total_Splices  =  600  *  3  =  1800
```

CALCULATION OF BURIED COPPER CABLE INVESTMENTS

```
  {The labor rate for splicing varies by the number of pairs being spliced.}
  Case PairCnt of
    1..50 : C_Inv := C_Inv + f_OSPLabor.Labor('LS02A', Tier_Flag) * Total_Splices;
   51..300 : C_Inv := C_Inv + f_OSPLabor.Labor('LS02B', Tier_Flag) * Total_Splices;
     else  C_Inv := C_Inv + f_OSPLabor.Labor('LS02C', Tier_Flag) * Total_Splices;
CALC:    C_Inv  =  8442.00 + .66 * 1800  =  8442.00 + 1188.00  =  9630.00
  end;
 {-----------------------}

   {if user wants to use a specific fill factor }
   if Asmp.UserFill and (pf > 0.0) and (Ufill > 0.00001)
     then begin                                                    // If the "User Fill Option" was selected these calculations would be made.
          {cable investment is adjusted base on the ratio of the actual and user fill factors}          // assume a user fill of 80% was selected.
          C_Inv := C_Inv * ((Demand * Length / pf) / UFill);
CALC:     C_Inv  =  9630.00 * (( 500 * 900 / 540000 ) / .80 )  =  10031.25      // If the "User Fill Option" was selected this value would replace the $5985.00
          {Capacity pair feet is calculated base on the user fill factor}
          pf    := (Demand * Length) / UFill;
CALC:     pf  =  ( 500 * 900 ) / .8  =  562500                          // If the "User Fill Option" was selected this value would replace the 540000
        end;

   if Cable_Cnt > 1
     {more than one cable is being placed so add additional labor to     // The cable count is 1, therefore no additional investment is required.
     investment dependant on the cable count }
     then C_Inv := C_Inv + f_OSPLabor.Labor('LP49B', Tier_Flag) * (Cable_Cnt-1) * Length;

   Pair_Ft_Cap:= Pair_Ft_Cap + pf;      // pair feet of cable placed (pair_ft_cap)
CALC:    Pair_Ft_Cap  =  0.00 + 540000  =  540000
   Pair_Ft_Utl:= Pair_Ft_Utl + Demand * Length; // pair feet of cable utilized (pair_ft_utl)
CALC:    Pair_Ft_Utl  =  0.00 + 500 * 900  =  450000
```

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CALCULATION OF BURIED COPPER CABLE INVESTMENTS

```
    {calculate the returned buried copper cable investment value using the
    cable and splicing investment (C_Inv) and the strand and placing investment
    (Inv) }
    Result := Inv + C_Inv;
CALC:   Result = 436.17 + 9630.00 = 10066.17

    Monitor.LogEvent(mFUNC,'Place_CU_Buried',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
              ','+IntToStr(Length)+','+IntToStr(demand)+
              ','+FloatToStr(UFill)+'='+FloatToStr(Result));

 end;   // END Place_CU_Buried function
```

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CALCULATION OF UNDERGROUND COPPER CABLE INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of underground copper cable investments that are performed by the "Place_CU_UndGnd" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires underground copper cable, in addition to calling the conduit sub-routine, it also calls the underground copper cable sub-routine to calculate the cable investment required.

The underground copper cable sub-routine determines the size of the cable required based on the demand and whether it is used for feeder or distribution. If it is feeder, the demand is multiplied by the Engineering_Feeder Factor for sizing the cables. If it is distribution, the demand is multiplied by the Engineering_Distribution Factor for sizing the cables. The result of this multiplication is called the temporary demand and the size of the cable is the smallest cable that exceeds this temporary demand. If the temporary demand is larger than the largest aerial cable available, it is divided by the size of the largest cable to determine how many full size cables are required and the remaining demand is used to size another cable. The number of underground cables required is passed to the conduit sub-routine for sizing the conduit. The length of cable required is the length of the ARC.

Listed below is the labor, material and user option data required for underground copper cables.

USER OPTION DATA

ITEM	VALUE
Engineering Feeder Factor	1.06
Engineering Distribution Factor	2.2
Manhole Spacing	750
Engineering Administration Fill	0.98

LABOR RATES

ITEM		VALUE
LP43A:	Place copper cable in conduit	0.67
LS72A:	Manhole setup	108.46
LS02A:	Straight Splice (1-50 pairs)	1.27
LS02B:	Straight Splice (51-300 pairs)	1.02
LS02C:	Straight Splice (>300 pairs)	0.66

MATERIAL COSTS

ITEM		VALUE
CUUND24	Copper 25 pair Underground	0.55
CUUND24	Copper 50 pair Underground	0.95
CUUND24	Copper 100 pair Underground	1.64
CUUND24	Copper 200 pair Underground	3.02
CUUND24	Copper 300 pair Underground	4.35
CUUND24	Copper 400 pair Underground	5.81
CUUND24	Copper 600 pair Underground	8.92
CUUND24	Copper 900 pair Underground	13.34
CUUND24	Copper 1200 pair Underground	17.6
CUUND24	Copper 1500 pair Underground	22.09
CUUND24	Copper 1800 pair Underground	25.07
CUUND24	Copper 2100 pair Underground	32.8

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CALCULATION OF UNDERGROUND COPPER CABLE INVESTMENTS

```
Function Place_CU_UndGnd(Clli : String; ArcType, Xpos, Ypos : integer;
                         Length, Demand : Longint; UFill : Double) : Double;

{ This subroutine calculates the investments for placing underground copper cables

Labor activity codes: (used in Place_CU_UndGnd)
LP43A:      Place copper cable in conduit
LS02A:      Straight Splice (1-50 pairs)
LS02B:      Straight Splice (51-300 pairs)
LS02C:      Straight Splice (>300 pairs)
LS72A:      Manhole setup
}

 Var                                                    // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
  Inv, C_Inv, rC_Inv, pf  : Double;
  CS, PairCnt, tmp_Demand : LongInt;
  Total_Splices           : Longint;
  SCable                  : String[15];

 begin                   // set initial values             // VARIABLES ARE INITIALIZED
  Inv     := 0.0;        // placing investment
  C_Inv   := 0.0;        // cable and splicing investment
  rC_Inv  := 0.0;        // less than max size cable investment
  pf      := 0.0;        // pair feet
  PairCnt := 0;          // number of pair
  Cable_Cnt:= 0;         // number of cables

  Case ArcType of                                       // SETS THE OSPType FOR EACH TYPE OF ARC
    0 : OSPType := 'I';
    1 : OSPType := 'F';
  2,3 : OSPType := DM_ICM.t_Arcs.FieldByName('OSP Type').AsString;
    4 : OSPType := 'D';
  end;
```

CALCULATION OF UNDERGROUND COPPER CABLE INVESTMENTS

```
{This section sets the gauge required for the distribution cables to 24 when
the 18 KFT option is selected by the user.
if (ArcType > 1) and (CUGA = 24)                          // SETS THE GAUGE OF COPPER CABLE FOR THE SELECTED RUN OPTION
 then SCable := 'CuUnd24'
 else SCable := 'CuUnd26';

{test to see if there is a demand and length for underground copper
cable placement}
if (Demand < 1) or (Length < 1) then begin                // EXCLUDES ANY ARC THAT DOES NOT HAVE A DEMAND AND LENGTH
  Result := 0;
  exit;   // if not, then exit
  monitor.LogEvent(mFUNC,'Place_Cu_UndGnd',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
              ','+IntToStr(Length)+','+IntToStr(demand)+
              ','+FloatToStr(UFill)+'=0 (Demand<1, Length<1)');
end;
                                                          // DEVELOPS THE TEMPORARY DEMAND DEPENDING ON THE TYPE OF ARC
{This section determines the temporary demands for sizing the copper cables}      // AND THE OSPType - EXAMPLE - DEMAND = 500
case ArcType  of
   1 : tmp_demand := Round(Demand * Asmp.Engineering_Feeder);        // feeder
CALC:    tmp_demand  =  500 * 1.06  =  530
  2,3 : if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'
        then tmp_demand := Round(Demand * Asmp.Engineering_Dist)     // distribution
CALC:    tmp_demand  =  500 * 2.2  =  1100
        else tmp_demand := Round(Demand * Asmp.Engineering_Feeder);  // feeder
CALC:    tmp_demand  =  500 * 1.06  =  530
   4 : tmp_demand := Round(Demand * Asmp.Engineering_Dist);          // distribution
CALC:    tmp_demand  =  500 * 2.2  =  1100
  else tmp_demand := Demand;                                       // all other
CALC:    tmp_demand  =  500
  end;
```

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CALCULATION OF UNDERGROUND COPPER CABLE INVESTMENTS

```
  {This section determines if the demand requires the largest cable size and     // FOR THE FOLLOWING SAMPLE CALCULATIONS THE tmp_demand = 530
  if so, how many. }                                                                    // AND THE Length = 1500 feet
  CS := f_OSPMaterial.MaxSize(SCable);  // largest underground copper cable in material file
CALC:    CS  =  2100  ( 2100 pairs is the largest 24 gauge underground cable in the material file )
  if CS > 0       // check for max cable found as precaution
   then begin
        { determine how many max size cables required to meet the
        temporary demand}
        cable_cnt:= Trunc(tmp_demand/(CS*Asmp.ADMNFILL));
CALC:    cable_cnt  =  Trunc ( 530 / 2100 )  =  0          ( the Trunc function drops all decimal points )
        if cable_cnt > 0  // are there any max size cables required?
         then begin                                                                 // Since cable_cnt = 0, this section is skipped
             {One max size cable is required so calculate using the
             max size cable count, the max size cable investment, the
             pair count, the pair feet, and the temporary demand for
             cables that are less than the max size.  Write the
             information on the underground copper cable to the
             inventory file (when a full size cable is placed the
             segment number is written as a negative to the inventory
             file.  A positive segment number is used for the smaller
             cables.) }
             C_Inv      := f_OSPMaterial.Mat(SCable, CS) *
                        Length * cable_cnt;
             PairCnt:= PairCnt + CS * cable_cnt;
             pf         := pf + cable_cnt * Length * CS;
             tmp_demand := tmp_demand - round(cable_cnt * CS * Asmp.ADMNFILL);
             PartInventory.Write (Clli, OSPType[1], SCable, CS, Cable_Cnt*Length, Xpos, Ypos);
            end;
       end
    else begin
        {no max size cables were found in the material file, so display
        an error message }
        MessageDlg('Copper undergound not available', mterror, [mbOk], 0);
        Result := 0.0;
        Monitor.LogEvent(mERROR,'Place_CU_UndGnd','****'+Clli+' Copper Underground not available');
        exit;
       end;
```

CALCULATION OF UNDERGROUND COPPER CABLE INVESTMENTS

```
{This section develops the investments for underground cables when max
size cables are not required or the temporary demand after the demand
cared for by the max cables placed, in the above section, has been
subtracted. }
if tmp_Demand > 0                                          // THE tmp_Demand IS 530
 then begin
      CS    := f_OSPMaterial.FindSize(SCable, round(tmp_Demand/Asmp.ADMNFILL));
CALC:  CS  =  round ( 530 / .98 )  =  541 = 600      A 600 PAIR CABLE WILL BE SELECTED
      Inc (Cable_Cnt);
CALC:  Inc(Cable_Cnt) adds 1 to the cable_cnt which was set at 0.00   0 + 1 = 1
      PairCnt:= PairCnt + CS;
CALC:  PairCnt  =  0  +  600  =  600
      rC_Inv := f_OSPMaterial.Mat(SCable, CS) * Length;
CALC:  rC_Inv  =  8.92 *  1500  =  13380.00
      pf    := pf + CS * Length;
CALC:  pf  =  0.00  +  600 * 1500  =  900000
      PartInventory.Write (Clli, OSPType[1], SCable, CS, Length, Xpos, Ypos);
     end;

{calculate total (material) investment using investment for max size
cables and the investment for less than max size cables }
C_Inv := C_Inv + rC_Inv;
CALC:  C_Inv  = 0.00  +  13380.00  =  13380.00

{calculate the investment for placing underground cable using the labor
for placing copper cable in a conduit }
Inv := Inv + f_OSPLabor.Labor('LP43A',  Tier_Flag) * Length * Cable_Cnt;
CALC:  Inv  =  0.00  +  0.67  *  1500  *  1  =  1005.00
{when underground cable is being placed, the investment for
 manhole site setup is added for each manhole }

Splice_Pts := Round(length/Asmp.Manhole_Spacing);
CALC:  Splice_Pts  =  Round ( 1500 / 750 )  =  Round ( 2.000 )  =  2
if Splice_Pts = 0 then Splice_Pts := 1;
```

CALCULATION OF UNDERGROUND COPPER CABLE INVESTMENTS

```
   Inv := Inv + f_OSPLabor.Labor('LS72A',  Tier_Flag) * Splice_Pts;
CALC:    Inv  =  1005.00  +  108.46  *  2   =  1221.92

   {calculate the number of splices required }
   Total_Splices := PairCnt * Splice_Pts;
CALC:    Total_Splices  =  600  *  2  =  1200

  {The labor rate for splicing varies by the number of pairs being spliced.}
  Case PairCnt of
    1..50 : C_Inv := C_Inv + f_OSPLabor.Labor('LS02A', Tier_Flag) * Total_Splices;
   51..300 : C_Inv := C_Inv + f_OSPLabor.Labor('LS02B', Tier_Flag) * Total_Splices;
     else   C_Inv := C_Inv + f_OSPLabor.Labor('LS02C', Tier_Flag) * Total_Splices;
CALC:    C_Inv  =  13380.00 + .66 * 1200  =  13380.00 + 792.00  =  14172.00
  end;
 {------------------------}

  { if user wants to use a specific fill factor }
   if Asmp.UserFill and (pf > 0.0) and (Ufill > 0.00001)
     then begin                                                    // If the "User Fill Option" was selected these calculations would be made.
          { cable investment is adjusted base on the ratio of the actual and user fill factors}          // assume a user fill of 80% was selected.
          C_Inv := C_Inv * ((Demand * Length / pf) / UFill);
CALC:     C_Inv  =  14172.00 * (( 500 * 1500 / 900000 ) / .80 )  =  14762.50     // If the "User Fill Option" was selected this value would replace the $10206.00
          { Capacity pair feet is calculated base on the user fill factor}
          pf    := (Demand * Length) / UFill;
CALC:     pf  =  ( 500 * 1500 ) / .8   =  937500                       // If the "User Fill Option" was selected this value would replace the 900000
        end;

    Pair_Ft_Cap:= Pair_Ft_Cap + pf;// pair feet of cable placed (pair_ft_cap)
CALC:    Pair_Ft_Cap  =  0.00 + 900000  =  900000
    Pair_Ft_Utl:= Pair_Ft_Utl + Demand * Length; // pair feet of cable utilized (pair_ft_utl)
CALC:    Pair_Ft_Utl  =  0.00 + 500 * 1500  =  750000
```

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CALCULATION OF UNDERGROUND COPPER CABLE INVESTMENTS

```
    {calculate the returned underground copper cable investment value using
    the cable and splicing investment (C_Inv) and the placing investment (Inv) }
    Result := Inv + C_Inv;
CALC:   Result  =  1221.92 +  14172.00  =   15393.92
    Monitor.LogEvent(mFUNC,'Place_CU_UndGnd',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
            ','+IntToStr(Length)+','+IntToStr(demand)+
            ','+FloatToStr(UFill)+'='+FloatToStr(Result));
 end;// END Place_CU_UndGnd function
```

16 90

CALCULATION OF AERIAL FIBER CABLE INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of aerial fiber cable investments that are performed by the "Place_Fi_Aerial" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires aerial fiber cable, in addition to calling the pole sub-routine, it also calls the aerial fiber cable sub-routine to calculate the cable investment required.

The aerial fiber cable sub-routine determines the size of the cable required based on the demand. Each DLC system requires four fiber strands. Any fiber strands required for inter-office demands are added to the total DLC demands to determine the total fiber strands required in an ARC. Whenever the total fiber strands required exceeds the strands in the largest aerial fiber cable, the total fiber strands required is divided by the strands in the maximum fiber cable to determine how many full size cables are required. Any remaining strands are used to size an additional cable. The length of the cable is equal to the length of the ARC.

Listed below is the labor, material and user option data required for aerial fiber cables.

USER OPTION DATA

ITEM	VALUE
Engineering Feeder Factor	1.06
Engineering Distribution Factor	2.2
Aerial Fiber span between splices	872
Engineering Administration Fill	0.98

LABOR RATES

ITEM		VALUE
LP18A:	Place Strand	0.3
LP22A:	Place aerial cable	0.38
LS50A:	Splice Fiber cable <= 48 fibers	48.00
LS50B:	Splice Fiber cable > 48 fibers	42.00

MATERIAL COSTS

ITEM		VALUE
STRAND	Strand / Lashig	0.00
FIAER	Fiber 6 Strand Aerial	0.57
FIAER	Fiber 12 Strand Aerial	0.65
FIAER	Fiber 24 Strand Aerial	0.93

NOTE * Some of the minor material items have a $0.00 value (if the last column in material file = "TRUE")

16 91

CALCULATION OF AERIAL FIBER CABLE INVESTMENTS

```
Function Place_FI_Aerial(Clli : String; ArcType, Xpos, Ypos : integer;
                         Length, Strands, Demand : Longint; UFill : Double) : Double;

{ This subroutine calculates the investments for placing aerial fiber cables.

Labor activity codes:  (used in Place_FI_Aerial)
LP18A:     Place strand (all sizes)
LP22A:     Place aerial cable (all types/size)
LS50A:     Splice Fiber Optic cable - 48 fibers or less
LS50B:     Splice Fiber Optic cable - greater than 48 fibers
}

 Var                                                    // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
  Inv, C_Inv, rC_Inv, pf : Double;
  CS, tmp_Strands  : LongInt;
  Total_Fi_Strands : Longint;

 begin       // set initial values                       // VARIABLES ARE INITIALIZED
  Inv     := 0.0;            // the strand and placing investment
  C_Inv   := 0.0;            // investment for max size cables
  rC_Inv  := 0.0;            // investment for less than max size cables
  Cable_Cnt:= 0;             // number of cables
  Total_Fi_Strands := 0;  // number of fiber strands

  Case ArcType of                                       // SETS THE OSPType FOR EACH TYPE OF ARC
    0 : OSPType := 'I';
    1 : OSPType := 'F';
  2,3 : begin
        if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'
          then OSPType := 'D'
          else OSPType := 'F';
       end;
    4 : OSPType := 'D';
  end;
```

16 92

CALCULATION OF AERIAL FIBER CABLE INVESTMENTS

```
{test to see if there is a demand and length for aerial fiber placement}
if (Demand < 1) or (Length < 1) then begin                    // EXCLUDES ANY ARC THAT DOES NOT HAVE A DEMAND AND LENGTH
 Result := 0;
 monitor.LogEvent(mFUNC,'Place_Fi_Aerial',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
            ','+IntToStr(Length)+','+IntToStr(strands)+','+IntToStr(demand)+
            ','+FloatToStr(UFill)+'=0 (Demand<1, Length<1)');
 exit;   // if not, then exit
end;
                                                              // FOR THE FOLLOWING SAMPLE CALCULATIONS THE tmp_Strands = 8
tmp_Strands := Strands;      // set temporary strands                    // AND THE Length = 2400 feet
CS := f_OSPMaterial.MaxSize('FiAer');  // largest aerial fiber cable size in material table
CALC:   CS  =  24  ( 24 strands is the largest aerial fiber cable in the material file )
if CS > 0      // check for max cable found as precaution
 then begin
      {calculate the number of cables required to meet the temporary
      demand}
      cable_cnt:= Trunc(tmp_Strands/CS);
CALC:   cable_cnt  =  Trunc ( 8 / 24 )  =  Trunc( 0.333 )  =  0        ( the Trunc function drops all decimal points )
      if cable_cnt > 0  // are there any max size cables required?
       then begin                                                 // Since cable_cnt = 0, this section is skipped
            {At least one max size cable is required so calculate
            investment using the max size cable count.  Write the
            information on the aerial fiber cable to the inventory
            file (when a full size cable is placed the segment
            number is written as a negative to the inventory file.
            A positive segment number is used for the smaller cables.) }
            C_Inv     := f_OSPMaterial.Mat('FiAer', CS) * Length * cable_cnt;
            tmp_Strands := tmp_Strands - round(cable_cnt * CS);
            Total_Fi_Strands := Total_Fi_Strands + cable_cnt * CS;
            PartInventory.Write (Clli, OSPType[1], 'AERIALFI', CS, Cable_Cnt*Length, Xpos, Ypos);
           end;
    end
```

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CALCULATION OF AERIAL FIBER CABLE INVESTMENTS

```
    else begin
        {no max size cables were found in the material file, so display
        an error message }
        MessageDlg('Fiber Aerial not available', mterror, [mbOk], 0);
        Result := 0.0;
        Monitor.LogEvent(mERROR,'Place_Fi_Aerial','***'+Clli+' Fiber Aerial not available');
        exit;
       end;

    if tmp_Strands > 0
     then begin                                                    // THE tmp_Strands = 8
        {Find cable size for strands or remaining strands }
        CS    := f_OSPMaterial.FindSize('FiAer', tmp_Strands);
CALC:   CS = 12                  // A 12 STRAND FIBER CABLE WILL BE SELECTED
        Inc (Cable_Cnt);
CALC:   Inc(Cable_Cnt) adds 1 to the cable_cnt which was set at 0.00   0 + 1 = 1
        rC_Inv  := f_OSPMaterial.Mat('FiAer', CS) * Length;
CALC:   rC_Inv = 0.65 * 2400 = 1560.00
        Total_Fi_Strands := Total_Fi_Strands + CS;
CALC:   Total_Fi_Strands = 0.00 + 12 = 12
        PartInventory.Write (Clli, OSPType[1], 'AERIALFI', CS, Length, Xpos, Ypos);
       end;

  {calculate total (material) investment using investment for max size cables
  and the investment for less than max size cables }
  C_Inv := C_Inv + rC_Inv;
CALC:   C_Inv = 0.00 + 1560.00 = 1560.00

  Splice_Pts := Round(length/Asmp.Aer_Fi_Span);
CALC:   Splice_Pts = Round ( 2400 / 872 ) = Round ( 2.7523 ) = 3
  if Splice_Pts = 0 then Splice_Pts := 1;
```

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CALCULATION OF AERIAL FIBER CABLE INVESTMENTS

```
 if Arctype < 2
  then begin
       if Total_Fi_Strands < 49
        {calculate the splicing investment using labor dependant on the
        total number of fiber strands }
        then C_Inv := C_Inv + f_OSPLabor.Labor('LS50A', Tier_Flag) * Total_Fi_Strands * Splice_Pts
CALC:    C_Inv  =  1560.00  + 48.00  *  12  *  3  =  1560.00  +  1728.00  =  3288.00
        else C_Inv := C_Inv + f_OSPLabor.Labor('LS50B', Tier_Flag) * Total_Fi_Strands * Splice_Pts;
      end;
 {--------------------}

  {calculate the investment for strand material and labor for placing
  the strand and aerial fiber cable }
  Inv    := Inv + (f_OSPMaterial.Mat('STRAND',1)+
              f_OSPLabor.Labor('LP18A', Tier_Flag)+
              f_OSPLabor.Labor('LP22A', Tier_Flag))* Length;
CALC:    Inv  =  0.00 + ( 0.00 + .30 + .38 ) * 2400 * 1  =  0.68 * 2400  =  1632.00
  {Write the strand information on the aerial fiber cable to the inventory file }
  PartInventory.Write (Clli, OSPType[1], 'STRAND', 1, Length, Xpos, Ypos);

  pf := (Demand * Length) /(Strands/Total_Fi_Strands);
CALC:    pf  =  ( 8  *  2400 ) / ( 8 / 12 )  =  28800
   {if user wants to use a specific fill factor }
   if Asmp.UserFill and (pf > 0.0) and (Ufill > 0.00001)
    then begin                                                    // If the "User Fill Option" was selected these calculations would be made.
        {cable investment is adjusted base on the ratio of the actual and user fill factors}          // assume a user fill of 80% was selected.
        C_Inv := C_Inv * ((Demand * Length / pf) / UFill);
CALC:    C_Inv  =  3288.00  *  (( 8 *2400 / 28800 ) / .80 )  =  2740.00      // If the "User Fill Option" was selected this value would replace the $2625.60
        {Capacity pair feet is calculated base on the user fill factor}
        pf   := (Demand * Length) / UFill;
CALC:    pf  =  ( 8  *  2400 ) / .80  =  24000                      // If the "User Fill Option" was selected this value would replace the 28800
       end;
```

CALCULATION OF AERIAL FIBER CABLE INVESTMENTS

```
  Pair_Ft_Cap:= Pair_Ft_Cap + pf;       // pair feet of cable placed (pair_ft_cap)
CALC:    Pair_Ft_Cap  =  0.00  +  28800  =  28800
  Pair_Ft_Utl:= Pair_Ft_Utl + Demand * Length;       // pair feet of cable utilized (pair_ft_utl)
CALC:    Pair_Ft_Utl  =  0.00  +  8  *  2400  =  19200

  {calculate the returned aerial fiber cable investment value using the cable
  and splicing investment (C_Inv) and the strand and placing investment (Inv) }
  Result := Inv + C_Inv;
CALC:    Result  =  1632.00  +  3288.00  =  4920.00
  Monitor.LogEvent(mFUNC,'Place_Fi_Aerial',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
            ','+IntToStr(Length)+','+IntToStr(strands)+','+IntToStr(demand)+
            ','+FloatToStr(UFill)+'='+FloatToStr(Result));
end;       // END Place_Fi_Aerial function
```

16 96

CALCULATION OF BURIED FIBER CABLE INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of buried fiber cable investments that are performed by the "Place_Fi_Buried" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires buried fiber cable, in addition to calling the trenching sub-routine, it also calls the buried fiber cable sub-routine to calculate the cable investment required.

The buried fiber cable sub-routine determines the size of the cable required based on the demand. Each DLC system requires four fiber strands. Any fiber strands required for inter-office demands are added to the total DLC demands to determine the total fiber strands required in an ARC. Whenever the total fiber strands required exceeds the strands in the largest buried fiber cable, the total fiber strands required is divided by the strands in the maximum fiber cable to determine how many full size cables are required. Any remaining strands are used to size an additional cable. The length of the cable is equal to the length of the ARC.

Listed below is the labor, material and user option data required for buried fiber cables.

USER OPTION DATA

ITEM	VALUE
Engineering Feeder Factor	1.06
Engineering Distribution Factor	2.2
Buried Fiber span between splices	1142
Engineering Administration Fill	0.98

LABOR RATES

ITEM		VALUE
LP49B:	Place additional cable/duct	0.55
LP73A:	Splice Pit	145.39
LS50A:	Splice Fiber cable <= 48 fibers	48.00
LS50B:	Splice Fiber cable > 48 fibers	42.00

MATERIAL COSTS

ITEM		VALUE
FIBUR	Fiber 6 Strand Buried	0 55
FIBUR	Fiber 12 Strand Buried	0 63
FIBUR	Fiber 24 Strand Buried	0 98

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CALCULATION OF BURIED FIBER CABLE INVESTMENTS

```
Function Place_FI_Buried(Clli : String; ArcType, Xpos, Ypos : integer;
                         Length, Strands, Demand : Longint; UFill : Double) : Double;

{ This subroutine calculates the investments for placing buried fiber cables.

Labor activity codes:  (used in Place_FI_Buried)
LP49B:      Place additional cable/duct
LP73A:      Splice Pit
LS50A:      Splice Fiber Optic cable - 48 fibers or less
LS50B:      Splice Fiber Optic cable - greater than 48 fibers
}

 Var                                                    // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
  Inv, C_Inv, rC_Inv, pf : Double;
  CS, tmp_Strands : LongInt;
  Total_Fi_Strands : Longint;

 begin        // set initial values                      // VARIABLES ARE INITIALIZED
  Inv     := 0.0;            // strand and placing investment
  C_Inv   := 0.0;            // cable and splicing investment
  rC_Inv  := 0.0;            // investment for less than max size cables
  pf      := 0.0;            // pair feet
  Cable_Cnt:= 0;             // number of cables
  Total_Fi_Strands := 0;     // number of fiber strands

  Case ArcType of                                       // SETS THE OSPType FOR EACH TYPE OF ARC
    0 : OSPType := 'I';
    1 : OSPType := 'F';
  2,3 : begin
        if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'
          then OSPType := 'D'
          else OSPType := 'F';
       end;
    4 : OSPType := 'D';
  end;
```

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CALCULATION OF BURIED FIBER CABLE INVESTMENTS

```
{test to see if there is a demand and length for buried fiber placement}
if (Demand < 1) or (Length < 1) then begin                    // EXCLUDES ANY ARC THAT DOES NOT HAVE A DEMAND AND LENGTH
  Result := 0;
  monitor.LogEvent(mFUNC,'Place_Fi_Buried',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
              ','+IntToStr(Length)+','+IntToStr(strands)+','+IntToStr(demand)+
              ','+FloatToStr(UFill)+'=0 (Demand<1, Length<1)');
  exit;   // if not, then exit
end;

                                                              // FOR THE FOLLOWING SAMPLE CALCULATIONS THE tmp_Strands = 8
tmp_Strands := Strands;                                                  // AND THE Length = 2400 feet
CS := f_OSPMaterial.MaxSize('FiBur');      // largest buried fiber cable size in material table
CALC:   CS = 24  ( 24 strands is the largest aerial fiber cable in the material file )
if CS > 0      // check for max cable found as precaution
  then begin
      {calculate the number of cables required to meet the temporary
      demand}
      cable_cnt:= Trunc(tmp_Strands/CS);
CALC:   cable_cnt = Trunc ( 8 / 24 ) = Trunc( 0.333 ) = 0        ( the Trunc function drops all decimal points )
      if cable_cnt > 0  // are there any max size cables required?
        then begin                                            // Since cable_cnt = 0, this section is skipped
            {At least one max size cable is required so calculate
            investment using the max size cable count.  Write the
            information on the buried fiber cable to the inventory
            file (when a full size cable is placed the segment
            number is written as a negative to the inventory file.
            A positive segment number is used for the smaller cables.) }
            C_Inv  := f_OSPMaterial.Mat('FiBur', CS) *
                  Length * cable_cnt;
            tmp_Strands := tmp_Strands - round(cable_cnt * CS);
            Total_Fi_Strands := Total_Fi_Strands + round(cable_cnt * CS);
            PartInventory.Write (Clli, OSPType[1], 'BURIEDFI', CS, Cable_Cnt*Length, Xpos, Ypos);
          end;
      end
```

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```
      else begin
          {no max size cables were found in the material file, so display
          an error message }
          MessageDlg('Fiber Buried not available', mterror, [mbOk], 0);
          Result := 0.0;
          Monitor.LogEvent(mERROR,'Place_Fi_Buried','***'+Clli+' Fiber Buried not available');
          exit;
        end;

    {Find cable size for demand or remaining demand }
    if tmp_Strands > 0                                          // THE tmp_Strands = 8
     then begin
          CS := f_OSPMaterial.FindSize('FiBur', tmp_Strands);
CALC:    CS = 12                    // A 12 STRAND FIBER CABLE WILL BE SELECTED
          Inc (Cable_Cnt);
CALC:    Inc(Cable_Cnt) adds 1 to the cable_cnt which was set at 0.00   0 + 1 = 1
          rC_Inv := f_OSPMaterial.Mat('FiBur', CS) * Length;
CALC:    rC_Inv = 0.63 * 2400 = 1512.00
          Total_Fi_Strands := Total_Fi_Strands + CS;
CALC:    Total_Fi_Strands = 0.00 + 12 = 12
          PartInventory.Write (Clli, OSPType[1], 'BURIEDFI', CS, Length, Xpos, Ypos);
        end;
    {calculate total (material) investment using investment for max size
    cables and the investment for less than max size cables }
    C_Inv := C_Inv + rC_Inv;
CALC:    C_Inv = 0.00 + 1512.00 = 1512.00

    Splice_Pts := Round(length/Asmp.Bur_Fi_Span);
CALC:    Splice_Pts = Round ( 2400 / 1142 ) = Round ( 2.1016 ) = 2
    if Splice_Pts = 0 then Splice_Pts := 1;

    {calculate the investment with splice pits added since cable being
    processed is not distribution cable }
    Inv := Inv + f_OSPLabor.Labor('LP73A', Tier_Flag)* Splice_Pts;
CALC:    Inv = 145.39 * 2 = 290.78
```

16 106

CALCULATION OF BURIED FIBER CABLE INVESTMENTS

```
 if ArcType < 2
  then begin
       {calculate the splicing investment using labor dependant on the
       total number of fiber strands }
       if Total_Fi_Strands < 49
        then C_Inv := C_Inv + f_OSPLabor.Labor('LS50A', Tier_Flag) * Total_Fi_Strands * Splice_Pts
CALC:    C_Inv = 1512.00 + 48.00 * 12 * 2 = 1512.00 + 1152.00 = 2664.00
        else C_Inv := C_Inv + f_OSPLabor.Labor('LS50B', Tier_Flag) * Total_Fi_Strands * Splice_Pts;
      end;
 {--------------------}

  pf := (Demand * Length) /(Strands/Total_Fi_Strands);
CALC:   pf = ( 8 * 2400 ) / ( 8 / 12 ) = 28800

  {if user wants to use a specific fill factor }
  if Asmp.UserFill and (pf > 0.0) and (Ufill > 0.00001)
   then begin                                          // If the "User Fill Option" was selected these calculations would be made.
       {cable investment is adjusted base on the ratio of the actual and user fill factors}   // assume a user fill of 80% was selected.
       C_Inv := C_Inv * ((Demand * Length / pf) / UFill);
CALC:   C_Inv = 2664.00 * (( 8 *2400 / 28800 ) / .80 ) = 2220.00   // If the "User Fill Option" was selected this value would replace the $2673.60
       {Capacity pair feet is calculated base on the user fill factor}
       pf   := (Demand * Length) / UFill;
CALC:   pf = ( 8 * 2400 ) / .80 = 24000                // If the "User Fill Option" was selected this value would replace the 28800
      end;

  if Cable_Cnt > 1                                     // The cable count is 1, therefore no additional investment is required.
   {more than one cable is being placed in a trench so add to the
   investment the labor for placing additional cables }
   then C_Inv := C_Inv + f_OSPLabor.Labor('LP49B',Tier_Flag) * (Cable_Cnt-1) * Length;

  Pair_Ft_Cap:= Pair_Ft_Cap + pf;      // pair feet of cable placed (pair_ft_cap)
CALC:   Pair_Ft_Cap = 0.00 + 28800 = 28800
  Pair_Ft_Utl:= Pair_Ft_Utl + Demand * Length;  // pair feet of cable utilized (pair_ft_utl)
CALC:   Pair_Ft_Utl = 0.00 + 8 * 2400 = 19200
```

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CALCULATION OF BURIED FIBER CABLE INVESTMENTS

```
   {calculate the returned buried fiber cable investment value using the cable
   and splicing investment (C_Inv) and the strand and placing investment (Inv) }
   Result := Inv + C_Inv;
CALC:   Result  =  290.78  +  2664.00  =  2954.78
//   Monitor.LogEvent(mFUNC,'Place_Fi_Buried',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
//              ','+intToStr(segment)+','+IntToStr(Length)+','+IntToStr(strands)+','+IntToStr(demand)+
//              ','+FloatToStr(UFill)+'='+FloatToStr(Result));

 end;      // END Place_FI_Buried function
```

16 102

CALCULATION OF UNDERGROUND FIBER CABLE INVESTMENTS

The purpose of this document is to help clarify the investment calculations that are performed ICM 4.1 for cables, structures, and other outside plant equipment. This particular document covers the calculation of underground fiber cable investments that are performed by the "Place_Fi_UndGnd" sub-routine in OSPInvest.pas.

When the Arcinvestment procedure encounters an ARC that requires underground fiber cable, in addition to calling the conduit sub-routine, it also calls the underground fiber cable sub-routine to calculate the cable investment required.

The underground fiber cable sub-routine determines the size of the cable required based on the demand. Each DLC system requires four fiber strands. Any fiber strands required for inter-office demands are added to the total DLC demands to determine the total fiber strands required in an ARC. Whenever the total fiber strands required exceeds the strands in the largest buried fiber cable, the total fiber strands required is divided by the strands in the maximum fiber cable to determine how many full size cables are required. Any remaining strands are used to size an additional cable. The length of the cable is equal to the length of the ARC.

Listed below is the labor, material and user option data required for underground fiber cable.

USER OPTION DATA

ITEM	VALUE
Engineering Feeder Factor	1.06
Engineering Distribution Factor	2.2
Pull Box Spacing	3000
Engineering Administration Fill	0.98

LABOR RATES

ITEM		VALUE
LP43C:	Place fiber cable in conduit	0.51
LS72A:	Manhole setup	108.46
LS50A:	Splice Fiber cable <= 48 fibers	48.00
LS50B:	Splice Fiber cable > 48 fibers	42.00

MATERIAL COSTS

ITEM		VALUE
FIUND	Fiber 6 Strand UndGnd	0 54
FIUND	Fiber 12 Strand UndGnd	0 63
FIUND	Fiber 24 Strand UndGnd	0 97

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```
Function Place_FI_UndGnd(Clli : String; ArcType, Xpos, Ypos : integer;
                         Length, Strands, Demand : Longint; UFill : Double) : Double;

{ This subroutine calculates the investments for placing underground fiber cables.

Labor activity codes:  (used in Place_FI_UndGnd)
LP43C:    Place fiber cable in conduit
LS50A:    Splice Fiber Optic cable - 48 fibers or less
LS50B:    Splice Fiber Optic cable - greater than 48 fibers
LS72A:    Manhole setup
}

 Var                                                    // THE VARIABLES USED IN THIS SUB-ROUTINE ARE DEFINED
  Inv, C_Inv, rC_Inv, pf : Double;
  CS, tmp_Strands : LongInt;
  Total_Fi_Strands : Longint;

 begin       // set initial values                       // VARIABLES ARE INITIALIZED
  Inv     := 0.0;            // investment for splicing and cable
  C_Inv   := 0.0;            // investment for placing and strand
  rC_Inv  := 0.0;            // investment for less than max size cables
  pf      := 0.0;            // pair feet
  Cable_Cnt:= 0;             // number of cables
  Total_Fi_Strands := 0;     // number of fiber strands

  Case ArcType of                                       // SETS THE OSPType FOR EACH TYPE OF ARC
    0 : OSPType := 'I';
    1 : OSPType := 'F';
   2,3 : begin
         if DM_ICM.t_Arcs.FieldByName('OSP Type').AsString = 'D'
           then OSPType := 'D'
           else OSPType := 'F';
        end;
    4 : OSPType := 'D';
  end;
```

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```
{test to see if there is a demand and length for the underground
fiber placement}
if (Demand < 1) or (Length < 1) then begin                    // EXCLUDES ANY ARC THAT DOES NOT HAVE A DEMAND AND LENGTH
 Result := 0;
 monitor.LogEvent(mFUNC,'Place_Fi_UndGnd',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
            ','+IntToStr(Length)+','+IntToStr(strands)+','+IntToStr(demand)+
            ','+FloatToStr(UFill)+'=0 (Demand<1, Length<1)');
 exit;   // if not, then exit
end;
                                                              // FOR THE FOLLOWING SAMPLE CALCULATIONS THE tmp_Strands = 8
tmp_Strands := Strands;                                              // AND THE Length = 2400 feet
CS := f_OSPMaterial.MaxSize('FiUnd'); // largest underground fiber cable size in material table
CALC:   CS = 24 ( 24 strands is the largest aerial fiber cable in the material file )
if CS > 0    // check for max cable found as precaution
 then begin
     {calculate the number of cable required to meet the temporary
     demand}
     cable_cnt:= Trunc(tmp_Strands/CS);
CALC:   cable_cnt = Trunc ( 8 / 24 ) = Trunc( 0.333 ) = 0      ( the Trunc function drops all decimal points )
     if cable_cnt > 0  // are there any max size cables required?
      then begin                                              // Since cable_cnt = 0, this section is skipped
          {At least one max size cable is required so calculate
          investment using the max size cable count.  Write the
          information on the underground fiber cable to the
          inventory file (when a full size cable is placed the
          segment number is written as a negative to the inventory
          file.  A positive segment number is used for the smaller
          cables.) }
          C_Inv     := f_OSPMaterial.Mat('FiUnd', CS) *
                    Length * cable_cnt;
          tmp_Strands := tmp_Strands - round(cable_cnt * CS);
          Total_Fi_Strands := Total_Fi_Strands + round(cable_cnt * CS);
          PartInventory.Write (Clli, OSPType[1], 'UNDGNDFI', CS, Cable_Cnt*Length, Xpos, Ypos);
         end;
    end
```

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```
    else begin
        {no max size cables were found in the material file, so display
        an error message }
        MessageDlg('Fiber undergound not available', mterror, [mbOk], 0);
        Result := 0.0;
        Monitor.LogEvent(mERROR,'Place_Fi_UndGnd','***'+Clli+' Fiber underground not available');
        exit;
      end;

   {Find cable size for demand or remaining demand }
   if tmp_Strands > 0                                          // THE tmp_Strands = 8
    then begin
        CS    := f_OSPMaterial.FindSize('FiUnd', tmp_Strands);
CALC:   CS = 12                  // A 12 STRAND FIBER CABLE WILL BE SELECTED
        Inc (Cable_Cnt);
CALC:   Inc(Cable_Cnt) adds 1 to the cable_cnt which was set at 0.00   0 + 1 = 1
        rC_Inv  := f_OSPMaterial.Mat('FiUnd', CS) * Length;
CALC:   rC_Inv = 0.63 * 2400 = 1512.00
        Total_Fi_Strands := Total_Fi_Strands + CS;
CALC:   Total_Fi_Strands = 0.00 + 12 = 12
        PartInventory.Write (Clli, OSPType[1], 'UNDGNDFI', CS, Length, Xpos, Ypos);
      end;
   {calculate total (material) investment using investment for max size
   cables and the investment for less than max size cables }
   C_Inv := C_Inv + rC_Inv;
CALC:   C_Inv = 0.00 + 1512.00 = 1512.00

   {calculate the investment using labor for placing fiber in conduit }
   Inv := Inv + f_OSPLabor.Labor('LP43C',  Tier_Flag) * Length * Cable_cnt;
CALC:   Inv = 0.51 * 2400 * 1 =  1224.00
   {calculate the investment using labor for manhole site setup since
   underground cable is being placed in feeder }

   Splice_Pts := Round(length/Asmp.Manhole_Spacing);
CALC:   Splice_Pts = Round ( 2400 / 3000 ) = Round ( .8000 ) =  1
   if Splice_Pts = 0 then Splice_Pts := 1;
```

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```
   Inv := Inv + f_OSPLabor.Labor('LS72A',  Tier_Flag)* Splice_Pts;
CALC:   Inv = 1224.00 + 108.46 * 1 = 1332.46

   if ArcType < 2
    then begin
         {calculate the splicing investment using labor dependant on the
         total number of fiber strands }
         if Total_Fi_Strands < 49
          then C_Inv := C_Inv + f_OSPLabor.Labor('LS50A', Tier_Flag) * Total_Fi_Strands * Splice_Pts
CALC:   C_Inv = 1512.00 + 48.00 * 12 * 1 = 1512.00 + 576.00 = 2088.00
          else C_Inv := C_Inv + f_OSPLabor.Labor('LS50B', Tier_Flag) * Total_Fi_Strands * Splice_Pts;
        end;
 {--------------------}

   pf := (Demand * Length) /(Strands/Total_Fi_Strands);
CALC:   pf = ( 8 * 2400 ) / ( 8 / 12 ) = 28800

   {if user wants to use a specific fill factor }
   if Asmp.UserFill and (pf > 0.0) and (Ufill > 0.00001)          // If the "User Fill Option" was selected these calculations would be made.
    then begin
         {cable investment is adjusted base on the ratio of the actual and user fill factors}
         C_Inv := C_Inv * ((Demand * Length / pf) / UFill);
CALC:   C_Inv = 2088.00 * (( 8 *2400 / 28800 ) / .80 ) = 1740.00   // If the "User Fill Option" was selected this value would replace the $2625.60
         {Capacity pair feet is calculated base on the user fill factor}
         pf   := (Demand * Length) / UFill;
CALC:   pf = ( 8 * 2400 ) / .80 = 24000                           // If the "User Fill Option" was selected this value would replace the 28800
        end;

   Pair_Ft_Cap:= Pair_Ft_Cap + pf;// pair feet of cable placed (pair_ft_cap)
CALC:   Pair_Ft_Cap = 0.00 + 28800 = 28800
   Pair_Ft_Utl:= Pair_Ft_Utl + Demand * Length;  // pair feet of cable utilized (pair_ft_utl)
CALC:   Pair_Ft_Utl = 0.00 + 8 * 2400 = 19200
```

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```
   {calculate the returned underground fiber cable investment value using
   the cable and splicing investment (C_Inv) and the strand and placing
   investment (Inv) }
   Result := Inv + C_Inv;
CALC:   Result = 1332.46 + 2088.00 = 3420.46
//   Monitor.LogEvent(mFUNC,'Place_Fi_UndGnd',' ('+Clli+','+IntToStr(Xpos)+','+intTostr(Ypos)+
//              ','+intToStr(segment)+','+IntToStr(Length)+','+IntToStr(strands)+','+IntToStr(demand)+
//              ','+FloatToStr(UFill)+'='+FloatToStr(Result));
 end;    // END of Place_FI_UndGnd function
```

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CALCULATION OF DROP, NID, AND TERMINAL INVESTMENTS

The purpose of this document is to help clarify the investment calculations for drops, NIDs, and terminals and the creation of ARCType 4 records that are performed in the Distribution.pas routine of ICM 4.1.

After the clustering and spanning routines have created the clusters, feeder routes, and backbone cable routes (feeder and distribution); the Distrib.pas routine is called to calculate the investments for the above items and to create the distribution cable segments (ARCType 4) records.

Distrib.pas looks at one demand point at a time. If there is at least 1 working line in the demand point, the demand point is processed. The partial tables shown below is the data required to perform the investment calculations. The CLLI and the Mapinfo columns have been left blank in the line of data from the demand file to make this a generic example.

CLLI	X	Y	MAPINFO	ROAD LENGTH	BEDROCK	WATER TABLE	RES LINES	BUS LINES	WATER FLAG	ELEVATION CODE	HIGHWAY FLAG	X CLUSTER	Y CLUSTER
(blank)	-3	-3	(blank)	5582	60	21	135	7	FALSE	0	FALSE	0	0

(This data represents one line from the demand data file that is input into ICM. The data can be viewed by clicking on TABLE, LOOP, DEMAND and at the bottom of that page click on "Demand Table". There will be a line of data for every demand point.

In addition to the demand data, information from the "User Inputs", "Labor", "Material", and "Demand Style" tables is also required to demonstrate the calculations.

USER OPTION DATA

ITEM	VALUE
Drop wire size	3
Percent of no cost drop	0
Maximum drop length	465
Minimum drop length	52
Units Line/Res	1.11
Units Line/Bus	2
Res/Terminal	4
Bus/Terminal	4
Bus threshold 1	499
Bus threshold 2	1249
Bus Drop size 1	25
Bus Drop size 2	50
Res threshold 1	499
Res Drop size 1	25

LABOR RATES

ITEM	VALUE
LP50A Place buried drop	0.54
LP51A Plow cable <1000'	0.98
LP61A Place pedestal	15.5
LS13A place FC terminal	61.51
LS14B Place NID <=6pairs	16.2

NODE TABLE

ITEM	VALUE
Widht Demand Point	1613
Height Demand Point	1823

MATERIAL COSTS

ITEM	VALUE
DWIRE Drop wire 3 pairs	0.11
DWIRE Drop wire 5 pairs	0.14
DWIRE Drop wire 25 pairs	0.47
DWIRE Drop wire 50 pairs	0.79
NID 6 pair NID	7.93
NID 12 pair NID	559.24
NID 25 pair NID	0
NID 50 pair NID	939.44
NIDPROT NID protector 6 pr	10.83
NIDPROT NID protector >6 pr	0
TERM Terminal (pedestal)	0

NOTE * Some of the minor material items have a $0.00 value (if the last column in material file = "TRUE")

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Listed below are the values for Demand Style # 5 from the Demand Style Table used for the example:

STYLE	MINVAL	MAXVAL	RCOEF1	RCOEF2	RCOEF3	RCOEF4	RCOEF5	RCOEF6	RCOEF7	RCOEF8	DCOEF1	DCOEF2	DCOEF3
5	5001	7000	0.0714	0.0714	0.0714	0.0714	0.1429	0.5714	0	0	0.2857	0.2143	0.1786

DCOEF4	DCOEF5	DCOEF6	DCOEF7	DCOEF8	PLWFLG	STRFLG	StrHDT	AvgLenFrac	DDT	ARC4DT
0.1071	0.0714	0.0357	0	0	0	1	80	0.0867	2	750

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```
            ( Starting at about line 50 in the code )
 begin
   // if no demand don't process the distribution
   if (DistValues.Res_Lines +DistValues.Bus_Lines) < 1
CALC.    ( 135 + 7 ) is greater than 1,  DO NOT EXIT
     then exit;

   // Classify Distribution style }
   DS_index := 0;
   for N := 1 to DS_Count do
     begin
       if (DistValues.road_feet>=DistStyle^[N].RoadS) and (DistValues.road_feet<=DistStyle^[N].RoadE)
         then DS_Index := N;
CALC.      Road Feet = 5582;  5582 is between 5001 (RoadS) and 7000 (RoadE) of Demand Style 5
CALC.      Therefore:  N = 5
     end;

   if (DS_Index = 0)       // This line rejects any demand points with zero road feet
     then  Exit;

   Loops    := Round(DistValues.Res_Lines + DistValues.Bus_Lines);
CALC.      Loops = 135 + 7 = 142
   Drop_Util := 0.50;      // This line set the utilization for drop > 5 pairs to 50%

   if Loops < DistStyle^[DS_Index].DistDmdThr then RFA:=0.0
CALC.      If Loops < DDT ( 2 ) then RFA = 0.0,  nhowever Loops = 142 in this case RFA not set to 0.0
   else
     begin
       // Calculate the square miles of a demand point and
       // adjust loops per square mile to loops per demand point.
       DSM := Round(((DM_ICM.t_Nodes.FieldByName('Width Demand Pt').AsFloat *
            DM_ICM.t_Nodes.FieldByName('Height Demand Pt').AsFloat) / sqr(5280.0))*
            DistStyle^[DS_Index].DensityThreshold);
CALC.      DSM = Round(((1613 * 1823) / (5280 * 5280) * 750 (ARC4DT) ) = Round((2940499 / 27878400) * 750)
CALC.      DSM = Round( 0.1054759 * 750 ) = 79
```

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```
    if Loops >= DSM
CALC.     Since Loops (142) > 79;  then RFA = 1.0
      then RFA := 1.0
      else RFA := RoadFtAdj;        '// RFA was set to 1.0, therefore this line is not used
   end;
  AvgLpLength.Write(DistValues.Clli, round(DistStyle^[DS_Index].AvgLenF * DistValues.road_feet * RFA * Loops));
CALC.     AvgLpLength (for distribution) =  .0867 * 5582 * 1.0 * 142  =  68722.235

  // Calculate number of units
  Res_Units := Ceil( DistValues.Res_Lines / Asmp.RLnPUnit);
CALC.     Res_Units = Ceil (roundup) ( 135 / 1.11 ) = Ceil(121.622)  =  122
  Bus_Units := Ceil( DistValues.Bus_Lines / Asmp.BLnPUnit);
CALC.     Bus_Units = Ceil (roundup) ( 7 / 2.0 ) = Ceil(3.5)  =  4

  // Nid and Drop calculation
  RNID := Asmp.Dropwire_Size;
CALC.     RNID = 3
  BNID := Asmp.Dropwire_Size;
CALC.     BNID = 3
  if Res_Units > Asmp.RDSth1  then RNID := Asmp.RDSpr1 ;          // Since 122 < 499, this line not used
  if Bus_Units > Asmp.BDSth1  then BNID := Asmp.BDSpr1;           // Since 4 < 499, this line not used
  if Bus_Units > Asmp.BDSth2  then BNID := Asmp.BDSpr2;           // Since 4 < 1249, this line not used
  RDropSize := RNID;
CALC.     RDropSize = 3
  BDropSize := BNID;
CALC.     BDropSize = 3

  // Drop length calculation
  DropLen := Round(Sqrt(1350000.0/(Res_Units + Bus_Units)));
CALC.     DropLen = Round( Sqrt(1350000 / (122 + 4))) = Round(Sqrt(10714.29)) = Round(103.510) = 104
  if DropLen < Asmp.MnDrpLn then DropLen := Asmp.MnDrpLn;       // Since 104 > 52, this line not used
  if DropLen > Asmp.MxDrpLn then DropLen := Asmp.MxDrpLn;       // Since 104 < 465, this line not used
```

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```
  // Terminals calculation
  Terminal := 0;
  if Res_Units < 500
    then Terminal := Terminal + Ceil(Res_Units / Asmp.RUnitPTerm);
CALC.      Terminal = 0 + Ceil ( 122/ 4 ) = Ceil ( 30.5 ) = 31
  if Bus_Units < 500
    then Terminal := Terminal + Ceil(Bus_Units / Asmp.BUnitPTerm);
CALC.      Terminal = 31 + Ceil ( 4 / 4 ) = 31 + Ceil ( 1.0 ) = 32

  // Bus portion of the total demand
  BusF :=  DistValues.Bus_Lines / Loops;
CALC.      BusF = 7 / 142 = 0.049296

 // NID - based on size of Network Interface Device (NID) which
 // equals the size of the drop
   case RNID of  // residential NID
    1..6  : begin
          // RFPC 0044                                                    2943.86
          if (Asmp.RLnPUnit <= 6) then                                    1462.05
           begin                                                          4405.91
            RInv := (f_OSPMaterial.Mat('NID',1)+f_OSPLabor.Labor('LS14B',  Tier_Flag ))* Res_Units +
                  f_OSPMaterial.Mat('NIDPROT',1)*DistValues.Res_Lines;
CALC.       RInv = ( 7.93 + 16.20 ) * 122 + 10.83 * 135  =  2943.86 + 1462.05  =  4405.91
            PartInventory.Write (DistValues.Clli, 'D', 'NID', 1, Res_Units,
                        DistValues.Cluster.X, DistValues.Cluster.Y);
           end
          else                          // Since the residential NID was <6 pair, the following section is not used
           begin
            RInv := (f_OSPMaterial.Mat('NID',12) + (f_OSPMaterial.Mat('NIDPROT',12)*12) +
              f_OSPLabor.Labor('LS13A',  Tier_Flag ))* Res_Units;
            PartInventory.Write (DistValues.Clli, 'D', 'NID', 12, Res_Units,
                        DistValues.Cluster.X, DistValues.Cluster.Y);
           end;
```

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```
        // RFPC 0044
        // 6 pair NID 4-wire investment where Asmp.RLnPUnit <= 3
        if (Asmp.RLnPUnit <= 3) then          // this is the calculation for the 4 wire NID
         begin
          R4Inv := (f_OSPMaterial.Mat('NID',1)+f_OSPLabor.Labor('LS14B',  Tier_Flag ))* Res_Units +
                f_OSPMaterial.Mat('NIDPROT',1)*DistValues.Res_Lines*2;
CALC.     R4Inv = ( 7.93 + 16.20 ) * 122 + 10.83 * 135 * 2  =  2943.86 + 2924.10  =  5867.96
          PartInventory.Write (DistValues.Clli, 'D', 'NID4', 1, Res_Units,
                        DistValues.Cluster.X, DistValues.Cluster.Y);
         end
        else                          // Since the residential NID was <6 pair, the following section is not used
         begin
          R4Inv := (f_OSPMaterial.Mat('NID',12) + (f_OSPMaterial.Mat('NIDPROT',12)*12) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag ))* Res_Units;
          PartInventory.Write (DistValues.Clli, 'D', 'NID4', 12, Res_Units,
                        DistValues.Cluster.X, DistValues.Cluster.Y);
         end;
       end;
  7..12 : begin                       // Since the residential NID was <6 pair, the following section is not used
        // RFPC 0044
        RInv := (f_OSPMaterial.Mat('NID',12) + (f_OSPMaterial.Mat('NIDPROT',12)*12) +
             f_OSPLabor.Labor('LS13A',  Tier_Flag )) * Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize));
        PartInventory.Write (DistValues.Clli, 'D', 'NID', 12, Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize)),
                    DistValues.Cluster.X, DistValues.Cluster.Y);
        // RFPC 0044
        // 12 pair NID 4-wire investment
        R4Inv := (f_OSPMaterial.Mat('NID',25) + (f_OSPMaterial.Mat('NIDPROT',25)*25) +
              f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
             Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize));
        PartInventory.Write (DistValues.Clli, 'D', 'NID4', 25, Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize)),
                    DistValues.Cluster.X, DistValues.Cluster.Y);
       end;
```

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```
13..25: begin                    // Since the residential NID was <6 pair, the following section is not used
      // RFPC 0044
      RInv := (f_OSPMaterial.Mat('NID',25) + (f_OSPMaterial.Mat('NIDPROT',25)*25) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
           Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize));
      PartInventory.Write (DistValues.Clli, 'D', 'NID', 25, Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize)),
                  DistValues.Cluster.X, DistValues.Cluster.Y);
      // RFPC 0044
      // 25 pair NID 4-wire investment
      R4Inv := (f_OSPMaterial.Mat('NID',50) + (f_OSPMaterial.Mat('NIDPROT',50)*50) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
           Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize));
      PartInventory.Write (DistValues.Clli, 'D', 'NID4', 50, Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize)),
                  DistValues.Cluster.X, DistValues.Cluster.Y);
    end;
else  begin
      RInv := (f_OSPMaterial.Mat('NID',50) + (f_OSPMaterial.Mat('NIDPROT',50)*50) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
           Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize));
      PartInventory.Write (DistValues.Clli, 'D', 'NID', 50, Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize)),
                  DistValues.Cluster.X, DistValues.Cluster.Y);
      R4Inv := RInv * 2;
      PartInventory.Write (DistValues.Clli, 'D', 'NID4', 50, Ceil(DistValues.Res_Lines/(Drop_Util * RDropSize))*2,
                  DistValues.Cluster.X, DistValues.Cluster.Y);
    end;
end;
```

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```
case BNID of// business NID
 1..6 : begin
        // RFPC 0044
        if (Asmp.BLnPUnit <= 6) then
         begin
          BInv := (f_OSPMaterial.Mat('NID',1)+f_OSPLabor.Labor('LS14B',  Tier_Flag ))* Bus_Units +
                f_OSPMaterial.Mat('NIDPROT',1)*DistValues.Bus_Lines;
CALC.     BInv = ( 7.93 + 16.20 ) *4 + 10.83 * 7 = 96.52 + 75.81 =  172.33
          PartInventory.Write (DistValues.Clli, 'D', 'NID', 1, Bus_Units,
                        DistValues.Cluster.X, DistValues.Cluster.Y);
         end
        else                        // Since the business NID was <6 pair, the following section is not used
         begin
          BInv := (f_OSPMaterial.Mat('NID',12) + (f_OSPMaterial.Mat('NIDPROT',12)*12) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag ))* Bus_Units;
          PartInventory.Write (DistValues.Clli, 'D', 'NID', 12, Bus_Units,
                        DistValues.Cluster.X, DistValues.Cluster.Y);
         end;
        // RFPC 0044
        // 6 pair NID 4-wire investment where Asmp.BLnPUnit <= 3
        if (Asmp.BLnPUnit <= 3) then        // this is the calculation for the 4 wire NID
         begin
          B4Inv := (f_OSPMaterial.Mat('NID',1)+f_OSPLabor.Labor('LS14B',  Tier_Flag ))* Bus_Units +
                f_OSPMaterial.Mat('NIDPROT',1)*DistValues.Bus_Lines*2;
CALC.     BInv = ( 7.93 + 16.20 ) * 4 + 10.83 * 7 * 2 = 96.52 + 151.62 =  248.14
          PartInventory.Write (DistValues.Clli, 'D', 'NID4', 1, Bus_Units,
                        DistValues.Cluster.X, DistValues.Cluster.Y);
         end
        else                        // Since the business NID was <6 pair, the following section is not used
         begin
          B4Inv := (f_OSPMaterial.Mat('NID',12) + (f_OSPMaterial.Mat('NIDPROT',12)*12) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag ))* Bus_Units;
          PartInventory.Write (DistValues.Clli, 'D', 'NID4', 12, Bus_Units,
                        DistValues.Cluster.X, DistValues.Cluster.Y);
         end;
       end;
```

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CALCULATION OF DROP, NID, AND TERMINAL INVESTMENTS

```
7..12 : begin                    // Since the business NID was <6 pair, the following section is not used
      // RFPC 0044
      BInv := (f_OSPMaterial.Mat('NID',12) + (f_OSPMaterial.Mat('NIDPROT',12)*12) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
           Ceil(DistValues.Bus_Lines/(Drop_Util * BDropSize));
      PartInventory.Write (DistValues.Clli, 'D', 'NID', 12, Ceil(DistValues.Bus_Lines/
                  (Drop_Util * BDropSize)), DistValues.Cluster.X, DistValues.Cluster.Y);
      // RFPC 0044
      // 12 pair NID 4-wire investment
      B4Inv := (f_OSPMaterial.Mat('NID',25) + (f_OSPMaterial.Mat('NIDPROT',25)*25) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
           Ceil(DistValues.Bus_Lines/(Drop_Util * BDropSize));
      PartInventory.Write (DistValues.Clli, 'D', 'NID4', 25, Ceil(DistValues.Bus_Lines/
                  (Drop_Util * BDropSize)), DistValues.Cluster.X, DistValues.Cluster.Y);
    end;
13..25: begin                    // Since the business NID was <6 pair, the following section is not used
      // RFPC 0044
      BInv := (f_OSPMaterial.Mat('NID',25) + (f_OSPMaterial.Mat('NIDPROT',25)*25) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
           Ceil(DistValues.Bus_Lines/(Drop_Util * BDropSize));
      PartInventory.Write (DistValues.Clli, 'D', 'NID', 25, Ceil(DistValues.Bus_Lines/
                  (Drop_Util * BDropSize)), DistValues.Cluster.X, DistValues.Cluster.Y);
      // RFPC 0044
      // 25 pair NID 4-wire investment
      B4Inv := (f_OSPMaterial.Mat('NID',50) + (f_OSPMaterial.Mat('NIDPROT',50)*50) +
            f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
           Ceil(DistValues.Bus_Lines/(Drop_Util * BDropSize));
      PartInventory.Write (DistValues.Clli, 'D', 'NID4', 50, Ceil(DistValues.Bus_Lines/
                  (Drop_Util * BDropSize)), DistValues.Cluster.X, DistValues.Cluster.Y);
    end;
```

16 117

```
  else   begin
         // RFPC 0044
         BInv := (f_OSPMaterial.Mat('NID',50) + (f_OSPMaterial.Mat('NIDPROT',50)*50) +
               f_OSPLabor.Labor('LS13A',  Tier_Flag )) *
              Ceil(DistValues.Bus_Lines/(Drop_Util * BDropSize));
         PartInventory.Write (DistValues.Clli, 'D', 'NID', 50, Ceil(DistValues.Bus_Lines/
                     (Drop_Util * BDropSize)), DistValues.Cluster.X, DistValues.Cluster.Y);
         B4Inv := BInv * 2;
         PartInventory.Write (DistValues.Clli, 'D', 'NID4', 50, Ceil(DistValues.Bus_Lines/
                     (Drop_Util * BDropSize))*2, DistValues.Cluster.X, DistValues.Cluster.Y);
       end;
  end;

  { Ouput NID investments. }
  TInv := BInv + RInv;
CALC.     TInv = 4405.91  +  172.33  =  4578.24
  // RFPC 0044
  T4Inv := B4Inv + R4Inv;
CALC.     T4Inv = 5867.96  +  248.14  = 6116.10
  if (DistValues.Cluster.X=0) and (DistValues.Cluster.Y=0)
   then begin
        OSP_Table.Write (DistValues.CLLI, '242310', 'TDCNID', 'D', TInv,  TInv,  0.0);
        OSP_Table.Write (DistValues.CLLI, '242310', 'RDCNID', 'D', RInv,  RInv,  0.0);
        OSP_Table.Write (DistValues.CLLI, '242310', 'BDCNID', 'D', BInv,  BInv,  0.0);
        //RFPC 0044
        OSP_Table.Write (DistValues.CLLI, '242310', 'TDCNID4', 'D', T4Inv,  T4Inv,  0.0);
        OSP_Table.Write (DistValues.CLLI, '242310', 'RDCNID4', 'D', R4Inv,  R4Inv,  0.0);
        OSP_Table.Write (DistValues.CLLI, '242310', 'BDCNID4', 'D', B4Inv,  B4Inv,  0.0);
       end
   else begin
        OSP_Table.Write (DistValues.CLLI, '242310', 'TDFNID', 'D', TInv,  TInv,  0.0);
        OSP_Table.Write (DistValues.CLLI, '242310', 'RDFNID', 'D', RInv,  RInv,  0.0);
        OSP_Table.Write (DistValues.CLLI, '242310', 'BDFNID', 'D', BInv,  BInv,  0.0);
        // RFPC 0044
        OSP_Table.Write (DistValues.CLLI, '242310', 'TDFNID4', 'D', T4Inv,  T4Inv,  0.0);
        OSP_Table.Write (DistValues.CLLI, '242310', 'RDFNID4', 'D', R4Inv,  R4Inv,  0.0);
        OSP_Table.Write (DistValues.CLLI, '242310', 'BDFNID4', 'D', B4Inv,  B4Inv,  0.0);
       end;
```

CALCULATION OF DROP, NID, AND TERMINAL INVESTMENTS

```
  {Terminals }
  TInv := (f_OSPMaterial.Mat('TERM', 1) + f_OSPLabor.Labor('LS13A',  Tier_Flag ) +
       f_OSPLabor.Labor('LP61A',  Tier_Flag )) * Terminal;
CALC.     TInv = ( 0.00 + 61.51 + 15.50 ) * 32  =  77.01 * 32  =  2464.32
  BInv := TInv * Busf;
CALC.     BInv  =  2464.32 * 0.049296  =  121.48
  RInv := Tinv - BInv;
CALC.     RInv  =  2464.32  -  121.48  =  2342.84

  PartInventory.Write (DistValues.Clli, 'D', 'TERM', 1, Terminal,
               DistValues.Cluster.X, DistValues.Cluster.Y);

  { Ouput Terminal investments. }
  if (DistValues.Cluster.X=0) and (DistValues.Cluster.Y=0)
   then begin
       OSP_Table.Write (DistValues.CLLI, '242310', 'TDCTERM', 'D', TInv,  TInv,  0.0);
       OSP_Table.Write (DistValues.CLLI, '242310', 'RDCTERM', 'D', RInv,  RInv,  0.0);
       OSP_Table.Write (DistValues.CLLI, '242310', 'BDCTERM', 'D', BInv,  BInv,  0.0);
      end
   else begin
       OSP_Table.Write (DistValues.CLLI, '242310', 'TDFTERM', 'D', TInv,  TInv,  0.0);
       OSP_Table.Write (DistValues.CLLI, '242310', 'RDFTERM', 'D', RInv,  RInv,  0.0);
       OSP_Table.Write (DistValues.CLLI, '242310', 'BDFTERM', 'D', BInv,  BInv,  0.0);
      end;
```

16 119

CALCULATION OF DROP, NID, AND TERMINAL INVESTMENTS

```
{DROP  CALCULATION - for residential and business drops }
if RDropSize > 5    // residential drop >5 pairs (Res threshold input) (Res drop pair input)
 then begin                                  // Since residential drop is 3 pairs, this section not used
      RInv := (f_OSPMaterial.Mat('DWIRE', RDropSize) +
           f_OSPLabor.Labor('LP51A',  Tier_Flag ))* DropLen;
      RInv := RInv * Ceil(DistValues.Res_Lines /(Drop_Util * RDropSize));
      PartInventory.Write (DistValues.Clli, 'D', 'DWIRE', RDropSize, Ceil(DistValues.Res_Lines /
                (Drop_Util * RDropSize ))*DropLen, DistValues.Cluster.X, DistValues.Cluster.Y);
    end
    // residential drop <=5 pairs
 else begin      // residential drop <=5 pairs
      RInv := (f_OSPMaterial.Mat('DWIRE', RDropSize) +
           f_OSPLabor.Labor('LP50A',  Tier_Flag ) * (1.0-Asmp.Free_Drop))* DropLen;
CALC.     RInv  = ( 0.11 + 0.54 ) * ( 1.0 - 0.0 ) * 104 = 0.65 * 1.0 * 104 =  67.60
      RInv := RInv * Res_Units;
CALC.     RInv  =  67.60 * 122  =  8247.20
      PartInventory.Write (DistValues.Clli, 'D', 'DWIRE', RDropSize, Round(Res_Units * DropLen),
                DistValues.Cluster.X, DistValues.Cluster.Y);
      {Free drop placement is based on the subdivision developer providing
      the drop trench at no cost. Used only in residential developments.}
    end;

 if BDropSize > 5    // business drop >5 pairs (Bus threshold input) (Bus drop pair input)
  then begin                                 // Since business drop is 3 pairs, this section not used
      BInv := (f_OSPMaterial.Mat('DWIRE', BDropSize) +
           f_OSPLabor.Labor('LP51A',  Tier_Flag ))* DropLen;
      BInv := BInv * Ceil(DistValues.Bus_Lines /(Drop_Util * BDropSize ));
      PartInventory.Write (DistValues.Clli, 'D', 'DWIRE', BDropSize, Ceil(DistValues.Bus_Lines /
                (Drop_Util * BDropSize ))*DropLen, DistValues.Cluster.X, DistValues.Cluster.Y)
    end
```

16 120

CALCULATION OF DROP, NID, AND TERMINAL INVESTMENTS

```
        // business drop <=5 pairs
    else begin
        BInv := (f_OSPMaterial.Mat('DWIRE', BDropSize) +
              f_OSPLabor.Labor('LP50A',  Tier_Flag ))* DropLen;
CALC.     BInv  = ( 0.11 + 0.54 ) * ( 1.0 - 0.0 ) * 104 = 0.65 * 1.0 * 104 =  67.60
        BInv := BInv * Bus_Units;
CALC.     BInv  = 67.60 * 4  = 270.40
        PartInventory.Write (DistValues.Clli, 'D', 'DWIRE', BDropSize, Round(DropLen * Bus_Units),
                    DistValues.Cluster.X, DistValues.Cluster.Y);
      end;

  { Ouput Drop investments. }
  TInv := BInv + RInv;
CALC.     TInv  =  270.40  +  8247.20  =  8517.60
  if (DistValues.Cluster.X=0) and (DistValues.Cluster.Y=0)
   then begin
      OSP_Table.Write (DistValues.CLLI, '242310', 'TDCDROPCU', 'D', TInv,  TInv,  0.0);
      OSP_Table.Write (DistValues.CLLI, '242310', 'RDCDROPCU', 'D', RInv,  RInv,  0.0);
      OSP_Table.Write (DistValues.CLLI, '242310', 'BDCDROPCU', 'D', BInv,  BInv,  0.0);
     end
   else begin
      OSP_Table.Write (DistValues.CLLI, '242310', 'TDFDROPCU', 'D', TInv,  TInv,  0.0);
      OSP_Table.Write (DistValues.CLLI, '242310', 'RDFDROPCU', 'D', RInv,  RInv,  0.0);
      OSP_Table.Write (DistValues.CLLI, '242310', 'BDFDROPCU', 'D', BInv,  BInv,  0.0);
     end;

  if Loops < DistStyle^[DS_Index].DistDmdThr
   then exit;                          // Since 142 ( Loops ) > 2 ( DDT ), this demand point will be processed
```

16 121

CALCULATION OF DROP, NID, AND TERMINAL INVESTMENTS

```
  // Calculate the square miles of a demand point.
  DSM := (DM_ICM.t_Nodes.FieldByName('Width Demand Pt').AsFloat *
        DM_ICM.t_Nodes.FieldByName('Height Demand Pt').AsFloat) / sqr(5280.0);
CALC.     DSM = (1613 * 1823) / (5280 * 5280) = (2940499 / 27878400)  =  0.1054759

  // Adjust loops per square mile to loops per demand point.
  DSM := round(DSM * DistStyle^[DS_Index].DensityThreshold);
CALC.     DSM = Round( 0.1054759 * 750 ) = 79
  if Loops >= DSM
CALC.     Since Loops (142) > 79;  then RFA = 1.0
    then RFA := 1.0
    else RFA := RoadFtAdj;

 // process Demand result          // Each demand point is examined 8 times, once for each set of coefficients.
  for Index := 1 to 8 do          // For this example, coefficients 1 through 6 have possitive demands and lengths
    begin                         // so an ARCType 4 will be created for each Index ( 1 through 6 ).
     if (Round(Loops * DistStyle^[DS_Index].DemandCoef[Index]) > 0) and
CALC.        Loops     DCOEF1    DCOEF2    DCOEF3    DCOEF4    DCOEF5    DCOEF6    DCOEF7    DCOEF8
CALC.                  0.2857    0.2143    0.1786    0.1071    0.0714    0.0357    0         0
CALC.        142       41        30        25        15        10        5         0         0
       (Round(DistValues.road_feet * RFA *
            DistStyle^[DS_Index].LengthCoef[Index]) > 0)
CALC.        Roadfeet  RFA       RCOEF1    RCOEF2    RCOEF3    RCOEF4    RCOEF5    RCOEF6    RCOEF7    RCOEF8
CALC.                            0.0714    0.0714    0.0714    0.0714    0.1429    0.5714    0         0
CALC.        5582      1         399       399       399       399       798       3190      0         0
```

```
    then begin
        DM_ICM.t_Arcs.Append;
        DM_ICM.t_Arcs.FieldByName('CLLI').AsString      := DistValues.Clli;
        DM_ICM.t_Arcs.FieldByName('Arc Type').AsInteger  := 4;
        DM_ICM.t_Arcs.FieldByName('X').AsInteger        := DistValues.Cluster.X;
        DM_ICM.t_Arcs.FieldByName('Y').AsInteger        := DistValues.Cluster.Y;
        DM_ICM.t_Arcs.FieldByName('From X').AsInteger   := DistValues.Demand.X;
        DM_ICM.t_Arcs.FieldByName('From Y').AsInteger   := DistValues.Demand.Y;
        DM_ICM.t_Arcs.FieldByName('To X').AsInteger     := DistValues.Demand.X;
        DM_ICM.t_Arcs.FieldByName('To Y').AsInteger     := DistValues.Demand.Y;
        DM_ICM.t_Arcs.FieldByName('Node').AsInteger     := Index;                    // Index 1 through 6
        DM_ICM.t_Arcs.FieldByName('Length').AsFloat     := DistValues.road_feet * RFA *
                    DistStyle^[DS_Index].LengthCoef[Index];                          // Length 1 through 6
        DM_ICM.t_Arcs.FieldByName('DistToOrigin').AsInteger := Index;
        I  := Round(Loops * DistStyle^[DS_Index].DemandCoef[Index]);                 // Demand 1 through 6
        DM_ICM.t_Arcs.FieldByName('Demand').AsFloat     := I;
        DM_ICM.t_Arcs.FieldByName('LoopLenCode').AsInteger:= 0;
        DM_ICM.t_Arcs.FieldByName('Bus Lines').AsFloat  := I * BusF;
        DM_ICM.t_Arcs.FieldByName('Res Lines').AsFloat  := I - DM_ICM.t_Arcs.FieldByName('Bus Lines').AsInteger;
        DM_ICM.t_Arcs.FieldByName('BedRock').AsInteger  := BedRock;
        DM_ICM.t_Arcs.FieldByName('WaterTable').AsInteger := WaterTable;
        DM_ICM.t_Arcs.FieldByName('Elevation').AsInteger  := Elevation;
        DM_ICM.t_Arcs.FieldByName('Highway').AsInteger  := Highway;
        DM_ICM.t_Arcs.FieldByName('CanPlow').AsInteger  := DistStyle^[DS_Index].PlowFlag;
        if Bus_units > DistStyle^[DS_Index].StructHighDenThld
          then DM_ICM.t_Arcs.FieldByName('Structure').AsInteger  := 2
          else DM_ICM.t_Arcs.FieldByName('Structure').AsInteger  := DistStyle^[DS_Index].StructFlag;
        DM_ICM.t_Arcs.FieldByName('IOF').AsInteger      := 0;
        DM_ICM.t_Arcs.FieldByName('HRF').AsInteger      := 0;
        DM_ICM.t_Arcs.Post;
      end;
  end;
end;

end.
```

CLLI	WC Name	DS1 MONTHLY COST	DS3 MONTHLY COST	Reference 1	Reference 2
ALFAFLXA67H	ALAFIA	$ 230.04	$ 1,092.28	17 3	17 4
ALTRFLXARSA	ALTURAS	$ 433.57	$ 1,093.96	17 5	17 6
ANMRFLXA77H	ANNA MARIA	$ 160.39	$ 996.53	17 7	17 8
ABDLFLXA96H	AUBURNDALE	$ 186.39	$ 1,023.80	17 9	17 10
BBPKFLXARSA	BABSON PARK	$ 284.87	$ 1,067.05	17 11	17 12
BARTFLXA53H	BARTOW MAIN	$ 182.11	$ 1,009.68	17 13	17 14
BAYUFLXA54H	BAYOU	$ 184.85	$ 1,022.61	17 15	17 16
BYSHFLXA84H	BAYSHORE	$ 231.23	$ 1,017.06	17 17	17 18
BHPKFLXA28H	BEACH PARK	$ 154.39	$ 989.13	17 19	17 20
BRBAFLXA75H	BRADENTON BAY	$ 194.87	$ 1,051.52	17 21	17 22
BRTNFLXX74H	BRADENTON MAIN	$ 182.23	$ 1,021.41	17 23	17 24
BRJTFLXARSA	BRADLEY	$ 594.52	$ 1,091.42	17 25	17 26
BRNDFLXA68H	BRANDON	$ 186.20	$ 1,043.93	17 27	17 28
CRWDFLXA96H	CARROLLWOOD	$ 191.85	$ 1,048.16	17 29	17 30
CLWRFLXA44H	CLEARWATER	$ 174.46	$ 1,016.38	17 31	17 32
CNSDFLXA79H	COUNTRYSIDE	$ 180.70	$ 1,027.64	17 33	17 34
CYGRFLXA32H	CYPRESS GARDENS	$ 185.36	$ 1,025.45	17 35	17 36
DUNDFLXA43H	DUNDEE	$ 234.63	$ 1,083.93	17 37	17 38
DNDNFLXA73H	DUNEDIN	$ 173.49	$ 1,014.72	17 39	17 40
ENWDFLXA47H	ENGLEWOOD	$ 178.34	$ 1,020.85	17 41	17 42
FHSDFLXA57H	FEATHER SOUND	$ 163.61	$ 997.98	17 43	17 44
FRSTFLXA63H	FROSTPROOF	$ 216.52	$ 1,002.93	17 45	17 46
GNDYFLXA57H	GANDY	$ 160.62	$ 996.06	17 47	17 48
HNCYFLXA42H	HAINES CITY MAIN	$ 195.13	$ 1,035.00	17 49	17 50
HNCYFLXN424	HAINES CITY NORTH	$ 238.00	$ 1,134.07	17 51	17 52
HGLDFLXA64H	HIGHLANDS	$ 190.81	$ 1,054.80	17 53	17 54
HDSNFLXA86H	HUDSON	$ 191.68	$ 1,049.61	17 55	17 56
HYPKFLXADS0	HYDE PARK	$ 162.18	$ 997.98	17 57	17 58
INLKFLXARSA	INDIAN LAKE	$ 651.41	$ 1,141.25	17 59	17 60
INRKFLXX59H	INDIAN ROCKS	$ 162.54	$ 1,003.71	17 61	17 62
KYSTFLXA92H	KEYSTONE	$ 223.35	$ 1,069.52	17 63	17 64
LKALFLXA95H	LAKE ALFRED	$ 218.53	$ 1,021.84	17 65	17 66
LKWLFLXERSA	LAKE WALES EAST	$ 366.88	$ 1,121.66	17 67	17 68
LKWLFLXA67H	LAKE WALES MAIN	$ 196.50	$ 1,018.24	17 69	17 70
LKLDFLXE66H	LAKELAND EAST	$ 202.43	$ 1,040.20	17 71	17 72
LKLDFLXA68H	LAKELAND MAIN	$ 184.53	$ 1,021.86	17 73	17 74
LKLDFLXN85H	LAKELAND NORTH	$ 225.53	$ 1,066.02	17 75	17 76
LNLKFLXA99H	LAND O' LAKES	$ 331.06	$ 1,098.50	17 77	17 78
LRGOFLXA58H	LARGO	$ 177.90	$ 1,018.00	17 79	17 80
LLMNFLXADS0	LEALMAN	$ 184.08	$ 1,026.07	17 81	17 82
LGBKFLXA38H	LONGBOAT	$ 207.99	$ 1,070.08	17 83	17 84
LUTZFLXA94H	LUTZ	$ 191.31	$ 1,041.71	17 85	17 86
MNLKFLXA85H	MOON LAKE	$ 223.80	$ 1,087.10	17 87	17 88
MLBYFLXARSA	MULBERRY	$ 194.52	$ 1,010.42	17 89	17 90
MYCYFLXA32H	MYAKKA CITY	$ 807.20	$ 1,159.38	17 91	17 92
NPRCFLXA84H	NEW PORT RICHEY	$ 190.21	$ 1,052.63	17 93	17 94
NGBHFLXA39H	NORTH GULF BEACH	$ 181.35	$ 1,024.01	17 95	17 96

CLLI	WC Name	DS1 MONTHLY COST	DS3 MONTHLY COST	Reference 1	Reference 2
NRPTFLXA42H	NORTHPORT	$ 215.64	$ 1,024.75	17 97	17 98
NRSDFLXA35H	NORTHSIDE	$ 185.59	$ 1,044.08	17 99	17 100
OLDSFLXA85H	OLDSMAR	$ 187.23	$ 1,038.38	17 101	17 102
OSPRFLXA96H	OSPREY	$ 202.92	$ 1,045.96	17 103	17 104
PLSLFLXA79H	PALMA SOLA	$ 182.47	$ 1,027.62	17 105	17 106
PLMTFLXA72H	PALMETTO	$ 209.19	$ 1,071.53	17 107	17 108
PRSHFLXARSA	PARRISH	$ 744.08	$ 1,118.86	17 109	17 110
PSDNFLXA34H	PASADENA	$ 178.62	$ 1,018.51	17 111	17 112
PNCRFLXA73J	PINECREST	$ 323.69	$ 1,107.47	17 113	17 114
PNLSFLXA53H	PINELLAS	$ 177.18	$ 1,024.38	17 115	17 116
PTCYFLXA75H	PLANT CITY	$ 212.57	$ 1,055.80	17 117	17 118
POINFLXARSA	POINCIANA	$ 530.22	$ 1,011.85	17 119	17 120
PKCYFLXARSA	POLK CITY	$ 342.95	$ 1,053.84	17 121	17 122
RSKNFLXA64H	RUSKIN	$ 208.26	$ 1,056.53	17 123	17 124
SRSTFLXA95H	SARASOTA MAIN	$ 163.12	$ 1,005.15	17 125	17 126
SPRGFLXA37H	SARASOTA SPRINGS	$ 187.53	$ 1,025.00	17 127	17 128
SMNLFLXA23H	SEMINOLE	$ 172.53	$ 1,005.13	17 129	17 130
SNSPFLXA37H	SEVEN SPRINGS	$ 181.37	$ 1,033.22	17 131	17 132
SEKYFLXA34H	SIESTA KEY	$ 171.17	$ 1,015.87	17 133	17 134
SKWYFLXADS0	SKYWAY	$ 175.97	$ 1,013.50	17 135	17 136
SGBEFLXA36H	SOUTH GULF BEACH	$ 170.66	$ 1,017.78	17 137	17 138
SSDSFLXA92H	SOUTHSIDE	$ 192.70	$ 1,052.46	17 139	17 140
SARKFLXARSA	ST. ARMANDS KEY	$ 154.28	$ 980.30	17 141	17 142
STGRFLXA78H	ST. GEORGE	$ 176.17	$ 1,028.20	17 143	17 144
SPBGFLXA89H	ST. PETERSBURG MAIN	$ 158.86	$ 996.07	17 145	17 146
SPBGFLXS86H	ST. PETERSBURG SOUTH	$ 180.09	$ 1,016.59	17 147	17 148
SLSPFLXA93H	SULPHUR SPRINGS	$ 180.49	$ 1,023.30	17 149	17 150
SWTHFLXA88H	SWEETWATER	$ 184.88	$ 1,029.77	17 151	17 152
TAMPFLXEDS0	TAMPA EAST	$ 200.00	$ 1,053.24	17 153	17 154
TAMPFLXX22H	TAMPA MAIN	$ 147.09	$ 980.53	17 155	17 156
TRSPFLXA93H	TARPON SPRINGS	$ 186.51	$ 1,040.84	17 157	17 158
TMTRFLXADS0	TEMPLE TERRACE	$ 175.57	$ 1,011.16	17 159	17 160
THNTFLXADS0	THONOTOSASSA	$ 251.56	$ 1,080.59	17 161	17 162
UNVRFLXA97H	UNIVERSITY	$ 168.75	$ 1,010.88	17 163	17 164
VENCFLXA48H	VENICE MAIN	$ 179.18	$ 1,018.42	17 165	17 166
VENCFLXSDS0	VENICE SOUTH	$ 197.05	$ 1,046.74	17 167	17 168
WLCRFLXA83H	WALLCRAFT	$ 187.84	$ 1,031.67	17 169	17 170
WLCHFLXA97H	WESLEY CHAPEL	$ 219.31	$ 1,082.50	17 171	17 172
WSSDFLXA87H	WESTSIDE	$ 170.93	$ 1,017.81	17 173	17 174
WIMMFLXA63H	WIMAUMA	$ 297.28	$ 1,064.15	17 175	17 176
WNHNFLXC29H	WINTER HAVEN	$ 179.82	$ 1,023.04	17 177	17 178
YBCTFLXA24H	YBOR CITY	$ 195.27	$ 1,024.49	17 179	17 180
ZPHYFLXA78H	ZEPHYRHILLS	$ 202.33	$ 1,050.55	17 181	17 182
TAMPFLXA01T					

High Capacity DS1 Facilities

STATE AVERAGE
NA

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$117.61	$117.61	90.0%	$130.68	63.7%	$83.28
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.05	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$132.54

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$229.42	$2.73	33.3%	$8.19	31.0%	$2.54
OC3 e/w 3 DS3 & 84 DS1 Mux	$229.42	$2.73	33.3%	$8.19	3.9%	$0.32
OC-12 e/w 12 DS3 & 336 DS1	$229.42	$0.68	33.3%	$2.05	1.3%	$0.03
				Weighted Fiber Facility Cost		$2.89
				Subtotal Monthly Cost per DS1		**$135.43**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NICABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$184.24
ADD: Advertising	ADSPSW	0.0027194	$0.50		
Marketing	MKSPSW	0.0116465	$2.15		
Sales	SASPSW	0.0115756	$2.13		$4.78
			Total Monthly Cost per DS1		**$189.02**

High Capacity DS3 Facilities

STATE AVERAGE
NA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.52	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$229.42	$76.47	33.3%	$229.42	18.5%	$42.37
OC-12 w/ 9 DS3	$229.42	$25.49	33.3%	$76.47	0.3%	$0.19
OC-12 w/ 12 DS3	$229.42	$19.12	33.3%	$57.36	27.1%	$15.56
OC48 w/ 24 DS3	$229.42	$9.56	33.3%	$28.68	2.1%	$0.61
OC-48 w/ 48 DS3	$229.42	$4.78	33.3%	$14.34	52.0%	$7.46
					Weighted Fiber Facility Cost	$66.19
				Subtotal Monthly Cost per DS3		**$948.21**
ADD: Maintenance & Support		DS3NAC		$41.44		
Maintenance & Support		NIDABC		$0.21		
Billing & Collection		BCBUS x .65		$7.16		$48.81
						$997.02
ADD: Advertising	ADSPSW	0.0027194		$2.71		
Marketing	MKSPSW	0.0116465		$11.61		
Sales	SASPSW	0.0115756		$11.54		$25.86
				Total Monthly Cost per DS3		**$1,022.89**

High Capacity DS1 Facilities

ALAFIA
ALFAFLXA67H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$169.91	$169.91	90.0%	$188.78	63.7%	$120.31
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$169.57

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$463.86	$5.52	33.3%	$16.57	31.0%	$5.14
OC3 e/w 3 DS3 & 84 DS1 Mux	$463.86	$5.52	33.3%	$16.57	3.9%	$0.65
OC-12 e/w 12 DS3 & 336 DS1	$463.86	$1.38	33.3%	$4.14	1.3%	$0.05
					Weighted Fiber Facility Cost	$5.85
				Subtotal Monthly Cost per DS1		**$175.42**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$224.22
ADD:	Advertising	ADSPSW	0.0027194	$0.61	
	Marketing	MKSPSW	0.0116465	$2.61	
	Sales	SASPSW	0.0115756	$2.60	$5.82
				Total Monthly Cost per DS1	**$230.04**

High Capacity DS3 Facilities

ALAFIA
ALFAFLXA67H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$463.86	$154.62	33.3%	$463.86	18.5%	$85.66
OC-12 w/ 9 DS3	$463.86	$51.54	33.3%	$154.62	0.3%	$0.39
OC-12 w/ 12 DS3	$463.86	$38.66	33.3%	$115.97	27.1%	$31.47
OC48 w/ 24 DS3	$463.86	$19.33	33.3%	$57.98	2.1%	$1.24
OC-48 w/ 48 DS3	$463.86	$9.66	33.3%	$28.99	52.0%	$15.08
				Weighted Fiber Facility Cost		$133.84
				Subtotal Monthly Cost per DS3		**$1,015.86**

ADD: Maintenance & Support		DS3NAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$1,064.67
ADD: Advertising	ADSPSW	0.0027194	$2.90		
Marketing	MKSPSW	0.0116465	$12.40		
Sales	SASPSW	0.0115756	$12.32		$27.62
			Total Monthly Cost per DS3		**$1,092.28**

High Capacity DS1 Facilities

ALTURAS
ALTRFLXARSA

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$449.96	$449.96	90.0%	$499.96	63.7%	$318.63
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$367.88

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$469.51	$5.59	33.3%	$16.77	31.0%	$5.20
OC3 e/w 3 DS3 & 84 DS1 Mux	$469.51	$5.59	33.3%	$16.77	3.9%	$0.66
OC-12 e/w 12 DS3 & 336 DS1	$469.51	$1.40	33.3%	$4.19	1.3%	$0.05
					Weighted Fiber Facility Cost	$5.92
					Subtotal Monthly Cost per DS1	**$373.80**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$422.61
ADD:	Advertising	ADSPSW	0.0027194	$1.15	
	Marketing	MKSPSW	0.0116465	$4.92	
	Sales	SASPSW	0.0115756	$4.89	$10.96
				Total Monthly Cost per DS1	**$433.57**

High Capacity DS3 Facilities

ALTURAS
ALTRFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$469.51	$156.50	33.3%	$469.51	18.5%	$86.71
OC-12 w/ 9 DS3	$469.51	$52.17	33.3%	$156.50	0.3%	$0.39
OC-12 w/ 12 DS3	$469.51	$39.13	33.3%	$117.38	27.1%	$31.85
OC48 w/ 24 DS3	$469.51	$19.56	33.3%	$58.69	2.1%	$1.25
OC-48 w/ 48 DS3	$469.51	$9.78	33.3%	$29.34	52.0%	$15.26
					Weighted Fiber Facility Cost	$135.47
					Subtotal Monthly Cost per DS3	**$1,017.49**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,066.30
ADD:	Advertising	ADSPSW	0.0027194	$2.90	
	Marketing	MKSPSW	0.0116465	$12.42	
	Sales	SASPSW	0.0115756	$12.34	$27.66
				Total Monthly Cost per DS3	**$1,093.96**

High Capacity DS1 Facilities

ANNA MARIA
ANMRFLXA77H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$79.79	$79.79	90.0%	$88.65	63.7%	$56.50
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$105.75

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$140.38	$1.67	33.3%	$5.01	31.0%	$1.56
OC3 e/w 3 DS3 & 84 DS1 Mux	$140.38	$1.67	33.3%	$5.01	3.9%	$0.20
OC-12 e/w 12 DS3 & 336 DS1	$140.38	$0.42	33.3%	$1.25	1.3%	$0.02
				Weighted Fiber Facility Cost		$1.77
				Subtotal Monthly Cost per DS1		**$107.52**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$156.33
ADD:	Advertising	ADSPSW	0.0027194	$0.43	
	Marketing	MKSPSW	0.0116465	$1.82	
	Sales	SASPSW	0.0115756	$1.81	$4.06
				Total Monthly Cost per DS1	**$160.39**

High Capacity DS3 Facilities

ANNA MARIA
ANMRFLXA77H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$140.38	$46.79	33.3%	$140.38	18.5%	$25.92
OC-12 w/ 9 DS3	$140.38	$15.60	33.3%	$46.79	0.3%	$0.12
OC-12 w/ 12 DS3	$140.38	$11.70	33.3%	$35.10	27.1%	$9.52
OC48 w/ 24 DS3	$140.38	$5.85	33.3%	$17.55	2.1%	$0.37
OC-48 w/ 48 DS3	$140.38	$2.92	33.3%	$8.77	52.0%	$4.56
					Weighted Fiber Facility Cost	$40.50
					Subtotal Monthly Cost per DS3	**$922.52**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$971.33
ADD:	Advertising	ADSPSW	0.0027194	$2.64	
	Marketing	MKSPSW	0.0116465	$11.31	
	Sales	SASPSW	0.0115756	$11.24	$25.20
				Total Monthly Cost per DS3	**$996.53**

High Capacity DS1 Facilities

AUBURNDALE
ABDLFLXA96H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$113.93	$113.93	90.0%	$126.59	63.7%	$80.68
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,266.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$129.93

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$232.49	$2.77	33.3%	$8.30	31.0%	$2.58
OC3 e/w 3 DS3 & 84 DS1 Mux	$232.49	$2.77	33.3%	$8.30	3.9%	$0.33
OC-12 e/w 12 DS3 & 336 DS1	$232.49	$0.69	33.3%	$2.08	1.3%	$0.03
					Weighted Fiber Facility Cost	$2.93
				Subtotal Monthly Cost per DS1		**$132.86**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$181.67
ADD:	Advertising	ADSPSW	0.0027194	$0.49	
	Marketing	MKSPSW	0.0116465	$2.12	
	Sales	SASPSW	0.0115756	$2.10	$4.71
				Total Monthly Cost per DS1	**$186.39**

High Capacity DS3 Facilities

AUBURNDALE
ABDLFLXA96H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,566.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$232.49	$77.50	33.3%	$232.49	18.5%	$42.93
OC-12 w/ 9 DS3	$232.49	$25.83	33.3%	$77.50	0.3%	$0.19
OC-12 w/ 12 DS3	$232.49	$19.37	33.3%	$58.12	27.1%	$15.77
OC48 w/ 24 DS3	$232.49	$9.69	33.3%	$29.06	2.1%	$0.62
OC-48 w/ 48 DS3	$232.49	$4.84	33.3%	$14.53	52.0%	$7.56
					Weighted Fiber Facility Cost	$67.08
					Subtotal Monthly Cost per DS3	**$949.10**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$997.91
ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.62	
	Sales	SASPSW	0.0115756	$11.55	$25.89
				Total Monthly Cost per DS3	**$1,023.80**

High Capacity DS1 Facilities

BABSON PARK
BBPKFLXARSA

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$246.89	$246.89	90.0%	$274.32	63.7%	$174.83
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,086.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$224.08

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$378.60	$4.51	33.3%	$13.52	31.0%	$4.20
OC3 e/w 3 DS3 & 84 DS1 Mux	$378.60	$4.51	33.3%	$13.52	3.9%	$0.53
OC-12 e/w 12 DS3 & 336 DS1	$378.60	$1.13	33.3%	$3.38	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.77
					Subtotal Monthly Cost per DS1	**$228.85**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$277.66
ADD:	Advertising	ADSPSW	0.0027194	$0.76	
	Marketing	MKSPSW	0.0116465	$3.23	
	Sales	SASPSW	0.0115756	$3.21	$7.20
				Total Monthly Cost per DS1	**$284.87**

High Capacity DS3 Facilities

BABSON PARK
BBPKFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$378.60	$126.20	33.3%	$378.60	18.5%	$69.92
OC-12 w/ 9 DS3	$378.60	$42.07	33.3%	$126.20	0.3%	$0.32
OC-12 w/ 12 DS3	$378.60	$31.55	33.3%	$94.65	27.1%	$25.68
OC48 w/ 24 DS3	$378.60	$15.78	33.3%	$47.33	2.1%	$1.01
OC-48 w/ 48 DS3	$378.60	$7.89	33.3%	$23.66	52.0%	$12.31
					Weighted Fiber Facility Cost	$109.24
				Subtotal Monthly Cost per DS3		**$991.26**
ADD: Maintenance & Support		DS3NAC		$41.44		
Maintenance & Support		NIDABC		$0.21		
Billing & Collection		BCBUS x .65		$7.16		$48.81
						$1,040.07
ADD: Advertising	ADSPSW	0.0027194		$2.83		
Marketing	MKSPSW	0.0116465		$12.11		
Sales	SASPSW	0.0115756		$12.04		$26.98
				Total Monthly Cost per DS3		**$1,067.05**

High Capacity DS1 Facilities

BARTOW MAIN
BARTFLXA53H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$108.90	$108.90	90.0%	$121.00	63.7%	$77.11
OC3 e/w 84 DS1s	$1,836.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.26	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$126.37

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$184.80	$2.20	33.3%	$6.60	31.0%	$2.05
OC3 e/w 3 DS3 & 84 DS1 Mux	$184.80	$2.20	33.3%	$6.60	3.9%	$0.26
OC-12 e/w 12 DS3 & 336 DS1	$184.80	$0.55	33.3%	$1.65	1.3%	$0.02
					Weighted Fiber Facility Cost	$2.33
					Subtotal Monthly Cost per DS1	**$128.70**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$177.51
ADD:	Advertising	ADSPSW	0.0027194	$0.48	
	Marketing	MKSPSW	0.0116465	$2.07	
	Sales	SASPSW	0.0115756	$2.05	$4.60
				Total Monthly Cost per DS1	**$182.11**

High Capacity DS3 Facilities

BARTOW MAIN
BARTFLXA53H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.66	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$184.80	$61.60	33.3%	$184.80	18.5%	$34.13
OC-12 w/ 9 DS3	$184.80	$20.53	33.3%	$61.60	0.3%	$0.15
OC-12 w/ 12 DS3	$184.80	$15.40	33.3%	$46.20	27.1%	$12.54
OC48 w/ 24 DS3	$184.80	$7.70	33.3%	$23.10	2.1%	$0.49
OC-48 w/ 48 DS3	$184.80	$3.85	33.3%	$11.55	52.0%	$6.01
				Weighted Fiber Facility Cost		$53.32
				Subtotal Monthly Cost per DS3		**$935.34**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$984.15
ADD:	Advertising	ADSPSW	0.0027194	$2.68	
	Marketing	MKSPSW	0.0116465	$11.46	
	Sales	SASPSW	0.0115756	$11.39	$25.53
				Total Monthly Cost per DS3	**$1,009.68**

High Capacity DS1 Facilities

BAYOU
BAYUFLXA54H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$111.89	$111.89	90.0%	$124.33	63.7%	$79.23
OC3 e/w 84 DS1s	$1,936.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.26	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$128.49

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$228.47	$2.72	33.3%	$8.16	31.0%	$2.53
OC3 e/w 3 DS3 & 84 DS1 Mux	$228.47	$2.72	33.3%	$8.16	3.9%	$0.32
OC-12 e/w 12 DS3 & 336 DS1	$228.47	$0.68	33.3%	$2.04	1.3%	$0.03
					Weighted Fiber Facility Cost	$2.88
					Subtotal Monthly Cost per DS1	**$131.37**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$180.18
ADD:	Advertising	ADSPSW	0.0027194	$0.49	
	Marketing	MKSPSW	0.0116465	$2.10	
	Sales	SASPSW	0.0115756	$2.09	$4.67
				Total Monthly Cost per DS1	**$184.85**

High Capacity DS3 Facilities

BAYOU
BAYUFLXA54H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$228.47	$76.16	33.3%	$228.47	18.5%	$42.19
OC-12 w/ 9 DS3	$228.47	$25.39	33.3%	$76.16	0.3%	$0.19
OC-12 w/ 12 DS3	$228.47	$19.04	33.3%	$57.12	27.1%	$15.50
OC48 w/ 24 DS3	$228.47	$9.52	33.3%	$28.56	2.1%	$0.61
OC-48 w/ 48 DS3	$228.47	$4.76	33.3%	$14.28	52.0%	$7.43
					Weighted Fiber Facility Cost	$65.92
					Subtotal Monthly Cost per DS3	**$947.94**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$996.75
ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.61	
	Sales	SASPSW	0.0115756	$11.54	$25.86
				Total Monthly Cost per DS3	**$1,022.61**

High Capacity DS1 Facilities

BAYSHORE
BYSHFLXA84H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$176.06	$176.06	90.0%	$195.62	63.7%	$124.67
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.26	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.89	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$173.93

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$209.72	$2.50	33.3%	$7.49	31.0%	$2.32
OC3 e/w 3 DS3 & 84 DS1 Mux	$209.72	$2.50	33.3%	$7.49	3.9%	$0.30
OC-12 e/w 12 DS3 & 336 DS1	$209.72	$0.62	33.3%	$1.87	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.64
				Subtotal Monthly Cost per DS1		**$176.57**

ADD: Maintenance & Support	DS1PRINAC		$41.44		
Maintenance & Support	NIDABC		$0.21		
Billing & Collection	BCBUS x .65		$7.16		$48.81
					$225.38
ADD: Advertising	ADSPSW	0.0027194	$0.61		
Marketing	MKSPSW	0.0116465	$2.62		
Sales	SASPSW	0.0115756	$2.61		$5.85
			Total Monthly Cost per DS1		**$231.23**

High Capacity DS3 Facilities

BAYSHORE
BYSHFLXA84H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,426.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,918.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$209.72	$69.91	33.3%	$209.72	18.5%	$38.73
OC-12 w/ 9 DS3	$209.72	$23.30	33.3%	$69.91	0.3%	$0.18
OC-12 w/ 12 DS3	$209.72	$17.48	33.3%	$52.43	27.1%	$14.23
OC48 w/ 24 DS3	$209.72	$8.74	33.3%	$26.22	2.1%	$0.56
OC-48 w/ 48 DS3	$209.72	$4.37	33.3%	$13.11	52.0%	$6.82
				Weighted Fiber Facility Cost		$60.51
				Subtotal Monthly Cost per DS3		**$942.53**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$991.34
ADD:	Advertising	ADSPSW	0.0027194	$2.70	
	Marketing	MKSPSW	0.0116465	$11.55	
	Sales	SASPSW	0.0115756	$11.48	$25.72
				Total Monthly Cost per DS3	**$1,017.06**

High Capacity DS1 Facilities

BEACH PARK
BHPKFLXA28H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$71.98	$71.98	90.0%	$79.97	63.7%	$50.97
OC3 e/w 84 DS1s	$1,886.46	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.89	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$100.22

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$115.39	$1.37	33.3%	$4.12	31.0%	$1.28
OC3 e/w 3 DS3 & 84 DS1 Mux	$115.39	$1.37	33.3%	$4.12	3.9%	$0.16
OC-12 e/w 12 DS3 & 336 DS1	$115.39	$0.34	33.3%	$1.03	1.3%	$0.01
					Weighted Fiber Facility Cost	$1.45
					Subtotal Monthly Cost per DS1	**$101.68**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$150.49
ADD:	Advertising	ADSPSW	0.0027194	$0.41	
	Marketing	MKSPSW	0.0116465	$1.75	
	Sales	SASPSW	0.0115756	$1.74	$3.90
				Total Monthly Cost per DS1	**$154.39**

High Capacity DS3 Facilities

BEACH PARK
BHPKFLXA28H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	[illegible]	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	[illegible]	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	[illegible]	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$115.39	$38.46	33.3%	$115.39	18.5%	$21.31
OC-12 w/ 9 DS3	$115.39	$12.82	33.3%	$38.46	0.3%	$0.10
OC-12 w/ 12 DS3	$115.39	$9.62	33.3%	$28.85	27.1%	$7.83
OC48 w/ 24 DS3	$115.39	$4.81	33.3%	$14.42	2.1%	$0.31
OC-48 w/ 48 DS3	$115.39	$2.40	33.3%	$7.21	52.0%	$3.75
					Weighted Fiber Facility Cost	$33.29
					Subtotal Monthly Cost per DS3	**$915.31**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$964.12

ADD:	Advertising	ADSPSW	0.0027194	$2.62	
	Marketing	MKSPSW	0.0116465	$11.23	
	Sales	SASPSW	0.0115756	$11.16	$25.01
				Total Monthly Cost per DS3	**$989.13**

High Capacity DS1 Facilities

BRADENTON BAY
BRBAFLXA75H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$123.94	$123.94	90.0%	$137.71	63.7%	$87.77
OC3 e/w 84 DS1s	$1,936.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.26	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$137.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$326.13	$3.88	33.3%	$11.65	31.0%	$3.61
OC3 e/w 3 DS3 & 84 DS1 Mux	$326.13	$3.88	33.3%	$11.65	3.9%	$0.46
OC-12 e/w 12 DS3 & 336 DS1	$326.13	$0.97	33.3%	$2.91	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.11
					Subtotal Monthly Cost per DS1	**$141.13**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$189.94
ADD:	Advertising	ADSPSW	0.0027194	$0.52	
	Marketing	MKSPSW	0.0116465	$2.21	
	Sales	SASPSW	0.0115756	$2.20	$4.93
				Total Monthly Cost per DS1	**$194.87**

High Capacity DS3 Facilities

BRADENTON BAY
BRBAFLXA75H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.66	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$326.13	$108.71	33.3%	$326.13	18.5%	$60.23
OC-12 w/ 9 DS3	$326.13	$36.24	33.3%	$108.71	0.3%	$0.27
OC-12 w/ 12 DS3	$326.13	$27.18	33.3%	$81.53	27.1%	$22.12
OC48 w/ 24 DS3	$326.13	$13.59	33.3%	$40.77	2.1%	$0.87
OC-48 w/ 48 DS3	$326.13	$6.79	33.3%	$20.38	52.0%	$10.60
					Weighted Fiber Facility Cost	$94.10
					Subtotal Monthly Cost per DS3	**$976.12**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,024.93
ADD:	Advertising	ADSPSW	0.0027194	$2.79	
	Marketing	MKSPSW	0.0116465	$11.94	
	Sales	SASPSW	0.0115756	$11.86	$26.59
				Total Monthly Cost per DS3	**$1,051.52**

High Capacity DS1 Facilities

BRADENTON MAIN
BRTNFLXX74H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$108.35	$108.35	90.0%	$120.39	63.7%	$76.73
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.59	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$125.98

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$224.44	$2.67	33.3%	$8.02	31.0%	$2.49
OC3 e/w 3 DS3 & 84 DS1 Mux	$224.44	$2.67	33.3%	$8.02	3.9%	$0.32
OC-12 e/w 12 DS3 & 336 DS1	$224.44	$0.67	33.3%	$2.00	1.3%	$0.03
				Weighted Fiber Facility Cost		$2.83
				Subtotal Monthly Cost per DS1		**$128.81**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$177.62
ADD:	Advertising	ADSPSW	0.0027194	$0.48	
	Marketing	MKSPSW	0.0116465	$2.07	
	Sales	SASPSW	0.0115756	$2.06	$4.61
				Total Monthly Cost per DS1	**$182.23**

High Capacity DS3 Facilities

BRADENTON MAIN
BRTNFLXX74H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.98	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.66	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,318.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$224.44	$74.81	33.3%	$224.44	18.5%	$41.45
OC-12 w/ 9 DS3	$224.44	$24.94	33.3%	$74.81	0.3%	$0.19
OC-12 w/ 12 DS3	$224.44	$18.70	33.3%	$56.11	27.1%	$15.23
OC48 w/ 24 DS3	$224.44	$9.35	33.3%	$28.06	2.1%	$0.60
OC-48 w/ 48 DS3	$224.44	$4.68	33.3%	$14.03	52.0%	$7.30
					Weighted Fiber Facility Cost	$64.76
					Subtotal Monthly Cost per DS3	**$946.78**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$995.59
ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.60	
	Sales	SASPSW	0.0115756	$11.52	$25.83
				Total Monthly Cost per DS3	**$1,021.41**

High Capacity DS1 Facilities

BRADLEY
BRJTFLXARSA

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$671.65	$671.65	90.0%	$746.28	63.7%	$475.61
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$524.86

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$460.94	$5.49	33.3%	$16.46	31.0%	$5.11
OC3 e/w 3 DS3 & 84 DS1 Mux	$460.94	$5.49	33.3%	$16.46	3.9%	$0.65
OC-12 e/w 12 DS3 & 336 DS1	$460.94	$1.37	33.3%	$4.12	1.3%	$0.05
				Weighted Fiber Facility Cost		$5.81
				Subtotal Monthly Cost per DS1		**$530.67**

ADD:	Maintenance & Support	DS1PRINAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$579.48
ADD:	Advertising	ADSPSW	0.0027194	$1.58	
	Marketing	MKSPSW	0.0116465	$6.75	
	Sales	SASPSW	0.0115756	$6.71	$15.03
				Total Monthly Cost per DS1	**$594.52**

High Capacity DS3 Facilities

BRADLEY
BRJTFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.89	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,878.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$460.94	$153.65	33.3%	$460.94	18.5%	$85.12
OC-12 w/ 9 DS3	$460.94	$51.22	33.3%	$153.65	0.3%	$0.39
OC-12 w/ 12 DS3	$460.94	$38.41	33.3%	$115.24	27.1%	$31.27
OC48 w/ 24 DS3	$460.94	$19.21	33.3%	$57.62	2.1%	$1.23
OC-48 w/ 48 DS3	$460.94	$9.60	33.3%	$28.81	52.0%	$14.98
					Weighted Fiber Facility Cost	$132.99
				Subtotal Monthly Cost per DS3		**$1,015.01**
ADD: Maintenance & Support		DS3NAC		$41.44		
Maintenance & Support		NIDABC		$0.21		
Billing & Collection		BCBUS x .65		$7.16		$48.81
						$1,063.82
ADD: Advertising	ADSPSW	0.0027194		$2.89		
Marketing	MKSPSW	0.0116465		$12.39		
Sales	SASPSW	0.0115756		$12.31		$27.60
				Total Monthly Cost per DS3		**$1,091.42**

High Capacity DS1 Facilities

BRANDON
BRNDFLXA68H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$112.47	$112.47	90.0%	$124.97	63.7%	$79.64
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$128.90

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$300.50	$3.58	33.3%	$10.73	31.0%	$3.33
OC3 e/w 3 DS3 & 84 DS1 Mux	$300.50	$3.58	33.3%	$10.73	3.9%	$0.42
OC-12 e/w 12 DS3 & 336 DS1	$300.50	$0.89	33.3%	$2.68	1.3%	$0.03
				Weighted Fiber Facility Cost		$3.79
				Subtotal Monthly Cost per DS1		**$132.69**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$181.50
ADD: Advertising	ADSPSW	0.0027194	$0.49		
Marketing	MKSPSW	0.0116465	$2.11		
Sales	SASPSW	0.0115756	$2.10		$4.71
			Total Monthly Cost per DS1		**$186.20**

High Capacity DS3 Facilities

BRANDON
BRNDFLXA68H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,870.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$3,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.82	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,618.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$300.50	$100.17	33.3%	$300.50	18.5%	$55.49
OC-12 w/ 9 DS3	$300.50	$33.39	33.3%	$100.17	0.3%	$0.25
OC-12 w/ 12 DS3	$300.50	$25.04	33.3%	$75.13	27.1%	$20.39
OC48 w/ 24 DS3	$300.50	$12.52	33.3%	$37.56	2.1%	$0.80
OC-48 w/ 48 DS3	$300.50	$6.26	33.3%	$18.78	52.0%	$9.77
					Weighted Fiber Facility Cost	$86.70
				Subtotal Monthly Cost per DS3		**$968.72**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,017.53
ADD:	Advertising	ADSPSW	0.0027194	$2.77	
	Marketing	MKSPSW	0.0116465	$11.85	
	Sales	SASPSW	0.0115756	$11.78	$26.40
				Total Monthly Cost per DS3	**$1,043.93**

High Capacity DS1 Facilities

CARROLLWOOD
CRWDFLXA96H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$119.99	$119.99	90.0%	$133.32	63.7%	$84.96
OC3 e/w 84 DS1s	$1,888.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,068.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$134.22

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$314.79	$3.75	33.3%	$11.24	31.0%	$3.49
OC3 e/w 3 DS3 & 84 DS1 Mux	$314.79	$3.75	33.3%	$11.24	3.9%	$0.44
OC-12 e/w 12 DS3 & 336 DS1	$314.79	$0.94	33.3%	$2.81	1.3%	$0.04
				Weighted Fiber Facility Cost		$3.97
				Subtotal Monthly Cost per DS1		**$138.19**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$187.00
ADD:	Advertising	ADSPSW	0.0027194	$0.51	
	Marketing	MKSPSW	0.0116465	$2.18	
	Sales	SASPSW	0.0115756	$2.16	$4.85
				Total Monthly Cost per DS1	**$191.85**

High Capacity DS3 Facilities

CARROLLWOOD
CRWDFLXA96H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w. 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.89	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$314.79	$104.93	33.3%	$314.79	18.5%	$58.13
OC-12 w/ 9 DS3	$314.79	$34.98	33.3%	$104.93	0.3%	$0.26
OC-12 w/ 12 DS3	$314.79	$26.23	33.3%	$78.70	27.1%	$21.36
OC48 w/ 24 DS3	$314.79	$13.12	33.3%	$39.35	2.1%	$0.84
OC-48 w/ 48 DS3	$314.79	$6.56	33.3%	$19.67	52.0%	$10.23
					Weighted Fiber Facility Cost	$90.83
					Subtotal Monthly Cost per DS3	**$972.85**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,021.66
ADD:	Advertising	ADSPSW	0.0027194	$2.78	
	Marketing	MKSPSW	0.0116465	$11.90	
	Sales	SASPSW	0.0115756	$11.83	$26.50
				Total Monthly Cost per DS3	**$1,048.16**

High Capacity DS1 Facilities

CLEARWATER
CLWRFLXA44H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$97.96	$97.96	90.0%	$108.84	63.7%	$69.37
OC3 e/w 84 DS1s	$1,966.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$118.62

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$207.44	$2.47	33.3%	$7.41	31.0%	$2.30
OC3 e/w 3 DS3 & 84 DS1 Mux	$207.44	$2.47	33.3%	$7.41	3.9%	$0.29
OC-12 e/w 12 DS3 & 336 DS1	$207.44	$0.62	33.3%	$1.85	1.3%	$0.02
					Weighted Fiber Facility Cost	$2.62
				Subtotal Monthly Cost per DS1		**$121.24**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$170.05
ADD:	Advertising	ADSPSW	0.0027194	$0.46	
	Marketing	MKSPSW	0.0116465	$1.98	
	Sales	SASPSW	0.0115756	$1.97	$4.41
			Total Monthly Cost per DS1		**$174.46**

High Capacity DS3 Facilities

CLEARWATER
CLWRFLXA44H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$207.44	$69.15	33.3%	$207.44	18.5%	$38.31
OC-12 w/ 9 DS3	$207.44	$23.05	33.3%	$69.15	0.3%	$0.17
OC-12 w/ 12 DS3	$207.44	$17.29	33.3%	$51.86	27.1%	$14.07
OC48 w/ 24 DS3	$207.44	$8.64	33.3%	$25.93	2.1%	$0.55
OC-48 w/ 48 DS3	$207.44	$4.32	33.3%	$12.97	52.0%	$6.74
					Weighted Fiber Facility Cost	$59.85
					Subtotal Monthly Cost per DS3	**$941.87**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$990.68
ADD:	Advertising	ADSPSW	0.0027194	$2.69	
	Marketing	MKSPSW	0.0116465	$11.54	
	Sales	SASPSW	0.0115756	$11.47	$25.70
				Total Monthly Cost per DS3	**$1,016.38**

High Capacity DS1 Facilities

COUNTRYSIDE
CNSDFLXA79H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$105.87	$105.87	90.0%	$117.63	63.7%	$74.97
OC3 e/w 84 DS1s	$1,866.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$124.22

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$245.46	$2.92	33.3%	$8.77	31.0%	$2.72
OC3 e/w 3 DS3 & 84 DS1 Mux	$245.46	$2.92	33.3%	$8.77	3.9%	$0.35
OC-12 e/w 12 DS3 & 336 DS1	$245.46	$0.73	33.3%	$2.19	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.09
				Subtotal Monthly Cost per DS1		**$127.32**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NiDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$176.13
ADD:	Advertising	ADSPSW	0.0027194	$0.48	
	Marketing	MKSPSW	0.0116465	$2.05	
	Sales	SASPSW	0.0115756	$2.04	$4.57
			Total Monthly Cost per DS1		**$180.70**

High Capacity DS3 Facilities

COUNTRYSIDE
CNSDFLXA79H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,878.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$245.46	$81.82	33.3%	$245.46	18.5%	$45.33
OC-12 w/ 9 DS3	$245.46	$27.27	33.3%	$81.82	0.3%	$0.21
OC-12 w/ 12 DS3	$245.46	$20.46	33.3%	$61.37	27.1%	$16.65
OC48 w/ 24 DS3	$245.46	$10.23	33.3%	$30.68	2.1%	$0.66
OC-48 w/ 48 DS3	$245.46	$5.11	33.3%	$15.34	52.0%	$7.98
					Weighted Fiber Facility Cost	$70.82
					Subtotal Monthly Cost per DS3	**$952.84**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,001.65
ADD:	Advertising	ADSPSW	0.0027194	$2.72	
	Marketing	MKSPSW	0.0116465	$11.67	
	Sales	SASPSW	0.0115756	$11.59	$25.98
				Total Monthly Cost per DS3	**$1,027.64**

High Capacity DS1 Facilities

CYPRESS GARDENS
CYGRFLXA32H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$112.42	$112.42	90.0%	$124.91	63.7%	$79.60
OC3 e/w 84 DS1s	$1,888.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$128.86

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$238.09	$2.83	33.3%	$8.50	31.0%	$2.64
OC3 e/w 3 DS3 & 84 DS1 Mux	$238.09	$2.83	33.3%	$8.50	3.9%	$0.34
OC-12 e/w 12 DS3 & 336 DS1	$238.09	$0.71	33.3%	$2.13	1.3%	$0.03
				Weighted Fiber Facility Cost		$3.00
				Subtotal Monthly Cost per DS1		**$131.86**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$180.67
ADD:	Advertising	ADSPSW	0.0027194	$0.49	
	Marketing	MKSPSW	0.0116465	$2.10	
	Sales	SASPSW	0.0115756	$2.09	$4.69
				Total Monthly Cost per DS1	**$185.36**

High Capacity DS3 Facilities

CYPRESS GARDENS
CYGRFLXA32H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,426.66	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,318.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$238.09	$79.36	33.3%	$238.09	18.5%	$43.97
OC-12 w/ 9 DS3	$238.09	$26.45	33.3%	$79.36	0.3%	$0.20
OC-12 w/ 12 DS3	$238.09	$19.84	33.3%	$59.52	27.1%	$16.15
OC48 w/ 24 DS3	$238.09	$9.92	33.3%	$29.76	2.1%	$0.64
OC-48 w/ 48 DS3	$238.09	$4.96	33.3%	$14.88	52.0%	$7.74
				Weighted Fiber Facility Cost		$68.70
				Subtotal Monthly Cost per DS3		**$950.72**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$999.53
ADD:	Advertising	ADSPSW	0.0027194	$2.72	
	Marketing	MKSPSW	0.0116465	$11.64	
	Sales	SASPSW	0.0115756	$11.57	$25.93
				Total Monthly Cost per DS3	**$1,025.45**

High Capacity DS1 Facilities

DUNDEE
DUNDFLXA43H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$176.73	$176.73	90.0%	$196.36	63.7%	$125.14
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$174.40

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$435.63	$5.19	33.3%	$15.56	31.0%	$4.83
OC3 e/w 3 DS3 & 84 DS1 Mux	$435.63	$5.19	33.3%	$15.56	3.9%	$0.61
OC-12 e/w 12 DS3 & 336 DS1	$435.63	$1.30	33.3%	$3.89	1.3%	$0.05
					Weighted Fiber Facility Cost	$5.49
				Subtotal Monthly Cost per DS1		**$179.89**

ADD:	Maintenance & Support		DS1PRINAC	$41.44	
	Maintenance & Support		NIDABC	$0.21	
	Billing & Collection		BCBUS x .65	$7.16	$48.81
					$228.70
ADD:	Advertising	ADSPSW	0.0027194	$0.62	
	Marketing	MKSPSW	0.0116465	$2.66	
	Sales	SASPSW	0.0115756	$2.65	$5.93
			Total Monthly Cost per DS1		**$234.63**

High Capacity DS3 Facilities

DUNDEE
DUNDFLXA43H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$6,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,813.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$435.63	$145.21	33.3%	$435.63	18.5%	$80.45
OC-12 w/ 9 DS3	$435.63	$48.40	33.3%	$145.21	0.3%	$0.36
OC-12 w/ 12 DS3	$435.63	$36.30	33.3%	$108.91	27.1%	$29.55
OC48 w/ 24 DS3	$435.63	$18.15	33.3%	$54.45	2.1%	$1.16
OC-48 w/ 48 DS3	$435.63	$9.08	33.3%	$27.23	52.0%	$14.16
					Weighted Fiber Facility Cost	$125.69
					Subtotal Monthly Cost per DS3	**$1,007.71**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,056.52
ADD:	Advertising	ADSPSW	0.0027194	$2.87	
	Marketing	MKSPSW	0.0116465	$12.30	
	Sales	SASPSW	0.0115756	$12.23	$27.41
				Total Monthly Cost per DS3	**$1,083.93**

High Capacity DS1 Facilities

DUNEDIN
DNDNFLXA73H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$96.73	$96.73	90.0%	$107.48	63.7%	$68.50
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,086.89	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$117.75

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$201.82	$2.40	33.3%	$7.21	31.0%	$2.24
OC3 e/w 3 DS3 & 84 DS1 Mux	$201.82	$2.40	33.3%	$7.21	3.9%	$0.28
OC-12 e/w 12 DS3 & 336 DS1	$201.82	$0.60	33.3%	$1.80	1.3%	$0.02
					Weighted Fiber Facility Cost	$2.54
				Subtotal Monthly Cost per DS1		**$120.30**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$169.11
ADD: Advertising	ADSPSW	0.0027194	$0.46		
Marketing	MKSPSW	0.0116465	$1.97		
Sales	SASPSW	0.0115756	$1.96		$4.39
			Total Monthly Cost per DS1		**$173.49**

High Capacity DS3 Facilities

DUNEDIN
DNDNFLXA73H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,819.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$201.82	$67.27	33.3%	$201.82	18.5%	$37.27
OC-12 w/ 9 DS3	$201.82	$22.42	33.3%	$67.27	0.3%	$0.17
OC-12 w/ 12 DS3	$201.82	$16.82	33.3%	$50.46	27.1%	$13.69
OC48 w/ 24 DS3	$201.82	$8.41	33.3%	$25.23	2.1%	$0.54
OC-48 w/ 48 DS3	$201.82	$4.20	33.3%	$12.61	52.0%	$6.56
				Weighted Fiber Facility Cost		$58.23
				Subtotal Monthly Cost per DS3		**$940.25**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NtDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$989.06
ADD:	Advertising	ADSPSW	0.0027194	$2.69	
	Marketing	MKSPSW	0.0116465	$11.52	
	Sales	SASPSW	0.0115756	$11.45	$25.66
			Total Monthly Cost per DS3		**$1,014.72**

High Capacity DS1 Facilities

ENGLEWOOD
ENWDFLXA47H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$103.03	$103.03	90.0%	$114.48	63.7%	$72.96
OC3 e/w 84 DS1s	$1,936.46	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.26	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$122.21

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$222.53	$2.65	33.3%	$7.95	31.0%	$2.47
OC3 e/w 3 DS3 & 84 DS1 Mux	$222.53	$2.65	33.3%	$7.95	3.9%	$0.31
OC-12 e/w 12 DS3 & 336 DS1	$222.53	$0.66	33.3%	$1.99	1.3%	$0.03
				Weighted Fiber Facility Cost		$2.81
				Subtotal Monthly Cost per DS1		**$125.02**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$173.83
ADD:	Advertising	ADSPSW	0.0027194	$0.47	
	Marketing	MKSPSW	0.0116465	$2.02	
	Sales	SASPSW	0.0115756	$2.01	$4.51
				Total Monthly Cost per DS1	**$178.34**

High Capacity DS3 Facilities

ENGLEWOOD
ENWDFLXA47H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$222.53	$74.18	33.3%	$222.53	18.5%	$41.10
OC-12 w/ 9 DS3	$222.53	$24.73	33.3%	$74.18	0.3%	$0.19
OC-12 w/ 12 DS3	$222.53	$18.54	33.3%	$55.63	27.1%	$15.10
OC48 w/ 24 DS3	$222.53	$9.27	33.3%	$27.82	2.1%	$0.59
OC-48 w/ 48 DS3	$222.53	$4.64	33.3%	$13.91	52.0%	$7.23
					Weighted Fiber Facility Cost	$64.21
					Subtotal Monthly Cost per DS3	**$946.23**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$995.04
ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.59	
	Sales	SASPSW	0.0115756	$11.52	$25.81
				Total Monthly Cost per DS3	**$1,020.85**

High Capacity DS1 Facilities

FEATHER SOUND
FHSDFLXA57H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$84.14	$84.14	90.0%	$93.49	63.7%	$59.58
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,366.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$108.84

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$145.27	$1.73	33.3%	$5.19	31.0%	$1.61
OC3 e/w 3 DS3 & 84 DS1 Mux	$145.27	$1.73	33.3%	$5.19	3.9%	$0.20
OC-12 e/w 12 DS3 & 336 DS1	$145.27	$0.43	33.3%	$1.30	1.3%	$0.02
				Weighted Fiber Facility Cost		$1.83
				Subtotal Monthly Cost per DS1		**$110.67**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$159.48
ADD:	Advertising	ADSPSW	0.0027194	$0.43	
	Marketing	MKSPSW	0.0116465	$1.86	
	Sales	SASPSW	0.0115756	$1.85	$4.14
				Total Monthly Cost per DS1	**$163.61**

High Capacity DS3 Facilities

FEATHER SOUND
FHSDFLXA57H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$145.27	$48.42	33.3%	$145.27	18.5%	$26.83
OC-12 w/ 9 DS3	$145.27	$16.14	33.3%	$48.42	0.3%	$0.12
OC-12 w/ 12 DS3	$145.27	$12.11	33.3%	$36.32	27.1%	$9.86
OC48 w/ 24 DS3	$145.27	$6.05	33.3%	$18.16	2.1%	$0.39
OC-48 w/ 48 DS3	$145.27	$3.03	33.3%	$9.08	52.0%	$4.72
					Weighted Fiber Facility Cost	$41.91
					Subtotal Monthly Cost per DS3	**$923.94**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$972.74
ADD:	Advertising	ADSPSW	0.0027194	$2.65	
	Marketing	MKSPSW	0.0116465	$11.33	
	Sales	SASPSW	0.0115756	$11.26	$25.23
				Total Monthly Cost per DS3	**$997.98**

High Capacity DS1 Facilities

FROSTPROOF
FRSTFLXA63H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$156.67	$156.67	90.0%	$174.08	63.7%	$110.94
OC3 e/w 84 DS1s	$1,885.46	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.26	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,366.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$160.20

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$162.00	$1.93	33.3%	$5.79	31.0%	$1.80
OC3 e/w 3 DS3 & 84 DS1 Mux	$162.00	$1.93	33.3%	$5.79	3.9%	$0.23
OC-12 e/w 12 DS3 & 336 DS1	$162.00	$0.48	33.3%	$1.45	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.04
				Subtotal Monthly Cost per DS1		**$162.24**

ADD:	Maintenance & Support		DS1PRINAC	$41.44	
	Maintenance & Support		NIDABC	$0.21	
	Billing & Collection		BCBUS x .65	$7.16	$48.81
					$211.05
ADD:	Advertising	ADSPSW	0.0027194	$0.57	
	Marketing	MKSPSW	0.0116465	$2.46	
	Sales	SASPSW	0.0115756	$2.44	$5.47
			Total Monthly Cost per DS1		**$216.52**

High Capacity DS3 Facilities

FROSTPROOF
FRSTFLXA63H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.19	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,426.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$162.00	$54.00	33.3%	$162.00	18.5%	$29.92
OC-12 w/ 9 DS3	$162.00	$18.00	33.3%	$54.00	0.3%	$0.14
OC-12 w/ 12 DS3	$162.00	$13.50	33.3%	$40.50	27.1%	$10.99
OC48 w/ 24 DS3	$162.00	$6.75	33.3%	$20.25	2.1%	$0.43
OC-48 w/ 48 DS3	$162.00	$3.38	33.3%	$10.13	52.0%	$5.27
					Weighted Fiber Facility Cost	$46.74
				Subtotal Monthly Cost per DS3		**$928.76**

ADD:	Maintenance & Support		OS3NAC	$41.44	
	Maintenance & Support		NIDABC	$0.21	
	Billing & Collection		BCBUS x .65	$7.16	$48.81
					$977.57
ADD:	Advertising	ADSPSW	0.0027194	$2.66	
	Marketing	MKSPSW	0.0116465	$11.39	
	Sales	SASPSW	0.0115756	$11.32	$25.36
				Total Monthly Cost per DS3	**$1,002.93**

High Capacity DS1 Facilities

GANDY
GNDYFLXA57H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$80.13	$80.13	90.0%	$89.04	63.7%	$56.74
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$106.00

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$138.80	$1.65	33.3%	$4.96	31.0%	$1.54
OC3 e/w 3 DS3 & 84 DS1 Mux	$138.80	$1.65	33.3%	$4.96	3.9%	$0.20
OC-12 e/w 12 DS3 & 336 DS1	$138.80	$0.41	33.3%	$1.24	1.3%	$0.02
				Weighted Fiber Facility Cost		$1.75
				Subtotal Monthly Cost per DS1		**$107.75**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$156.56
ADD: Advertising	ADSPSW	0.0027194	$0.43		
Marketing	MKSPSW	0.0116465	$1.82		
Sales	SASPSW	0.0115756	$1.81		$4.06
			Total Monthly Cost per DS1		**$160.62**

High Capacity DS3 Facilities

GANDY
GNDYFLXA57H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,819.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$138.80	$46.27	33.3%	$138.80	18.5%	$25.63
OC-12 w/ 9 DS3	$138.80	$15.42	33.3%	$46.27	0.3%	$0.12
OC-12 w/ 12 DS3	$138.80	$11.57	33.3%	$34.70	27.1%	$9.42
OC48 w/ 24 DS3	$138.80	$5.78	33.3%	$17.35	2.1%	$0.37
OC-48 w/ 48 DS3	$138.80	$2.89	33.3%	$8.68	52.0%	$4.51
				Weighted Fiber Facility Cost		$40.05
				Subtotal Monthly Cost per DS3		**$922.07**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$970.88
ADD:	Advertising	ADSPSW	0.0027194	$2.64	
	Marketing	MKSPSW	0.0116465	$11.31	
	Sales	SASPSW	0.0115756	$11.24	$25.19
				Total Monthly Cost per DS3	**$996.06**

High Capacity DS1 Facilities

HAINES CITY MAIN
HNCYFLXA42H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$125.30	$125.30	90.0%	$139.22	63.7%	$88.73
OC3 e/w 84 DS1s	$1,888.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,266.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$137.98

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$270.33	$3.22	33.3%	$9.65	31.0%	$3.00
OC3 e/w 3 DS3 & 84 DS1 Mux	$270.33	$3.22	33.3%	$9.65	3.9%	$0.38
OC-12 e/w 12 DS3 & 336 DS1	$270.33	$0.80	33.3%	$2.41	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.41
				Subtotal Monthly Cost per DS1		**$141.39**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$190.20
ADD:	Advertising	ADSPSW	0.0027194	$0.52	
	Marketing	MKSPSW	0.0116465	$2.22	
	Sales	SASPSW	0.0115756	$2.20	$4.93
				Total Monthly Cost per DS1	**$195.13**

High Capacity DS3 Facilities

HAINES CITY MAIN
HNCYFLXA42H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.99	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$270.33	$90.11	33.3%	$270.33	18.5%	$49.92
OC-12 w/ 9 DS3	$270.33	$30.04	33.3%	$90.11	0.3%	$0.23
OC-12 w/ 12 DS3	$270.33	$22.53	33.3%	$67.58	27.1%	$18.34
OC48 w/ 24 DS3	$270.33	$11.26	33.3%	$33.79	2.1%	$0.72
OC-48 w/ 48 DS3	$270.33	$5.63	33.3%	$16.90	52.0%	$8.79
					Weighted Fiber Facility Cost	$78.00
				Subtotal Monthly Cost per DS3		**$960.02**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,008.83
ADD:	Advertising	ADSPSW	0.0027194	$2.74	
	Marketing	MKSPSW	0.0116465	$11.75	
	Sales	SASPSW	0.0115756	$11.68	$26.17
				Total Monthly Cost per DS3	**$1,035.00**

High Capacity DS1 Facilities

HAINES CITY NORTH
HNCYFLXN424

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$178.35	$178.35	90.0%	$198.17	63.7%	$126.29
DC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
DC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,086.99	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$175.55

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DC3 e/w 84 DS1s	$605.03	$7.20	33.3%	$21.61	31.0%	$6.71
DC3 e/w 3 DS3 & 84 DS1 Mux	$605.03	$7.20	33.3%	$21.61	3.9%	$0.85
OC-12 e/w 12 DS3 & 336 DS1	$605.03	$1.80	33.3%	$5.40	1.3%	$0.07
					Weighted Fiber Facility Cost	$7.63
				Subtotal Monthly Cost per DS1		**$183.18**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$231.99
ADD:	Advertising	ADSPSW	0.0027194	$0.63	
	Marketing	MKSPSW	0.0116465	$2.70	
	Sales	SASPSW	0.0115756	$2.69	$6.02
				Total Monthly Cost per DS1	**$238.00**

High Capacity DS3 Facilities

HAINES CITY NORTH
HNCYFLXN424

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,426.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$605.03	$201.68	33.3%	$605.03	18.5%	$111.73
OC-12 w/ 9 DS3	$605.03	$67.23	33.3%	$201.68	0.3%	$0.51
OC-12 w/ 12 DS3	$605.03	$50.42	33.3%	$151.26	27.1%	$41.04
OC48 w/ 24 DS3	$605.03	$25.21	33.3%	$75.63	2.1%	$1.62
OC-48 w/ 48 DS3	$605.03	$12.60	33.3%	$37.81	52.0%	$19.67
					Weighted Fiber Facility Cost	$174.57
					Subtotal Monthly Cost per DS3	**$1,056.59**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,105.40
ADD:	Advertising	ADSPSW	0.0027194	$3.01	
	Marketing	MKSPSW	0.0116465	$12.87	
	Sales	SASPSW	0.0115756	$12.80	$28.68
				Total Monthly Cost per DS3	**$1,134.07**

High Capacity DS1 Facilities

HIGHLANDS
HGLDFLXA64H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$118.16	$118.16	90.0%	$131.29	63.7%	$83.67
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$132.92

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$337.21	$4.01	33.3%	$12.04	31.0%	$3.74
OC3 e/w 3 DS3 & 84 DS1 Mux	$337.21	$4.01	33.3%	$12.04	3.9%	$0.48
OC-12 e/w 12 DS3 & 336 DS1	$337.21	$1.00	33.3%	$3.01	1.3%	$0.04
				Weighted Fiber Facility Cost		$4.25
				Subtotal Monthly Cost per DS1		**$137.18**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$185.99
ADD:	Advertising	ADSPSW	0.0027194	$0.51	
	Marketing	MKSPSW	0.0116465	$2.17	
	Sales	SASPSW	0.0115756	$2.15	$4.82
				Total Monthly Cost per DS1	**$190.81**

High Capacity DS3 Facilities

HIGHLANDS
HGLDFLXA64H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	[illegible]	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	[illegible]	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	[illegible]	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	[illegible]	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	[illegible]	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$337.21	$112.40	33.3%	$337.21	18.5%	$62.27
OC-12 w/ 9 DS3	$337.21	$37.47	33.3%	$112.40	0.3%	$0.28
OC-12 w/ 12 DS3	$337.21	$28.10	33.3%	$84.30	27.1%	$22.88
OC48 w/ 24 DS3	$337.21	$14.05	33.3%	$42.15	2.1%	$0.90
OC-48 w/ 48 DS3	$337.21	$7.03	33.3%	$21.08	52.0%	$10.96
					Weighted Fiber Facility Cost	$97.29
				Subtotal Monthly Cost per DS3		**$979.31**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,028.12
ADD:	Advertising	ADSPSW	0.0027194	$2.80	
	Marketing	MKSPSW	0.0116465	$11.97	
	Sales	SASPSW	0.0115756	$11.90	$26.67
				Total Monthly Cost per DS3	**$1,054.80**

High Capacity DS1 Facilities

HUDSON
HDSNFLXA86H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$119.67	$119.67	90.0%	$132.96	63.7%	$84.74
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$133.99

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$319.71	$3.81	33.3%	$11.42	31.0%	$3.54
OC3 e/w 3 DS3 & 84 DS1 Mux	$319.71	$3.81	33.3%	$11.42	3.9%	$0.45
OC-12 e/w 12 DS3 & 336 DS1	$319.71	$0.95	33.3%	$2.85	1.3%	$0.04
				Weighted Fiber Facility Cost		$4.03
				Subtotal Monthly Cost per DS1		**$138.02**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$186.83
ADD:	Advertising	ADSPSW	0.0027194	$0.51	
	Marketing	MKSPSW	0.0116465	$2.18	
	Sales	SASPSW	0.0115756	$2.16	$4.85
			Total Monthly Cost per DS1		**$191.68**

High Capacity DS3 Facilities

HUDSON
HDSNFLXA86H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$319.71	$106.57	33.3%	$319.71	18.5%	$59.04
OC-12 w/ 9 DS3	$319.71	$35.52	33.3%	$106.57	0.3%	$0.27
OC-12 w/ 12 DS3	$319.71	$26.64	33.3%	$79.93	27.1%	$21.69
OC48 w/ 24 DS3	$319.71	$13.32	33.3%	$39.96	2.1%	$0.85
OC-48 w/ 48 DS3	$319.71	$6.66	33.3%	$19.98	52.0%	$10.39
					Weighted Fiber Facility Cost	$92.24
					Subtotal Monthly Cost per DS3	**$974.27**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NtDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,023.07
ADD:	Advertising	ADSPSW	0.0027194	$2.78	
	Marketing	MKSPSW	0.0116465	$11.92	
	Sales	SASPSW	0.0115756	$11.84	$26.54
				Total Monthly Cost per DS3	**$1,049.61**

High Capacity DS1 Facilities

HYDE PARK
HYPKFLXADS0

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$82.17	$82.17	90.0%	$91.30	63.7%	$58.19
DC3 e/w 84 DS1's	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
DC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,086.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$107.44

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DC3 e/w 84 DS1s	$145.26	$1.73	33.3%	$5.19	31.0%	$1.61
DC3 e/w 3 DS3 & 84 DS1 Mux	$145.26	$1.73	33.3%	$5.19	3.9%	$0.20
OC-12 e/w 12 DS3 & 336 DS1	$145.26	$0.43	33.3%	$1.30	1.3%	$0.02
					Weighted Fiber Facility Cost	$1.83
				Subtotal Monthly Cost per DS1		**$109.27**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$158.08
ADD:	Advertising	ADSPSW	0.0027194	$0.43	
	Marketing	MKSPSW	0.0116465	$1.84	
	Sales	SASPSW	0.0115756	$1.83	$4.10
			Total Monthly Cost per DS1		**$162.18**

High Capacity DS3 Facilities

HYDE PARK
HYPKFLXADS0

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$145.26	$48.42	33.3%	$145.26	18.5%	$26.83
OC-12 w/ 9 DS3	$145.26	$16.14	33.3%	$48.42	0.3%	$0.12
OC-12 w/ 12 DS3	$145.26	$12.11	33.3%	$36.32	27.1%	$9.85
OC48 w/ 24 DS3	$145.26	$6.05	33.3%	$18.16	2.1%	$0.39
OC-48 w/ 48 DS3	$145.26	$3.03	33.3%	$9.08	52.0%	$4.72
					Weighted Fiber Facility Cost	$41.91
				Subtotal Monthly Cost per DS3		**$923.93**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$972.74
ADD:	Advertising	ADSPSW	0.0027194	$2.65	
	Marketing	MKSPSW	0.0116465	$11.33	
	Sales	SASPSW	0.0115756	$11.26	$25.23
				Total Monthly Cost per DS3	**$997.98**

High Capacity DS1 Facilities

INDIAN LAKE
INLKFLXARSA

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$746.97	$746.97	90.0%	$829.96	63.7%	$528.94
OC3 e/w 84 DS1s	$1,886.46	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,086.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$578.20

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$629.26	$7.49	33.3%	$22.47	31.0%	$6.97
OC3 e/w 3 DS3 & 84 DS1 Mux	$629.26	$7.49	33.3%	$22.47	3.9%	$0.89
OC-12 e/w 12 DS3 & 336 DS1	$629.26	$1.87	33.3%	$5.62	1.3%	$0.07
					Weighted Fiber Facility Cost	$7.93
				Subtotal Monthly Cost per DS1		**$586.13**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$634.94
ADD:	Advertising	ADSPSW	0.0027194	$1.73	
	Marketing	MKSPSW	0.0116465	$7.39	
	Sales	SASPSW	0.0115756	$7.35	$16.47
				Total Monthly Cost per DS1	**$651.41**

High Capacity DS1 Facilities

INDIAN LAKE
INLKFLXARSA

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$746.97	$746.97	90.0%	$829.96	63.7%	$528.94
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$578.20

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$629.26	$7.49	33.3%	$22.47	31.0%	$6.97
OC3 e/w 3 DS3 & 84 DS1 Mux	$629.26	$7.49	33.3%	$22.47	3.9%	$0.89
OC-12 e/w 12 DS3 & 336 DS1	$629.26	$1.87	33.3%	$5.62	1.3%	$0.07
				Weighted Fiber Facility Cost		$7.93
				Subtotal Monthly Cost per DS1		**$586.13**

ADD: Maintenance & Support	DS1PRINAC		$41.44		
Maintenance & Support	NIDABC		$0.21		
Billing & Collection	BCBUS x .65		$7.16		$48.81
					$634.94
ADD: Advertising	ADSPSW	0.0027194	$1.73		
Marketing	MKSPSW	0.0116465	$7.39		
Sales	SASPSW	0.0115756	$7.35		$16.47
			Total Monthly Cost per DS1		**$651.41**

High Capacity DS3 Facilities

INDIAN LAKE
INLKFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$629.26	$209.75	33.3%	$629.26	18.5%	$116.21
OC-12 w/ 9 DS3	$629.26	$69.92	33.3%	$209.75	0.3%	$0.53
OC-12 w/ 12 DS3	$629.26	$52.44	33.3%	$157.32	27.1%	$42.69
OC48 w/ 24 DS3	$629.26	$26.22	33.3%	$78.66	2.1%	$1.68
OC-48 w/ 48 DS3	$629.26	$13.11	33.3%	$39.33	52.0%	$20.45
					Weighted Fiber Facility Cost	$181.56
				Subtotal Monthly Cost per DS3		**$1,063.58**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,112.39
ADD:	Advertising	ADSPSW	0.0027194	$3.03	
	Marketing	MKSPSW	0.0116465	$12.96	
	Sales	SASPSW	0.0115756	$12.88	$28.86
				Total Monthly Cost per DS3	**$1,141.25**

High Capacity DS1 Facilities

INDIAN ROCKS
INRKFLXX59H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$82.31	$82.31	90.0%	$91.46	63.7%	$58.29
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$107.54

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$164.62	$1.96	33.3%	$5.88	31.0%	$1.82
OC3 e/w 3 DS3 & 84 DS1 Mux	$164.62	$1.96	33.3%	$5.88	3.9%	$0.23
OC-12 e/w 12 DS3 & 336 DS1	$164.62	$0.49	33.3%	$1.47	1.3%	$0.02
					Weighted Fiber Facility Cost	$2.08
					Subtotal Monthly Cost per DS1	**$109.62**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$158.43
ADD:	Advertising	ADSPSW	0.0027194	$0.43	
	Marketing	MKSPSW	0.0116465	$1.85	
	Sales	SASPSW	0.0115756	$1.83	$4.11
				Total Monthly Cost per DS1	**$162.54**

High Capacity DS3 Facilities

INDIAN ROCKS
INRKFLXX59H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$164.62	$54.87	33.3%	$164.62	18.5%	$30.40
OC-12 w/ 9 DS3	$164.62	$18.29	33.3%	$54.87	0.3%	$0.14
OC-12 w/ 12 DS3	$164.62	$13.72	33.3%	$41.16	27.1%	$11.17
OC48 w/ 24 DS3	$164.62	$6.86	33.3%	$20.58	2.1%	$0.44
OC-48 w/ 48 DS3	$164.62	$3.43	33.3%	$10.29	52.0%	$5.35
					Weighted Fiber Facility Cost	$47.50
					Subtotal Monthly Cost per DS3	**$929.52**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$978.33
ADD:	Advertising	ADSPSW	0.0027194	$2.66	
	Marketing	MKSPSW	0.0116465	$11.39	
	Sales	SASPSW	0.0115756	$11.32	$25.38
				Total Monthly Cost per DS3	**$1,003.71**

High Capacity DS1 Facilities

KEYSTONE
KYSTFLXA92H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$162.07	$162.07	90.0%	$180.08	63.7%	$114.76
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$164.02

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$386.94	$4.61	33.3%	$13.82	31.0%	$4.29
OC3 e/w 3 DS3 & 84 DS1 Mux	$386.94	$4.61	33.3%	$13.82	3.9%	$0.55
OC-12 e/w 12 DS3 & 336 DS1	$386.94	$1.15	33.3%	$3.45	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.88
					Subtotal Monthly Cost per DS1	**$168.90**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$217.71
ADD:	Advertising	ADSPSW	0.0027194	$0.59	
	Marketing	MKSPSW	0.0116465	$2.54	
	Sales	SASPSW	0.0115756	$2.52	$5.65
				Total Monthly Cost per DS1	**$223.35**

High Capacity DS3 Facilities

KEYSTONE
KYSTFLXA92H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$386.94	$128.98	33.3%	$386.94	18.5%	$71.46
OC-12 w/ 9 DS3	$386.94	$42.99	33.3%	$128.98	0.3%	$0.32
OC-12 w/ 12 DS3	$386.94	$32.25	33.3%	$96.74	27.1%	$26.25
OC48 w/ 24 DS3	$386.94	$16.12	33.3%	$48.37	2.1%	$1.03
OC-48 w/ 48 DS3	$386.94	$8.06	33.3%	$24.18	52.0%	$12.58
					Weighted Fiber Facility Cost	$111.64
					Subtotal Monthly Cost per DS3	**$993.66**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,042.47
ADD:	Advertising	ADSPSW	0.0027194	$2.83	
	Marketing	MKSPSW	0.0116465	$12.14	
	Sales	SASPSW	0.0115756	$12.07	$27.04
				Total Monthly Cost per DS3	**$1,069.52**

High Capacity DS1 Facilities

LAKE ALFRED
LKALFLXA95H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$158.30	$158.30	90.0%	$175.89	63.7%	$112.09
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$161.35

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$225.89	$2.69	33.3%	$8.07	31.0%	$2.50
OC3 e/w 3 DS3 & 84 DS1 Mux	$225.89	$2.69	33.3%	$8.07	3.9%	$0.32
OC-12 e/w 12 DS3 & 336 DS1	$225.89	$0.67	33.3%	$2.02	1.3%	$0.03
				Weighted Fiber Facility Cost		$2.85
				Subtotal Monthly Cost per DS1		**$164.20**

ADD:	Maintenance & Support	DS1PRINAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$213.01
ADD:	Advertising	ADSPSW	0.0027194	$0.58	
	Marketing	MKSPSW	0.0116465	$2.48	
	Sales	SASPSW	0.0115756	$2.47	$5.53
				Total Monthly Cost per DS1	**$218.53**

High Capacity DS3 Facilities

LAKE ALFRED
LKALFLXA95H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,318.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$225.89	$75.30	33.3%	$225.89	18.5%	$41.72
OC-12 w/ 9 DS3	$225.89	$25.10	33.3%	$75.30	0.3%	$0.19
OC-12 w/ 12 DS3	$225.89	$18.82	33.3%	$56.47	27.1%	$15.32
OC48 w/ 24 DS3	$225.89	$9.41	33.3%	$28.24	2.1%	$0.60
OC-48 w/ 48 DS3	$225.89	$4.71	33.3%	$14.12	52.0%	$7.34
					Weighted Fiber Facility Cost	$65.18
				Subtotal Monthly Cost per DS3		**$947.20**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$996.01

ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.60	
	Sales	SASPSW	0.0115756	$11.53	$25.84
				Total Monthly Cost per DS3	**$1,021.84**

High Capacity DS1 Facilities

LAKE WALES EAST
LKWLFLXERSA

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$356.50	$356.50	90.0%	$396.11	63.7%	$252.44
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$301.70

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$563.09	$6.70	33.3%	$20.11	31.0%	$6.24
OC3 e/w 3 DS3 & 84 DS1 Mux	$563.09	$6.70	33.3%	$20.11	3.9%	$0.79
OC-12 e/w 12 DS3 & 336 DS1	$563.09	$1.68	33.3%	$5.03	1.3%	$0.06
					Weighted Fiber Facility Cost	$7.10
					Subtotal Monthly Cost per DS1	**$308.80**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$357.61
ADD:	Advertising	ADSPSW	0.0027194	$0.97	
	Marketing	MKSPSW	0.0116465	$4.16	
	Sales	SASPSW	0.0115756	$4.14	$9.28
				Total Monthly Cost per DS1	**$366.88**

High Capacity DS3 Facilities

LAKE WALES EAST
LKWLFLXERSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$563.09	$187.70	33.3%	$563.09	18.5%	$103.99
OC-12 w/ 9 DS3	$563.09	$62.57	33.3%	$187.70	0.3%	$0.47
OC-12 w/ 12 DS3	$563.09	$46.92	33.3%	$140.77	27.1%	$38.20
OC48 w/ 24 DS3	$563.09	$23.46	33.3%	$70.39	2.1%	$1.50
OC-48 w/ 48 DS3	$563.09	$11.73	33.3%	$35.19	52.0%	$18.30
					Weighted Fiber Facility Cost	$162.47
					Subtotal Monthly Cost per DS3	**$1,044.49**
ADD: Maintenance & Support			DS3NAC	$41.44		
Maintenance & Support			NIDABC	$0.21		
Billing & Collection			BCBUS x .65	$7.16		$48.81
						$1,093.30
ADD: Advertising		ADSPSW	0.0027194	$2.97		
Marketing		MKSPSW	0.0116465	$12.73		
Sales		SASPSW	0.0115756	$12.66		$28.36
					Total Monthly Cost per DS3	**$1,121.66**

High Capacity DS1 Facilities

LAKE WALES MAIN
LKWLFLXA67H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$128.19	$128.19	90.0%	$142.43	63.7%	$90.77
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.59	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$140.03

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$213.72	$2.54	33.3%	$7.63	31.0%	$2.37
OC3 e/w 3 DS3 & 84 DS1 Mux	$213.72	$2.54	33.3%	$7.63	3.9%	$0.30
OC-12 e/w 12 DS3 & 336 DS1	$213.72	$0.64	33.3%	$1.91	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.69
				Subtotal Monthly Cost per DS1		**$142.72**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$191.53
ADD:	Advertising	ADSPSW	0.0027194	$0.52	
	Marketing	MKSPSW	0.0116465	$2.23	
	Sales	SASPSW	0.0115756	$2.22	$4.97
				Total Monthly Cost per DS1	**$196.50**

High Capacity DS3 Facilities

LAKE WALES MAIN
LKWLFLXA67H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$213.72	$71.24	33.3%	$213.72	18.5%	$39.47
OC-12 w/ 9 DS3	$213.72	$23.75	33.3%	$71.24	0.3%	$0.18
OC-12 w/ 12 DS3	$213.72	$17.81	33.3%	$53.43	27.1%	$14.50
OC48 w/ 24 DS3	$213.72	$8.91	33.3%	$26.72	2.1%	$0.57
OC-48 w/ 48 DS3	$213.72	$4.45	33.3%	$13.36	52.0%	$6.95
					Weighted Fiber Facility Cost	$61.66
					Subtotal Monthly Cost per DS3	**$943.68**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$992.49
ADD:	Advertising	ADSPSW	0.0027194	$2.70	
	Marketing	MKSPSW	0.0116465	$11.56	
	Sales	SASPSW	0.0115756	$11.49	$25.75
				Total Monthly Cost per DS3	**$1,018.24**

High Capacity DS1 Facilities

LAKELAND EAST
LKLDFLXE66H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$135.03	$135.03	90.0%	$150.03	63.7%	$95.62
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$144.87

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$287.89	$3.43	33.3%	$10.28	31.0%	$3.19
OC3 e/w 3 DS3 & 84 DS1 Mux	$287.89	$3.43	33.3%	$10.28	3.9%	$0.41
OC-12 e/w 12 DS3 & 336 DS1	$287.89	$0.86	33.3%	$2.57	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.63
					Subtotal Monthly Cost per DS1	**$148.50**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$197.31
ADD:	Advertising	ADSPSW	0.0027194	$0.54	
	Marketing	MKSPSW	0.0116465	$2.30	
	Sales	SASPSW	0.0115756	$2.28	$5.12
				Total Monthly Cost per DS1	**$202.43**

High Capacity DS3 Facilities

LAKELAND EAST
LKLDFLXE66H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$287.89	$95.96	33.3%	$287.89	18.5%	$53.17
OC-12 w/ 9 DS3	$287.89	$31.99	33.3%	$95.96	0.3%	$0.24
OC-12 w/ 12 DS3	$287.89	$23.99	33.3%	$71.97	27.1%	$19.53
OC48 w/ 24 DS3	$287.89	$12.00	33.3%	$35.99	2.1%	$0.77
OC-48 w/ 48 DS3	$287.89	$6.00	33.3%	$17.99	52.0%	$9.36
					Weighted Fiber Facility Cost	$83.06
					Subtotal Monthly Cost per DS3	**$965.08**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,013.89
ADD:	Advertising	ADSPSW	0.0027194	$2.76	
	Marketing	MKSPSW	0.0116465	$11.81	
	Sales	SASPSW	0.0115756	$11.74	$26.30
				Total Monthly Cost per DS3	**$1,040.20**

High Capacity DS1 Facilities

LAKELAND MAIN
LKLDFLXA68H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$111.50	$111.50	90.0%	$123.89	63.7%	$78.96
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$128.21

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$225.96	$2.69	33.3%	$8.07	31.0%	$2.50
OC3 e/w 3 DS3 & 84 DS1 Mux	$225.96	$2.69	33.3%	$8.07	3.9%	$0.32
OC-12 e/w 12 DS3 & 336 DS1	$225.96	$0.67	33.3%	$2.02	1.3%	$0.03
					Weighted Fiber Facility Cost	$2.85
					Subtotal Monthly Cost per DS1	**$131.06**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$179.87
ADD:	Advertising	ADSPSW	0.0027194	$0.49	
	Marketing	MKSPSW	0.0116465	$2.09	
	Sales	SASPSW	0.0115756	$2.08	$4.67
				Total Monthly Cost per DS1	**$184.53**

High Capacity DS3 Facilities

LAKELAND MAIN
LKLDFLXA68H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$225.96	$75.32	33.3%	$225.96	18.5%	$41.73
OC-12 w/ 9 DS3	$225.96	$25.11	33.3%	$75.32	0.3%	$0.19
OC-12 w/ 12 DS3	$225.96	$18.83	33.3%	$56.49	27.1%	$15.33
OC48 w/ 24 DS3	$225.96	$9.42	33.3%	$28.25	2.1%	$0.60
OC-48 w/ 48 DS3	$225.96	$4.71	33.3%	$14.12	52.0%	$7.35
					Weighted Fiber Facility Cost	$65.20
				Subtotal Monthly Cost per DS3		**$947.22**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$996.03
ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.60	
	Sales	SASPSW	0.0115756	$11.53	$25.84
				Total Monthly Cost per DS3	**$1,021.86**

High Capacity DS1 Facilities

LAKELAND NORTH
LKLDFLXN85H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$165.28	$165.28	90.0%	$183.64	63.7%	$117.04
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$166.29

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$375.13	$4.47	33.3%	$13.40	31.0%	$4.16
OC3 e/w 3 DS3 & 84 DS1 Mux	$375.13	$4.47	33.3%	$13.40	3.9%	$0.53
OC-12 e/w 12 DS3 & 336 DS1	$375.13	$1.12	33.3%	$3.35	1.3%	$0.04
				Weighted Fiber Facility Cost		$4.73
				Subtotal Monthly Cost per DS1		**$171.02**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$219.83
ADD:	Advertising	ADSPSW	0.0027194	$0.60	
	Marketing	MKSPSW	0.0116465	$2.56	
	Sales	SASPSW	0.0115756	$2.54	$5.70
				Total Monthly Cost per DS1	**$225.53**

High Capacity DS3 Facilities

LAKELAND NORTH
LKLDFLXN85H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.52	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$375.13	$125.04	33.3%	$375.13	18.5%	$69.28
OC-12 w/ 9 DS3	$375.13	$41.68	33.3%	$125.04	0.3%	$0.31
OC-12 w/ 12 DS3	$375.13	$31.26	33.3%	$93.78	27.1%	$25.45
OC48 w/ 24 DS3	$375.13	$15.63	33.3%	$46.89	2.1%	$1.00
OC-48 w/ 48 DS3	$375.13	$7.82	33.3%	$23.45	52.0%	$12.19
					Weighted Fiber Facility Cost	$108.23
					Subtotal Monthly Cost per DS3	**$990.26**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,039.06
ADD:	Advertising	ADSPSW	0.0027194	$2.83	
	Marketing	MKSPSW	0.0116465	$12.10	
	Sales	SASPSW	0.0115756	$12.03	$26.95
				Total Monthly Cost per DS3	**$1,066.02**

High Capacity DS1 Facilities

LAND O' LAKES
LNLKFLXA99H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$308.59	$308.59	90.0%	$342.88	63.7%	$218.52
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$267.77

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$484.84	$5.77	33.3%	$17.32	31.0%	$5.37
OC3 e/w 3 DS3 & 84 DS1 Mux	$484.84	$5.77	33.3%	$17.32	3.9%	$0.68
OC-12 e/w 12 DS3 & 336 DS1	$484.84	$1.44	33.3%	$4.33	1.3%	$0.06
				Weighted Fiber Facility Cost		$6.11
				Subtotal Monthly Cost per DS1		**$273.88**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$322.69
ADD:	Advertising	ADSPSW	0.0027194	$0.88	
	Marketing	MKSPSW	0.0116465	$3.76	
	Sales	SASPSW	0.0115756	$3.74	$8.37
				Total Monthly Cost per DS1	**$331.06**

High Capacity DS3 Facilities

LAND O' LAKES
LNLKFLXA99H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration -	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.36	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$484.84	$161.61	33.3%	$484.84	18.5%	$89.54
OC-12 w/ 9 DS3	$484.84	$53.87	33.3%	$161.61	0.3%	$0.41
OC-12 w/ 12 DS3	$484.84	$40.40	33.3%	$121.21	27.1%	$32.89
OC48 w/ 24 DS3	$484.84	$20.20	33.3%	$60.61	2.1%	$1.29
OC-48 w/ 48 DS3	$484.84	$10.10	33.3%	$30.30	52.0%	$15.76
					Weighted Fiber Facility Cost	$139.89
					Subtotal Monthly Cost per DS3	**$1,021.91**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,070.72
ADD:	Advertising	ADSPSW	0.0027194	$2.91	
	Marketing	MKSPSW	0.0116465	$12.47	
	Sales	SASPSW	0.0115756	$12.39	$27.78
				Total Monthly Cost per DS3	**$1,098.50**

High Capacity DS1 Facilities

LARGO
LRGOFLXAS8H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$102.60	$102.60	90.0%	$114.00	63.7%	$72.65
OC3 e/w 84 DS1's	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$121.90

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$212.92	$2.53	33.3%	$7.60	31.0%	$2.36
OC3 e/w 3 DS3 & 84 DS1 Mux	$212.92	$2.53	33.3%	$7.60	3.9%	$0.30
OC-12 e/w 12 DS3 & 336 DS1	$212.92	$0.63	33.3%	$1.90	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.68
				Subtotal Monthly Cost per DS1		**$124.59**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$173.40
ADD:	Advertising	ADSPSW	0.0027194	$0.47	
	Marketing	MKSPSW	0.0116465	$2.02	
	Sales	SASPSW	0.0115756	$2.01	$4.50
				Total Monthly Cost per DS1	**$177.90**

High Capacity DS3 Facilities

LARGO
LRGOFLXA58H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$212.92	$70.97	33.3%	$212.92	18.5%	$39.32
OC-12 w/ 9 DS3	$212.92	$23.66	33.3%	$70.97	0.3%	$0.18
OC-12 w/ 12 DS3	$212.92	$17.74	33.3%	$53.23	27.1%	$14.44
OC48 w/ 24 DS3	$212.92	$8.87	33.3%	$26.62	2.1%	$0.57
OC-48 w/ 48 DS3	$212.92	$4.44	33.3%	$13.31	52.0%	$6.92
					Weighted Fiber Facility Cost	$61.43
					Subtotal Monthly Cost per DS3	**$943.45**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$992.26
ADD:	Advertising	ADSPSW	0.0027194	$2.70	
	Marketing	MKSPSW	0.0116465	$11.56	
	Sales	SASPSW	0.0115756	$11.49	$25.74
				Total Monthly Cost per DS3	**$1,018.00**

High Capacity DS1 Facilities

LEALMAN
LLMNFLXADS0

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$110.62	$110.62	90.0%	$122.91	63.7%	$78.33
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$127.58

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$240.17	$2.86	33.3%	$8.58	31.0%	$2.66
OC3 e/w 3 DS3 & 84 DS1 Mux	$240.17	$2.86	33.3%	$8.58	3.9%	$0.34
OC-12 e/w 12 DS3 & 336 DS1	$240.17	$0.71	33.3%	$2.14	1.3%	$0.03
				Weighted Fiber Facility Cost		$3.03
				Subtotal Monthly Cost per DS1		**$130.61**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$179.42

ADD:	Advertising	ADSPSW	0.0027194	$0.49	
	Marketing	MKSPSW	0.0116465	$2.09	
	Sales	SASPSW	0.0115756	$2.08	$4.65
				Total Monthly Cost per DS1	**$184.08**

High Capacity DS3 Facilities

LEALMAN
LLMNFLXADS0

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,878.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$240.17	$80.06	33.3%	$240.17	18.5%	$44.35
OC-12 w/ 9 DS3	$240.17	$26.69	33.3%	$80.06	0.3%	$0.20
OC-12 w/ 12 DS3	$240.17	$20.01	33.3%	$60.04	27.1%	$16.29
OC48 w/ 24 DS3	$240.17	$10.01	33.3%	$30.02	2.1%	$0.64
OC-48 w/ 48 DS3	$240.17	$5.00	33.3%	$15.01	52.0%	$7.81
					Weighted Fiber Facility Cost	$69.30
					Subtotal Monthly Cost per DS3	**$951.32**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,000.13
ADD:	Advertising	ADSPSW	0.0027194	$2.72	
	Marketing	MKSPSW	0.0116465	$11.65	
	Sales	SASPSW	0.0115756	$11.58	$25.94
				Total Monthly Cost per DS3	**$1,026.07**

High Capacity DS1 Facilities

LONGBOAT
LGBKFLXA38H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$140.89	$140.89	90.0%	$156.55	63.7%	$99.77
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$149.02

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$388.84	$4.63	33.3%	$13.89	31.0%	$4.31
OC3 e/w 3 DS3 & 84 DS1 Mux	$388.84	$4.63	33.3%	$13.89	3.9%	$0.55
OC-12 e/w 12 DS3 & 336 DS1	$388.84	$1.16	33.3%	$3.47	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.90
					Subtotal Monthly Cost per DS1	**$153.93**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$202.73

ADD:	Advertising	ADSPSW	0.0027194	$0.55	
	Marketing	MKSPSW	0.0116465	$2.36	
	Sales	SASPSW	0.0115756	$2.35	$5.26
				Total Monthly Cost per DS1	**$207.99**

High Capacity DS3 Facilities

LONGBOAT
LGBKFLXA38H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,816.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$388.84	$129.61	33.3%	$388.84	18.5%	$71.81
OC-12 w/ 9 DS3	$388.84	$43.20	33.3%	$129.61	0.3%	$0.33
OC-12 w/ 12 DS3	$388.84	$32.40	33.3%	$97.21	27.1%	$26.38
OC48 w/ 24 DS3	$388.84	$16.20	33.3%	$48.61	2.1%	$1.04
OC-48 w/ 48 DS3	$388.84	$8.10	33.3%	$24.30	52.0%	$12.64
					Weighted Fiber Facility Cost	$112.19
					Subtotal Monthly Cost per DS3	**$994.21**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,043.02
ADD:	Advertising	ADSPSW	0.0027194	$2.84	
	Marketing	MKSPSW	0.0116465	$12.15	
	Sales	SASPSW	0.0115756	$12.07	$27.06
				Total Monthly Cost per DS3	**$1,070.08**

High Capacity DS1 Facilities

LUTZ
LUTZFLXA94H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$119.64	$119.64	90.0%	$132.93	63.7%	$84.72
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$133.97

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$293.02	$3.49	33.3%	$10.47	31.0%	$3.25
OC3 e/w 3 DS3 & 84 DS1 Mux	$293.02	$3.49	33.3%	$10.47	3.9%	$0.41
OC-12 e/w 12 DS3 & 336 DS1	$293.02	$0.87	33.3%	$2.62	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.69
				Subtotal Monthly Cost per DS1		**$137.67**

ADD:	Maintenance & Support	DS1PRINAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$186.48
ADD:	Advertising	ADSPSW	0.0027194	$0.51	
	Marketing	MKSPSW	0.0116465	$2.17	
	Sales	SASPSW	0.0115756	$2.16	$4.84
				Total Monthly Cost per DS1	**$191.31**

High Capacity DS3 Facilities

LUTZ
LUTZFLXA94H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$293.02	$97.67	33.3%	$293.02	18.5%	$54.11
OC-12 w/ 9 DS3	$293.02	$32.56	33.3%	$97.67	0.3%	$0.25
OC-12 w/ 12 DS3	$293.02	$24.42	33.3%	$73.26	27.1%	$19.88
OC48 w/ 24 DS3	$293.02	$12.21	33.3%	$36.63	2.1%	$0.78
OC-48 w/ 48 DS3	$293.02	$6.10	33.3%	$18.31	52.0%	$9.52
					Weighted Fiber Facility Cost	$84.54
					Subtotal Monthly Cost per DS3	**$966.56**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,015.37
ADD:	Advertising	ADSPSW	0.0027194	$2.76	
	Marketing	MKSPSW	0.0116465	$11.83	
	Sales	SASPSW	0.0115756	$11.75	$26.34
				Total Monthly Cost per DS3	**$1,041.71**

High Capacity DS1 Facilities

MOON LAKE
MNLKFLXA85H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$161.62	$161.62	90.0%	$179.58	63.7%	$114.45
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$163.70

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$446.33	$5.31	33.3%	$15.94	31.0%	$4.95
OC3 e/w 3 DS3 & 84 DS1 Mux	$446.33	$5.31	33.3%	$15.94	3.9%	$0.63
OC-12 e/w 12 DS3 & 336 DS1	$446.33	$1.33	33.3%	$3.99	1.3%	$0.05
					Weighted Fiber Facility Cost	$5.63
				Subtotal Monthly Cost per DS1		**$169.33**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$218.14
ADD:	Advertising	ADSPSW	0.0027194	$0.59	
	Marketing	MKSPSW	0.0116465	$2.54	
	Sales	SASPSW	0.0115756	$2.53	$5.66
				Total Monthly Cost per DS1	**$223.80**

High Capacity DS3 Facilities

MOON LAKE
MNLKFLXA85H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$446.33	$148.78	33.3%	$446.33	18.5%	$82.43
OC-12 w/ 9 DS3	$446.33	$49.59	33.3%	$148.78	0.3%	$0.37
OC-12 w/ 12 DS3	$446.33	$37.19	33.3%	$111.58	27.1%	$30.28
OC48 w/ 24 DS3	$446.33	$18.60	33.3%	$55.79	2.1%	$1.19
OC-48 w/ 48 DS3	$446.33	$9.30	33.3%	$27.90	52.0%	$14.51
					Weighted Fiber Facility Cost	$128.78
					Subtotal Monthly Cost per DS3	**$1,010.80**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,059.61
ADD:	Advertising	ADSPSW	0.0027194	$2.88	
	Marketing	MKSPSW	0.0116465	$12.34	
	Sales	SASPSW	0.0115756	$12.27	$27.49
				Total Monthly Cost per DS3	**$1,087.10**

High Capacity DS1 Facilities

MULBERRY
MLBYFLXARSA

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$125.93	$125.93	90.0%	$139.92	63.7%	$89.18
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$138.43

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$187.29	$2.23	33.3%	$6.69	31.0%	$2.08
OC3 e/w 3 DS3 & 84 DS1 Mux	$187.29	$2.23	33.3%	$6.69	3.9%	$0.26
OC-12 e/w 12 DS3 & 336 DS1	$187.29	$0.56	33.3%	$1.67	1.3%	$0.02
					Weighted Fiber Facility Cost	$2.36
					Subtotal Monthly Cost per DS1	**$140.79**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$189.60
ADD:	Advertising	ADSPSW	0.0027194	$0.52	
	Marketing	MKSPSW	0.0116465	$2.21	
	Sales	SASPSW	0.0115756	$2.19	$4.92
				Total Monthly Cost per DS1	**$194.52**

High Capacity DS3 Facilities

MULBERRY
MLBYFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$187.29	$62.43	33.3%	$187.29	18.5%	$34.59
OC-12 w/ 9 DS3	$187.29	$20.81	33.3%	$62.43	0.3%	$0.16
OC-12 w/ 12 DS3	$187.29	$15.61	33.3%	$46.82	27.1%	$12.71
OC48 w/ 24 DS3	$187.29	$7.80	33.3%	$23.41	2.1%	$0.50
OC-48 w/ 48 DS3	$187.29	$3.90	33.3%	$11.71	52.0%	$6.09
					Weighted Fiber Facility Cost	$54.04
					Subtotal Monthly Cost per DS3	**$936.06**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$984.87
ADD:	Advertising	ADSPSW	0.0027194	$2.68	
	Marketing	MKSPSW	0.0116465	$11.47	
	Sales	SASPSW	0.0115756	$11.40	$25.55
				Total Monthly Cost per DS3	**$1,010.42**

High Capacity DS1 Facilities

MYAKKA CITY
MYCYFLXA32H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$960.32	$960.32	90.0%	$1,067.02	63.7%	$680.02
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$729.28

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$690.54	$8.22	33.3%	$24.66	31.0%	$7.65
OC3 e/w 3 DS3 & 84 DS1 Mux	$690.54	$8.22	33.3%	$24.66	3.9%	$0.97
OC-12 e/w 12 DS3 & 336 DS1	$690.54	$2.06	33.3%	$6.17	1.3%	$0.08
				Weighted Fiber Facility Cost		$8.71
				Subtotal Monthly Cost per DS1		**$737.98**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$786.79
ADD:	Advertising	ADSPSW	0.0027194	$2.14	
	Marketing	MKSPSW	0.0116465	$9.16	
	Sales	SASPSW	0.0115756	$9.11	$20.41
				Total Monthly Cost per DS1	**$807.20**

High Capacity DS3 Facilities

MYAKKA CITY
MYCYFLXA32H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$690.54	$230.18	33.3%	$690.54	18.5%	$127.52
OC-12 w/ 9 DS3	$690.54	$76.73	33.3%	$230.18	0.3%	$0.58
OC-12 w/ 12 DS3	$690.54	$57.55	33.3%	$172.64	27.1%	$46.85
OC48 w/ 24 DS3	$690.54	$28.77	33.3%	$86.32	2.1%	$1.84
OC-48 w/ 48 DS3	$690.54	$14.39	33.3%	$43.16	52.0%	$22.45
					Weighted Fiber Facility Cost	$199.24
				Subtotal Monthly Cost per DS3		**$1,081.26**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,130.07
ADD:	Advertising	ADSPSW	0.0027194	$3.07	
	Marketing	MKSPSW	0.0116465	$13.16	
	Sales	SASPSW	0.0115756	$13.08	$29.32
			Total Monthly Cost per DS3		**$1,159.38**

High Capacity DS1 Facilities

NEW PORT RICHEY
NPRCFLXA84H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$117.46	$117.46	90.0%	$130.51	63.7%	$83.17
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,086.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$132.43

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$329.90	$3.93	33.3%	$11.78	31.0%	$3.66
OC3 e/w 3 DS3 & 84 DS1 Mux	$329.90	$3.93	33.3%	$11.78	3.9%	$0.46
OC-12 e/w 12 DS3 & 336 DS1	$329.90	$0.98	33.3%	$2.95	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.16
					Subtotal Monthly Cost per DS1	**$136.59**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$185.40
ADD:	Advertising	ADSPSW	0.0027194	$0.50	
	Marketing	MKSPSW	0.0116465	$2.16	
	Sales	SASPSW	0.0115756	$2.15	$4.81
				Total Monthly Cost per DS1	**$190.21**

High Capacity DS3 Facilities

NEW PORT RICHEY
NPRCFLXA84H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,878.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$329.90	$109.97	33.3%	$329.90	18.5%	$60.92
OC-12 w/ 9 DS3	$329.90	$36.66	33.3%	$109.97	0.3%	$0.28
OC-12 w/ 12 DS3	$329.90	$27.49	33.3%	$82.48	27.1%	$22.38
OC48 w/ 24 DS3	$329.90	$13.75	33.3%	$41.24	2.1%	$0.88
OC-48 w/ 48 DS3	$329.90	$6.87	33.3%	$20.62	52.0%	$10.72
					Weighted Fiber Facility Cost	$95.18
					Subtotal Monthly Cost per DS3	**$977.21**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,026.01
ADD:	Advertising	ADSPSW	0.0027194	$2.79	
	Marketing	MKSPSW	0.0116465	$11.95	
	Sales	SASPSW	0.0115756	$11.88	$26.62
				Total Monthly Cost per DS3	**$1,052.63**

High Capacity DS1 Facilities

NORTH GULF BEACH
NGBHFLXA39H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$106.99	$106.99	90.0%	$118.88	63.7%	$75.76
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$125.01

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$233.22	$2.78	33.3%	$8.33	31.0%	$2.59
OC3 e/w 3 DS3 & 84 DS1 Mux	$233.22	$2.78	33.3%	$8.33	3.9%	$0.33
OC-12 e/w 12 DS3 & 336 DS1	$233.22	$0.69	33.3%	$2.08	1.3%	$0.03
					Weighted Fiber Facility Cost	$2.94
					Subtotal Monthly Cost per DS1	**$127.96**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$176.76
ADD:	Advertising	ADSPSW	0.0027194	$0.48	
	Marketing	MKSPSW	0.0116465	$2.06	
	Sales	SASPSW	0.0115756	$2.05	$4.59
				Total Monthly Cost per DS1	**$181.35**

High Capacity DS3 Facilities

NORTH GULF BEACH
NGBHFLXA39H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,878.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$233.22	$77.74	33.3%	$233.22	18.5%	$43.07
OC-12 w/ 9 DS3	$233.22	$25.91	33.3%	$77.74	0.3%	$0.20
OC-12 w/ 12 DS3	$233.22	$19.44	33.3%	$58.31	27.1%	$15.82
OC48 w/ 24 DS3	$233.22	$9.72	33.3%	$29.15	2.1%	$0.62
OC-48 w/ 48 DS3	$233.22	$4.86	33.3%	$14.58	52.0%	$7.58
					Weighted Fiber Facility Cost	$67.29
					Subtotal Monthly Cost per DS3	**$949.31**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$998.12
ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.62	
	Sales	SASPSW	0.0115756	$11.55	$25.89
				Total Monthly Cost per DS3	**$1,024.01**

High Capacity DS1 Facilities

NORTHPORT
NRPTFLXA42H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$154.15	$154.15	90.0%	$171.28	63.7%	$109.16
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,366.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$158.41

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$235.72	$2.81	33.3%	$8.42	31.0%	$2.61
OC3 e/w 3 DS3 & 84 DS1 Mux	$235.72	$2.81	33.3%	$8.42	3.9%	$0.33
OC-12 e/w 12 DS3 & 336 DS1	$235.72	$0.70	33.3%	$2.10	1.3%	$0.03
				Weighted Fiber Facility Cost		$2.97
				Subtotal Monthly Cost per DS1		**$161.38**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$210.19
ADD:	Advertising	ADSPSW	0.0027194	$0.57	
	Marketing	MKSPSW	0.0116465	$2.45	
	Sales	SASPSW	0.0115756	$2.43	$5.45
				Total Monthly Cost per DS1	**$215.64**

High Capacity DS3 Facilities

NORTHPORT
NRPTFLXA42H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$235.72	$78.57	33.3%	$235.72	18.5%	$43.53
OC-12 w/ 9 DS3	$235.72	$26.19	33.3%	$78.57	0.3%	$0.20
OC-12 w/ 12 DS3	$235.72	$19.64	33.3%	$58.93	27.1%	$15.99
OC48 w/ 24 DS3	$235.72	$9.82	33.3%	$29.47	2.1%	$0.63
OC-48 w/ 48 DS3	$235.72	$4.91	33.3%	$14.73	52.0%	$7.66
					Weighted Fiber Facility Cost	$68.01
					Subtotal Monthly Cost per DS3	**$950.03**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$998.84
ADD:	Advertising	ADSPSW	0.0027194	$2.72	
	Marketing	MKSPSW	0.0116465	$11.63	
	Sales	SASPSW	0.0115756	$11.56	$25.91
				Total Monthly Cost per DS3	**$1,024.75**

High Capacity DS1 Facilities

NORTHSIDE
NRSDFLXA35H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$111.61	$111.61	90.0%	$124.01	63.7%	$79.04
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$128.29

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$301.02	$3.58	33.3%	$10.75	31.0%	$3.34
OC3 e/w 3 DS3 & 84 DS1 Mux	$301.02	$3.58	33.3%	$10.75	3.9%	$0.42
OC-12 e/w 12 DS3 & 336 DS1	$301.02	$0.90	33.3%	$2.69	1.3%	$0.03
				Weighted Fiber Facility Cost		$3.80
				Subtotal Monthly Cost per DS1		**$132.08**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$180.89
ADD:	Advertising	ADSPSW	0.0027194	$0.49	
	Marketing	MKSPSW	0.0116465	$2.11	
	Sales	SASPSW	0.0115756	$2.09	$4.69
				Total Monthly Cost per DS1	**$185.59**

High Capacity DS3 Facilities

NORTHSIDE
NRSDFLXA35H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$301.02	$100.34	33.3%	$301.02	18.5%	$55.59
OC-12 w/ 9 DS3	$301.02	$33.45	33.3%	$100.34	0.3%	$0.25
OC-12 w/ 12 DS3	$301.02	$25.09	33.3%	$75.26	27.1%	$20.42
OC48 w/ 24 DS3	$301.02	$12.54	33.3%	$37.63	2.1%	$0.80
OC-48 w/ 48 DS3	$301.02	$6.27	33.3%	$18.81	52.0%	$9.79
					Weighted Fiber Facility Cost	$86.85
					Subtotal Monthly Cost per DS3	**$968.87**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,017.68
ADD:	Advertising	ADSPSW	0.0027194	$2.77	
	Marketing	MKSPSW	0.0116465	$11.85	
	Sales	SASPSW	0.0115756	$11.78	$26.40
				Total Monthly Cost per DS3	**$1,044.08**

High Capacity DS1 Facilities

OLDSMAR
OLDSFLXA85H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$114.22	$114.22	90.0%	$126.92	63.7%	$80.88
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$130.14

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$281.76	$3.35	33.3%	$10.06	31.0%	$3.12
OC3 e/w 3 DS3 & 84 DS1 Mux	$281.76	$3.35	33.3%	$10.06	3.9%	$0.40
OC-12 e/w 12 DS3 & 336 DS1	$281.76	$0.84	33.3%	$2.52	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.55
					Subtotal Monthly Cost per DS1	**$133.69**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$182.50
ADD:	Advertising	ADSPSW	0.0027194	$0.50	
	Marketing	MKSPSW	0.0116465	$2.13	
	Sales	SASPSW	0.0115756	$2.11	$4.73
				Total Monthly Cost per DS1	**$187.23**

High Capacity DS3 Facilities

OLDSMAR
OLDSFLXA85H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration -	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,918.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$281.76	$93.92	33.3%	$281.76	18.5%	$52.03
OC-12 w/ 9 DS3	$281.76	$31.31	33.3%	$93.92	0.3%	$0.24
OC-12 w/ 12 DS3	$281.76	$23.48	33.3%	$70.44	27.1%	$19.11
OC48 w/ 24 DS3	$281.76	$11.74	33.3%	$35.22	2.1%	$0.75
OC-48 w/ 48 DS3	$281.76	$5.87	33.3%	$17.61	52.0%	$9.16
					Weighted Fiber Facility Cost	$81.30
					Subtotal Monthly Cost per DS3	**$963.32**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,012.13
ADD:	Advertising	ADSPSW	0.0027194	$2.75	
	Marketing	MKSPSW	0.0116465	$11.79	
	Sales	SASPSW	0.0115756	$11.72	$26.26
				Total Monthly Cost per DS3	**$1,038.38**

High Capacity DS1 Facilities

OSPREY
OSPRFLXA96H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$135.36	$135.36	90.0%	$150.40	63.7%	$95.85
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$145.10

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$307.37	$3.66	33.3%	$10.98	31.0%	$3.41
OC3 e/w 3 DS3 & 84 DS1 Mux	$307.37	$3.66	33.3%	$10.98	3.9%	$0.43
OC-12 e/w 12 DS3 & 336 DS1	$307.37	$0.91	33.3%	$2.74	1.3%	$0.04
				Weighted Fiber Facility Cost		$3.88
				Subtotal Monthly Cost per DS1		**$148.98**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$197.79
ADD:	Advertising	ADSPSW	0.0027194	$0.54	
	Marketing	MKSPSW	0.0116465	$2.30	
	Sales	SASPSW	0.0115756	$2.29	$5.13
				Total Monthly Cost per DS1	**$202.92**

High Capacity DS3 Facilities

OSPREY
OSPRFLXA96H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$307.37	$102.46	33.3%	$307.37	18.5%	$56.76
OC-12 w/ 9 DS3	$307.37	$34.15	33.3%	$102.46	0.3%	$0.26
OC-12 w/ 12 DS3	$307.37	$25.61	33.3%	$76.84	27.1%	$20.85
OC48 w/ 24 DS3	$307.37	$12.81	33.3%	$38.42	2.1%	$0.82
OC-48 w/ 48 DS3	$307.37	$6.40	33.3%	$19.21	52.0%	$9.99
					Weighted Fiber Facility Cost	$88.68
					Subtotal Monthly Cost per DS3	**$970.71**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,019.51
ADD:	Advertising	ADSPSW	0.0027194	$2.77	
	Marketing	MKSPSW	0.0116465	$11.87	
	Sales	SASPSW	0.0115756	$11.80	$26.45
				Total Monthly Cost per DS3	**$1,045.96**

High Capacity DS1 Facilities

PALMA SOLA
PLSLFLXA79H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$108.32	$108.32	90.0%	$120.35	63.7%	$76.70
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$125.96

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$245.39	$2.92	33.3%	$8.76	31.0%	$2.72
OC3 e/w 3 DS3 & 84 DS1 Mux	$245.39	$2.92	33.3%	$8.76	3.9%	$0.35
OC-12 e/w 12 DS3 & 336 DS1	$245.39	$0.73	33.3%	$2.19	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.09
					Subtotal Monthly Cost per DS1	**$129.05**

ADD:	Maintenance & Support		DS1PRINAC	$41.44	
	Maintenance & Support		NIDABC	$0.21	
	Billing & Collection		BCBUS x .65	$7.16	$48.81
					$177.86
ADD:	Advertising	ADSPSW	0.0027194	$0.48	
	Marketing	MKSPSW	0.0116465	$2.07	
	Sales	SASPSW	0.0115756	$2.06	$4.61
				Total Monthly Cost per DS1	**$182.47**

High Capacity DS3 Facilities

PALMA SOLA
PLSLFLXA79H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,618.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$245.39	$81.80	33.3%	$245.39	18.5%	$45.32
OC-12 w/ 9 DS3	$245.39	$27.27	33.3%	$81.80	0.3%	$0.21
OC-12 w/ 12 DS3	$245.39	$20.45	33.3%	$61.35	27.1%	$16.65
OC48 w/ 24 DS3	$245.39	$10.22	33.3%	$30.67	2.1%	$0.66
OC-48 w/ 48 DS3	$245.39	$5.11	33.3%	$15.34	52.0%	$7.98
					Weighted Fiber Facility Cost	$70.80
					Subtotal Monthly Cost per DS3	**$952.82**
ADD: Maintenance & Support			DS3NAC	$41.44		
Maintenance & Support			NIDABC	$0.21		
Billing & Collection			BCBUS x .65	$7.16		$48.81
						$1,001.63
ADD: Advertising		ADSPSW	0.0027194	$2.72		
Marketing		MKSPSW	0.0116465	$11.67		
Sales		SASPSW	0.0115756	$11.59		$25.98
					Total Monthly Cost per DS3	**$1,027.62**

High Capacity DS1 Facilities

PALMETTO
PLMTFLXA72H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$142.46	$142.46	90.0%	$158.28	63.7%	$100.88
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$150.13

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$393.76	$4.69	33.3%	$14.06	31.0%	$4.36
OC3 e/w 3 DS3 & 84 DS1 Mux	$393.76	$4.69	33.3%	$14.06	3.9%	$0.55
OC-12 e/w 12 DS3 & 336 DS1	$393.76	$1.17	33.3%	$3.52	1.3%	$0.05
				Weighted Fiber Facility Cost		$4.96
				Subtotal Monthly Cost per DS1		**$155.09**

ADD: Maintenance & Support		DS1PRtNAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$203.90
ADD: Advertising	ADSPSW	0.0027194	$0.55		
Marketing	MKSPSW	0.0116465	$2.37		
Sales	SASPSW	0.0115756	$2.36		$5.29
			Total Monthly Cost per DS1		**$209.19**

High Capacity DS3 Facilities

PALMETTO
PLMTFLXA72H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$393.76	$131.25	33.3%	$393.76	18.5%	$72.72
OC-12 w/ 9 DS3	$393.76	$43.75	33.3%	$131.25	0.3%	$0.33
OC-12 w/ 12 DS3	$393.76	$32.81	33.3%	$98.44	27.1%	$26.71
OC48 w/ 24 DS3	$393.76	$16.41	33.3%	$49.22	2.1%	$1.05
OC-48 w/ 48 DS3	$393.76	$8.20	33.3%	$24.61	52.0%	$12.80
					Weighted Fiber Facility Cost	$113.61
					Subtotal Monthly Cost per DS3	**$995.63**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,044.44
ADD:	Advertising	ADSPSW	0.0027194	$2.84	
	Marketing	MKSPSW	0.0116465	$12.16	
	Sales	SASPSW	0.0115756	$12.09	$27.09
				Total Monthly Cost per DS3	**$1,071.53**

High Capacity DS1 Facilities

PARRISH
PRSHFLXARSA

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$875.87	$875.87	90.0%	$973.19	63.7%	$620.22
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$669.48

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$553.63	$6.59	33.3%	$19.77	31.0%	$6.14
OC3 e/w 3 DS3 & 84 DS1 Mux	$553.63	$6.59	33.3%	$19.77	3.9%	$0.78
OC-12 e/w 12 DS3 & 336 DS1	$553.63	$1.65	33.3%	$4.94	1.3%	$0.06
					Weighted Fiber Facility Cost	$6.98
					Subtotal Monthly Cost per DS1	**$676.46**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$725.27
ADD:	Advertising	ADSPSW	0.0027194	$1.97	
	Marketing	MKSPSW	0.0116465	$8.45	
	Sales	SASPSW	0.0115756	$8.40	$18.81
				Total Monthly Cost per DS1	**$744.08**

High Capacity DS3 Facilities

PARRISH
PRSHFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,878.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$553.63	$184.54	33.3%	$553.63	18.5%	$102.24
OC-12 w/ 9 DS3	$553.63	$61.51	33.3%	$184.54	0.3%	$0.46
OC-12 w/ 12 DS3	$553.63	$46.14	33.3%	$138.41	27.1%	$37.56
OC48 w/ 24 DS3	$553.63	$23.07	33.3%	$69.20	2.1%	$1.48
OC-48 w/ 48 DS3	$553.63	$11.53	33.3%	$34.60	52.0%	$18.00
					Weighted Fiber Facility Cost	$159.74
				Subtotal Monthly Cost per DS3		**$1,041.76**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,090.57
ADD:	Advertising	ADSPSW	0.0027194	$2.97	
	Marketing	MKSPSW	0.0116465	$12.70	
	Sales	SASPSW	0.0115756	$12.62	$28.29
			Total Monthly Cost per DS3		**$1,118.86**

High Capacity DS1 Facilities

PASADENA
PSDNFLXA34H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$103.57	$103.57	90.0%	$115.07	63.7%	$73.34
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$122.59

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$214.63	$2.56	33.3%	$7.67	31.0%	$2.38
OC3 e/w 3 DS3 & 84 DS1 Mux	$214.63	$2.56	33.3%	$7.67	3.9%	$0.30
OC-12 e/w 12 DS3 & 336 DS1	$214.63	$0.64	33.3%	$1.92	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.71
				Subtotal Monthly Cost per DS1		**$125.30**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$174.11
ADD: Advertising	ADSPSW	0.0027194	$0.47		
Marketing	MKSPSW	0.0116465	$2.03		
Sales	SASPSW	0.0115756	$2.02		$4.52
				Total Monthly Cost per DS1	**$178.62**

High Capacity DS3 Facilities

PASADENA
PSDNFLXA34H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
			Weighted Circuit Equipment Costs - Electrical Interface			$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$214.63	$71.54	33.3%	$214.63	18.5%	$39.64
OC-12 w/ 9 DS3	$214.63	$23.85	33.3%	$71.54	0.3%	$0.18
OC-12 w/ 12 DS3	$214.63	$17.89	33.3%	$53.66	27.1%	$14.56
OC48 w/ 24 DS3	$214.63	$8.94	33.3%	$26.83	2.1%	$0.57
OC-48 w/ 48 DS3	$214.63	$4.47	33.3%	$13.41	52.0%	$6.98
				Weighted Fiber Facility Cost		$61.93
				Subtotal Monthly Cost per DS3		**$943.95**

ADD: Maintenance & Support		DS3NAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$992.76
ADD: Advertising	ADSPSW	0.0027194	$2.70		
Marketing	MKSPSW	0.0116465	$11.56		
Sales	SASPSW	0.0115756	$11.49		$25.75
			Total Monthly Cost per DS3		**$1,018.51**

High Capacity DS1 Facilities

PINECREST
PNCRFLXA73J

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$297.89	$297.89	90.0%	$330.99	63.7%	$210.94
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$260.20

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$515.16	$6.13	33.3%	$18.40	31.0%	$5.71
OC3 e/w 3 DS3 & 84 DS1 Mux	$515.16	$6.13	33.3%	$18.40	3.9%	$0.73
OC-12 e/w 12 DS3 & 336 DS1	$515.16	$1.53	33.3%	$4.60	1.3%	$0.06
					Weighted Fiber Facility Cost	$6.50
				Subtotal Monthly Cost per DS1		**$266.69**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$315.50
ADD:	Advertising	ADSPSW	0.0027194	$0.86	
	Marketing	MKSPSW	0.0116465	$3.67	
	Sales	SASPSW	0.0115756	$3.65	$8.18
				Total Monthly Cost per DS1	**$323.69**

High Capacity DS3 Facilities

PINECREST
PNCRFLXA73J

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$515.16	$171.72	33.3%	$515.16	18.5%	$95.14
OC-12 w/ 9 DS3	$515.16	$57.24	33.3%	$171.72	0.3%	$0.43
OC-12 w/ 12 DS3	$515.16	$42.93	33.3%	$128.79	27.1%	$34.95
OC48 w/ 24 DS3	$515.16	$21.47	33.3%	$64.40	2.1%	$1.38
OC-48 w/ 48 DS3	$515.16	$10.73	33.3%	$32.20	52.0%	$16.75
					Weighted Fiber Facility Cost	$148.64
					Subtotal Monthly Cost per DS3	**$1,030.66**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,079.47
ADD:	Advertising	ADSPSW	0.0027194	$2.94	
	Marketing	MKSPSW	0.0116465	$12.57	
	Sales	SASPSW	0.0115756	$12.50	$28.00
				Total Monthly Cost per DS3	**$1,107.47**

High Capacity DS1 Facilities

PINELLAS
PNLSFLXA53H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$101.23	$101.23	90.0%	$112.47	63.7%	$71.68
OC3 e/w 84 DS1s	$1,888.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.89	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$120.93

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$234.45	$2.79	33.3%	$8.37	31.0%	$2.60
OC3 e/w 3 DS3 & 84 DS1 Mux	$234.45	$2.79	33.3%	$8.37	3.9%	$0.33
OC-12 e/w 12 DS3 & 336 DS1	$234.45	$0.70	33.3%	$2.09	1.3%	$0.03
				Weighted Fiber Facility Cost		$2.96
				Subtotal Monthly Cost per DS1		**$123.89**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$172.70
ADD:	Advertising	ADSPSW	0.0027194	$0.47	
	Marketing	MKSPSW	0.0116465	$2.01	
	Sales	SASPSW	0.0115756	$2.00	$4.48
				Total Monthly Cost per DS1	**$177.18**

High Capacity DS3 Facilities

PINELLAS
PNLSFLXA53H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,919.91	$162.89	23.3%	$698.82	52.0%	$363.45
			Weighted Circuit Equipment Costs - Electrical Interface			$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$234.45	$78.15	33.3%	$234.45	18.5%	$43.30
OC-12 w/ 9 DS3	$234.45	$26.05	33.3%	$78.15	0.3%	$0.20
OC-12 w/ 12 DS3	$234.45	$19.54	33.3%	$58.61	27.1%	$15.90
OC48 w/ 24 DS3	$234.45	$9.77	33.3%	$29.31	2.1%	$0.63
OC-48 w/ 48 DS3	$234.45	$4.88	33.3%	$14.65	52.0%	$7.62
				Weighted Fiber Facility Cost		$67.64
				Subtotal Monthly Cost per DS3		**$949.67**

ADD: Maintenance & Support		OS3NAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$998.48
ADD: Advertising	ADSPSW	0.0027194	$2.72		
Marketing	MKSPSW	0.0116465	$11.63		
Sales	SASPSW	0.0115756	$11.56		$25.90
			Total Monthly Cost per DS3		**$1,024.38**

High Capacity DS1 Facilities

PLANT CITY
PTCYFLXA75H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$148.05	$148.05	90.0%	$164.50	63.7%	$104.84
OC3 e/w 84 DS1s	$1,885.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,366.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$154.09

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$340.62	$4.06	33.3%	$12.17	31.0%	$3.78
OC3 e/w 3 DS3 & 84 DS1 Mux	$340.62	$4.06	33.3%	$12.17	3.9%	$0.48
OC-12 e/w 12 DS3 & 336 DS1	$340.62	$1.01	33.3%	$3.04	1.3%	$0.04
				Weighted Fiber Facility Cost		$4.29
				Subtotal Monthly Cost per DS1		**$158.38**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$207.19
ADD:	Advertising	ADSPSW	0.0027194	$0.56	
	Marketing	MKSPSW	0.0116465	$2.41	
	Sales	SASPSW	0.0115756	$2.40	$5.37
				Total Monthly Cost per DS1	**$212.57**

High Capacity DS3 Facilities

PLANT CITY
PTCYFLXA75H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,618.91	$162.89	23.3%	$698.82	52.0%	$363.45
			Weighted Circuit Equipment Costs - Electrical Interface			$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$340.62	$113.54	33.3%	$340.62	18.5%	$62.90
OC-12 w/ 9 DS3	$340.62	$37.85	33.3%	$113.54	0.3%	$0.29
OC-12 w/ 12 DS3	$340.62	$28.39	33.3%	$85.16	27.1%	$23.11
OC48 w/ 24 DS3	$340.62	$14.19	33.3%	$42.58	2.1%	$0.91
OC-48 w/ 48 DS3	$340.62	$7.10	33.3%	$21.29	52.0%	$11.07
					Weighted Fiber Facility Cost	$98.28
					Subtotal Monthly Cost per DS3	**$980.30**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,029.11
ADD:	Advertising	ADSPSW	0.0027194	$2.80	
	Marketing	MKSPSW	0.0116465	$11.99	
	Sales	SASPSW	0.0115756	$11.91	$26.70
				Total Monthly Cost per DS3	**$1,055.80**

High Capacity DS1 Facilities

POINCIANA
POINFLXARSA

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$587.93	$587.93	90.0%	$653.26	63.7%	$416.33
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$465.58

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$192.14	$2.29	33.3%	$6.86	31.0%	$2.13
OC3 e/w 3 DS3 & 84 DS1 Mux	$192.14	$2.29	33.3%	$6.86	3.9%	$0.27
OC-12 e/w 12 DS3 & 336 DS1	$192.14	$0.57	33.3%	$1.72	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.42
				Subtotal Monthly Cost per DS1		**$468.00**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$516.81
ADD:	Advertising	ADSPSW	0.0027194	$1.41	
	Marketing	MKSPSW	0.0116465	$6.02	
	Sales	SASPSW	0.0115756	$5.98	$13.41
				Total Monthly Cost per DS1	**$530.22**

High Capacity DS3 Facilities

POINCIANA
POINFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.52	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$192.14	$64.05	33.3%	$192.14	18.5%	$35.48
OC-12 w/ 9 DS3	$192.14	$21.35	33.3%	$64.05	0.3%	$0.16
OC-12 w/ 12 DS3	$192.14	$16.01	33.3%	$48.04	27.1%	$13.03
OC48 w/ 24 DS3	$192.14	$8.01	33.3%	$24.02	2.1%	$0.51
OC-48 w/ 48 DS3	$192.14	$4.00	33.3%	$12.01	52.0%	$6.25
					Weighted Fiber Facility Cost	$55.44
					Subtotal Monthly Cost per DS3	**$937.48**
ADD: Maintenance & Support			DS3NAC	$41.44		
Maintenance & Support			NIDABC	$0.21		
Billing & Collection			BCBUS x .65	$7.16		$48.81
						$986.27
ADD: Advertising		ADSPSW	0.0027194	$2.68		
Marketing		MKSPSW	0.0116465	$11.49		
Sales		SASPSW	0.0115756	$11.42		$25.59
					Total Monthly Cost per DS3	**$1,011.85**

High Capacity DS1 Facilities

POLK CITY
PKCYFLXARSA

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$327.64	$327.64	90.0%	$364.05	63.7%	$232.01
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$281.26

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$333.99	$3.98	33.3%	$11.93	31.0%	$3.70
OC3 e/w 3 DS3 & 84 DS1 Mux	$333.99	$3.98	33.3%	$11.93	3.9%	$0.47
OC-12 e/w 12 DS3 & 336 DS1	$333.99	$0.99	33.3%	$2.98	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.21
					Subtotal Monthly Cost per DS1	**$285.47**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$334.28
ADD:	Advertising	ADSPSW	0.0027194	$0.91	
	Marketing	MKSPSW	0.0116465	$3.89	
	Sales	SASPSW	0.0115756	$3.87	$8.67
				Total Monthly Cost per DS1	**$342.95**

High Capacity DS3 Facilities

POLK CITY
PKCYFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$333.99	$111.33	33.3%	$333.99	18.5%	$61.68
OC-12 w/ 9 DS3	$333.99	$37.11	33.3%	$111.33	0.3%	$0.28
OC-12 w/ 12 DS3	$333.99	$27.83	33.3%	$83.50	27.1%	$22.66
OC48 w/ 24 DS3	$333.99	$13.92	33.3%	$41.75	2.1%	$0.89
OC-48 w/ 48 DS3	$333.99	$6.96	33.3%	$20.87	52.0%	$10.86
					Weighted Fiber Facility Cost	$96.36
				Subtotal Monthly Cost per DS3		**$978.39**
ADD: Maintenance & Support			DS3NAC	$41.44		
Maintenance & Support			NIDABC	$0.21		
Billing & Collection			BCBUS x .65	$7.16		$48.81
						$1,027.19
ADD: Advertising		ADSPSW	0.0027194	$2.79		
Marketing		MKSPSW	0.0116465	$11.96		
Sales		SASPSW	0.0115756	$11.89		$26.65
				Total Monthly Cost per DS3		**$1,053.84**

High Capacity DS1 Facilities

RUSKIN
RSKNFLXA64H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$142.07	$142.07	90.0%	$157.86	63.7%	$100.60
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$149.86

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$343.08	$4.08	33.3%	$12.25	31.0%	$3.80
OC3 e/w 3 DS3 & 84 DS1 Mux	$343.08	$4.08	33.3%	$12.25	3.9%	$0.48
OC-12 e/w 12 DS3 & 336 DS1	$343.08	$1.02	33.3%	$3.06	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.33
					Subtotal Monthly Cost per DS1	**$154.18**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$202.99
ADD:	Advertising	ADSPSW	0.0027194	$0.55	
	Marketing	MKSPSW	0.0116465	$2.36	
	Sales	SASPSW	0.0115756	$2.35	$5.27
				Total Monthly Cost per DS1	**$208.26**

High Capacity DS3 Facilities

RUSKIN
RSKNFLXA64H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.09	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.66	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$343.08	$114.36	33.3%	$343.08	18.5%	$63.36
OC-12 w/ 9 DS3	$343.08	$38.12	33.3%	$114.36	0.3%	$0.29
OC-12 w/ 12 DS3	$343.08	$28.59	33.3%	$85.77	27.1%	$23.27
OC48 w/ 24 DS3	$343.08	$14.30	33.3%	$42.89	2.1%	$0.92
OC-48 w/ 48 DS3	$343.08	$7.15	33.3%	$21.44	52.0%	$11.15
					Weighted Fiber Facility Cost	$98.99
				Subtotal Monthly Cost per DS3		**$981.01**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,029.82
ADD:	Advertising	ADSPSW	0.0027194	$2.80	
	Marketing	MKSPSW	0.0116465	$11.99	
	Sales	SASPSW	0.0115756	$11.92	$26.72
			Total Monthly Cost per DS3		**$1,056.53**

High Capacity DS1 Facilities

SARASOTA MAIN
SRSTFLXA95H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$83.03	$83.03	90.0%	$92.26	63.7%	$58.80
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$108.05

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$169.51	$2.02	33.3%	$6.05	31.0%	$1.88
OC3 e/w 3 DS3 & 84 DS1 Mux	$169.51	$2.02	33.3%	$6.05	3.9%	$0.24
OC-12 e/w 12 DS3 & 336 DS1	$169.51	$0.50	33.3%	$1.51	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.14
				Subtotal Monthly Cost per DS1		**$110.19**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$159.00
ADD: Advertising	ADSPSW	0.0027194	$0.43		
Marketing	MKSPSW	0.0116465	$1.85		
Sales	SASPSW	0.0115756	$1.84		$4.12
			Total Monthly Cost per DS1		**$163.12**

High Capacity DS3 Facilities

SARASOTA MAIN
SRSTFLXA95H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$3,070.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
			Weighted Circuit Equipment Costs - Electrical Interface			$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$169.51	$56.50	33.3%	$169.51	18.5%	$31.30
OC-12 w/ 9 DS3	$169.51	$18.83	33.3%	$56.50	0.3%	$0.14
OC-12 w/ 12 DS3	$169.51	$14.13	33.3%	$42.38	27.1%	$11.50
OC48 w/ 24 DS3	$169.51	$7.06	33.3%	$21.19	2.1%	$0.45
OC-48 w/ 48 DS3	$169.51	$3.53	33.3%	$10.59	52.0%	$5.51
					Weighted Fiber Facility Cost	$48.91
					Subtotal Monthly Cost per DS3	**$930.93**
ADD: Maintenance & Support			DS3NAC	$41.44		
Maintenance & Support			NIDABC	$0.21		
Billing & Collection			BCBUS x .65	$7.16		$48.81
						$979.74
ADD: Advertising		ADSPSW	0.0027194	$2.66		
Marketing		MKSPSW	0.0116465	$11.41		
Sales		SASPSW	0.0115756	$11.34		$25.42
					Total Monthly Cost per DS3	**$1,005.15**

High Capacity DS1 Facilities

SARASOTA SPRINGS
SPRGFLXA37H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$115.44	$115.44	90.0%	$128.27	63.7%	$81.75
OC3 e/w 84 DS1s	$1,866.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$131.00

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$236.56	$2.82	33.3%	$8.45	31.0%	$2.62
OC3 e/w 3 DS3 & 84 DS1 Mux	$236.56	$2.82	33.3%	$8.45	3.9%	$0.33
OC-12 e/w 12 DS3 & 336 DS1	$236.56	$0.70	33.3%	$2.11	1.3%	$0.03
					Weighted Fiber Facility Cost	$2.98
					Subtotal Monthly Cost per DS1	**$133.98**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x 65	$7.16		$48.81
					$182.79
ADD:	Advertising	ADSPSW	0.0027194	$0.50	
	Marketing	MKSPSW	0.0116465	$2.13	
	Sales	SASPSW	0.0115756	$2.12	$4.74
				Total Monthly Cost per DS1	**$187.53**

High Capacity DS3 Facilities

SARASOTA SPRINGS
SPRGFLXA37H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,426.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,318.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST *Equipment Configuration*	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$236.56	$78.85	33.3%	$236.56	18.5%	$43.69
OC-12 w/ 9 DS3	$236.56	$26.28	33.3%	$78.85	0.3%	$0.20
OC-12 w/ 12 DS3	$236.56	$19.71	33.3%	$59.14	27.1%	$16.05
OC48 w/ 24 DS3	$236.56	$9.86	33.3%	$29.57	2.1%	$0.63
OC-48 w/ 48 DS3	$236.56	$4.93	33.3%	$14.79	52.0%	$7.69
					Weighted Fiber Facility Cost	$68.25
				Subtotal Monthly Cost per DS3		**$950.27**
ADD: Maintenance & Support			DS3NAC	$41.44		
Maintenance & Support			NIDABC	$0.21		
Billing & Collection			BCBUS x .65	$7.16		$48.81
						$999.08
ADD: Advertising		ADSPSW	0.0027194	$2.72		
Marketing		MKSPSW	0.0116465	$11.64		
Sales		SASPSW	0.0115756	$11.57		$25.92
				Total Monthly Cost per DS3		**$1,025.00**

High Capacity DS1 Facilities

SEMINOLE
SMNLFLXA23H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$95.98	$95.98	90.0%	$106.64	63.7%	$67.97
OC3 e/w 84 DS1s	$1,885.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.26	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.59	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$117.22

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$169.42	$2.02	33.3%	$6.05	31.0%	$1.88
OC3 e/w 3 DS3 & 84 DS1 Mux	$169.42	$2.02	33.3%	$6.05	3.9%	$0.24
OC-12 e/w 12 DS3 & 336 DS1	$169.42	$0.50	33.3%	$1.51	1.3%	$0.02
					Weighted Fiber Facility Cost	$2.14
					Subtotal Monthly Cost per DS1	**$119.36**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$168.16
ADD:	Advertising	ADSPSW	0.0027194	$0.46	
	Marketing	MKSPSW	0.0116465	$1.96	
	Sales	SASPSW	0.0115756	$1.95	$4.36
				Total Monthly Cost per DS1	**$172.53**

High Capacity DS3 Facilities

SEMINOLE
SMNLFLXA23H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w. 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST *Equipment Configuration*	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$169.42	$56.47	33.3%	$169.42	18.5%	$31.29
OC-12 w/ 9 DS3	$169.42	$18.82	33.3%	$56.47	0.3%	$0.14
OC-12 w/ 12 DS3	$169.42	$14.12	33.3%	$42.36	27.1%	$11.49
OC48 w/ 24 DS3	$169.42	$7.06	33.3%	$21.18	2.1%	$0.45
OC-48 w/ 48 DS3	$169.42	$3.53	33.3%	$10.59	52.0%	$5.51
				Weighted Fiber Facility Cost		$48.88
				Subtotal Monthly Cost per DS3		**$930.90**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$979.71
ADD:	Advertising	ADSPSW	0.0027194	$2.66	
	Marketing	MKSPSW	0.0116465	$11.41	
	Sales	SASPSW	0.0115756	$11.34	$25.42
				Total Monthly Cost per DS3	**$1,005.13**

High Capacity DS1 Facilities

SEVEN SPRINGS
SNSPFLXA37H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$106.47	$106.47	90.0%	$118.30	63.7%	$75.39
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.59	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$124.65

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$264.34	$3.15	33.3%	$9.44	31.0%	$2.93
OC3 e/w 3 DS3 & 84 DS1 Mux	$264.34	$3.15	33.3%	$9.44	3.9%	$0.37
OC-12 e/w 12 DS3 & 336 DS1	$264.34	$0.79	33.3%	$2.36	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.33
					Subtotal Monthly Cost per DS1	**$127.98**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$176.79
ADD: Advertising	ADSPSW	0.0027194	$0.48		
Marketing	MKSPSW	0.0116465	$2.06		
Sales	SASPSW	0.0115756	$2.05		$4.59
				Total Monthly Cost per DS1	**$181.37**

High Capacity DS3 Facilities

SEVEN SPRINGS
SNSPFLXA37H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$264.34	$88.11	33.3%	$264.34	18.5%	$48.82
OC-12 w/ 9 DS3	$264.34	$29.37	33.3%	$88.11	0.3%	$0.22
OC-12 w/ 12 DS3	$264.34	$22.03	33.3%	$66.09	27.1%	$17.93
OC48 w/ 24 DS3	$264.34	$11.01	33.3%	$33.04	2.1%	$0.71
OC-48 w/ 48 DS3	$264.34	$5.51	33.3%	$16.52	52.0%	$8.59
					Weighted Fiber Facility Cost	$76.27
				Subtotal Monthly Cost per DS3		**$958.29**

ADD: Maintenance & Support		DS3NAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$1,007.10
ADD: Advertising	ADSPSW	0.0027194	$2.74		
Marketing	MKSPSW	0.0116465	$11.73		
Sales	SASPSW	0.0115756	$11.66		$26.13
			Total Monthly Cost per DS3		**$1,033.22**

High Capacity DS1 Facilities

SIESTA KEY
SEKYFLXA34H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$93.47	$93.47	90.0%	$103.85	63.7%	$66.19
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$115.44

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$205.72	$2.45	33.3%	$7.35	31.0%	$2.28
OC3 e/w 3 DS3 & 84 DS1 Mux	$205.72	$2.45	33.3%	$7.35	3.9%	$0.29
OC-12 e/w 12 DS3 & 336 DS1	$205.72	$0.61	33.3%	$1.84	1.3%	$0.02
					Weighted Fiber Facility Cost	$2.59
					Subtotal Monthly Cost per DS1	**$118.03**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$166.84
ADD:	Advertising	ADSPSW	0.0027194	$0.45	
	Marketing	MKSPSW	0.0116465	$1.94	
	Sales	SASPSW	0.0115756	$1.93	$4.33
				Total Monthly Cost per DS1	**$171.17**

High Capacity DS3 Facilities

SIESTA KEY
SEKYFLXA34H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$205.72	$68.57	33.3%	$205.72	18.5%	$37.99
OC-12 w/ 9 DS3	$205.72	$22.86	33.3%	$68.57	0.3%	$0.17
OC-12 w/ 12 DS3	$205.72	$17.14	33.3%	$51.43	27.1%	$13.96
OC48 w/ 24 DS3	$205.72	$8.57	33.3%	$25.72	2.1%	$0.55
OC-48 w/ 48 DS3	$205.72	$4.29	33.3%	$12.86	52.0%	$6.69
					Weighted Fiber Facility Cost	$59.36
					Subtotal Monthly Cost per DS3	**$941.38**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$990.19
ADD:	Advertising	ADSPSW	0.0027194	$2.69	
	Marketing	MKSPSW	0.0116465	$11.53	
	Sales	SASPSW	0.0115756	$11.46	$25.69
				Total Monthly Cost per DS3	**$1,015.87**

High Capacity DS1 Facilities

SKYWAY
SKWYFLXADS0

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$100.21	$100.21	90.0%	$111.35	63.7%	$70.96
OC3 e/w 84 DS1s	$1,886.46	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$120.22

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$197.71	$2.35	33.3%	$7.06	31.0%	$2.19
OC3 e/w 3 DS3 & 84 DS1 Mux	$197.71	$2.35	33.3%	$7.06	3.9%	$0.28
OC-12 e/w 12 DS3 & 336 DS1	$197.71	$0.59	33.3%	$1.77	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.49
				Subtotal Monthly Cost per DS1		**$122.71**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		*NIDABC*	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$171.52
ADD: Advertising	ADSPSW	0.0027194	$0.47		
Marketing	MKSPSW	0.0116465	$2.00		
Sales	SASPSW	0.0115756	$1.99		$4.45
			Total Monthly Cost per DS1		**$175.97**

High Capacity DS3 Facilities

SKYWAY
SKWYFLXADS0

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$197.71	$65.90	33.3%	$197.71	18.5%	$36.51
OC-12 w/ 9 DS3	$197.71	$21.97	33.3%	$65.90	0.3%	$0.17
OC-12 w/ 12 DS3	$197.71	$16.48	33.3%	$49.43	27.1%	$13.41
OC48 w/ 24 DS3	$197.71	$8.24	33.3%	$24.71	2.1%	$0.53
OC-48 w/ 48 DS3	$197.71	$4.12	33.3%	$12.36	52.0%	$6.43
					Weighted Fiber Facility Cost	$57.04
				Subtotal Monthly Cost per DS3		**$939.07**
ADD: Maintenance & Support			DS3NAC	$41.44		
Maintenance & Support			NIDABC	$0.21		
Billing & Collection			BCBUS x .65	$7.16		$48.81
						$987.87
ADD: Advertising		ADSPSW	0.0027194	$2.69		
Marketing		MKSPSW	0.0116465	$11.51		
Sales		SASPSW	0.0115756	$11.44		$25.63
				Total Monthly Cost per DS3		***$1,013.50***

High Capacity DS1 Facilities

SOUTH GULF BEACH
SGBEFLXA36H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$92.65	$92.65	90.0%	$102.94	63.7%	$65.61
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,366.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$114.86

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$212.18	$2.53	33.3%	$7.58	31.0%	$2.35
OC3 e/w 3 DS3 & 84 DS1 Mux	$212.18	$2.53	33.3%	$7.58	3.9%	$0.30
OC-12 e/w 12 DS3 & 336 DS1	$212.18	$0.63	33.3%	$1.89	1.3%	$0.02
					Weighted Fiber Facility Cost	$2.68
					Subtotal Monthly Cost per DS1	**$117.53**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$166.34
ADD: Advertising	ADSPSW	0.0027194	$0.45		
Marketing	MKSPSW	0.0116465	$1.94		
Sales	SASPSW	0.0115756	$1.93		$4.32
				Total Monthly Cost per DS1	**$170.66**

High Capacity DS3 Facilities

SOUTH GULF BEACH
SGBEFLXA36H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$212.18	$70.73	33.3%	$212.18	18.5%	$39.18
OC-12 w/ 9 DS3	$212.18	$23.58	33.3%	$70.73	0.3%	$0.18
OC-12 w/ 12 DS3	$212.18	$17.68	33.3%	$53.05	27.1%	$14.39
OC48 w/ 24 DS3	$212.18	$8.84	33.3%	$26.52	2.1%	$0.57
OC-48 w/ 48 DS3	$212.18	$4.42	33.3%	$13.26	52.0%	$6.90
					Weighted Fiber Facility Cost	$61.22
					Subtotal Monthly Cost per DS3	**$943.24**

ADD:	Maintenance & Support	OS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$992.05
ADD:	Advertising	ADSPSW	0.0027194	$2.70	
	Marketing	MKSPSW	0.0116465	$11.55	
	Sales	SASPSW	0.0115756	$11.48	$25.74
				Total Monthly Cost per DS3	**$1,017.78**

High Capacity DS1 Facilities

SOUTHSIDE
SSDSFLXA92H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$120.91	$120.91	90.0%	$134.34	63.7%	$85.62
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$134.87

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$329.31	$3.92	33.3%	$11.76	31.0%	$3.65
OC3 e/w 3 DS3 & 84 DS1 Mux	$329.31	$3.92	33.3%	$11.76	3.9%	$0.46
OC-12 e/w 12 DS3 & 336 DS1	$329.31	$0.98	33.3%	$2.94	1.3%	$0.04
				Weighted Fiber Facility Cost		$4.15
				Subtotal Monthly Cost per DS1		**$139.02**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$187.83
ADD:	Advertising	ADSPSW	0.0027194	$0.51	
	Marketing	MKSPSW	0.0116465	$2.19	
	Sales	SASPSW	0.0115756	$2.17	$4.87
				Total Monthly Cost per DS1	**$192.70**

High Capacity DS3 Facilities

SOUTHSIDE
SSDSFLXA92H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$329.31	$109.77	33.3%	$329.31	18.5%	$60.81
OC-12 w/ 9 DS3	$329.31	$36.59	33.3%	$109.77	0.3%	$0.28
OC-12 w/ 12 DS3	$329.31	$27.44	33.3%	$82.33	27.1%	$22.34
OC48 w/ 24 DS3	$329.31	$13.72	33.3%	$41.16	2.1%	$0.88
OC-48 w/ 48 DS3	$329.31	$6.86	33.3%	$20.58	52.0%	$10.70
				Weighted Fiber Facility Cost		$95.01
				Subtotal Monthly Cost per DS3		**$977.04**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,025.84
ADD:	Advertising	ADSPSW	0.0027194	$2.79	
	Marketing	MKSPSW	0.0116465	$11.95	
	Sales	SASPSW	0.0115756	$11.87	$26.61
				Total Monthly Cost per DS3	**$1,052.46**

High Capacity DS1 Facilities

ST. ARMANDS KEY
SARKFLXARSA

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$72.35	$72.35	90.0%	$80.39	63.7%	$51.24
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$100.49

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$85.53	$1.02	33.3%	$3.05	31.0%	$0.95
OC3 e/w 3 DS3 & 84 DS1 Mux	$85.53	$1.02	33.3%	$3.05	3.9%	$0.12
OC-12 e/w 12 DS3 & 336 DS1	$85.53	$0.25	33.3%	$0.76	1.3%	$0.01
					Weighted Fiber Facility Cost	$1.08
					Subtotal Monthly Cost per DS1	**$101.57**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$150.38
ADD:	Advertising	ADSPSW	0.0027194	$0.41	
	Marketing	MKSPSW	0.0116465	$1.75	
	Sales	SASPSW	0.0115756	$1.74	$3.90
				Total Monthly Cost per DS1	**$154.28**

High Capacity DS3 Facilities

ST. ARMANDS KEY
SARKFLXARSA

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$85.53	$28.51	33.3%	$85.53	18.5%	$15.80
OC-12 w/ 9 DS3	$85.53	$9.50	33.3%	$28.51	0.3%	$0.07
OC-12 w/ 12 DS3	$85.53	$7.13	33.3%	$21.38	27.1%	$5.80
OC48 w/ 24 DS3	$85.53	$3.56	33.3%	$10.69	2.1%	$0.23
OC-48 w/ 48 DS3	$85.53	$1.78	33.3%	$5.35	52.0%	$2.78
					Weighted Fiber Facility Cost	$24.68
					Subtotal Monthly Cost per DS3	**$906.70**

ADD:	Maintenance & Support	OS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$955.51
ADD:	Advertising	ADSPSW	0.0027194	$2.60	
	Marketing	MKSPSW	0.0116465	$11.13	
	Sales	SASPSW	0.0115756	$11.06	$24.79
				Total Monthly Cost per DS3	**$980.30**

High Capacity DS1 Facilities

ST. GEORGE
STGRFLXA78H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$99.61	$99.61	90.0%	$110.68	63.7%	$70.54
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$119.79

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$247.35	$2.94	33.3%	$8.83	31.0%	$2.74
OC3 e/w 3 DS3 & 84 DS1 Mux	$247.35	$2.94	33.3%	$8.83	3.9%	$0.35
OC-12 e/w 12 DS3 & 336 DS1	$247.35	$0.74	33.3%	$2.21	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.12
					Subtotal Monthly Cost per DS1	**$122.91**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$171.72
ADD:	Advertising	ADSPSW	0.0027194	$0.47	
	Marketing	MKSPSW	0.0116465	$2.00	
	Sales	SASPSW	0.0115756	$1.99	$4.45
				Total Monthly Cost per DS1	**$176.17**

High Capacity DS3 Facilities

ST. GEORGE
STGRFLXA78H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$247.35	$82.45	33.3%	$247.35	18.5%	$45.68
OC-12 w/ 9 DS3	$247.35	$27.48	33.3%	$82.45	0.3%	$0.21
OC-12 w/ 12 DS3	$247.35	$20.61	33.3%	$61.84	27.1%	$16.78
OC48 w/ 24 DS3	$247.35	$10.31	33.3%	$30.92	2.1%	$0.66
OC-48 w/ 48 DS3	$247.35	$5.15	33.3%	$15.46	52.0%	$8.04
					Weighted Fiber Facility Cost	$71.37
				Subtotal Monthly Cost per DS3		**$953.39**
ADD: Maintenance & Support			DS3NAC	$41.44		
Maintenance & Support			NIDABC	$0.21		
Billing & Collection			BCBUS x .65	$7.16		$48.81
						$1,002.20
ADD: Advertising		ADSPSW	0.0027194	$2.73		
Marketing		MKSPSW	0.0116465	$11.67		
Sales		SASPSW	0.0115756	$11.60		$26.00
				Total Monthly Cost per DS3		**$1,028.20**

High Capacity DS1 Facilities

ST. PETERSBURG MAIN
SPBGFLXA89H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$77.72	$77.72	90.0%	$86.35	63.7%	$55.03
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,366.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$104.29

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$138.81	$1.65	33.3%	$4.96	31.0%	$1.54
OC3 e/w 3 DS3 & 84 DS1 Mux	$138.81	$1.65	33.3%	$4.96	3.9%	$0.20
OC-12 e/w 12 DS3 & 336 DS1	$138.81	$0.41	33.3%	$1.24	1.3%	$0.02
				Weighted Fiber Facility Cost		$1.75
				Subtotal Monthly Cost per DS1		**$106.04**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$154.84
ADD:	Advertising	ADSPSW	0.0027194	$0.42	
	Marketing	MKSPSW	0.0116465	$1.80	
	Sales	SASPSW	0.0115756	$1.79	$4.02
				Total Monthly Cost per DS1	**$158.86**

High Capacity DS3 Facilities

ST. PETERSBURG MAIN
SPBGFLXA89H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$138.81	$46.27	33.3%	$138.81	18.5%	$25.63
OC-12 w/ 9 DS3	$138.81	$15.42	33.3%	$46.27	0.3%	$0.12
OC-12 w/ 12 DS3	$138.81	$11.57	33.3%	$34.70	27.1%	$9.42
OC48 w/ 24 DS3	$138.81	$5.78	33.3%	$17.35	2.1%	$0.37
OC-48 w/ 48 DS3	$138.81	$2.89	33.3%	$8.68	52.0%	$4.51
					Weighted Fiber Facility Cost	$40.05
					Subtotal Monthly Cost per DS3	**$922.07**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$970.88
ADD:	Advertising	ADSPSW	0.0027194	$2.64	
	Marketing	MKSPSW	0.0116465	$11.31	
	Sales	SASPSW	0.0115756	$11.24	$25.19
				Total Monthly Cost per DS3	**$996.07**

High Capacity DS1 Facilities

ST. PETERSBURG SOUTH
SPBGFLXS86H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$105.70	$105.70	90.0%	$117.44	63.7%	$74.85
OC3 e/w 84 DS1's	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$124.10

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$208.14	$2.48	33.3%	$7.43	31.0%	$2.31
OC3 e/w 3 DS3 & 84 DS1 Mux	$208.14	$2.48	33.3%	$7.43	3.9%	$0.29
OC-12 e/w 12 DS3 & 336 DS1	$208.14	$0.62	33.3%	$1.86	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.62
				Subtotal Monthly Cost per DS1		**$126.72**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$175.53
ADD:	Advertising	ADSPSW	0.0027194	$0.48	
	Marketing	MKSPSW	0.0116465	$2.04	
	Sales	SASPSW	0.0115756	$2.03	$4.55
				Total Monthly Cost per DS1	**$180.09**

High Capacity DS3 Facilities

ST. PETERSBURG SOUTH
SPBGFLXS86H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,813.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$208.14	$69.38	33.3%	$208.14	18.5%	$38.44
OC-12 w/ 9 DS3	$208.14	$23.13	33.3%	$69.38	0.3%	$0.17
OC-12 w/ 12 DS3	$208.14	$17.35	33.3%	$52.04	27.1%	$14.12
OC48 w/ 24 DS3	$208.14	$8.67	33.3%	$26.02	2.1%	$0.56
OC-48 w/ 48 DS3	$208.14	$4.34	33.3%	$13.01	52.0%	$6.77
					Weighted Fiber Facility Cost	$60.05
				Subtotal Monthly Cost per DS3		**$942.07**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$990.88
ADD:	Advertising	ADSPSW	0.0027194	$2.69	
	Marketing	MKSPSW	0.0116465	$11.54	
	Sales	SASPSW	0.0115756	$11.47	$25.71
			Total Monthly Cost per DS3		**$1,016.59**

High Capacity DS1 Facilities

SULPHUR SPRINGS
SLSPFLXA93H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$105.84	$105.84	90.0%	$117.60	63.7%	$74.95
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$124.20

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$230.80	$2.75	33.3%	$8.24	31.0%	$2.56
OC3 e/w 3 DS3 & 84 DS1 Mux	$230.80	$2.75	33.3%	$8.24	3.9%	$0.33
OC-12 e/w 12 DS3 & 336 DS1	$230.80	$0.69	33.3%	$2.06	1.3%	$0.03
					Weighted Fiber Facility Cost	$2.91
					Subtotal Monthly Cost per DS1	**$127.11**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$175.92

ADD:	Advertising	ADSPSW	0.0027194	$0.48	
	Marketing	MKSPSW	0.0116465	$2.05	
	Sales	SASPSW	0.0115756	$2.04	$4.56
				Total Monthly Cost per DS1	**$180.49**

High Capacity DS3 Facilities

SULPHUR SPRINGS
SLSPFLXA93H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$230.80	$76.93	33.3%	$230.80	18.5%	$42.62
OC-12 w/ 9 DS3	$230.80	$25.64	33.3%	$76.93	0.3%	$0.19
OC-12 w/ 12 DS3	$230.80	$19.23	33.3%	$57.70	27.1%	$15.66
OC48 w/ 24 DS3	$230.80	$9.62	33.3%	$28.85	2.1%	$0.62
OC-48 w/ 48 DS3	$230.80	$4.81	33.3%	$14.43	52.0%	$7.50
					Weighted Fiber Facility Cost	$66.59
					Subtotal Monthly Cost per DS3	**$948.61**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$997.42
ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.62	
	Sales	SASPSW	0.0115756	$11.55	$25.87
				Total Monthly Cost per DS3	**$1,023.30**

High Capacity DS1 Facilities

SWEETWATER
SWTHFLXA88H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$111.50	$111.50	90.0%	$123.89	63.7%	$78.95
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$128.21

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$252.68	$3.01	33.3%	$9.02	31.0%	$2.80
OC3 e/w 3 DS3 & 84 DS1 Mux	$252.68	$3.01	33.3%	$9.02	3.9%	$0.36
OC-12 e/w 12 DS3 & 336 DS1	$252.68	$0.75	33.3%	$2.26	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.19
					Subtotal Monthly Cost per DS1	**$131.39**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$180.20
ADD:	Advertising	ADSPSW	0.0027194	$0.49	
	Marketing	MKSPSW	0.0116465	$2.10	
	Sales	SASPSW	0.0115756	$2.09	$4.67
				Total Monthly Cost per DS1	**$184.88**

High Capacity DS3 Facilities

SWEETWATER
SWTHFLXA88H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$252.68	$84.23	33.3%	$252.68	18.5%	$46.66
OC-12 w/ 9 DS3	$252.68	$28.08	33.3%	$84.23	0.3%	$0.21
OC-12 w/ 12 DS3	$252.68	$21.06	33.3%	$63.17	27.1%	$17.14
OC48 w/ 24 DS3	$252.68	$10.53	33.3%	$31.59	2.1%	$0.67
OC-48 w/ 48 DS3	$252.68	$5.26	33.3%	$15.79	52.0%	$8.21
					Weighted Fiber Facility Cost	$72.90
					Subtotal Monthly Cost per DS3	**$954.93**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,003.73
ADD:	Advertising	ADSPSW	0.0027194	$2.73	
	Marketing	MKSPSW	0.0116465	$11.69	
	Sales	SASPSW	0.0115756	$11.62	$26.04
				Total Monthly Cost per DS3	**$1,029.77**

High Capacity DS1 Facilities

TAMPA EAST
TAMPFLXEDS0

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$130.91	$130.91	90.0%	$145.45	63.7%	$92.70
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$141.95

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$331.96	$3.95	33.3%	$11.86	31.0%	$3.68
OC3 e/w 3 DS3 & 84 DS1 Mux	$331.96	$3.95	33.3%	$11.86	3.9%	$0.47
OC-12 e/w 12 DS3 & 336 DS1	$331.96	$0.99	33.3%	$2.96	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.19
					Subtotal Monthly Cost per DS1	**$146.14**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$194.95
ADD:	Advertising	ADSPSW	0.0027194	$0.53	
	Marketing	MKSPSW	0.0116465	$2.27	
	Sales	SASPSW	0.0115756	$2.26	$5.06
				Total Monthly Cost per DS1	**$200.00**

High Capacity DS3 Facilities

TAMPA EAST
TAMPFLXEDS0

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$331.96	$110.65	33.3%	$331.96	18.5%	$61.30
OC-12 w/ 9 DS3	$331.96	$36.88	33.3%	$110.65	0.3%	$0.28
OC-12 w/ 12 DS3	$331.96	$27.66	33.3%	$82.99	27.1%	$22.52
OC48 w/ 24 DS3	$331.96	$13.83	33.3%	$41.50	2.1%	$0.89
OC-48 w/ 48 DS3	$331.96	$6.92	33.3%	$20.75	52.0%	$10.79
					Weighted Fiber Facility Cost	$95.78
					Subtotal Monthly Cost per DS3	**$977.80**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,026.61
ADD:	Advertising	ADSPSW	0.0027194	$2.79	
	Marketing	MKSPSW	0.0116465	$11.96	
	Sales	SASPSW	0.0115756	$11.88	$26.63
				Total Monthly Cost per DS3	**$1,053.24**

High Capacity DS1 Facilities

TAMPA MAIN
TAMPFLXX22H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$62.44	$62.44	90.0%	$69.38	63.7%	$44.22
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$93.47

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$86.34	$1.03	33.3%	$3.08	31.0%	$0.96
OC3 e/w 3 DS3 & 84 DS1 Mux	$86.34	$1.03	33.3%	$3.08	3.9%	$0.12
OC-12 e/w 12 DS3 & 336 DS1	$86.34	$0.26	33.3%	$0.77	1.3%	$0.01
					Weighted Fiber Facility Cost	$1.09
				Subtotal Monthly Cost per DS1		**$94.56**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$143.37
ADD:	Advertising	ADSPSW	0.0027194	$0.39	
	Marketing	MKSPSW	0.0116465	$1.67	
	Sales	SASPSW	0.0115756	$1.66	$3.72
			Total Monthly Cost per DS1		**$147.09**

High Capacity DS3 Facilities

TAMPA MAIN
TAMPFLXX22H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$86.34	$28.78	33.3%	$86.34	18.5%	$15.94
OC-12 w/ 9 DS3	$86.34	$9.59	33.3%	$28.78	0.3%	$0.07
OC-12 w/ 12 DS3	$86.34	$7.20	33.3%	$21.59	27.1%	$5.86
OC48 w/ 24 DS3	$86.34	$3.60	33.3%	$10.79	2.1%	$0.23
OC-48 w/ 48 DS3	$86.34	$1.80	33.3%	$5.40	52.0%	$2.81
				Weighted Fiber Facility Cost		$24.91
				Subtotal Monthly Cost per DS3		**$906.93**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$955.74

ADD:	Advertising	ADSPSW	0.0027194	$2.60	
	Marketing	MKSPSW	0.0116465	$11.13	
	Sales	SASPSW	0.0115756	$11.06	$24.79
				Total Monthly Cost per DS3	**$980.53**

High Capacity DS1 Facilities

TARPON SPRINGS
TRSPFLXA93H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$113.07	$113.07	90.0%	$125.64	63.7%	$80.07
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$129.32

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$290.05	$3.45	33.3%	$10.36	31.0%	$3.21
OC3 e/w 3 DS3 & 84 DS1 Mux	$290.05	$3.45	33.3%	$10.36	3.9%	$0.41
OC-12 e/w 12 DS3 & 336 DS1	$290.05	$0.86	33.3%	$2.59	1.3%	$0.03
					Weighted Fiber Facility Cost	$3.66
					Subtotal Monthly Cost per DS1	**$132.98**

ADD:	Maintenance & Support		DS1PRINAC	$41.44	
	Maintenance & Support		NIDABC	$0.21	
	Billing & Collection		BCBUS x .65	$7.16	$48.81
					$181.79
ADD:	Advertising	ADSPSW	0.0027194	$0.49	
	Marketing	MKSPSW	0.0116465	$2.12	
	Sales	SASPSW	0.0115756	$2.10	$4.72
				Total Monthly Cost per DS1	**$186.51**

High Capacity DS3 Facilities

TARPON SPRINGS
TRSPFLXA93H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$290.05	$96.68	33.3%	$290.05	18.5%	$53.56
OC-12 w/ 9 DS3	$290.05	$32.23	33.3%	$96.68	0.3%	$0.24
OC-12 w/ 12 DS3	$290.05	$24.17	33.3%	$72.51	27.1%	$19.68
OC48 w/ 24 DS3	$290.05	$12.09	33.3%	$36.26	2.1%	$0.77
OC-48 w/ 48 DS3	$290.05	$6.04	33.3%	$18.13	52.0%	$9.43
					Weighted Fiber Facility Cost	$83.69
					Subtotal Monthly Cost per DS3	**$965.71**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,014.52
ADD:	Advertising	ADSPSW	0.0027194	$2.76	
	Marketing	MKSPSW	0.0116465	$11.82	
	Sales	SASPSW	0.0115756	$11.74	$26.32
				Total Monthly Cost per DS3	**$1,040.84**

High Capacity DS1 Facilities

TEMPLE TERRACE
TMTRFLXADS0

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$99.81	$99.81	90.0%	$110.90	63.7%	$70.67
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$119.93

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$189.79	$2.26	33.3%	$6.78	31.0%	$2.10
OC3 e/w 3 DS3 & 84 DS1 Mux	$189.79	$2.26	33.3%	$6.78	3.9%	$0.27
OC-12 e/w 12 DS3 & 336 DS1	$189.79	$0.56	33.3%	$1.69	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.39
				Subtotal Monthly Cost per DS1		**$122.32**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$171.13
ADD:	Advertising	ADSPSW	0.0027194	$0.47	
	Marketing	MKSPSW	0.0116465	$1.99	
	Sales	SASPSW	0.0115756	$1.98	$4.44
				Total Monthly Cost per DS1	**$175.57**

High Capacity DS3 Facilities

TEMPLE TERRACE
TMTRFLXADS0

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$189.79	$63.26	33.3%	$189.79	18.5%	$35.05
OC-12 w/ 9 DS3	$189.79	$21.09	33.3%	$63.26	0.3%	$0.16
OC-12 w/ 12 DS3	$189.79	$15.82	33.3%	$47.45	27.1%	$12.88
OC48 w/ 24 DS3	$189.79	$7.91	33.3%	$23.72	2.1%	$0.51
OC-48 w/ 48 DS3	$189.79	$3.95	33.3%	$11.86	52.0%	$6.17
					Weighted Fiber Facility Cost	$54.76
					Subtotal Monthly Cost per DS3	**$936.78**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$985.59
ADD:	Advertising	ADSPSW	0.0027194	$2.68	
	Marketing	MKSPSW	0.0116465	$11.48	
	Sales	SASPSW	0.0115756	$11.41	$25.57
				Total Monthly Cost per DS3	**$1,011.16**

High Capacity DS1 Facilities

THONOTOSASSA
THNTFLXADS0

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$200.22	$200.22	90.0%	$222.47	63.7%	$141.78
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$191.04

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$424.34	$5.05	33.3%	$15.16	31.0%	$4.70
OC3 e/w 3 DS3 & 84 DS1 Mux	$424.34	$5.05	33.3%	$15.16	3.9%	$0.60
OC-12 e/w 12 DS3 & 336 DS1	$424.34	$1.26	33.3%	$3.79	1.3%	$0.05
					Weighted Fiber Facility Cost	$5.35
					Subtotal Monthly Cost per DS1	**$196.39**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$245.20
ADD:	Advertising	ADSPSW	0.0027194	$0.67	
	Marketing	MKSPSW	0.0116465	$2.86	
	Sales	SASPSW	0.0115756	$2.84	$6.36
				Total Monthly Cost per DS1	**$251.56**

High Capacity DS3 Facilities

THONOTOSASSA
THNTFLXADS0

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$424.34	$141.45	33.3%	$424.34	18.5%	$78.36
OC-12 w/ 9 DS3	$424.34	$47.15	33.3%	$141.45	0.3%	$0.36
OC-12 w/ 12 DS3	$424.34	$35.36	33.3%	$106.09	27.1%	$28.79
OC48 w/ 24 DS3	$424.34	$17.68	33.3%	$53.04	2.1%	$1.13
OC-48 w/ 48 DS3	$424.34	$8.84	33.3%	$26.52	52.0%	$13.79
					Weighted Fiber Facility Cost	$122.43
					Subtotal Monthly Cost per DS3	**$1,004.45**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,053.26
ADD:	Advertising	ADSPSW	0.0027194	$2.86	
	Marketing	MKSPSW	0.0116465	$12.27	
	Sales	SASPSW	0.0115756	$12.19	$27.32
				Total Monthly Cost per DS3	**$1,080.59**

High Capacity DS1 Facilities

UNIVERSITY
UNVRFLXA97H

CIRCUIT EQUIPMENT COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$90.44	$90.44	90.0%	$100.49	63.7%	$64.04
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$113.29

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$188.85	$2.25	33.3%	$6.74	31.0%	$2.09
OC3 e/w 3 DS3 & 84 DS1 Mux	$188.85	$2.25	33.3%	$6.74	3.9%	$0.27
OC-12 e/w 12 DS3 & 336 DS1	$188.85	$0.56	33.3%	$1.69	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.38
				Subtotal Monthly Cost per DS1		**$115.68**

ADD: Maintenance & Support		DS1PRINAC	$41.44		
Maintenance & Support		NIDABC	$0.21		
Billing & Collection		BCBUS x .65	$7.16		$48.81
					$164.48
ADD: Advertising	ADSPSW	0.0027194	$0.45		
Marketing	MKSPSW	0.0116465	$1.92		
Sales	SASPSW	0.0115756	$1.90		$4.27
				Total Monthly Cost per DS1	**$168.75**

High Capacity DS3 Facilities

UNIVERSITY
UNVRFLXA97H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$188.85	$62.95	33.3%	$188.85	18.5%	$34.88
OC-12 w/ 9 DS3	$188.85	$20.98	33.3%	$62.95	0.3%	$0.16
OC-12 w/ 12 DS3	$188.85	$15.74	33.3%	$47.21	27.1%	$12.81
OC48 w/ 24 DS3	$188.85	$7.87	33.3%	$23.61	2.1%	$0.50
OC-48 w/ 48 DS3	$188.85	$3.93	33.3%	$11.80	52.0%	$6.14
					Weighted Fiber Facility Cost	$54.49
				Subtotal Monthly Cost per DS3		**$936.51**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$985.32

ADD:	Advertising	ADSPSW	0.0027194	$2.68	
	Marketing	MKSPSW	0.0116465	$11.48	
	Sales	SASPSW	0.0115756	$11.41	$25.56

Total Monthly Cost per DS3 **$1,010.88**

High Capacity DS1 Facilities

VENICE MAIN
VENCFLXA48H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$104.34	$104.34	90.0%	$115.93	63.7%	$73.88
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$123.14

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$214.32	$2.55	33.3%	$7.65	31.0%	$2.38
OC3 e/w 3 DS3 & 84 DS1 Mux	$214.32	$2.55	33.3%	$7.65	3.9%	$0.30
OC-12 e/w 12 DS3 & 336 DS1	$214.32	$0.64	33.3%	$1.91	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.70
				Subtotal Monthly Cost per DS1		**$125.84**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$174.65
ADD:	Advertising	ADSPSW	0.0027194	$0.47	
	Marketing	MKSPSW	0.0116465	$2.03	
	Sales	SASPSW	0.0115756	$2.02	$4.53
				Total Monthly Cost per DS1	**$179.18**

High Capacity DS3 Facilities

VENICE MAIN
VENCFLXA48H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,878.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$214.32	$71.44	33.3%	$214.32	18.5%	$39.58
OC-12 w/ 9 DS3	$214.32	$23.81	33.3%	$71.44	0.3%	$0.18
OC-12 w/ 12 DS3	$214.32	$17.86	33.3%	$53.58	27.1%	$14.54
OC48 w/ 24 DS3	$214.32	$8.93	33.3%	$26.79	2.1%	$0.57
OC-48 w/ 48 DS3	$214.32	$4.47	33.3%	$13.40	52.0%	$6.97
					Weighted Fiber Facility Cost	$61.84
				Subtotal Monthly Cost per DS3		**$943.86**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$992.67
ADD:	Advertising	ADSPSW	0.0027194	$2.70	
	Marketing	MKSPSW	0.0116465	$11.56	
	Sales	SASPSW	0.0115756	$11.49	$25.75
			Total Monthly Cost per DS3		**$1,018.42**

High Capacity DS1 Facilities

VENICE SOUTH
VENCFLXSDS0

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$127.23	$127.23	90.0%	$141.37	63.7%	$90.10
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$139.35

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$310.01	$3.69	33.3%	$11.07	31.0%	$3.44
OC3 e/w 3 DS3 & 84 DS1 Mux	$310.01	$3.69	33.3%	$11.07	3.9%	$0.44
OC-12 e/w 12 DS3 & 336 DS1	$310.01	$0.92	33.3%	$2.77	1.3%	$0.04
				Weighted Fiber Facility Cost		$3.91
				Subtotal Monthly Cost per DS1		**$143.26**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$192.07
ADD:	Advertising	ADSPSW	0.0027194	$0.52	
	Marketing	MKSPSW	0.0116465	$2.24	
	Sales	SASPSW	0.0115756	$2.22	$4.98
				Total Monthly Cost per DS1	**$197.05**

High Capacity DS3 Facilities

VENICE SOUTH
VENCFLXSDS0

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$310.01	$103.34	33.3%	$310.01	18.5%	$57.25
OC-12 w/ 9 DS3	$310.01	$34.45	33.3%	$103.34	0.3%	$0.26
OC-12 w/ 12 DS3	$310.01	$25.83	33.3%	$77.50	27.1%	$21.03
OC48 w/ 24 DS3	$310.01	$12.92	33.3%	$38.75	2.1%	$0.83
OC-48 w/ 48 DS3	$310.01	$6.46	33.3%	$19.38	52.0%	$10.08
					Weighted Fiber Facility Cost	$89.45
					Subtotal Monthly Cost per DS3	**$971.47**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,020.28
ADD:	Advertising	ADSPSW	0.0027194	$2.77	
	Marketing	MKSPSW	0.0116465	$11.88	
	Sales	SASPSW	0.0115756	$11.81	$26.47
				Total Monthly Cost per DS3	**$1,046.74**

High Capacity DS1 Facilities

WALLCRAFT
WLCRFLXA83H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$115.46	$115.46	90.0%	$128.29	63.7%	$81.76
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$131.01

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$259.10	$3.08	33.3%	$9.25	31.0%	$2.87
OC3 e/w 3 DS3 & 84 DS1 Mux	$259.10	$3.08	33.3%	$9.25	3.9%	$0.36
OC-12 e/w 12 DS3 & 336 DS1	$259.10	$0.77	33.3%	$2.31	1.3%	$0.03
				Weighted Fiber Facility Cost		$3.27
				Subtotal Monthly Cost per DS1		**$134.28**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$183.09
ADD:	Advertising	ADSPSW	0.0027194	$0.50	
	Marketing	MKSPSW	0.0116465	$2.13	
	Sales	SASPSW	0.0115756	$2.12	$4.75
				Total Monthly Cost per DS1	**$187.84**

High Capacity DS3 Facilities

WALLCRAFT
WLCRFLXA83H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$259.10	$86.37	33.3%	$259.10	18.5%	$47.85
OC-12 w/ 9 DS3	$259.10	$28.79	33.3%	$86.37	0.3%	$0.22
OC-12 w/ 12 DS3	$259.10	$21.59	33.3%	$64.78	27.1%	$17.58
OC48 w/ 24 DS3	$259.10	$10.80	33.3%	$32.39	2.1%	$0.69
OC-48 w/ 48 DS3	$259.10	$5.40	33.3%	$16.19	52.0%	$8.42
					Weighted Fiber Facility Cost	$74.76
					Subtotal Monthly Cost per DS3	**$956.78**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,005.59
ADD:	Advertising	ADSPSW	0.0027194	$2.73	
	Marketing	MKSPSW	0.0116465	$11.71	
	Sales	SASPSW	0.0115756	$11.64	$26.09
				Total Monthly Cost per DS3	**$1,031.67**

High Capacity DS1 Facilities

WESLEY CHAPEL
WLCHFLXA97H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$155.72	$155.72	90.0%	$173.02	63.7%	$110.27
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$159.52

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$430.79	$5.13	33.3%	$15.39	31.0%	$4.77
OC3 e/w 3 DS3 & 84 DS1 Mux	$430.79	$5.13	33.3%	$15.39	3.9%	$0.61
OC-12 e/w 12 DS3 & 336 DS1	$430.79	$1.28	33.3%	$3.85	1.3%	$0.05
					Weighted Fiber Facility Cost	$5.43
				Subtotal Monthly Cost per DS1		**$164.95**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$213.76
ADD:	Advertising	ADSPSW	0.0027194	$0.58	
	Marketing	MKSPSW	0.0116465	$2.49	
	Sales	SASPSW	0.0115756	$2.47	$5.55
				Total Monthly Cost per DS1	**$219.31**

High Capacity DS3 Facilities

WESLEY CHAPEL
WLCHFLXA97H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$430.79	$143.60	33.3%	$430.79	18.5%	$79.56
OC-12 w/ 9 DS3	$430.79	$47.87	33.3%	$143.60	0.3%	$0.36
OC-12 w/ 12 DS3	$430.79	$35.90	33.3%	$107.70	27.1%	$29.22
OC48 w/ 24 DS3	$430.79	$17.95	33.3%	$53.85	2.1%	$1.15
OC-48 w/ 48 DS3	$430.79	$8.97	33.3%	$26.92	52.0%	$14.00
					Weighted Fiber Facility Cost	$124.29
					Subtotal Monthly Cost per DS3	**$1,006.32**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,055.12
ADD:	Advertising	ADSPSW	0.0027194	$2.87	
	Marketing	MKSPSW	0.0116465	$12.29	
	Sales	SASPSW	0.0115756	$12.21	$27.37
				Total Monthly Cost per DS3	**$1,082.50**

High Capacity DS1 Facilities

WESTSIDE
WSSDFLXA87H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$93.02	$93.02	90.0%	$103.36	63.7%	$65.87
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$115.12

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$212.26	$2.53	33.3%	$7.58	31.0%	$2.35
OC3 e/w 3 DS3 & 84 DS1 Mux	$212.26	$2.53	33.3%	$7.58	3.9%	$0.30
OC-12 e/w 12 DS3 & 336 DS1	$212.26	$0.63	33.3%	$1.90	1.3%	$0.02
				Weighted Fiber Facility Cost		$2.68
				Subtotal Monthly Cost per DS1		**$117.80**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$166.61
ADD:	Advertising	ADSPSW	0.0027194	$0.45	
	Marketing	MKSPSW	0.0116465	$1.94	
	Sales	SASPSW	0.0115756	$1.93	$4.32
				Total Monthly Cost per DS1	**$170.93**

High Capacity DS3 Facilities

WESTSIDE
WSSDFLXA87H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$212.26	$70.75	33.3%	$212.26	18.5%	$39.20
OC-12 w/ 9 DS3	$212.26	$23.58	33.3%	$70.75	0.3%	$0.18
OC-12 w/ 12 DS3	$212.26	$17.69	33.3%	$53.07	27.1%	$14.40
OC48 w/ 24 DS3	$212.26	$8.84	33.3%	$26.53	2.1%	$0.57
OC-48 w/ 48 DS3	$212.26	$4.42	33.3%	$13.27	52.0%	$6.90
					Weighted Fiber Facility Cost	$61.24
				Subtotal Monthly Cost per DS3		**$943.26**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$992.07

ADD:	Advertising	ADSPSW	0.0027194	$2.70	
	Marketing	MKSPSW	0.0116465	$11.55	
	Sales	SASPSW	0.0115756	$11.48	$25.74
				Total Monthly Cost per DS3	**$1,017.81**

High Capacity DS1 Facilities

WIMAUMA
WIMMFLXA63H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$264.15	$264.15	90.0%	$293.49	63.7%	$187.05
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
					Weighted Circuit Equipment Costs	$236.30

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$368.81	$4.39	33.3%	$13.17	31.0%	$4.09
OC3 e/w 3 DS3 & 84 DS1 Mux	$368.81	$4.39	33.3%	$13.17	3.9%	$0.52
OC-12 e/w 12 DS3 & 336 DS1	$368.81	$1.10	33.3%	$3.29	1.3%	$0.04
					Weighted Fiber Facility Cost	$4.65
					Subtotal Monthly Cost per DS1	**$240.95**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$289.76
ADD:	Advertising	ADSPSW	0.0027194	$0.79	
	Marketing	MKSPSW	0.0116465	$3.37	
	Sales	SASPSW	0.0115756	$3.35	$7.52
				Total Monthly Cost per DS1	**$297.28**

High Capacity DS3 Facilities

WIMAUMA
WIMMFLXA63H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$368.81	$122.94	33.3%	$368.81	18.5%	$68.11
OC-12 w/ 9 DS3	$368.81	$40.98	33.3%	$122.94	0.3%	$0.31
OC-12 w/ 12 DS3	$368.81	$30.73	33.3%	$92.20	27.1%	$25.02
OC48 w/ 24 DS3	$368.81	$15.37	33.3%	$46.10	2.1%	$0.98
OC-48 w/ 48 DS3	$368.81	$7.68	33.3%	$23.05	52.0%	$11.99
					Weighted Fiber Facility Cost	$106.41
					Subtotal Monthly Cost per DS3	**$988.43**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$1,037.24
ADD:	Advertising	ADSPSW	0.0027194	$2.82	
	Marketing	MKSPSW	0.0116465	$12.08	
	Sales	SASPSW	0.0115756	$12.01	$26.91
				Total Monthly Cost per DS3	**$1,064.15**

High Capacity DS1 Facilities

WINTER HAVEN
WNHNFLXC29H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$104.94	$104.94	90.0%	$116.60	63.7%	$74.31
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$123.56

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$229.93	$2.74	33.3%	$8.21	31.0%	$2.55
OC3 e/w 3 DS3 & 84 DS1 Mux	$229.93	$2.74	33.3%	$8.21	3.9%	$0.32
OC-12 e/w 12 DS3 & 336 DS1	$229.93	$0.68	33.3%	$2.05	1.3%	$0.03
				Weighted Fiber Facility Cost		$2.90
				Subtotal Monthly Cost per DS1		**$126.46**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$175.27

ADD:	Advertising	ADSPSW	0.0027194	$0.48	
	Marketing	MKSPSW	0.0116465	$2.04	
	Sales	SASPSW	0.0115756	$2.03	$4.55
				Total Monthly Cost per DS1	**$179.82**

High Capacity DS3 Facilities

WINTER HAVEN
WNHNFLXC29H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration -	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$229.93	$76.64	33.3%	$229.93	18.5%	$42.46
OC-12 w/ 9 DS3	$229.93	$25.55	33.3%	$76.64	0.3%	$0.19
OC-12 w/ 12 DS3	$229.93	$19.16	33.3%	$57.48	27.1%	$15.60
OC48 w/ 24 DS3	$229.93	$9.58	33.3%	$28.74	2.1%	$0.61
OC-48 w/ 48 DS3	$229.93	$4.79	33.3%	$14.37	52.0%	$7.47
					Weighted Fiber Facility Cost	$66.34
					Subtotal Monthly Cost per DS3	**$948.36**

ADD:	Maintenance & Support	DS3NAC		$41.44	
	Maintenance & Support	NIDABC		$0.21	
	Billing & Collection	BCBUS x .65		$7.16	$48.81
					$997.17
ADD:	Advertising	ADSPSW	0.0027194	$2.71	
	Marketing	MKSPSW	0.0116465	$11.61	
	Sales	SASPSW	0.0115756	$11.54	$25.87
				Total Monthly Cost per DS3	**$1,023.04**

High Capacity DS1 Facilities

YBOR CITY
YBCTFLXA24H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$126.13	$126.13	90.0%	$140.14	63.7%	$89.31
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,966.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$138.57

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$234.84	$2.80	33.3%	$8.39	31.0%	$2.60
OC3 e/w 3 DS3 & 84 DS1 Mux	$234.84	$2.80	33.3%	$8.39	3.9%	$0.33
OC-12 e/w 12 DS3 & 336 DS1	$234.84	$0.70	33.3%	$2.10	1.3%	$0.03
				Weighted Fiber Facility Cost		$2.96
				Subtotal Monthly Cost per DS1		**$141.53**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$190.34

ADD:	Advertising	ADSPSW	0.0027194	$0.52	
	Marketing	MKSPSW	0.0116465	$2.22	
	Sales	SASPSW	0.0115756	$2.20	$4.94
				Total Monthly Cost per DS1	**$195.27**

High Capacity DS3 Facilities

YBOR CITY
YBCTFLXA24H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.39	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.56	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
		Weighted Circuit Equipment Costs - Electrical Interface				$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$234.84	$78.28	33.3%	$234.84	18.5%	$43.37
OC-12 w/ 9 DS3	$234.84	$26.09	33.3%	$78.28	0.3%	$0.20
OC-12 w/ 12 DS3	$234.84	$19.57	33.3%	$58.71	27.1%	$15.93
OC48 w/ 24 DS3	$234.84	$9.79	33.3%	$29.36	2.1%	$0.63
OC-48 w/ 48 DS3	$234.84	$4.89	33.3%	$14.68	52.0%	$7.63
				Weighted Fiber Facility Cost		$67.76
				Subtotal Monthly Cost per DS3		**$949.78**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$998.59
ADD:	Advertising	ADSPSW	0.0027194	$2.72	
	Marketing	MKSPSW	0.0116465	$11.63	
	Sales	SASPSW	0.0115756	$11.56	$25.90
				Total Monthly Cost per DS3	**$1,024.49**

High Capacity DS1 Facilities

ZEPHYRHILLS
ZPHYFLXA78H

CIRCUIT EQUIPMENT COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
DS1 via Metallic Facility	$134.27	$134.27	90.0%	$149.19	63.7%	$95.08
OC3 e/w 84 DS1s	$1,886.45	$22.46	34.5%	$65.15	31.0%	$20.22
OC3 e/w 3 DS3 & 84 DS1 Mux	$2,442.25	$29.07	6.5%	$447.30	3.9%	$17.64
OC-12 e/w 12 DS3 & 336 DS1	$7,066.69	$21.03	2.4%	$883.69	1.3%	$11.39
				Weighted Circuit Equipment Costs		$144.33

FIBER FACILITY COST

Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS1	(E) Weighting Factor	(F) Weighted Cost
OC3 e/w 84 DS1s	$322.86	$3.84	33.3%	$11.53	31.0%	$3.58
OC3 e/w 3 DS3 & 84 DS1 Mux	$322.86	$3.84	33.3%	$11.53	3.9%	$0.45
OC-12 e/w 12 DS3 & 336 DS1	$322.86	$0.96	33.3%	$2.88	1.3%	$0.04
				Weighted Fiber Facility Cost		$4.07
				Subtotal Monthly Cost per DS1		**$148.40**

ADD:	Maintenance & Support	DS1PRINAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$197.21

ADD:	Advertising	ADSPSW	0.0027194	$0.54	
	Marketing	MKSPSW	0.0116465	$2.30	
	Sales	SASPSW	0.0115756	$2.28	$5.12
				Total Monthly Cost per DS1	**$202.33**

High Capacity DS3 Facilities

ZEPHYRHILLS
ZPHYFLXA78H

CIRCUIT EQUIPMENT COST - Electrical In Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$1,281.96	$427.32	60.9%	$702.02	18.5%	$129.64
OC-12 w/ 9 DS3	$2,270.09	$252.27	22.2%	$1,135.31	0.3%	$2.85
OC-12 w/ 12 DS3	$2,425.66	$202.13	36.5%	$554.39	27.1%	$150.44
OC48 w/ 24 DS3	$5,666.62	$236.11	2.1%	$11,033.14	2.1%	$235.63
OC-48 w/ 48 DS3	$7,818.91	$162.89	23.3%	$698.82	52.0%	$363.45
				Weighted Circuit Equipment Costs - Electrical Interface		$882.02

FIBER FACILITY COST Equipment Configuration	(A) Monthly Cost	(B) Monthly Cost	(C) Fill Factor	(D) Fill Cost per DS3	(E) Weighting Factor	(F) Weighted Cost
OC-3 w/ 3 DS3	$322.86	$107.62	33.3%	$322.86	18.5%	$59.62
OC-12 w/ 9 DS3	$322.86	$35.87	33.3%	$107.62	0.3%	$0.27
OC-12 w/ 12 DS3	$322.86	$26.91	33.3%	$80.72	27.1%	$21.90
OC48 w/ 24 DS3	$322.86	$13.45	33.3%	$40.36	2.1%	$0.86
OC-48 w/ 48 DS3	$322.86	$6.73	33.3%	$20.18	52.0%	$10.49
					Weighted Fiber Facility Cost	$93.15
					Subtotal Monthly Cost per DS3	**$975.17**

ADD:	Maintenance & Support	DS3NAC	$41.44		
	Maintenance & Support	NIDABC	$0.21		
	Billing & Collection	BCBUS x .65	$7.16		$48.81
					$1,023.98
ADD:	Advertising	ADSPSW	0.0027194	$2.78	
	Marketing	MKSPSW	0.0116465	$11.93	
	Sales	SASPSW	0.0115756	$11.85	$26.56
				Total Monthly Cost per DS3	**$1,050.55**

Facility	Originating Facility	Number Facilities	Percent	Configuration
DS1 Signal				
DS1	DS1	**10680**	64%	DS1 on Metallic Facility
DS1	DS3	**5201**	31%	OC3 w/ DS1 terminations
DS1	DS3_3	**661**	4%	OC3 w/3 DS3 mux 84 DS1s
DS1	DS3_12	**216**	1%	OC12 w/12 DS3 mux 336 DS1s
	TOTAL	16758	100%	

Facility	Originating Facility	Number Facilities	Percent	Configuration
DS3 Signal				
DS3	DS3	**13**		OC3 w/ DS3 terminations
DS3	DS3_3	**134**		OC3 w/ DS3 terminations
	SUBTOTAL	147	18%	
DS3	DS3_9	**2**	0%	OC12 w/9 DS3 terminations
DS3	DS3_12	**216**	27%	OC12 w/12 DS3 terminations
DS3	DS3_24	**17**	2%	OC48 w/24 DS3 terminations
DS3	DS3_48	**414**	52%	OC48 w/48 DS3 terminations
	TOTAL	796	100%	

System Size	Rate	Average Fill	Application
DS1	DS1	**90%**	Metallic facility systems
OC3	DS1	**34%**	Applies to fiber systems w/ DS1 terms
DS3_3	DS1	**7%**	Applies to fiber systems w/ DS1 terms
DS3_12	DS1	**2%**	Applies to fiber systems w/ DS1 terms
DS3_3	DS3	**61%**	Applies to OC3 w/ 3 DS3s
DS3_9	DS3	**22%**	Applies to OC12 w/9 DS3s
DS3_12	DS3	**36%**	Applies to OC12 w/12 DS3s
DS3_24	DS3	**2%**	Applies to OC48 w/24 DS3s
DS3_48	DS3	**23%**	Applies to OC48 w/48 DS3s

Since HDSLT1 s a single circuit capacity system, a 90% fill factor is estimated to account for unassigned but equipped C O modems or office repeaters.

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA
BNF:
DESCRIPTION: OC3 w/84 DS1 - Electrical

VS + VS

	INVESTMENT / COST FACTORS		Digital Ckt Eqpt 2232.21	Lightwave Ckt Eqpt 2232.23
1				
2	INVESTMENT LOADINGS			
3				
4	MATERIAL LOADINGS			
5	INVESTMENT FACTOR			
6				
7	ANNUAL EXPENSE FACTORS			
8				
9	CAPITAL RECOVERY			
10	COMPOSITE INCOME TAX			
11	MAINTENANCE & SUPPORT	WHOLESALE		
12	PROPERTY TAX			
13	SALES, ADV, MKTG	0		

	CALCULATION OF MONTHLY COST		TOTAL	2232.21	2232.23
14					
15	INVESTMENT				
16					
17	EQUIPMENT INVESTMENT		$55,453.88		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	$9,762.30		
19	ENGINEERING & INSTALLATION		$9,374.24		
20	SOFTWARE		$0.00		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	$0.00		
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)	$74,590.42		
23					
24	ANNUAL OPERATING EXPENSES				
25					
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	$15,404.15		
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	$2,242.17		
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	$4,145.71		
29	PROPERTY TAX	(Ln 12 * Ln 22)	$845.41		
30	MAINTENANCE COST FIXED & VARIABLE		$0.00		
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)	$22,637.44		
32					
33	**COST PER MONTH**	(Ln 31 / 12)	**$1,886.45**		
34					
35					
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	$0.00		
37					
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	**$1,886.45**		
39					

) REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

System Size: OC3 w/84 DS1 - Electrical

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
DSX-1 XCONNECT	2232.21					
OC3 w/84 DS1 - Electrical	2232.23					
OC3 w/84 DS1 - Electrical	2232.23					
DSX-1 XCONNECT	2232.21					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA VS + VIS
BNF:
DESCRIPTION: OC3 w/ 3 DS3 Mux 84 DS1 - Electrical

	INVESTMENT / COST FACTORS		Digital Ckt Eqpt 2232.21	Lightwave Ckt Eqpt 2232.23
1				
2	INVESTMENT LOADINGS			
3				
4	MATERIAL LOADINGS			
5	INVESTMENT FACTOR			
6				
7	ANNUAL EXPENSE FACTORS			
8				
9	CAPITAL RECOVERY			
10	COMPOSITE INCOME TAX			
11	MAINTENANCE & SUPPORT	WHOLESALE		
12	PROPERTY TAX			
13	SALES, ADV, MKTG	0		

	CALCULATION OF MONTHLY COST		TOTAL	2232.21	2232.23
14					
15	INVESTMENT				
16					
17	EQUIPMENT INVESTMENT				
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)			
19	ENGINEERING & INSTALLATION				
20	SOFTWARE				
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)			
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)			
23					
24	ANNUAL OPERATING EXPENSES				
25					
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)			
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)			
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)			
29	PROPERTY TAX	(Ln 12 * Ln 22)			
30	MAINTENANCE COST FIXED & VARIABLE				
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)			
32					
33	**COST PER MONTH**	(Ln 31 / 12)			
34					
35					
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)			
37					
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)			
39					

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

System Size: OC3 w/ 3 DS3 Mux 84 DS1 - Electrical

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
DSX-3 XCONNECT	2232.21					
DSX-1 XCONNECT	2232.21					
M1-3 MULTIPLEXER	2232.21					
OC3 w/ 3 DS3 Mux 84 DS1 - Electrical	2232.23					

OC3 w/ 3 DS3 Mux 84 DS1 - Electrical	2232.23	**REDACTED**
M1-3 MULTIPLEXER	2232.21	
DSX-1 XCONNECT	2232.21	
DSX-3 XCONNECT	2232.21	

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA VS + VIS
BNF:
DESCRIPTION: OC12 w/ 12 DS3 Mux 336 DS1 - Electrical

	INVESTMENT / COST FACTORS		Digital Ckt Eqpt 2232.21	Lightwave Ckt Eqpt 2232.23
1				
2	INVESTMENT LOADINGS			
3				
4	MATERIAL LOADINGS			
5	INVESTMENT FACTOR			
6				
7	ANNUAL EXPENSE FACTORS			
8				
9	CAPITAL RECOVERY			
10	COMPOSITE INCOME TAX			
11	MAINTENANCE & SUPPORT	WHOLESALE		
12	PROPERTY TAX			
13	SALES, ADV, MKTG			

	CALCULATION OF MONTHLY COST		TOTAL	2232.21	2232.23
14					
15	INVESTMENT				
16					
17	EQUIPMENT INVESTMENT				
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)			
19	ENGINEERING & INSTALLATION				
20	SOFTWARE				
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)			
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)			
23					
24	ANNUAL OPERATING EXPENSES				
25					
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)			
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)			
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)			
29	PROPERTY TAX	(Ln 12 * Ln 22)			
30	MAINTENANCE COST FIXED & VARIABLE				
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)			
32					
33	**COST PER MONTH**	(Ln 31 / 12)			
34					
35					
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)			
37					
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)			
39					

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

System Size: OC12 w/ 12 DS3 Mux 336 DS1 - Electrical

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
DSX-3 XCONNECT	2232.21					
DSX-1 XCONNECT	2232.21					
M1-3 MULTIPLEXER	2232.21					
OC12 w/ 12 DS3 Mux 336 DS1 - Electrical	2232.23					
OC12 w/ 12 DS3 Mux 336 DS1 - Electrical	2232.23					
M1-3 MULTIPLEXER	2232.21					
DSX-1 XCONNECT	2232.21					
DSX-3 XCONNECT	2232.21					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA VS + VIS
BNF:
DESCRIPTION: OC3 w/3 DS3 - Electrical

	INVESTMENT / COST FACTORS		Digital Ckt Eqpt 2232.21	Lightwave Ckt Eqpt 2232.23
1				
2	INVESTMENT LOADINGS			
3				
4	MATERIAL LOADINGS			
5	INVESTMENT FACTOR			
6				
7	ANNUAL EXPENSE FACTORS			
8				
9	CAPITAL RECOVERY			
10	COMPOSITE INCOME TAX			
11	MAINTENANCE & SUPPORT	WHOLESALE		
12	PROPERTY TAX			
13	SALES, ADV, MKTG			

	CALCULATION OF MONTHLY COST		TOTAL	2232.21	2232.23
14					
15	INVESTMENT				
16					
17	EQUIPMENT INVESTMENT				
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)			
19	ENGINEERING & INSTALLATION				
20	SOFTWARE				
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)			
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)			
23					
24	ANNUAL OPERATING EXPENSES				
25					
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)			
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)			
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)			
29	PROPERTY TAX	(Ln 12 * Ln 22)			
30	MAINTENANCE COST FIXED & VARIABLE				
31	TOTAL ANNUAL COST	(Sum Ln 26 Ln 29)			
32					
33	**COST PER MONTH**	(Ln 31 / 12)			
34					
35					
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)			
37					
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)			
39					

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

System Size: OC3 w/3 DS3 - Electrical

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
DSX-3 XCONNECT	2232.21					
OC3 w/3 DS3 - Electrical	2232.23					
OC3 w/3 DS3 - Electrical	2232.23					
DSX-3 XCONNECT	2232.21					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA VS + VIS
BNF:
DESCRIPTION: OC12 w/9 DS3 - Electrical

	INVESTMENT / COST FACTORS		Digital Ckt Eqpt 2232.21	Lightwave Ckt Eqpt 2232.23
1				
2	INVESTMENT LOADINGS			
3				
4	MATERIAL LOADINGS			
5	INVESTMENT FACTOR			
6				
7	ANNUAL EXPENSE FACTORS			
8				
9	CAPITAL RECOVERY			
10	COMPOSITE INCOME TAX			
11	MAINTENANCE & SUPPORT	WHOLESALE		
12	PROPERTY TAX			
13	SALES, ADV, MKTG			

	CALCULATION OF MONTHLY COST		TOTAL	2232.21	2232.23
14					
15	INVESTMENT				
16					
17	EQUIPMENT INVESTMENT				
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)			
19	ENGINEERING & INSTALLATION				
20	SOFTWARE				
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)			
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)			
23					
24	ANNUAL OPERATING EXPENSES				
25					
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)			
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)			
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)			
29	PROPERTY TAX	(Ln 12 * Ln 22)			
30	MAINTENANCE COST FIXED & VARIABLE				
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)			
32					
33	**COST PER MONTH**	(Ln 31 / 12)			
34					
35					
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)			
37					
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)			
39					

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

System Size: OC12 w/9 DS3 - Electrical

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
DSX-3 XCONNECT	2232.21					
OC12 w/9 DS3 - Electrical	2232.23					
OC12 w/9 DS3 - Electrical	2232.23					
DSX-3 XCONNECT	2232.21					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA VS + VIS
BNF:
DESCRIPTION: OC12 w/12 DS3 - Electrical

	INVESTMENT / COST FACTORS		Digital Ckt Eqpt 2232.21	Lightwave Ckt Eqpt 2232.23
1				
2	INVESTMENT LOADINGS			
3				
4	MATERIAL LOADINGS			
5	INVESTMENT FACTOR			
6				
7	ANNUAL EXPENSE FACTORS			
8				
9	CAPITAL RECOVERY			
10	COMPOSITE INCOME TAX			
11	MAINTENANCE & SUPPORT	WHOLESALE		
12	PROPERTY TAX			
13	SALES, ADV, MKTG			

	CALCULATION OF MONTHLY COST		TOTAL	2232.21	2232.23
14					
15	INVESTMENT				
16					
17	EQUIPMENT INVESTMENT				
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)			
19	ENGINEERING & INSTALLATION				
20	SOFTWARE				
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)			
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)			
23					
24	ANNUAL OPERATING EXPENSES				
25					
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)			
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)			
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)			
29	PROPERTY TAX	(Ln 12 * Ln 22)			
30	MAINTENANCE COST FIXED & VARIABLE				
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)			
32					
33	**COST PER MONTH**	(Ln 31 / 12)			
34					
35					
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)			
37					
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)			
39					

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

System Size: OC12 w/12 DS3 - Electrical

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
DSX-3 XCONNECT	2232.21					
OC12 w/12 DS3 - Electrical	2232.23					
OC12 w/12 DS3 - Electrical	2232.23					
DSX-3 XCONNECT	2232.21					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA
BNF:
DESCRIPTION: OC48 w/24 DS3 - Electrical

VS + VIS

	INVESTMENT / COST FACTORS		Digital Ckt Eqpt 2232.21	Lightwave Ckt Eqpt 2232.23
1				
2	INVESTMENT LOADINGS			
3				
4	MATERIAL LOADINGS			
5	INVESTMENT FACTOR			
6				
7	ANNUAL EXPENSE FACTORS			
8				
9	CAPITAL RECOVERY			
10	COMPOSITE INCOME TAX			
11	MAINTENANCE & SUPPORT	WHOLESALE		
12	PROPERTY TAX			
13	SALES, ADV, MKTG			

	CALCULATION OF MONTHLY COST		TOTAL	2232.21	2232.23
14					
15	INVESTMENT				
16					
17	EQUIPMENT INVESTMENT				
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)			
19	ENGINEERING & INSTALLATION				
20	SOFTWARE				
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)			
22	TOTAL INVESTMENT	(Sum Ln 17 :Ln 21)			
23					
24	ANNUAL OPERATING EXPENSES				
25					
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)			
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)			
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)			
29	PROPERTY TAX	(Ln 12 * Ln 22)			
30	MAINTENANCE COST FIXED & VARIABLE				
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)			
32					
33	**COST PER MONTH**	(Ln 31 / 12)			
34					
35					
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)			
37					
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)			
39					

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

System Size: OC48 w/24 DS3 - Electrical

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
DSX-3 XCONNECT	2232.21					
OC48 w/24 DS3 - Electrical	2232.23					
OC48 w/24 DS3 - Electrical	2232.23					
DSX-3 XCONNECT	2232.21					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA VS + VIS
BNF:
DESCRIPTION: OC48 w/48 DS3 - Electrical

	INVESTMENT / COST FACTORS		Digital Ckt Eqpt 2232.21	Lightwave Ckt Eqpt 2232.23
1				
2	INVESTMENT LOADINGS			
3				
4	MATERIAL LOADINGS			
5	INVESTMENT FACTOR			
6				
7	ANNUAL EXPENSE FACTORS			
8				
9	CAPITAL RECOVERY			
10	COMPOSITE INCOME TAX			
11	MAINTENANCE & SUPPORT	WHOLESALE		
12	PROPERTY TAX			
13	SALES, ADV, MKTG			

	CALCULATION OF MONTHLY COST		TOTAL	2232.21	2232.23
14					
15	INVESTMENT				
16					
17	EQUIPMENT INVESTMENT				
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)			
19	ENGINEERING & INSTALLATION				
20	SOFTWARE				
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)			
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)			
23					
24	ANNUAL OPERATING EXPENSES				
25					
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)			
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)			
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)			
29	PROPERTY TAX	(Ln 12 * Ln 22)			
30	MAINTENANCE COST FIXED & VARIABLE				
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)			
32					
33	**COST PER MONTH**	(Ln 31 / 12)			
34					
35					
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)			
37					
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)			
39					

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

System Size: OC48 w/48 DS3 - Electrical

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
DSX-3 XCONNECT	2232.21					
OC48 w/48 DS3 - Electrical	2232.23					
OC48 w/48 DS3 - Electrical	2232.23					
DSX-3 XCONNECT	2232.21					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

Unbundled Loop Element Cost Study
FLORIDA

INPUT ITEMS	STATE SPECIFIC VALUES

Plant and Structure Factors

Aerial
Underground
Buried

SAL Length

Labor Classifications

Equipment Engineer LG 011
COE Installation LG101
OSP Engineer LG 021

ICM Placing and Splicing

Place strand
Place aerial cable
Place fiber cable in conduit
Plow cable < 1000 feet
Plow cable > 1000 feet
Splice fiber optic cable 1 - 50 pairs

REDACTED

COMPANY

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA STATE AVERAGE VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

STATE AVERAGE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL COL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ALAFIA VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Undrgnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

ALAFIA

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL COL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ALTURAS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

ALTURAS

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL COL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ANNA MARIA VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

ANNA MARIA

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA AUBURNDALE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

AUBURNDALE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BABSON PARK VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

BABSON PARK

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BARTOW MAIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **BARTOW MAIN**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BAYOU VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
14								
15	**CALCULATION OF MONTHLY COST**							
16								
17	INVESTMENT							
18								
19	EQUIPMENT INVESTMENT							
20	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
21	ENGINEERING & INSTALLATION							
22	SOFTWARE							
23	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
24	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
25								
26	ANNUAL OPERATING EXPENSES							
27								
28	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
29	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
30	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
31	PROPERTY TAX	(Ln 12 * Ln 22)						
32								
33	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)						
34								
35	**COST PER MONTH**	(Ln 31 / 12)						
36								
37	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
38								
39	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

BAYOU

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BAYSHORE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

BAYSHORE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BEACH PARK VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

BEACH PARK

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
*2 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BRADENTON BAY VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungrd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **BRADENTON BAY**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aenal Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BRADENTON MAIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

BRADENTON MAIN

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

GTE
COMPANY

Unbundled Loop Element Cost Study

FLORIDA

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BRADLEY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungrd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

BRADLEY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA BRANDON VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Undgnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26 Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

BRANDON

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA CARROLLWOOD VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aenal Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV MKTG							

	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26 Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

CARROLLWOOD

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

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COMPANY

Unbundled Loop Element Cost Study

FLORIDA

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA CLEARWATER VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES ADV. MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

CLEARWATER

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA COUNTRYSIDE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Undrgnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

COUNTRYSIDE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

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COMPANY

Unbundled Loop Element Cost Study

FLORIDA

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA CYPRESS GARDENS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES ADV. MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop | **CYPRESS GARDENS**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL COL	2232.23					
FIBER PANEL C O	2232.23					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA DUNDEE VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

DUNDEE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA DUNEDIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

DUNEDIN

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

REDACTED

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

COMPANY

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ENGLEWOOD VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungrd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.30
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

ENGLEWOOD

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL COL	2232.23					
FIBER PANEL C.O.	2232.23					

REDACTED

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA FEATHER SOUND VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

FEATHER SOUND

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA FROSTPROOF VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

FROSTPROOF

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA GANDY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

GANDY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL COL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA HAINES CITY MAIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungrd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop — **HAINES CITY MAIN**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
'2 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA HAINES CITY NORTH VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungrd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

HAINES CITY NORTH

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA HIGHLANDS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

HIGHLANDS

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA HUDSON VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungrd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV MKTG							

	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26 Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

HUDSON

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA HYDE PARK VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	NVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
*2	PROPERTY TAX							
*3	SALES. ADV. MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26. Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

HYDE PARK

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA INDIAN LAKE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26 Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

INDIAN LAKE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA INDIAN ROCKS VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

INDIAN ROCKS

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA KEYSTONE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

KEYSTONE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LAKE ALFRED VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Undgnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

LAKE ALFRED

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LAKE WALES EAST VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **LAKE WALES EAST**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LAKE WALES MAIN VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **LAKE WALES MAIN**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LAKELAND EAST VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungrd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.20
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **LAKELAND EAST**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LAKELAND MAIN VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **LAKELAND MAIN**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LAKELAND NORTH VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **LAKELAND NORTH**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

GTE
COMPANY

Unbundled Loop Element Cost Study

FLORIDA

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LAND O' LAKES VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **LAND O' LAKES**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LARGO VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungrd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

LARGO

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LEALMAN VS • VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES ADV MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

LEALMAN

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LONGBOAT VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop — LONGBOAT

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA LUTZ VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

CALCULATION OF MONTHLY COST

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

LUTZ

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA MOON LAKE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Undgnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES ADV MKTG							

	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

MOON LAKE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA MULBERRY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Undgnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

MULBERRY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA MYAKKA CITY VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

MYAKKA CITY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

COMPANY

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA NEW PORT RICHEY VS + VIS

BNF:

DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

NEW PORT RICHEY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA NORTH GULF BEACH VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop — **NORTH GULF BEACH**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

REDACTED

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA NORTHPORT VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungrd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.20
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

NORTHPORT

SYSTEM INVESTMENT

ITEM	FCC ACCT
12 Fiber Cable	24XX.XX
FIBER PANEL CDL	2232.23
FIBER PANEL C.O.	2232.23

TOTAL all ACCOUNTS = **REDACTED**

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA NORTHSIDE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Undgnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop — **NORTHSIDE**

SYSTEM INVESTMENT

ITEM	FCC ACCT
12 Fiber Cable	24XX.XX
FIBER PANEL CDL	2232.23
FIBER PANEL C O.	2232.23

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA OLDSMAR VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop — **OLDSMAR**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA OSPREY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	$					
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

OSPREY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA PALMA SOLA VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	$					
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

PALMA SOLA

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWOF K FUNCTION COST STUDY

STATE: FLORIDA PALMETTO VS + VIS
BNF:
DESCRIPTION: HCAP Fiber Loop Facility

	INVESTMENT / C)ST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421 20	Ungnd Cable Nonmetallic 2422 20	Buried Cable Nonmetallic 2423 20	Conduit 2441 00
2	INVESTMENT LO DINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECC ERY							
10	COMPOSITE IN OME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MH TG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INV STMENT		
18	MATERIAL LOAD IGS	(Ln 4 * Ln 17)	
19	ENGINEERING & NSTALLATION		
20	SOFTWARE		
21	INVESTMENT FAC TOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTME IT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVE RY	(Ln 9 * Ln 22)	
27	COMPOSITE INCC IE TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & S JPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (AB)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

PALMETTO

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA PARRISH VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2424.20
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

PARRISH

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA PASADENA VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Undgnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

PASADENA

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					

TOTAL all AC OUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 A :count	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Ac :ount	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA PINECREST VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

PINECREST

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA PINELLAS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungrd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

PINELLAS

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL COL	2232.23					
FIBER PANEL C O	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA PLANT CITY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
14								
15	**CALCULATION OF MONTHLY COST**							
16								
17	INVESTMENT							
18								
19	EQUIPMENT INVESTMENT							
20	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
21	ENGINEERING & INSTALLATION							
22	SOFTWARE							
23	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
24	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
25								
26	ANNUAL OPERATING EXPENSES							
27								
28	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
29	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
30	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
31	PROPERTY TAX	(Ln 12 * Ln 22)						
32								
33	TOTAL ANNUAL COST	(Sum Ln 28, Ln 29)						
34								
35	**COST PER MONTH**	(Ln 31 / 12)						
36								
37	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
38								
39	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

PLANT CITY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24X X.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA POINCIANA VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2424.30
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

POINCIANA

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTA
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA POLK CITY VS + VIS
BNF:
DESCRIPTION: HCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **POLK CITY**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA RUSKIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Undgnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17 : Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26 : Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

RUSKIN

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24Xx XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SARASOTA MAIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.20
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES ADV MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop — **SARASOTA MAIN**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SARASOTA SPRINGS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aerial Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.20
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop — **SARASOTA SPRINGS**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SEMINOLE VS + VIS
BNF:
DESCRIPTION: HICAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

SEMINOLE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACC
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACC
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SEVEN SPRINGS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

SEVEN SPRINGS

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
*2 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SIESTA KEY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

SIESTA KEY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SKYWAY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES ADV MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

SKYWAY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SOUTH GULF BEACH VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungrd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

SOUTH GULF BEACH

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SOUTHSIDE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

SOUTHSIDE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ST. ARMANDS KEY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungrd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

ST. ARMANDS KEY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

GTE
COMPANY

Unbundled Loop Element Cost Study

FLORIDA

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ST. GEORGE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

ST. GEORGE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ST. PETERSBURG MAIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility **Facility Length 1.47 Miles**

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop ST. PETERSBURG MAIN

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ST. PETERSBURG SOUTH VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)	$					
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop ST. PETERSBURG SOUTH

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SULPHUR SPRINGS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **SULPHUR SPRINGS**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA SWEETWATER VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST								
14									
15	INVESTMENT								
16									
17	EQUIPMENT INVESTMENT								
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)							
19	ENGINEERING & INSTALLATION								
20	SOFTWARE								
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)							
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)							
23									
24	ANNUAL OPERATING EXPENSES								
25									
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)							
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)							
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)							
29	PROPERTY TAX	(Ln 12 * Ln 22)							
30									
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)							
32									
33	**COST PER MONTH**	(Ln 31 / 12)							
34									
35									
36	*SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)							
37									
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)							
39									

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **SWEETWATER**

SYSTEM INVESTMENT

ITEM	FCC ACCT
12 Fiber Cable	24XX.XX
FIBER PANEL CDL	2232.23
FIBER PANEL C.O.	2232.23

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA TAMPA EAST VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt 2232.23	Poles 2411.10	Aenal Cable Nonmetallic 2421.20	Ungnd Cable Nonmetallic 2422.20	Buried Cable Nonmetallic 2423.20	Conduit 2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

TAMPA EAST

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA TAMPA MAIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **TAMPA MAIN**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA TARPON SPRINGS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

TARPON SPRINGS

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

GTE
COMPANY

Unbundled Loop Element Cost Study

FLORIDA

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA TEMPLE TERRACE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop **TEMPLE TERRACE**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA THONOTOSASSA VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungrd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.30
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

THONOTOSASSA

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA UNIVERSITY VS - 'S
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	$
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

UNIVERSITY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA VENICE MAIN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	$
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	$
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	$
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

VENICE MAIN

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aenal Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA VENICE SOUTH VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

VENICE SOUTH

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA WALLCRAFT VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop — **WALLCRAFT**

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA WESLEY CHAPEL VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

WESLEY CHAPEL

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA WESTSIDE VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV. MKTG							
	CALCULATION OF MONTHLY COST							
14								
15	INVESTMENT							
16								
17	EQUIPMENT INVESTMENT							
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)						
19	ENGINEERING & INSTALLATION							
20	SOFTWARE							
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)						
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)						
23								
24	ANNUAL OPERATING EXPENSES							
25								
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)						
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)						
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)						
29	PROPERTY TAX	(Ln 12 * Ln 22)						
30								
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)						
32								
33	**COST PER MONTH**	(Ln 31 / 12)						
34								
35								
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)						
37								
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)						
39								

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

WESTSIDE

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA WIMAUMA VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

WIMAUMA

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA WINTER HAVEN VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17 Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26, Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

WINTER HAVEN

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					

TOTAL all ACCOUNTS

REDACTED

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA YBOR CITY VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aenal Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST	
14		
15	INVESTMENT	
16		
17	EQUIPMENT INVESTMENT	
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)
19	ENGINEERING & INSTALLATION	
20	SOFTWARE	
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)
22	TOTAL INVESTMENT	(Sum Ln 17..Ln 21)
23		
24	ANNUAL OPERATING EXPENSES	
25		
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)
29	PROPERTY TAX	(Ln 12 * Ln 22)
30		
31	TOTAL ANNUAL COST	(Sum Ln 26..Ln 29)
32		
33	**COST PER MONTH**	(Ln 31 / 12)
34		
35		
36	'SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)
37		
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)
39		

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

YBOR CITY

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

BASIC NETWORK FUNCTION COST STUDY

STATE: FLORIDA ZEPHYRHILLS VS + VIS
BNF:
DESCRIPTION: HiCAP Fiber Loop Facility

	INVESTMENT / COST FACTORS		Cable Term Eqpt	Poles	Aerial Cable Nonmetallic	Ungnd Cable Nonmetallic	Buried Cable Nonmetallic	Conduit
			2232.23	2411.10	2421.20	2422.20	2423.20	2441.00
1								
2	INVESTMENT LOADINGS							
3								
4	MATERIAL LOADINGS							
5	INVESTMENT FACTOR							
6								
7	ANNUAL EXPENSE FACTORS							
8								
9	CAPITAL RECOVERY							
10	COMPOSITE INCOME TAX							
11	MAINTENANCE & SUPPORT	WHOLESALE						
12	PROPERTY TAX							
13	SALES, ADV, MKTG							

	CALCULATION OF MONTHLY COST		
14			
15	INVESTMENT		
16			
17	EQUIPMENT INVESTMENT		
18	MATERIAL LOADINGS	(Ln 4 * Ln 17)	
19	ENGINEERING & INSTALLATION		
20	SOFTWARE		
21	INVESTMENT FACTOR	(Ln 5 * Lns 17+19)	
22	TOTAL INVESTMENT	(Sum Ln 17: Ln 21)	
23			
24	ANNUAL OPERATING EXPENSES		
25			
26	CAPITAL RECOVERY	(Ln 9 * Ln 22)	
27	COMPOSITE INCOME TAX	(Ln 10 * Ln 22)	
28	MAINTENANCE & SUPPORT	(Ln 11 * Ln 22)	
29	PROPERTY TAX	(Ln 12 * Ln 22)	
30			
31	TOTAL ANNUAL COST	(Sum Ln 26: Ln 29)	
32			
33	**COST PER MONTH**	(Ln 31 / 12)	
34			
35			
36	SALES/MKTG/ADV (ABC)	(Ln 13 * Ln 33)	
37			
38	**TOTAL COST PER MONTH**	(Ln 36 + Ln 33)	
39			

REDACTED

Unbundled Loop Element Cost Study
FLORIDA
INVESTMENT SUMMARY

Fiber Loop

ZEPHYRHILLS

SYSTEM INVESTMENT

ITEM	FCC ACCT	MATERIAL COST	ENGINEER COST	INSTALL COST	E&I TOTAL	TOTAL
12 Fiber Cable	24XX.XX					
FIBER PANEL CDL	2232.23					
FIBER PANEL C.O.	2232.23					
TOTAL all ACCOUNTS						

BREAKOUT OF 2232.xx INVESTMENT

	FCC ACCT
TOTAL Circuit Equipment	2232.21
TOTAL Fiber Terminal Equipment	2232.23
TOTAL Fiber Terminating Equipment	2232.23
TOTAL 2232 Account	

BREAKOUT OF 24xx.xx INVESTMENT

	FCC ACCT
Pole Investments	2411.10
Aerial Cable Investments	2421.20
Underground Cable Investments	2422.20
Buried Cable Investments	2423.20
Conduit Investments	2441.10
TOTAL 24XX Account	

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ.    ACTION: INQUIRY
ITEM ID   314227                      CLASS CODE: 1312  S/C  HH
SUBSTITUTE ITEM ID                    ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT. ONLY?
   1  MODULE DS-3 MAPPER (C/T NT7E08BA )        N
   2
   3
   4
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017       CEC: 24A
BUYER:  150        PR                          IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NT7E08AA                          PI: XX
1099 CODE:      SSI: 7       PRODUCT CLASS:  131208  INVENTORY METHOD: P
SHELF LIFE:          0    EQUIP CLASS:          COPS ITEM?      Y
                    REEL INDICATOR: N      MFG ITEM?      Y
NATIONAL PLANNER:     IPC:    FIELD PLANNER:        FORECAST?      F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID   368867                      CLASS CODE: 1312   S/C: HH
SUBSTITUTE ITEM ID:                    ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT ONLY?
   1  CARD DS3 INPUT/OUTPUT BNC              N
   2
   3
   4
PRICE IND: 2   1=AVG PRC AT ITEM. 2=AVG PRC. 3=STD COST EOM. 4=ZERO PRC.
         5=STD COST IMMED. 6=STD COST AT ITEM. 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017      CEC: 24A
BUYER:  150        P                                IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE
MANUFACTURERS PART NO:  NT4K30AA                          PI: XX
1099 CODE:     SSI: 1      PRODUCT CLASS:  131207  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:    1      COPS ITEM?      Y
                    REEL INDICATOR:  N      MFG ITEM?       Y
NATIONAL PLANNER:    IPC:    FIELD PLANNER:  AA      FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID: 368869 CLASS CODE: 1312 S/C: HH
SUBSTITUTE ITEM ID ENGINEERING DATE: 00.00.00
ITEM DESCRIPTION INT ONLY?
1 CARD DS-1 INPUT N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122017 CEC: 24A
BUYER: 150 IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NT4K32AA PI: XX
1099 CODE: SSI: 1 PRODUCT CLASS: 131207 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: 1 COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: AA FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:   ACTION: INQUIRY
ITEM ID   368870                      CLASS CODE: 1312  S/C: HH
SUBSTITUTE ITEM ID                     ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT ONLY?
   1  CARD DS-1 OUTPUT                       N
   2
   3
   4
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017       CEC: 24A
BUYER:  150                                     IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NT4K33AA                          PI: XX
1099 CODE:      SSI: 1       PRODUCT CLASS:  131207  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:   1      COPS ITEM?      Y
                     REEL INDICATOR:  N      MFG ITEM?       Y
NATIONAL PLANNER:     IPC:    FIELD PLANNER:  AA     FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                        CMD:
```

REDACTED

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID 368896 CLASS CODE 1312 S/C HH
SUBSTITUTE ITEM ID ENGINEERING DATE 00.00.00
ITEM DESCRIPTION: INT. ONLY?
1 CABLE TBM 608 DS1 45M N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122027 CEC: 24A
BUYER: 150 PRIME IMAGE PRICING Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NT7E408B PI: XX
1099 CODE: SSI: 1 PRODUCT CLASS: 131207 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: AA FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID   368946                    CLASS CODE: 1312  S/C  HH
SUBSTITUTE ITEM ID                   ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                        INT  ONLY?
   1  ASSEMBLY OC-3/12 VTBM(14)DS1 CH PLUG-INS    N
   2
   3
   4
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017      CEC: 24A
BUYER:  150        PRIME:                        IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH35GA                          PI: XX
1099 CODE:     SSI: 1      PRODUCT CLASS:  131207  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:          COPS ITEM?     Y
                    REEL INDICATOR:  N     MFG ITEM?      Y
NATIONAL PLANNER:    IPC:   FIELD PLANNER:  AA     FORECAST?      F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:    CF:          UOM:    CF:          UOM:    CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID:  375263                      CLASS CODE: 1312  S/C: HH
SUBSTITUTE ITEM ID                     ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT. ONLY?
   1  ASSEMBLY ADD'L 24 DS3 PLUG-INS          N
   2
   3
   4
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017      CEC: 24A
BUYER:  150        PRIME                        IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH37GG                          PI: XX
1099 CODE:     SSI: 1      PRODUCT CLASS:  131208  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:   1     COPS ITEM?     Y
                  REEL INDICATOR: N     MFG ITEM?      Y
NATIONAL PLANNER:    IPC:    FIELD PLANNER:  AA     FORECAST?      F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:    CF:          UOM:    CF:          UOM:    CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                    CMD:
```

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ.   ACTION: INQUIRY
ITEM ID   375264                      CLASS CODE: 1312  S/C  HH
SUBSTITUTE ITEM ID                     ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                         INT ONLY?
   1  ASSEMBLY ADD'L 3 DS3 PLUG-INS          N
   2
   3
   4
PRICE IND: 2   1=AVG PRC AT ITEM  2=AVG PRC  3=STD COST EOM  4=ZERO PRC
         5=STD COST IMMED  6=STD COST AT ITEM  7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017      CEC: 24A
BUYER:  150        PRIME                      IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH37GA                        PI: XX
1099 CODE:     SSI: 1      PRODUCT CLASS:  131208  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:   1     COPS ITEM?     Y
                  REEL INDICATOR:  N     MFG ITEM?     Y
NATIONAL PLANNER:    IPC:   FIELD PLANNER:  AA     FORECAST?     F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:    CF          UOM:    CF:          UOM:    CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                        CMD:
```

REDACTED

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID: 375269 CLASS CODE: 1312 S/C: HH
SUBSTITUTE ITEM ID ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION: INT ONLY?
1 ASSEMBLY OC-48 1 1 TERM OPT ER1310(ST) N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: F22102 CEC: 24A
BUYER: 150 PRIM[illegible] IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NTZH53GC PI: XX
1099 CODE: SSI: 1 PRODUCT CLASS: 131208 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID 376202 CLASS CODE: 1312 S/C HH
SUBSTITUTE ITEM ID ENGINEERING DATE 00/00/00
ITEM DESCRIPTION INT ONLY?
1 ASSEMBLY OC-3/12 3/ DS3 CH PLUG-INS N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122017 CEC: 24A
BUYER: 150 PRI IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NTZH36GA PI: XX
1099 CODE: SSI: 1 PRODUCT CLASS: 131207 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: AA FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID:  389529                      CLASS CODE: 1312  S/C: HH
SUBSTITUTE ITEM ID:                    ENGINEERING DATE: 00.00.00
ITEM DESCRIPTION:                          INT ONLY?
   1  ASSEMBLY OC-3 NTWK INTFC IR 1310 (ADM)      N
   2
   3
   4  AM 3-16-94                           Y
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA        ACCOUNT: 122017       CEC: 24A
BUYER:  150         PRIM                          IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NTZH40GE                          PI: XX
1099 CODE:      SSI: 1       PRODUCT CLASS:  131206  INVENTORY METHOD: P
SHELF LIFE:           0    EQUIP CLASS:          COPS ITEM?      Y
                    REEL INDICATOR: N      MFG ITEM?      Y
NATIONAL PLANNER:     IPC:    FIELD PLANNER: AA      FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID: 397118 CLASS CODE: 1312 S/C: HH
SUBSTITUTE ITEM ID: ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION: INT ONLY?
1 ASSY OC-3/12 INCR TBM SHELF N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122017 CEC: 24A
BUYER: 150 PRIM IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NTZH01GF PI: XX
1099 CODE: SSI: 2 PRODUCT CLASS: 131207 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: AA FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID   097125                      CLASS CODE: 1312   S/C: HH
SUBSTITUTE ITEM ID                     ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION                           INT ONLY?
   1  ASSY OC-12,DS3 TBM CE & SW RTU            N
   2
   3
   4  AM 6-30-94, AMR 462                     Y
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
          5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA        ACCOUNT: 122017       CEC: 24A
BUYER:  150          PRIME VENDOR:                IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH24GA                          PI: XX
1099 CODE:      SSI: 1       PRODUCT CLASS:  131207  INVENTORY METHOD: P
SHELF LIFE:          0    EQUIP CLASS:          COPS ITEM?      Y
                    REEL INDICATOR: N      MFG ITEM?      Y
NATIONAL PLANNER:     IPC:    FIELD PLANNER:  BB     FORECAST?      F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

Date: 2/11/ 0 Time: 02:32:07 PM

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KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID   397127                      CLASS CODE: 1312   S/C  HH
SUBSTITUTE ITEM ID                     ENGINEERING DATE  00/00/00
ITEM DESCRIPTION:                          INT  ONLY?
   1  ASSY OC-3/DS1/DS3 TBM CE & SW RTU          N
   2
   3
   4  AM 6-30-94                              Y
PRICE IND: 2   1=AVG PRC AT ITEM. 2=AVG PRC. 3=STD COST EOM. 4=ZERO PRC
         5=STD COST IMMED. 6=STD COST AT ITEM.
UNIT OF MEASURE: EA        ACCOUNT: 122017       CEC: 24A
BUYER:   150          PRIME VENDOR:  .                IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH25GA                              PI: XX
1099 CODE:      SSI: 1        PRODUCT CLASS:   131207   INVENTORY METHOD: P
SHELF LIFE:            0    EQUIP CLASS:           COPS ITEM?       Y
                     REEL INDICATOR:  N       MFG ITEM?
NATIONAL PLANNER:     IPC:    FIELD PLANNER:          FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID   397133                      CLASS CODE: 1312   S/C: HH
SUBSTITUTE ITEM ID                     ENGINEERING DATE: 00-00-00
ITEM DESCRIPTION                          INT ONLY?
   1  ASSY CC-3/12 BIP TBM SH.COOLER          N
   2
   3
   4  AM 6-30-94                            Y
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
          5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA        ACCOUNT: 122017       CEC: 24A
BUYER:  150         PRIME VENDOR:                 IMAGE PRICING: Y N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH63HB                          PI: XX
1099 CODE:      SSI: 1       PRODUCT CLASS:  131207   INVENTORY METHOD: P
SHELF LIFE:          0    EQUIP CLASS:          COPS ITEM?      Y
                    REEL INDICATOR: N      MFG ITEM?       Y
NATIONAL PLANNER:     IPC:    FIELD PLANNER:  AA      FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID: 397135 CLASS CODE: 1312 S.C: HH
SUBSTITUTE ITEM ID ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION: INT. ONLY?
1 ASSEMBLY OC-12 NTWK OPT IR 1310 (ST) N
2
3
4 AM 6-30-94 Y
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST ECM, 4=ZERO PRC
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122017 CEC: 24A
BUYER: 150 PRIME VENDOR: IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NTZH42GC PI: XX
1099 CODE: SSI: 1 PRODUCT CLASS: 131207 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: AA FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

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KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID:  404451                      CLASS CODE: 1312  S/C: HH
SUBSTITUTE ITEM ID:                    ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT ONLY?
   1  KIT RECTIFIER 110V 30AMP                N
   2
   3
   4
PRICE IND: 2  1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
        5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017      CEC: 24A
BUYER:  150       PRIME VENDOR:                MAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NT7N02AA                        PI: XX
1099 CODE:     SSI: 1      PRODUCT CLASS:  131211  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:          COPS ITEM?      Y
                   REEL INDICATOR: N     MFG ITEM?      Y
NATIONAL PLANNER:    IPC:   FIELD PLANNER:        FORECAST?      F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:    CF:          UOM:    CF:          UOM:    CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                        CMD:
```

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ    ACTION: INQUIRY
ITEM ID:  425995                    CLASS CODE: 1312  S.C  HH
SUBSTITUTE ITEM ID                   ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION                        INT. ONLY?
   1  ASSEMBLY OC-48 COMMON PLUG-IN (25+ DS3S)     N
   2
   3
   4
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017      CEC: 24A
BUYER:  150        PRIME VENDOR:                IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH38GB                          PI: XX
1099 CODE:      SSI: 1       PRODUCT CLASS:  131208  INVENTORY METHOD: P
SHELF LIFE:          0    EQUIP CLASS:          COPS ITEM?      Y
                    REEL INDICATOR: N      MFG ITEM?       Y
NATIONAL PLANNER:     IPC:    FIELD PLANNER: AA     FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

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KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID: 440031 CLASS CODE: 1312 S/C HH
SUBSTITUTE ITEM ID: ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION: INT. ONLY?
1 BAY CC-48 E/W F/A STS-1 TERM SHELF N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122017 CEC: 24A
BUYER: 150 PRIME VENDOR: IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NTZH50HD PI: XX
1099 CODE: SSI: 1 PRODUCT CLASS: 131208 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: AA FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID   450217                      CLASS CODE: 1312  S/C: HH
SUBSTITUTE ITEM ID:                    ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT ONLY?
   1  ASSY OC-12/3/3C COMMONS/SOFTWARE RTU       N
   2
   3
   4  AM 09/29/94                          Y
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM  4=ZERO PRC
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017      CEC: 24A
BUYER:  150        PRIME VENDOR:                IMAGE PRICING, Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH28GA                          PI: XX
1099 CODE:     SSI: 1      PRODUCT CLASS:  131207  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:          COPS ITEM?      Y
                   REEL INDICATOR: N      MFG ITEM?       Y
NATIONAL PLANNER:    IPC:    FIELD PLANNER:         FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:    CF:          UOM:    CF:          UOM:    CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID   450788                      CLASS CODE: 1312  S/C  HH
SUBSTITUTE ITEM ID:                    ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT  ONLY?
   1  ASSEMBLY CABINET FTIP E/W TBM&BAT SHELF      N
   2
   3
   4  AM 7-6-95                            Y
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA        ACCOUNT: 122017       CEC: 24A
BUYER:  150          PRIME VENDOR:                 IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:                    )
MANUFACTURERS PART NO:  NT7N01AA                              PI: XX
1099 CODE:      SSI: 1       PRODUCT CLASS:  131211  INVENTORY METHOD: P
SHELF LIFE:           0    EQUIP CLASS:          COPS ITEM?      Y
                     REEL INDICATOR: N      MFG ITEM?       Y
NATIONAL PLANNER:     IPC:    FIELD PLANNER:          FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

```
KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID   466987                      CLASS CODE: 1312   S/C: XX
SUBSTITUTE ITEM ID:                    ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT. ONLY?
    1  ASSY C/T 497554 OC-3/12 OPC&S/WREL10 02      N
    2
    3
    4
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
          5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA        ACCOUNT: 122017       CEC: 24A
BUYER:  150         PRIME VENDOR:                IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NTZH86GG                              PI: XX
1099 CODE:      SSI: 8       PRODUCT CLASS:  131207  INVENTORY METHOD: P
SHELF LIFE:           0    EQUIP CLASS:          COPS ITEM?      N
                     REEL INDICATOR: N      MFG ITEM?       N
NATIONAL PLANNER:     IPC:    FIELD PLANNER:  AA      FORECAST?       I
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

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KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION INQUIRY
ITEM ID 497554 CLASS CODE 1312 S C HH
SUBSTITUTE ITEM ID ENGINEERING DATE 00 00 00
ITEM DESCRIPTION INT ONLY?
1 ASSY OC-3/12 PRIMARY OPC & S/W REL 11 2 N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM. 2=AVG PRC. 3=STD COST EOM. 4=ZERO PRC
5=STD COST IMMED. 6=STD COST AT ITEM. 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT 122017 CEC 24A
BUYER: 150 PRIME VENDOR: IMAGE PRICING Y N Y
DEFAULT UNIT PRICE
MANUFACTURERS PART NO: NTZH86GL PI: XX
1099 CODE: SSI: 2 PRODUCT CLASS: 131207 INVENTORY METHOD P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: I FIELD PLANNER: AA FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

Date: 2/11/ 0 Time: 02:32:56 PM

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID 511763 CLASS CODE: 1312 S/C HH
SUBSTITUTE ITEM ID ENGINEERING DATE 00/00/00
ITEM DESCRIPTION: INT ONLY?
1 CARD DS1/VT ASYNC MAPPER N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122017 CEC: 24A
BUYER: 034 PRIME VENDOR: IMAGE PRICING, Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NT7E04EA PI: XX
1099 CODE: SSI: 1 PRODUCT CLASS: 131207 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: AA FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID: 535864 CLASS CODE: 1312 S/C HH
SUBSTITUTE ITEM ID ENGINEERING DATE: 00.00.00
ITEM DESCRIPTION: INT ONLY?
1 CABLE DS-3 COAX 735A (50M) BNC N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122027 CEC: 24A
BUYER: 150 PRIME VENDOR: IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NT7E43BF PI: XX
1099 CODE: SSI: 1 PRODUCT CLASS: 131207 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? Y
REEL INDICATOR: N MFG ITEM? Y
NATIONAL PLANNER: IPC: FIELD PLANNER: FORECAST? F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

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KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION  INQUIRY
ITEM ID   450788                      CLASS CODE: 1312   S/C  HH
SUBSTITUTE ITEM ID                     ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT. ONLY?
   1  ASSEMBLY CABINET FTIP E/W TBM&BAT SHELF      N
   2
   3
   4  AM 7-6-95                            Y
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
          5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA        ACCOUNT: 122017       CEC: 24A
BUYER:  150         PRIME VENDOR:                IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NT7N01AA                          PI: XX
1099 CODE:      SSI: 1       PRODUCT CLASS:  131211   INVENTORY METHOD: P
SHELF LIFE:          0    EQUIP CLASS:          COPS ITEM?      Y
                    REEL INDICATOR: N      MFG ITEM?       Y
NATIONAL PLANNER:     IPC:    FIELD PLANNER:         FORECAST?       F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
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REDACTED

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KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID:  510012                    CLASS CODE: 1312  S/C: HH
SUBSTITUTE ITEM ID:                  ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                        INT. ONLY?
   1  ASSEMBLY OC-48 TERM CE&S/W(DS3/STS1 PRT)    N
   2
   3
   4
PRICE IND: 2   1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
         5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122017      CEC: 24A
BUYER:  150        PRIME VENDOR:                IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:                )
MANUFACTURERS PART NO:  NTZH30FE                          PI: XX
1099 CODE:     SSI: 1      PRODUCT CLASS:  131208  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:          COPS ITEM?      Y
                    REEL INDICATOR:  N      MFG ITEM?      Y
NATIONAL PLANNER:    IPC:   FIELD PLANNER:  AA     FORECAST?      F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:     CF:          UOM:     CF:          UOM:     CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
```

REDACTED

KS01 CORPORATE ITEM MASTER
ITEM HEADER DATA HZ: ACTION: INQUIRY
ITEM ID: 510018 CLASS CODE: 1312 S/C XX
SUBSTITUTE ITEM ID ENGINEERING DATE 00/00/00
ITEM DESCRIPTION: INT ONLY?
1 ASSEMBLY OC-48 PRI OPC & REL 13.10 SW N
2
3
4
PRICE IND: 2 1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA ACCOUNT: 122017 CEC: 24A
BUYER: 150 PRIME VENDOR: IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO: NTZH80GL PI: XX
1099 CODE: SSI: 8 PRODUCT CLASS: 131208 INVENTORY METHOD: P
SHELF LIFE: 0 EQUIP CLASS: COPS ITEM? N
REEL INDICATOR: N MFG ITEM? N
NATIONAL PLANNER: IPC: FIELD PLANNER: AA FORECAST? I
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
UOM: CF: UOM: CF: UOM: CF:
NEXT ITEM:
PF04=PRMT PF05=HEAD PF06=DESC PF07=USER PF08=COPS
CMD:

REDACTED

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KS01                CORPORATE ITEM MASTER
                  ITEM HEADER DATA        HZ:    ACTION: INQUIRY
ITEM ID:  535864                    CLASS CODE: 1312  S/C: HH
SUBSTITUTE ITEM ID:                   ENGINEERING DATE: 00/00/00
ITEM DESCRIPTION:                          INT ONLY?
   1  CABLE DS-3 COAX 735A (50M) BNC          N
   2
   3
   4
PRICE IND: 2  1=AVG PRC AT ITEM, 2=AVG PRC, 3=STD COST EOM, 4=ZERO PRC,
        5=STD COST IMMED, 6=STD COST AT ITEM, 7=PROD COST
UNIT OF MEASURE: EA       ACCOUNT: 122027      CEC: 24A
BUYER:  150        PRIME VENDOR:                IMAGE PRICING: Y/N Y
DEFAULT UNIT PRICE:
MANUFACTURERS PART NO:  NT7E43BF                          PI: XX
1099 CODE:     SSI: 1      PRODUCT CLASS:  131207  INVENTORY METHOD: P
SHELF LIFE:          0   EQUIP CLASS:          COPS ITEM?      Y
                    REEL INDICATOR: N      MFG ITEM?      Y
NATIONAL PLANNER:    IPC:    FIELD PLANNER:        FORECAST?      F
ALTERNATE UNITS OF MEASURE AND CONVERSION FACTORS (3)
 UOM:    CF:          UOM:    CF:          UOM:    CF:
NEXT ITEM:
PF04=PRMT  PF05=HEAD  PF06=DESC  PF07=USER  PF08=COPS
                                          CMD:
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REDACTED