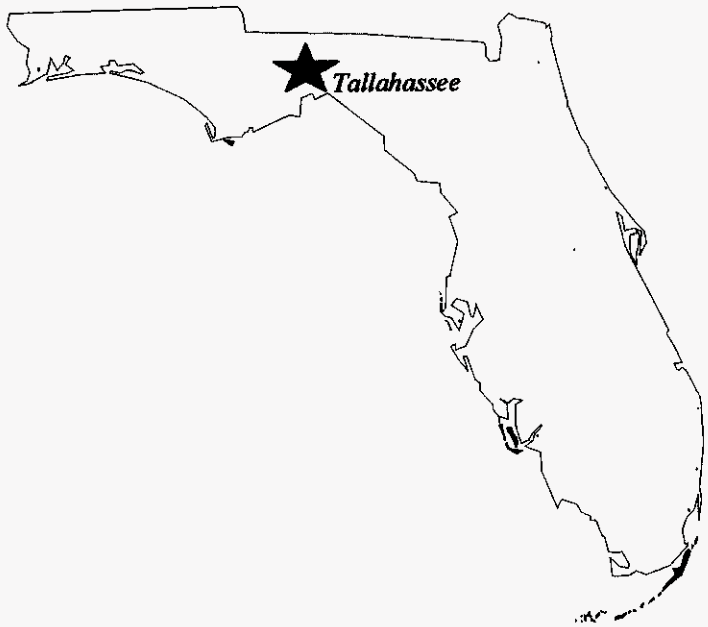
ORIGINAL

GTE FLORIDA INCORPORATED

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 990649-TP



Investigation Into Pricing Of Unbundled Network Elements

BINDER 8
TAB 15

APRIL 17, 2000

GTE TELEPHONE OPERATIONS - Florida
RUN TIME OPTIONS

Integrated Cost Model - ICM Release 4.1
Outside Plant User Options

General Settings

Pole Spacing	175
Manhole Spacing	750
Manhole rock rem. fact.	20
Pull box Spacing	3000
Pull Box rock rem. fact.	4
Well Point Days	2

Percent

Percent Boring	0.14
Percent Guy Wire	0.1
Percent Concrete	0.02
Percent Hand dig	0.29

Copper Loop Length

12 KFT 6 Mbps

Planning

Adm Fill	0.98
Planning Horizon	0
Growth Rate	0

User

Poles	2
Trench	1
Additional Conduit	1

Spans

Aerial Cu	413
Buried Cu	334
Aerial Fi	872
Buried Fi	1142

Integrated Cost Model - ICM Release 4.1
Outside Plant User Options

Distribution

Drop

Drop Size

Drop Size	3
Maximum Length	465
Minimum Length	52

Business

Threshold	499
Pairs	25
Threshold	1249
Pairs	50

Residence

Threshold	499
Pairs	25

Units

Lines/Res	1 11
Line/Bus	2

Terminals

Res Units	4
Bus Units	4

Sharing Distribution Percent

Foreign Poles	0 7635
Aerial	0 4
Buried	0
Undgnd	0 0082

Percent of no cost

Dist. Trench	0
Drop Placement	0

Engineering

Distribution Factor	2.2

Integrated Cost Model - ICM Release 4.1
Outside Plant User Options

Feeder

Sharing Feeder Percent

Foreign Poles	0 7635
Aerial	0 4
Buried	0
Undgnd	0 0082

Cross Connect

Factor	3
Min Size 1	200
Min size 2	100
Min Distance	5000

Engineering

Feeder Factor	1 06

Integrated Cost Model - ICM Release 4.1
Inter Office User Options

User Settings

Administrative Fill	1
Intra-Ring Factor	0.6
Aerial Span	872
Buried Span	1142
Air to Route Ratio	1.3

Integrated Cost Model - ICM Release 4.1
Expense User Options

Life

Econ

Market

Whole

Shared

Inflation	0
Productivity	0
Horizon	0

Calibrate

OUTSIDE PLANT USER OPTIONS

GENERAL

OPTIONS	.REFERENCE
POLE SPACING	Default
MANHOLE SPACING	GTEP 911-400-071, pg. 2 of 8, section 5 Also, see attached document titled "Conduit Flowchart".
MANHOLE ROCK REMOVAL FACTOR	See attached document titled "Additional Investments for Manholes and Pull Boxes".
PULL BOX SPACING	GTEP 938-624-000, pg. 16 of 26 Also, see attached document titled "Conduit Flowchart".
PULL BOX ROCK REMOVAL FACTOR	See attached document titled "Additional Investments for Manholes and Pull Boxes".
WELL POINT DAYS	See attached document titled "Additional Investments for Manholes and Pull Boxes".
PERCENT BORING	See attached document titled " Procedure for Developing the Percent Hand Digging, Boring, and Concrete".
PERCENT GUY WIRE	Default
PERCENT CONCRETE	See attached document titled " Procedure for Developing the Percent Hand Digging, Boring, and Concrete".
PERCENT HAND DIG	See attached document titled " Procedure for Developing the Percent Hand Digging, Boring, and Concrete".
COPPER LOOP LENGTH	This option allows the user to choose between maximum copper loops of 12Kft , 12Kft with capability for 6Mbps transmission, and 18Kft. GTE's standard run uses the 12Kft/6Mbps option.
ADM FILL	PAR 074, pg. 30
PLANNING HORIZON	N/A
GROWTH RATE	N/A

OUTSIDE PLANT USER OPTIONS

GENERAL

OPTIONS	REFERENCE
USERS SHARING POLES	Default
USERS SHARING TRENCH	Default
ADDITIONAL CONDUIT	Default
SPANS – AERIAL CU	Average distance between splices in aerial copper facilities. See attached document titled "Calculation of Aerial and Buried Span Length".
SPANS – BURIED CU	Average distance between splices in buried copper facilities. See attached document titled "Calculation of Aerial and Buried Span Length".
SPANS – AERIAL FIBER	Average distance between splices in aerial fiber facilities. See attached document titled "Calculation of Aerial and Buried Span Length".
SPANS – BURIED FIBER	Average distance between splices in buried fiber facilities. See attached document titled "Calculation of Aerial and Buried Span Length".
USE USER FILL	If chosen, directs ICM to adjust investment and cost to reflect the user-designated utilization factor.

OUTSIDE PLANT USER OPTIONS

DISTRIBUTION

DROP WIRE SIZE	See "Product Standardization Bulletin – 5188"
DROP – MAXIMUM LENGTH	User input that determines the maximum length drop to be placed by ICM. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
DROP – MINIMUM LENGTH	User input that determines the minimum length drop to be placed by ICM.
BUSINESS THRESHOLD 1	Number of business lines required in a demand unit to trigger the placement of a drop size input as 'BUSINESS PAIRS 1'. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
BUSINESS PAIRS 1	Cable size used as drop when the number of business lines in a demand unit exceed 'BUSINESS THRESHOLD 1'. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
BUSINESS THRESHOLD 2	Number of business lines required in a demand unit to trigger the placement of the drop size input as 'BUSINESS PAIRS 2'. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
BUSINESS PAIRS 2	Cable size used as drop when the number of business lines in a demand unit exceed 'BUSINESS THRESHOLD 2'. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
RESIDENCE THRESHOLD 1	Number of residential lines required in a demand unit to trigger the placement of the drop size input as 'RESIDENCE PAIRS 1'. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
RESIDENCE PAIRS 1	Cable size used as drop when the number of residence lines in a demand unit exceed 'RESIDENCE THRESHOLD 1'. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
UNITS – LINES/RES	Number of lines per residence. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
UNITS – LINES/BUS	Number of lines per business location. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
TERMINALS – RES UNITS	Number of residences per terminal. Also see attached document titled 'Drops and Terminal Inputs, ICM 4.1'.
SHARING DISTRIBUTION PERCENT: AERIAL DISTRIBUTION PERCENT FOREIGN POLES AERIAL DISTRIBUTION PERCENT SHARING BURIED DISTRIBUTION PERCENT SHARING UNDGRD DISTRIBUTION PERCENT SHARING	State specific % based on the amount of distribution sharing that occurs between GTE and other utilities. See attached share document.
PERCENT OF NO COST – DISTRIBUTION TRENCH	User input that reflects the percentage of distribution structure that is placed for GTE at no cost to GTE.
PERCENT OF NO COST – DROP PLACEMENT	User input that reflects the percentage of drop trench that is placed for GTE at no cost to GTE.
ENGINEERING DISTRIBUTION FACTOR	Cable sizing factor that reflects GTE's policy of sizing distribution cable at 2.0 to 2.5 lines per residence.

OUTSIDE PLANT USER OPTIONS

FEEDER

OPTIONS	REFERENCE
SHARING FEEDER PERCENT: AERIAL FEEDER PERCENT FOREIGN POLES AERIAL FEEDER PERCENT SHARING BURIED FEEDER PERCENT SHARING UNDGRD FEEDER PERCENT SHARING	State specific % based on the amount of feeder sharing that occurs between GTE and other utilities. See attached share document.
ENGINEERING FEEDER (FACTOR)	PAR 074 – pg. 25, 37
X CONNECT BOX FACTOR	GTEP 938-010-070, pg. 20 of 32 GTEP 938-360-010, pg. 7 of 10, section 5.1
MINIMUM X CONNECT SIZE 1	GTEP 938-360-010, pg. 7 of 10, section 5.1
MINIMUM X CONNECT SIZE 2	GTEP 938-360-010, pg. 7 of 10, section 5.1
MINIMUM DISTANCE	User input that determines the distance from the office or DLC under which ICM limits the placement of cross connect boxes.

INTER OFFICE USER OPTIONS

OPTIONS	REFERENCE
ADMIN FILL	Default
INTRA RING FACTOR	Default
AERIAL SPAN	See attached document titled "Calculation of Aerial and Buried Span Length".
BURIED SPAN	See attached document titled "Calculation of Aerial and Buried Span Length".
AIR TO ROUTE RATIO	Default

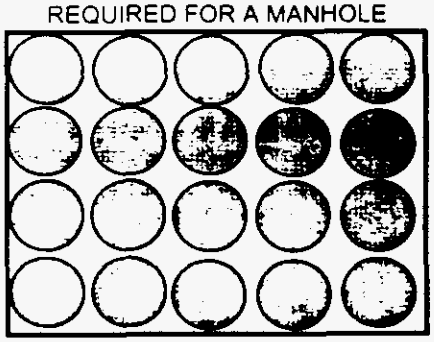
ADDITIONAL INVESTMENTS FOR MANHOLES AND PULL BOXES

BEDROCK AND WATER

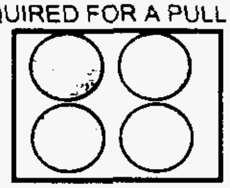
ICM adds additional investments to the normal labor charges for placing manholes, pull boxes, and conduit when bedrock is within the excavation depths required for these structures. Additional investments are also added to manhole labor charges when the water table is within the excavation depth for a manhole. The additional charge for water is based on the number of days "well points" would be required to remove the water from under the surface in the excavation area while the excavation is made and the manhole placed. GTE has set the number of "WELLPOINTDAYS" to 2 in the user input. This is the minimum number of days well points that would be required

For bedrock removal for manholes, ICM is modeled to only add bedrock removal costs when the depth of the bedrock is within approximately 72 inches of the surface. The excavation depth for a manhole is approximately 108 inches. ICM is not modeled to add the additional charges for bedrock removal starting at 108 inches because of the method used to estimate the rock removal charges. GTE has not been able to establish a charge for bedrock removal based on the thickness of the bedrock in the excavation area. To estimate the bedrock removal costs, the cost of digging a pole hole in rock is multiplied by the number of pole holes required to approximate the surface area of a manhole. Approximately 20 pole holes (4 holes wide by 5 holes long) are required to approximate the area that must be excavated for a manhole. When the bedrock is more than 72 inches from the surface, there are no extra charges for bedrock removal. If the bedrock approaches closer to the surface, the charges are the same. Therefore ICM most likely understates the costs of removing bedrock using the current method for manholes. For a pull box, 4 pole holes (2 holes wide by 2 holes long) are used. The bedrock removal costs for pull boxes is not applied unless the bedrock is within 48 inches of the surface.

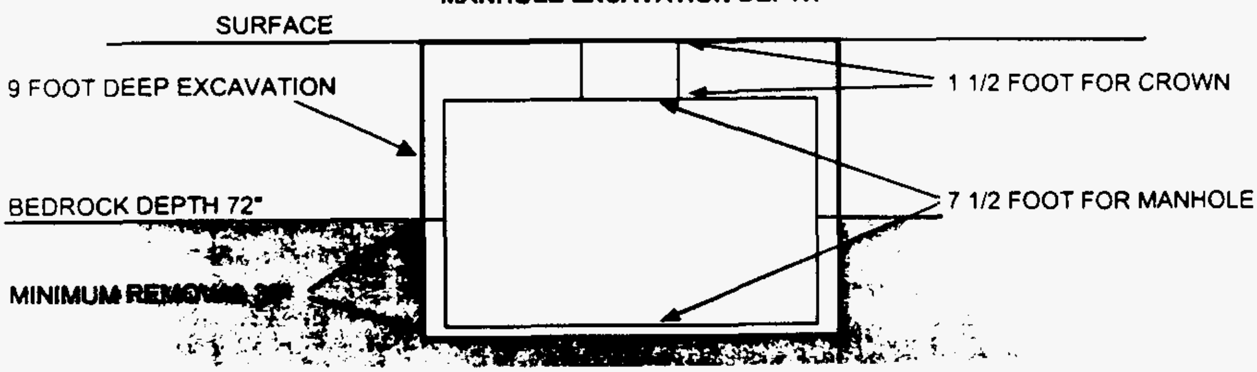
EXCAVATION AREA
REQUIRED FOR A MANHOLE



EXCAVATION AREA
REQUIRED FOR A PULL BOX



MANHOLE EXCAVATION DEPTH



PERCENT GUY WIRE

Percent Guy Wire is a user input in the Integrated Cost Model(ICM) under the Outside Plant User Options – General tab. This factor is user changeable and represents the number of poles that require anchors and down guys. The established Percent Guy Wire input in ICM is 10%.

PROCEDURE FOR DEVELOPING THE PERCENT HAND DIGGING, BORING, AND CONCRETE

The purpose of this procedure is to develop the percentage of trench line provisioned by hand digging or boring, and the percentage of trench line that requires concrete or asphalt to be removed and replaced. These percentages are developed using data available from CAS (Contract Administration System). Since ICM only applies these factors to trenching (not plowing), only the trenching labor codes are used to develop these percentages.

CAS contains all the labor units charged by the contractors to each labor code during the year. For this procedure the labor codes associated with trenching are identified and the sum of three years of data are used. The codes used are:

CODE	DESCRIPTION
P54A	Trench - Short Distance (Up to 1000' - 30' Depth)
P54B	Trench - Long Distance (Greater than 1000' - 30' Depth)
P55A	Backhoe Buried Cable (Up to 36" Depth)
P57A	Hand Dig Trench
P59A	Bore / Pull Cable (Up to 4")
P59B	Bore / Push Pipe - Single (Up to 4")
P93A	Cut and Remove Asphalt
P93C	Cut and Remove Concrete

These labor code numbers may vary from state to state. If they vary from the above scheme, modifications are made to ensure that the correct units are captured. The first 6 codes (P54A - P59B) in the list are methods of trenching or placing buried cables in lieu of trenching. The sum of these 6 codes represents the total length of trench. To determine the percent trench provisioned by hand digging and boring, the total hand digging and boring footage is divided by the length of trench. In ICM, hand-digging and boring are considered part of the trenchline and are costed in ICM in lieu of the standard trench cost.

The concrete and asphalt units are typically reported in square feet and represent the concrete and asphalt cut and replaced to allow trenching to occur. Assuming the concrete or asphalt patch is 2 foot wide, the square feet of asphalt or concrete must be divided by two to determine the amount of equivalent trench line involved. The percent concrete is determined by dividing the sum of asphalt and concrete by the total trench length. Concrete replacement is considered in ICM to be an adder to the trench cost.

DEVELOMENT OF PERCENT HAND DIGGING, CONCRETE, AND BORING

STATE: FLORIDA
SOURCE OF DATA: CAS

LABOR CODE	
P54A	TRENCH
P54B	TRENCH
P55A	BACKHOE
P57A	HAND DIG
P59A	ORE CABL
P59B	BORE PIPE
P93A	ASPHALT
P93C	CONCRETE

REDACTED

TOTAL TRENCH LINE

PERCENT HAND DIG 29%

PERCENT BORE = 14%

EQUIVALENT TRENCH LINE LENGTH OF ASPHALT AND CONCRET

PERCENT CONCRETE = 2%

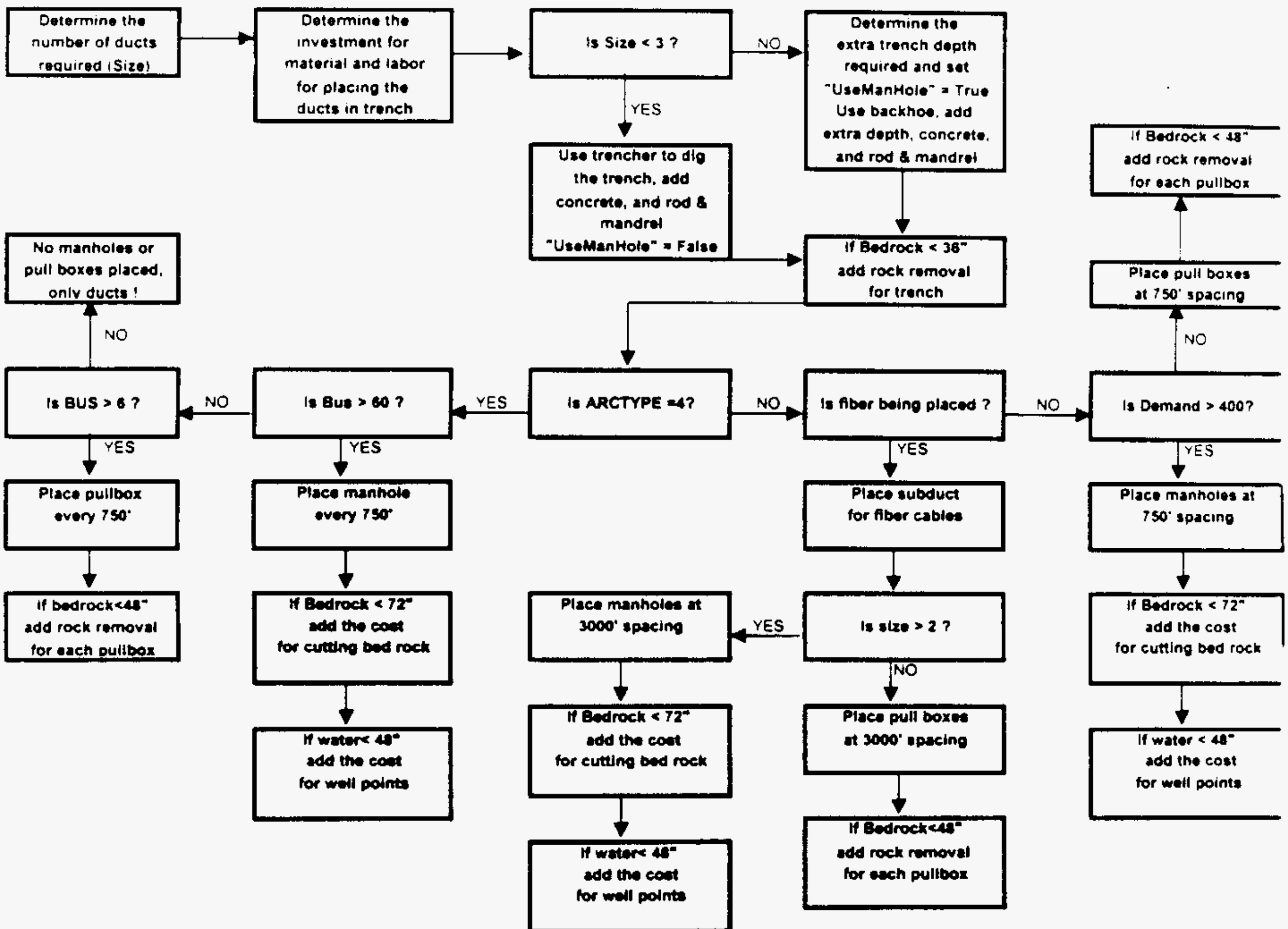
CONDUIT FLOWCHART

The ICM investments for conduit are calculated based on the following logic. In the distribution network, pull boxes and/or manholes are rarely used in residential areas. As the number of businesses in an area increases, the need for pull boxes and manholes increases to facilitate additional branch cables and access to splices for rearrangements to meet changing demands. Therefore, in the distribution network, ICM is modeled to place ducts without pullboxes or manholes in demand units with 6 or less business lines, ducts with pull boxes in demand units with between 6 and 60 business lines, and ducts with [illegible] when business lines exceed 60 in the demand unit.

In the feeder network, pull boxes are placed at a 3,000 feet spacing for fiber cables

Pull boxes are placed and spaced at 750 feet for copper cables serving a demand less than 400 lines, and manholes are placed and spaced at 750 feet for copper cables serving demands over 400 lines. When fiber is placed, subduct (1" or 1¼" tubes placed inside the 4" duct) is also placed.

In the distribution and feeder networks, the trenching for duct formations with two or less ducts is based on the trenching being performed by a trencher. For duct formations over 2 ducts, the trenching is performed with a backhoe. The decision chart below summarizes the ICM modeling for underground conduit



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CALCULATION OF AVERAGE AERIAL AND BURIED SPAN LENGTH

The average aerial and buried span length inputs are used by ICM to determine the splice frequency in the **aerial and buried** portions of the copper and fiber feeder, and transport networks. The copper feeder network is the portion of the network used to connect the central office or DLC to the grid distribution network. The fiber feeder network is the fiber cable used to connect the central office to the DLCs. The transport network is the portion of the network between offices. Splice frequency for **underground** copper and fiber feeder, and transport cable is determined by the manhole and pullbox spacing inputs, respectively.

The average span length inputs are determined by calculating the average Inventory Plant Identification (IPID) length in GTE's ICGS (Interactive Computer Graphics System) for buried and aerial copper and fiber cable. ICGS is a database driven graphical system, which is used by GTE's OSP engineers to display and update OSP facilities. An IPID is the smallest unit of cable plant with a splice at both ends in GTE's OSP engineering records. An average IPID length is determined by summing the lengths of all IPIDs on an account basis (copper and fiber) and dividing by the number of IPIDS in each account. Therefore, an average IPID length is an accurate indicator of how often splice points occur in the copper and fiber networks.

Total Feeder & Dist Copper						Total Cu			
AERC Feet	Sect	BURC Feet	Sect	UG C Feet	Sect	Total Cu	Sect	Aerial Cu	Buried Cu

0 22151622	AERC
0 69623355	BURC
0 08225024	UG C

		Total Feeder & Dist Copper						Total Cu	
JUR	CLLI	AERC Feet	Sect	BURC Feet	Sect	UG C Feet	Sect	Total Cu	Sect
FL	ABDLFLXA96H								
FL	ALFAFLXA67H								
FL	ALTRFLXARSA								
FL	ANMRFLXA77H								
FL	BARTFLXA53H								
FL	BAYUFLXA54H								
FL	BBPKFLXARSA								
FL	BHPKFLXA28H								
FL	BRBAFLXA75H								
FL	BRJTFLXARSA								
FL	BRNDFLXA68H								
FL	BRTNFLXX74H								
FL	BYSHFLXA84H								
FL	CLWRFLXA44H								
FL	CNSDFLXA79H								
FL	CRWDFLXA96H								
FL	CYGRFLXA32H								
FL	DNDNFLXA73H								
FL	DUNDFLXA43H								
FL	ENWDFLXA47H								
FL	FHSDFLXA57H								
FL	FRSTFLXA63H								
FL	GNDYFLXA57H								
FL	HDSNFLXA86H								
FL	HGLDFLXA64H								
FL	HNCYFLXA42H								
FL	HNCYFLXN424								
FL	HYPKFLXADS0								
FL	INLKFLXARSA								
FL	INRKFLXX59H								
FL	KYSTFLXA92H								
FL	LGBKFLXA38H								
FL	LKALFLXA95H								
FL	LKLDFLXA68H								
FL	LKLDFLXE66H								
FL	LKLDFLXN85H								
FL	LKWLFLXA67H								
FL	LKWLFLXERSA								
FL	LLMNFLXADS0								
FL	LNLKFLXA99H								
FL	LRGOFLXA58H								
FL	LUTZFLXA94H								
FL	MLBYFLXARSA								
FL	MNLKFLXA85H								
FL	MYCYFLXA32H								
FL	NGBHFLXA39H								
FL	NPRCFLXA84H								
FL	NRPTFLXA42H								
FL	NRSDFLXA35H								
FL	OLDSFLXA85H								
FL	OSPRFLXA96H								
FL	PKCYFLXARSA								
FL	PLMTFLXA72H								
FL	PLSLFLXA79H								
FL	PNCRFLXA73J								
FL	PNLSFLXA53H								
	POINFLXARSA								
FL	PRSHFLXARSA								
FL	PSDNFLXA34H								
FL	PTCYFLXA75H								
FL	RSKNFLXA64H								
FL	SARKFLXARSA								
FL	SEKYFLXA34H								
FL	SGBEFLXA36H								
FL	SKWYFLXADS0								
FL	SLSPFLXA93H								
FL	SMNLFLXA23H								
FL	SNSPFLXA37H								
FL	SPBGFLXA89H								
FL	SPBGFLXS86H								
FL	SPRGFLXA37H								
FL	SRSTFLXA95H								
FL	SSDSFLXA92H								
FL	STGRFLXA78H								
FL	SWTHFLXA88H								
	TAMPFLXA01T								
FL	TAMPFLXEDS0								
FL	TAMPFLXX22H								
FL	THNTFLXADS0								
FL	TMTRFLXADS0								
FL	TRSPFLXA93H								
FL	UNVRFLXA97H								
FL	VENCFLXA48H								
FL	VENCFLXSDS0								
FL	WIMMFLXA63H								
FL	WLCHFLXA97H								
FL	WLCRFLXA83H								
FL	WNHNFLXC29H								
FL	WSSDFLXA87H								
FL	YBCTFLXA24H								
FL	ZPHYFLXA78H								

REDACTED

Total Feeder Fiber						Total Cu			
AERC Feet	Sect	BURC Feet	Sect	UG C Feet	Sect	Total Cu	Sect	Aerial F	Buried F

872 0074 1142 178

GTE INCORPORATED
STATE OF FLORIDA
Loop Study Feeder (Fiber) Cable Sheath Analysis

TOTAL CABLE SHEATH FEET AND SECTIONS

		Feeder- Fiber					
JUR	CLLI	AERC Feet	Sect	BURC Feet	Sect	UG C Feet	Sect
FL	ABDLFLXA96H						
FL	ALFAFLXA67H						
FL	ALTRFLXARSA						
FL	ANMRFLXA77H						
FL	BARTFLXA53H						
FL	BAYUFLXA54H						
FL	BBPKFLXARSA						
FL	BHPKFLXA28H						
FL	BRBAFLXA75H						
FL	BRJTFLXARSA						
FL	BRNDFLXA68H						
FL	BRTNFLXX74H						
FL	BYSHFLXA84H						
FL	CLWRFLXA44H						
FL	CNSDFLXA79H						
FL	CRWDFLXA96H						
FL	CYGRFLXA32H						
FL	DNDNFLXA73H						
FL	DUNDFLXA43H						
FL	ENWDFLXA47H						
FL	FHSDFLXA57H						
FL	FRSTFLXA63H						
FL	GNDYFLXA57H						
FL	HDSNFLXA86H						
FL	HGLDFLXA64H						
FL	HNCYFLXA42H						
FL	HNCYFLXN424						
FL	HYPKFLXADS0						
FL	INLKFLXARSA						
FL	INRKFLXX59H						
FL	KYSTFLXA92H						
FL	LGBKFLXA38H						
FL	LKALFLXA95H						
FL	LKLDFLXA68H						
FL	LKLDFLXE66H						
FL	LKLDFLXN85H						
FL	LKWLFLXA67H						
FL	LKWLFLXERSA						
FL	LLMNFLXADS0						
FL	LNLKFLXA99H						
FL	LRGOFLXA58H						
FL	LUTZFLXA94H						
FL	MLBYFLXARSA						
FL	MNLKFLXA85H						
FL	MYCYFLXA32H						
FL	NGBHFLXA39H						
FL	NPRCFLXA84H						
FL	NRPTFLXA42H						
FL	NRSDFLXA35H						
FL	OLDSFLXA85H						
FL	OSPRFLXA96H						
FL	PKCYFLXARSA						
FL	PLMTFLXA72H						
FL	PLSLFLXA79H						
FL	PNCRFLXA73J						
FL	PNLSFLXA53H						
FL	PRSHFLXARSA						
FL	PSDNFLXA34H						
FL	PTCYFLXA75H						
FL	RSKNFLXA64H						
FL	SARKFLXARL0						
FL	SEKYFLXA34H						
FL	SGBEFLXA36H						
FL	SKWYFLXADS0						
FL	SLSPFLXA93H						
FL	SMNLFLXA23H						
FL	SNSPFLXA37H						
FL	SPBGFLXA89H						
FL	SPBGFLXS86H						
FL	SPRGFLXA37H						
FL	SRSTFLXA96H						
FL	SSDSFLXA92H						
FL	STGRFLXA78H						
FL	SWTHFLXA88H						
FL	TAMPFLXEDS0						
FL	TAMPFLXX22H						
FL	THNTFLXADS0						
FL	TMTRFLXADS0						
FL	TRSPFLXA93H						
FL	UNVRFLXA97H						
FL	VENCFLXA48H						
FL	VENCFLXSDS0						
FL	WIMMFLXA63H						
FL	WLCHFLXA97H						
FL	WLCRFLXA83H						
FL	WNHNFLXC29H						
FL	WSSDFLXA87H						
FL	YBCTFLXA24H						
FL	ZPHYFLXA78H						
	Totals						

REDACTED

PRODUCT STANDARDIZATION BULLETIN

BULLETIN NUMBER	:5188:
REVISION #	:13:
PRODUCT CLASS	:150313:
OEM CODE	:SPCC:
ISSUE DATE	:10/30/97:

PSB TITLE: WIRE, BURIED SERVICE

MANUFACTURER: SUPERIOR CABLE CORP
150 INTERSTATE N PKWY, ST#300
ATLANTA, GA 30339
(404) 953-8338

REASON FOR ISSUANCE:

This PIR/PSB is being issued in order to De-Standardize 2 pair buried service wire products. The minimum pair count products that should be installed on a going forward bases is 3 pair. All 2 pair products have been C/T'ed to the similar put-ups of existing Standard 3 pair products.

Also, this PSB now covers the unique 12 pair BSW products that were previously standardized under MIN SM 970007.

Vendor Confidential

DROPS AND TERMINALS INPUTS - ICM 4.1

ICM 4.1 utilizes inputs to allow a user to conduct sensitivity analysis to determine the effects of various values and combinations of drip and terminal scenarios. What follows is a listing of the user inputs, their associated defaults, and the logic for establishing the defaults.

USER INPUT	VALUE	LOGIC
TERMINAL - RELATED INPUTS		
Res/Terminals	4	This value states the ICM will place one terminal for every four households. This is a logical configuration and a generally accepted practice. This value is not valid in demand units where Resident Threshold 1 is exceeded.
Bus/Terminals	4	This value states that ICM will place one terminal for every four business locations. This is a logical configuration and a generally accepted practice for small businesses and/or areas with light business activity. This value is not valid in demand units where Business Threshold 1 is exceeded.
DROP - RELATED INPUTS		
Maximum Drop Length	465	This value is in feet and sets the maximum length of a drop facility in any demand unit. The default represents an average maximum drop length placed in very sparsely populated demand units.
Minimum Drop Length	52	This value is in feet and sets the minimum length of a drop facility in any demand unit. The default represents an average minimum drop length placed in very highly populated demand units.
Business Threshold 1	499	This value is in business lines and determines the density level per demand unit at which all locations in the demand area are served with a larger entrance (drop) facility. The size of the larger entrance facility is determined by the user input Bus Drop Size 1. The default value was determined by analyzing the size of a typical demand unit (1500' x 1800', approximately 60 acres) and developing the business line quantity that would likely dictate the use of larger and fewer entrance facilities.

USER INPUT	VALUE	LOGIC
Business Threshold 2	1249	This value is in business lines and determines the density level per demand unit higher than Business Threshold 1 at which all locations in the demand area are served with a larger entrance (drop) facility than those served in a density between Business Threshold 1 and Business Threshold 2. The size of the larger entrance facility is determined by the user input Bus Drop Size 2. The default value was determined by analyzing the size of a typical demand unit (1500' x 1800', approximately 60 acres) and developing the business line quantity that would likely dictate the placement of larger and fewer entrance facilities.
Bus Drop Size 1	25	The cable size in pairs used to serve business lines in demand units that exceed the density established in Business Threshold 1. This size represents the cable from the serving pedestal or pole to the building.
Bus Drop Size 2	50	The cable size in pairs used to serve business lines in demand units that exceed the density established in Business Threshold 2. This size represents the cable from the serving pedestal or pole to the building.
Res Threshold 1	499	This value is in residential lines and determines the density level per demand unit at which residences in the demand are served with a larger entrance (drop) facility. The size of the larger entrance facility is determined by the user input Res Drop Size 1. The default value was determined by analyzing the size of a typical demand unit (1500' x 1800', approximately 60 acres) and developing the residential line quantity that would likely necessitate the placement of larger and fewer entrance facilities.
Res Drop Size 1		The cable size in pairs used to serve residences lines in demand units that exceed the density established in Residence Threshold 1. This size represents the cable from the serving pedestal or pole to the building.

UNITS LINE / RES & UNITS LINE / BUS

Units Line/Res - User input that determines the number of residential housing units. The number of residential line is divided by this user input in order to determine the number housing units, and therefore the required number of residential-related drops and terminals.

Units Line/Bus - Similar to the unit lines/Res, the number of business locations is determined by dividing the number of businesses lines by this input. The number of business units is then used to determine the required number of business-related drops and terminals.

Line / Res Factor
Florida

(A)

Res Radl
Total
Factor

REDACTED

THIS IS ICM STRUCTURE SHARING INPUT FOR Florida

SHARING FEEDER PERCENT - FOREIGN POLES	0.7635
SHARING FEEDER PERCENT - AERIAL	0.4000
SHARING FEEDER PERCENT - BURIED	0.0000
SHARING FEEDER PERCENT - UNDERGROUND	0.0082
SHARING DISTRIBUTION PERCENT - FOREIGN POLES	0.7635
SHARING DISTRIBUTION PERCENT - AERIAL	0.4000
SHARING DISTRIBUTION PERCENT - BURIED	0.0000
SHARING DISTRIBUTION PERCENT - UNDERGROUND	0.0082

POLE SHARING

STATE : **Florida**

Line 1	SOLELY OWNED POLES & OCCUPIED BY ONLY GTE	
Line 2	POLES OWNED BY GTE AND OCCUPIED BY OTHERS (attachments)	
Line 3	JOINTLY OWNED POLES	
Line 4	TOTAL POLES OWNED BY GTE	REDACTED
Line 5	NON-GTE OWNED POLES OCCUPIED BY GTE	
Line 6	TOTAL POLES	

CALCULATIONS

Shared poles (Line 2 + Line 3) / Line 4 {All jointly owned poles regardless of base ownership and poles with others attached}	40.00%	ICM INPUT for SHARING AERIAL
Solely owned poles {All solely owned poles with only GTE attached}	60.00%	
Total (Just checking)	100.00%	
Foreign owned poles (Line 5 / Line 6) {All poles that GTE attaches to under rental agreement - annual attachment fees, etc }	76.35%	ICM INPUT for FOREIGN POLES

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DUCT SHARING

STATE : Florida

Line 1	SOLELY OWNED CONDUIT OCCUPIED BY GTE (duct-feet)	-
Line 2	CONDUIT OWNED BY GTE AND OCCUPIED BY OTHERS (rental)	-
Line 3	JOINTLY OWNED CONDUIT (duct-feet owned by others in same trench)	-
Line 4	**TOTAL DUCT-FEET OWNED BY GTE**	

REDACTED

Shared Conduit [(Line 2 + Line 3) / Line 4] {All jointly owned conduit and GTE conduit leased by other users}	**0.82%**	**ICM INPUT for CONDUIT_SHARING**
Solely owned Conduit [Line 1 / Line 4] {All solely owned conduit occupied by GTE or for future GTE use}	99.18%	
Total	100.00%	

1526

TRENCH SHARING

STATE : **Florida**

Line 1	TRENCH OCCUPIED BY GTE (trench-feet)	
Line 2	JOINTLY OWNED TRENCH (trench-feet occupied by GTE and others)	**REDACTED**
Line 3	**TOTAL DUCT-FEET OWNED BY GTE**	

Shared Trench [Line 2 / Line 3] {All jointly occupied trench by GTE and another user}	**0.00%**	**ICM INPUT for TRENCH SHARING**
Solely owned Conduit [Line 1 / Line 3] {All solely occupied trench by GTE}	100.00%	
Total	100.00%	

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Engineering Distribution Factor

			ICM
1	Total Residential Lines-working		
2	+Business Lines		
3	= SubTotal		
4	- 2nd lines - Note 1		
5	= Total Lines		
6			
7		x	REDACTED
8			
9	=Total Installed Lines		
10			
11	Divide Total installed lines by ICM		2.2
12	Total Lines (Line 3) to convert ICM lines		
13	to installed lines		
14			

*PAR distribution factor is the weighting of low, medium, and high density locations by 2.0, 2.25 and 2.5 lines per location, respectively

Note:
All line information are derived from the '99 2nd Qtr report from Demand & Forcasting

Res/Bus Lines from Demand File

ICM 4.1

State - FL

	# Lines	*Percent*
Res. Lines		
Bus. Lines		
Total Lines		

REDACTED

GTE - Telephone Operations
FLORIDA

Engineering Feeder Factor Calculation

		(A)	
1	Forecasted Lines for YE 2002		
2	Total Lines for YE 1998		
3	Line Growth Factor		(A1/A2)-1
4	Average Growth		
5	Average Line Growth Factor		(A3/A4)
6	Engineering Feeder Factor Calculatior		(A5+1)
	Engineering Feeder Factor	1.06	

REDACTED

Source Documentation Legend

Note (1): Forecasted line data obtained from the Switched and Special Access Lines Gain report.
Note (2): Total lines for year end 1998 obtained from 1998 ARMIS 43-08 report.
Note (3): Also See PAR 074 - pages 25 and 37.