

Confidential Release

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MCI Exhibits
1-48

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C:\123R24\LCATR076\SPAN		LOOP COST ANALYSIS TOOL		Bellcore®																		
INPUT - PLANT_CHAR. Sheet 1 / 5 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS LINE		LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 13:56																		
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY																						
LOOP TOPOLOGY Loop FEEDER Network Configuration Is (S)tar Or (R)ing Average Number Of Hubs In Each Ring Loop DISTRIBUTION Network Configuration Is (S)tar or (B)us SPAN LENGTHS ① Average Distance From the Central Office to the Service Access Point ② Average Distance From the Serving Area Interface to the Service Access Point ③ Average Distance From the Remote Terminal to the Serving Area Interface ④ Average Distance From the Central Office to the Fiber Hub or S.A.I. ⑤ Average Distance From the Fiber Hub to the Remote Terminal		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">ACTION SEGMENT</th> </tr> <tr> <td>PRIMARY</td> <td>STAR</td> </tr> <tr> <td>PRIMARY</td> <td>NA</td> </tr> <tr> <td>DISTRIBUTION</td> <td>STAR</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>TOTAL LOOP</td> <td style="text-align: right;">6403.0</td> </tr> <tr> <td>DISTRIBUTION</td> <td style="text-align: right;">638.0</td> </tr> <tr> <td>SUB-PRIMARY</td> <td style="text-align: right;">300.0</td> </tr> <tr> <td>PRIMARY</td> <td style="text-align: right;">5465.0</td> </tr> <tr> <td>PRIMARY-EXTENSION</td> <td></td> </tr> </table>			ACTION SEGMENT		PRIMARY	STAR	PRIMARY	NA	DISTRIBUTION	STAR	TOTAL LOOP	6403.0	DISTRIBUTION	638.0	SUB-PRIMARY	300.0	PRIMARY	5465.0	PRIMARY-EXTENSION	
ACTION SEGMENT																						
PRIMARY	STAR																					
PRIMARY	NA																					
DISTRIBUTION	STAR																					
TOTAL LOOP	6403.0																					
DISTRIBUTION	638.0																					
SUB-PRIMARY	300.0																					
PRIMARY	5465.0																					
PRIMARY-EXTENSION																						
LOOP LENGTH AT EACH COST BAND BAND 1 BAND 2 BAND 3 BAND 4 BAND 5		DISTRIBUTION OF COST BANDS IN THE NETWORK BAND 1 BAND 2 BAND 3 BAND 4 BAND 5																				
LAST 6403.0		LAST 1.0000 1.0000 Hint																				

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C:\123R24\LCATR076\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]
INPUT - PLANT_CHAR. Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS FOR INVESTMENT YEAR : 1996 LOOP STUDY YEAR : 1996 SERVICE CLASS : BAND 1 - BUSINESS LINE		LCAT Rel : 1.0.4 Issued : 07/31/95 STUDY YR : 1996 TEST CASE : 1 LAST UPDATE : 09-Dec-96 TIME : 13:56
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY				
LOOP LENGTH 6403 FEET				
<pre> graph LR NI[NETWORK INTERFACE] -- DROP 638 FEET --> DP[SERVICE ACCESS POINT] DP -- DISTRIBUTION 2 --> SAI[SERVING AREA INTERFACE] SAI -- SUB-PRIMARY 3 --> RT[REMOTE TERMINAL (LOOP MULTIPLEX INTERFACE) REMOTE NODE (LOOP TRANSFER)] RT -- FIBER DISTRIBUTION --> EXT[EXTENSION 5765 FEET] EXT -- PRIMARY 2 --> FH[FIBER HUB] FH -- PRIMARY 2 --> EO[END OFFICE] </pre>				

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LOOP COST ANALYSIS TOOL

Bellcore (R)

INPUT - PLANT - CHAR.
Sheet 1 of 2LOOP FACILITY INPUT
HELP SCREENLCAT Rel : 1.0.4
Issued : 07/31/96

AVERAGE NETWORK STUDY -

This mode of LCAT is used where the cost study may be broad in scope and lack sufficient detail data to use the Loop OSP cost calculators on Sheets 2, 3, and 4. Instead, it relies on table data from the FACILITY file, representing jurisdictional average value mixes or proportions. Input for these values is placed on Sheet 1.

INDIVIDUAL CIRCUIT STUDY -

This mode of LCAT is used to cost study circuit specifics on an Individual Circuit Basis for Request For Proposals, Special Constructions, and CENTREX-like Services. Data input is usually actual per the circuit configuration's span by span requirements as detailed by Product Management. This mode will require the use of the Loop OSP calculators on Sheets 2, 3, and 4.

DATA SAMPLE NETWORK STUDY -

This mode of LCAT functions well with the Loop OSP cost calculators on Sheets 2, 3, and 4. The data samples are inputted on the sheets cumulatively and cost calculated directly. Then the weightings formulae are applied to create an average weighted Loop cost per pair foot.

BANDWIDTH AVERAGING -

This feature of LCAT permits study level weighting of fiber multiplexer bandwidth transport. The range of multiplexers goes from 1.5 Mbps through 1.7 Gbps and designating the mix of usage develops a more precise unit investment to the feeder calculations.

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****

PRESS "ENTER" TO RETURN TO THE MAIN MENU

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LOOP COST ANALYSIS TOOL

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INPUT - PLANT CHAR.

Sheet 2 of 2

HELP SCREEN

LCAT Rel : 1.0.4

Issued : 07/31/95

COST DETAILS

When the Loop Study is specified as DISTANCE SENSITIVE, the data required is inputted as part of STUDY SETUP input and the ROUTE TO AIR RATIO [B] on WORKSHEET F and the resultant Rate Band delimiters are copied into the RATE BANDS field on SCREEN 1 by the System. The SPAN LENGTHS data is input by the User.

When the Loop Study is specified as FLAT RATE, then ALL the data required is input on SCREEN 1 in the COST BANDS field and/or SPAN LENGTHS field by the User.

LOOP TOPOLOGY

When the Loop Topology (circuit layout format) for the Feeder Layer is specified as STAR, the Primary Feeder (C.O. to HUB) is variable and the Feeder Extension (HUB to R.T.) is held as an average length link. When the Loop Topology is specified as RING, the Primary Feeder is held as an average length link and the Feeder Extension is variable. This input Sheet is adjusted to each possibility. The SPAN LENGTHS input cells are rearranged to support the Topology specified and only request the necessary data that is required.

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
 ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****

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C:\123R24\LCAT\076\SPAN		LOOP COST ANALYSIS TOOL				Bellcore [®]	
INPUT - PLANT CHAR.		LOOP FACILITY INPUT				LCAT Rel: 1.0.4	
Sheet 2a / 5		FIBER OPTIC CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER				Issued: 07/31/95	
COMPANY: 0		INVESTMENT YEAR: 1996				STUDY YR: 1996	
CITY / AREA: 0		LOOP STUDY YEAR: 1996				TEST CASE: 1	
STATE / PROV: 0		SERVICE CLASS: BAND 1 - BUSINESS LINE				LAST UPDATE: 09-Dec-96	
						TIME: 13:56	
NETWORK CIRCUIT LAYOUT STUDIES							
WORKSHEET A							
		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
		CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT
CAPACITY (C)	idx	(D _A)	(E _A)	(D _B)	(E _B)	(D _U)	(E _U)
4 FIBER CABLE	2 pr		0.0		0.0		0.0
6 FIBER CABLE	3 pr		0.0		0.0		0.0
12 FIBER CABLE	6 pr		0.0		0.0		0.0
18 FIBER CABLE	9 pr		0.0		0.0		0.0
24 FIBER CABLE	12 pr		0.0		0.0		0.0
36 FIBER CABLE	18 pr		0.0		0.0		0.0
48 FIBER CABLE	24 pr		0.0		0.0		0.0
60 FIBER CABLE	30 pr		0.0		0.0		0.0
72 FIBER CABLE	36 pr		0.0		0.0		0.0
84 FIBER CABLE	42 pr		0.0		0.0		0.0
96 FIBER CABLE	48 pr		0.0		0.0		0.0
144 FIBER CABLE	72 pr		0.0		0.0		0.0
192 FIBER CABLE	96 pr		0.0		0.0		0.0
216 FIBER CABLE	108 pr		0.0		0.0		0.0
CUMULATIVE LENGTHS OF FEEDER:				EFFECTIVE CABLE LENGTHS BY CABLE PAIR FOOT:			
AERIAL FIBER SUBTOTAL		0		AERIAL FIBER SUBTOTAL		0.0	
BURIED FIBER SUBTOTAL		0		BURIED FIBER SUBTOTAL		0.0	
UNDGRD FIBER SUBTOTAL		0		UNDGRD FIBER SUBTOTAL		0.0	
FIBER SUBTOTAL		0		FIBER SUBTOTAL		0.0	

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PLANT CHAR - WORKSHEET 2B Sheet 2b / 5		LOOP FACILITY INPUT FIBER OPTIC CABLE SPAN INVESTMENT FOR THE FEEDER LAYER FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996				LCAT Rel : 1.0.4 Issued : 07/31/95 STUDY YR : 1996 TEST CASE : LAST UPDATE: 00-Dec-95 TIME : 13:56			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE							
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET B					
EFFECTIVE CHANNEL LENGTH BY CABLE PAIR FOOT [A] = [E] WKSH A / [F] WKSH C CUMULATIVE INVESTMENT BY CABLE CHANNEL FOOT [B] = [A] * [C] * UNIT INV FACILITY WKSH B									
For these sizes ...		CAPACITY	idx	AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
		[C]		[A]	[B]	[A]	[B]	[A]	[B]
4	FIBER CABLE	2 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
6	FIBER CABLE	3 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
12	FIBER CABLE	6 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
18	FIBER CABLE	9 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
24	FIBER CABLE	12 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
36	FIBER CABLE	18 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
48	FIBER CABLE	24 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
60	FIBER CABLE	30 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
72	FIBER CABLE	36 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
84	FIBER CABLE	42 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
96	FIBER CABLE	48 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
144	FIBER CABLE	72 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
192	FIBER CABLE	96 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
216	FIBER CABLE	108 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
SUBTOTAL				\$ 0.00		\$ 0.00		\$ 0.00	

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PLANT CHAR - WORKSHEET 3B Sheet 3b / 5			LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE FEEDER LAYER									LCAT Rel : 1.0.4 Issued : 07/31/95	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO			INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996									STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 09-Dec-95 TIME : 13:56	
SERVICE CLASS: BAND 1 - BUSINESS			NETWORK CIRCUIT LAYOUT STUDIES									WORKSHEET B	
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT													
CABLE SHEATH SIZES			26 GA.			24 GA.			22 GA.				
CAPACITY	idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD		
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00				
BURIED CABLE SUBTOTAL				0.00			0.00			0.00			
UNDGRND CABLE SUBTOTAL					0.00			0.00			0.00		

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INPUT - PLANT CHAR. Sheet 4a / 5		LOOP FACILITY INPUT COPPER CABLE SPAN CHARACTERISTICS FOR THE DISTRIBUTION LAYER FOR			LCAT Rel : 1.0.4 Issued : 07/31/95 STUDY YR : 1996 TEST CASE : 1 LAST UPDATE : 09-Dec-96 TIME : 13:56					
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS								
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET A CUMULATIVE LENGTHS BY CABLE PAIR FOOT								
CABLE SHEATH SIZES	CAPACITY 10X	26 GA.			24 GA.			22 GA.		
		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr									
50 COPPER CABLE	25 pr									
80 COPPER CABLE	40 pr									
100 COPPER CABLE	50 pr									
140 COPPER CABLE	70 pr									
200 COPPER CABLE	100 pr									
400 COPPER CABLE	200 pr									
600 COPPER CABLE	300 pr									
800 COPPER CABLE	400 pr									
1200 COPPER CABLE	600 pr									
1800 COPPER CABLE	900 pr									
2400 COPPER CABLE	1200 pr									
3000 COPPER CABLE	1500 pr									
3600 COPPER CABLE	1800 pr									
4200 COPPER CABLE	2100 pr									
4800 COPPER CABLE	2400 pr									
5400 COPPER CABLE	2700 pr									0.0
6000 COPPER CABLE	3000 pr									distucprf
7200 COPPER CABLE	3600 pr									0.0
8400 COPPER CABLE	4200 pr									0.0
SUB TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS				0.0			0.0			0.0
				0.0			0.0			0.0

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PLANT CHAR - WORKSHEET 4B Sheet 4b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE DISTRIBUTION LAYER FOR						LCAT Rel: 1.0.4 Issued: 07/31/96			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 13:56			
SERVICE CLASS: BAND 1 - BUSINESS		WORKSHEET 8									
NETWORK CIRCUIT LAYOUT STUDIES											
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
	idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00		
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00

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C:\123R24\LCATR076\SPAN		LOOP COST ANALYSIS TOOL						Bellcore (R)	
INPUT - PLANT_CHAR. Sheet 5 / 5		LOOP FACILITY INPUT DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX FOR						LCAT Rel : 1.0.4 Issued : 07/31/95	
COMPANY: CINCINNATI BELL TEL		INVESTMENT YEAR : 1996						STUDY YR : 1996	
CITY / AREA: CINCINNATI		LOOP STUDY YEAR : 1996						TEST CASE : 1	
STATE / PROV: OHIO		SERVICE CLASS : BAND 1 - BUSINESS LINE						LAST UPDATE : 09-Dec-96	
								TIME : 13:56	
FIBER BANDWIDTH TRANSMISSION FLOW IS : ☒ UNIDIRECTIONAL ☐ BIDIRECTIONAL		LEVEL OF SERVICE : <u>NARBAND</u>							
BITRATE INDEX	1	2	3	4	5	6	7		
FIBER BANDWIDTH	45 Mbps	90 Mbps	155 Mbps	180 Mbps	0	0	0	SERVICE	WEIGHTED
MUX DS3 MULTIPLIER	1	2	3	4	0	0	0	PROTECTION	EQUIVALENT
VOICE GRADE CHANNELS	672	1344	2016	2688	0	0	0	LEVEL	CHANNELS
								MULTIPLE	n:1
								[SLM]	[E]
FEEDER - PRIMARY	0.0000	0.1370	0.7810	0.0820	0.0000	0.0000	0.0000	2	1979.04
FEEDER - EXTENSION	0.0000	0.1370	0.7810	0.0820	0.0000	0.0000	0.0000	2	1979.04
FOOTNOTES 1 Where Service Level Multiple EQUALS {1 for NARBAND, 28 for WIDEBAND, 672 for BRBAND} TIMES {2 for Unidirectional and 1 for Bidirectional}. 2 Where Wtd Eqv Chan per FO Pr [F] EQUALS {The Avg Wtd VGE for BR1 ->7} DIVIDED BY 672 [SLM]} TIMES {1 PLUS 1 OVER PROT [E]}									

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PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1998

TEST CASE: 1

LAST UPDATE: 09-Dec-95

TIME: 13:56

WORKSHEET DS

DIGITAL SIGNAL TABLE (digsig.tbl)						
SELECT	MODE	HIERARCHY	BNDWD	DS1MULT	DS3MULT	VGE MEDIA
0						
1		DS1 1.5 Mbps		1	0.04	24 BIDIR 2WCU CA
2		DS1 1.5 Mbps		1	0.04	24 UNDIR 2WCU CA
3	MODE3	VT1.5 1.5 Mbps		1	0.04	24 UNDIR FIBER
4		VT2 2 Mbps		1	0	UNDIR FIBER
5		ET 2 Mbps		1	0.06	30 BIDIR 2WCU CA
6	MODE1	DSTC 3.2 Mbps	NA			48 BIDIR 2WCU CA
7	MODE2	DSTC 3.2 Mbps		2	0.07	48 BIDIR 2WCU CA
8		VT3 3.2 Mbps		2	0.07	56 UNDIR FIBER
9		4 Mbps		2	0	60
10		DS2 6.3 Mbps		4	0.14	72 BIDIR 2WCU CA
11	MODE4	DS2 6.3 Mbps	NA		0	72 BIDIR 2WCU CA
12		VT6 6.3 Mbps		4	0.14	84 UNDIR FIBER
13		E2 8 Mbps		4	0.25	120 BIDIR 2WCU CA
14		E3 34 Mbps		16	1	480
15	X	DS3 45 Mbps		28	1	672 BIDIR 2WCU CA
16		OC1 50 Mbps		28	1	672 UNDIR FIBER
17	X	90 Mbps		2	2	1344 UNDIR FIBER
18		90 Mbps		2	2	1344 BIDIR MW RADIO
19		DS4 135 Mbps		3	3	2016 UNDIR FIBER
20		135 Mbps		3	3	2016 BIDIR MW RADIO
21		DS4NA 139 Mbps		3	3	2016 UNDIR FIBER
22		E4 140 Mbps		3	3	1920 UNDIR FIBER
23		14M 339 Mbps		6	6	4032 BIDIR COAX
24		P140 339 Mbps		6	6	4032 BIDIR COAX
25	X	OC3 155 Mbps		3	3	2016 UNDIR FIBER
26	X	180 Mbps		4	4	2688 UNDIR FIBER
27		417 Mbps		9	9	6048 UNDIR FIBER
28		OC9 468 Mbps		9	9	6048 UNDIR FIBER
29		OC12 560 Mbps		12	12	7680 UNDIR FIBER
30		565 Mbps		12	12	8064 UNDIR FIBER
31		1.2 Gbps		24	24	16128 UNDIR FIBER
32		1.7 Gbps		36	36	24192 UNDIR FIBER
33		OC24 1.8 Gbps		24	24	24192 UNDIR FIBER
34		2.5 Gbps		24	24	34560 UNDIR FIBER
35						
36						
0	1	2	3	4	5	6 7
OFFSET						

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PLANT CHAR. - WORKSHEET F
Sheet 1 of 1

LOOP LENGTH DEVELOPMENT WORKSHEET

LCAT Rel: 1.0.4

Issued: 07/31/95

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE: OHIOFOR
INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 1 - BUSINESS
WORKSHEET FSTUDY YR.: 1996
TEST CASE:
LAST UPDATE: 00-Dec-96
TIME: 13:56

[A] BAND NUMBER [C]	DISTANCE INCREMENTS: [B] NUMBER OF BANDS: TOTAL WORKING FEET [D=input]	0 / 4 MILE BETWEEN BANDS 0 TO BE CARRIED INTO THE STUDY TOTAL WORKING FEET [E=(B*D)]	TOTAL AIR FEET [F=A*C*K]	[R] UNIT MILE / FEET CONSTANT: LOOP LENGTH @ MIDPOINT [G (see note)]	ROUTE TO AIR RATIO: 1.539947 1320 WORKING FEET @ MIDPOINT [H=G*R]	1996 13:56
1		0			0	
2		0			0	
3		0			0	
4		0			0	
5		0			0	

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NOTE - SPAN MIDPOINT [G] equals the $\text{SQRT}((F_{\text{CURR}}^2/2) + (F_{\text{PREV}}^2/2))$

ERROR MESSAG 0

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C:\123R24\LCAT076\SPAN		LOOP COST ANALYSIS TOOL		Bellcore (R)
PLANT CHART - WORKSHEET SA		LCAT Ver: 1.0.4		
Sheet 1 / 1		Issued: 07/31/95		
COMPANY: CINCINNATI BELL TEL.		STUDY YR: 1998		
CITY/AREA: CINCINNATI		TEST CASE: 1		
STATE/PROV: OHIO		LAST UPDATE: 09-Dec-96		
WORKSHEET SA		TIME: 13:56		

Sub Feeder Allocation Table

Sub Feeder Allocation Table										
Offset	0	1	2	3	4	5	6	7	8	9
cur_lplgth	6403									
dlcdepl = 12000	NO COLOCATED	dstopo = BUS	COLOCATED RT AND CP where							
[B]distspa	638	dstopo = STAF	dstopo = BUS	COLOCATED Fdstopo = BUS						
nom_range	cur	disubfeed	prfeed	disubfeed	prfeed	disubfeed	prfeed	disubfeed	prfeed	disubfeed
[C]	[D=C-I]	[E]	[F=D-E]	[G]	[H=D-G]	[I]	[J=C-I]	[K]	[L=C-K]	[M=A-C]
500	0	0	0	0	0	500	0	500	0	6403
1000	362	362	0	362	0	1000	0	1000	0	5903
2000	1362	1362	0	1362	0	2000	0	2000	0	5403
3000	2362	2362	0	2362	0	3000	0	3000	0	4403
4000	3362	3362	0	3362	0	4000	0	4000	0	3403
5000	4362	4362	0	4362	0	5000	0	5000	0	2403
6000	5362	5362	0	5362	0	6000	0	6000	0	1403
7000	6362	6362	0	6362	0	7000	0	7000	0	403
8000	7362	7362	0	7362	0	8000	0	8000	0	-597
9000	8362	8362	0	8362	0	9000	0	9000	0	-1597
10000	9362	9362	0	9362	0	10000	0	10000	0	-2597
11000	10362	10362	0	10362	0	11000	0	11000	0	-3597
12000	11362	5681	5681	0	11362	6000	6000	0	12000	-4597
13000	12362	6181	6181	0	12362	6500	6500	0	13000	-5597
14000	13362	6681	6681	0	13362	7000	7000	0	14000	-6597
15000	14362	7181	7181	0	14362	7500	7500	0	15000	-7597
16000	15362	7681	7681	0	15362	8000	8000	0	16000	-8597
17000	16362	8181	8181	0	16362	8500	8500	0	17000	-9597
18000	17362	8681	8681	1000	16362	9000	9000	1000	17000	-10597
19000	18362	9181	9181	2000	16362	9500	9500	2000	17000	-11597
20000	19362	9681	9681	3000	16362	10000	10000	3000	17000	-12597
80000	79362	11362	68000	4000	75362	11362	68638	4000	78000	-13597

RULES

ASSUMPTION - Table LOOKUP will select from the lower NOM_RANGE of a CUR_LPLGTH intermediate value

If CUR_LPLGTH is

- = < DISTSPAN, then CUR_SEGLGTH^{dist} Equals CUR_LPLGTH - NOM_RANGE difference
- > DISTSPAN and < DLCDEPL, then CUR_SEGLGTH^{staf} Equals CUR_LPLGTH - NOM_RANGE difference
- = > DLCDEPL, then CUR_SEGLGTH^{prior} Equals CUR_LPLGTH - NOM_RANGE difference

CUR_SEGLGTH - Calculation Assumptions

The DISTSPAN can not exceed the DLCDEPL value input on CRITERIA.

Therefore, set the DLCDEPL at the DISTSPAN to get an ALL FIBER Network.

OHIO ONLY
3 Geographic Areas

07/26/96
Revised

Band 1

1 0-12,000
2 # Of Entries
3 12,001-INFINITY
4 # Of Entries
5 Ratio
6 0-12,000
7 12,001-INFINITY

Residence		
Average F1 Length	Average F2 Length	Average Loop
A	B	C
6,081	1,103	7,184
107		
14,881	2,346	17,226
53		
0.5744		
0.4256		
1.0000		

Business		
Average F1 Length	Average F2 Length	Average Loop
D	E	F
5,765	638	6,403
255		
13,630	2,046	15,677
38		
0.7433		
0.2567		
1.0000		

Band 2

8 0-14,000
9 # Of Entries
10 14,001-INFINITY
11 # Of Entries
12 Ratio
13 0-14,000
14 14,001-INFINITY

6,697	1,836	8,534
69		
19,582	2,699	22,282
70		
0.4964		
0.5036		
1.0000		

5,698	1,013	6,711
90		
21,785	1,989	23,774
74		
0.5488		
0.4512		
1.0000		

Band 3

15 0-18,000
16 # Of Entries
17 18,001-INFINITY
18 # Of Entries
19 Ratio
20 0-18,000
21 18,001-INFINITY

4,845	1,981	6,825
46		
23,301	4,826	28,127
56		
0.4510		
0.5490		
1.0000		

4,519	1,095	5,608
7		
23,881	3,479	27,360
90		
0.5775		
0.4225		
0.0000		

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C:\123R24\LCATR077\RESULTS1		LOOP COST ANALYSIS TOOL					Bellcore®	
OUTPUT - REPORT D		PROSPECTIVE INVESTMENT SUMMARY REPORT					LCAT Rel: 1.0.4	
SHEET 1 of 1							Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: TOTAL TECHNOLOGIES					STUDY YR: 1995	
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS					TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE					RUN DATE: 27-Jan-97	
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 15677 FEET					TIME: 10:08	
Loop Span Set Weighting: 1		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED TOTAL LOOP	
PLANT NAME		FEEDER		DISTRIBUTION NETWORK				
SEG. NAME		PRIMARY		EXTENSION		SUB-INTERFACE		
EQPT CODE								
PLANT								
ITEM DESCRIPTION		SEG. LGTH.						
SHARED RESOURCES								
LAND	20C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0324	
BUILDING	10C	\$ 0.97	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.9703	
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
MISC. COM EQP & PWR	57C	\$ 0.43	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.4330	
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
DIRECT RESOURCES								
LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.3950	
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.02	\$ 4.50	\$ 0.00	\$ 4.5200	
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.73	\$ 0.00	\$ 1.7300	
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.14	\$ 2.48	\$ 0.00	\$ 2.6200	
CO EQPT - LOW CAP TERM	257C	\$ 2.88	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.8758	
CO EQPT - LOW CAP CHAN	257C	\$ 7.80	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 7.7982	
CO EQPT - HI CAP TERM	857C	\$ 0.71	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.7099	
CO EQPT - HI CAP CHAN	857C	\$ 1.20	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.2040	
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (FIBER)	822C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0250	
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
UNDERGROUND (FO) CA.	85C	\$ 0.06	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0611	
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
POLE LINE	1C	\$ 0.01	\$ 0.00	\$ 0.01	\$ 1.07	\$ 0.00	\$ 1.0863	
CONDUIT	4C	\$ 0.03	\$ 0.00	\$ 0.05	\$ 0.87	\$ 0.00	\$ 0.9499	
SPAN SUMMARY		\$ 14.15	\$ 0.00	\$ 0.22	\$ 10.65	\$ 2.40	\$ 27.41	
							\$ 27.41	

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C:\123R24\LCATR077\RESULTS1
OUTPUT - COST_REPORTS

Belcore (X)
LCAT
Release: 1.0.4
Issued: 7/31/95

LOOP COST ANALYSIS TOOL

COST MODEL - INVESTMENT BY ACCOUNT REPORTS

STUDY NAME: 1996 BAND 1 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 12001 FEET - INFIN

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	1	LAST SAVE
FR / DS	FLAT RATE	#BANDS	0	20-Jan-97
SVC LEVEL	NARBAND	#CKTS	1	13:44
CST METH	UN INCR	INV LEVEL	ANNCOST	TIME

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Your report is ready for viewing

PROPRIETARY - NOT FOR USE/DISCLOSURE OUTSIDE Belcore WITHOUT LICENSED PERMISSION

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()*+,-.
/:;=>?
@ABCDEFGHIJK
LMNOPQRSTU
VWXYZ[
^_`~!
"#\$%&'
()*+,-.
/:;=>?
@ABCDEFGHIJK
LMNOPQRSTU
VWXYZ[
^_`~!C:\123R24\LCATR077\RESULTS1
OUTPUT - WORKSHEET D
SHEET 1 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY**Bellcore**LCAT Rel: 1.0.4
Issued: 7/31/95COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 1 CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - BUSINESS LINE
TOTAL LOOP LENGTH: 15677 FEETSTUDY YR: 19
TEST CASE:
RUN DATE: 27-Jan-
TIME: 10:

Circuit Design Mix: 1.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

PLANT NAME	FEEDER	DISTRIBUTION NETWORK	TOTAL	WEIGHT
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE
EQPT				
PLANT CODE				
ITEM DESCRIPTION				
SHARED RESOURCES				
LAND	20C	\$ 0.03	\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.82	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.35	\$ 0.00	\$ 0.00
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00
DIRECT RESOURCES				
LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 2.40
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.27	\$ 0.02	\$ 4.50
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 1.73
UNDERGROUND (CU) CA.	5C	\$ 1.59	\$ 0.14	\$ 2.48
CO EQPT - LOW CAP TERM	257C	\$ 3.57	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 7.80	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00
POLE LINE	1C	\$ 0.06	\$ 0.01	\$ 1.07
CONDUIT	4C	\$ 0.56	\$ 0.05	\$ 0.87
SPAN SUMMARY				
		\$ 15.05	\$ 0.00	\$ 0.22
CIRCUIT DESIGN SUMMARY				
			\$ 10.65	\$ 2.40
			\$ 28.31	\$ 28.31

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C:\123R24\LCATR077\RESULTS1		LOOP COST ANALYSIS TOOL				Belcore	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
SHEET 2 of 10						Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 2 CDLC		STUDY YR: 1995			
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		TEST CASE:			
STATE / PROV: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE		DATE: 27-Jan-95			
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 15677 FEET		TIME: 10:0			
Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL	WEIGHTE
SEG. NAME		PRIMARY		EXTENSION		LOOP	TOTA
EQPT		SUB-		INTERFACE			LOC
PLANT	CODE						
ITEM DESCRIPTION							
SHARED RESOURCES							
8	LAND	20C				\$0	\$
9	BUILDING	10C				\$0	\$
10	BLDG ENTRANCE CABLE	12C				\$0	\$
11	INTRABLDG CABLE	52C				\$0	\$
12	AERIAL CABLE (COPPER)	22C				\$0	\$
13	BURIED CABLE (COPPER)	45C				\$0	\$
14	UNDERGROUND (CU) CA.	5C				\$0	\$
15	CO EQPT - LOW CAP TERM	257C				\$0	\$
16	CO EQPT - LOW CAP CHAN	257C				\$0	\$
17	CO EQPT - HI CAP TERM	857C				\$0	\$
18	CO EQPT - HI CAP CHAN	857C				\$0	\$
19	CO EQPT - ANALOG SW	77C				\$0	\$
20	CO EQPT - DIGITAL SW	377C				\$0	\$
21	AERIAL CABLE (FIBER)	822C				\$0	\$
22	BURIED CABLE (FIBER)	845C				\$0	\$
23	UNDERGROUND (FO) CA.	85C				\$0	\$
24	CONNECTORS	57C				\$0	\$
25	MISC. COM EQP & PWR	57C				\$0	\$
26	POLE LINE	1C				\$0	\$
27	CONDUIT	4C				\$0	\$
DIRECT RESOURCES							
30	LAND	20C				\$0	\$
31	BUILDING	10C				\$0	\$
32	BLDG ENTRANCE CABLE	12C				\$0	\$
33	INTRABLDG CABLE	52C				\$0	\$
34	AERIAL CABLE (COPPER)	22C				\$0	\$
35	BURIED CABLE (COPPER)	45C				\$0	\$
36	UNDERGROUND (CU) CA.	5C				\$0	\$
37	CO EQPT - P GAIN TERM	257C				\$0	\$
38	CO EQPT - P GAIN CHAN	257C				\$0	\$
39	CO EQPT - FO MUX TERM	857C				\$0	\$
40	CO EQPT - FO MUX CHAN	857C				\$0	\$
41	CO EQPT - ANALOG SW	77C				\$0	\$
42	CO EQPT - DIGITAL SW	377C				\$0	\$
43	AERIAL CABLE (FIBER)	822C				\$0	\$
44	BURIED CABLE (FIBER)	845C				\$0	\$
45	UNDERGROUND (FO) CA.	85C				\$0	\$
46	CONNECTORS	57C				\$0	\$
47	MISC. COM EQP & PWR	57C				\$0	\$
48	POLE LINE	1C				\$0	\$
49	CONDUIT	4C				\$0	\$
SPAN SUMMARY						\$0	\$
CIRCUIT DESIGN SUMMARY						\$0	\$

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A B C D E F G	LOOP COST ANALYSIS TOOL							Bellcore [®]	
	PROSPECTIVE INVESTMENT WORKSHEET SUMMARY							LCAT Rel: 1.0.4	
0	C:\123R24\LCATR077\RESULTS1							Issued: 7/31/95	
1	OUTPUT - WORKSHEET D							STUDY YR: 1996	
2	SHEET 3 of 10							TEST CASE: 1	
3	COMPANY: CINCINNATI BELL TEL							RUN DATE: 27-Jan-97	
4	CITY / AREA: CINCINNATI							TIME: 10:08	
5	STATE / PROV: OHIO								
6	JOB IDENT: CINCINNATI								
7	CIRCUIT DESIGN: MELDED								
8	LOOP SPAN DIVISION: ALL LOOP								
9	SERVICE CLASS: BAND 1 - BUSINESS LINE								
10	TOTAL LOOP LENGTH: 15677 FEET								
11	Technology Type Mix: 0.0000							TECHNOLOGY WEIGHTED	
12	UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							TOTAL LOOP	
13	PLANT NAME	FEEDER	DISTRIBUTION	NETWORK	INTERFACE	TOTAL	TOTAL		
14	SEG. NAME	PRIMARY	EXTENSION	SUB--		LOOP	LOOP		
15	EQPT								
16	CODE								
17	PLANT								
18	ITEM DESCRIPTION								
19	<u>SHARED RESOURCES</u>								
20	LAND	20C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.03	\$ 0.0000	
21	BUILDING	10C	\$ 0.82	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.82	\$ 0.0000	
22	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
23	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
24	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
25	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
26	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
27	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
28	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
29	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
30	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
31	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
32	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
33	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
34	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
35	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
36	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
37	MISC. COM EQP & PWR	57C	\$ 0.35	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.35	\$ 0.0000	
38	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
39	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
40	<u>DIRECT RESOURCES</u>								
41	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
42	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
43	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.40	\$ 0.0000	
44	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
45	AERIAL CABLE (COPPER)	22C	\$ 0.27	\$ 0.00	\$ 0.02	\$ 4.50	\$ 4.79	\$ 0.0000	
46	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.73	\$ 1.73	\$ 0.0000	
47	UNDERGROUND (CU) CA.	5C	\$ 1.59	\$ 0.00	\$ 0.14	\$ 2.48	\$ 4.21	\$ 0.0000	
48	CO EQPT - P GAIN TERM	257C	\$ 3.57	\$ 0.00	\$ 0.00	\$ 0.00	\$ 3.57	\$ 0.0000	
49	CO EQPT - P GAIN CHAN	257C	\$ 7.80	\$ 0.00	\$ 0.00	\$ 0.00	\$ 7.80	\$ 0.0000	
50	CO EQPT - FO MUX TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
51	CO EQPT - FO MUX CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
52	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
53	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
54	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
55	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
56	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
57	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
58	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
59	POLE LINE	1C	\$ 0.06	\$ 0.00	\$ 0.01	\$ 1.07	\$ 1.14	\$ 0.0000	
60	CONDUIT	4C	\$ 0.56	\$ 0.00	\$ 0.05	\$ 0.87	\$ 1.48	\$ 0.0000	
61	SPAN SUMMARY		\$ 15.05	\$ 0.00	\$ 0.22	\$ 10.65	\$ 28.31	\$ 0.00	
62	TECHNOLOGY DESIGN SUMMARY						\$ 28.31		

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A B C D E F G		LOOP COST ANALYSIS TOOL						Bellcore	
01		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY						LCAT Rel: 1.0.4	
02		COMPANY: CINCINNATI BELL TEL						Issued: 7/31/95	
03		CITY / AREA: CINCINNATI						STUDY YR: 1995	
04		STATE / PROV: OHIO						TEST CASE:	
05		JOB IDENT: CINCINNATI						RUN DATE: 27-Jan-95	
06		CIRCUIT DESIGN: 1 FOMUX						TIME: 10:00	
07		LOOP SPAN DIVISION: ALL LOOP SPANS							
08		SERVICE CLASS: BAND 1 - BUSINESS LINE							
09		TOTAL LOOP LENGTH: 15677 FEET							
10		Circuit Design Mix: 0.0000						UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY	
11		PLANT NAME	FEEDER	DISTRIBUTION	NETWORK	TOTAL	WEIGHTED		
12		SEG. NAME	PRIMARY	EXTENSION	SUB-	LOOP	TOTAL		
13		EQPT					LOC		
14		CODE							
15		PLANT							
16		ITEM DESCRIPTION							
17		<u>SHARED RESOURCES</u>							
18		LAND	20C			\$0	\$		
19		BUILDING	10C			\$0	\$		
20		BLDG ENTRANCE CABLE	12C			\$0	\$		
21		INTRABLDG CABLE	52C			\$0	\$		
22		AERIAL CABLE (COPPER)	22C			\$0	\$		
23		BURIED CABLE (COPPER)	45C			\$0	\$		
24		UNDERGROUND (CU) CA.	5C			\$0	\$		
25		CO EQPT - LOW CAP TERM	257C			\$0	\$		
26		CO EQPT - LOW CAP CHAN	257C			\$0	\$		
27		CO EQPT - HI CAP TERM	857C			\$0	\$		
28		CO EQPT - HI CAP CHAN	857C			\$0	\$		
29		CO EQPT - ANALOG SW	77C			\$0	\$		
30		CO EQPT - DIGITAL SW	377C			\$0	\$		
31		AERIAL CABLE (FIBER)	822C			\$0	\$		
32		BURIED CABLE (FIBER)	845C			\$0	\$		
33		UNDERGROUND (FO) CA.	85C			\$0	\$		
34		CONNECTORS	57C			\$0	\$		
35		MISC. COM EQP & PWR	57C			\$0	\$		
36		POLE LINE	1C			\$0	\$		
37		CONDUIT	4C			\$0	\$		
38		<u>DIRECT RESOURCES</u>							
39		LAND	20C			\$0	\$		
40		BUILDING	10C			\$0	\$		
41		BLDG ENTRANCE CABLE	12C			\$0	\$		
42		INTRABLDG CABLE	52C			\$0	\$		
43		AERIAL CABLE (COPPER)	22C			\$0	\$		
44		BURIED CABLE (COPPER)	45C			\$0	\$		
45		UNDERGROUND (CU) CA.	5C			\$0	\$		
46		CO EQPT - LOW CAP TERM	257C			\$0	\$		
47		CO EQPT - LOW CAP CHAN	257C			\$0	\$		
48		CO EQPT - HI CAP TERM	857C			\$0	\$		
49		CO EQPT - HI CAP CHAN	857C			\$0	\$		
50		CO EQPT - ANALOG SW	77C			\$0	\$		
51		CO EQPT - DIGITAL SW	377C			\$0	\$		
52		AERIAL CABLE (FIBER)	822C			\$0	\$		
53		BURIED CABLE (FIBER)	845C			\$0	\$		
54		UNDERGROUND (FO) CA.	85C			\$0	\$		
55		CONNECTORS	57C			\$0	\$		
56		MISC. COM EQP & PWR	57C			\$0	\$		
57		POLE LINE	1C			\$0	\$		
58		CONDUIT	4C			\$0	\$		
59		SPAN SUMMARY				\$0	\$0	\$0	
60						\$0	\$0	\$0	
61						\$0	\$0	\$0	
62						\$0	\$0	\$0	
63						\$0	\$0	\$0	
64						\$0	\$0	\$0	
65						\$0	\$0	\$0	
66						\$0	\$0	\$0	
67						\$0	\$0	\$0	
68						\$0	\$0	\$0	
69						\$0	\$0	\$0	
70						\$0	\$0	\$0	
71						\$0	\$0	\$0	
72						\$0	\$0	\$0	
73						\$0	\$0	\$0	
74						\$0	\$0	\$0	
75						\$0	\$0	\$0	
76						\$0	\$0	\$0	
77						\$0	\$0	\$0	
78						\$0	\$0	\$0	
79						\$0	\$0	\$0	
80						\$0	\$0	\$0	
81						\$0	\$0	\$0	
82						\$0	\$0	\$0	
83						\$0	\$0	\$0	
84						\$0	\$0	\$0	
85						\$0	\$0	\$0	
86						\$0	\$0	\$0	
87						\$0	\$0	\$0	
88						\$0	\$0	\$0	
89						\$0	\$0	\$0	
90						\$0	\$0	\$0	
91						\$0	\$0	\$0	
92						\$0	\$0	\$0	
93						\$0	\$0	\$0	
94						\$0	\$0	\$0	
95						\$0	\$0	\$0	
96						\$0	\$0	\$0	
97						\$0	\$0	\$0	
98						\$0	\$0	\$0	
99						\$0	\$0	\$0	
100						\$0	\$0	\$0	

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GC:\123R24\LCATR077\RESULTS1
OUTPUT - WORKSHEET D
SHEET 5 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:06COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 2 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - BUSINESS LINE
TOTAL LOOP LENGTH: 15577 FEET

Circuit Design Mix : 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY						
	PLANT NAME	FEEDER	DISTRIBUTION NETWORK			TOTAL	WEIGHTED	
	SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	TOTAL	
	EQPT						LOOP	
	PLANT							
	CODE							
	ITEM DESCRIPTION							
7	<u>SHARED RESOURCES</u>							
8	LAND	20C				\$0	\$0	
9	BUILDING	10C				\$0	\$0	
10	BLDG ENTRANCE CABLE	12C				\$0	\$0	
11	INTRABLDG CABLE	52C				\$0	\$0	
12	AERIAL CABLE (COPPER)	22C				\$0	\$0	
13	BURIED CABLE (COPPER)	45C				\$0	\$0	
14	UNDERGROUND (CU) CA.	5C				\$0	\$0	
15	CO EQPT - LOW CAP TERM	257C				\$0	\$0	
16	CO EQPT - LOW CAP CHAN	257C				\$0	\$0	
17	CO EQPT - HI CAP TERM	857C				\$0	\$0	
18	CO EQPT - HI CAP CHAN	857C				\$0	\$0	
19	CO EQPT - ANALOG SW	77C				\$0	\$0	
20	CO EQPT - DIGITAL SW	377C				\$0	\$0	
21	AERIAL CABLE (FIBER)	822C				\$0	\$0	
22	BURIED CABLE (FIBER)	845C				\$0	\$0	
23	UNDERGROUND (FO) CA.	85C				\$0	\$0	
24	CONNECTORS	57C				\$0	\$0	
25	MISC. COM EQP & PWR	57C				\$0	\$0	
26	POLE LINE	1C				\$0	\$0	
27	CONDUIT	4C				\$0	\$0	
28								
29	<u>DIRECT RESOURCES</u>							
30	LAND	20C				\$0	\$0	
31	BUILDING	10C				\$0	\$0	
32	BLDG ENTRANCE CABLE	12C				\$0	\$0	
33	INTRABLDG CABLE	52C				\$0	\$0	
34	AERIAL CABLE (COPPER)	22C				\$0	\$0	
35	BURIED CABLE (COPPER)	45C				\$0	\$0	
36	UNDERGROUND (CU) CA.	5C				\$0	\$0	
37	CO EQPT - LOW CAP TERM	257C				\$0	\$0	
38	CO EQPT - LOW CAP CHAN	257C				\$0	\$0	
39	CO EQPT - HI CAP TERM	857C				\$0	\$0	
40	CO EQPT - HI CAP CHAN	857C				\$0	\$0	
41	CO EQPT - ANALOG SW	77C				\$0	\$0	
42	CO EQPT - DIGITAL SW	377C				\$0	\$0	
43	AERIAL CABLE (FIBER)	822C				\$0	\$0	
44	BURIED CABLE (FIBER)	845C				\$0	\$0	
45	UNDERGROUND (FO) CA.	85C				\$0	\$0	
46	CONNECTORS	57C				\$0	\$0	
47	MISC. COM EQP & PWR	57C				\$0	\$0	
48	POLE LINE	1C				\$0	\$0	
49	CONDUIT	4C				\$0	\$0	
50								
51	SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0	
52								
53						\$0		
54								
55								

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GC:\123R24\LCATR077\RESULTS1
OUTPUT - WORKSHEET D
SHEET 6 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore

LCAT Ref: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:08COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 3 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - BUSINESS LINE
TOTAL LOOP LENGTH: 15677 FEET

Circuit Design Mix: T.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TOTAL LOOP	WEIGHTED TOTAL LOOP
PLANT NAME	SEG. NAME	PRIMARY	EXTENSION	SUB-	DISTRIBUTION NETWORK	INTERFACE		
PLANT	EQPT CODE							
ITEM DESCRIPTION								
SHARED RESOURCES								
LAND	20C	\$ 0.03		\$ 0.00	\$ 0.00		\$ 0.03	\$ 0.03
BUILDING	10C	\$ 0.97		\$ 0.00	\$ 0.00		\$ 0.97	\$ 0.97
BLDG ENTRANCE CABLE	12C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
BURIED CABLE (COPPER)	45C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
UNDERGROUND (CU) CA.	5C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CO EQPT - LOW CAP TERM	257C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.43		\$ 0.00	\$ 0.00		\$ 0.43	\$ 0.43
POLE LINE	1C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CONDUIT	4C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
DIRECT RESOURCES								
LAND	20C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.40	\$ 2.40
INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00		\$ 0.02	\$ 4.50		\$ 4.52	\$ 4.52
BURIED CABLE (COPPER)	45C	\$ 0.00		\$ 0.00	\$ 1.73		\$ 1.73	\$ 1.73
UNDERGROUND (CU) CA.	5C	\$ 0.00		\$ 0.14	\$ 2.48		\$ 2.62	\$ 2.62
CO EQPT - LOW CAP TERM	257C	\$ 2.88		\$ 0.00	\$ 0.00		\$ 2.88	\$ 2.88
CO EQPT - LOW CAP CHAN	257C	\$ 7.80		\$ 0.00	\$ 0.00		\$ 7.80	\$ 7.80
CO EQPT - HI CAP TERM	857C	\$ 0.71		\$ 0.00	\$ 0.00		\$ 0.71	\$ 0.71
CO EQPT - HI CAP CHAN	857C	\$ 1.20		\$ 0.00	\$ 0.00		\$ 1.20	\$ 1.20
CO EQPT - ANALOG SW	77C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.03		\$ 0.00	\$ 0.00		\$ 0.03	\$ 0.03
BURIED CABLE (FIBER)	845C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.06		\$ 0.00	\$ 0.00		\$ 0.06	\$ 0.06
CONNECTORS	57C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.00		\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00
POLE LINE	1C	\$ 0.01		\$ 0.01	\$ 1.07		\$ 1.09	\$ 1.09
CONDUIT	4C	\$ 0.03		\$ 0.05	\$ 0.87		\$ 0.95	\$ 0.95
SPAN SUMMARY		\$ 14.15	\$ 0.00	\$ 0.22	\$ 10.65	\$ 2.40	\$ 27.41	\$ 27.41
							\$ 27.41	

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A B C D E F G		LOOP COST ANALYSIS TOOL										Bellcore	
		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Rel: 1.0.4	
		C:\123R24\LCATR077\RESULTS1										Issued: 7/31/95	
		OUTPUT - WORKSHEET D										STUDY YR: 199	
		SHEET 7 of 10										TEST CASE:	
		COMPANY: CINCINNATI BELL TEL					CIRCUIT DESIGN: 4 FOMUX					RUN DATE: 27-Jan-9	
		CITY / AREA: CINCINNATI					LOOP SPAN DIVISION: ALL LOOP SPANS					TIME: 10:0	
		STATE / PROV: OHIO					SERVICE CLASS: BAND 1 - BUSINESS LINE						
		JOB IDENT: CINCINNATI					TOTAL LOOP LENGTH: 15677 FEET						
0		Circuit Design Mix: 0.0000										UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY	
1		PLANT NAME										FEEDER	
2		SEG. NAME										DISTRIBUTION NETWORK	
3		EQPT										INTERFACE	
4		CODE										TOTAL LOOP	
5		PLANT										WEIGHTS	
6		ITEM DESCRIPTION										TOTAL LOC	
7		<u>SHARED RESOURCES</u>											
8		LAND	20C								\$0	\$	
9		BUILDING	10C								\$0	\$	
10		BLDG ENTRANCE CABLE	12C								\$0	\$	
11		INTRABLDG CABLE	52C								\$0	\$	
12		AERIAL CABLE (COPPER)	22C								\$0	\$	
13		BURIED CABLE (COPPER)	45C								\$0	\$	
14		UNDERGROUND (CU) CA.	5C								\$0	\$	
15		CO EQPT - LOW CAP TERM	257C								\$0	\$	
16		CO EQPT - LOW CAP CHAN	257C								\$0	\$	
17		CO EQPT - HI CAP TERM	857C								\$0	\$	
18		CO EQPT - HI CAP CHAN	857C								\$0	\$	
19		CO EQPT - ANALOG SW	77C								\$0	\$	
20		CO EQPT - DIGITAL SW	377C								\$0	\$	
21		AERIAL CABLE (FIBER)	822C								\$0	\$	
22		BURIED CABLE (FIBER)	845C								\$0	\$	
23		UNDERGROUND (FO) CA.	85C								\$0	\$	
24		CONNECTORS	57C								\$0	\$	
25		MISC. COM EQP & PWR	57C								\$0	\$	
26		POLE LINE	1C								\$0	\$	
27		CONDUIT	4C								\$0	\$	
28													
29		<u>DIRECT RESOURCES</u>											
30		LAND	20C								\$0	\$	
31		BUILDING	10C								\$0	\$	
32		BLDG ENTRANCE CABLE	12C								\$0	\$	
33		INTRABLDG CABLE	52C								\$0	\$	
34		AERIAL CABLE (COPPER)	22C								\$0	\$	
35		BURIED CABLE (COPPER)	45C								\$0	\$	
36		UNDERGROUND (CU) CA.	5C								\$0	\$	
37		CO EQPT - LOW CAP TERM	257C								\$0	\$	
38		CO EQPT - LOW CAP CHAN	257C								\$0	\$	
39		CO EQPT - HI CAP TERM	857C								\$0	\$	
40		CO EQPT - HI CAP CHAN	857C								\$0	\$	
41		CO EQPT - ANALOG SW	77C								\$0	\$	
42		CO EQPT - DIGITAL SW	377C								\$0	\$	
43		AERIAL CABLE (FIBER)	822C								\$0	\$	
44		BURIED CABLE (FIBER)	845C								\$0	\$	
45		UNDERGROUND (FO) CA.	85C								\$0	\$	
46		CONNECTORS	57C								\$0	\$	
47		MISC. COM EQP & PWR	57C								\$0	\$	
48		POLE LINE	1C								\$0	\$	
49		CONDUIT	4C								\$0	\$	
50													
51		SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	
52													
53													
54													
55													

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A B C D E F G		LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										Bellcore	
0		CK123R24(LCATR077)RESULTS1 OUTPUT - WORKSHEET D SHEET 8 of 10										LCAT Ref: 1.0.4 Issued: 7/31/95	
1		COMPANY: CINCINNATI BELL TEL					CIRCUIT DESIGN: 5 FOMUX					STUDY YR: 199	
2		CITY / AREA: CINCINNATI					LOOP SPAN DIVISION: ALL LOOP SPANS					TEST CASE:	
3		STATE / PROV: OHIO					SERVICE CLASS: BAND 1 - BUSINESS LINE					RUN DATE: 27-Jan-9	
4		JOB IDENT: CINCINNATI					TOTAL LOOP LENGTH: 15677 FEET					TIME: 10:0	
5		Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY										WEIGHTED	
6		PLANT NAME --- FEEDER --- DISTRIBUTION NETWORK										TOTAL	
7		SEG. NAME PRIMARY EXTENSION SUB- INTERFACE										LOOP	
8		EQPT CODE										LOC	
9		PLANT											
10		ITEM DESCRIPTION											
11		<u>SHARED RESOURCES</u>											
12		LAND	20C									\$0	\$
13		BUILDING	10C									\$0	\$
14		BLDG ENTRANCE CABLE	12C									\$0	\$
15		INTRABLDG CABLE	52C									\$0	\$
16		AERIAL CABLE (COPPER)	22C									\$0	\$
17		BURIED CABLE (COPPER)	45C									\$0	\$
18		UNDERGROUND (CU) CA.	5C									\$0	\$
19		CO EQPT - LOW CAP TERM	257C									\$0	\$
20		CO EQPT - LOW CAP CHAN	257C									\$0	\$
21		CO EQPT - HI CAP TERM	857C									\$0	\$
22		CO EQPT - HI CAP CHAN	857C									\$0	\$
23		CO EQPT - ANALOG SW	77C									\$0	\$
24		CO EQPT - DIGITAL SW	377C									\$0	\$
25		AERIAL CABLE (FIBER)	822C									\$0	\$
26		BURIED CABLE (FIBER)	845C									\$0	\$
27		UNDERGROUND (FO) CA.	85C									\$0	\$
28		CONNECTORS	57C									\$0	\$
29		MISC. COM EQP & PWR	57C									\$0	\$
30		POLE LINE	1C									\$0	\$
31		CONDUIT	4C									\$0	\$
32													
33		<u>DIRECT RESOURCES</u>											
34		LAND	20C									\$0	\$
35		BUILDING	10C									\$0	\$
36		BLDG ENTRANCE CABLE	12C									\$0	\$
37		INTRABLDG CABLE	52C									\$0	\$
38		AERIAL CABLE (COPPER)	22C									\$0	\$
39		BURIED CABLE (COPPER)	45C									\$0	\$
40		UNDERGROUND (CU) CA.	5C									\$0	\$
41		CO EQPT - LOW CAP TERM	257C									\$0	\$
42		CO EQPT - LOW CAP CHAN	257C									\$0	\$
43		CO EQPT - HI CAP TERM	857C									\$0	\$
44		CO EQPT - HI CAP CHAN	857C									\$0	\$
45		CO EQPT - ANALOG SW	77C									\$0	\$
46		CO EQPT - DIGITAL SW	377C									\$0	\$
47		AERIAL CABLE (FIBER)	822C									\$0	\$
48		BURIED CABLE (FIBER)	845C									\$0	\$
49		UNDERGROUND (FO) CA.	85C									\$0	\$
50		CONNECTORS	57C									\$0	\$
51		MISC. COM EQP & PWR	57C									\$0	\$
52		POLE LINE	1C									\$0	\$
53		CONDUIT	4C									\$0	\$
54													
55		SPAN SUMMARY										\$0	\$

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C:\123R24\LCATR077\RESULTS1		LOOP COST ANALYSIS TOOL					Belcore		
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY					LCAT Rel: 1.0.4		
SHEET 9 of 10							Issued: 7/31/95		
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 6 FOMUX					STUDY YR: 1995		
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS					TEST CASE:		
STATE / PROV: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE					RUN DATE: 27-Jan-95		
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 15677 FEET					TIME: 10:00		
Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED		
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL		TOT/	
SEG. NAME		PRIMARY		EXTENSION		SUB-		LOC	
EQPT									
PLANT									
CODE									
ITEM DESCRIPTION									
<u>SHARED RESOURCES</u>									
LAND		20C						\$0	
BUILDING		10C						\$0	
BLDG ENTRANCE CABLE		12C						\$0	
INTRABLDG CABLE		52C						\$0	
AERIAL CABLE (COPPER)		22C						\$0	
BURIED CABLE (COPPER)		45C						\$0	
UNDERGROUND (CU) CA.		5C						\$0	
CO EQPT - LOW CAP TERM		257C						\$0	
CO EQPT - LOW CAP CHAN		257C						\$0	
CO EQPT - HI CAP TERM		857C						\$0	
CO EQPT - HI CAP CHAN		857C						\$0	
CO EQPT - ANALOG SW		77C						\$0	
CO EQPT - DIGITAL SW		377C						\$0	
AERIAL CABLE (FIBER)		822C						\$0	
BURIED CABLE (FIBER)		845C						\$0	
UNDERGROUND (FO) CA.		85C						\$0	
CONNECTORS		57C						\$0	
MISC. COM EQP & PWR		57C						\$0	
POLE LINE		1C						\$0	
CONDUIT		4C						\$0	
<u>DIRECT RESOURCES</u>									
LAND		20C						\$0	
BUILDING		10C						\$0	
BLDG ENTRANCE CABLE		12C						\$0	
INTRABLDG CABLE		52C						\$0	
AERIAL CABLE (COPPER)		22C						\$0	
BURIED CABLE (COPPER)		45C						\$0	
UNDERGROUND (CU) CA.		5C						\$0	
CO EQPT - LOW CAP TERM		257C						\$0	
CO EQPT - LOW CAP CHAN		257C						\$0	
CO EQPT - HI CAP TERM		857C						\$0	
CO EQPT - HI CAP CHAN		857C						\$0	
CO EQPT - ANALOG SW		77C						\$0	
CO EQPT - DIGITAL SW		377C						\$0	
AERIAL CABLE (FIBER)		822C						\$0	
BURIED CABLE (FIBER)		845C						\$0	
UNDERGROUND (FO) CA.		85C						\$0	
CONNECTORS		57C						\$0	
MISC. COM EQP & PWR		57C						\$0	
POLE LINE		1C						\$0	
CONDUIT		4C						\$0	
SPAN SUMMARY		\$0		\$0		\$0		\$0	
								\$0	

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C:\123R24\LCATCALC\DIST

Belcore (R)

RUN - DIST PLNT

LCAT

LAST UPDATE

27-Jan-97

09:26

LOOP COST ANALYSIS TOOL

Release: 1.0.4

Issued: 8/31/95

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 1 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 12001

CURRENT TEST PLAN :

CURRENT JOB IDENT: CINCINNATI

BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS	0
SVC LEVEL	NARBAND	#CKTS	1
CST METH	UN INCR	INV LEVEL	ANN COST

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CA123R24\LCAT\CALC.DIST
DIST_PLNT - WORKSHEET A
Sheet 1 of 3

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET

Belcore (P)
LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1998
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:03

SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: (DISTRIBUTION PLANT (NON-DLC, NON-COLLOC))
COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
SERVICE CLASS: BAND 1 - BUSINESS LINE

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM - TABLE 2 - RELATIVE MIX OF TYPE OF CA. PLANT	LENGTH SUBSET BY TYPE OF PLANT	FROM - TABLE 4 - CABLE INVESTMENT PER PAIR FOOT	CABLE INVESTMENT PER PAIR	(NOTE 4) WEIGHTED TERMINAL INVESTMENT	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR	(NOTE 4) WEIGHTED DROP WIRE INVESTMENT
		[B]	[C=A*B]	[D]	[E=C*D]		[F=E*fcfr]	[F=E*fcfr]	
2046.0	AERIAL	0.590000	1207.1	0.039700	47.92		0.00	0.00	
CONSIDERS: MELDED COPPER CABLE	BURIED	0.160000	327.4	0.065700	21.51		0.00	0.00	
	UNDERGRND	0.250000	511.5	0.056900	29.10		0.00	0.00	
Check =		1.000000	2046.0						
OUTSIDE PLANT LOADINGS		(NOTE 4)							
DROP WIRE ADJUSTMENT:		AIR DRYER LOADINGS:							
AERIAL CA. =	0.0000	AERIAL CA. =	0.0000						
BURIED CA. =	0.0000	BURIED CA. =	0.0000						
UNDERGRND =	0.0000	UNDERGRND =	0.0000						
OTHER INVESTMENT									
		inv / unit lgth:	inv rlin fcfr:						
POLE LINE FACTOR (PLF) =	0.0000	0.2530							
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =	\$ 34.64								
UG CONDUIT FACTOR (UCF) =	0.0000	0.5165							
CONDUIT INVESTMENT (UTIL UNDGRND INVST x UCF) =	\$ 42.95								
FOOTNOTES									
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.									
NOTE 2: TABLE 4 & 6 DEVELOPMENT SHOWN ON WORKSHEET A.									
NOTE 3: DESIGN AT THIS DISTANCE HAS NO LOAD COILS; THEREFORE, TERMINAL INVESTMENT IS ZERO									
NOTE 4: BY FCC MANDATE, THIS INVESTMENT IS INCORPORATED INTO THE APPROPRIATE CABLE ACCOUNT (SEE BUILDING AND TERMINATING INVESTMENT WORKSHEET)									

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1.0000
1.0000
1.0000
1.0000

\$ 35
\$ 45

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\$0

CA123R24\LCATCALC.DIST			LOOP COST ANALYSIS TOOL						Bellcore (R)	
DIST. PLNT - WORKSHEET A			PROSPECTIVE AND ANNUAL COSTS WORKSHEET						LCAT Release: 1.0.4	
Sheet 3 of 3			SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL						Issue Date: 8/31/95	
COMPANY: CINCINNATI BELL TEL.			FACILITY TYPE: COPPER CABLE						STUDY YEAR: 1996	
CITY / AREA: CINCINNATI			CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-COLLOC)						TEST CASE: 1	
STATE / PROV: OHIO			SERVICE CLASS: BAND 1 - BUSINESS LINE						RUN DATE: 27-Jan-97	
									TIME: 10:03	
PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT		
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]	
LAND	20C	1.0000			0.2232					
BUILDING	10C	1.0000			0.2847					
BLDG ENTRANCE CABLE	12C	1.0000			0.3832					
INTRABLDG CABLE	52C	1.0000			0.3832					
AERIAL CABLE (COPPER)	22C	1.0000		\$ 137	0.3943		\$ 53.99		\$ 4.50	
BURIED CABLE (COPPER)	45C	1.0000		\$ 61	0.3377		\$ 20.75		\$ 1.73	
UNDERGROUND (CU) CA.	5C	1.0000		\$ 83	0.3573		\$ 29.71		\$ 2.48	
CO EQPT - P GAIN TERM	257C	1.0000			0.3791					
CO EQPT - P GAIN CHAN	257C	1.0000			0.3791					
CO EQPT - FO MUX TERM	857C	1.0000			0.3791					
CO EQPT - FO MUX CHAN	857C	1.0000			0.3791					
CO EQPT - ANALOG SW	77C	1.0000			0.0000					
CO EQPT - DIGITAL SW	377C	1.0000			0.3368					
AERIAL CABLE (FIBER)	822C	1.0000			0.2893					
BURIED CABLE (FIBER)	845C	1.0000			0.2634					
UNDERGROUND (FO) CA.	85C	1.0000			0.2599					
CONNECTORS	57C	1.0000			0.3791					
MISC. COM EQP & PWR	57C	1.0000			0.3791					
POLE LINE	1C	1.0000		\$ 35	0.3717		\$ 12.88		\$ 1.07	
CONDUIT	4C	1.0000		\$ 43	0.2431		\$ 14.44		\$ 0.87	
TOTALS			\$ 0 \$ 359			\$ 0.00 \$ 127.77		\$ 0.00 \$ 10.85		
			distshrinv distdirinv			distann		distmrc		

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FOOTNOTES
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION, THUS, THIS COLUMN MAY BE PRESENTED FOR CONSISTENCY ONLY.

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C:\123R24\LCAT\CALC\DIST
DIST_PLANT - WORKSHEET B
Sheet 1 of 3

LOOP COST ANALYSIS TOOL **BASIC INVESTMENT WORKSHEET**

Bellcore (R)

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 1 - BUSINESS LINE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:03

TYPE OF PLANT ITEM	UNIT PLANT INVEST. [A]	PROB. OF OCCURANCE [B]	WEIGHTED TERMINAL INVESTMENT [C=A*B]
INTRABLDG CABLE	\$ 0.00	0.0000	\$ 0.00
BLDG ENTRANCE CABLE	\$ 75.00	1.0000	\$ 75.00
AERIAL TERMINAL	\$ 0.00	0.0000	\$ 0.00
BURIED TERMINAL	\$ 0.00	0.0000	\$ 0.00
AERIAL DROP WIRE	\$ 0.00	0.0000	\$ 0.00
BURIED DROP WIRE	\$ 0.00	0.0000	\$ 0.00
COAXIAL DROP	\$ 0.00	0.0000	\$ 0.00

POLE LINE FACTOR (PLF) =

from length: 0.0000
from invest: 0.2530

POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) = \$ 0.00

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FOOTNOTES

NOTE 1: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED.

NOTE 2: THIS DATA IS USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN INVESTMENT AND MONTHLY COSTS

LOOP COST ANALYSIS TOOL										Bellcore (R)	
ACCOUNT INVESTMENT WORKSHEET										LCAT	
COMPANY: CINCINNATI BELL TEL.										Release: 1.0.4	
CITY / AREA: CINCINNATI										STUDY YR: 1996	
STATE / PROV: OHIO										TEST CASE: 1	
FACILITY TYPE: COPPER CABLE										RUN DATE: 27-Jan-97	
CIRCUIT SEGMENT: SERVICE ACCESS										TIME: 10:53	
SERVICE CLASS: BAND 1 - BUSINESS LINE											
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE	1996 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]		
LAND	20C	F	SHARED				1.0000				
BUILDING	10C	F	SHARED				1.0000				
BLDG ENTRANCE CABLE	12C	V	DIRECT	75.00	1		\$ 75	1.0000		\$ 75	
INTRABLDG CABLE	52C	V	DIRECT	0.00	-		0.3500				
AERIAL CABLE (COPPER)	22C	V	DIRECT	0.00			0.3500				
BURIED CABLE (COPPER)	45C	V	DIRECT	0.00			0.3500				
UNDERGROUND (CU) CA.	5C	V	DIRECT				0.3500				
CO EQPT - P GAIN TERM	257C	F	DIRECT				0.7000				
CO EQPT - P GAIN CHAN	257C	V	DIRECT				0.7000				
CO EQPT - FO MUX TERM	857C	F	DIRECT				1.0000				
CO EQPT - FO MUX CHAN	857C	F	DIRECT				1.0000				
CO EQPT - ANALOG SW	77C	V	DIRECT				1.0000				
CO EQPT - DIGITAL SW	377C	V	DIRECT				1.0000				
AERIAL CABLE (FIBER)	822C	F	DIRECT				0.0000				
BURIED CABLE (FIBER)	845C	F	DIRECT				0.0000				
UNDERGROUND (FO) CA.	85C	F	DIRECT				0.0000				
CONNECTORS	57C	V	DIRECT				1.0000				
MISC. COM EQP & PWR	57C	V	SHARED				1.0000				
POLE LINE	1C	F	DIRECT	0.00			1.0000				
CONDUIT	4C	F	DIRECT				1.0000				
										\$ 0	\$ 75
										\$ 75	
											btctivty

FOOTNOTES

NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F(F') AND H(H') ARE CAUSED BY COMPUTER ROUNDING.

NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.

AERIAL CABLE - TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC;

CO EQPT - ESS = CONNECTORS + MISC. CP&E.

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CA123R24\LCAT\CALC\DIST DIST. PLNT - WORKSHEET B Sheet 3 of 3			LOOP COST ANALYSIS TOOL PROSPECTIVE AND ANNUAL COSTS WORKSHEET						Bellcore® LCAT Release: 1.0.4 STUDY YR: 1996 TEST CASE: 1 RUN DATE: 27-Jan-97 TIME: 10:03	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO			FACILITY TYPE: COPPER CABLE CIRCUIT SEGMENT: SERVICE ACCESS SERVICE CLASS: BAND 1 - BUSINESS LINE							
PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT		
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]	
LAND	20C	1.0000			0.2232					
BUILDING	10C	1.0000			0.2847					
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3832		\$ 28.74		\$ 2.40	
INTRABLDG CABLE	52C	1.0000			0.3832					
AERIAL CABLE (COPPER)	22C	1.0000			0.3943					
BURIED CABLE (COPPER)	45C	1.0000			0.3377					
UNDERGROUND (CU) CA.	5C	1.0000			0.3573					
CO EQPT - P GAIN TERM	257C	1.0000			0.3791					
CO EQPT - P GAIN CHAN	257C	1.0000			0.3791					
CO EQPT - FO MUX TERM	857C	1.0000			0.3791					
CO EQPT - FO MUX CHAN	857C	1.0000			0.3791					
CO EQPT - ANALOG SW	77C	1.0000			0.0000					
CO EQPT - DIGITAL SW	377C	1.0000			0.3358					
AERIAL CABLE (FIBER)	822C	1.0000			0.2893					
BURIED CABLE (FIBER)	845C	1.0000			0.2634					
UNDERGROUND (FO) CA.	85C	1.0000			0.2599					
CONNECTORS	57C	1.0000			0.3791					
MISC. COM EQP & PWR	57C	1.0000			0.3791					
POLE LINE	1C	1.0000			0.3717					
CONDUIT	4C	1.0000			0.2437					
TOTALS			\$ 0	\$ 75		\$ 0.00	\$ 28.74	\$ 0.00	\$ 2.40	

bctshrinv bctdirinv bctinvsv bctarn bctmrc
 =====
 \$ 0 \$ 75 \$ 0.00 \$ 28.74 \$ 0.00
 \$ 75 \$ 28.74 \$ 2.40

FOOTNOTES
 NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
 NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION.
 THUS, THIS COLUMN MAY BE PRESENTED FOR CONSISTENCY ONLY.

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CR123R24\LCAT\CALC\DIST
DIST_PLNT - WORKSHEET B
Sheet 1 of 3

LOOP COST ANALYSIS TOOL BASIC INVESTMENT WORKSHEET

Bellcore (R)

LCAT

Release: 1.0.4

1996

STUDY YR:

TEST CASE:

RUN DATE:

TIME:

27-Jan-97

10:03

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 1 - BUSINESS LINE

TYPE OF PLANT ITEM	UNIT PLANT INVEST. [A]	PROB. OF OCCURANCE [B]	WEIGHTED TERMINAL INVESTMENT [C=A*B]
INTRABLDG CABLE	\$ 0.00	0.0000	\$ 0.00
BLDG ENTRANCE CABLE	\$ 75.00	1.0000	\$ 75.00
AERIAL TERMINAL	\$ 0.00	0.0000	\$ 0.00
BURIED TERMINAL	\$ 0.00	0.0000	\$ 0.00
AERIAL DROP WIRE	\$ 0.00	0.0000	\$ 0.00
BURIED DROP WIRE	\$ 0.00	0.0000	\$ 0.00
COAXIAL DROP	\$ 0.00	0.0000	\$ 0.00

POLE LINE FACTOR (PLF) =

from length: 0.0000

from invest: 0.2530

POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =

\$ 0.00

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FOOTNOTES

NOTE 1: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED.

NOTE 2: THIS DATA IS USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN INVESTMENT AND MONTHLY COSTS

LOOP COST ANALYSIS TOOL										Bellcore (R)	
ACCOUNT INVESTMENT WORKSHEET										LCAT	
COMPANY: CINCINNATI BELL TEL.										Release: 1.0.4	
CITY / AREA: CINCINNATI										STUDY YR: 1996	
STATE / PROV: OHIO										TEST CASE: 1	
FACILITY TYPE: COPPER CABLE										RUN DATE: 27-Jan-97	
CIRCUIT SEGMENT: SERVICE ACCESS										TIME: 10:03	
SERVICE CLASS: BAND 1 - BUSINESS LINE											
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE	1996 UNIT INVESTMENT BY ACCUNT	COST EQUATION	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION	ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	SHARED RESOURCES	DIRECT RESOURCES	
		VARI ALLOCATION		[F]	[G]	[H=F*G]	[H'=F'*G]	[J]	[K=H/J]	[K'=H'/J]	
LAND	20C	F SHARED					1.0000				
BUILDING	10C	F SHARED					1.0000				
BLDG ENTRANCE CABLE	12C	V DIRECT		75.00	1		\$ 75	1.0000		\$ 75	
INTRABLDG CABLE	52C	V DIRECT		0.00			0.3500				
AERIAL CABLE (COPPER)	22C	V DIRECT		0.00			0.3500				
BURIED CABLE (COPPER)	45C	V DIRECT		0.00			0.3500				
UNDERGROUND (CU) CA.	5C	V DIRECT					0.3500				
CO EQPT - P GAIN TERM	257C	F DIRECT					0.7000				
CO EQPT - P GAIN CHAN	257C	V DIRECT					0.7000				
CO EQPT - FO MUX TERM	857C	F DIRECT					1.0000				
CO EQPT - FO MUX CHAN	857C	F DIRECT					1.0000				
CO EQPT - ANALOG SW	77C	V DIRECT					1.0000				
CO EQPT - DIGITAL SW	377C	V DIRECT					1.0000				
AERIAL CABLE (FIBER)	822C	F DIRECT					0.0000				
BURIED CABLE (FIBER)	845C	F DIRECT					0.0000				
UNDERGROUND (FO) CA.	85C	F DIRECT					0.0000				
CONNECTORS	57C	V DIRECT					1.0000				
MISC. COM EQP & PWR	57C	V SHARED					1.0000				
POLE LINE	1C	F DIRECT		0.00			1.0000				
CONDUIT	4C	F DIRECT					1.0000				
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----- \$ 0 \$ 75 \$ 75 bottomly											
FOOTNOTES NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F(F) AND H(H') ARE CAUSED BY COMPUTER ROUNDING. NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY. AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC; CO EQPT - ESS = CONNECTORS + MISC. CP&E.											

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LOOP COST ANALYSIS TOOL										Belcore [®]	
PROSPECTIVE AND ANNUAL COSTS WORKSHEET										LCAT	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO										Release: 1.0.4	
FACILITY TYPE: COPPER CABLE CIRCUIT SEGMENT: SERVICE ACCESS										STUDY YR: 1996	
SERVICE CLASS: BAND 1 - BUSINESS LINE										TEST CASE: 1	
										RUN DATE: 27-Jan-97	
										TIME: 10:03	
PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT			
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]		
LAND	20C	1.0000			0.2232						
BUILDING	10C	1.0000			0.2847						
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3832		\$ 28.74		\$ 2.40		
INTRABLDG CABLE	52C	1.0000			0.3832						
AERIAL CABLE (COPPER)	22C	1.0000			0.3943						
BURIED CABLE (COPPER)	45C	1.0000			0.3377						
UNDERGROUND (CU) CA.	5C	1.0000			0.3573						
CO EQPT - P GAIN TERM	257C	1.0000			0.3791						
CO EQPT - P GAIN CHAN	257C	1.0000			0.3791						
CO EQPT - FO MUX TERM	857C	1.0000			0.3791						
CO EQPT - FO MUX CHAN	857C	1.0000			0.3791						
CO EQPT - ANALOG SW	77C	1.0000			0.0000						
CO EQPT - DIGITAL SW	377C	1.0000			0.3368						
AERIAL CABLE (FIBER)	822C	1.0000			0.2893						
BURIED CABLE (FIBER)	845C	1.0000			0.2634						
UNDERGROUND (FO) CA.	85C	1.0000			0.2599						
CONNECTORS	57C	1.0000			0.3791						
MISC. COM EQP & PWR	57C	1.0000			0.3791						
POLE LINE	1C	1.0000			0.3717						
CONDUIT	4C	1.0000			0.2431						
TOTALS			\$ 0	\$ 75		\$ 0.00	\$ 28.74	\$ 0.00	\$ 2.40		
			bctshrinv bctdirinv			bctshrinv bctdirinv					
			bctinvsy			bctinvsy					
CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUBLIC											
FOOTNOTES NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING. NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION. THUS, THIS COLUMN MAY BE PRESENTED FOR CONSISTENCY ONLY.											

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CA123R24/LCATCALC.DIST				LOOP COST ANALYSIS TOOL				Bellcore®	
DIST. PLNT - REPORT 14A				PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 3				COMPANY: CINCINNATI BELL TEL.				Issue Date: 8/31/95	
CITY / AREA: CINCINNATI				FACILITY TYPE: COPPER CABLE				STUDY YR: 1996	
STATE / PROV: OHIO				CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-COLLOC)				TEST CASE: 1	
				SERVICE CLASS: BAND 1 - BUSINESS LINE				RUN DATE: 27-Jan-97	
								TIME: 10:09	
logic-14a				1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(See Note)	
				BAND MIX				TOTAL	
				1.0000				AVG. WEIGHTED	
				15677				INVESTMENT	
SEG. LGTH.				2048.0				2046	
SHARED RESOURCES									
7	LAND	20C							\$ 0.00
8	BUILDING	10C							\$ 0.00
9	BLDG ENTRANCE CABLE	12C							\$ 0.00
10	INTRABLDG CABLE	52C							\$ 0.00
11	AERIAL CABLE (COPPER)	22C							\$ 0.00
12	BURIED CABLE (COPPER)	45C							\$ 0.00
13	UNDERGROUND (CU) CA.	5C							\$ 0.00
14	CO EQPT - P GAIN TERM	257C							\$ 0.00
15	CO EQPT - P GAIN CHAN	257C							\$ 0.00
16	CO EQPT - FO MUX TERM	857C							\$ 0.00
17	CO EQPT - FO MUX CHAN	857C							\$ 0.00
18	CO EQPT - ANALOG SW	77C							\$ 0.00
19	CO EQPT - DIGITAL SW	377C							\$ 0.00
20	AERIAL CABLE (FIBER)	822C							\$ 0.00
21	BURIED CABLE (FIBER)	845C							\$ 0.00
22	UNDERGROUND (FO) CA.	85C							\$ 0.00
23	CONNECTORS	57C							\$ 0.00
24	MISC. COM EQP & PWR	57C							\$ 0.00
25	POLE LINE	1C							\$ 0.00
26	CONDUIT	4C							\$ 0.00
DIRECT RESOURCES									
29	LAND	20C							\$ 0.00
30	BUILDING	10C							\$ 0.00
31	BLDG ENTRANCE CABLE	12C							\$ 0.00
32	INTRABLDG CABLE	52C							\$ 0.00
33	AERIAL CABLE (COPPER)	22C	\$ 4.50						\$ 4.50
34	BURIED CABLE (COPPER)	45C	\$ 1.73						\$ 1.73
35	UNDERGROUND (CU) CA.	5C	\$ 2.48						\$ 2.48
36	CO EQPT - P GAIN TERM	257C							\$ 0.00
37	CO EQPT - P GAIN CHAN	257C							\$ 0.00
38	CO EQPT - FO MUX TERM	857C							\$ 0.00
39	CO EQPT - FO MUX CHAN	857C							\$ 0.00
40	CO EQPT - ANALOG SW	77C							\$ 0.00
41	CO EQPT - DIGITAL SW	377C							\$ 0.00
42	AERIAL CABLE (FIBER)	822C							\$ 0.00
43	BURIED CABLE (FIBER)	845C							\$ 0.00
44	UNDERGROUND (FO) CA.	85C							\$ 0.00
45	CONNECTORS	57C							\$ 0.00
46	MISC. COM EQP & PWR	57C							\$ 0.00
47	POLE LINE	1C	\$ 1.07						\$ 1.07
48	CONDUIT	4C	\$ 0.87						\$ 0.87
SPAN SUMMARY				\$ 10.65	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AVG. WTD. SPAN SUMMARY				\$ 10.65	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
NOTE: [sum(INV _{ACCT} ^{BAND} * MIX ^{BAND})]									\$ 10.65

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C:\123R24\LCATCALC\DIST			LOOP COST ANALYSIS TOOL		Bellcore (R)	
DIST PLNT - REPORT 14B			PROSPECTIVE INVESTMENT WORKSHEET SUMMARY		LCAT	
Sheet 1 of 1			CIRCUIT SEGMENT : SERVICE ACCESS		Release : 1.0.4	
COMPANY: CINCINNATI BELL TEL			SERVICE CLASS: BAND 1 - BUSINESS LINE		STUDY YR: 1996	
CITY / AREA: CINCINNATI					TEST CASE: 1	
STATE / PROV: OHIO					RUN DATE: 27-Jan-97	
					TIME: 10:03	
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT						
ALL						
PLANT ITEM	PLANT ACCT CODE	BAND MIX AVG. LGTH.				
SHARED RESOURCES						
LAND	20C					
BUILDING	10C					
BLDG ENTRANCE CABLE	12C					
INTRABLDG CABLE	52C					
AERIAL CABLE (COPPER)	22C					
BURIED CABLE (COPPER)	45C					
UNDERGROUND (CU) CA.	5C					
CO EQPT - P GAIN TERM	257C					
CO EQPT - P GAIN CHAN	257C					
CO EQPT - FO MUX TERM	857C					
CO EQPT - FO MUX CHAN	857C					
CO EQPT - ANALOG SW	77C					
CO EQPT - DIGITAL SW	377C					
AERIAL CABLE (FIBER)	822C					
BURIED CABLE (FIBER)	845C					
UNDERGROUND (FO) CA.	85C					
CONNECTORS	57C					
MISC. COM EQP & PWR	57C					
POLE LINE	1C					
CONDUIT	4C					
DIRECT RESOURCES						
LAND	20C					
BUILDING	10C					
BLDG ENTRANCE CABLE	12C	2.40				
INTRABLDG CABLE	52C					
AERIAL CABLE (COPPER)	22C					
BURIED CABLE (COPPER)	45C					
UNDERGROUND (CU) CA.	5C					
CO EQPT - P GAIN TERM	257C					
CO EQPT - P GAIN CHAN	257C					
CO EQPT - FO MUX TERM	857C					
CO EQPT - FO MUX CHAN	857C					
CO EQPT - ANALOG SW	77C					
CO EQPT - DIGITAL SW	377C					
AERIAL CABLE (FIBER)	822C					
BURIED CABLE (FIBER)	845C					
UNDERGROUND (FO) CA.	85C					
CONNECTORS	57C					
MISC. COM EQP & PWR	57C					
POLE LINE	1C					
CONDUIT	4C					
SPAN TOTAL		2.40				

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RUN - SUB PRI

LAST UPDATE

27-Jan-97

09:27

Bellcore^(R)

LCAT

Release: 1.0.4

Issued: 7/31/95

LOOP COST ANALYSIS TOOL

FEEDER SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 1 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 12001 F

CURRENT TEST PLAN :		CURRENT JOB IDENT.	CINCINNATI
BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS	1
SVC LEVEL	NARBAND	#CKTS	1
CST METH	UN INCR	INV LEVEL	ANN COST

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LOOP COST ANALYSIS TOOL										Bellcore [®]	
BASIC INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS										Issue Date: 7/31/95	
FACILITY TYPE: COPPER CABLE										STUDY YR: 1996	
CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB-PRIMARY										TEST CASE: 1	
SERVICE CLASS: BAND 1 - BUSINESS LINE										RUN DATE: 27-Jan-97	
										TIME: 10:04	
SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2 RELATIVE MIX OF TYPE OF CA. PLANT [B]	LENGTH SUBSET BY TYPE OF PLANT [C=A*B]	FROM TABLE 4 MLD CABLE DESIGN INVEST. PER PAIR FOOT [D]	CABLE INVESTMENT PER PAIR [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR [E*fctr]	WEIGHTED DROP WIRE ADJUSTMENT PER PAIR [UI*DTC]		
300	AERIAL	0.120000	36.00	0.012100	0.44		0.00	0.00			
MELDED GAUGE/S/ COPPER CABLE	BURIED	0.000000	0.00	0.016600	0.00		0.00	0.00			
	UNDERGRND	0.880000	264.00	0.010900	2.88		0.00	0.00			
CHECK =		1.000000									
ADDITIONAL CALCULATIONS FOR CENTRAL OFFICE INVESTMENTS INVESTMENT PER CIRCUIT TERMINATION (CO CONN) CONNECTORS (coi77c) = \$ 0.00 POLE LINE FACTOR = $\frac{\text{inv} / \text{unit lgth}}{0.000000} \times \text{inv rtn fctr} / 0.253000$ POLE LINE INVESTMENT = \$ 0.18 (UTIL AERIAL INVEST x PL) UG CONDUIT FACTOR = $\frac{0.000000}{0.000000} \times 0.516500$ CONDUIT INVESTMENT = \$ 2.48 (UTIL UNDGRND INVEST x UC) MISC. COMMON EQPT. & POWER FACTOR = 0.112700 MCE&P INVESTMENT (CO CONN x FACTOR) = \$ 0.00 LAND FACTOR = 0.00560 LAND NVST (CO CONN + MCE&P) x FACTOR = \$ 0.00 BUILDING FACTOR = 0.13160 BLDG NVST (CO CONN + MCE&P) x FACTOR = \$ 0.00 PERCENT OF CO CONN AT DIGITAL SWITCHES = 100.0000 PERCENT OF CO CONN AT ANALOG SWITCHES = 0.0000											
FOOTNOTES NOTE 1: APPARENT INCONSISTANCIES MAY BE CAUSED BY COMPUTER ROUNDING. NOTE 2: E * fctr = INVESTMENT x DROP WIRE ADJUSTMENT FACTOR (MISCA or MISCB) NOTE 3: UI * DTC = UNIT INVESTMENT x PROBABILITY OF OCCURANCE. NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).											

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LOOP COST ANALYSIS TOOL										Bellcore (P)	
ACCOUNT INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS										Issue Date: 7/31/95	
FACILITY TYPE: COPPER CABLE										STUDY YR: 1996	
CIRCUIT SEGMENT: <u>MELDED GAUGE/S/ SUB-PRIMARY</u>										TEST CASE: 1	
SERVICE CLASS: BAND 1 - BUSINESS LINE										RUN DATE: 27-Jan-97	
										TIME: 10:04	
PLANT ITEM	PLANT ACCT CODE	FIXED VARI CAT.	RESOURCE ALLOCATION T	1996 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]	
LAND	20C	F	SHARED	0.00				1.0000			
BUILDING	10C	F	SHARED	0.00				1.0000			
BLDG ENTRANCE CABLE	12C	V	DIRECT					1.0000			
INTRABLDG CABLE	52C	V	DIRECT					0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT	0.44	1		\$ 0	0.6000		\$ 1	
BURIED CABLE (COPPER)	45C	V	DIRECT	0.00				0.6000			
UNDERGROUND (CU) CA.	5C	V	DIRECT	2.88	1		\$ 3	0.6000		\$ 5	
CO EQPT - LOW CAP TERM	257C	F	DIRECT					0.7000			
CO EQPT - LOW CAP CHAN	257C	V	DIRECT					0.7000			
CO EQPT - HI CAP TERM	857C	F	DIRECT					1.0000			
CO EQPT - HI CAP CHAN	857C	F	DIRECT					1.0000			
CO EQPT - ANALOG SW	77C	V	DIRECT	0.00				1.0000			
CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00				1.0000			
AERIAL CABLE (FIBER)	822C	F	DIRECT					0.3300			
BURIED CABLE (FIBER)	845C	F	DIRECT					0.3300			
UNDERGROUND (FO) CA.	85C	F	DIRECT					0.3300			
CONNECTORS	57C	V	DIRECT					1.0000			
MISC. COM EQP & PWR	57C	V	SHARED	0.00				1.0000		\$ 0	
POLE LINE	1C	F	DIRECT	0.18	1			1.0000		\$ 2	
CONDUIT	4C	F	DIRECT	2.48	1			1.0000		\$ 2	
TOTALS								\$ 0		\$ 8	
										\$ 8	

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47 FOOTNOTES

48 NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F AND H (H') ARE CAUSED BY COMPUTER ROUNDING.

49 NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY OF CABLE COMPONENTS:

50 AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE ADJ; BURIED CABLE, ... ETC;

51 CO EQPT - ESS = CONNECTORS + MISC. CP&E.

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CA123R24LCATCALC/CUTECH				LOOP COST ANALYSIS TOOL				Bellcore [®]			
SUB PRI - REPORT 14				PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release : 1.0.4			
Sheet 1 of 1				COMPANY: CINCINNATI BELL TEL				Issue Date : 7/31/95			
CITY / AREA: CINCINNATI				FACILITY SEGMENT: SUB-PRIMARY PLANT				STUDY YR: 1996			
STATE / PROV: OHIO				SERVICE CLASS: BAND 1 - BUSINESS LINE				TEST CASE: 1			
								RUN DATE: 27-Jan-97			
								TIME: 10:04			
				1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)			
				BAND				TOTAL			
				ACCT MIX				AVG. WEIGHTED			
				CODE LGTH							
				SEGLGTH							
0											
1											
2											
3											
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C:\123R24\LCATCALC.CUPRGN
RUN - CDLC PLANT

LAST UPDATE

27-Jan-97

09:28

LOOP COST ANALYSIS TOOL

Bellcore⁽ⁿ⁾

LCAT

Release: 1.0.4

Issued: 8/31/95

FEEDER SEGMENT COST MODEL - COPPER DLC TECHNOLOGY

STUDY NAME: 1996 BAND 1 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 12001 FEET - INFINITY I

CURRENT TEST PLAN: CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS	6
SVC LEVEL	NARBAND	#CKTS	1
CST METH	UN INCR	INV LEVEL	ANN COST

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LOOP COST ANALYSIS TOOL										Bellcore	
BASIC INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET										Issue Date: 8/31/95	
FOR: DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY										STUDY YR: 1996	
FACILITY TYPE: COPPER DIG LOOP CXR										TEST CASE: 1	
CIRCUIT DESIGN: T-C										DATE: 27-Jan-97	
SERVICE CLASS: BAND 1 - BUSINESS LINE										TIME: 10:05 AM	
COMPANY: CINCINNATI BELL TEL CITY / AREA: OHIO STATE / PROV: CINCINNATI											
15677 cur length 300 curstar-length SEGMENT LENGTH IN FEET											
EFFECTIVE LENGTH SUBSET BY TYPE INVEST. PER UNIT FOOT [C=A*B*T] [D]											
CABLE COMPONENTS (NOTE 5) CABLE INVESTMENT PER CHAN [E=C*D] WEIGHTED TERMINAL INVESTMENT [UI*DTC] AIR DRYER INVESTMENT PER PAIR [E*tr] DROP WIRE ADJUSTMENT PER PAIR [E*tr] (NOTE 6) (NOTE 7) (NOTE 8)											
[A] [B] [C=A*B*T] [D] [E=C*D] [UI*DTC] [E*tr] [E*tr] [UI*DTC]											
13331 AERIAL 0.120000 199.97 0.024200 \$ 4.84 \$ 0.00											
CO TO RT LINK ON BURIED 0.000000 0.00 0.033200 \$ 0.00 \$ 0.00											
COPPER CABLE DLC 24.00 GA. FACILITIES UNDERGRND 0.860000 1466.41 0.021800 \$ 31.97 \$ 0.00											
1.000000											
OUTSIDE PLANT LOADINGS (NOTE 5): ADJUST. / LOAD FACTORS TO AERIAL PFI ADJUST. / LOAD FACTORS TO BURIED PFI ADJUST. / LOAD FACTORS TO UGD PFI DLC EQUIPMENT INVEST. (NOTE 2): INT DLC EQUIP INVEST. (CU COMUX) = intdlcco \$ 0.00 \$ 0.00 INT DLC EQUIP INVEST. (CU RTMUX) = intdlcrt \$ 51.57 \$ 85.28 UNIV DLC EQUIP INVEST. (CU COMUX) = unvdlico \$ 12.14 \$ 87.51 UNIV DLC EQUIP INVEST. (CU RTMUX) = unvdlcrt \$ 51.57 \$ 85.28 DLC EQUIP INVEST. (CU LINE) = dlccol \$ 0.00											
CONDUIT INVEST. FOR DLC CEV FACILITIES = conpgrvst \$ 0.00 OTHER INVESTMENT inv / unit lgth : inv rthn fctr : POLE LINE FACTOR (PLf) = 0.0000 0.2530 POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) = \$ 2.04 UGD CONDUIT FACTOR (UCf) = 0.0000 0.5165 CONDUIT INVESTMENT (UTIL UNDGRD INVST x UCf) = \$ 27.52											
EQUIPMENT INVESTMENT LOADINGS INST. PER CHAN. FOR DLC TERM (co conn) = \$ 0.00 MISC. COM. EQPT. & POWER FACTOR FOR DLC (rem) = 0.1127 MISC. COM. EQPT. & POWER FACTOR FOR DLC (c.o.) = 0.1127 MCE&P INVEST. (CU REMMUX x MCEP) = \$ 15.42 MCE&P INVEST. (CDLCMUX x MCEP) = \$ 11.23 MCE&P INVEST. (CO CONN x MCEP) = \$ 0.00 OTHER INVESTMENT LAND FACTOR FOR DLC (LANDf rem) = 0.0056 LAND FACTOR FOR DLC (LANDf c.o.) = 0.0056 LAND INVEST. (CU COMUX+MCEP) x LANDf = \$ 1.47 LAND INVEST. ((CO CONN+MCEP) x LANDf) = \$ 0.00 BUILDING FACTOR FOR DLC (BLDGf rem.) = 0.1316 BUILDING FACTOR FOR DLC (BLDGf c.o.) = 0.1316 BLDG INVEST. (CDLCMUX+MCEP) x BLDGf = \$ 34.83 BLDG INVEST. ((CO CONN+MCEP) x BLDGf) = \$ 0.00											
LOOP TOPOLOGY AVERAGE NUMBER OF HUBS STAR NA ADDITIONAL LENGTH OF RING OSP REQUIRED NA MIX OF CENT. OFC. ANALOG INTFC 0.0000 MIX OF CENT. OFC. DIGITAL INTFC 1.0000 MIX OF UNIVERSAL DLC INTFC 1.0000 MIX OF INTEGRATED DIGITAL INTFC 0.0000											
FOOTNOTES NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING. NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED. NOTE 3: TABLE 4 DEVELOPMENT IS SHOWN ON WORKSHEET B; FOR 4 WIRE SERVICES, TABLE 4 IS MULT BY 2. NOTE 4: THIS ADJUSTMENT MAY ONLY BE TAKEN AGAINST COPPER PLANT. NOTE 5: ALL DROP WIRE AND PREMISES CONN. INVEST. IS INCLUDED IN THE APPROPRIATE CABLE ACCOUNT ON THE BUILDING CABLE & TERMINATION WORKSHEET AND INCORPORATED INTO WORKSHEET E.											

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LOOP COST ANALYSIS TOOL										Bellcore [®]	
ACCOUNT INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET										Issue Date: 8/31/95	
FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY										STUDY YR: 1996	
FACILITY TYPE: COPPER DIG LOOP CRR										TEST CASE: 1	
CIRCUIT DESIGN: T C										DATE: 27-Jan-97	
SERVICE CLASS: BAND 1 - BUSINESS LINE										TIME: 10:05 AM	
COMPANY: CINCINNATI BELL TEL											
CITY / AREA: OHIO											
STATE / PROV: CINCINNATI											
PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]	
LAND	20C	F	SHARED	1.47	1	\$ 1		1.0000	\$ 1		
BUILDING	10C	F	SHARED	34.76	1	\$ 35		1.0000	\$ 35		
BLDG ENTRANCE CABLE	12C	---	---					1.0000			
INTRABLDG CABLE	52C	---	---					0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT	4.84	1		\$ 5	0.6000		\$ 8	
BURIED CABLE (COPPER)	45C	V	DIRECT	0.00				0.6000			
UNDERGROUND (CU) CA.	5C	V	DIRECT	31.97	1		\$ 32	0.6000		\$ 53	
CO EQPT - P GAIN TERM	257C	F	DIRECT	79.13	1		\$ 79	0.7000		\$ 113	
CO EQPT - P GAIN CHAN	257C	V	DIRECT	172.79	1		\$ 173	0.7000		\$ 247	
CO EQPT - FO MUX TERM	857C	F	DIRECT					1.0000			
CO EQPT - FO MUX CHAN	857C	F	DIRECT					1.0000			
CO EQPT - ESS - ANALOG	77C	V	DIRECT	0.00				1.0000			
CO EQPT - ESS - DIGITAL	377C	V	DIRECT	0.00				1.0000			
AERIAL CABLE (FIBER)	822C	F	DIRECT					0.3300			
BURIED CABLE (FIBER)	845C	F	DIRECT					0.3300			
UNDERGROUND (FO) CA.	85C	F	DIRECT					0.3300			
CONNECTORS	57C	V	DIRECT					1.0000			
MISC. COM EQP & PWR	57C	V	SHARED	11.23	1	\$ 11		1.0000		\$ 2	
POLE LINE	1C	F	DIRECT	2.04	1		\$ 2	1.0000		\$ 2	
CONDUIT	4C	F	DIRECT	27.52	1		\$ 28	1.0000		\$ 28	
TOTALS											
										\$ 481	
										\$ 486	
										FEEDITY	

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PROVIDED TO PUC

FOOTNOTES
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - CKT PG TERM = PG EQ INV TERM + MC&P INV
CO EQPT - CKT PG CHAN = PG EQ INV CHAN + ORB INV
CO EQPT - ANALOG/DIGITAL ESS = C.O. CONN INV + MC&P INV

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CA12324/LCAT/CALC/CUPRGN		LOOP COST ANALYSIS TOOL								Bellcore	
CDLC PLANT - WORKSHEET 1		PROSPECTIVE AND ANNUAL COSTS WORKSHEET								LCAT Release: 1.0.4	
Sheet 3 of 3		CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET								Issue Date: 6/31/95	
COMPANY: CINCINNATI BELL TEL		FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY								STUDY YR: 1996	
CITY / AREA: OHIO		FACILITY TYPE: COPPER DIG LOOP CXR								TEST CASE: 1	
STATE / PROV: CINCINNATI		CIRCUIT DESIGN: 1 C								DATE: 27-Jan-97	
		SERVICE CLASS: BAND 1 - BUSINESS LINE								TIME: 10:05 AM	
PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT			
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]		
LAND	20C	1.0000	\$ 1		0.2232	\$ 0.33		\$ 0.03			
BUILDING	10C	1.0000	\$ 35		0.2847	\$ 9.90		\$ 0.82			
BLDG ENTRANCE CABLE	12C	1.0000			0.3832						
INTRABLDG CABLE	52C	1.0000			0.3832						
AERIAL CABLE (COPPER)	22C	1.0000		\$ 8	0.3943		\$ 3.18		\$ 0.27		
BURIED CABLE (COPPER)	45C	1.0000			0.3377						
UNDERGROUND (CU) CA.	5C	1.0000		\$ 53	0.3573		\$ 19.04		\$ 1.59		
CO EQPT - P GAIN TERM	257C	1.0000		\$ 113	0.3791		\$ 42.86		\$ 3.57		
CO EQPT - P GAIN CHAN	257C	1.0000		\$ 247	0.3791		\$ 93.58		\$ 7.80		
CO EQPT - FO MUX TERM	857C	1.0000			0.3791						
CO EQPT - FO MUX CHAN	857C	1.0000			0.3791						
CO EQPT - ESS - ANALOG	77C	1.0000			0.0000						
CO EQPT - ESS - DIGITAL	377C	1.0000			0.3368						
AERIAL CABLE (FIBER)	822C	1.0000			0.2893						
BURIED CABLE (FIBER)	845C	1.0000			0.2634						
UNDERGROUND (FO) CA.	85C	1.0000			0.2599						
CONNECTORS	57C	1.0000			0.3791						
MISC. COM EQP & PWR	57C	1.0000	\$ 11		0.3791	\$ 4.26		\$ 0.35	\$ 0.06		
POLE LINE	1C	1.0000		\$ 2	0.3717		\$ 0.75		\$ 0.06		
CONDUIT	4C	1.0000		\$ 28	0.2431		\$ 6.83		\$ 0.58		
TOTALS			\$ 47	\$ 451		\$ 14.46	\$ 180.10	\$ 1.21	\$ 13.84		
				\$ 498			\$ 180.58		\$ 15.05		
				FEED1SY			FEED1ANN		FEED1MRC		

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FOOTNOTES
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION, HOWEVER, THIS COLUMN IS PRESENTED FOR CONSISTENCY OF FORMAT ONLY.

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CDLC PLANT - REPORT 14.1

Sheet 1 of 3

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

LOOP COST ANALYSIS TOOL **PROSPECTIVE INVESTMENT WORKSHEET SUMMARY**

Bellcore^(R)
 LCAT Release: 1.0.4
 Issue Date: 6/31/95
 STUDY YR: 1996
 TEST CASE: 1
 DATE: 27-Jan-97
 TIME: 10:05 AM

1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)
PLANT ITEM	PLANT ACCT	BAND MIX AVG	1996 UNIT MONTHLY RECURRING COST BY ACCOUNT	TOTAL AVG. WEIGHTED INVESTMENT
	CODE LGTH	SEG. LGTH.		13331
SHARED RESOURCES				
LAND	20C		\$ 0.03	\$ 0.03
BUILDING	10C		\$ 0.82	\$ 0.82
BLDG ENTRANCE CABLE	12C			\$ 0.00
INTRABLDG CABLE	52C			\$ 0.00
AERIAL CABLE (COPPER)	22C			\$ 0.00
BURIED CABLE (COPPER)	45C			\$ 0.00
UNDERGROUND (CU) CA.	5C			\$ 0.00
CO EQPT - P GAIN TERM	257C			\$ 0.00
CO EQPT - P GAIN CHAN	257C			\$ 0.00
CO EQPT - FO MUX TERM	857C			\$ 0.00
CO EQPT - FO MUX CHAN	857C			\$ 0.00
CO EQPT - ANALOG SW	77C			\$ 0.00
CO EQPT - DIGITAL SW	377C			\$ 0.00
AERIAL CABLE (FIBER)	822C			\$ 0.00
BURIED CABLE (FIBER)	845C			\$ 0.00
UNDERGROUND (FO) CA.	85C			\$ 0.00
CONNECTORS	57C			\$ 0.00
MISC. COM EQP & PWR	57C		\$ 0.35	\$ 0.35
POLE LINE	1C			\$ 0.00
CONDUIT	4C			\$ 0.00
DIRECT RESOURCES				
LAND	20C			\$ 0.00
BUILDING	10C			\$ 0.00
BLDG ENTRANCE CABLE	12C			\$ 0.00
INTRABLDG CABLE	52C			\$ 0.00
AERIAL CABLE (COPPER)	22C		\$ 0.27	\$ 0.27
BURIED CABLE (COPPER)	45C			\$ 0.00
UNDERGROUND (CU) CA.	5C		\$ 1.59	\$ 1.59
CO EQPT - P GAIN TERM	257C		\$ 3.57	\$ 3.57
CO EQPT - P GAIN CHAN	257C		\$ 7.80	\$ 7.80
CO EQPT - FO MUX TERM	857C			\$ 0.00
CO EQPT - FO MUX CHAN	857C			\$ 0.00
CO EQPT - ANALOG SW	77C			\$ 0.00
CO EQPT - DIGITAL SW	377C			\$ 0.00
AERIAL CABLE (FIBER)	822C			\$ 0.00
BURIED CABLE (FIBER)	845C			\$ 0.00
UNDERGROUND (FO) CA.	85C			\$ 0.00
CONNECTORS	57C			\$ 0.00
MISC. COM EQP & PWR	57C			\$ 0.00
POLE LINE	1C		\$ 0.06	\$ 0.06
CONDUIT	4C	*****	\$ 0.56	\$ 0.56
SPAN SUMMARY				15.05
AVG. WTD. SPAN SUMMARY				15.05
NOTE: [sum(INV _{ACCT} * MIX _{SPAN})]				

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Bellcore (R)

RUN - FO MUX

LCAT

LAST UPDATE

LOOP COST ANALYSIS TOOL

Release: 1.0.4

27-Jan-97

Issued: 7/31/95

09:29

FEEDER SEGMENT COST MODEL - FIBER IN THE LOOP TECHNOLOGY

STUDY NAME: 1996 BAND 1 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 12001 FEET

CURRENT TEST PLAN :

CURRENT JOB IDENT.	CINCINNATI
BASIS	NETWORK
TEST CASE	1
FR / DS	FLAT RATE
#BANDS	0
SVC LEVEL	NARBAND
#CKTS	1
CST METH	UN INCR
INV LEVEL	ANN COST

...your run is finished

PRIOR
PRO

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LOOP COST ANALYSIS TOOL										Bellcore					
BASIC INVESTMENT WORKSHEET										LCAT Rel: 1.0.4					
FOR PRIMARY FEEDER PLANT										ISSUE DATE: 7/31/95					
FACILITY TYPE: FIBER IN THE LOOP										STUDY YR: 1995					
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										TEST CASE: 1					
SERVICE CLASS: BAND 1 - BUSIN SERVICE LEVEL: NARBAND										LAST RUN: 27-Jan-97					
										TIME: 10:06					
C:\123R24\LCAT\CALC\FOPRGN.WK1 FO_MUX - WORKSHEET 3 Sheet 1 of 3 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO															
from star_tbl: 300 cur_sfdlength 7154 cur_pnlength SEGMENT LENGTH IN FEET fo3pri_seglength [A] 13331 CO TO HUB LINK ON FIBER OPTIC FACILITIES TYPE OF CABLE PLANT AERIAL BURIED UNDERGRND										from bw_mix: 1979.04 wideqvmn EFFECTIVE LENGTH MLD CABLE SUBSET DESIGN INVEST. PER BY TYPE OF PLANT PAIR FOOT [C=A*B/I] [D] 1.21 0.282300 0.00 0.269400 5.52 0.168600 1.000000			CABLE COMPONENTS (NOTE 5) WEIGHTED EFFECTIVE LGTH CABLE INVESTMENT [E=C*D] 0.34 WEIGHTED TERMINAL INVESTMENT [UI*DTIC] 0.00 AIR DRYER INVESTMENT PER PAIR [E*factr] 0.00 DROP WIRE ADJUSTMENT PER PAIR [E*factr] 0.00 WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTIC] 0.00		
OUTSIDE PLANT LOADINGS (NOTE 5): ADJUST. / LOAD FACTORS TO AERIAL PFI ADJUST. / LOAD FACTORS TO BURIED PFI ADJUST. / LOAD FACTORS TO UGD PFI DLC EQUIPMENT INVEST. (NOTE 2) INT DLC EQUIP INVEST. (CU COMUX) = INT DLC EQUIP INVEST. (CU RTMUX) = UNIV DLC EQUIP INVEST. (CU COMUX) = UNIV DLC EQUIP INVEST. (CU RTMUX) = FIBER MUX EQUIP. INV. (FO COMUX) = FIBER MUX EQUIP. INV. (FO RTMUX) =										DROP WIRE/AIR DRYER NA 0.0000 NA 0.0000 NA 0.0000 TERM CHAN \$ 0.00 \$ 0.00 \$ 51.57 \$ 85.28 \$ 12.14 \$ 87.51 \$ 51.57 \$ 85.28 \$ 2.35 \$ 19.62 \$ 2.35 \$ 18.49			INVEST. PER CHAN. FOR CA TERM (CA CONN) = \$ 0.00 MISC. COM. EQPT. & POWER FACTOR (DLCrem) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (MUXrem) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (OTHrem) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (MUXc.o.) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (DLCc.o.) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (OTHc.o.) = 0.1127 MCE&P INVST. (MUXc.o.+DLCc.o.) x MCEPfc.o.) = \$ 13.71 MCE&P INVST. (MUXrem+DLCrem) x MCEPfc.o.) = \$ 17.77 MCE&P INVST. (CA CONN x MCEPfc.o.) = \$ 0.00 MCE&P INVST. (CA CONN x MCEPfc.o.) = \$ 0.00 LAND FACTOR FOR MUX EQP (LANDfrem) = 0.0055 LAND FACTOR FOR MUX EQP (LANDfrem) = 0.0055 LAND FACTOR FOR OTH (LANDfrem) = 0.0055 LAND FACTOR FOR DLC EQP (LANDfc.o.) = 0.0055 LAND FACTOR FOR MUX EQP (LANDfc.o.) = 0.0055 LAND FACTOR FOR OTH (LANDfc.o.) = 0.0055 LAND INVST. (DLC+MUX+MCEP) x LANDfc.o.) = \$ 0.78 LAND INVST. (MUX+DLC+MCEP) x LANDfrem) = \$ 0.98 BUILDING FACTOR FOR DLC EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR OTH (BLDGfrem) = 0.1316 BUILDING FACTOR FOR DLC EQP (BLDGfc.o.) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfc.o.) = 0.1316 BUILDING FACTOR FOR OTH (BLDGfc.o.) = 0.1316 BLDG INVST. (DLC+MUX+MCEP) x BLDGfc.o.) = \$ 17.81 BLDG INVST. (MUX+DLC+MCEP) x BLDGfrem) = \$ 23.09		
OTHER INVESTMENT POLE LINE FACTOR (PLf) = POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) = UNDERGROUND CONDUIT FACTOR (PLf) = CONDUIT INVESTMENT (UTIL UNDERGRND INVST x UCF) =										inv / unit lgth.: inv rltm factr: 0.0000 0.1965 \$ 0.20 0.0000 0.5232 \$ 1.48					
LOOP TOPOLOGY STAR AVERAGE NUMBER OF HUBS ADDITIONAL LENGTH OF RING OSP REQUIRED MIX OF CENT. OFC. ANALOG INTFC MIX OF CENT. OFC. DIGITAL INTFC MIX OF UNIVERSAL DLC INTFC MIX OF CENT. OFC. INTEGRATED DLC INTFC										NA NA 0.0000 1.0000 1.0000 0.0000					
FOOTNOTES NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING. NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED. NOTE 3: TABLE 4 DEVELOPMENT IS SHOWN ON WORKSHEET B; FOR 4 WIRE SERVICES, TABLE 4 IS MULT BY 2. NOTE 4: THIS ADJUSTMENT MAY ONLY BE TAKEN AGAINST COPPER PLANT. NOTE 5: ALL DROP WIRE AND PREMISES CONN. INVEST. IS INCLUDED IN THE APPROPRIATE CABLE ACCOUNT ON THE BUILDING CABLE & TERMINATION WORKSHEET AND INCORPORATED INTO WORKSHEET E.															

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GC:\123R24\LCATCALC\FOPRGN.WK1
FO_MUX - WORKSHEET 3
Sheet 2 of 3

LOOP COST ANALYSIS TOOL

ACCOUNT INVESTMENT WORKSHEET

Bellcore

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIOFOR: PRIMARY FEEDER PLANT
FACILITY TYPE: FIBER IN THE LOOP
CIRCUIT DESIGN: 31 FOMUX TO HUB / REM.
SERVICE CLASS: BAND 1 - BUSINSERVICE LEVEL: NARBANDLCAT Rel: 1.0.4
ISSUE DATE: 7/31/95
STUDY YR: 1995
TEST CASE:
LAST RUN: 27-Jan-96
TIME: 10:02

PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	
				COST EQUATION		SHARED RESOURCES	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES
								utilstart		
				[F]	[G]	[H=F*G]	[H'=F*G]	[J]	[K=H/J]	[K'=H'/J]
LAND	20C	F	SHARED	1.74	1	\$ 2		1.0000	\$ 2	
BUILDING	10C	F	SHARED	40.90	1	\$ 41		1.0000	\$ 41	
BLDG ENTRANCE CABLE	12C	---	---					1.0000		
INTRABLDG CABLE	52C	---	---					0.3500		
AERIAL CABLE (COPPER)	22C	V	DIRECT					0.6000		
BURIED CABLE (COPPER)	45C	V	DIRECT					0.6000		
UNDERGROUND (CU) CA.	5C	V	DIRECT					0.6000		
CO EQPT - LOW CAP TERM	257C	F	DIRECT	63.71	1		\$ 64	0.7000		\$ 9
CO EQPT - LOW CAP CHAN	257C	V	DIRECT	172.79	1		\$ 173	0.7000		\$ 24
CO EQPT - HI CAP TERM	857C	F	DIRECT	22.47	1		\$ 22	1.0000		\$ 2
CO EQPT - HI CAP CHAN	857C	F	DIRECT	38.11	1		\$ 38	1.0000		\$ 3
CO EQPT - ANALOG SW	77C	V	DIRECT	0.00				1.0000		
CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00				1.0000		
AERIAL CABLE (FIBER)	822C	F	DIRECT	0.34	1		\$ 0	0.3300		\$
BURIED CABLE (FIBER)	845C	F	DIRECT	0.00				0.3300		
UNDERGROUND (FO) CA.	85C	F	DIRECT	0.93	1		\$ 1	0.3300		\$
CONNECTORS	57C	V	DIRECT	0.00				1.0000		
MISC. COM EQP & PWR	57C	V	SHARED	13.71	1	\$ 14		1.0000	\$ 14	
POLE LINE	1C	F	DIRECT	0.20	1		\$ 0	1.0000		\$
CONDUIT	4C	F	DIRECT	1.48	1		\$ 1	1.0000		\$

TOTALS

\$ 58

\$ 40

\$ 40

feed3ly

FOOTNOTES

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

NOTE 2: P GAIN CO EQPT = PG EQ INV + HUBMUX INV + MCE&P INV.

NOTE 3: ESS CO EQPT = C.O. CONN + MCE&P INV

NOTE 3: CABLE INVESTMENT IS THE SUM OF THE CABLE INV [H] + DRYER INV [J] + DROP WIRE ADJUST [K]

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A
B
C
D
E
F
GC:\123R24\LCATCALC\FOPRGN.WK1
FO_MUX - WORKSHEET 3
Sheet 3 of 3

LOOP COST ANALYSIS TOOL

Bellcore[®]COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIOANNUAL COSTS WORKSHEET
FOR PRIMARY FEEDER PLANT
FACILITY TYPE: FIBER IN THE LOOP
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.
SERVICE CLASS: BAND 1 - BU: SERVICE LEVEL: NARBANDLCAT Rel: 1.0.4
ISSUE DATE: 7/31/95
STUDY YR: 1996
TEST CASE: 1
LAST RUN: 27-Jan-97
TIME: 10:08

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES	SHARED RESOURCES	DIRECT RESOURCES
			fo3sixaset	fo3dixaset		fo3sixaset	fo3dixaset	fo3sixaset	fo3dixaset
[PREVIOUS SHEET SUMMARY]		[L]	[M=K*L]	[M'=K'*L]	[N]	[P=M*N]	[P'=M'*N]	[Q=P/12]	[Q'=P'/12]
LAND	20C	1.0000	\$ 2		0.2232	\$ 0.39		\$ 0.03	
BUILDING	10C	1.0000	\$ 41		0.2847	\$ 11.64		\$ 0.97	
BLDG ENTRANCE CABLE	12C	1.0000			0.3832				
INTRABLDG CABLE	52C	1.0000			0.3832				
AERIAL CABLE (COPPER)	22C	1.0000			0.3943				
BURIED CABLE (COPPER)	45C	1.0000			0.3377				
UNDERGROUND (CU) CA.	5C	1.0000			0.3573				
CO EQPT - LOW CAP TERM	257C	1.0000		\$ 91	0.3791		\$ 34.50		\$ 2.88
CO EQPT - LOW CAP CHAN	257C	1.0000		\$ 247	0.3791		\$ 93.58		\$ 7.80
CO EQPT - HI CAP TERM	857C	1.0000		\$ 22	0.3791		\$ 8.52		\$ 0.71
CO EQPT - HI CAP CHAN	857C	1.0000		\$ 38	0.3791		\$ 14.45		\$ 1.20
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3368				
AERIAL CABLE (FIBER)	822C	1.0000		\$ 1	0.2893		\$ 0.30		\$ 0.03
BURIED CABLE (FIBER)	845C	1.0000			0.2634				
UNDERGROUND (FO) CA.	85C	1.0000		\$ 3	0.2599		\$ 0.73		\$ 0.06
CONNECTORS	57C	1.0000			0.3791				
MISC. COM EQP & PWR	57C	1.0000	\$ 14		0.3791	\$ 5.20		\$ 0.43	
POLE LINE	1C	1.0000		\$ 0	0.3717		\$ 0.08		\$ 0.01
CONDUIT	4C	1.0000		\$ 1	0.2431		\$ 0.36		\$ 0.03
TOTALS			\$ 56	\$ 404		\$ 132.52	\$ 1.44		\$ 12.71
				\$ 460		\$ 169.75			\$ 14.15
				feed3sy		feed3ann		feed3mrc	

FOOTNOTES

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
 NOTE 2: AN INVESTMENT - ONLY STUDY NEGATES ANNUAL COST COMPUTATION.
 HOWEVER, THIS COLUMN IS PRESENTED FOR CONSISTENCY OF FORMAT ONLY.

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C:\123R24\LCAT\CALC\FOPRGN.WK1		LOOP COST ANALYSIS TOOL				Bellcore	
FO_MUX - REPORT 14.3		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
Sheet 1 of 1		FOR PRIMARY FEEDER PLANT				ISSUE DATE: 7/31/95	
COMPANY: CINCINNATI BELL TEL.		FACILITY TYPE: FIBER IN THE LOOP				STUDY YR: 1996	
CITY/AREA: CINCINNATI		CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.				TEST CASE: 1	
STATE/PROV: OHIO		SERVICE CLASS: BAND 1 - BUSIN SERVICE LEVEL: NARBAND				LAST RUN: 27-Jan-97	
						TIME: 10:07	
data = 14x3		1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)	
BAND		0				TOTAL	
PLANT MIX		1.0000				AVG WEIGHTED	
ACCT AVG.						INVESTMENT	
CODE LGTH		15677					
SEG.LGTH.		13331				13331	
PLANT ITEM							
SHARED RESOURCES							
LAND		20C				\$ 0.03	
BUILDING		10C				\$ 0.97	
BLDG ENTRANCE CABLE		12C				\$ 0.00	
INTRABLDG CABLE		52C				\$ 0.00	
AERIAL CABLE (COPPER)		22C				\$ 0.00	
BURIED CABLE (COPPER)		45C				\$ 0.00	
UNDERGROUND (CU) CA.		5C				\$ 0.00	
CO EQPT - LOW CAP TERM		257C				\$ 0.00	
CO EQPT - LOW CAP CHAN		257C				\$ 0.00	
CO EQPT - HI CAP TERM		857C				\$ 0.00	
CO EQPT - HI CAP CHAN		857C				\$ 0.00	
CO EQPT - ANALOG SW		77C				\$ 0.00	
CO EQPT - DIGITAL SW		377C				\$ 0.00	
AERIAL CABLE (FIBER)		822C				\$ 0.00	
BURIED CABLE (FIBER)		845C				\$ 0.00	
UNDERGROUND (FO) CA.		85C				\$ 0.00	
CONNECTORS		57C				\$ 0.00	
MISC. COM EQP & PWR		57C				\$ 0.43	
POLE LINE		1C				\$ 0.00	
CONDUIT		4C				\$ 0.00	
DIRECT RESOURCES							
LAND		20C				\$ 0.00	
BUILDING		10C				\$ 0.00	
BLDG ENTRANCE CABLE		12C				\$ 0.00	
INTRABLDG CABLE		52C				\$ 0.00	
AERIAL CABLE (COPPER)		22C				\$ 0.00	
BURIED CABLE (COPPER)		45C				\$ 0.00	
UNDERGROUND (CU) CA.		5C				\$ 0.00	
CO EQPT - LOW CAP TERM		257C				\$ 2.88	
CO EQPT - LOW CAP CHAN		257C				\$ 7.80	
CO EQPT - HI CAP TERM		857C				\$ 0.71	
CO EQPT - HI CAP CHAN		857C				\$ 1.20	
CO EQPT - ANALOG SW		77C				\$ 0.00	
CO EQPT - DIGITAL SW		377C				\$ 0.00	
AERIAL CABLE (FIBER)		822C				\$ 0.03	
BURIED CABLE (FIBER)		845C				\$ 0.00	
UNDERGROUND (FO) CA.		85C				\$ 0.06	
CONNECTORS		57C				\$ 0.00	
MISC. COM EQP & PWR		57C				\$ 0.00	
POLE LINE		1C				\$ 0.01	
CONDUIT		4C				\$ 0.03	
SPAN SUMMARY		14.15		0.00		\$ 14.15	
AVG. WTD. SPAN SUMMARY		14.15		0.00		0.00	
NOTE: [sum((INV _{ACCT} ^{BAND} * MIX ^{BAND})]							

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C:\123R24\LCATR077\COSTMETH

LOOP COST ANALYSIS TOOL

Bellcore (R)

TABLE - COST_METH
SHEET 1 of 2COST METHODS ASSIGNMENT TABLE
DISTRIBUTION SEGMENTCOMPANY: CINCINNATI BELL TEL
STATE: OHIO

SWITCHED SERVICES

LCAT Rel: 1.0.4
Issued: 07/31/95
STUDY YR: 1995
TEST CASE: 1
LAST UPDATE: 09-Dec-95
TIME: 14:29

PLANT ITEM	LCAT CODE	WHEN BANDWIDTH DELIVERY IS					
		NARROWBAND		WIDEBAND		BROADBAND	
		CATEGORY	SENS. INDEX	CATEGORY	SENS. INDEX	CATEGORY	SENS. INDEX
		RESOURCE ASSIGNMENT		RESOURCE ASSIGNMENT		RESOURCE ASSIGNMENT	
LAND	LAND	20C	F	SHARED	F	SHARED	F
BUILDING	BLDG	10C	F	SHARED	F	SHARED	F
BLDG ENTRANCE CABLE	BEC	12C	V	DIRECT	V	DIRECT	V
INTRABLDG CABLE	IBC	52C	V	DIRECT	V	DIRECT	V
AERIAL CABLE (COPPER) ①	ACU	22C	V	DIRECT	V	DIRECT	V
BURIED CABLE (COPPER) ①	BCU	45C	V	DIRECT	V	DIRECT	V
UNDERGROUND (CU) CA. ①	UCU	5C	V	DIRECT	V	DIRECT	V
CO EQPT - LOW CAP TERM	DLCT	257C	F	DIRECT	V	DIRECT	V
CO EQPT - LOW CAP CHAN	DLCC	257C	V	DIRECT	V	DIRECT	V
CO EQPT - HI CAP TERM	MUXT	857C	F	DIRECT	F	DIRECT	F
CO EQPT - HI CAP CHAN	MUXC	857C	F	DIRECT	F	DIRECT	V
CO EQPT - ANALOG SW	ACOE	77C	V	DIRECT	V	DIRECT	V
CO EQPT - DIGITAL SW	DCOE	377C	V	DIRECT	V	DIRECT	V
AERIAL CABLE (FIBER)	AFO	822C	F	DIRECT	F	DIRECT	F
BURIED CABLE (FIBER)	BFO	845C	F	DIRECT	F	DIRECT	F
UNDERGROUND (FO) CA.	UFO	85C	F	DIRECT	F	DIRECT	F
CONNECTORS	CONN	57C	V	DIRECT	V	DIRECT	V
MISC. COM EQP & PWR	MCEP	57C	V	SHARED	V	SHARED	V
POLE LINE	POLE	1C	F	DIRECT	F	DIRECT	F
CONDUIT	COND	4C	F	DIRECT	F	DIRECT	F

FOOTNOTES

- ① THESE ASSIGNMENTS APPLY TO DEDICATED COPPER - PAIRS (NON-MULTIPLEXED) FEEDER & DISTRIBUTION
 BY DEFINITION: ITEMS LABELED F(xed) OR SHARED ARE EXCLUDED IN A MARGINAL COST STUDY
 ITEMS LABELED F(xed) ARE EXCLUDED FROM ADDITIONS IN INCREMENTAL STUDIES
 ALL ITEMS ARE INCLUDED IN A PROSPECTIVE, REPLACEMENT OR NEW INSTALLATION.

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HELP SCREEN**Belcore** (R)

TABLE - COST_METH

LCAT Rel : 1.0.4

Sheet 1 of 2

Issued : 07/31/95

<u>Field / Group Title</u>	<u>Valid Inputs</u>	<u>This field or grouping defines -</u>
SERVICES	(none)	The system matrix for DISTRIBUTION cost methodology for - The User selected Service Category - SWITCHED or PRIVATE LINE.
LCAT CODE	(none)	The system key code for this cost component
PLANT CODE	Any 5 (max) char. code	The User cross-reference code for the cost component or component group. Examples are "field" codes, sub-accounts.
DELIVERY	(none)	The Service Delivery Bandwidth Capacity for each group of methodology categories. The system defines 3 - Narrowband - denotes voice grade and sub-voice grade band width. Wideband - denotes bandwidths of the first level of digital hierarchy. Broadband - denotes bandwidths of the higher levels of digital hierarchy
CATEGORY	(none)	The group of Methodology Categories
SENSITIVITY INDEX	F, V	The Volatility Index to Distance or Demand Sensitivity - F for Fixed Value, Low sensitivity to Distance or Demand. V for Variable Usage, Cost Sensitive to Distance or Demand. S for Sunk Investment which only has an Annual Component.
RESOURCE ASSIGNMENT	SHARED, DIRECT	The Assigned Category of Circuit Function - DIRECT for Dedicated or Circuit Specific Investment. SHARED - for Multi-Circuit or Non-Specific Investment.

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
 ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****

PRESS <ENTER> TO RETURN TO THE MAIN MENU

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LOOP COST ANALYSIS TOOL

Bellcore (R)

TABLE - COST_METH
SHEET 2 of 2COST METHODS ASSIGNMENT TABLE
FEEDER SEGMENTCOMPANY: CINCINNATI BELL TEL.
STATE: OHIO

SWITCHED SERVICES

LCAT Rel : 1.0.4
Issued : 07/31/95
STUDY YR: 1995
TEST CASE : 1
LAST UPDATE : 09-Dec-95
TIME : 14:29

PLANT ITEM	PLANT CODE	WHEN BANDWIDTH DELIVERY IS					
		NARROWBAND		WIDEBAND		BROADBAND	
		CATEGORY	SENS. RESOURCE	CATEGORY	SENS. RESOURCE	CATEGORY	SENS. RESOURCE
		INDEX ASSIGNMENT	INDEX ASSIGNMENT	INDEX ASSIGNMENT	INDEX ASSIGNMENT	INDEX ASSIGNMENT	INDEX ASSIGNMENT
LAND	20C	F SHARED	F SHARED	F SHARED	F SHARED	F SHARED	F SHARED
BUILDING	10C	F SHARED	F SHARED	F SHARED	F SHARED	F SHARED	F SHARED
BLDG ENTRANCE CABLE							
INTRABLDG CABLE							
AERIAL CABLE (COPPER) ①	22C	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT
BURIED CABLE (COPPER) ①	45C	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT
UNDERGROUND (CU) CA. ①	5C	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT
CO EQPT - LOW CAP TERM	257C	F DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT
CO EQPT - LOW CAP CHAN	257C	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT
CO EQPT - HI CAP TERM	857C	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT
CO EQPT - HI CAP CHAN	857C	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT
CO EQPT - ANALOG SW	77C	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT
CO EQPT - DIGITAL SW	377C	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT
AERIAL CABLE (FIBER)	822C	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT
BURIED CABLE (FIBER)	845C	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT
UNDERGROUND (FO) CA.	85C	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT
CONNECTORS	57C	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT	V DIRECT
MISC. COM EQP & PWR	57C	V SHARED	V SHARED	V SHARED	V SHARED	V SHARED	V SHARED
POLE LINE	1C	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT
CONDUIT	4C	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT	F DIRECT

FOOTNOTES

① THESE ASSIGNMENTS APPLY TO MULTIPLEXED COPPER FEEDER PARS, ONLY
 BY DEFINITION: ITEMS LABELED F(fixed) OR SHARED ARE EXCLUDED IN A MARGINAL COST STUDY
 ITEMS LABELED F(fixed) ARE EXCLUDED FROM ADDITIONS IN INCREMENTAL STUDIES
 ALL ITEMS ARE INCLUDED IN A PROSPECTIVE, REPLACEMENT OR NEW INSTALLATION.

C:\123R24\LCATR077\COSTMETH
TABLE - COST_METH
Sheet 2 of 2

HELP SCREEN**Belcore** (R)

LCAT Rel : 1.0.4

Issued : 07/31/95

<u>Field / Group Title</u>	<u>Valid Inputs</u>	<u>This field or grouping defines -</u>
SERVICES	(none)	The system matrix for FEEDER cost methodology for - The User selected Service Category - SWITCHED or PRIVATE LINE.
LCAT CODE	(none)	The system key code for this cost component
PLANT CODE	(none)	The User nominated cross-reference code for the cost component or component group from the previous screen.
DELIVERY	(none)	The Service Delivery Bandwidth Capacity for each group of methodology categories. The system defines 3 - Narrowband - denotes voice grade and sub-voice grade band width. Wideband - denotes bandwidths of the first level of digital hierarchy. Broadband - denotes bandwidths of the higher levels of digital hierarchy.
CATEGORY	(none)	The group of Methodology Categories
SENSITIVITY INDEX	F, V	The Volatility Index to Distance or Demand Sensitivity - F for Fixed Value, Low sensitivity to Distance or Demand. V for Variable Usage, Cost Sensitive to Distance or Demand. S for Sunk Investment which only has an Annual Component.
RESOURCE ASSIGNMENT	SHARED, DIRECT	The Assigned Category of Circuit Function - DIRECT for Dedicated or Circuit Specific Investment. SHARED - for Multi-Circuit or Non-Specific Investment.

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****

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C:\123R24\LCATR077\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore [®]	
INPUT - STUDY SETUP		GENERAL STUDY REQUIREMENTS		TODAY IS: 27-Jan-97	
LCAT Rel.: 1.0.4				LAST UPDATE:	
Issue Date: 3/31/95				09-Dec-96 02:32 PM	
STUDY NAME		1996 BAND 1 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 12001 FEET - (INFINITY INTRASTA)			
COMMENTS					
SERVICE CLASS		BAND 1 - BUSINESS LINE		STUDY BASIS	
				☒ NETWORK	
				☐ INDIVIDUAL	
COMPANY		CINCINNATI BELL TEL		INVESTMENT YEAR	
				1996	
STATE / PROVINCE		OHIO		LOOP CHAR. STUDY YEAR	
				1996	
CITY / AREA		CINCINNATI		STUDY YEAR	
				1996	
DENSITY CELL MIX		0 100 0 0		TEST CASE	
		VH HI MED LO		1	
DIGITAL LOOP CARRIER FACILITIES INCLUDED IN THE STUDY:					
Type Percent Mix:					
100 FIBER IN THE LOOP					
0 COPPER DIG LOOP CXR					

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C:\123R24\LCATR07\CRITERIA		HELP SCREEN	Belcore [®]
INPUT - STUDY SETUP			LCAT Rel. 1.0.4
Sheet 1 of 2			ISSUED: 3/31/95
THIS DISPLAY	This display's data and the data on the subsequent display are a record of this study's criteria and the system's parameters and is the TITLE PAGE of this study. Printouts should accompany the input, worksheets, and results.		
STUDY NAME	Enter in Free Form up to 35 Characters for a Study Title. This data will be inserted in the title box of the title display of each run module.		
COMMENTS	Enter in Free Form (as in a Word Processor) FOUR lines (Word Wrap is active) of Commentary that will help Explain the study criteria and rationale. The space will allow approximately 72 proportionately spaced characters per line, 288 total. To begin just start typing in the data after <Enter>ing the previous item. The character guide will appear after the first character is entered. Data can be edited in the normal WP manner, using the <BS>, , <Up>, <Dn>, etc... keys. PRESS THE < Enter > KEY TO STOP INPUTTING DATA.		
STUDY BASIS	Select with an "X" either an average NETWORK study or an INDIVIDUAL CASE study.		
FACILITY TYPE	Select by entering the percent of technology mix, the Facility types in the loop network that support the service/sr under study or enter an "X" to denote inclusion.		
CELL DENSITY	Select by entering the percent of cell density mix, based upon the scope of the jurisdiction and the definitions of the cell layers: CT, G2, C3, C4; which represent the VERY HIGH, HIGH, MEDIUM, LOW qualifiers, such as, METRO, URBAN, SUBURBAN, and RURAL.		
***** PLEASE REFER TO THE USER MANUAL FOR INFORMATION *****			
***** CONCERNING ANY OTHER DATA INPUT ITEMS ON THIS DISPLAY *****			
PRESS < Enter > KEY TO RETURN TO THE MAIN MENU			

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C:\123R24\LCATR077\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore [®]
INPUT - STUDY SETUP SHEET 2 / 2 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		GENERAL STUDY REQUIREMENTS STUDY QUESTIONS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS LINE		LCAT Rel. 1.0.4 ISSUED: 3/31/95 STUDY YEAR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 02:32 PM
SELECTED QUESTIONS				
CONCERNING - SERVICE SPEC.	1. Is this Study for a NEW Installation or an ADDITION ? 2. Is this Study for a SWITCHED or PRIVATE LINE Service ? 3. Is this Study for Narrow, Wide, or Broadband Services 4. Is this Study for 2 Wire or 4 Wire Transmission ?		VALID RESPONSE SET N or A NEW S or P SWITCHED N, W or B NARBAND 2 or 4 2	
OFFICE CHAR.	5. What Percent of the C.O. Switch Installations are DIGITAL Switches? 6. What Percent of Loop Carrier Installations are INTEGRATED DLC's? 7. What Percent of Loop Carrier Cross-connects are Electronic DCS's? 8. Deploy Digital Loop Carrier (loop pair gain) exclusively at ?		0 → 100 100 0 → 100 0 0 → 100 0 e.g., 12000 12000 Feet	
RESULTS SPEC.	9. Do you want FLAT RATE or DISTANCE SENSITIVE parameters ? 9a. If Distance Sensitive, what band increment do you want ? 10. How many Cost Bands in this study ? 11. Should this Study result in Investment, Cost, or All values ? 12. Is this study for Total Incremental or Marginal Costs ? 13. How many circuits (loops) in this Study ? 14. The study classification is (e.g., RATES PLAN, TEST DATA, NEW SERVICE). Required for the 'Footer' of each Report page.		FLAT RATE 1, 2, 3, 4 0 → 5 10 or 15 2 or 4 0 → 100 COST TOT INCR 1 RATES PLAN	

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HELP SCREENBellcore[®]

INPUT - STUDY SETUP

LCAT Rel. 1.0.4
ISSUED: 3/31/95

1. Specify **N** for New Installations or **A** for Addition to existing installations are being studied.
2. Specify **S** for the Switched Services or **P** for the Private Line (Special) Service category.
3. Specify **N** for Narrowband (DS0), **W** for Wideband (DS1), or **B** for Broadband Services category.
4. Specify as **2** for 2-wire or **4** for 4-wire, the circuit transmission paths used by the service/s/ being studied. .
5. Specify Digital Switch Mix as a Percentage of Installations over Analog in the Jurisdiction.
6. & 7. Specify Integrated DLC Mix as a Percentage of the DLC equipment requirements.
Using 6. for Switched Services or Using 7. for Special (Private Line) Services.
8. Enter in feet, the loop length beyond which only Digital Loop Carrier Technology will be considered
9. Specify **F** for Flat Rate Loop or **D** for Distance Sensitive Bands, for the Cost Structure of the study
- 9A. Enter **1**, **2**, **3**, or **4** to specify either 1/4, 1/2, 3/4, or 1 mile, respectively, band increments in a Distance Sensitive Study
10. Specify the quantity of Cost Bands of Loop Lengths will be studied, for upto a maximum of 3 bands.
Enter **0** for Network Averaged (non-Banded) Input or Individual Circuit Flat Rate Cost Studies.
11. Specify **I** for Investment Only results or **C** for resultant Annual and Monthly Recurring Costs or **A** for All values.
12. Specify **T** for Total Incremental or **M** for Marginal (Direct Incremental) Average Weighted Costs Study.
13. Enter the quantity of loop circuits that will be the demand basis of this cost study.
Nominally, entering **1** provides a "UNIT" cost and any other value, a "TOTAL" cost

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C:\123R24\LCATR077\DESIGN	LOOP COST ANALYSIS TOOL	Bellcore
INPUT - LOOP_DESIGN Sheet 1 / 1	CIRCUIT DESIGN REQUIREMENTS CHARACTERISTICS FOR	LCAT Rel :1.0.4 Issued :07/31/95
COMPANY :CINCINNATI BELL TEL.	INVESTMENT YEAR: 1996	STUDY YR : 1996
CITY / AREA :CINCINNATI	LOOP STUDY YEAR: 1996	TEST CASE : 1
STATE / PROV :OHIO	SERVICE CLASS:BAND 1 - BUSINESS LINE	LAST UPDATE : 09-Dec-96
		TIME : 14:33

CIRCUIT DESIGN

Study Parameters

Study Basis: NETWORK STUDY

Service Level: NARBAND

Loop Topology: STAR

**CIRCUIT LAYOUT REQUIREMENTS -
FOR FIBER HUBS & FEEDER EXTENSIONS**

(FIBER HUB TO REMOTE TERMINAL LINK)

FACILITY INTERFACE SITES :

Proportion of Fiber Circuits

WITHOUT Fiber Hubs

FACILITY TECHNOLOGIES:

Of the Hubbed Circuits -

Proportion of links on Fiber Tech.

Proportion of links on CDLC / MAR

FOR SERVICE ACCESS NETWORK

(REMOTE TERMINAL TO CUSTOMER LINK)

FACILITY INTERFACE SITES :

Proportion of Remote terminals

colocated at Customer Premises

**CIRCUIT DESIGN REQUIREMENTS -
SELECTION & DISTRIBUTION:**Note**FOR FIBER DLC DESIGNS:**

Weighting of Design #1

Weighting of Design #2

Weighting of Design #3

Weighting of Design #4

NA

Weighting of Design #5

NA

Weighting of Design #6

NA

ChkSum

FOR COPPER DLC DESIGNS:

Weighting of Design #1

Weighting of Design #2

NA

ChkSum

NA DENOTES THAT THE CIRCUIT DESIGN
PROBABLY DOES NOT APPLY TO THIS
SET OF STUDY PARAMETERS.

C:\123R24\LCATR077\DESIGN

HELP SCREEN

Bellcore

INPUT - LOOP DESIGN

LCAT Rel :1.0.4

Sheet 1 of 1

Issued :07/31/95

**DIGITAL LOOP
CARRIER
DESIGNS**

Each Loop's circuit layout is broken down into potentially the FEEDER, the DISTRIBUTION, and the DROP segment. The FEEDER segment can have THREE Spans, the PRIMARY and EXTENSION are realtime, but, the SUBFEEDER is a "filler" for spans or distances under PAIR GAIN Deployment and will be employed using engineering rules and network characteristics. The potential Fiber Optic DLC and Copper DLC circuit layouts have been categorized into several generic designs for purposes of narrowing down the complexity of the network contribution. The *DESIGN's* represent unique combinations of layers (COLLOCATION) and the transport media. There is a chart of these *DESIGN's* included in the DATA CATALOG and the METHODOLOGY sections of the User Guide.

COLLOCATIONS To be defined as the combining of Loop functions at the same location, excluding the need for translation of the transport function (eliminating the OSP and termination equipment). Note that the sum of the probabilities do not have to equal total universe, therefore, the proportions are a function of the total serving universe (total loop network).

**FIBER HUBS &
FEEDER
EXTENSIONS**

These values represent the proportion of each technology used in the layouts which DO NOT have collocated FIBER HUB and REMOTE TERMINAL functions.

WARNING → This function must be in place for "RING" topologies as 100% FIBER, therefore, the *DESIGN* choices are limited for RING to *DESIGN's* 1 and 5. All other *DESIGN* are to be avoided.

**SERVICE
SPECIFIC**

To avoid circuit layout conflict with certain service levels, the input choices will be limited for BROADBAND service levels to those which currently support DS3 Xconn at both ends. Currently, that is, *DESIGN* 4, 5, & 6.

***** PLEASE REFER TO THE USER MANUAL FOR INFORMATION *****
***** CONCERNING ANY OTHER DATA INPUT ITEMS ON THIS DISPLAY *****

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C:\123R24\LCATR077\FACILITY		LOOP COST ANALYSIS TOOL		Belcore
TABLE ~ SPAN_INV SHEET 1 / 4 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT FIBER CABLE DATA FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS LINE		LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 14:36
FIBER CABLE INVESTMENT AND CHARACTERISTICS				
CABLE TYPE MIX (DISTRIBUTION TO CODE) : Proportion of FIBER cable installations that are		FOR FEEDER SEGMENTS	FOR DISTRIBUTION SEGMENTS	factors factors factors
		AERIAL	0.1800	0.0000
		BURIED	0.0000	0.0000
		UNDGRD	0.8200	0.0000
INVESTMENT PER CABLE PAIR FOOT BY CABLE TYPE : Update Cable Sheath Prices on the FULL SET Input SHEET ? (Y/N) N [Required with INDIVIDUAL Mode]				
If not, Update Unit Averages as Follows :				
PRIMARY SEGMENT Average Unit Investment for FIBER cable, Installed as		AERIAL \$ 0.2823 BURIED \$ 0.2694 UNDGRD \$ 0.1686	per fiber pair Foot per fiber pair Foot per fiber pair Foot	
FEEDER - EXTENSION SEGMENT AND DISTRIBUTION SEGMENT Average Unit Investment for FIBER cable, Installed as		AERIAL \$ 0.2823 BURIED \$ 0.2694 UNDGRD \$ 0.1686	\$ 0.0000 \$ 0.0000 \$ 0.0000	per fiber pair Foot per fiber pair Foot per fiber pair Foot
		(Fiber Hub to Remote Terminal) (Remote Terminal to Service Point)		

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TABLE - SPAN_INV		LOOP FACILITY INPUT		LCAT Ver: 1.0.4
SHEET 1A / 4		FIBER CABLE DATA - BY CABLE SHEATH DETAIL		Issued: 07/31/95
COMPANY: CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996		STUDY YR: 1996
CITY / AREA: CINCINNATI		LOOP STUDY YEAR: 1996		TEST CASE: 1
STATE / PROV: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE		LAST UPDATE: 09-Dec-96
				TIME: 14:36

FIBER OPTIC CABLE INVESTMENT REFERENCE TABLE

<u>Cable Sheath Sizes</u>		<u>CAPACITY</u>	Unit Investment per Cable Pair Foot, by Cable Type, by Cable Size		
		<u>INDEX</u>	<u>AERIAL</u>	<u>BURIED</u>	<u>UNDERGROUND</u>
4	Fiber Cable	2 pr	\$	\$	\$
6	Fiber Cable	3 pr	\$	\$	\$
12	Fiber Cable	6 pr	\$	\$	\$
18	Fiber Cable	9 pr	\$	\$	\$
24	Fiber Cable	12 pr	\$	\$	\$
36	Fiber Cable	18 pr	\$	\$	\$
48	Fiber Cable	24 pr	\$	\$	\$
60	Fiber Cable	30 pr	\$	\$	\$
72	Fiber Cable	36 pr	\$	\$	\$
84	Fiber Cable	42 pr	\$	\$	\$
96	Fiber Cable	48 pr	\$	\$	\$
144	Fiber Cable	72 pr	\$	\$	\$
192	Fiber Cable	96 pr	\$	\$	\$
216	Fiber Cable	108 pr	\$	\$	\$

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C:\123R24\LCATR077\FACILITY
TABLE - SPAN_INV
SHEET 1 / 4

HELP SCREEN

Bellcore
LCAT Rel: 1.0.4
Issued: 07/31/95

***** THE INPUT DATA NAMES IN REC CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****

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CA123R24\LCATR07\FACILITY		LOOP COST ANALYSIS TOOL				Bellcore [®]																																																																				
TABLE - SPAN_INV SHEET 2 / 4 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT COPPER CABLE DATA FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: 8 AND 1 - BUSINESS LINE				LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 14:36																																																																				
COPPER CABLE CHARACTERISTICS AND INVESTMENTS																																																																										
Cable Gauge Mix : The Proportion of Copper Cable that is		GAUGE <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>26 GA.</td></tr> <tr><td>24 GA.</td></tr> <tr><td>22 GA.</td></tr> </table>	26 GA.	24 GA.	22 GA.	FEEDER SEGMENT <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0.1500</td></tr> <tr><td>0.8500</td></tr> <tr><td>0.0000</td></tr> </table>	0.1500	0.8500	0.0000	DISTRIBUTION SEGMENT <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0.1500</td></tr> <tr><td>0.8500</td></tr> <tr><td>0.0000</td></tr> </table>	0.1500	0.8500	0.0000	Unit Investment per Cable Pair Foot By Cable Type, By Cable Gauge : Update Cable Sheath Prices [Required with INDIVIDUAL Mode] on the FULL SET Input SHEET ? (Y / N) N If not, Update																																																												
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Cable Type Mix, By Gauge : The Proportion of Copper Cable that is		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>GAUGE</th> <th>FEEDER SEGMENT</th> <th>DISTRIBUTION SEGMENT</th> </tr> </thead> <tbody> <tr> <td rowspan="3">26 GA.</td> <td>AERIAL</td> <td>0.1200</td> <td>0.5900</td> </tr> <tr> <td>BURIED</td> <td>0.0000</td> <td>0.1600</td> </tr> <tr> <td>UNDGRND</td> <td>0.8800</td> <td>0.2500</td> </tr> <tr> <td rowspan="3">24 GA.</td> <td>AERIAL</td> <td>0.1200</td> <td>0.5900</td> </tr> <tr> <td>BURIED</td> <td>0.0000</td> <td>0.1600</td> </tr> <tr> <td>UNDGRND</td> <td>0.8800</td> <td>0.2500</td> </tr> <tr> <td rowspan="3">22 GA.</td> <td>AERIAL</td> <td>0.0000</td> <td>0.0000</td> </tr> <tr> <td>BURIED</td> <td>0.0000</td> <td>0.0000</td> </tr> <tr> <td>UNDGRND</td> <td>0.0000</td> <td>0.0000</td> </tr> </tbody> </table>			GAUGE	FEEDER SEGMENT	DISTRIBUTION SEGMENT	26 GA.	AERIAL	0.1200	0.5900	BURIED	0.0000	0.1600	UNDGRND	0.8800	0.2500	24 GA.	AERIAL	0.1200	0.5900	BURIED	0.0000	0.1600	UNDGRND	0.8800	0.2500	22 GA.	AERIAL	0.0000	0.0000	BURIED	0.0000	0.0000	UNDGRND	0.0000	0.0000	Average Unit Investment for Copper Cable Installed as <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>GAUGE</th> <th>FEEDER SEGMENT</th> <th>DISTRIBUTION SEGMENT</th> </tr> </thead> <tbody> <tr> <td rowspan="3">26 GA.</td> <td>AERIAL</td> <td>\$ 0.0121</td> <td>\$ 0.0397</td> </tr> <tr> <td>BURIED</td> <td>\$ 0.0166</td> <td>\$ 0.0657</td> </tr> <tr> <td>UNDGRND</td> <td>\$ 0.0109</td> <td>\$ 0.0569</td> </tr> <tr> <td rowspan="3">24 GA.</td> <td>AERIAL</td> <td>\$ 0.0121</td> <td>\$ 0.0397</td> </tr> <tr> <td>BURIED</td> <td>\$ 0.0166</td> <td>\$ 0.0657</td> </tr> <tr> <td>UNDGRND</td> <td>\$ 0.0109</td> <td>\$ 0.0569</td> </tr> <tr> <td rowspan="3">22 GA.</td> <td>AERIAL</td> <td>\$ 0.0000</td> <td>\$ 0.0000</td> </tr> <tr> <td>BURIED</td> <td>\$ 0.0000</td> <td>\$ 0.0000</td> </tr> <tr> <td>UNDGRND</td> <td>\$ 0.0000</td> <td>\$ 0.0000</td> </tr> </tbody> </table>				GAUGE	FEEDER SEGMENT	DISTRIBUTION SEGMENT	26 GA.	AERIAL	\$ 0.0121	\$ 0.0397	BURIED	\$ 0.0166	\$ 0.0657	UNDGRND	\$ 0.0109	\$ 0.0569	24 GA.	AERIAL	\$ 0.0121	\$ 0.0397	BURIED	\$ 0.0166	\$ 0.0657	UNDGRND	\$ 0.0109	\$ 0.0569	22 GA.	AERIAL	\$ 0.0000	\$ 0.0000	BURIED	\$ 0.0000	\$ 0.0000	UNDGRND	\$ 0.0000	\$ 0.0000
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	BURIED	\$ 0.0000	\$ 0.0000																																																																							
	UNDGRND	\$ 0.0000	\$ 0.0000																																																																							

NOTE : If the DROP WIRE resource Investment is avaralues, it may be backed out through input of the Drop Wire Unit
 Investment (Sheet 5) and the flagging of the Adjustment either there or on the ADJUST Input worksheet

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TABLE - SPAN_INV SHEET 2A / 4		LOOP FACILITY INPUT COPPER CABLE DATA - BY CABLE SHEATH DETAIL FOR						LCAT R&I: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-95 TIME: 14:35			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE/PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS LINE									
COPPER CABLE INVESTMENT REFERENCE TABLE											
Unit Investment Per Cable Pair Foot, By Cable Gauge, By Cable Type, By Cable Size											
Cable Sheath Sizes	Capacity	Gauge: =>	26 GA.			24 GA.			22 GA.		
		INDEX	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40	Copper Cable	20 pr									
50	Copper Cable	25 pr									
80	Copper Cable	40 pr									
100	Copper Cable	50 pr									
140	Copper Cable	70 pr									
200	Copper Cable	100 pr									
400	Copper Cable	200 pr									
600	Copper Cable	300 pr									
800	Copper Cable	400 pr									
1200	Copper Cable	600 pr									
1800	Copper Cable	900 pr									
2400	Copper Cable	1200 pr									
3000	Copper Cable	1500 pr									
3600	Copper Cable	1800 pr									
4200	Copper Cable	2100 pr									
4800	Copper Cable	2400 pr									
5400	Copper Cable	2700 pr									
6000	Copper Cable	3000 pr									
7200	Copper Cable	3600 pr									
8400	Copper Cable	4200 pr									

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TABLE - SPAN_INV
SHEET 2 / 4

HELP SCREEN

BellcoreTM
LCAT Rel: 1.0.4
Issued: 07/31/95

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****

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LCAT

INPUT SCREEN

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RATES PL/

LCAT

INPUT SCREEN

Page -2-

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C:\123R24\LCATR07\FACILITY.WK1

LOOP COST ANALYSIS TOOL

Bellcore (R)

SPAN INV - WORKSHEET
Sheet 1 / 3COPPER CABLE DISTRIBUTIONS MELDING
WORKSHEET A
FORLCAT R01: 1.0.4
Issue Date: 07/31/95
STUDY YR: 1996
TEST CASE: 1996
DATE: 1
LAST UPDATE: 09-Dec-96
TIME: 14:35COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE/PROV: OH:OFACILITY TYPE: COPPER CABLE
DESIGN TYPE: DISTRIBUTION SEGMENT
SERVICE CLASS: BAND 1 - BUSINESS LINE

DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...dst)	PER FOOT INVESTMENT (pft...ds)	CABLE GAUGE MIX (copper...dst)	ADJUSTED CABLE TYPE	ADJUSTED PR
CHARACTERISTICS FOR:	[A]	[B]	[C]	[D=A*C]	[E=B*C]
AERIAL @ 26 GA.	0.590000	\$ 0.039700	0.1500	0.088500	\$ 0.005955
BURIED @ 26 GA.	0.160000	\$ 0.065700	0.1500	0.024000	\$ 0.008855
UNDGRND @ 26 GA.	0.250000	\$ 0.056900	0.1500	0.037500	\$ 0.008535
AERIAL @ 24 GA.	0.590000	\$ 0.039700	0.8500	0.501500	\$ 0.033745
BURIED @ 24 GA.	0.160000	\$ 0.065700	0.8500	0.138000	\$ 0.055845
UNDGRND @ 24 GA.	0.250000	\$ 0.056900	0.8500	0.212500	\$ 0.048365
AERIAL @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000
BURIED @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000
UNDGRND @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000

--- TABLE 2 ---

DATA DESC.	CABLE TYPE MIX RANGE NAME	MELDED GAUGES
CHARACTERISTICS FOR:		[F=sum(D*TYPE)]
AERIAL		0.590000
BURIED		0.160000
UNDERGRND		0.250000

Check = 1.000000

--- TABLE 4 ---

PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES
[G=sum(E*TYPE)]	
\$ 0.039700	
\$ 0.065700	
\$ 0.056900	

Check = 1.000000

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FOOTNOTES

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LCAT

INPUT SCREEN

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CM123R24/LCATR077/FACILITY.WK1		LOOP COST ANALYSIS TOOL				Bellcore TM																																																																			
SPAN INV - WORKSHEET Sheet 2 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET A				LCAT R01: 1.0.4																																																																			
COMPANY: CINCINNATI BELL TEL.		FACILITY TYPE: COPPER CABLE				Issue Date: 07/31/95																																																																			
CITY / AREA: CINCINNATI		DESIGN TYPE: SUBFEEDER SEGMENT				STUDY YR: 1995																																																																			
STATE/PROV: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE				TEST CASE: 1995																																																																			
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FOOTNOTES																																																																									

C:\123R24\LCATR077\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore (R)
TABLE - SPAN_INV SHEET 3 / 4		LOOP FACILITY INPUT COPPER PAIR GAIN CABLE DATA FOR		LCAT Rel: 1.0.4 Issued: 07/31/95
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE/PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS LINE		STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 14:36
COPPER CABLE CHARACTERISTICS FOR CDLC SYSTEMS				
FOR DLC SYSTEMS ON COPPER LOOPS				
Cable Gauge :	Please Enter the NUMBER for 22 GA., 24 GA., or 26 GA. :			24
Pair Gain Factor :	(When Investment Utilities or Band Width Mix are NOT Used)			
	The Average Number Of Voice Grade Circuit Equivalents Per System :			96
	The Average Number Of Transmission Pairs Plus Protection Per System :			10
	The Average Number Of Support (Power, Alarm, Etc) Pairs Per System :			2
	Ratio Of Required Pairs To Derived Pairs [Pair Gain Factor] :			0.125
NOTE: ① The value represents the extent to which copper pairs are gained. For example, A 96 Channel System uses 4 Transmit Pairs, 4 Receive Pairs, 2 Protection Pairs and 2 Support Pairs (Test and Order Wire), Then the Derived Pairs would be the Sum of the Pairs divided by the Working Channels Or $(10 + 2) / 96 = 0.125$. When applied to segment length it becomes the Effective Length per Pair.				

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C:\123R24\LCATR07\FACILITY
TABLE - SPAN_INV
SHEET 3 / 4

HELP SCREEN

Bellcore (R)

LCAT Rel: 07/31/95
Issued: 07/31/95

pggauge	In CSA rules, a single gauge is preferred for CDLC
vgcheqv	Each CDLC has a voice grade equivalent, usually referred to as a ____ Channel System. Domestic systems are basic 96 Channel, whereas, International are 120 Channel
xmsnpr	CDLC uses a Transmit/Receive Pair for each direction (unidirectional), therefore, the basic structure is four sets of two pairs plus one protection set (10 pairs)
suptpr	CDLC is customarily supported by a power pair and an alarm pair (2 pair)
pgfactor	Where : pgfactor = (# of xmsnpr + # of suptpr) / vgcheqv

***** THE INPUT DATA NAMES IN RED CROSS - REFERENCE TO THEIR DATA CATALOG NAMES *****

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C:\123R24\LCAT077\FACILITY.WK1		LOOP COST ANALYSIS TOOL		Bellcore [®]	
SPAN INV - WORKSHEET Sheet 3 / 3		COPPER CABLE DISTRIBUTIONS MELD'NG WORKSHEET B		LCAT Rel: 1.04 Issue Date: 07/31/95	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: OHIO STATE / PROV: CINCINNATI		FOR FACILITY TYPE: COPPER CABLE for DLC DESIGN TYPE: FEEDER SEGMENT		STUDY YR: 1996 TEST CASE: 1996 DATE: 1 LAST UPDATE: 09-Dec-96 TIME: 14:36	
		SERVICE CLASS: BAND 1 - BUSINESS LINE			
INVESTMENT DEVELOPMENT FOR:		MELDED CABLE INVESTMENT PER PAIR FOOT LINE REPEATER EQUIPMENT			
DESCRIPTION	REPEATER SPACING	UNIT REPEATER INVESTMENT	REPEATER INVEST. PER FOOT		
	[A]	[B]	[C=B/A]		
LINE REPEATER AT 26 GA.	3500	\$ 0	\$ 0.000000		
LINE REPEATER AT 24 GA.	4500	\$ 0	\$ 0.000000		
LINE REPEATER AT 22 GA.	5500	\$ 0	\$ 0.000000		
TABLE 4 DEVELOPMENT FOR:		COPPER CABLE UNIT INVESTMENT		FOR DLC Gauge : 24.00 - TABLE 4 -	
ADJUSTED PAIR / FOOT INVESTMENT	PAIR / FOOT INVESTMENT BY CODE BY GAUGE 2 * (PFlogg)	REPEATER BY GAUGE (RPTR ggg)	WORKING CHANNEL INVESTMENT / FOOT (ADLCPFlogg)	WORKING CHANNEL INVESTMENT / FOOT (ADLCPFlogg)	
DESCRIPTION	[D]	[E=C]	[F=D+E]		
AERIAL @ 26 GA.	\$ 0.024200	\$ 0.000000	\$ 0.024200	\$ 0.024200	
BURIED @ 26 GA.	\$ 0.033200	\$ 0.000000	\$ 0.033200	\$ 0.033200	
UNDGRND @ 26 GA.	\$ 0.021800	\$ 0.000000	\$ 0.021800	\$ 0.021800	
AERIAL @ 24 GA.	\$ 0.024200	\$ 0.000000	\$ 0.024200	\$ 0.024200	
BURIED @ 24 GA.	\$ 0.033200	\$ 0.000000	\$ 0.033200	\$ 0.033200	
UNDGRND @ 24 GA.	\$ 0.021800	\$ 0.000000	\$ 0.021800	\$ 0.021800	
AERIAL @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
BURIED @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
UNDGRND @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
NOTES:					
① The Facility Table Investments are for each Cable Pair Foot, DLC Systems are 4 wire.					

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CA123R24 LCATR077 FACILITY		LOOP COST ANALYSIS TOOL		Bellcore [®]															
TABLE - SPAN_INV SHEET 4 / 4 COM: COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT SERVICE ACCESS SEGMENT FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS LINE		LCAT Rev: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-95 TIME: 14:36															
SERVICE ACCESS CHARACTERISTICS AND INVESTMENTS																			
AVERAGE UNIT MIX :		AVERAGE UNIT INVESTMENT :																	
The Average Number of Terminals in the Service Access Segment of a Loop -																			
Proportion of Loops that use.....	<table border="1" style="width: 100%;"> <tr> <td>Aerial</td> <td>0.00</td> </tr> <tr> <td>Buried</td> <td>0.00</td> </tr> </table>	Aerial	0.00	Buried	0.00	Per Unit Installation.....	<table border="1" style="width: 100%;"> <tr> <td>Aerial Termination</td> <td>0</td> </tr> <tr> <td>Buried Termination</td> <td>0</td> </tr> </table>	Aerial Termination	0	Buried Termination	0								
Aerial	0.00																		
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Aerial Termination	0																		
Buried Termination	0																		
The Average Drop Wire & Building Entrance Cable Installation -																			
Proportion of Loops that use..	<table border="1" style="width: 100%;"> <tr> <td>Aerial Wire Drops</td> <td>0.0000</td> </tr> <tr> <td>Buried Wire Drops</td> <td>0.0000</td> </tr> <tr> <td>Bldg Entrance Cable</td> <td>1.0000</td> </tr> <tr> <td>Aerial Coax/Wire Drops</td> <td>0.0000</td> </tr> </table>	Aerial Wire Drops	0.0000	Buried Wire Drops	0.0000	Bldg Entrance Cable	1.0000	Aerial Coax/Wire Drops	0.0000	Adjust Cable Pair Foot Invest. for DW Investment ? (Y/N) Per Unit Installation.....	<table border="1" style="width: 100%;"> <tr> <td>Aerial Wire Drops</td> <td>\$ 0.00</td> </tr> <tr> <td>Buried Wire Drops</td> <td>\$ 0.00</td> </tr> <tr> <td>Bldg Entrance Cable</td> <td>\$ 75.00</td> </tr> <tr> <td>Aerial Coax/Wire Drops</td> <td>\$ 0.00</td> </tr> </table>	Aerial Wire Drops	\$ 0.00	Buried Wire Drops	\$ 0.00	Bldg Entrance Cable	\$ 75.00	Aerial Coax/Wire Drops	\$ 0.00
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Aerial Coax/Wire Drops	\$ 0.00																		
The Average Intrabuilding Cable Installation -																			
Proportion of Installations with Intrabuilding Cable	<table border="1" style="width: 100%;"> <tr> <td>0.0000</td> </tr> </table>	0.0000	Per Instn for Intrabuilding Network Cable Pair	<table border="1" style="width: 100%;"> <tr> <td>\$ 0.00</td> </tr> </table>	\$ 0.00														
0.0000																			
\$ 0.00																			

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RLCATR077\FACILITY
SPAN_INV
4

HELP SCREEN

Belcore (R)
LCAT Rel: 1.0.4
Issued: 07/31/95

terna These terminals may include the Serving Area Interface Cross Box, Drop Wire Block, and/or the Network
termb interface Block summary per circuit pair installation investment.

adropinv These facility investments may also include Drop Wire Block and/or Network Interface summary per circuit
bdropinv pair installation investment.
bec
coaxinv

ibc This facility investment should include ALL the internal cross-connects and terminations for this type of
installation as a circuit pair installation investment.

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***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****

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C:\123R24\LCATR077\FACTORS		LOOP COST ANALYSIS TOOL		Belcore
TABLE - FACTORS SHEET 1 / 1		INVESTMENT RELATED FACTOR TABLES FOR ANNUALIZATION FACTORS		LCAT Rel: 1.0.4 Issued: 3/31/95
COMPANY: CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996	STUDY YR: 1996	TEST CASE: 1
CITY / AREA: CINCINNATI		STUDY YEAR: 1996	LAST UPDATE: 20-Jan-97	TIME: 12:52
STATE / PROV: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE		

plant list	PRICE INDEX	ANNUAL COST
LAND	1.0000	0.2232
BUILDING	1.0000	0.2847
BLDG ENTRANCE CABLE	1.0000	0.3832
INTRABLDG CABLE	1.0000	0.3832
AERIAL CABLE (COPPER)	1.0000	0.3943
BURIED CABLE (COPPER)	1.0000	0.3377
UNDERGROUND (CU) CA.	1.0000	0.3573
CO EQPT - LOW CAP TERM	1.0000	0.3791
CO EQPT - LOW CAP CHAN	1.0000	0.3791
CO EQPT - HI CAP TERM	1.0000	0.3791
CO EQPT - HI CAP CHAN	1.0000	0.3791
CO EQPT - ANALOG SW	1.0000	0.0000
CO EQPT - DIGITAL SW	1.0000	0.3791
AERIAL CABLE (FIBER)	1.0000	0.2893
BURIED CABLE (FIBER)	1.0000	0.2634
UNDERGROUND (FO) CA.	1.0000	0.2599
CONNECTORS	1.0000	0.3791
MISC. COM EQP & PWR	1.0000	0.3791
POLE LINE	1.0000	0.3717
CONDUIT	1.0000	0.2431

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C:\123R24\LCATR077\INVEST		LOOP COST ANALYSIS TOOL			Bellcore (R)	
TABLE - EQUIP_INV Sheet 1 of 1		DATA REFERENCE TABLE EQUIPMENT & OTHER INVESTMENTS FOR			LCAT Rel: 1.0.4 Issued: 07/31/95	
COMPANY: CINCINNATI BELL TEL		INVESTMENT YEAR: 1996			STUDY YR: 1996	
CITY / AREA: CINCINNATI		SERVICE LEVEL: NARBAND			TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE			LAST UPDATE: 09-Jan-97 15:21	
EQUIPMENT INVESTMENT (Including Engineer, Furnish, & Install Costs)						
		CENTRAL OFFICE			REMOTE LOCATION	
		LINE	CHANNEL	TERMINAL	CHANNEL	TERMINAL
AIR DRYERS INVESTMENT:						
For an AERIAL Installed Cable Pair				\$ 0.00		
For a BURIED Installed Cable Pair				\$ 0.00		
For an UNDERGROUND Installed Cable Pair				\$ 0.00		
CENTRAL OFFICE TERMINATION INVESTMENT:						
For each cable pair associated with twisted pair copper cable				\$ 0.00		
For each per cable pair associated with digital loop carrier technology				\$ 0.00		
COPPER LOOP CARRIER UNIT CIRCUIT INVESTMENT by SERVICE LEVEL:						
For each line repeater for one copper digroup (not svc lev)			\$ 0.00			
For an Office Repeater Bay for a T1 Line			\$ 0.00			
For a Universal DLC Equipment Arrangement			\$ 0.00	\$ 87.51	\$ 12.14	\$ 85.28
For an Integrated DLC Equipment Arrangement			\$ 0.00	\$ 0.00	\$ 0.00	\$ 85.28
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL:						
1. For a Hub with nonFiber Extensions or nonHub Arrangement			\$ 18.52	\$ 2.35	\$ 18.49	\$ 2.35
2. For a Hub with Fiber Extensions or a Fiber Ended Arrangement			\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
3. For a Fiber HUB and Fiber Remote Terminal Arrangement					\$ 0.00	\$ 0.00
4. For Fiber Ring Hub Arrangements (Extensions)					\$ 0.00	\$ 0.00
CEV HOUSING per CIRCUIT by SERVICE LEVEL:						
For CEV's used as fiber hubs for FO Multiplexer equipment						\$ 0.00
For CEV's used as remote terminals for CDLC equipment						\$ 0.00
[Unit Investment denotes average weighted unit E.F.I Investment at DS0, DS1, or DS3 service equiv.]						

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CA123R24\LCATR077\INVEST.WK1

TABLE - EQUIP_INV

HELP INFORMATION

BellcoreTM

LCAT Rel: 1.0.4

Issued: 07/31/95

LCAT Commands Description

This Command will allow the User -

EDIT To Enter Values with DIRECT Input on a cell by cell basis.
 CLEAR To Erase the Display's Current Data Values, then Perform DIRECT Input.

Line Items Description

This Equipment Item Represents -

Ofc Rept Bay A Wideband Special Service Circuits Requirement, included in other DLC COE LINE.
 Integrated DLC The DLC Class for Source Bandwidth from Digital Line Cards or DSX Term for DS1.
 Universal DLC The DLC Class for Source Bandwidth from Analog Subs Line Cards or Voice Grade Term.

See Circuit Designs :

COE Field Item 1	FITL/CDLC Hub Extension or FITL non-Hubbing Arrangements, CO End Equip.	2,3,4 & 6
REM Field Item 1	FITL/CDLC Hub Extension or FITL non-Hubbing Arrangements, REM End Equip.	2,3,4 & 6
COE Field Item 2	FITL Hubbed Arrangements, CO to HUB Span Equip, CO End.	1 & 5
REM Field Item 2	FITL Hubbed Arrangements, CO to HUB Span Equip, Remote Site.	1 & 5
REM Field Item 3	FITL Hubbed Arrangements, HUB to RT Span Equip, Remote Sites.	1 & 5
REM Field Item 4	FITL Hubbed Arrangements, RING Span Equip, HUB Sites.	1,2,5 & 6

**NOTE: THE DATA VALUES FOR THESE ITEMS SHOULD ALWAYS REPRESENT
 THE CIRCUIT EQUIVALENTS FOR THE BANDWIDTH DELIVERY OF THE STUDIED SERVICE**

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C:\123R24\LCATR077\LOADING		LOOP COST ANALYSIS TOOL		Bellcore (R)
TABLE - ADDNL INV Sheet 1 of 2 COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT RELATED FACTOR TABLES ADJUSTMENT AND LOADING FACTORS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS LINE		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 14:39
PLANT UTILIZATION FACTORS:				
Land	1.0000	ALL Non-Traffic Sensitive Equipment		1.0000
Building	1.0000	ALL Digital Loop Carrier Equip., or		0.7000
ALL Copper Cables, or		CO DLC Channel Unit		0.7000
Copper Feeder Cable	0.6000	REM DLC Channel Unit		0.7000
Copper Distribution Cable	0.3500	CO DLC Multiplex System		0.7000
Copper Entrance Cable	1.0000	REM DLC Multiplex System		0.7000
Copper Building Cable	0.3500	CO Digital Signal Crossconnect Bay		0.7000
Copper Building Terminal	0.3500	REM Digital Signal Crossconnect Bay		0.7000
ALL Fiber Cables, or		ALL Fiber Optic Multiplex Equip., or		1.0000
Fiber Feeder Cable	0.3900	CO Fiber Optic Channel Unit		1.0000
Fiber Distribution Cable		REM Fiber Optic Channel Unit		1.0000
Fiber Entrance Cable		CO Fiber Optic Multiplex System		1.0000
Fiber Building Cable		REM Fiber Optic Multiplex System		1.0000
Fiber Building Terminal		CO Lightguide Terminating Equipment		1.0000
		REM Lightguide Terminating Equipment		1.0000
Poles	1.0000	Remote Housing: OEV		1.0000
Conduit	1.0000	PC H		1.0000
		Optim. Svc. Cab.		1.0000

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TABLE - ADDNL_INV
Sheet 1 of 2

HELP SCREEN**Belcore**®

LCAT Rel: 1.0.4

Issued: 3/31/95

NOTE:

- ① THIS VALUE REPRESENTS GLOBAL (CATEGORY 1) INPUT FOR THESE ITEMS.
AN ENTRY SETS CATEGORY 2 VALUES TO THE CATEGORY 1 VALUE BY THE SYSTEM.
- ② THE VALUES IN THIS TABLE REPRESENT DETAIL FACTORS (CATEGORY 2 VALUES).
THESE ITEMS ARE APPLIED IN THE COST EQUATIONS FOR THE COMPONENT THEY IDENTIFY.
ENTRIES NEGATE CATEGORY 1 VALUES BY THE SYSTEM.
- ③ THE DESIGNATION "CO" DENOTES CENTRAL OFFICE LOCATED.
THE DESIGNATION "REM" DENOTES REMOTE SITE LOCATED.

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***** CONCERNING ANY OTHER DATA INPUT ITEMS ON THIS DISPLAY *****

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

C:\123R24\LCATR077\LOADING		LOOP COST ANALYSIS TOOL		Bellcore [®]																																																											
TABLE - ADDNL INV Sheet 2 of 2 COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT RELATED FACTOR TABLES ADJUSTMENT AND LOADING FACTORS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - BUSINESS LINE		LCAT Ver: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 14:39																																																											
SEGMENT - DISTRIBUTION FEEDER ② use DEFAULT POLE LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Copper Cable Pole Investment Factor</td> <td style="text-align: center;">0.2530</td> <td style="text-align: center;">0.2530</td> </tr> <tr> <td>Copper Cable Pole Unit Investment</td> <td></td> <td></td> </tr> <tr> <td>Fiber Cable Pole Investment Factor</td> <td style="text-align: center;">0.1965</td> <td style="text-align: center;">0.1965</td> </tr> <tr> <td>Fiber Cable Pole Unit Investment</td> <td></td> <td></td> </tr> </table> CONDUIT LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Copper Cable Conduit Investment Factor</td> <td style="text-align: center;">0.5165</td> <td style="text-align: center;">0.5165</td> </tr> <tr> <td>Copper Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> <tr> <td>Fiber Cable Conduit Investment Factor</td> <td style="text-align: center;">0.5232</td> <td style="text-align: center;">0.5232</td> </tr> <tr> <td>Fiber Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> </table> DROP WIRE (DW) INVESTMENT ADJUSTMENT: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>The Cable PFI is being Adjusted for DW ?</td> <td style="text-align: center;">NO</td> </tr> <tr> <td>Aerial Cable</td> <td></td> </tr> <tr> <td>Buried Cable</td> <td></td> </tr> <tr> <td>Underground Cable</td> <td></td> </tr> </table> use DEFAULT ① ② for: CENT. OFC. REMOTE SITE LAND LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or ALL ①</td> <td style="text-align: center;">0.0056</td> <td style="text-align: center;">0.0056</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.0056</td> <td style="text-align: center;">0.0056</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.0056</td> <td style="text-align: center;">0.0056</td> </tr> </table> BUILDING LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or ALL ①</td> <td style="text-align: center;">0.1316</td> <td style="text-align: center;">0.1316</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.1316</td> <td style="text-align: center;">0.1316</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.1316</td> <td style="text-align: center;">0.1316</td> </tr> </table> MISC. EQUIPMENT & POWER LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or ALL ①</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> </table>					Copper Cable Pole Investment Factor	0.2530	0.2530	Copper Cable Pole Unit Investment			Fiber Cable Pole Investment Factor	0.1965	0.1965	Fiber Cable Pole Unit Investment			Copper Cable Conduit Investment Factor	0.5165	0.5165	Copper Cable Conduit Unit Investment			Fiber Cable Conduit Investment Factor	0.5232	0.5232	Fiber Cable Conduit Unit Investment			The Cable PFI is being Adjusted for DW ?	NO	Aerial Cable		Buried Cable		Underground Cable		Other or ALL ①	0.0056	0.0056	Digital Loop Carrier	0.0056	0.0056	Fiber Optic Mux	0.0056	0.0056	Other or ALL ①	0.1316	0.1316	Digital Loop Carrier	0.1316	0.1316	Fiber Optic Mux	0.1316	0.1316	Other or ALL ①	0.1127	0.1127	Digital Loop Carrier	0.1127	0.1127	Fiber Optic Mux	0.1127	0.1127
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TABLE - ADDNL_INV
Sheet 2 of 2

HELP SCREEN**Belcore** (R)

LCAT Rel : 1.0.4
Issued : 3/31/95

Copper Cable Pole Investment Factor	cpiff	_dst	_fdr	Based on aerial copper cable investment relationship to pole
Copper Cable Pole Unit Investment	cpufi	_dst	_fdr	Per unit length of aerial copper cable effective pair feet placed.
Fiber Cable Pole Investment Factor	fpiff	_dst	_fdr	Based on aerial fiber cable investment relationship to pole
Fiber Cable Pole Unit Investment	fpufi	_dst	_fdr	Per unit length of aerial fiber cable effective pair feet placed.
Copper Cable Conduit Investment Factor	cucff	_dst	_fdr	Based on underground copper cable investment relationship to conduit investment
Copper Cable Conduit Unit Investment	cucfi	_dst	_fdr	Per unit length of underground copper cable effective pair feet placed.
Fiber Cable Conduit Investment Factor	fucff	_dst	_fdr	Based on underground fiber cable investment relationship to conduit investment
Fiber Cable Conduit Unit Investment	fucfi	_dst	_fdr	Per unit length of underground fiber cable effective pair feet placed.

NOTES

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C:\123R24\LCATR077 SPAN		LOOP COST ANALYSIS TOOL		Bellcore (R)																		
INPUT - PLANT_CHAR. Sheet 1 / 5 COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS FOR INVESTMENT YEAR : 1996 LOOP STUDY YEAR : 1996 SERVICE CLASS : BAND 1 - BUSINESS LINE		LCAT Rel: 1.0.4 Issued : 07/31/95 STUDY YR : 1996 TEST CASE : 1 LAST UPDATE : 09-Dec-95 TIME : 14:44																		
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY																						
LOOP TOPOLOGY Loop FEEDER Network Configuration is (S)tar Or (R)ing Average Number Of Hubs In Each Ring Loop DISTRIBUTION Network Configuration is (S)tar or (B)us SPAN LENGTHS ① Average Distance From the Central Office to the Service Access Point ② Average Distance From the Serving Area Interface to the Service Access Point ③ Average Distance From the Remote Terminal to the Serving Area Interface ④ Average Distance From the Central Office to the Fiber Hub or S.A.I. ⑤ Average Distance From the Fiber Hub to the Remote Terminal		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">ACTION SEGMENT</th> </tr> </thead> <tbody> <tr> <td>PRIMARY</td> <td>STAR</td> </tr> <tr> <td>PRIMARY</td> <td>NA</td> </tr> <tr> <td>DISTRIBUTION</td> <td>STAR</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>TOTAL LOOP</td> <td>15677.0</td> </tr> <tr> <td>DISTRIBUTION</td> <td>2046.0</td> </tr> <tr> <td>SUB-PRIMARY</td> <td>300.0</td> </tr> <tr> <td>PRIMARY</td> <td>13331.0</td> </tr> <tr> <td>PRIMARY-EXTENSION</td> <td></td> </tr> </tbody> </table>			ACTION SEGMENT		PRIMARY	STAR	PRIMARY	NA	DISTRIBUTION	STAR	TOTAL LOOP	15677.0	DISTRIBUTION	2046.0	SUB-PRIMARY	300.0	PRIMARY	13331.0	PRIMARY-EXTENSION	
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LOOP LENGTH AT EACH COST BAND BAND 1 BAND 2 BAND 3 BAND 4 BAND 5		DISTRIBUTION OF COST BANDS IN THE NETWORK BAND 1 BAND 2 BAND 3 BAND 4 BAND 5																				
LAST 15677.0		LAST 1.0000 1.0000 Hint																				

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C:\123R24\LCATR077\SPAN		LOOP COST ANALYSIS TOOL		Bellcore (R)	
INPUT - PLANT_CHAR. Sheet 1 / 1		LOOP FACILITY INPUT		LCAT Rel : 1.0.4	
COMPANY: CINCINNATI BELL TEL.		LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS		Issued : 07/31/95	
CITY / AREA: CINCINNATI		FOR		STUDY YR : 1996	
STATE / PROV: OHIO		INVESTMENT YEAR : 1996		TEST CASE : 1	
		LOOP STUDY YEAR : 1996		LAST UPDATE : 09-Dec-96	
		SERVICE CLASS : BAND 1 - BUSINESS LINE		TIME : 14:44	
<u>FLAT RATE BASIS DATA WITHOUT COST BANDS</u> <u>FOR A NETWORK CIRCUIT CASE STUDY</u>					
LOOP LENGTH ① 15677 FEET					
DROP DISTRIBUTION FEEDER ② ③					
2048 FEET 300.0 FEET 13363 FEET					
SUB-PRIMARY FIBER DISTRIBUTION EXTENSION PRIMARY					
④ ⑤ ⑥ ⑦					
NETWORK INTERFACE SERVICE ACCESS POINT SERVING AREA INTERFACE REMOTE TERMINAL (LOOP MULTIPLEX INTERFACE) REMOTE NODE (LOOP TRANSFER) FIBER HUB END OFFICE					

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LOOP COST ANALYSIS TOOLBellcoreTMINPUT - PLANT_CHAR.
Sheet 1 of 2LOOP FACILITY INPUT
HELP SCREENLCAT Rel : 1.0.4
Issued : 07/31/95**AVERAGE NETWORK STUDY -**

This mode of LCAT is used where the cost study may be broad in scope and lack sufficient detail data to use the Loop OSP cost calculators on Sheets 2, 3, and 4. Instead, it relies on table data from the FACILITY file, representing jurisdictional average value mixes or proportions. Input for these values is placed on Sheet 1.

INDIVIDUAL CIRCUIT STUDY -

This mode of LCAT is used to cost study circuit specifics on an Individual Circuit Basis for Request For Proposals, Special Constructions, and CENTREX-like Services. Data input is usually actual per the circuit configuration's span by span requirements as detailed by Product Management. This mode will require the use of the Loop OSP calculators on Sheets 2, 3, and 4.

DATA SAMPLE NETWORK STUDY -

This mode of LCAT functions well with the Loop OSP cost calculators on Sheets 2, 3, and 4. The data samples are inputted on the sheets cumulatively and cost calculated directly. Then the weightings formulae are applied to create an average weighted Loop cost per pair foot.

BANDWIDTH AVERAGING -

This feature of LCAT permits study level weighting of fiber multiplexer bandwidth transport. The range of multiplexers goes from 1.5 Mbps through 1.7 Gbps and separating the mix of usage develops a more precise unit investment to the feeder calculations.

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****

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LOOP COST ANALYSIS TOOL

Bellcore[®]

INPUT - PLANT_CHAR

Sheet 2 of 2

HELP SCREEN

LCAT Rel : 11.0.4

Issued : 07/31/95

COST DETAILS

When the Loop Study is specified as DISTANCE SENSITIVE, the data required is inputted as part of STUDY SETUP input and the ROUTE TO AIR RATIO [B] on WORKSHEET F and the resultant Rate Band delimiters are copied into the RATE BANDS field on SCREEN 1 by the System. The SPAN LENGTHS data is input by the User.

When the Loop Study is specified as FLAT RATE, then ALL the data required is input on SCREEN 1 in the COST BANDS field and/or SPAN LENGTHS field by the User.

LOOP TOPOLOGY

When the Loop Topology (circuit layout format) for the Feeder Layer is specified as STAR, the Primary Feeder (C.O. to HUB) is variable and the Feeder Extension (HUB to R.T.) is held as an average length link. When the Loop Topology is specified as RING, the Primary Feeder is held as an average length link and the Feeder Extension is variable. This Input Sheet is adjusted to each possibility. The SPAN LENGTHS input cells are rearranged to support the Topology specified and only request the necessary data that is required.

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
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C:\123R24\LCATR077\SPAN		LOOP COST ANALYSIS TOOL				Bellcore (R)		
INPUT - PLANT_CHAR.		LOOP FACILITY INPUT				LCAT Rel: 1.0.4		
Sheet 2a / 5		FIBER OPTIC CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER				Issued: 07/31/95		
COMPANY: 0		INVESTMENT YEAR: 1996				STUDY YR: 1996		
CITY / AREA: 0		LOOP STUDY YEAR: 1996				TEST CASE: 1		
STATE / PROV: 0		SERVICE CLASS: BAND 1 - BUSINESS LINE				LAST UPDATE: 06-Dec-96		
						TIME: 14:44		
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET A				
		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER		
		CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	
CAPACITY [C]		idx	[D _A]	[E _A]	[D _B]	[E _B]	[D _U]	
							[E=D/C]	
4	FIBER CABLE	2 pr		0.0		0.0		0.0
6	FIBER CABLE	3 pr		0.0		0.0		0.0
12	FIBER CABLE	6 pr		0.0		0.0		0.0
18	FIBER CABLE	9 pr		0.0		0.0		0.0
24	FIBER CABLE	12 pr		0.0		0.0		0.0
36	FIBER CABLE	18 pr		0.0		0.0		0.0
48	FIBER CABLE	24 pr		0.0		0.0		0.0
60	FIBER CABLE	30 pr		0.0		0.0		0.0
72	FIBER CABLE	36 pr		0.0		0.0		0.0
84	FIBER CABLE	42 pr		0.0		0.0		0.0
96	FIBER CABLE	48 pr		0.0		0.0		0.0
144	FIBER CABLE	72 pr		0.0		0.0		0.0
192	FIBER CABLE	96 pr		0.0		0.0		0.0
216	FIBER CABLE	108 pr		0.0		0.0		0.0
CUMULATIVE LENGTHS OF FEEDER:								
AERIAL FIBER SUBTOTAL			0					0.0
BURIED FIBER SUBTOTAL			0					0.0
UNDGRD FIBER SUBTOTAL			0					0.0
FIBER SUBTOTAL			0					0.0
EFFECTIVE CABLE LENGTHS BY CABLE PAIR FOOT:								
AERIAL FIBER SUBTOTAL								0.0
BURIED FIBER SUBTOTAL								0.0
UNDGRD FIBER SUBTOTAL								0.0
FIBER SUBTOTAL								0.0

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C:\123R24\LCATR077\SPAN		LOOP COST ANALYSIS TOOL				Bellcore [®]			
PLANT CHAR - WORKSHEET 2B Sheet 2b / 5		LOOP FACILITY INPUT FIBER OPTIC CABLE SPAN INVESTMENT FOR THE FEEDER LAYER				LCAT Rel : 1.0.4 Issued : 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996				STUDY YR : 1996 TEST CASE : 1			
STATE: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE				LAST UPDATE: 09-Dec-96 TIME : 14:44			
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET B					
EFFECTIVE CHANNEL LENGTH BY CABLE PAIR FOOT [A] = [E] WKSH A / [F] WKSH C CUMULATIVE INVESTMENT BY CABLE CHANNEL FOOT [B] = [A] * [C] * UNIT INV FACILITY WKSH B									
For these sizes ...		CAPACITY (C)	idx	AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
				(A)	(B)	(A)	(B)	(A)	(B)
4	FIBER CABLE	2 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
6	FIBER CABLE	3 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
12	FIBER CABLE	6 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
18	FIBER CABLE	9 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
24	FIBER CABLE	12 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
36	FIBER CABLE	18 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
48	FIBER CABLE	24 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
60	FIBER CABLE	30 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
72	FIBER CABLE	36 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
84	FIBER CABLE	42 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
96	FIBER CABLE	48 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
144	FIBER CABLE	72 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
192	FIBER CABLE	96 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
216	FIBER CABLE	108 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
SUBTOTAL				\$ 0.00		\$ 0.00		\$ 0.00	
				TOTAL		TOTAL		TOTAL	

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LOOP COST ANALYSIS TOOL

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INPUT - PLANT_CHAR.
Sheet 3a / 5COPPER CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER
FOR

LCAT Rel :1.0.4

Issued : 07/31/95

STUDY YR : 1996

TEST CASE : 1

LAST UPDATE: 09-Dec-96

TIME: 14:44

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIOINVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 1 - BUSINESS

NETWORK CIRCUIT LAYOUT STUDIES

WORKSHEET A
CUMULATIVE LENGTHS BY CABLE PAIR FOOT

CABLE SHEATH SIZES	CAPACITY 10X	26 GA.			24 GA.			22 GA.			
		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	
40 COPPER CABLE	20 pr										
50 COPPER CABLE	25 pr										
80 COPPER CABLE	40 pr										
100 COPPER CABLE	50 pr										
140 COPPER CABLE	70 pr										
200 COPPER CABLE	100 pr										
400 COPPER CABLE	200 pr										
600 COPPER CABLE	300 pr										
800 COPPER CABLE	400 pr										
1200 COPPER CABLE	600 pr										
1800 COPPER CABLE	900 pr										
2400 COPPER CABLE	1200 pr										
3000 COPPER CABLE	1500 pr										
3600 COPPER CABLE	1800 pr										
4200 COPPER CABLE	2100 pr										
4800 COPPER CABLE	2400 pr										0.0
5400 COPPER CABLE	2700 pr										fdacprf
6000 COPPER CABLE	3000 pr										0.0
7200 COPPER CABLE	3600 pr										fdacprf
8400 COPPER CABLE	4200 pr										0.0
SUB TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	fdacprf
TOTALS				0.0			0.0			0.0	0.0
											fdacprf

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PLANT CHAR - WORKSHEET 3B Sheet 3b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE FEEDER LAYER FOR						LCAT Rel : 1.0.4 Issued : 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 09-Dec-96 TIME : 14:44			
NETWORK CIRCUIT LAYOUT STUDIES		SERVICE CLASS: BAND 1 - BUSINESS						WORKSHEET B			
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
	idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00					
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00

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C:\123R24\LCATR077\SPAN		LOOP COST ANALYSIS TOOL						Bellcore			
PLANT CHAR - WORKSHEET 4B Sheet 4b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE DISTRIBUTION LAYER FOR						LCAT Rel : 1.0.4 Issued : 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE : 1			
STATE: OHIO		SERVICE CLASS: BAND 1 - BUSINESS						LAST UPDATE: 09-Dec-96 TIME: 14:44			
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET B							
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
	idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00		
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00

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Sheet 5 / 5

LOOP COST ANALYSIS TOOL

INPUT - PLANT_CHAR.

DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX

LOOP FACILITY INPUT

FOR

COMPANY: CINCINNATI BELL TEL

CITY / AREA: CINCINNATI

STATE / PROV: OHIO

INVESTMENT YEAR: 1996

LOOP STUDY YEAR: 1996

SERVICE CLASS: BAND 1 - BUSINESS LINE

LCAT Ref: 1.0.4

Issued: 07/31/95

STUDY YR: 1996

TEST CASE: 1

LAST UPDATE: 09-Dec-95

TIME: 14:44

FIBER BANDWIDTH

TRANSMISSION FLOW IS: ☒ UNIDIRECTIONAL

☐ BIDIRECTIONAL

LEVEL OF SERVICE:

BITRATE INDEX	1	2	3	4	5	6	7	SERVICE LEVEL	PROTECTION	WEIGHTED EQUIVALENT CHANNELS
FIBER BANDWIDTH	45 Mbps	90 Mbps	155 Mbps	180 Mbps	0	0	0			
MUX DS3 MULTIPLIER	1	2	3	4	0	0	0			
VOICE GRADE CHANNELS	672	1344	2016	2688	0	0	0			
								MULTIPLE [SLM]	n: 1 [E]	PERFO PAR [F]
FEEDER - PRIMARY	0.0000	0.1370	0.7810	0.0820	0.0000	0.0000	0.0000	2	1	1979.04
FEEDER - EXTENSION	0.0000	0.1370	0.7810	0.0820	0.0000	0.0000	0.0000	2	1	1979.04

FOOTNOTES

1 Where Service Level Multiple EQUALS {1 for NARBAND, 28 for WIDEBAND, 672 for BRDBAND, TIMES {2 for Unidirectional and 1 for Bidirectional}.

2 Where Wtd Eqv Chan per FO Pr [F] EQUALS {The Avg Wtd VGE for BR1 -> 7} DIVIDED BY {The [SLM]} TIMES {1 PLUS 1 OVER PROT [E]}

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PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

LCAT Rel: 1.0.4
Issued: 07/31/95
STUDY YR: 1995
TEST CASE: 1
LAST UPDATE: 09-Dec-95
TIME: 14:44

WORKSHEET DS

DIGITAL SIGNAL TABLE (digsig.tbl)						
SELECT	MODE	HIERARCHY	BNDWD	DS1MULT	DS3MULT	VEG
0		DS1	1.5 Mbps	1	0.04	24
1		DS1	1.5 Mbps	1	0.04	24
2	MODE3	VT1	1.5 Mbps	1	0.04	24
3		VT1	1.5 Mbps	1	0.04	24
4		VT2	2 Mbps	1	0	30
5		VT2	2 Mbps	1	0.06	30
6	MODE1	DS1C	3.2 Mbps	NA	0	48
7	MODE2	DS1C	3.2 Mbps	2	0.07	48
8		VT3	3.2 Mbps	2	0.07	58
9		VT3	3.2 Mbps	2	0	60
10		DS2	6.3 Mbps	4	0.14	72
11	MODE4	DS2	6.3 Mbps	NA	0	72
12		VT6	6.3 Mbps	4	0.14	84
13		VT6	6.3 Mbps	4	0.25	120
14		E3	34 Mbps	16	1	480
15		DS3	45 Mbps	28	1	572
16	X	SYS1	OC1	50 Mbps	28	1
17			90 Mbps		2	1344
18			90 Mbps		2	1344
19		DS4	135 Mbps	3	3	2016
20		DS4	135 Mbps	3	3	2016
21		DS4NA	139 Mbps	3	3	2016
22		E4	140 Mbps	3	3	1920
23		14M	139 Mbps	3	6	4032
24		P140	139 Mbps	3	6	4032
25	X	OC3	155 Mbps	3	3	2016
26	X		180 Mbps	4	4	2688
27			417 Mbps	9	9	6048
28		OC9	466 Mbps	9	9	6048
29		OC12	560 Mbps	12	12	7680
30			565 Mbps	12	12	8064
31			1.2 Gbps	24	24	16128
32			1.7 Gbps	36	36	24192
33		OC24	1.8 Gbps	24	24	24192
34			2.5 Gbps	24	24	34560
35						
36						
OFFSET						
	0	1	2	3	4	5

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PLANT_CHAR. - WORKSHEET F
Sheet 1 of 1

LOOP LENGTH DEVELOPMENT WORKSHEET

LCAT Rel: 1.0.4

Issued: 07/31/95

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE: OHIOFOR
INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 1 - BUSINESS I
WORKSHEET FSTUDY YR.: 1996
TEST CASE: 1
LAST UPDATE: 09-Dec-96
TIME: 14:44

[A] BAND NUMBER [C]	DISTANCE INCREMENTS: NUMBER OF BANDS: TOTAL WORKING FEET [D=input]	0 / 4 MILE BETWEEN BANDS 0 TO BE CARRIED INTO THE STUDY TOTAL WORKING FEET [E=(B*D)]	[R] TOTAL AIR FEET [F=A*C*K]	ROUTE TO A/R RATIO: UNIT MILE / FEET CONSTANT: LOOP LENGTH @ MIDPOINT [G (see note)]	1.539947 1320 WORKING FEET @ MIDPOINT [H=G*R]
1		0		0	0
2		0		0	0
3		0		0	0
4		0		0	0
5		0		0	0

NOTE - SPAN MIDPOINT [G] equals the SQRT((F_{CURR}²/2) + (F_{PREV}²/2))

ERROR MESSAG 0

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C:\123R24\LCAT077\SPAN		LOOP COST ANALYSIS TOOL										Bellcore 08
PLANT CHAR. - WORKSHEET SA Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		WORKSHEET SA										LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Dec-96 TIME: 14:44
Sub Feeder Allocation Table												
OFFSET 0 1 2 3 4 5 6 7 8 9 10												
Sub Feeder Allocation Table Segment alloc												
cur_lplgth = 15877 NO COLOCATED dstopo = BUS COLOCATED AT AND CP, where dcldepl = 12000 dstopo = STAF dstopo = BUS COLOCATED Fdstopo = BUS [B] distspa = 2046 dstopo = STAF dstopo = BUS dstopo = STAF dstopo = BUS nom_range cur - disubfeed prifeed disubfeed prifeed disubfeed prifeed disubfeed prifeed disubfeed prifeed disubfeed												
[C] [D=C-1] [E] [F=D-1] [G] [H=D-G] [I] [J=C-1] [K] [L=C-K] [M=A-C]												
0	0	0	0	0	0	0	0	0	0	0	0	15877
500	0	0	0	0	0	0	0	500	0	500	0	15177
1000	0	0	0	0	0	0	0	1000	0	1000	0	14877
2000	0	0	0	0	0	0	0	2000	0	2000	0	13877
3000	954	954	0	954	0	0	0	3000	0	3000	0	12877
4000	1954	1954	0	1954	0	0	0	4000	0	4000	0	11877
5000	2954	2954	0	2954	0	0	0	5000	0	5000	0	10877
6000	3954	3954	0	3954	0	0	0	6000	0	6000	0	9877
7000	4954	4954	0	4954	0	0	0	7000	0	7000	0	8877
8000	5954	5954	0	5954	0	0	0	8000	0	8000	0	7877
9000	6954	6954	0	6954	0	0	0	9000	0	9000	0	6877
10000	7954	7954	0	7954	0	0	0	10000	0	10000	0	5877
11000	8954	8954	0	8954	0	0	0	11000	0	11000	0	4877
12000	9954	4977	4977	0	9954	6000	6000	0	12000	0	3677	
13000	10954	5477	5477	0	10954	6500	6500	0	13000	0	2677	
14000	11954	5977	5977	0	11954	7000	7000	0	14000	0	1677	
15000	12954	6477	6477	0	12954	7500	7500	0	15000	0	677	
16000	13954	6977	6977	0	13954	8000	8000	0	16000	0	-323	
17000	14954	7477	7477	1000	13954	8500	8500	0	17000	-1323		
18000	15954	7977	7977	2000	13954	9000	9000	1000	17000	-2323		
19000	16954	8477	8477	3000	13954	9500	9500	2000	17000	-3323		
20000	17954	8977	8977	4000	13954	10000	10000	3000	17000	-4323		
80000	77954	9954	68000	5000	72954	9954	70046	4000	76000	-64323		

RULES
ASSUMPTION - Table LOOKUP will select from the lower NOM_RANGE of a CUR_LPLGTH intermediate value
 If CUR_LPLGTH is
 = < DISTSPAN, then CUR_SEGLGTH^{OST} Equals CUR_LPLGTH - NOM_RANGE difference
 > DISTSPAN and < DLCDEPL, then CUR_SEGLGTH^{OST} Equals CUR_LPLGTH - NOM_RANGE difference
 = > DLCDEPL, then CUR_SEGLGTH^{OST} Equals CUR_LPLGTH - NOM_RANGE difference

CUR_SEGLGTH - Calculation Assumptions
 The DISTSPAN can not exceed the DLCDEPL value input on CRITERIA.
 Therefore, set the DLCDEPL at the DISTSPAN to get an ALL FIBER Network.

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OHIO ONLY
3 Geographic Areas

07/26/96
Revised

Band 1

1 0-12,000
2 # Of Entries
3 12,001-INFINITY
4 # Of Entries
5 Ratio
6 0-12,000
7 12,001-INFINITY

Residence			Business		
Average F1 Length	Average F2 Length	Average Loop	Average F1 Length	Average F2 Length	Average Loop
A	B	C	D	E	F
6,081	1,103	7,184	5,765	638	6,403
107			255		
14,881	2,346	17,226	13,630	2,046	15,677
53			38		
0.5744			0.7433		
0.4256			0.2567		
1.0000			1.0000		

Band 2

8 0-14,000
9 # Of Entries
10 14,001-INFINITY
11 # Of Entries
12 Ratio
13 0-14,000
14 14,001-INFINITY

6,697	1,836	8,534	5,698	1,013	6,711
69			90		
19,582	2,699	22,282	21,785	1,989	23,774
70			74		
0.4984			0.5488		
0.5036			0.4512		
1.0000			1.0000		

Band 3

15 0-18,000
16 # Of Entries
17 18,001-INFINITY
18 # Of Entries
19 Ratio
20 0-18,000
21 18,001-INFINITY

4,845	1,981	6,825	4,512	1,095	5,608
46			41		
23,301	4,826	28,127	23,881	3,479	27,360
56			30		
0.4510			0.5775		
0.5490			0.4225		
1.0000			1.0000		

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Ex 20

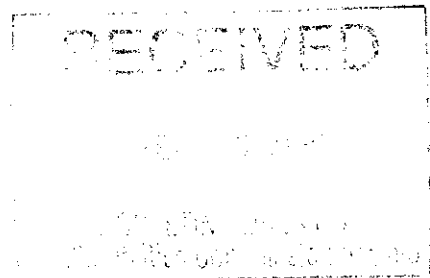


EXHIBIT NOs.
10-12

OHIO ONLY
REVISED JAN 1997 VERSION
BAND 2
BUSINESS LINE
UNBUNDLED

MEI DEPO.
EX. NO. 10
CDR 11-26-97

INDEX

BAND 2

Business Line

Copper Study -	Results.....	Tab 1
	Outputs.....	Tab 2
	Inputs.....	Tab 3
	Miscellaneous	Tab 4
Digital Loop Carrier Study -	Results	Tab 5
	Outputs.....	Tab 6
	Inputs.....	Tab 7
	Miscellaneous	Tab 8

A. B C D E F G	LOOP COST ANALYSIS TOOL							Bellicore [®]	
	PROSPECTIVE INVESTMENT SUMMARY REPORT							LCAT Rel: 1.0.4 Issued: 7/31/95	
0	C:\123R24\LCATR078\RESULTS1							STUDY YR: 1996	
1	OUTPUT - REPORT D							TEST CASE: 1	
2	SHEET 1 of 1							RUN DATE: 27-Jan-97	
3	COMPANY: CINCINNATI BELL TEL							TIME: 10:25	
4	CITY / AREA: CINCINNATI								
5	STATE / PROV: OHIO								
6	JOB IDENT: CINCINNATI								
7	CIRCUIT DESIGN: TOTAL TECHNOLOGIES								
8	LOOP SPAN DIVISION: ALL LOOP SPANS								
9	SERVICE CLASS: BAND 2 - BUSINESS LINE								
10	TOTAL LOOP LENGTH: 6711 FEET								
11	Loop Span Set Weighting: 1								
12	UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							WEIGHTED TOTAL LOOP	
13	PLANT NAME ----- FEEDER ----- DISTRIBUTION NETWORK								
14	SEG. NAME PRIMARY EXTENSION SUB- INTERFACE								
15	EQPT								
16	CODE								
17	PLANT								
18	ITEM DESCRIPTION								
19	SEG. LGTH.								
20	<u>SHARED RESOURCES</u>								
21	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
22	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
23	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
24	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
25	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
26	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
27	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
28	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
29	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
30	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
31	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
32	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
33	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
34	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
35	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
36	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
37	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
38	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
39	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
40	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
41	<u>DIRECT RESOURCES</u>								
42	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
43	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
44	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.3950	
45	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
46	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 1.08	\$ 2.51	\$ 0.00	\$ 3.5900	
47	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.11	\$ 1.80	\$ 0.00	\$ 1.9100	
48	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 2.15	\$ 0.25	\$ 0.00	\$ 2.4000	
49	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
50	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
51	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
52	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
53	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
54	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
55	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
56	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
57	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
58	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
59	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
60	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.60	\$ 0.00	\$ 0.8600	
61	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.75	\$ 0.09	\$ 0.00	\$ 0.8400	
62	SPAN SUMMARY							\$ 12.00	
63								\$ 12.00	

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C:\123R24\LCATR078\RESULTS1
OUTPUT - COST_REPORTS

Belcore^(R)
LCAT
Release: 1.0.4
Issued: 7/31/95

LOOP COST ANALYSIS TOOL

COST MODEL - INVESTMENT BY ACCOUNT REPORTS

STUDY NAME: 1996 BAND 2 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 0 - 14000 FEET INT

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	PROPERTY	LAST SAVE
FR/DS	FLAT RATE	#BANDS	0	20-Jan-97
SVC LEVEL	NARBAND	#CKTS	1	13:48
CST METH	UN INCR	INV LEVEL	LANNCOST	TIME

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GCA123R24\LCATR078\RESULTS1
OUTPUT - WORKSHEET D
SHEET 1 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARYBelcore[®]COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 1 CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - BUSINESS LINE
TOTAL LOOP LENGTH: 6711 FEETLCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:250
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Circuit Design Mix: 1.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

PLANT NAME	FEEDER	DISTRIBUTION NETWORK	TOTAL	TOTAL				
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE				
EQPT								
PLANT CODE								
ITEM DESCRIPTION								
SHARED RESOURCES								
LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
DIRECT RESOURCES								
LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.40			
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 1.08	\$ 2.51	\$ 3.59			
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.11	\$ 1.80	\$ 1.91			
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 2.15	\$ 0.25	\$ 2.40			
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
POLE LINE	1C	\$ 0.00	\$ 0.26	\$ 0.60	\$ 0.86			
CONDUIT	4C	\$ 0.00	\$ 0.75	\$ 0.09	\$ 0.84			
SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 4.35	\$ 5.25	\$ 2.40	\$ 12.00	\$ 12.00
CIRCUIT DESIGN SUMMARY							\$ 12.00	

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C:\123R24\LCATR078\RESULTS1 OUTPUT - WORKSHEET D SHEET 2 of 10		LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				Bellcore (R)	
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO JOB IDENT: CINCINNATI		CIRCUIT DESIGN: 2 CDLC LOOP SPAN DIVISION: ALL LOOP SPANS SERVICE CLASS: BAND 2 - BUSINESS LINE TOTAL LOOP LENGTH: 6711 FEET		LCAT Rel: 1.0.4 Issued: 7/31/95 STUDY YR: 1996 TEST CASE: 1 DATE: 27-Jan-97 TIME: 10:25			
Circuit Design Mix: 10.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					
PLANT	SEG. NAME	PRIMARY	FEEDER	SUB-	DISTRIBUTION NETWORK	TOTAL LOOP	WEIGHTED TOTAL LOOP
ITEM DESCRIPTION	EQPT CODE				INTERFACE		
SHARED RESOURCES							
LAND	20C					\$0	\$0
BUILDING	10C					\$0	\$0
BLDG ENTRANCE CABLE	12C					\$0	\$0
INTRABLDG CABLE	52C					\$0	\$0
AERIAL CABLE (COPPER)	22C					\$0	\$0
BURIED CABLE (COPPER)	45C					\$0	\$0
UNDERGROUND (CU) CA.	5C					\$0	\$0
CO EQPT - LOW CAP TERM	257C					\$0	\$0
CO EQPT - LOW CAP CHAN	257C					\$0	\$0
CO EQPT - HI CAP TERM	857C					\$0	\$0
CO EQPT - HI CAP CHAN	857C					\$0	\$0
CO EQPT - ANALOG SW	77C					\$0	\$0
CO EQPT - DIGITAL SW	377C					\$0	\$0
AERIAL CABLE (FIBER)	822C					\$0	\$0
BURIED CABLE (FIBER)	845C					\$0	\$0
UNDERGROUND (FO) CA.	85C					\$0	\$0
CONNECTORS	57C					\$0	\$0
MISC. COM EQP & PWR	57C					\$0	\$0
POLE LINE	1C					\$0	\$0
CONDUIT	4C					\$0	\$0
DIRECT RESOURCES							
LAND	20C					\$0	\$0
BUILDING	10C					\$0	\$0
BLDG ENTRANCE CABLE	12C					\$0	\$0
INTRABLDG CABLE	52C					\$0	\$0
AERIAL CABLE (COPPER)	22C					\$0	\$0
BURIED CABLE (COPPER)	45C					\$0	\$0
UNDERGROUND (CU) CA.	5C					\$0	\$0
CO EQPT - P GAIN TERM	257C					\$0	\$0
CO EQPT - P GAIN CHAN	257C					\$0	\$0
CO EQPT - FO MUX TERM	857C					\$0	\$0
CO EQPT - FO MUX CHAN	857C					\$0	\$0
CO EQPT - ANALOG SW	77C					\$0	\$0
CO EQPT - DIGITAL SW	377C					\$0	\$0
AERIAL CABLE (FIBER)	822C					\$0	\$0
BURIED CABLE (FIBER)	845C					\$0	\$0
UNDERGROUND (FO) CA.	85C					\$0	\$0
CONNECTORS	57C					\$0	\$0
MISC. COM EQP & PWR	57C					\$0	\$0
POLE LINE	1C					\$0	\$0
CONDUIT	4C					\$0	\$0
SPAN SUMMARY						\$0	\$0
CIRCUIT DESIGN SUMMARY						\$0	\$0

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GC:\123R24\LCATR078\RESULTS1
OUTPUT - WORKSHEET D
SHEET 3 of 10

LOOP COST ANALYSIS TOOL

PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore[®]

LCAT Rel: 1.0.4

Issued: 7/31/95

STUDY YR: 1996

TEST CASE: 1

RUN DATE: 27-Jan-97

TIME: 10:25

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: MELDED CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - BUSINESS LINE
TOTAL LOOP LENGTH: 6711 FEET

Technology Type Mix: 0.0000

UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

TECHNOLOGY

WEIGHTED

TOTAL

LOOP

PLANT NAME

FEEDER

DISTRIBUTION NETWORK

TOTAL

LOOP

SEG. NAME

PRIMARY

EXTENSION

SUB-

INTERFACE

EQPT
CODE

PLANT

ITEM DESCRIPTION

SHARED RESOURCES

8	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
9	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
10	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
11	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
12	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
13	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
14	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
15	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
16	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
17	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
18	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
19	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
20	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
21	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
22	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
23	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
24	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
25	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
26	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
27	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000

28

DIRECT RESOURCES

30	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
31	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
32	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.40	\$ 0.0000
33	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
34	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 1.08	\$ 2.51	\$ 0.00	\$ 3.59	\$ 0.0000
35	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.11	\$ 1.80	\$ 0.00	\$ 1.91	\$ 0.0000
36	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 2.15	\$ 0.25	\$ 0.00	\$ 2.40	\$ 0.0000
37	CO EQPT - P GAIN TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
38	CO EQPT - P GAIN CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
39	CO EQPT - FO MUX TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
40	CO EQPT - FO MUX CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
41	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
42	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
43	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
44	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
45	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
46	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
47	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
48	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.60	\$ 0.00	\$ 0.86	\$ 0.0000
49	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.75	\$ 0.09	\$ 0.00	\$ 0.84	\$ 0.0000

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SPAN SUMMARY

\$ 0.00 \$ 0.00 \$ 4.35 \$ 5.25 \$ 2.40 \$ 12.00 \$ 0.00

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TECHNOLOGY DESIGN SUMMARY

\$ 12.00

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A B C D E F G		LOOP COST ANALYSIS TOOL										Bellcore (A)		
		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Ref: 1.0.4		
		SHEET 4 of 10										Issued: 7/31/95		
		COMPANY: CINCINNATI BELL TEL					CIRCUIT DESIGN: 1 FOMUX					STUDY YR: 1996		
		CITY / AREA: CINCINNATI					LOOP SPAN DIVISION: ALL LOOP SPANS					TEST CASE: 1		
		STATE / PROV: OHIO					SERVICE CLASS: BAND 2 - BUSINESS LINE					RUN DATE: 27-Jan-97		
		JOB IDENT: CINCINNATI					TOTAL LOOP LENGTH: 6711 FEET					TIME: 10:25		
0		Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY												
1		PLANT NAME	FEEDER	DISTRIBUTION NETWORK		TOTAL	WEIGHTED							
2		SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	TOTAL						
3		EQPT						LOOP	LOOP					
4		CODE												
5		PLANT												
6		ITEM DESCRIPTION												
7		<u>SHARED RESOURCES</u>												
8		LAND	20C				\$0					\$0		
9		BUILDING	10C				\$0					\$0		
10		BLDG ENTRANCE CABLE	12C				\$0					\$0		
11		INTRABLDG CABLE	52C				\$0					\$0		
12		AERIAL CABLE (COPPER)	22C				\$0					\$0		
13		BURIED CABLE (COPPER)	45C				\$0					\$0		
14		UNDERGROUND (CU) CA.	5C				\$0					\$0		
15		CO EQPT - LOW CAP TERM	257C				\$0					\$0		
16		CO EQPT - LOW CAP CHAN	257C				\$0					\$0		
17		CO EQPT - HI CAP TERM	857C				\$0					\$0		
18		CO EQPT - HI CAP CHAN	857C				\$0					\$0		
19		CO EQPT - ANALOG SW	77C				\$0					\$0		
20		CO EQPT - DIGITAL SW	377C				\$0					\$0		
21		AERIAL CABLE (FIBER)	822C				\$0					\$0		
22		BURIED CABLE (FIBER)	845C				\$0					\$0		
23		UNDERGROUND (FO) CA.	85C				\$0					\$0		
24		CONNECTORS	57C				\$0					\$0		
25		MISC. COM EQP & PWR	57C				\$0					\$0		
26		POLE LINE	1C				\$0					\$0		
27		CONDUIT	4C				\$0					\$0		
28														
29		<u>DIRECT RESOURCES</u>												
30		LAND	20C				\$0					\$0		
31		BUILDING	10C				\$0					\$0		
32		BLDG ENTRANCE CABLE	12C				\$0					\$0		
33		INTRABLDG CABLE	52C				\$0					\$0		
34		AERIAL CABLE (COPPER)	22C				\$0					\$0		
35		BURIED CABLE (COPPER)	45C				\$0					\$0		
36		UNDERGROUND (CU) CA.	5C				\$0					\$0		
37		CO EQPT - LOW CAP TERM	257C				\$0					\$0		
38		CO EQPT - LOW CAP CHAN	257C				\$0					\$0		
39		CO EQPT - HI CAP TERM	857C				\$0					\$0		
40		CO EQPT - HI CAP CHAN	857C				\$0					\$0		
41		CO EQPT - ANALOG SW	77C				\$0					\$0		
42		CO EQPT - DIGITAL SW	377C				\$0					\$0		
43		AERIAL CABLE (FIBER)	822C				\$0					\$0		
44		BURIED CABLE (FIBER)	845C				\$0					\$0		
45		UNDERGROUND (FO) CA.	85C				\$0					\$0		
46		CONNECTORS	57C				\$0					\$0		
47		MISC. COM EQP & PWR	57C				\$0					\$0		
48		POLE LINE	1C				\$0					\$0		
49		CONDUIT	4C				\$0					\$0		
50														
51		SPAN SUMMARY		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0		
52														
53														
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GCA123R24\LCATR078\RESULTS1
OUTPUT - WORKSHEET D
SHEET 5 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 199
TEST CASE:
RUN DATE: 27-Jan-9
TIME: 10:2COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 2 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - BUSINESS LINE
TOTAL LOOP LENGTH: 6711 FEET

Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TOTAL LOOP	WEIGHTED TOTAL
PLANT	ITEM DESCRIPTION	PLANT NAME SEG. NAME EQPT CODE	PRIMARY	FEEDER EXTENSION	SUB-	DISTRIBUTION NETWORK INTERFACE		
7	SHARED RESOURCES							
8	LAND	20C					\$0	\$
9	BUILDING	10C					\$0	\$
10	BLDG ENTRANCE CABLE	12C					\$0	\$
11	INTRABLDG CABLE	52C					\$0	\$
12	AERIAL CABLE (COPPER)	22C					\$0	\$
13	BURIED CABLE (COPPER)	45C					\$0	\$
14	UNDERGROUND (CU) CA.	5C					\$0	\$
15	CO EQPT - LOW CAP TERM	257C					\$0	\$
16	CO EQPT - LOW CAP CHAN	257C					\$0	\$
17	CO EQPT - HI CAP TERM	857C					\$0	\$
18	CO EQPT - HI CAP CHAN	857C					\$0	\$
19	CO EQPT - ANALOG SW	77C					\$0	\$
20	CO EQPT - DIGITAL SW	377C					\$0	\$
21	AERIAL CABLE (FIBER)	822C					\$0	\$
22	BURIED CABLE (FIBER)	845C					\$0	\$
23	UNDERGROUND (FO) CA.	85C					\$0	\$
24	CONNECTORS	57C					\$0	\$
25	MISC. COM EQP & PWR	57C					\$0	\$
26	POLE LINE	1C					\$0	\$
27	CONDUIT	4C					\$0	\$
28								
29	DIRECT RESOURCES							
30	LAND	20C					\$0	\$
31	BUILDING	10C					\$0	\$
32	BLDG ENTRANCE CABLE	12C					\$0	\$
33	INTRABLDG CABLE	52C					\$0	\$
34	AERIAL CABLE (COPPER)	22C					\$0	\$
35	BURIED CABLE (COPPER)	45C					\$0	\$
36	UNDERGROUND (CU) CA.	5C					\$0	\$
37	CO EQPT - LOW CAP TERM	257C					\$0	\$
38	CO EQPT - LOW CAP CHAN	257C					\$0	\$
39	CO EQPT - HI CAP TERM	857C					\$0	\$
40	CO EQPT - HI CAP CHAN	857C					\$0	\$
41	CO EQPT - ANALOG SW	77C					\$0	\$
42	CO EQPT - DIGITAL SW	377C					\$0	\$
43	AERIAL CABLE (FIBER)	822C					\$0	\$
44	BURIED CABLE (FIBER)	845C					\$0	\$
45	UNDERGROUND (FO) CA.	85C					\$0	\$
46	CONNECTORS	57C					\$0	\$
47	MISC. COM EQP & PWR	57C					\$0	\$
48	POLE LINE	1C					\$0	\$
49	CONDUIT	4C					\$0	\$
50								
51	SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0	\$
52							\$0	
53								
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GCA123R24\LCATR078\RESULTS1
OUTPUT - WORKSHEET D
SHEET 6 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARYBellcore[®]LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:25COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 3 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - BUSINESS LINE
TOTAL LOOP LENGTH: 6711 FEET

Circuit Design Mix: 1.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED

PLANT NAME	FEEDER	DISTRIBUTION NETWORK	TOTAL	WEIGHTED
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE
EQPT				
PLANT CODE				
ITEM DESCRIPTION				
SHARED RESOURCES				
LAND 20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BUILDING 10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE 12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
INTRABLDG CABLE 52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER) 22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (COPPER) 45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (CU) CA. 5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP TERM 257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN 257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM 857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN 857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW 77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW 377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER) 822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER) 845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA. 85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS 57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR 57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
POLE LINE 1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CONDUIT 4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
DIRECT RESOURCES				
LAND 20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BUILDING 10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE 12C	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.40
INTRABLDG CABLE 52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER) 22C	\$ 0.00	\$ 1.08	\$ 2.51	\$ 3.59
BURIED CABLE (COPPER) 45C	\$ 0.00	\$ 0.11	\$ 1.80	\$ 1.91
UNDERGROUND (CU) CA. 5C	\$ 0.00	\$ 2.15	\$ 0.25	\$ 2.40
CO EQPT - LOW CAP TERM 257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN 257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM 857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN 857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW 77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW 377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER) 822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER) 845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA. 85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS 57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR 57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
POLE LINE 1C	\$ 0.00	\$ 0.26	\$ 0.86	\$ 0.86
CONDUIT 4C	\$ 0.00	\$ 0.25	\$ 0.84	\$ 0.84
SPAN SUMMARY	\$ 0.00	\$ 0.00	\$ 4.35	\$ 5.25
			\$ 2.40	\$ 12.00
				\$ 12.00

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55C:\123R24\LCATR078\RESULTS
OUTPUT - WORKSHEET D
SHEET 7 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore (K)

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:25COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 4 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - BUSINESS LINE
TOTAL LOOP LENGTH: 6711 FEET

Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

PLANT NAME FEEDER DISTRIBUTION NETWORK TOTAL WEIGHTED
SEG. NAME PRIMARY EXTENSION SUB- INTERFACE LOOP TOTAL
EQPT

PLANT CODE

ITEM DESCRIPTION

SHARED RESOURCES

8	LAND	20C					\$0	\$C
9	BUILDING	10C					\$0	\$C
10	BLDG ENTRANCE CABLE	12C					\$0	\$C
11	INTRABLDG CABLE	52C					\$0	\$C
12	AERIAL CABLE (COPPER)	22C					\$0	\$C
13	BURIED CABLE (COPPER)	45C					\$0	\$C
14	UNDERGROUND (CU) CA.	5C					\$0	\$C
15	CO EQPT - LOW CAP TERM	257C					\$0	\$C
16	CO EQPT - LOW CAP CHAN	257C					\$0	\$C
17	CO EQPT - HI CAP TERM	857C					\$0	\$C
18	CO EQPT - HI CAP CHAN	857C					\$0	\$C
19	CO EQPT - ANALOG SW	77C					\$0	\$C
20	CO EQPT - DIGITAL SW	377C					\$0	\$C
21	AERIAL CABLE (FIBER)	822C					\$0	\$C
22	BURIED CABLE (FIBER)	845C					\$0	\$C
23	UNDERGROUND (FO) CA.	85C					\$0	\$C
24	CONNECTORS	57C					\$0	\$C
25	MISC. COM EQP & PWR	57C					\$0	\$C
26	POLE LINE	1C					\$0	\$C
27	CONDUIT	4C					\$0	\$C

DIRECT RESOURCES

30	LAND	20C					\$0	\$C
31	BUILDING	10C					\$0	\$C
32	BLDG ENTRANCE CABLE	12C					\$0	\$C
33	INTRABLDG CABLE	52C					\$0	\$C
34	AERIAL CABLE (COPPER)	22C					\$0	\$C
35	BURIED CABLE (COPPER)	45C					\$0	\$C
36	UNDERGROUND (CU) CA.	5C					\$0	\$C
37	CO EQPT - LOW CAP TERM	257C					\$0	\$C
38	CO EQPT - LOW CAP CHAN	257C					\$0	\$C
39	CO EQPT - HI CAP TERM	857C					\$0	\$C
40	CO EQPT - HI CAP CHAN	857C					\$0	\$C
41	CO EQPT - ANALOG SW	77C					\$0	\$C
42	CO EQPT - DIGITAL SW	377C					\$0	\$C
43	AERIAL CABLE (FIBER)	822C					\$0	\$C
44	BURIED CABLE (FIBER)	845C					\$0	\$C
45	UNDERGROUND (FO) CA.	85C					\$0	\$C
46	CONNECTORS	57C					\$0	\$C
47	MISC. COM EQP & PWR	57C					\$0	\$C
48	POLE LINE	1C					\$0	\$C
49	CONDUIT	4C					\$0	\$C

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SPAN SUMMARY

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OUTPUT - WORKSHEET D
SHEET 8 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore

LCAT Rel: 1.0.4

Issued: 7/31/95

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 5 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - BUSINESS LINE
TOTAL LOOP LENGTH: 6711 FEETSTUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:25

Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

PLANT NAME	FEEDER	DISTRIBUTION NETWORK	TOTAL	WEIGHTED
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE
EQPT				
PLANT CODE				
ITEM DESCRIPTION				
SHARED RESOURCES				
LAND	20C		\$0	\$0
BUILDING	10C		\$0	\$0
BLDG ENTRANCE CABLE	12C		\$0	\$0
INTRABLDG CABLE	52C		\$0	\$0
AERIAL CABLE (COPPER)	22C		\$0	\$0
BURIED CABLE (COPPER)	45C		\$0	\$0
UNDERGROUND (CU) CA.	5C		\$0	\$0
CO EQPT - LOW CAP TERM	257C		\$0	\$0
CO EQPT - LOW CAP CHAN	257C		\$0	\$0
CO EQPT - HI CAP TERM	857C		\$0	\$0
CO EQPT - HI CAP CHAN	857C		\$0	\$0
CO EQPT - ANALOG SW	77C		\$0	\$0
CO EQPT - DIGITAL SW	377C		\$0	\$0
AERIAL CABLE (FIBER)	822C		\$0	\$0
BURIED CABLE (FIBER)	845C		\$0	\$0
UNDERGROUND (FO) CA.	85C		\$0	\$0
CONNECTORS	57C		\$0	\$0
MISC. COM EQP & PWR	57C		\$0	\$0
POLE LINE	1C		\$0	\$0
CONDUIT	4C		\$0	\$0
DIRECT RESOURCES				
LAND	20C		\$0	\$0
BUILDING	10C		\$0	\$0
BLDG ENTRANCE CABLE	12C		\$0	\$0
INTRABLDG CABLE	52C		\$0	\$0
AERIAL CABLE (COPPER)	22C		\$0	\$0
BURIED CABLE (COPPER)	45C		\$0	\$0
UNDERGROUND (CU) CA.	5C		\$0	\$0
CO EQPT - LOW CAP TERM	257C		\$0	\$0
CO EQPT - LOW CAP CHAN	257C		\$0	\$0
CO EQPT - HI CAP TERM	857C		\$0	\$0
CO EQPT - HI CAP CHAN	857C		\$0	\$0
CO EQPT - ANALOG SW	77C		\$0	\$0
CO EQPT - DIGITAL SW	377C		\$0	\$0
AERIAL CABLE (FIBER)	822C		\$0	\$0
BURIED CABLE (FIBER)	845C		\$0	\$0
UNDERGROUND (FO) CA.	85C		\$0	\$0
CONNECTORS	57C		\$0	\$0
MISC. COM EQP & PWR	57C		\$0	\$0
POLE LINE	1C		\$0	\$0
CONDUIT	4C		\$0	\$0
SPAN SUMMARY	\$0	\$0	\$0	\$0
			\$0	\$0

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LOOP COST ANALYSIS TOOL										Bellcore	
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Rel: 1.0.4	
C:\123R24\LCATR078\RESULTS1										Issued: 7/31/95	
OUTPUT - WORKSHEET D										STUDY YR: 199	
SHEET 9 of 10										TEST CASE:	
COMPANY: CINCINNATI BELL TEL										CIRCUIT DESIGN: 6 FOMUX	
CITY / AREA: CINCINNATI										LOOP SPAN DIVISION: ALL LOOP SPANS	
STATE / PROV: OHIO										SERVICE CLASS: BAND 2 - BUSINESS LINE	
JOB IDENT: CINCINNATI										TOTAL LOOP LENGTH: 6711 FEET	
										RUN DATE: 27-Jan-97	
										TIME: 10:2	
Circuit Design Mix: 10.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY											
		PLANT NAME	FEEDER	DISTRIBUTION NETWORK		TOTAL	WEIGHTED				
		SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP		TOTAL		
		EQPT									
		PLANT									
		CODE									
ITEM DESCRIPTION											
<u>SHARED RESOURCES</u>											
8	LAND	20C					\$0		\$0		
9	BUILDING	10C					\$0		\$0		
10	BLDG ENTRANCE CABLE	12C					\$0		\$0		
11	INTRABLDG CABLE	52C					\$0		\$0		
12	AERIAL CABLE (COPPER)	22C					\$0		\$0		
13	BURIED CABLE (COPPER)	45C					\$0		\$0		
14	UNDERGROUND (CU) CA.	5C					\$0		\$0		
15	CO EQPT - LOW CAP TERM	257C					\$0		\$0		
16	CO EQPT - LOW CAP CHAN	257C					\$0		\$0		
17	CO EQPT - HI CAP TERM	857C					\$0		\$0		
18	CO EQPT - HI CAP CHAN	857C					\$0		\$0		
19	CO EQPT - ANALOG SW	77C					\$0		\$0		
20	CO EQPT - DIGITAL SW	377C					\$0		\$0		
21	AERIAL CABLE (FIBER)	822C					\$0		\$0		
22	BURIED CABLE (FIBER)	845C					\$0		\$0		
23	UNDERGROUND (FO) CA.	85C					\$0		\$0		
24	CONNECTORS	57C					\$0		\$0		
25	MISC. COM EQP & PWR	57C					\$0		\$0		
26	POLE LINE	1C					\$0		\$0		
27	CONDUIT	4C					\$0		\$0		
<u>DIRECT RESOURCES</u>											
30	LAND	20C					\$0		\$0		
31	BUILDING	10C					\$0		\$0		
32	BLDG ENTRANCE CABLE	12C					\$0		\$0		
33	INTRABLDG CABLE	52C					\$0		\$0		
34	AERIAL CABLE (COPPER)	22C					\$0		\$0		
35	BURIED CABLE (COPPER)	45C					\$0		\$0		
36	UNDERGROUND (CU) CA.	5C					\$0		\$0		
37	CO EQPT - LOW CAP TERM	257C					\$0		\$0		
38	CO EQPT - LOW CAP CHAN	257C					\$0		\$0		
39	CO EQPT - HI CAP TERM	857C					\$0		\$0		
40	CO EQPT - HI CAP CHAN	857C					\$0		\$0		
41	CO EQPT - ANALOG SW	77C					\$0		\$0		
42	CO EQPT - DIGITAL SW	377C					\$0		\$0		
43	AERIAL CABLE (FIBER)	822C					\$0		\$0		
44	BURIED CABLE (FIBER)	845C					\$0		\$0		
45	UNDERGROUND (FO) CA.	85C					\$0		\$0		
46	CONNECTORS	57C					\$0		\$0		
47	MISC. COM EQP & PWR	57C					\$0		\$0		
48	POLE LINE	1C					\$0		\$0		
49	CONDUIT	4C					\$0		\$0		
CONFIDENTIAL											
NOTICE MUST BE GIVEN											
PRIOR TO RELEASE TO PUBLIC											
PROVIDED TO FCC											
SPAN SUMMARY											
51			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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A B C D E F G	LOOP COST ANALYSIS TOOL									
	PROSPECTIVE INVESTMENT WORKSHEET SUMMARY									
	C:\123R24\LCAT078\RESULTS1									
	OUTPUT - WORKSHEET D									
	SHEET 10 of 10									
	COMPANY: CINCINNATI BELL TEL.									
	CITY / AREA: CINCINNATI									
	STATE / PROV: OHIO									
	JOB IDENT: CINCINNATI									
	CIRCUIT DESIGN: MELDED FOMUX									
	LOOP SPAN DIVISION: ALL LOOP SPANS									
	SERVICE CLASS: BAND 2 - BUSINESS LINE									
	TOTAL LOOP LENGTH: 6711 FEET									
	STUDY YR: 1996									
	TEST CASE: 1									
	RUN DATE: 27-Jan-97									
	TIME: 10:25									
	Technology Type Mix: 1.0000									
	UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY									
	TECHNOLOGY WEIGHTED TOTAL LOOP									
	PLANT NAME FEEDER DISTRIBUTION NETWORK									
	SEG. NAME PRIMARY EXTENSION SUB- INTERFACE TOTAL LOOP									
	EQPT CODE									
	PLANT									
	ITEM DESCRIPTION									
	7 SHARED RESOURCES									
	8 LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	9 BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	10 BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	11 INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	12 AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	13 BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	14 UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	15 CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	16 CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	17 CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	18 CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	19 CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	20 CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	21 AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	22 BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	23 UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	24 CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	25 MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	26 POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	27 CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	28									
	29 DIRECT RESOURCES									
	30 LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	31 BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	32 BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.40	\$ 2.3950	
	33 INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	34 AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 1.08	\$ 2.51	\$ 0.00	\$ 3.59	\$ 3.5900	
	35 BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.11	\$ 1.80	\$ 0.00	\$ 1.91	\$ 1.9100	
	36 UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 2.15	\$ 0.25	\$ 0.00	\$ 2.40	\$ 2.4000	
	37 CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	38 CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	39 CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	40 CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	41 CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	42 CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	43 AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	44 BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	45 UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	46 CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	47 MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	48 POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	49 CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	50									
	51 SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 4.35	\$ 5.25	\$ 2.40	\$ 12.00	\$ 12.00	
	52									
	53									
	54									
	55									

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C:\123R24\LCAT\CALC\DIST

Bellcore (R)

RUN - DIST PLNT

LCAT

LAST UPDATE

LOOP COST ANALYSIS TOOL

Release: 1.0.4

27-Jan-97

Issued: 8/31/95

10:04

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 0 - 14

CURRENT TEST PLAN :

CURRENT JOB IDENT: CINCINNATI

BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS	0
SVC LEVEL	NAR BAND	#ADTS	1
CST METH	UN INCR	INV LEVEL	ANW COST

NOTICE MUST BE
PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PCCO
....your run is finished

PROPRIETARY - NOT FOR USE OR DISCLOSURE OUTSIDE Bellcore WITHOUT LICENSED PERMISSION

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Printed 27-Jan-97 RESTRICTED - NOT FOR USE / DISCLOSURE OUTSIDE CINCINNATI BELL TEL. RATES PLAI

LOOP COST ANALYSIS TOOL									
BASIC INVESTMENT WORKSHEET									
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL									
FACILITY TYPE : COPPER CABLE									
CIRCUIT SEGMENT : DISTRIBUTION PLANT (NON-DLC, NON-COLLOC.)									
SERVICE CLASS : BAND 2 - BUSINESS LINE									
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO									
LCAT Release: 1.0.4 Issue Date: 8/31/95 STUDY YR: 1996 TEST CASE: 1 RUN DATE: 27-Jan-97 TIME: 10:20									
SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM - TABLE 2 - RELATIVE MIX OF TYPE OF CA. PLANT [B]	LENGTH SUBSET BY TYPE OF PLANT [C=A*B]	FROM - TABLE 4 - CABLE INVESTMENT PER PAIR FOOT [D]	CABLE INVESTMENT PER PAIR [E=C*D]	(NOTE 4) WEIGHTED TERMINAL INVESTMENT	AIR DRYER INVESTMENT PER PAIR [F=E*ctr]	DROP WIRE ADJUSTMENT PER PAIR [F=E*ctr]	(NOTE 4) WEIGHTED DROP WIRE INVESTMENT
1013.0	AERIAL	0.820000	628.1	0.042600	26.76		0.00	0.00	
CONSIDERS:	BURIED	0.330000	334.3	0.066800	22.33		0.00	0.00	
MELDED COPPER CABLE	UNDERGRND	0.050000	50.7	0.058000	2.94		0.00	0.00	
Check =		1.000000	1013.0						
OUTSIDE PLANT LOADINGS (NOTE 4)									
DROP WIRE ADJUSTMENT:		AIR DRYER LOADINGS:							
AERIAL CA. =	0.0000	AERIAL CA. =		0.0000					
BURIED CA. =	0.0000	BURIED CA. =		0.0000					
UNDERGRND =	0.0000	UNDERGRND =		0.0000					
OTHER INVESTMENT									
POLE LINE FACTOR (PL) =		inv / unit lgh: 0.0000		inv rts fctr: 0.2530		NOTICE MUST BE GIVEN			
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PL) =		0.0000		0.0000		PROVIDED TO PUCO			
UG CONDUIT FACTOR (UC) =		0.0000		0.5165		PROVIDED TO PUCO			
CONDUIT INVESTMENT (UTIL UNDGRND INVST x UC) =		0.0000		0.0000		PROVIDED TO PUCO			
FOOTNOTES									
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.									
NOTE 2: TABLE 4 & 6 DEVELOPMENT SHOWN ON WORKSHEET A.									
NOTE 3: DESIGN AT THIS DISTANCE HAS NO LOAD COILS; THEREFORE, TERMINAL INVESTMENT IS ZERO									
NOTE 4: BY FCC MANDATE, THIS INVESTMENT IS INCORPORATED INTO THE APPROPRIATE CABLE ACCOUNT (SEE BUILDING AND TERMINATING INVESTMENT WORKSHEET)									

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LOOP COST ANALYSIS TOOL										Bellcore®	
ACCOUNT INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL										Issue Date: 6/31/95	
FACILITY TYPE: COPPER CABLE										STUDY YR: 1996	
CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-COLLOC)										TEST CASE: 1	
SERVICE CLASS: BAND 2 - BUSINESS LINE										RUN DATE: 27-Jan-97	
COMPANY: CINCINNATI BELL TEL.										TIME: 10:20	
CITY / AREA: CINCINNATI											
STATE / PROV: OHIO											
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED VARI	RESOURCE ALLOCATION	1996 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES [H=F*G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION DIRECT RESOURCES [K'=H'/J]	
LAND	20C	F	SHARED					1.0000			
BUILDING	10C	F	SHARED					1.0000			
BLDG ENTRANCE CABLE	12C	V	DIRECT					1.0000			
INTRABLDG CABLE	52C	V	DIRECT					0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT	26.76	1		\$ 27	0.3500		\$ 76	
BURIED CABLE (COPPER)	45C	V	DIRECT	22.33	1		\$ 22	0.3500		\$ 64	
UNDERGROUND (CU) CA.	5C	V	DIRECT	2.94	1		\$ 3	0.3500		\$ 8	
CO EQPT - P GAIN TERM	257C	F	DIRECT					0.7000			
CO EQPT - P GAIN CHAN	257C	V	DIRECT					0.7000			
CO EQPT - FO MUX TERM	857C	F	DIRECT					1.0000			
CO EQPT - FO MUX CHAN	857C	F	DIRECT					1.0000			
CO EQPT - ANALOG SW	77C	V	DIRECT					1.0000			
CO EQPT - DIGITAL SW	377C	V	DIRECT					1.0000			
AERIAL CABLE (FIBER)	822C	F	DIRECT					0.0000			
BURIED CABLE (FIBER)	845C	F	DIRECT					0.0000			
UNDERGROUND (FO) CA.	85C	F	DIRECT					0.0000			
CONNECTORS	57C	V	DIRECT					1.0000			
MISC. COM EQP & PWR	57C	V	SHARED					1.0000			
POLE LINE	1C	F	DIRECT	19.34				1.0000		\$ 19	
CONDUIT	4C	F	DIRECT	4.34				1.0000		\$ 4	

CONFIDENTIAL

NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC

PROVIDED TO PUCO

\$0 \$172
\$172
distmiv

FOOTNOTES

NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F(F') AND H(H') ARE CAUSED BY COMPUTER ROUNDING.

NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.

AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC;

CO EQPT - ESS = CONNECTORS + MISC. CP&E.

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C:\123R24\LCATCALC\DIST
DIST. PLNT - WORKSHEET A
Sheet 3 of 3

LOOP COST ANALYSIS TOOL

Bellcore[®]

PROSPECTIVE AND ANNUAL COSTS WORKSHEET
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-COLLOC)

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE:
RUN DATE: 27-Jan-97
TIME: 10:20

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

SERVICE CLASS: BAND 2 - BUSINESS LINE

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000			0.2232				
BUILDING	10C	1.0000			0.2847				
BLDG ENTRANCE CABLE	12C	1.0000			0.3832				
INTRABLDG CABLE	52C	1.0000			0.3832				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 76	0.3943		\$ 30.14		\$ 2.51
BURIED CABLE (COPPER)	45C	1.0000		\$ 64	0.3377		\$ 21.55		\$ 1.80
UNDERGROUND (CU) CA.	5C	1.0000		\$ 8	0.3573		\$ 3.00		\$ 0.25
CO EQPT - P GAIN TERM	257C	1.0000			0.3791				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3791				
CO EQPT - FO MUX TERM	857C	1.0000			0.3791				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3791				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3368				
AERIAL CABLE (FIBER)	822C	1.0000			0.2893				
BURIED CABLE (FIBER)	845C	1.0000			0.2634				
UNDERGROUND (FO) CA.	85C	1.0000			0.2599				
CONNECTORS	57C	1.0000			0.3791				
MISC. COM EQP & PWR	57C	1.0000			0.3791				
POLE LINE	1C	1.0000		\$ 19	0.3717		\$ 7.19		\$ 0.60
CONDUIT	4C	1.0000		\$ 4	0.2431		\$ 1.05		\$ 0.08
TOTALS			\$ 0	\$ 172		\$ 0.00	\$ 62.93	\$ 0.00	\$ 5.2

CONFIDENTIAL

NOTICE MUST BE GIVEN
PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PUGO

FOOTNOTES

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: AN INVESTMENT - ONLY STUDY NEGATES ANNUAL COST COMPUTATION.
THUS, THIS COLUMN MAY BE PRESENTED FOR CONSISTENCY ONLY.

DIST. PLNT - WORKSHEET B Sheet 1 of 3		LOOP COST ANALYSIS TOOL BASIC INVESTMENT WORKSHEET		Belcore (R) LCAT Release: 1.0.4 STUDY YR: 1996 TEST CASE: 1 RUN DATE: 27-Jan-97 TIME: 10:20			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		FACILITY TYPE: COPPER CABLE CIRCUIT SEGMENT: SERVICE ACCESS		SERVICE CLASS: BAND 2 - BUSINESS LINE			
TYPE OF PLANT ITEM	UNIT PLANT INVEST. [A]	PROB. OF OCCURANCE [B]	WEIGHTED TERMINAL INVESTMENT [C=A*B]	CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO			
INTRABLDG CABLE	\$ 0.00	0.0000	\$ 0.00				
BLDG ENTRANCE CABLE	\$ 75.00	1.0000	\$ 75.00				
AERIAL TERMINAL	\$ 0.00	0.0000	\$ 0.00				
BURIED TERMINAL	\$ 0.00	0.0000	\$ 0.00				
AERIAL DROP WIRE	\$ 0.00	0.0000	\$ 0.00				
BURIED DROP WIRE	\$ 0.00	0.0000	\$ 0.00				
COAXIAL DROP	\$ 0.00	0.0000	\$ 0.00				
POLE LINE FACTOR (PLF) =						from length: 0.0000	from invest.: 0.2530
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =						\$ 0.00	
FOOTNOTES NOTE 1: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED. NOTE 2: THIS DATA IS USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN INVESTMENT AND MONTHLY COSTS							

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C:\123R24\LCAT\CALC.DIST
DIST. PLANT - WORKSHEET B
Sheet 2 of 3

LOOP COST ANALYSIS TOOL
ACCOUNT INVESTMENT WORKSHEET

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 2 - BUSINESS LINE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:20

PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE VARI	COST EQUATION	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	
					SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F'*G]		SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]
LAND	20C	F	SHARED				1.0000		
BUILDING	10C	F	SHARED				1.0000		
BLDG ENTRANCE CABLE	12C	V	DIRECT	75.00	1		\$ 75		\$ 75
INTRABLDG CABLE	52C	V	DIRECT	0.00			0.3500		
AERIAL CABLE (COPPER)	22C	V	DIRECT	0.00			0.3500		
BURIED CABLE (COPPER)	45C	V	DIRECT	0.00			0.3500		
UNDERGROUND (CU) CA.	5C	V	DIRECT				0.3500		
CO EQPT - P GAIN TERM	257C	F	DIRECT				0.7000		
CO EQPT - P GAIN CHAN	257C	V	DIRECT				0.7000		
CO EQPT - FO MUX TERM	857C	F	DIRECT				1.0000		
CO EQPT - FO MUX CHAN	857C	F	DIRECT				1.0000		
CO EQPT - ANALOG SW	77C	V	DIRECT				1.0000		
CO EQPT - DIGITAL SW	377C	V	DIRECT				1.0000		
AERIAL CABLE (FIBER)	822C	F	DIRECT				1.0000		
BURIED CABLE (FIBER)	845C	F	DIRECT				0.0000		
UNDERGROUND (FO) CA.	85C	F	DIRECT				0.0000		
CONNECTORS	57C	V	DIRECT				1.0000		
MISC. COM EQP & PWR	57C	V	SHARED				1.0000		
POLE LINE	1C	F	DIRECT	0.00			1.0000		
CONDUIT	4C	F	DIRECT				1.0000		

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NOTICE MUST BE OBTAINED
PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PUCO

\$0 \$75
\$75
activity

FOOTNOTES
NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F(F) AND H(H') ARE CAUSED BY COMPUTER ROUNDING.
NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.
AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC;
CO EQPT - ESS = CONNECTORS + MISC. CP&E.

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CA123R24LCATCALC.DIST
DIST PLNT - WORKSHEET 3
Sheet 3 of 3

LOOP COST ANALYSIS TOOL PROSPECTIVE AND ANNUAL COSTS WORKSHEET

Belcore[®]

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - BUSINESS LINE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:20

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000			0.2232				
BUILDING	10C	1.0000			0.2847				
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3832		\$ 28.74		\$ 2.40
INTRABLDG CABLE	52C	1.0000			0.3832				
AERIAL CABLE (COPPER)	22C	1.0000			0.3943				
BURIED CABLE (COPPER)	45C	1.0000			0.3377				
UNDERGROUND (CU) CA.	5C	1.0000			0.3573				
CO EQPT - P GAIN TERM	257C	1.0000			0.3791				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3791				
CO EQPT - FO MUX TERM	857C	1.0000			0.3791				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3791				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3358				
AERIAL CABLE (FIBER)	822C	1.0000			0.2893				
BURIED CABLE (FIBER)	845C	1.0000			0.2634				
UNDERGROUND (FO) CA.	85C	1.0000			0.2599				
CONNECTORS	57C	1.0000			0.3791				
MISC. COM EQP & PWR	57C	1.0000			0.3791				
POLE LINE	1C	1.0000			0.3717				
CONDUIT	4C	1.0000			0.2431				
TOTALS			\$ 0	\$ 75		\$ 0.00	\$ 28.74	\$ 0.00	\$ 2.40
				\$ 75			\$ 28.74		\$ 2.40

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PRIOR TO RELEASE TO PUBLIC

PROVIDED TO

FOOTNOTES

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: AN INVESTMENT - ONLY STUDY NEGATES ANNUAL COST COMPUTATION.
THUS, THIS COLUMN MAY BE PRESENTED FOR CONSISTENCY ONLY.

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C:\123R24\LCATCALC\DIST
DIST_PLNT - WORKSHEET B
Sheet 1 of 3

LOOP COST ANALYSIS TOOL BASIC INVESTMENT WORKSHEET

Belcore (R)

LCAT

Release: 1.0.4

STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:20

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - BUSINESS LINE

TYPE OF PLANT ITEM	UNIT PLANT INVEST. [A]	PROB. OF OCCURANCE [B]	WEIGHTED TERMINAL INVESTMENT [C=A*B]
INTRABLDG CABLE	\$ 0.00	0.0000	\$ 0.00
BLDG ENTRANCE CABLE	\$ 75.00	1.0000	\$ 75.00
AERIAL TERMINAL	\$ 0.00	0.0000	\$ 0.00
BURIED TERMINAL	\$ 0.00	0.0000	\$ 0.00
AERIAL DROP WIRE	\$ 0.00	0.0000	\$ 0.00
BURIED DROP WIRE	\$ 0.00	0.0000	\$ 0.00
COAXIAL DROP	\$ 0.00	0.0000	\$ 0.00

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POLE LINE FACTOR (PLF) =

POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =

from length: 0.0000
from invest: 0.2530
\$ 0.00

FOOTNOTES

NOTE 1: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED.

NOTE 2: THIS DATA IS USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN INVESTMENT AND MONTHLY COSTS

LOOP COST ANALYSIS TOOL										Bellcore (R)	
ACCOUNT INVESTMENT WORKSHEET										LCAT	
COMPANY: CINCINNATI BELL TEL.										Release: 1.0.4	
CITY / AREA: CINCINNATI										STUDY YR: 1996	
STATE / PROV: OHIO										TEST CASE: 1	
FACILITY TYPE: COPPER CABLE										RUN DATE: 27-Jan-97	
CIRCUIT SEGMENT: SERVICE ACCESS										TIME: 10:20	
SERVICE CLASS: BAND 2 - BUSINESS LINE											
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE VARI	COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION			
					SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]		SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]		
LAND	20C	F	SHARED					1.0000			
BUILDING	10C	F	SHARED					1.0000			
BLDG ENTRANCE CABLE	12C	V	DIRECT	75.00	1		\$ 75	1.0000	\$ 75		
INTRABLDG CABLE	52C	V	DIRECT	0.00				0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT	0.00				0.3500			
BURIED CABLE (COPPER)	45C	V	DIRECT	0.00				0.3500			
UNDERGROUND (CU) CA.	5C	V	DIRECT					0.3500			
CO EQPT - P GAIN TERM	257C	F	DIRECT					0.7000			
CO EQPT - P GAIN CHAN	257C	V	DIRECT					0.7000			
CO EQPT - FO MUX TERM	857C	F	DIRECT					1.0000			
CO EQPT - FO MUX CHAN	857C	F	DIRECT					1.0000			
CO EQPT - ANALOG SW	77C	V	DIRECT					1.0000			
CO EQPT - DIGITAL SW	377C	V	DIRECT					1.0000			
AERIAL CABLE (FIBER)	822C	F	DIRECT					0.0000			
BURIED CABLE (FIBER)	845C	F	DIRECT					0.0000			
UNDERGROUND (FO) CA.	85C	F	DIRECT					0.0000			
CONNECTORS	57C	V	DIRECT					1.0000			
MISC. COM EQP & PWR	57C	V	SHARED					1.0000			
POLE LINE	1C	F	DIRECT	0.00				1.0000			
CONDUIT	4C	F	DIRECT					1.0000			
CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO										\$ 0	\$ 75
										\$ 0	\$ 75
										\$ 0	\$ 75
										\$ 0	\$ 75
										\$ 0	\$ 75
FOOTNOTES											
NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F(F') AND H(H') ARE CAUSED BY COMPUTER ROUNDING.											
NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.											
AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC;											
CO EQPT - ESS = CONNECTORS + MISC. CP&E.											

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C:\123R24\LCATCALC.DIST DIST PLNT - WORKSHEET B Sheet 3 of 3			LOOP COST ANALYSIS TOOL PROSPECTIVE AND ANNUAL COSTS WORKSHEET						Belcore (R) LCAT Release: 1.0.4 STUDY YR: 1996 TEST CASE: 1 RUN DATE: 27-Jan-97 TIME: 10:20	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO			FACILITY TYPE: COPPER CABLE CIRCUIT SEGMENT: SERVICE ACCESS SERVICE CLASS: BAND 2 - BUSINESS LINE							
PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT		
			SHARED RESOURCES [M=K*L] [L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N] [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12] [R=P/12]	DIRECT RESOURCES [R'=P'/12]	
LAND	20C	1.0000			0.2232					
BUILDING	10C	1.0000			0.2847					
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3832		\$ 28.74		\$ 2.40	
INTRABLDG CABLE	52C	1.0000			0.3832					
AERIAL CABLE (COPPER)	22C	1.0000			0.3943					
BURIED CABLE (COPPER)	45C	1.0000			0.3377					
UNDERGROUND (CU) CA.	5C	1.0000			0.3573					
CO EQPT - P GAIN TERM	257C	1.0000			0.3791					
CO EQPT - P GAIN CHAN	257C	1.0000			0.3791					
CO EQPT - FO MUX TERM	857C	1.0000			0.3791					
CO EQPT - FO MUX CHAN	857C	1.0000			0.3791					
CO EQPT - ANALOG SW	77C	1.0000			0.0000					
CO EQPT - DIGITAL SW	377C	1.0000			0.3368					
AERIAL CABLE (FIBER)	822C	1.0000			0.2893					
BURIED CABLE (FIBER)	845C	1.0000			0.2634					
UNDERGROUND (FO) CA.	85C	1.0000			0.2599					
CONNECTORS	57C	1.0000			0.3791					
MISC. COM EQP & PWR	57C	1.0000			0.3791					
POLE LINE	1C	1.0000			0.2431					
CONDUIT	4C	1.0000			0.2431					
TOTALS			botshrinv \$ 0 \$ 75 botshrinv		botann \$ 0.00 \$ 28.74 botann		botmrc \$ 0.00 \$ 2.40 botmrc			

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FOOTNOTES
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION, THUS, THIS COLUMN MAY BE PRESENTED FOR CONSISTENCY ONLY.

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C:\123R24\LCATC\LCALCDIST				LOOP COST ANALYSIS TOOL		Bellcore®	
DIST_PLNT - REPORT 14A				PROSPECTIVE INVESTMENT WORKSHEET SUMMARY		LCAT Release: 1.0.4	
Sheet 1 of 3						Issue Date: 8/31/95	
COMPANY: CINCINNATI BELL TEL.				FACILITY TYPE: COPPER CABLE		STUDY YR: 1998	
CITY / AREA: CINCINNATI				CIRCUIT SEGMENT: DISTRIBUTION PLANT / NON-DLC / NON-COLLOC		TEST CASE: 1	
STATE / PROV: OHIO				SERVICE CLASS: BAND 2 - BUSINESS LINE		RUN DATE: 27-Jan-97	
						TIME: 10:20	
logic - 14a				1996 UNIT MONTHLY RECURRING COST BY ACCOUNT		(See Note)	
BAND				0		TOTAL	
MIX				1.0000		AVG. WEIGHTED	
ACCT						INVESTMENT	
CODE				6711			
SEG. LGTH.				1013.0		1013	

SHARED RESOURCES							
7	LAND	20C					\$ 0.00
8	BUILDING	10C					\$ 0.00
9	BLDG ENTRANCE CABLE	12C					\$ 0.00
10	INTRABLDG CABLE	52C					\$ 0.00
11	AERIAL CABLE (COPPER)	22C					\$ 0.00
12	BURIED CABLE (COPPER)	45C					\$ 0.00
13	UNDERGROUND (CU) CA.	5C					\$ 0.00
14	CO EQPT - P GAIN TERM	257C					\$ 0.00
15	CO EQPT - P GAIN CHAN	257C					\$ 0.00
16	CO EQPT - FO MUX TERM	857C					\$ 0.00
17	CO EQPT - FO MUX CHAN	857C					\$ 0.00
18	CO EQPT - ANALOG SW	77C					\$ 0.00
19	CO EQPT - DIGITAL SW	377C					\$ 0.00
20	AERIAL CABLE (FIBER)	822C					\$ 0.00
21	BURIED CABLE (FIBER)	845C					\$ 0.00
22	UNDERGROUND (FO) CA.	85C					\$ 0.00
23	CONNECTORS	57C					\$ 0.00
24	MISC. COM EQP & PWR	57C					\$ 0.00
25	POLE LINE	1C					\$ 0.00
26	CONDUIT	4C					\$ 0.00
27							
28	DIRECT RESOURCES						
29	LAND	20C					\$ 0.00
30	BUILDING	10C					\$ 0.00
31	BLDG ENTRANCE CABLE	12C					\$ 0.00
32	INTRABLDG CABLE	52C					\$ 0.00
33	AERIAL CABLE (COPPER)	22C	\$ 2.51				\$ 2.51
34	BURIED CABLE (COPPER)	45C	\$ 1.80				\$ 1.80
35	UNDERGROUND (CU) CA.	5C	\$ 0.25				\$ 0.25
36	CO EQPT - P GAIN TERM	257C					\$ 0.00
37	CO EQPT - P GAIN CHAN	257C					\$ 0.00
38	CO EQPT - FO MUX TERM	857C					\$ 0.00
39	CO EQPT - FO MUX CHAN	857C					\$ 0.00
40	CO EQPT - ANALOG SW	77C					\$ 0.00
41	CO EQPT - DIGITAL SW	377C					\$ 0.00
42	AERIAL CABLE (FIBER)	822C					\$ 0.00
43	BURIED CABLE (FIBER)	845C					\$ 0.00
44	UNDERGROUND (FO) CA.	85C					\$ 0.00
45	CONNECTORS	57C					\$ 0.00
46	MISC. COM EQP & PWR	57C					\$ 0.00
47	POLE LINE	1C	\$ 0.60				\$ 0.60
48	CONDUIT	4C	\$ 0.09				\$ 0.09
49							
50							
51	SPAN SUMMARY		\$ 5.25	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
52	AVG. WTD. SPAN SUMMARY		\$ 5.25	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
53							
54	NOTE: [sum(INV _{ACCT} BAND * MIX BAND)]						\$ 5.25
55							

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C:\123R24\LCAT\CALC\DIST		LOOP COST ANALYSIS TOOL		Bellcore (R)	
DIST_PLANT - REPORT 148		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY		LCAT	
Sheet 1 of 1		CIRCUIT SEGMENT : SERVICE ACCESS		Release : 1.0.4	
COMPANY: CINCINNATI BELL TEL.		SERVICE CLASS: BAND 2 - BUSINESS LINE		STUDY YR: 1996	
CITY / AREA: CINCINNATI				TEST CASE:	
STATE / PROV: OHIO				RUN DATE: 27-Jan-97	
				TIME: 10:20	
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT					
ALL					
PLANT ITEM	PLANT ACCT CODE	BAND MIX AVG. L3TH.			
SHARED RESOURCES					
LAND	20C				
BUILDING	10C				
BLDG ENTRANCE CABLE	12C				
INTRABLDG CABLE	52C				
AERIAL CABLE (COPPER)	22C				
BURIED CABLE (COPPER)	45C				
UNDERGROUND (CU) CA.	5C				
CO EQPT - P GAIN TERM	257C				
CO EQPT - P GAIN CHAN	257C				
CO EQPT - FO MUX TERM	857C				
CO EQPT - FO MUX CHAN	857C				
CO EQPT - ANALOG SW	77C				
CO EQPT - DIGITAL SW	377C				
AERIAL CABLE (FIBER)	822C				
BURIED CABLE (FIBER)	845C				
UNDERGROUND (FO) CA.	85C				
CONNECTORS	57C				
MISC. COM EQP & PWR	57C				
POLE LINE	1C				
CONDUIT	4C				
DIRECT RESOURCES					
LAND	20C				
BUILDING	10C				
BLDG ENTRANCE CABLE	12C	2.40			
INTRABLDG CABLE	52C				
AERIAL CABLE (COPPER)	22C				
BURIED CABLE (COPPER)	45C				
UNDERGROUND (CU) CA.	5C				
CO EQPT - P GAIN TERM	257C				
CO EQPT - P GAIN CHAN	257C				
CO EQPT - FO MUX TERM	857C				
CO EQPT - FO MUX CHAN	857C				
CO EQPT - ANALOG SW	77C				
CO EQPT - DIGITAL SW	377C				
AERIAL CABLE (FIBER)	822C				
BURIED CABLE (FIBER)	845C				
UNDERGROUND (FO) CA.	85C				
CONNECTORS	57C				
MISC. COM EQP & PWR	57C				
POLE LINE	1C				
CONDUIT	4C				
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SPAN TOTAL \$ 2.40					

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RUN - SUB PRI

LAST UPDATE

27-Jan-97

10:05

BellcoreTM

LCAT

Release: 1.0.4

Issued: 7/31/95

LOOP COST ANALYSIS TOOL

FEEDER SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 0 - 140

CURRENT TEST PLAN: CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS	0
SVC LEVEL	NARBAND	#CKTS	1
CST METH	UN INCR	INV LEVEL	ANN COST

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PROPRIETARY - NOT FOR USE OR DISCLOSURE OUTSIDE Bellcore WITHOUT LICENSED PERMISSION

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Printed 27-Jan-97 RESTRICTED - NOT FOR USE / DISCLOSURE OUTSIDE CINCINNATI BELL TEL. RATES PLA

CA123R24\LCAT\CALC\CUTTECH
SUB_PRI - WORKSHEET
Sheet 1 of 3

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB-PRIMARY
SERVICE CLASS: BAND 2 - BUSINESS LINE

Bellcore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:21

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2 -- RELATIVE MIX OF TYPE OF CA. PLANT		LENGTH SUBSET BY TYPE OF PLANT [C=A*B]	FROM TABLE 4 -- MID CABLE DESIGN INVEST. PER PAIR FOOT		CABLE INVESTMENT PER PAIR [E=C*D]	WEIGHTED TERMINAL INVESTMENT PER PAIR [UI*DTC]	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR [E*fcfr]	WEIGHTED DROP WIRE ADJUSTMENT PER PAIR [UI*DTC]
		[B]	[C=A*B]		[D]	[E=C*D]					
5698	AERIAL	0.290000	1652.42	0.011900	19.66		0.00	0.00			
MELDED GAUGE/S/ COPPER	BURIED	0.020000	113.96	0.020500	2.34		0.00	0.00			
CABLE	UNDERGRND	0.690000	3931.62	0.011000	43.25		0.00	0.00			
CHECK =		1.000000									

ADDITIONAL CALCULATIONS FOR CENTRAL OFFICE INVESTMENTS

INVESTMENT PER CIRCUIT TERMINATION
(CO CONN) CONNECTORS (coi77c) = \$ 0.00

POLE LINE FACTOR = $\frac{\text{inv / unit lcty}}{0.000000} \times 0.253000$

POLE LINE INVESTMENT = \$ 8.29
(UTIL AERIAL INVEST x PLF)

UG CONDUIT FACTOR = $\frac{0.000000}{0.000000} \times 0.516500$

CONDUIT INVESTMENT = \$ 37.23
(UTIL UNDGRND INVEST x UCF)

MISC. COMMON EQPT. & POWER FACTOR = 0.112700
MCE&P INVESTMENT (CO CONN x EAF) = \$ 0.00

LAND FACTOR = 0.00560
LAND NVST (CO CONN + MCE&P) x FACTOR = \$ 0.00

BUILDING FACTOR = 0.13160
BLDG NVST (CO CONN + MCEP) x FACTOR = \$ 0.00

PERCENT OF CO CONN AT DIGITAL SWITCHES = 100.0000
PERCENT OF CO CONN AT ANALOG SWITCHES = 0.0000

FOOTNOTES
NOTE 1: APPARENT INCONSISTANCIES MAY BE CAUSED BY COMPUTER ROUNDING.
NOTE 2: E * fcfr = INVESTMENT x DROP WIRE ADJUSTMENT FACTOR (MISCA or MISCB)
NOTE 3: UI * DTC = UNIT INVESTMENT x PROBABILITY OF OCCURANCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).

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LOOP COST ANALYSIS TOOL										Belcore (R)	
ACCOUNT INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS										Issue Date: 7/31/95	
FACILITY TYPE: COPPER CABLE										STUDY YR: 1996	
CIRCUIT SEGMENT: WELDED GAUGES/ SUB-PRIMARY										TEST CASE: 1	
SERVICE CLASS: BAND 2 - BUSINESS LINE										RUN DATE: 27-Jan-97	
										TIME: 10:21	
PLANT ITEM	PLANT ACCT CODE	FIXED VARI CAT.	RESOURCE ALLOCATION T	1996 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]	
LAND	20C	F	SHARED	0.00				1.0000			
BUILDING	10C	F	SHARED	0.00				1.0000			
BLDG ENTRANCE CABLE	12C	V	DIRECT					1.0000			
INTRABLDG CABLE	52C	V	DIRECT					0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT	19.66	1		\$ 20	0.6000		\$ 33	
BURIED CABLE (COPPER)	45C	V	DIRECT	2.34	1		\$ 2	0.6000		\$ 4	
UNDERGROUND (CU) CA.	5C	V	DIRECT	43.25	1		\$ 43	0.6000		\$ 72	
CO EQPT - LOW CAP TERM	257C	F	DIRECT					0.7000			
CO EQPT - LOW CAP CHAN	257C	V	DIRECT					0.7000			
CO EQPT - HI CAP TERM	857C	F	DIRECT					1.0000			
CO EQPT - HI CAP CHAN	857C	F	DIRECT					1.0000			
CO EQPT - ANALOG SW	77C	V	DIRECT	0.00				1.0000			
CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00				1.0000			
AERIAL CABLE (FIBER)	822C	F	DIRECT					0.3300			
BURIED CABLE (FIBER)	845C	F	DIRECT					0.3300			
UNDERGROUND (FO) CA.	85C	F	DIRECT					0.3300			
CONNECTORS	57C	V	DIRECT					0.0000			
MISC. COM EQP & PWR	57C	V	SHARED	0.00				1.0000			
POLE LINE	1C	F	DIRECT	8.29				1.0000		\$ 8	
CONDUIT	4C	F	DIRECT	37.23				1.0000		\$ 37	
TOTALS								\$ 0		\$ 154	
										\$ 154	

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culprity

FOOTNOTES
NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F AND H (H') ARE CAUSED BY COMPUTER ROUNDING.
NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY OF CABLE COMPONENTS:
AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE ADJ; BURIED CABLE, ... ETC;
CO EQPT - ESS = CONNECTORS + MISC. CP&E.

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C:\123R24\LCAT\CALC\GUTECH
 SUB_PRI - WORKSHEET
 Sheet 1 of 3

COMPANY: CINCINNATI BELL TEL.
 CITY / AREA: CINCINNATI
 STATE / PROV: OHIO

FACILITY TYPE: COPPER CABLE
 CIRCUIT SEGMENT: [WELDED GAUGE/S7 SUB-PRIMARY]

SERVICE CLASS: BAND 2 - BUSINESS LINE

Bellcore[®]
 LCAT Release: 1.0.4
 Issue Date: 7/31/95
 STUDY YR: 1996
 TEST CASE: 1
 RUN DATE: 27-Jan-97
 TIME: 10:21

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENTS BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000			0.2232				
BUILDING	10C	1.0000			0.2847				
BLDG ENTRANCE CABLE	12C	1.0000			0.3832				
INTRABLDG CABLE	52C	1.0000			0.3832				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 33	0.3943		\$ 12.92		\$ 1.08
BURIED CABLE (COPPER)	45C	1.0000		\$ 4	0.3377		\$ 1.31		\$ 0.11
UNDERGROUND (CU) CA.	5C	1.0000		\$ 72	0.3573		\$ 25.75		\$ 2.15
CO EQPT - LOW CAP TERM	257C	1.0000			0.3791				
CO EQPT - LOW CAP CHAN	257C	1.0000			0.3791				
CO EQPT - HI CAP TERM	857C	1.0000			0.3791				
CO EQPT - HI CAP CHAN	857C	1.0000			0.3791				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3368				
AERIAL CABLE (FIBER)	822C	1.0000			0.2893				
BURIED CABLE (FIBER)	845C	1.0000			0.2634				
UNDERGROUND (FO) CA.	85C	1.0000			0.2599				
CONNECTORS	57C	1.0000			0.3791				
MISC. COM EQP & PWR	57C	1.0000			0.3791				
POLE LINE	1C	1.0000		\$ 8	0.3712		\$ 3.08		\$ 0.26
CONDUIT	4C	1.0000		\$ 37	0.2431		\$ 9.05		\$ 0.75
SUBTOTALS			\$ 0	\$ 154		\$ 0.00	\$ 52.12	\$ 0.00	\$ 4.35
TOTALS				\$ 154			\$ 52.12		\$ 4.35
			culpinvsy			culpac		culpmrc	

FOOTNOTES
 NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
 NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION.
 THUS, THIS COLUMN MAY BE PRESENTED FOR CONSISTENCY ONLY.

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LOOP COST ANALYSIS TOOL				Bellcore (R)	
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release : 1.0.4	
SUB PRI - REPORT 14				Issue Date : 7/31/95	
Sheet 1 of 1				STUDY YR: 1996	
COMPANY: CINCINNATI BELL TEL				FACILITY SEGMENT: SUB-PRIMARY PLANT	
CITY / AREA: CINCINNATI				TEST CASE: 1	
STATE / PROV: OHIO				RUN DATE: 27-Jan-97	
SERVICE CLASS: BAND 2 - BUSINESS LINE				TIME: 10:21	
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)	
logic-14a				TOTAL	
BAND 0				AVG. WEIGHTED	
1.0000				5698	
PLANT	MIX	ACCT	AVG.		
CODE	LGTH	CODE	LGTH		
6711	5698				
6: SHARED RESOURCES					
7: LAND	20C				\$ 0.00
8: BUILDING	10C				\$ 0.00
9: BLDG ENTRANCE CABLE	12C				\$ 0.00
10: INTRABLDG CABLE	52C				\$ 0.00
11: AERIAL CABLE (COPPER)	22C				\$ 0.00
12: BURIED CABLE (COPPER)	45C				\$ 0.00
13: UNDERGROUND (CU) CA.	5C				\$ 0.00
14: CO EQPT - P GAIN TERM	257C				\$ 0.00
15: CO EQPT - P GAIN CHAN	257C				\$ 0.00
16: CO EQPT - FO MUX TERM	857C				\$ 0.00
17: CO EQPT - FO MUX CHAN	857C				\$ 0.00
18: CO EQPT - ANALOG SW	77C				\$ 0.00
19: CO EQPT - DIGITAL SW	377C				\$ 0.00
20: AERIAL CABLE (FIBER)	822C				\$ 0.00
21: BURIED CABLE (FIBER)	845C				\$ 0.00
22: UNDERGROUND (FO) CA.	85C				\$ 0.00
23: CONNECTORS	57C				\$ 0.00
24: MISC. COM EQP & PWR	57C				\$ 0.00
25: POLE LINE	1C				\$ 0.00
26: CONDUIT	4C				\$ 0.00
28: DIRECT RESOURCES					
29: LAND	20C				\$ 0.00
30: BUILDING	10C				\$ 0.00
31: BLDG ENTRANCE CABLE	12C				\$ 0.00
32: INTRABLDG CABLE	52C				\$ 0.00
33: AERIAL CABLE (COPPER)	22C	\$ 1.08			\$ 1.08
34: BURIED CABLE (COPPER)	45C	\$ 0.11			\$ 0.11
35: UNDERGROUND (CU) CA.	5C	\$ 2.15			\$ 2.15
36: CO EQPT - P GAIN TERM	257C				\$ 0.00
37: CO EQPT - P GAIN CHAN	257C				\$ 0.00
38: CO EQPT - FO MUX TERM	857C				\$ 0.00
39: CO EQPT - FO MUX CHAN	857C				\$ 0.00
40: CO EQPT - ANALOG SW	77C				\$ 0.00
41: CO EQPT - DIGITAL SW	377C				\$ 0.00
42: AERIAL CABLE (FIBER)	822C				\$ 0.00
43: BURIED CABLE (FIBER)	845C				\$ 0.00
44: UNDERGROUND (FO) CA.	85C				\$ 0.00
45: CONNECTORS	57C				\$ 0.00
46: MISC. COM EQP & PWR	57C				\$ 0.00
47: POLE LINE	1C	0.2	\$ 0.26		\$ 0.26
48: CONDUIT	4C	0.7	\$ 0.75		\$ 0.75
50: SPAN SUMMARY					
		\$ 4.35	\$ 0.00	\$ 0.00	\$ 0.00
52: AVG. WTD. SPAN SUMMARY					
		\$ 4.35	\$ 0.00	\$ 0.00	\$ 0.00
54: NOTE: [sum((INV _{ACCT} ^{BAND} * MIX ^{BAND})]					

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C:\123R24\LCATCALC\CUPRGN
RUN - CDLC PLANT

LAST UPDATE
27-Jan-97
10:08

LOOP COST ANALYSIS TOOL

BelcoreTM
LCAT
Release: 1.0.4
Issued: 8/31/95

FEEDER SEGMENT COST MODEL - COPPER DLC TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 0 - 14000 FEET INTRAS

CURRENT TEST PLAN: CURRENT JOB IDENT: CINCINNATI

BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS	1
SVC LEVEL	NARROWBAND	#CKTS	1
CST METH	UN INCR	INV LEVEL	ANN COST

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CA123R24\LCATGALC\GUPRGN CDLC PLANT - WORKSHEET 1 Sheet 2 of 3	LOOP COST ANALYSIS TOOL ACCOUNT INVESTMENT WORKSHEET CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY FACILITY TYPE : COPPER DIG LOOP CXR CIRCUIT DESIGN : T1C SERVICE CLASS : BAND 2 - BUSINESS LINE	Bellcore LCAT Release : 1.0.4 Issue Date : 8/31/95 STUDY YR : 1996 TEST CASE : 1 DATE : 27-Jan-97 TIME : 10:22 AM
COMPANY: CINCINNATI BELL TEL CITY / AREA : OHIO STATE / PROV : CINCINNATI		

PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL UTILIZATION		ADMIN. UTIL LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL UTILIZATION	
				COST EQUATION [F]		SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]		SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]
LAND	20C	F	SHARED	1.47	0			1.0000		
BUILDING	10C	F	SHARED	34.76	0			1.0000		
BLDG ENTRANCE CABLE	12C	---	---		0			1.0000		
INTRABLDG CABLE	52C	---	---		0			0.3500		
AERIAL CABLE (COPPER)	22C	V	DIRECT	0.00	0			0.6000		
BURIED CABLE (COPPER)	45C	V	DIRECT	0.00	0			0.6000		
UNDERGROUND (CU) CA.	5C	V	DIRECT	0.00	0			0.6000		
CO EQPT - P GAIN TERM	257C	F	DIRECT	79.13	0			0.7000		
CO EQPT - P GAIN CHAN	257C	V	DIRECT	172.79	0			0.7000		
CO EQPT - FO MUX TERM	857C	F	DIRECT		0			1.0000		
CO EQPT - FO MUX CHAN	857C	F	DIRECT		0			1.0000		
CO EQPT - ESS - ANALOG	77C	V	DIRECT	0.00	0			1.0000		
CO EQPT - ESS - DIGITAL	377C	V	DIRECT	0.00	0			1.0000		
AERIAL CABLE (FIBER)	822C	F	DIRECT		0			0.3300		
BURIED CABLE (FIBER)	845C	F	DIRECT		0			0.3300		
UNDERGROUND (FO) CA.	85C	F	DIRECT		0			0.3300		
CONNECTORS	57C	V	DIRECT		0			1.0000		
MISC. COM EQP & PWR	57C	V	SHARED	11.23	0			1.0000		
POLE LINE	1C	F	DIRECT	0.00	0			1.0000		
CONDUIT	4C	F	DIRECT	0.00	0			1.0000		
TOTALS										

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FOOTNOTES

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
 NOTE 2: CO EQPT - CKT PG TERM = PG EQ INV TERM + MC&P INV
 CO EQPT - CKT PG CHAN = PG EQ INV CHAN + ORB INV
 CO EQPT - ANALOG/DIGITAL ESS = C.O. CONN INV + MC&P INV

C:\123R24\LCAT\CALC\CUPRGN
COLD_PLANT - WORKSHEET 1
Sheet 3 of 3

LOOP COST ANALYSIS TOOL

BellicoreTM

PROSPECTIVE AND ANNUAL COSTS WORKSHEET
CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET
FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY
FACILITY TYPE: COPPER DIG LOOP CXR
CIRCUIT DESIGN: T C
SERVICE CLASS: BAND 2 - BUSINESS LINE

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
DATE: 27-Jan-97
TIME: 10:22 AM

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000			0.2232				
BUILDING	10C	1.0000			0.2847				
BLDG ENTRANCE CABLE	12C	1.0000			0.3832				
INTRABLDG CABLE	52C	1.0000			0.3832				
AERIAL CABLE (COPPER)	22C	1.0000			0.3943				
BURIED CABLE (COPPER)	45C	1.0000			0.3377				
UNDERGROUND (CU) CA.	5C	1.0000			0.3573				
CO EQPT - P GAIN TERM	257C	1.0000			0.3791				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3791				
CO EQPT - FO MUX TERM	857C	1.0000			0.3791				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3791				
CO EQPT - ESS - ANALOG	77C	1.0000			0.0000				
CO EQPT - ESS - DIGITAL	377C	1.0000			0.3368				
AERIAL CABLE (FIBER)	822C	1.0000			0.2893				
BURIED CABLE (FIBER)	845C	1.0000			0.2634				
UNDERGROUND (FO) CA.	85C	1.0000			0.2599				
CONNECTORS	57C	1.0000			0.3791				
MISC. COM EQP & PWR	57C	1.0000			0.3791				
POLE LINE	1C	1.0000			0.3791				
CONDUIT	4C	1.0000			0.2431				
TOTALS					\$0	\$0.00	\$0.00	\$0.00	\$0.00

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FOOTNOTES

- NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: AN INVESTMENT - ONLY STUDY NEGATES ANNUAL COST COMPUTATION.
HOWEVER, THIS COLUMN IS PRESENTED FOR CONSISTENCY OF FORMAT ONLY.

C:\123R24\LCAT\CALC\CLPRGN		LOOP COST ANALYSIS TOOL				Bellcore TM	
CDLC PLANT - REPORT 14.1		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 3		COMPANY: CINCINNATI BELL TEL. FACILITY SEGMENT: PRIMARY FEEDER SEGMENT				Issue Date: 8/31/95	
CITY / AREA: CINCINNATI		CIRCUIT DESIGN: 11 COPPER DIG LOOP CXR				STUDY YR: 1996	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - BUSINESS LINE				TEST CASE: 1	
						DATE: 27-Jan-97	
						TIME: 10:23 AM	
		logic-14a 1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)	
		BAND MIX 0				TOTAL	
		ACCT AVG 1.0000				AVG. WEIGHTED	
PLANT ITEM		CODE LGTH 6711				INVESTMENT	
		SEG.LGTH. 0				0	
SHARED RESOURCES							
1	LAND	20C					\$ 0.00
2	BUILDING	10C					\$ 0.00
3	BLDG ENTRANCE CABLE	12C					\$ 0.00
4	INTRABLDG CABLE	52C					\$ 0.00
5	AERIAL CABLE (COPPER)	22C					\$ 0.00
6	BURIED CABLE (COPPER)	45C					\$ 0.00
7	UNDERGROUND (CU) CA.	5C					\$ 0.00
8	CO EQPT - P GAIN TERM	257C					\$ 0.00
9	CO EQPT - P GAIN CHAN	257C					\$ 0.00
10	CO EQPT - FO MUX TERM	857C					\$ 0.00
11	CO EQPT - FO MUX CHAN	857C					\$ 0.00
12	CO EQPT - ANALOG SW	77C					\$ 0.00
13	CO EQPT - DIGITAL SW	377C					\$ 0.00
14	AERIAL CABLE (FIBER)	822C					\$ 0.00
15	BURIED CABLE (FIBER)	845C					\$ 0.00
16	UNDERGROUND (FO) CA.	85C					\$ 0.00
17	CONNECTORS	57C					\$ 0.00
18	MISC. COM EQP & PWR	57C					\$ 0.00
19	POLE LINE	1C					\$ 0.00
20	CONDUIT	4C					\$ 0.00
21							
22	DIRECT RESOURCES						
23	LAND	20C					\$ 0.00
24	BUILDING	10C					\$ 0.00
25	BLDG ENTRANCE CABLE	12C					\$ 0.00
26	INTRABLDG CABLE	52C					\$ 0.00
27	AERIAL CABLE (COPPER)	22C					\$ 0.00
28	BURIED CABLE (COPPER)	45C					\$ 0.00
29	UNDERGROUND (CU) CA.	5C					\$ 0.00
30	CO EQPT - P GAIN TERM	257C					\$ 0.00
31	CO EQPT - P GAIN CHAN	257C					\$ 0.00
32	CO EQPT - FO MUX TERM	857C					\$ 0.00
33	CO EQPT - FO MUX CHAN	857C					\$ 0.00
34	CO EQPT - ANALOG SW	77C					\$ 0.00
35	CO EQPT - DIGITAL SW	377C					\$ 0.00
36	AERIAL CABLE (FIBER)	822C					\$ 0.00
37	BURIED CABLE (FIBER)	845C					\$ 0.00
38	UNDERGROUND (FO) CA.	85C					\$ 0.00
39	CONNECTORS	57C					\$ 0.00
40	MISC. COM EQP & PWR	57C					\$ 0.00
41	POLE LINE	1C					\$ 0.00
42	CONDUIT	4C					\$ 0.00
43							
44	SPAN SUMMARY	0.00	0.00	0.00	0.00	0.00	0.00
45	AVG. WTD. SPAN SUMMARY	0.00	0.00	0.00	0.00	0.00	0.00
46	NOTE: [sum(INV _{ACCT} BAND * MIX(BAND))]						

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Bellcore (R)

RUN - FO MUX

LCAT

LAST UPDATE:

LOOP COST ANALYSIS TOOL

Release: 1.0.4

27-Jan-97

Issued: 7/31/95

10:07

FEEDER SEGMENT COST MODEL - FIBER IN THE LOOP TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 0 - 14000 F

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI			
BASIS	NETWORK	TEST CASE	
FR / DS	FLAT RATE	# BANDS	GIVEN 1
SVC LEVEL	NABAND	# CKTS	BE 0
CST METH	UN INCR	INV LEVEL	ANN COST

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A - C:\123R24\LCAT\CALC\FOPRGN.WK1
 B - FO_MUX - WORKSHEET 3
 C - Sheet 2 of 3
 D -
 E -
 F -
 G -

LOOP COST ANALYSIS TOOL
 ACCOUNT INVESTMENT WORKSHEET
 FOR PRIMARY FEEDER PLANT

COMPANY: CINCINNATI BELL TEL
 CITY / AREA: CINCINNATI
 STATE / PROV: OHIO

FACILITY TYPE: FIBER IN THE LOOP
 CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.
 SERVICE CLASS: BAND 2 - BUSINSERVICE LEVEL: NARBAND

LCAT Rel: 1.0.4
 ISSUE DATE: 7/31/95
 STUDY YR: 1995
 TEST CASE:
 LAST RUN: 27-Jan-96
 TIME: 10:22

PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1995 UNIT INVESTMENTS BY ACCOUNT	CIRCUIT QUANTITY	1995 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL LINE FILL	1995 UNIT LOOP INVESTMENT INCL. UTILIZATION	
				COST EQUATION		SHARED RESOURCES	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES
LAND	20C	F	SHARED	1.74	0	[H=F*G]	[H'=F*G']	1.0000	[K=H/J]	[K'=H'/J']
BUILDING	10C	F	SHARED	40.90	0			1.0000		
BLDG ENTRANCE CABLE	12C	---	---					1.0000		
INTRABLDG CABLE	52C	---	---					0.3500		
AERIAL CABLE (COPPER)	22C	V	DIRECT					0.6000		
BURIED CABLE (COPPER)	45C	V	DIRECT					0.6000		
UNDERGROUND (CU) CA.	5C	V	DIRECT					0.6000		
CO EQPT - LOW CAP TERM	257C	F	DIRECT	63.71	0			0.7000		
CO EQPT - LOW CAP CHAN	257C	V	DIRECT	172.79	0			0.7000		
CO EQPT - HI CAP TERM	857C	F	DIRECT	22.47	0			1.0000		
CO EQPT - HI CAP CHAN	857C	F	DIRECT	38.11	0			1.0000		
CO EQPT - ANALOG SW	77C	V	DIRECT	0.00	0			1.0000		
CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00	0			1.0000		
AERIAL CABLE (FIBER)	822C	F	DIRECT	0.00	0			0.3300		
BURIED CABLE (FIBER)	845C	F	DIRECT	0.00	0			0.3300		
UNDERGROUND (FO) CA.	85C	F	DIRECT	0.00	0			0.3300		
CONNECTORS	57C	V	DIRECT	0.00	0			1.0000		
MISC. COM EQP & PWR	57C	V	SHARED	13.71	0			1.0000		
POLE LINE	1C	F	DIRECT	0.00	0			1.0000		
CONDUIT	4C	F	DIRECT	0.00	0			1.0000		
TOTALS										

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FOOTNOTES
 NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
 NOTE 2: P GAIN CO EQPT = PG EQ INV + HUBMUX INV + MCE&P INV.
 NOTE 3: ESS CO EQPT = C.O. CONN + MCE&P INV
 NOTE 3: CABLE INVESTMENT IS THE SUM OF THE CABLE INV [H] + DRYER INV [J] + DROP WIRE ADJUST [K]

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LOOP COST ANALYSIS TOOL										Bellcore TM	
ANNUAL COSTS WORKSHEET										LCAT Rel: 1.0.4	
FOR PRIMARY FEEDER PLANT										ISSUE DATE: 7/31/95	
FACILITY TYPE: FIBER IN THE LOOP										STUDY YR: 1995	
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 2 - BU: SERVICE LEVEL: NARBAND										LAST RUN: 27-Jan-97	
										TIME: 10:23	
PLANT ITEM		PLANT ACCT CODE	1996 TO 1996 TPI	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT		
				SHARED RESOURCES fo3sixaset	DIRECT RESOURCES fo3dixaset		SHARED RESOURCES	DIRECT RESOURCES	SHARED RESOURCES fo3sixaset	DIRECT RESOURCES fo3dixaset	
				[M=K*L]	[M'=K'*L]	[N]	[P=M*N]	[P'=M'*N]	[Q=P/12]	[Q'=P'/12]	
[PREVIOUS SHEET SUMMARY]											
9	LAND	20C	1.0000			0.2232					
10	BUILDING	10C	1.0000			0.2847					
11	BLDG ENTRANCE CABLE	12C	1.0000			0.3532					
12	INTRABLDG CABLE	52C	1.0000			0.3832					
13	AERIAL CABLE (COPPER)	22C	1.0000			0.3943					
14	BURIED CABLE (COPPER)	45C	1.0000			0.3377					
15	UNDERGROUND (CU) CA.	5C	1.0000			0.3573					
16	CO EQPT - LOW CAP TERM	257C	1.0000			0.3791					
17	CO EQPT - LOW CAP CHAN	257C	1.0000			0.3791					
18	CO EQPT - HI CAP TERM	857C	1.0000			0.3791					
19	CO EQPT - HI CAP CHAN	857C	1.0000			0.3791					
20	CO EQPT - ANALOG SW	77C	1.0000			0.0000					
21	CO EQPT - DIGITAL SW	377C	1.0000			0.3368					
22	AERIAL CABLE (FIBER)	822C	1.0000			0.2893					
23	BURIED CABLE (FIBER)	845C	1.0000			0.2634					
24	UNDERGROUND (FO) CA.	85C	1.0000			0.2599					
25	CONNECTORS	57C	1.0000			0.3791					
26	MISC. COM EQP & PWR	57C	1.0000			0.3791					
27	POLE LINE	1C	1.0000			0.3717					
28	CONDUIT	4C	1.0000			0.2431					
TOTALS				\$ 0	\$ 0	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
FOOTNOTES											
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.											
NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION.											
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LOOP COST ANALYSIS TOOL

Bellcore^(R)TABLE - COST_METH
SHEET 1 of 2COST METHODS ASSIGNMENT TABLE
DISTRIBUTION SEGMENTCOMPANY: CINCINNATI BELL TEL.
STATE: OHIO

SWITCHED SERVICES

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1995

TEST CASE: 1

LAST UPDATE: 10-Dec-95

TIME: 08:30

PLANT ITEM	LCAT CODE	WHEN BANDWIDTH DELIVERY IS						
		NARROWBAND		WIDEBAND		BROADBAND		
		CATEGORY SENS. INDEX	RESOURCE ASSIGNMENT	CATEGORY SENS. INDEX	RESOURCE ASSIGNMENT	CATEGORY SENS. INDEX	RESOURCE ASSIGNMENT	
LAND	LAND	20C	F	SHARED	F	SHARED	F	SHARED
BUILDING	BLDG	10C	F	SHARED	F	SHARED	F	SHARED
BLDG ENTRANCE CABLE	BEC	12C	V	DIRECT	V	DIRECT	V	DIRECT
INTRABLDG CABLE	IBC	52C	V	DIRECT	V	DIRECT	V	DIRECT
AERIAL CABLE (COPPER) ①	ACU	22C	V	DIRECT	V	DIRECT	V	DIRECT
BURIED CABLE (COPPER) ①	BCU	45C	V	DIRECT	V	DIRECT	V	DIRECT
UNDERGROUND (CU) CA. ①	UCU	5C	V	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - LOW CAP TERM	DLCT	257C	F	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - LOW CAP CHAN	DLCC	257C	V	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - HI CAP TERM	MUXT	857C	F	DIRECT	F	DIRECT	F	DIRECT
CO EQPT - HI CAP CHAN	MUXC	857C	F	DIRECT	F	DIRECT	V	DIRECT
CO EQPT - ANALOG SW	ACOE	77C	V	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - DIGITAL SW	DCOE	377C	V	DIRECT	V	DIRECT	V	DIRECT
AERIAL CABLE (FIBER)	AFO	822C	F	DIRECT	F	DIRECT	F	DIRECT
BURIED CABLE (FIBER)	BFO	845C	F	DIRECT	F	DIRECT	F	DIRECT
UNDERGROUND (FO) CA.	UFO	85C	F	DIRECT	F	DIRECT	V	DIRECT
CONNECTORS	CONN	57C	V	DIRECT	V	DIRECT	V	DIRECT
MISC. COM EQP & PWR	MCEP	57C	F	SHARED	V	SHARED	V	SHARED
POLE LINE	POLE	1C	F	DIRECT	F	DIRECT	F	DIRECT
CONDUIT	COND	4C	F	DIRECT	F	DIRECT	F	DIRECT

FOOTNOTES

- ① THESE ASSIGNMENTS APPLY TO DEDICATED COPPER - PAIRS (NON-MULTIPLXED) FEEDER & DISTRIBUTION
 BY DEFINITION: ITEMS LABELED F(ixed) OR SHARED ARE EXCLUDED IN A MARGINAL COST STUDY
 ITEMS LABELED F(ixed) ARE EXCLUDED FROM ADDITIONS IN INCREMENTAL STUDIES
 ALL ITEMS ARE INCLUDED IN A PROSPECTIVE REPLACEMENT OR NEW INSTALLATION.

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HELP SCREEN**Belcore** (R)

TABLE - COST_METH

LCAT Rel : 1.0.4

Sheet 1 of 2

Issued : 07/31/95

<u>Field / Group Title</u>	<u>Valid Inputs</u>	<u>This field or grouping defines -</u>
SERVICES	(none)	The system matrix for DISTRIBUTION cost methodology for - The User selected Service Category - SWITCHED or PRIVATE LINE.
LCAT CODE	(none)	The system key code for this cost component
PLANT CODE	Any 5 (max) char. code	The User cross-reference code for the cost component or component group. Examples are "field" codes, sub-accounts.
DELIVERY	(none)	The Service Delivery Bandwidth Capacity for each group of methodology categories. The system defines 3 - Narrowband - denotes voice grade and sub-voice grade band width. Wideband - denotes bandwidths of the first level of digital hierarchy. Broadband - denotes bandwidths of the higher levels of digital hierarchy
CATEGORY	(none)	The group of Methodology Categories
SENSITIVITY INDEX	F, V	The Volatility Index to Distance or Demand Sensitivity - F for Fixed Value, Low sensitivity to Distance or Demand. V for Variable Usage, Cost Sensitive to Distance or Demand. S for Sunk Investment which only has an Annual Component.
RESOURCE ASSIGNMENT	SHARED, DIRECT	The Assigned Category of Circuit Function - DIRECT for Dedicated or Circuit Specific Investment. SHARED - for Multi-Circuit or Non-Specific Investment.

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
 ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****

PRESS <ENTER> TO RETURN TO THE MAIN MENU

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CA123R24\LCAT078\ COSTMETH

LOOP COST ANALYSIS TOOL

Bellcore (R)

TABLE - COST METH
SHEET 2 of 2COST METHODS ASSIGNMENT TABLE
FEEDER SEGMENTCOMPANY: CINCINNATI BELL TEL.
STATE: OHIO

SWITCHED SERVICES

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1996

TEST CASE: 1

LAST UPDATE: 10-Dec-96

TIME: 08:30

PLANT ITEM	WHEN BANDWIDTH DELIVERY IS					
	NARROWBAND		WIDEBAND		BROADBAND	
	CATEGORY	SENS. RESOURCE	CATEGORY	SENS. RESOURCE	CATEGORY	SENS. RESOURCE
		INDEX ASSIGNMENT		INDEX ASSIGNMENT		INDEX ASSIGNMENT
20C	F	SHARED	F	SHARED	F	SHARED
10C	F	SHARED	F	SHARED	F	SHARED
22C	V	DIRECT	V	DIRECT	V	DIRECT
45C	V	DIRECT	V	DIRECT	V	DIRECT
5C	V	DIRECT	V	DIRECT	V	DIRECT
257C	F	DIRECT	V	DIRECT	V	DIRECT
257C	V	DIRECT	V	DIRECT	V	DIRECT
857C	F	DIRECT	F	DIRECT	F	DIRECT
857C	F	DIRECT	F	DIRECT	V	DIRECT
77C	V	DIRECT	V	DIRECT	V	DIRECT
377C	V	DIRECT	V	DIRECT	V	DIRECT
822C	F	DIRECT	F	DIRECT	F	DIRECT
845C	F	DIRECT	F	DIRECT	F	DIRECT
85C	F	DIRECT	F	DIRECT	F	DIRECT
57C	V	DIRECT	V	DIRECT	V	DIRECT
57C	V	SHARED	V	SHARED	V	SHARED
1C	F	DIRECT	F	DIRECT	F	DIRECT
4C	F	DIRECT	F	DIRECT	F	DIRECT

FOOTNOTES

- ① THESE ASSIGNMENTS APPLY TO MULTIPLEXED COPPER FEEDER PAIRS ONLY
 BY DEFINITION: ITEMS LABELED F (fixed) OR SHARED ARE EXCLUDED IN A MARGINAL COST STUDY
 ITEMS LABELED F (fixed) ARE EXCLUDED FROM ADDITIONS IN INCREMENTAL STUDIES
 ALL ITEMS ARE INCLUDED IN A PROSPECTIVE, REPLACEMENT OR NEW INSTALLATION.

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C:\123R24\LCATR078\COSTMETH
TABLE - COST_METH
Sheet 2 of 2

HELP SCREEN

Belcore (R)
LCAT Rel : 1.0.4
Issued : 07/31/95

<u>Field / Group Title</u>	<u>Valid Inputs</u>	<u>This field or grouping defines -</u>
SERVICES	(none)	The system matrix for FEEDER cost methodology for - The User selected Service Category - SWITCHED or PRIVATE LINE.
LCAT CODE	(none)	The system key code for this cost component
PLANT CODE	(none)	The User nominated cross-reference code for the cost component or component group from the previous screen.
DELIVERY	(none)	The Service Delivery Bandwidth Capacity for each group of methodology categories. The system defines 3 - Narrowband - denotes voice grade and sub-voice grade band width. Wideband - denotes bandwidths of the first level of digital hierarchy. Broadband - denotes bandwidths of the higher levels of digital hierarchy
CATEGORY	(none)	The group of Methodology Categories
SENSITIVITY INDEX	F, V	The Volatility Index to Distance or Demand Sensitivity - F for Fixed Value, Low sensitivity to Distance or Demand. V for Variable Usage, Cost Sensitive to Distance or Demand. S for Sunk Investment which only has an Annual Component.
RESOURCE ASSIGNMENT	SHARED, DIRECT	The Assigned Category of Circuit Function DIRECT for Dedicated or Circuit Specific Investment SHARED - for Multi-Circuit or Non-Specific Investment

***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****

PRESS <ENTER> TO RETURN TO THE MAIN MENU

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C:\123R24\LCAT078\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore [®]	
INPUT - STUDY SETUP		GENERAL STUDY REQUIREMENTS		TODAY IS: 27-Jan-97	
LCAT Rel.: 1.0.4				LAST UPDATE:	
Issue Date: 3/31/95				10-Dec-96 09:36 AM	
STUDY NAME		1996 BAND 2 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 0 - 14000 FEET INTRASTATE			
COMMENTS					
SERVICE CLASS		BAND 2 - BUSINESS LINE		STUDY BASIS	
				☒ NETWORK	
				☐ INDIVIDUAL	
COMPANY		CINCINNATI BELL TEL.		INVESTMENT YEAR	
				1996	
STATE / PROVINCE		OHIO		LOOP CHAR. STUDY YEAR	
				1996	
CITY / AREA		CINCINNATI		STUDY YEAR	
				1996	
DENSITY CELL MIX		0 100 0 0		TEST CASE	
		VH HI MED LO		1	
DIGITAL LOOP CARRIER FACILITIES INCLUDED IN THE STUDY:					
Type Percent Mix:					
100 FIBER IN THE LOOP					
0 COPPER DIG LOOP CXR					

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C:\123R24\LCAT075\CRITERIA		HELP SCREEN	Belcore [®]
INPUT - STUDY SETUP			LCAT Rel. 1.0.4
Sheet 1 of 2			ISSUED: 3/31/95
THIS DISPLAY	This display's data and the data on the subsequent display are a record of this study's criteria and the system's parameters and is the TITLE PAGE of this study. Printouts should accompany the input, worksheets, and results.		
STUDY NAME	Enter in Free Form up to 35 Characters for a Study Title. This data will be inserted in the title box of the title display of each run module.		
COMMENTS	Enter in Free Form (as in a Word Processor) FOUR lines (Word Wrap is active) of Commentary that will help Explain the study criteria and rationale. The space will allow approximately 72 proportionately spaced characters per line, 288 total. To begin just start typing in the data after <Enter>ing the previous item. The character guide will appear after the first character is entered. Data can be edited in the normal WP manner, using the <BS>, , <Up>, <Dn>, etc... keys. PRESS THE < Enter > KEY TO STOP INPUTTING DATA.		
STUDY BASIS	Select with an "X" either an average NETWORK study or an INDIVIDUAL CASE study.		
FACILITY TYPE	Select by entering the percent of technology mix, the Facility types in the loop network that support the service/s/ under study or enter an "X" to denote inclusion.		
CELL DENSITY	Select by entering the percent of cell density mix, based upon the scope of the jurisdiction and the definitions of the cell layers: C1, C2, C3, C4; which represent the VERY HIGH, HIGH, MEDIUM, LOW qualifiers, such as, METRO, URBAN, SUBURBAN, and RURAL.		
***** PLEASE REFER TO THE USER MANUAL FOR INFORMATION ***** ***** CONCERNING ANY OTHER DATA INPUT ITEMS ON THIS DISPLAY ***** PRESS < Enter > KEY TO RETURN TO THE MAIN MENU			

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CA1123R24\LCAT075 CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore [®]						
INPUT - STUDY SETUP SHEET 2 / 2 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		GENERAL STUDY REQUIREMENTS STUDY QUESTIONS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - BUSINESS LINE		LCAT Rel. 1.0.4 ISSUED: 3/31/95 STUDY YEAR: 1996 TEST CASE: 1 LAST UPDATE: 10-Dec-96 TIME: 08:36 AM						
SELECTED QUESTIONS										
CONCERNING - SERVICE SPEC.	1. Is this Study for a NEW Installation or an ADDITION ? 2. Is this Study for a SWITCHED or PRIVATE LINE Service ? 3. Is this Study for Narrow, Wide, or Broadband Services 4. Is this Study for 2 Wire or 4 Wire Transmission ?	VALID RESPONSE SET N or A S or P N, W or B 2 or 4	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">NEW</td></tr> <tr><td style="text-align: center;">SWITCHED</td></tr> <tr><td style="text-align: center;">NARBAND</td></tr> <tr><td style="text-align: center;">2</td></tr> </table>		NEW	SWITCHED	NARBAND	2		
NEW										
SWITCHED										
NARBAND										
2										
OFFICE CHAR.	5. What Percent of the C.O. Switch Installations are DIGITAL Switches? 6. What Percent of Loop Carrier Installations are INTEGRATED DLC's? 7. What Percent of Loop Carrier Cross-connects are Electronic DCS's? 8. Deploy Digital Loop Carrier (loop pair gain) exclusively at ?	0 → 100 0 → 100 0 → 100 0 → 14000	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">100</td></tr> <tr><td style="text-align: center;">0</td></tr> <tr><td style="text-align: center;">14000 Feet</td></tr> </table>		100	0	14000 Feet			
100										
0										
14000 Feet										
RESULTS SPEC.	9. Do you want FLAT RATE or DISTANCE SENSITIVE parameters ? 9a. If Distance Sensitive, what band increments do you want ? 10. How many Cost Bands in this study ? 11. Should this Study result in Investment, Cost, or All values ? 12. Is this study for Total Incremental or Marginal Costs ? 13. How many circuits (loops) in this Study ? 14. The study classification is (e.g.; RATES PLAN, TEST DATA, NEW SERVICE) Required for the "Footer" of each Report page.	For DIVE 1,2,3,4 0 or 1 I, C or A T or M 1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">FLAT RATE</td></tr> <tr><td style="text-align: center;">PUBLIC</td></tr> <tr><td style="text-align: center;">COST</td></tr> <tr><td style="text-align: center;">TOT INCR</td></tr> <tr><td style="text-align: center;">1</td></tr> <tr><td style="text-align: center;">RATES PLAN</td></tr> </table>		FLAT RATE	PUBLIC	COST	TOT INCR	1	RATES PLAN
FLAT RATE										
PUBLIC										
COST										
TOT INCR										
1										
RATES PLAN										

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C:\123R24\LCATR078\CRITERIA

HELP SCREEN**Bellcore**

INPUT - STUDY SETUP

LCAT Rel. 1.0.4
ISSUED: 3/31/95

1. Specify **N** for New Installations or **A** for Addition to existing installations are being studied.
2. Specify **S** for the Switched Services or **P** for the Private Line (Special) Service category.
3. Specify **N** for Narrowband (DS0), **W** for Wideband (DS1), or **B** for Broadband Services category.
4. Specify as **2** for 2-wire or **4** for 4-wire, the circuit transmission paths used by the service/s being studied.
5. Specify Digital Switch Mix as a Percentage of Installations over Analog in the Jurisdiction.
6. & 7. Specify Integrated DLC Mix as a Percentage of the DLC equipment requirements.
Using **6.** for Switched Services or Using **7.** for Special (Private Line) Services.
8. Enter in feet, the loop length beyond which only Digital Loop Carrier Technology will be considered
9. Specify **F** for Flat Rate Loop or **D** for Distance Sensitive Bands, for the Cost Structure of the study
- 9A. Enter **1, 2, 3,** or **4** to specify either 1/4, 1/2, 3/4, or 1 mile, respectively, band increments in a Distance Sensitive Study
10. Specify the quantity of Cost Bands of Loop Lengths will be studied, for up to a maximum of 5 bands.
Enter **0** for Network Averaged (non-Banded) Input or Individual Circuit Flat Rate Cost Studies.
11. Specify **I** for Investment Only results or **C** for resultant Annual and Monthly Recurring Costs on **A** for all values.
12. Specify **T** for Total Incremental or **M** for Marginal (Direct Incremental) Average Weighted Costs Study.
13. Enter the quantity of loop circuits that will be the demand basis of this cost study.
Nominally, entering **1** provides a "UNIT" cost and any other value, a "TOTAL" cost.

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

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C:\123R24\LCATR078\DESIGN		LOOP COST ANALYSIS TOOL		Belcore
INPUT - LOOP_DESIGN Sheet 1 / 1		CIRCUIT DESIGN REQUIREMENTS CHARACTERISTICS FOR		LCAT Rel :1.0.4 Issued :07/31/95
COMPANY :CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996	STUDY YR: 1996	TEST CASE: 1
CITY / AREA :CINCINNATI		LOOP STUDY YEAR: 1996	LAST UPDATE: 10-Dec-96	
STATE / PROV :OHIO		SERVICE CLASS: BAND 2 - BUSINESS LINE	TIME: 08:41	

CIRCUIT DESIGN

Study Parameters	
Study Basis: NETWORK STUDY	Service Level: NARBAND Loop Topology: STAR

**CIRCUIT LAYOUT REQUIREMENTS -
FOR FIBER HUBS & FEEDER EXTENSIONS**

(FIBER HUB TO REMOTE TERMINAL LINK)

FACILITY INTERFACE SITES :

Proportion of Fiber Circuits
WITHOUT Fiber Hubs 0.0000

FACILITY TECHNOLOGIES:

Of the Hubbed Circuits -

Proportion of links on Fiber Tech. 0.0000

Proportion of links on CDLC / MAR 0.0000

FOR SERVICE ACCESS NETWORK

(REMOTE TERMINAL TO CUSTOMER LINK)

FACILITY INTERFACE SITES :

Proportion of Remote terminals
colocated at Customer Premises 0.0000

**CIRCUIT DESIGN REQUIREMENTS -
SELECTION & DISTRIBUTION:**

Note

FOR FIBER DLC DESIGNS:

Weighting of Design #1	0.0000
Weighting of Design #2	0.0000
Weighting of Design #3	1.0000
Weighting of Design #4	NA 0.0000
Weighting of Design #5	NA 0.0000
Weighting of Design #6	NA 0.0000
	1.0000

ChkSum

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FOR COPPER DLC DESIGNS:

Weighting of Design #1	1.0000
Weighting of Design #2	NA 0.0000
	1.0000

ChkSum

'NA' DENOTES THAT THE CIRCUIT DESIGN
PROBABLY DOES NOT APPLY TO THIS
SET OF STUDY PARAMETERS.

C:\123R24\LCATR078\DESIGN
INPUT - LOOP_DESIGN
Sheet 1 of 1

HELP SCREEN**Bellcore**

LCAT Rel :1.0.4
Issued :07/31/95

**DIGITAL LOOP
CARRIER
DESIGNS**

Each Loop's circuit layout is broken down into potentially the FEEDER, the DISTRIBUTION, and the DROP segment. The FEEDER segment can have THREE Spans, the PRIMARY and EXTENSION are realtime, but, the SUBFEEDER is a "filler" for spans or distances under PAIR GAIN Deployment and will be employed using engineering rules and network characteristics. The potential Fiber Optic DLC and Copper DLC circuit layouts have been categorized into several generic designs for purposes of narrowing down the complexity of the network contribution. The *DESIGN's* represent unique combinations of layers (COLLOCATION) and the transport media. There is a chart of these *DESIGN's* included in the DATA CATALOG and the METHODOLOGY sections of the User Guide.

COLLOCATIONS

To be defined as the combining of Loop functions at the same location, excluding the need for translation of the transport function (eliminating the OSP and termination equipment). Note that the sum of the probabilities do not have to equal total universe, therefore, the proportions are a function of the total serving universe (total loop network).

**FIBER HUBS &
FEEDER
EXTENSIONS**

These values represent the proportion of each technology used in the layouts which DO NOT have collocated FIBER HUB and REMOTE TERMINAL functions.

WARNING → This function must be in place for "RING" topologies as 100% FIBER, therefore, the *DESIGN* choices are limited for RING to *DESIGN's* 1 and 5. All other *DESIGN* are to be avoided.

**SERVICE
SPECIFIC**

To avoid circuit layout conflict with certain service levels, the input choices will be limited for BROADBAND service levels to those which currently support DS3 Xconn at both ends. Currently, that is, *DESIGN* 4, 5, & 6.

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C:\123R24\LCATR078\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore
TABLE - SPAN INV SHEET 1 / 4		LOOP FACILITY INPUT FIBER CABLE DATA		LCAT Ref: 1.0.4
COMPANY: CINCINNATI BELL TEL.		FOR		Issued: 07/31/95
CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1996		STUDY YR: 1996
STATE / PROV: OHIO		LOOP STUDY YEAR: 1996		TEST CASE: 1
		SERVICE CLASS: BAND 2 - BUSINESS LINE		LAST UPDATE: 10-Dec-96
				TIME: 08:43
FIBER CABLE INVESTMENT AND CHARACTERISTICS				
CABLE TYPE MIX (DISTRIBUTION TO CODE): Proportion of FIBER cable Installations that are		FOR FEEDER	FOR DISTRIBUTION	
		SEGMENTS	SEGMENTS	
		AERIAL	0.4800	0.0000 factors
		BURIED	0.0000	0.0000 factors
		UNDGRD	0.5200	0.0000 factors
INVESTMENT PER CABLE PAIR FOOT				
BY CABLE TYPE :				
Update Cable Sheath Prices on the FULL SET Input SHEET ? (Y/N)			N	[Required with INDIVIDUAL Mode]
If not, Update Unit Averages as Follows :				
PRIMARY SEGMENT				
Average Unit Investment for FIBER cable, Installed as		AERIAL	\$ 0.1930	per fiber pair Foot
		BURIED	\$ 0.2694	per fiber pair Foot
		UNDGRD	\$ 0.1827	per fiber pair Foot
		(to Fiber Hub)		
NOTICE MUST BE GIVEN				
FEEDER - EXTENSION SEGMENT AND DISTRIBUTION SEGMENT				
Average Unit Investment for FIBER cable, Installed as		AERIAL	\$ 0.1930	per fiber pair Foot
		BURIED	\$ 0.2694	per fiber pair Foot
		UNDGRD	\$ 0.1827	per fiber pair Foot
		(Fiber Hub to Remote Terminal)		
		(Remote Terminal to Service Point)		

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C:\123R24\LCATR078\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore	
TABLE - SPAN_INV		LOOP FACILITY INPUT		LCAT RAI: 1.04	
SHEET 1A / 4		FIBER CABLE DATA - BY CABLE SHEATH DETAIL		Issued: 07/31/95	
COMPANY: CINCINNATI BELL TEL.		FOR		STUDY YR: 1996	
CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1996		TEST CASE: 1	
STATE / PROV: OHIO		LOOP STUDY YEAR: 1996		LAST UPDATE: 10-Dec-96	
		SERVICE CLASS: BAND 2 - BUSINESS LINE		TIME: 08:43	

FIBER OPTIC CABLE INVESTMENT REFERENCE TABLE

Cable Sheath Sizes			Unit Investment per Cable Pair Foot, by Cable Type, by Cable Size			
CAPACITY			AERIAL	BURIED	UNDERGROUND	
INDEX						
4	Fiber Cable	2 pr	\$	\$	\$	
6	Fiber Cable	3 pr	\$	\$	\$	
12	Fiber Cable	6 pr	\$	\$	\$	
18	Fiber Cable	9 pr	\$	\$	\$	
24	Fiber Cable	12 pr	\$	\$	\$	
36	Fiber Cable	18 pr	\$	\$	\$	
48	Fiber Cable	24 pr	\$	\$	\$	
60	Fiber Cable	30 pr	\$	\$	\$	
72	Fiber Cable	36 pr	\$	\$	\$	
84	Fiber Cable	42 pr	\$	\$	\$	
96	Fiber Cable	48 pr	\$	\$	\$	
144	Fiber Cable	72 pr	\$	\$	\$	
192	Fiber Cable	96 pr	\$	\$	\$	
216	Fiber Cable	108 pr	\$	\$	\$	

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C:\123R24\LCATR078\FACILITY
TABLE - SPAN_INV
SHEET 1 / 4

HELP SCREEN

BelcoreTM
LCAT Rel: 1.0.4
Issued: 07/31/95

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***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES *****
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CM123R24\LCATR078\FACILITY		LOOP COST ANALYSIS TOOL				Bellcore (R)																																						
TABLE - SPAN_INV SHEET 2 / 4 COMPANY: CINCINNATI BELL TEL. CITY AREA: CINCINNATI STATE/PROV: OHIO		LOOP FACILITY INPUT COPPER CABLE DATA FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - BUSINESS LINE				LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 10-Dec-96 TIME: 08:43																																						
COPPER CABLE CHARACTERISTICS AND INVESTMENTS																																												
Cable Gauge Mix: The Proportion of Copper Cable that is		GAUGE <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>26 GA.</td></tr> <tr><td>24 GA.</td></tr> <tr><td>22 GA.</td></tr> </table>	26 GA.	24 GA.	22 GA.	FEEDER SEGMENT <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>0.1500</td></tr> <tr><td>0.8500</td></tr> <tr><td>0.0000</td></tr> </table>	0.1500	0.8500	0.0000	DISTRIBUTION SEGMENT <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>0.1500</td></tr> <tr><td>0.8500</td></tr> <tr><td>0.0000</td></tr> </table>	0.1500	0.8500	0.0000	Unit Investment per Cable Pair Foot By Cable Type, By Cable Gauge: Update Cable Sheath Prices [Required with INDIVIDUAL Mode] on the FULL SET input SHEET? (Y/N) N If not, Update																														
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	UNDGRND	\$ 0.0000	\$ 0.0000																																									
NOTE: If the DROP WIRE resource Investment is average values, it may be backed out through input of the Drop Wire Unit Investment (Sheet 5) and the flagging of the Adjustment either there or on the ADJUST input file worksheet.																																												

C:\123R24\LCATR075\FACILITY TABLE - SPAN_INV SHEET 2A / 4		LOOP COST ANALYSIS TOOL LOOP FACILITY INPUT COPPER CABLE DATA - BY CABLE SHEATH DETAIL FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BANO 2 - BUSINESS LINE		LCAT RGT: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 10-Dec-96 TIME: 08:43
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE/PROV: OHIO				

COPPER CABLE INVESTMENT REFERENCE TABLE

Unit Investment Per Cable Pair Foot, By Cable Gauge, By Cable Type, By Cable Size

Cable Sheath Sizes	Capacity	Gauge	=> INDEX	26 GA.			24 GA.			22 GA.		
				AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 Copper Cable	20 pr		\$									
50 Copper Cable	25 pr		\$									
80 Copper Cable	40 pr		\$									
100 Copper Cable	50 pr		\$									
140 Copper Cable	70 pr		\$									
200 Copper Cable	100 pr		\$									
400 Copper Cable	200 pr		\$									
600 Copper Cable	300 pr		\$									
800 Copper Cable	400 pr		\$									
1200 Copper Cable	600 pr		\$									
1800 Copper Cable	900 pr		\$									
2400 Copper Cable	1200 pr		\$									
3000 Copper Cable	1500 pr		\$									
3600 Copper Cable	1800 pr		\$									
4200 Copper Cable	2100 pr		\$									
4800 Copper Cable	2400 pr		\$									
5400 Copper Cable	2700 pr		\$									
6000 Copper Cable	3000 pr		\$									
7200 Copper Cable	3600 pr		\$									
8400 Copper Cable	4200 pr		\$									

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C:\123R24\LCATR078\FACILITY
TABLE - SPAN_INV
SHEET 2 / 4

HELP SCREEN

Bellcore
LCAT Rel : 1.0.4
Issued : 07/31/95

***** THE INPUT DATA NAMES IN RED CROSS - REFERENCE TO THE DATA CATALOG NAMES *****

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LCAT

INPUT SCREEN

Page -1

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LCAT

INPUT SCREEN

Page -2-

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C:\123R24\LCATR078\FACILITY.WK1

LOOP COST ANALYSIS TOOL

Bellcore[®]SPAN INV - WORKSHEET
Sheet 1 / 3COPPER CABLE DISTRIBUTIONS MELDING
WORKSHEET ALCAT Ver: 1.0.4
Issue Date: 07/31/95
STUDY YR: 1996
TEST CASE: 1996
DATE: 1
LAST UPDATE: 10-Dec-96
TIME: 08:43COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIOFACILITY TYPE: COPPER CABLE
DESIGN TYPE: DISTRIBUTION SEGMENT

SERVICE CLASS: BAND 2 - BUSINESS LINE

DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...dst)	PER FOOT INVESTMENT (pfi..ds)	CABLE GAUGE MIX (copper..dst)	ADJUSTED CABLE TYPE [D=A*C]	ADJUSTED PFI [E=B*C]
CHARACTERISTICS FOR:	[A]	[B]	[C]		
AERIAL @ 26 GA.	0.620000	\$ 0.042600	0.1500	0.093000	\$ 0.006390
BURIED @ 26 GA.	0.330000	\$ 0.066800	0.1500	0.049500	\$ 0.010020
UNDGRND @ 26 GA.	0.050000	\$ 0.058000	0.1500	0.007500	\$ 0.008700
AERIAL @ 24 GA.	0.620000	\$ 0.042600	0.8500	0.527000	\$ 0.036210
BURIED @ 24 GA.	0.330000	\$ 0.066800	0.8500	0.280500	\$ 0.056780
UNDGRND @ 24 GA.	0.050000	\$ 0.058000	0.8500	0.042500	\$ 0.049300
AERIAL @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000
BURIED @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000
UNDGRND @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000

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DATA DESC.	CABLE TYPE MIX RANGE NAME	MELDED GAUGES	PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES	PAIR / FOOT INVESTMENT RENORMALIZED AERIAL / BURIED	MELDED GAUGES
CHARACTERISTICS FOR:	[F=sum(D*Type)]		[G=sum(E*Type)]		[H=F*Type / sum(F*Type)]	
AERIAL	0.620000		\$ 0.042600		\$ 0.652632	
BURIED	0.330000		\$ 0.066800		\$ 0.347368	
UNDERGRND	0.050000		\$ 0.058000		-	
Check =	1.000000				Check =	1.000000

FOOTNOTES

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C:\123R24\LCATR078\FACILITY.WK1		LOOP COST ANALYSIS TOOL				Bellcore®	
SPAN INV = WORKSHEET Sheet 2 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET A FOR FACILITY TYPE: COPPER CABLE DESIGN TYPE: SUBFEEDER SEGMENT SERVICE CLASS: BAND 2 - BUSINESS LINE				LCAT Ver: 1.0.4 Issue Date: 07/31/95 STUDY YR: 1996 TEST CASE: 1996 DATE: 1 LAST UPDATE: 10-Dec-96 TIME: 08:43	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO							
DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...fdr)	PER FOOT INVESTMENT (pfi...fd)	CABLE GAUGE MIX (copper...fdr)	ADJUSTED CABLE TYPE	ADJUSTED PFI		
CHARACTERISTICS FOR:	[A]	[B]	[C]	[D=A*C]	[E=B*C]		
AERIAL @ 26 GA.	0.290000	\$ 0.011900	0.1500	0.043500	\$ 0.001785		
BURIED @ 26 GA.	0.020000	\$ 0.020500	0.1500	0.003000	\$ 0.003075		
UNDGRND @ 26 GA.	0.690000	\$ 0.011000	0.1500	0.103500	\$ 0.001650		
AERIAL @ 24 GA.	0.290000	\$ 0.011900	0.8500	0.246500	\$ 0.010115		
BURIED @ 24 GA.	0.020000	\$ 0.020500	0.8500	0.017000	\$ 0.017425		
UNDGRND @ 24 GA.	0.690000	\$ 0.011000	0.8500	0.586500	\$ 0.009350		
AERIAL @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000		
BURIED @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000		
UNDGRND @ 22 GA.	0.000000	\$ 0.000000	0.0000	0.000000	\$ 0.000000		
CONFIDENTIAL							
NOTICE MUST BE GIVEN							
Check = 1.00							
PRIOR TO RELEASE TO TABLE 1C							
TABLE 2		TABLE 1C		TABLE 1C			
DATA DESC.	CABLE TYPE MIX RANGE NAME	MELDED GAUGES	PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES	PAIR / FOOT INVESTMENT RENORMALIZED AERIAL / BURIED	MELDED GAUGES	
CHARACTERISTICS FOR:	[F=sum(D*Type)]		[G=sum(E*Type)]		[H=F*Type / sum(F*Type)]		
AERIAL	0.290000		\$ 0.011900		\$ 0.935484		
BURIED	0.020000		\$ 0.020500		\$ 0.084516		
UNDERGRND	0.690000		\$ 0.011000		-		
Check = 1.000000				Check = 1.000000			
FOOTNOTES							

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C:\123R24\LCAT078\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore (R)
TABLE - SPAN_INV SHEET 3 / 4		LOOP FACILITY INPUT COPPER PAIRGAIN CABLE DATA FOR		LCAT Rel: 1.0.4 Issued: 07/31/95
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE/PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - BUSINESS LINE		STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 10-Dec-96 TIME: 08:43
COPPER CABLE CHARACTERISTICS FOR CDLC SYSTEMS				
FOR DLC SYSTEMS ON COPPER LOOPS				
Cable Gauge :	Please Enter the NUMBER for 22 GA., 24 GA., or 26 GA. :			24
Pair Gain Factor :	(When Investment Utilities or Band Width Mix are NOT Used)			
	The Average Number Of Voice Grade Circuit Equivalents Per System :			96
	The Average Number Of Transmission Pairs Plus Protection Per System :			10
	The Average Number Of Support (Power, Alarm, Etc) Pairs Per System :			2
	Ratio Of Required Pairs To Derived Pairs [Pair Gain Factor] :			0.1250
CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO				
NOTE: ① The value represents the extent to which copper pairs are gained. For example, A 96 Channel System uses 4 Transmit Pairs, 4 Receive Pairs, 2 Protection Pairs and 2 Support Pairs (Test and Order Wire). Then the Derived Pairs would be the Sum of the Pairs divided by the Working Channels Or $(10 + 2) / 96 = 0.125$. When applied to segment length it becomes the Effective Length per Pair.				

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C:\123R24\LCATR078\FACILITY
TABLE - SPAN_INV
SHEET 3 / 4

HELP SCREEN**Belcore** (R)

LCAT Rel: 07/31/95
Issued: 07/31/95

pggauge	In CSA rules, a single gauge is preferred for CDLC
vgcheqv	Each CDLC has a voice grade equivalent, usually referred to as a ____ Channel System. Domestic systems are basic 96 Channel, whereas, International are 120 Channel
xmsnpr	CDLC uses a Transmit/Receive Pair for each direction (unidirectional), therefore, the basic structure is four sets of two pairs plus one protection set (10 pairs)
suptpr	CDLC is customarily supported by a power pair and an alarm pair (2 pair)
pgfactor	Where : pgfactor = (# of xmsnpr + # of suptpr) / vgcheqv

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C:\123R24\LCATR078\FACILITY.WK1		LOOP COST ANALYSIS TOOL		Bellcore [®]	
SPAN INV - WORKSHEET Sheet 3 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET 8		LCAT R#1: 1.0.4 Issue Date: 07/31/95	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: OHIO STATE / PROV: CINCINNATI		FOR FACILITY TYPE: COPPER CABLE for DLC DESIGN TYPE: FEEDER SEGMENT		STUDY YR: 1995 TEST CASE: 1995 DATE: 1 LAST UPDATE: 10-Dec-96 TIME: 08:43	
		SERVICE CLASS: BAND 2 - BUSINESS LINE			
INVESTMENT DEVELOPMENT FOR:		MELDED CABLE INVESTMENT PER PAIR FOOT LINE REPEATER EQUIPMENT			
DESCRIPTION	REPEATER SPACING	UNIT REPEATER INVESTMENT	REPEATER INVEST. PER FOOT		
	[A]	[B]	[C=B/A]		
LINE REPEATER AT 26 GA.	3500	\$ 0	\$ 0.000000		
LINE REPEATER AT 24 GA.	4500	\$ 0	\$ 0.000000		
LINE REPEATER AT 22 GA.	5500	\$ 0	\$ 0.000000		
TABLE 4 DEVELOPMENT FOR:		COPPER CABLE UNIT INVESTMENT		FOR DLC Gauge: 24.00 - TABLE 4 -	
ADJUSTED PAIR / FOOT INVESTMENT	PAIR / FOOT INVESTMENT BY CODE BY GAUGE	REPEATER BY GAUGE	WORKING CHANNEL INVESTMENT / FOOT	WORKING CHANNEL INVESTMENT / FOOT	
DESCRIPTION	2 * (PFICG) [D]	(RPTR CGG) [E=C]	(ADLCPFFC) [F]	(ADLCPFFC) [F]	
AERIAL @ 26 GA.	\$ 0.023800	\$ 0.000000	\$ 0.023800	\$ 0.023800	
BURIED @ 26 GA.	\$ 0.041000	\$ 0.000000	\$ 0.041000	\$ 0.041000	
UNDGRND @ 26 GA.	\$ 0.022000	\$ 0.000000	\$ 0.022000	\$ 0.022000	
AERIAL @ 24 GA.	\$ 0.023800	\$ 0.000000	\$ 0.023800	\$ 0.023800	
BURIED @ 24 GA.	\$ 0.041000	\$ 0.000000	\$ 0.041000	\$ 0.041000	
UNDGRND @ 24 GA.	\$ 0.022000	\$ 0.000000	\$ 0.022000	\$ 0.022000	
AERIAL @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
BURIED @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
UNDGRND @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
NOTES: ① The Facility Table Investments are for each Cable Pair Foot, DLC Systems are 4 wire.					

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C:\123R24\LCATR078\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore (P)								
TABLE - SPAN_INV SHEET 4 / 4		LOOP FACILITY INPUT SERVICE ACCESS SEGMENT FOR		LCAT Rel: 1.0.4 Issued: 07/31/95								
COMI COMPANY: CINCINNATI BELL TEL		INVESTMENT YEAR: 1996		STUDY YR: 1996								
CITY / AREA: CINCINNATI		LOOP STUDY YEAR: 1996		TEST CASE: 1								
STATE/PROV: OHIO		SERVICE CLASS: BAND 2 - BUSINESS LINE		LAST UPDATE: 10-Dec-96 TIME: 08:43								
SERVICE ACCESS CHARACTERISTICS AND INVESTMENTS												
AVERAGE UNIT MIX :		AVERAGE UNIT INVESTMENT :										
The Average Number of Terminals in the Service Access Segment of a Loop -												
Proportion of Loops that use.....	<table border="1" style="display: inline-table; vertical-align: top;"> <tr><td>Aerial</td><td>0.00</td></tr> <tr><td>Buried</td><td>0.00</td></tr> </table>	Aerial	0.00	Buried	0.00	Per Unit Installation.....	<table border="1" style="display: inline-table; vertical-align: top;"> <tr><td>Aerial Termination</td><td>0</td></tr> <tr><td>Buried Termination</td><td>0</td></tr> </table>	Aerial Termination	0	Buried Termination	0	
Aerial	0.00											
Buried	0.00											
Aerial Termination	0											
Buried Termination	0											
The Average Drop Wire & Building Entrance Cable Installation -												
Proportion of Loops that use..	<table border="1" style="display: inline-table; vertical-align: top;"> <tr><td>Aerial Wire Drops</td><td>0.0000</td></tr> <tr><td>Buried Wire Drops</td><td>0.0000</td></tr> <tr><td>Bldg Entrance Cable</td><td>1.0000</td></tr> <tr><td>Aerial Coax/Wire Drops</td><td>0.0000</td></tr> </table>	Aerial Wire Drops	0.0000	Buried Wire Drops	0.0000	Bldg Entrance Cable	1.0000	Aerial Coax/Wire Drops	0.0000	Adjust Cable Pair Foot. Invest. for DW Investment? (Y/N)	N	
Aerial Wire Drops	0.0000											
Buried Wire Drops	0.0000											
Bldg Entrance Cable	1.0000											
Aerial Coax/Wire Drops	0.0000											
		Per Unit Installation.....	<table border="1" style="display: inline-table; vertical-align: top;"> <tr><td>Aerial Wire Drops</td><td>\$ 0.00</td></tr> <tr><td>Buried Wire Drops</td><td>\$ 0.00</td></tr> <tr><td>Bldg Entrance Cable</td><td>\$ 75.00</td></tr> <tr><td>Aerial Coax/Wire Drops</td><td>\$ 0.00</td></tr> </table>	Aerial Wire Drops	\$ 0.00	Buried Wire Drops	\$ 0.00	Bldg Entrance Cable	\$ 75.00	Aerial Coax/Wire Drops	\$ 0.00	
Aerial Wire Drops	\$ 0.00											
Buried Wire Drops	\$ 0.00											
Bldg Entrance Cable	\$ 75.00											
Aerial Coax/Wire Drops	\$ 0.00											
NOTICE MUST BE PROVIDED TO PUCO PRIOR TO RELEASE												
The Average Intrabuilding Cable Installation -												
Proportion of Installations with Intrabuilding Cable	0.0000	Per Instn for a Intrabuilding Network Cable Pair	\$ 0.00									

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\\LCATR078\FACILITY
SPAN_INV
14

HELP SCREEN

Belcore®
LCAT Rel: 1.0.4
Issued: 07/31/95

termb These terminals may include the Serving Area Interface Cross Box, Drop Wire Block, and/or the Network interface Block summary per circuit pair installation investment.

adropinv These facility investments may also include Drop Wire Block and/or Network Interface summary per circuit pair installation investment.

bec
coaxinv

ibc This facility investment should include ALL the internal cross-connects and terminations for this type of installation as a circuit pair installation investment.

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C:\123R24\LCATR078\FACTORS		LOOP COST ANALYSIS TOOL		Belcore
TABLE - FACTORS SHEET 1 / 1		INVESTMENT RELATED FACTOR TABLES		LCAT Rel : 1.0.4
		FOR		Issued : 3/31/95
		ANNUALIZATION FACTORS		STUDY YR : 1996
		INVESTMENT YEAR : 1996		TEST CASE : 1
		STUDY YEAR : 1996		LAST UPDATE : 20-Jan-97
COMPANY : CINCINNATI BELL TEL.		SERVICE CLASS: BAND 2 - BUSINESS LINE		TIME : 12:52
CITY / AREA : CINCINNATI				
STATE / PROV : OHIO				
plant list		PRICE INDEX	ANNUAL COST	
LAND		1.0000	0.2232	
BUILDING		1.0000	0.2847	
BLDG ENTRANCE CABLE		1.0000	0.3832	
INTRABLDG CABLE		1.0000	0.3832	
AERIAL CABLE (COPPER)		1.0000	0.3943	
BURIED CABLE (COPPER)		1.0000	0.3377	
UNDERGROUND (CU) CA.		1.0000	0.3573	
CO EQPT - LOW CAP TERM		1.0000	0.3791	
CO EQPT - LOW CAP CHAN		1.0000	0.3791	
CO EQPT - HI CAP TERM		1.0000	0.3791	
CO EQPT - HI CAP CHAN		1.0000	0.3791	
CO EQPT - ANALOG SW		1.0000	0.0000	
CO EQPT - DIGITAL SW		1.0000	0.3368	
AERIAL CABLE (FIBER)		1.0000	0.2893	
BURIED CABLE (FIBER)		1.0000	0.2634	
UNDERGROUND (FO) CA.		1.0000	0.2599	
CONNECTORS		1.0000	0.3791	
MISC. COM EQP & PWR		1.0000	0.3791	
POLE LINE		1.0000	0.3717	
CONDUIT		1.0000	0.2431	

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C:\123R24\LCATR078\INVEST		LOOP COST ANALYSIS TOOL				Bellcore (R)	
TABLE - EQUIP_INV Sheet 1 of 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA : CINCINNATI STATE / PROV : OHIO		DATA REFERENCE TABLE EQUIPMENT & OTHER INVESTMENTS FOR INVESTMENT YEAR: 1996 SERVICE LEVEL: NARBAND SERVICE CLASS: BAND 2 - BUSINESS LINE				LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 09-Jan-97 15:26	
EQUIPMENT INVESTMENT		(Including Engineer, Furnish, & Install Costs)					
		CENTRAL OFFICE			REMOTE LOCATION		
		LINE	CHANNEL	TERMINAL	CHANNEL	TERMINAL	
AIR DRYERS INVESTMENT:							
For an AERIAL Installed Cable Pair				\$ 0.00			
For a BURIED Installed Cable Pair				\$ 0.00			
For an UNDERGROUND Installed Cable Pair				\$ 0.00			
CENTRAL OFFICE TERMINATION INVESTMENT :							
For each cable pair associated with twisted pair copper cable				\$ 0.00			
For each per cable pair associated with digital loop carrier technology				\$ 0.00			
COPPER LOOP CARRIER UNIT CIRCUIT INVESTMENT by SERVICE LEVEL :							
For each line repeater for one copper digroup (not svc lev)		\$ 0.00					
For an Office Repeater Bay for a T1 Line		\$ 0.00					
For a Universal DLC Equipment Arrangement		\$ 0.00	\$ 87.51	\$ 12.14	\$ 85.28	\$ 51.57	
For an Integrated DLC Equipment Arrangement		\$ 0.00	\$ 0.00	\$ 0.00	\$ 85.28	\$ 51.57	
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL :							
1. For a Hub with nonFiber Extensions or nonHub Arrangement					\$ 18.49	\$ 2.35	
2. For a Hub with Fiber Extensions or a Fiber Ended Arrangement		\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	
3. For a Fiber HUB and Fiber Remote Terminal Arrangement					\$ 0.00	\$ 0.00	
4. For Fiber Ring Hub Arrangements (Extensions)					\$ 0.00	\$ 0.00	
CEV HOUSING per CIRCUIT by SERVICE LEVEL :							
For CEV's used as fiber hubs for FO Multiplexer equipment						\$ 0.00	
For CEV's used as remote terminals for CDLC equipment						\$ 0.00	
[Unit Investment denotes average weighted unit E.F.I Investment at DS0, DS1, or DS3 service equiv.]							

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TABLE - EQUIP_INV

HELP INFORMATION

Bellcore

LCAT Rel: 1.0.4

Issued: 07/31/95

LCAT Commands Description

This Command will allow the User -

EDIT To Enter Values with DIRECT Input on a cell by cell basis.
 CLEAR To Erase the Display's Current Data Values, then Perform DIRECT Input.

Line Items Description

This Equipment Item Represents -

Ofc Rept Bay A Wideband Special Service Circuits Requirement, included in other DLC COE LINE.
 Integrated DLC The DLC Class for Source Bandwidth from Digital Line Cards or DSX Term for DS1.
 Universal DLC The DLC Class for Source Bandwidth from Analog Subs Line Cards or Voice Grade Term.

See Circuit Designs:

COE Field Item 1	FITL/CDLC Hub Extension or FITL non-Hubbing Arrangements, CO End Equip.	2,3,4 & 6
REM Field Item 1	FITL/CDLC Hub Extension or FITL non-Hubbing Arrangements, REM End Equip.	2,3,4 & 6
COE Field Item 2	FITL Hubbed Arrangements, CO to HUB Span Equip, CO End.	1 & 5
REM Field Item 2	FITL Hubbed Arrangements, CO to HUB Span Equip, Remote Site.	1 & 5
REM Field Item 3	FITL Hubbed Arrangements, HUB to RT Span Equip, Remote Sites.	1 & 5
REM Field Item 4	FITL Hubbed Arrangements, RING Span Equip, HUB Sites.	1,2,5 & 6

NOTE: THE DATA VALUES FOR THESE ITEMS SHOULD ALWAYS REPRESENT
 THE CIRCUIT EQUIVALENTS FOR THE BANDWIDTH DELIVERY OF THE STUDIED SERVICE.

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C:\123R24\LCATR078\LOADING		LOOP COST ANALYSIS TOOL		Bellcore®
TABLE - ADDNL_INV Sheet 1 of 2 COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT RELATED FACTOR TABLES ADJUSTMENT AND LOADING FACTORS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - BUSINESS LINE		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 10-Dec-96 TIME: 08:53
PLANT UTILIZATION FACTORS:				
Land	1.0000	ALL Non-Traffic Sensitive Equipment		1.0000
Building	1.0000	ALL Digital Loop Carrier Equip., or		0.7000
ALL Copper Cables, or		CO DLC Channel Unit		0.7000
Copper Feeder Cable	0.6000	REM DLC Channel Unit		0.7000
Copper Distribution Cable	0.3500	CO DLC Multiplex System		0.7000
Copper Entrance Cable	1.0000	REM DLC Multiplex System		0.7000
Copper Building Cable	0.3500	CO Digital Signal Crossconnect Bay		0.7000
Copper Building Terminal	0.3500	REM Digital Signal Crossconnect Bay		0.7000
ALL Fiber Cables, or		ALL Fiber Optic Multiplex Equip., or		1.0000
Fiber Feeder Cable	0.3300	CO Fiber Optic Channel Unit		1.0000
Fiber Distribution Cable		REM Fiber Optic Channel Unit		1.0000
Fiber Entrance Cable		CO Fiber Optic Multiplex System		1.0000
Fiber Building Cable		REM Fiber Optic Multiplex System		1.0000
Fiber Building Terminal		CO Lightguide Terminating Equipment		1.0000
		REM Lightguide Terminating Equipment		1.0000
Poles	1.0000	Remote Housing: CEV		1.0000
Conduit	1.0000	PROVIDED TO PUCO		1.0000
		Comm. Svc. Cab.		1.0000

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TABLE - ADDNL_INV
Sheet 1 of 2

HELP SCREEN**Belcore** (R)

LCAT Rel : 1.0.4
Issued : 3/31/95

NOTE :

- ① THIS VALUE REPRESENTS GLOBAL (CATEGORY 1) INPUT FOR THESE ITEMS.
AN ENTRY SETS CATEGORY 2 VALUES TO THE CATEGORY 1 VALUE BY THE SYSTEM.
- ② THE VALUES IN THIS TABLE REPRESENT DETAIL FACTORS (CATEGORY 2 VALUES).
THESE ITEMS ARE APPLIED IN THE COST EQUATIONS FOR THE COMPONENT THEY IDENTIFY.
ENTRIES NEGATE CATEGORY 1 VALUES BY THE SYSTEM.
- ③ THE DESIGNATION "CO" DENOTES CENTRAL OFFICE LOCATED.
THE DESIGNATION "REM" DENOTES REMOTE SITE LOCATED.

PROVIDED TO PUCO

***** PLEASE REFER TO THE USER MANUAL FOR INFORMATION *****
***** CONCERNING ANY OTHER DATA INPUT ITEMS ON THIS DISPLAY *****

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

C:\123R24\LCATR078\LOADING		LOOP COST ANALYSIS TOOL		Bellcore (R)																					
TABLE - ADDNL_INV Sheet 2 of 2 COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT RELATED FACTOR TABLES ADJUSTMENT AND LOADING FACTORS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - BUSINESS LINE		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 10-Dec-95 TIME: 08:53																					
SEGMENT DISTRIBUTION FEEDER ② use DEFAULT		DROP WIRE (DW) INVESTMENT ADJUSTMENT: The Cable PFI is being Adjusted for DW ? NO Aerial Cable Buried Cable Underground Cable use DEFAULT ① ② for: CENT. OFC. REMOTE SITE																							
POLE LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Copper Cable Pole Investment Factor</td> <td>0.2530</td> <td>0.2530</td> </tr> <tr> <td>Copper Cable Pole Unit Investment</td> <td></td> <td></td> </tr> <tr> <td>Fiber Cable Pole Investment Factor</td> <td>0.1965</td> <td>0.1965</td> </tr> <tr> <td>Fiber Cable Pole Unit Investment</td> <td></td> <td></td> </tr> </table>		Copper Cable Pole Investment Factor	0.2530	0.2530	Copper Cable Pole Unit Investment			Fiber Cable Pole Investment Factor	0.1965	0.1965	Fiber Cable Pole Unit Investment			LAND LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or ALL ①</td> <td>0.0056</td> <td>0.0056</td> </tr> <tr> <td>Digital Loop Carrier</td> <td>0.0056</td> <td>0.0056</td> </tr> <tr> <td>Fiber Optic Mux</td> <td>0.0056</td> <td>0.0056</td> </tr> </table>			Other or ALL ①	0.0056	0.0056	Digital Loop Carrier	0.0056	0.0056	Fiber Optic Mux	0.0056	0.0056
Copper Cable Pole Investment Factor	0.2530	0.2530																							
Copper Cable Pole Unit Investment																									
Fiber Cable Pole Investment Factor	0.1965	0.1965																							
Fiber Cable Pole Unit Investment																									
Other or ALL ①	0.0056	0.0056																							
Digital Loop Carrier	0.0056	0.0056																							
Fiber Optic Mux	0.0056	0.0056																							
CONDUIT LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Copper Cable Conduit Investment Factor</td> <td>0.5165</td> <td>0.5165</td> </tr> <tr> <td>Copper Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> <tr> <td>Fiber Cable Conduit Investment Factor</td> <td>0.5232</td> <td>0.5232</td> </tr> <tr> <td>Fiber Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> </table>		Copper Cable Conduit Investment Factor	0.5165	0.5165	Copper Cable Conduit Unit Investment			Fiber Cable Conduit Investment Factor	0.5232	0.5232	Fiber Cable Conduit Unit Investment			BUILDING LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or ALL ①</td> <td>0.1316</td> <td>0.1316</td> </tr> <tr> <td>Digital Loop Carrier</td> <td>0.1316</td> <td>0.1316</td> </tr> <tr> <td>Fiber Optic Mux</td> <td>0.1316</td> <td>0.1316</td> </tr> </table>			Other or ALL ①	0.1316	0.1316	Digital Loop Carrier	0.1316	0.1316	Fiber Optic Mux	0.1316	0.1316
Copper Cable Conduit Investment Factor	0.5165	0.5165																							
Copper Cable Conduit Unit Investment																									
Fiber Cable Conduit Investment Factor	0.5232	0.5232																							
Fiber Cable Conduit Unit Investment																									
Other or ALL ①	0.1316	0.1316																							
Digital Loop Carrier	0.1316	0.1316																							
Fiber Optic Mux	0.1316	0.1316																							
		MISC. EQUIPMENT & POWER LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or ALL ①</td> <td>0.1127</td> <td>0.1127</td> </tr> <tr> <td>Digital Loop Carrier</td> <td>0.1127</td> <td>0.1127</td> </tr> <tr> <td>Fiber Optic Mux</td> <td>0.1127</td> <td>0.1127</td> </tr> </table>			Other or ALL ①	0.1127	0.1127	Digital Loop Carrier	0.1127	0.1127	Fiber Optic Mux	0.1127	0.1127												
Other or ALL ①	0.1127	0.1127																							
Digital Loop Carrier	0.1127	0.1127																							
Fiber Optic Mux	0.1127	0.1127																							

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TABLE - ADDNL_INV
Sheet 2 of 2

HELP SCREEN

Bellcore[®]

LCAT Rel : 1.0.4
Issued : 3/31/95

Copper Cable Pole Investment Factor	cpiff	_dst	_fdr	Based on aerial copper cable investment relationship to pole
Copper Cable Pole Unit Investment	cpifi	_dst	_fdr	Per unit length of aerial copper cable effective pair feet placed.
Fiber Cable Pole Investment Factor	fpiff	_dst	_fdr	Based on aerial fiber cable investment relationship to pole
Fiber Cable Pole Unit Investment	fpifi	_dst	_fdr	Per unit length of aerial fiber cable effective pair feet placed.
Copper Cable Conduit Investment Factor	cucff	_dst	_fdr	Based on underground copper cable investment relationship to conduit investment
Copper Cable Conduit Unit Investment	cucfi	_dst	_fdr	Per unit length of underground copper cable effective pair feet placed.
Fiber Cable Conduit Investment Factor	fucff	_dst	_fdr	Based on underground fiber cable investment relationship to conduit investment
Fiber Cable Conduit Unit Investment	fucfi	_dst	_fdr	Per unit length of underground fiber cable effective pair feet placed.

NOTES

- ① THIS VALUE REPRESENTS GLOBAL (CATEGORY 1) INPUT FOR THESE ITEMS.
AN ENTRY SETS CATEGORY 2 VALUES TO THE CATEGORY 1 VALUE BY THE SYSTEM.

- ② THE VALUES IN THIS TABLE REPRESENT DETAIL FACTORS (CATEGORY 2 VALUES).
THESE ITEMS ARE APPLIED IN THE COST EQUATIONS FOR THE COMPONENTS THEY IDENTIFY.
ENTRIES NEGATE CATEGORY 1 VALUES BY THE SYSTEM.

***** PLEASE REFER TO THE USER MANUAL FOR INFORMATION
***** CONCERNING ANY OTHER DATA INPUT ITEMS ON THIS DISPLAY *****

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

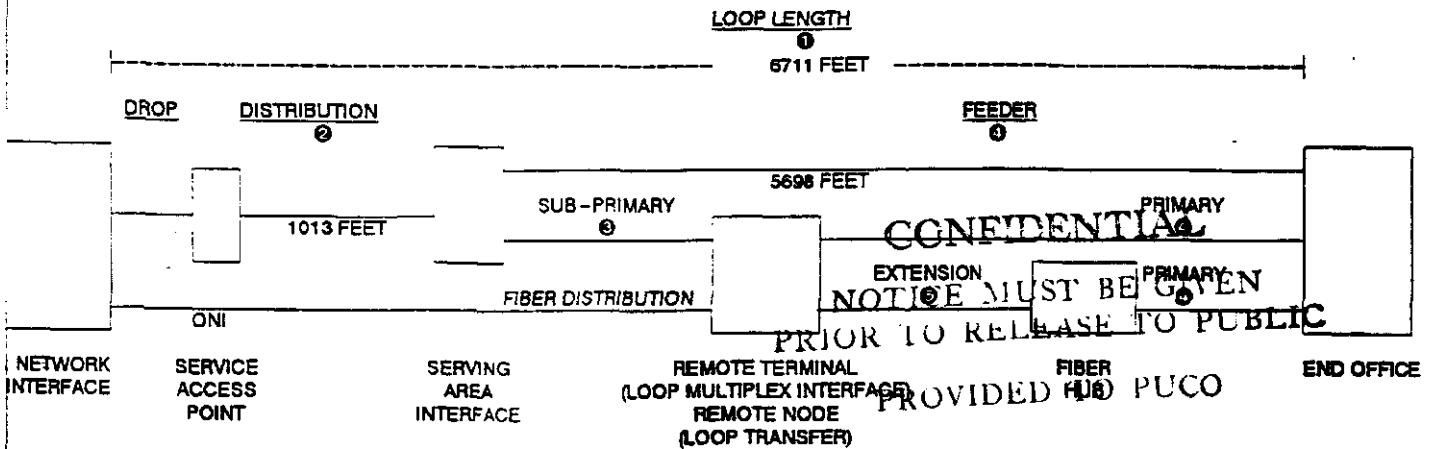
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CA123R24\LCATR078\SPAN		LOOP COST ANALYSIS TOOL		Bellcore (R)
INPUT - PLANT_CHAR. Sheet 1 / 5		LOOP FACILITY INPUT		LCAT Rel : 1.0.4
COMPANY: CINCINNATI BELL TEL		LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS		Issued : 07/31/95
CITY / AREA: CINCINNATI		FOR		STUDY YR : 1996
STATE / PROV: OHIO		INVESTMENT YEAR : 1996		TEST CASE : 1
		LOOP STUDY YEAR : 1996		LAST UPDATE : 10-Dec-95
		SERVICE CLASS : BAND 2 - BUSINESS LINE		TIME : 08:56
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY				
LOOP TOPOLOGY		ACTION SEGMENT		
Loop FEEDER Network Configuration Is (S)tar Or (R)ing		PRIMARY STAR		
Average Number Of Hubs In Each Ring		PRIMARY NA		
Loop DISTRIBUTION Network Configuration Is (S)tar or (B)us		DISTRIBUTION STAR		
SPAN LENGTHS				
①	Average Distance From the Central Office to the Service Access Point	TOTAL LOOP 6711.0		
②	Average Distance From the Serving Area Interface to the Service Access Point	DISTRIBUTION 1013.0		
③	Average Distance From the Remote Terminal to the Serving Area Interface	SUB-PRIMARY 300.0		
④	Average Distance From the Central Office to the Fiber Hub or S.A.I.	PRIMARY 5398.0		
⑤	Average Distance From the Fiber Hub to the Remote Terminal	PRIMARY-EXTENSION		
LOOP LENGTH AT EACH COST BAND		CONFIDENTIAL		
BAND 1		NOTICE MUST BE GIVEN		
BAND 2		PRIOR TO RELEASE TO PUBLIC		
BAND 3		PROVIDED TO PUCO		
BAND 4				
BAND 5				
DISTRIBUTION OF COST BANDS IN THE NETWORK				
BAND 1				
BAND 2				
BAND 3				
BAND 4				
BAND 5				
LAST 6711.0		LAST 1.0000 1.0000 Hint		

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C:\123R24\LCATR078\SPAN		LOOP COST ANALYSIS TOOL		Belcore®
INPUT - PLANT_CHAR.	LOOP FACILITY INPUT	LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS		LCAT Rel: 1.0.4
Sheet 1 / 1	FOR			Issued: 07/31/95
COMPANY: CINCINNATI BELL TEL.	INVESTMENT YEAR: 1996			STUDY YR: 1996
CITY / AREA: CINCINNATI	LOOP STUDY YEAR: 1996			TEST CASE: 1
STATE / PROV: OHIO	SERVICE CLASS: BAND 2 - BUSINESS LINE			LAST UPDATE: 10-Dec-96
				TIME: 08:56

FLAT RATE BASIS DATA WITHOUT COST BANDS
FOR A NETWORK CIRCUIT CASE STUDY



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C:\123R24\LCAT\078\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]	
INPUT - PLANT_CHAR. Sheet 1 of 2		LOOP FACILITY INPUT HELP SCREEN		LCAT Rel : 1.0.4 Issued : 07/31/95	
AVERAGE NETWORK STUDY -		This mode of LCAT is used where the cost study may be broad in scope and lack sufficient detail data to use the Loop OSP cost calculators on Sheets 2, 3, and 4. Instead, it relies on table data from the FACILITY file, representing jurisdictional average value mixes or proportions. Input for these values is placed on Sheet 1.			
INDIVIDUAL CIRCUIT STUDY -		This mode of LCAT is used to cost study circuit specifics on an Individual Circuit Basis for Request For Proposals, Special Constructions, and CENTREX-like Services. Data input is usually actual per the circuit configuration's span by span requirements as detailed by Product Management. This mode will require the use of the Loop OSP calculators on Sheets 2, 3, and 4.			
DATA SAMPLE NETWORK STUDY -		This mode of LCAT functions well with the Loop OSP cost calculators on Sheets 2, 3, and 4. The data samples are inputted on the sheets cumulatively and cost calculated directly. Then the weightings formulae are applied to create an average weighted Loop cost per pair foot.			
BANDWIDTH AVERAGING -		This feature of LCAT permits study level weighting of fiber multiplexer bandwidth transport. The range of multiplexers goes from 1.5 Mbps through 1.7 Gbps and designating the mix of usage develops a more precise unit investment to the feeder calculations.			
***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES ***** ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****					
PRESS 'ENTER' TO RETURN TO THE MAIN MENU					

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C:\123R24\LCAT\078\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]	
INPUT - PLANT_CHAR. Sheet 2 of 2		HELP SCREEN		LCAT Rev 11.0.4 Issued : 07/31/95	
COST DETAILS	When the Loop Study is specified as <u>DISTANCE SENSITIVE</u>, the data required is inputted as part of STUDY SETUP input and the ROUTE TO AIR RATIO [B] on WORKSHEET F and the resultant Rate Band delimiters are copied into the RATE BANDS field on SCREEN 1 by the System. The SPAN LENGTHS data is input by the User. When the Loop Study is specified as <u>FLAT RATE</u>, then ALL the data required is input on SCREEN 1 in the COST BANDS field and/or SPAN LENGTHS field by the User.				
LOOP TOPOLOGY	When the Loop Topology (circuit layout format) for the Feeder Layer is specified as <u>STAR</u>, the Primary Feeder (C.O. to HUB) is variable and the Feeder Extension (HUB to R.T.) is held as an average length link. When the Loop Topology is specified as <u>RING</u>, the Primary Feeder is held as an average length link and the Feeder Extension is variable. This input sheet is redacted to each possibility. The SPAN LENGTHS input cells are rearranged to support the Topology specified and only request the necessary data that is required.				
CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC ***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THE DATA CATALOG NAMES ***** ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION ***** PRESS "ENTER" TO RETURN TO THE MAIN MENU					

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C:\123R24\LCATR078\SPAN		LOOP COST ANALYSIS TOOL				Bellcore (TM)	
INPUT - PLANT CHAR.		LOOP FACILITY INPUT				LCAT Rel: 1.0.4	
Sheet 2a / 5		FIBER OPTIC CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER				Issued: 07/31/95	
COMPANY: 0		INVESTMENT YEAR: 1996		STUDY YR: 1996		TEST CASE: 1	
CITY / AREA: 0		LOOP STUDY YEAR: 1996		LAST UPDATE: 10-Dec-96		TIME: 08:56	
STATE / PROV: 0		SERVICE CLASS: BAND 2 - BUSINESS LINE					
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET A			
		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
CAPACITY		CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT
(C)	idx	(D _A)	(E _A)	(D _B)	(E _B)	(D _U)	(E _U)
4 FIBER CABLE	2 pr		0.0		0.0		0.0
6 FIBER CABLE	3 pr		0.0		0.0		0.0
12 FIBER CABLE	6 pr		0.0		0.0		0.0
18 FIBER CABLE	9 pr		0.0		0.0		0.0
24 FIBER CABLE	12 pr		0.0		0.0		0.0
36 FIBER CABLE	18 pr		0.0		0.0		0.0
48 FIBER CABLE	24 pr		0.0		0.0		0.0
60 FIBER CABLE	30 pr		0.0		0.0		0.0
72 FIBER CABLE	36 pr		0.0		0.0		0.0
84 FIBER CABLE	42 pr		0.0		0.0		0.0
96 FIBER CABLE	48 pr		0.0		0.0		0.0
144 FIBER CABLE	72 pr		0.0		0.0		0.0
192 FIBER CABLE	96 pr		0.0		0.0		0.0
216 FIBER CABLE	108 pr		0.0		0.0		0.0
CUMULATIVE LENGTHS OF FEEDER:							
AERIAL FIBER SUBTOTAL			0	EFFECTIVE CABLE LENGTHS BY CABLE PAIR FOOT:			
BURIED FIBER SUBTOTAL			0	AERIAL FIBER SUBTOTAL			0.0
UNDGRD FIBER SUBTOTAL			0	BURIED FIBER SUBTOTAL			0.0
FIBER SUBTOTAL			0	UNDGRD FIBER SUBTOTAL			0.0
				FIBER SUBTOTAL			0.0

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DATE 11/11/96 BY 60322 UCBAW

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C:\123R24\LCATR078\SPAN

LOOP COST ANALYSIS TOOL

Bellcore (R)

PLANT CHAR - WORKSHEET 2B
Sheet 2b / 5LOOP FACILITY INPUT
FIBER OPTIC CABLE SPAN INVESTMENT FOR THE FEEDER LAYERLCAT Rel : 1.0.4
Issued : 07/31/95

COMPANY: CINCINNATI BELL TEL.

INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996STUDY YR : 1996
TEST CASE : 1

CITY / AREA: CINCINNATI

LAST UPDATE: 10-Dec-96

STATE: OHIO

SERVICE CLASS: BAND 2 - BUSINESS LINE

TIME: 08:56

NETWORK CIRCUIT LAYOUT STUDIES

WORKSHEET B

EFFECTIVE CHANNEL LENGTH BY CABLE PAIR FOOT [A] = [E] WKSH A / [F] WKSH C
 CUMULATIVE INVESTMENT BY CABLE CHANNEL FOOT [B] = [A] * [C] * UNIT INV FACILITY WKSH B

CAPACITY			AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
For these sizes ...	[C]	idx	[A]	[B]	[A]	[B]	[A]	[B]
4 FIBER CABLE	2 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
6 FIBER CABLE	3 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
12 FIBER CABLE	6 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
18 FIBER CABLE	9 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
24 FIBER CABLE	12 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
36 FIBER CABLE	18 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
48 FIBER CABLE	24 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
60 FIBER CABLE	30 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
72 FIBER CABLE	36 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
84 FIBER CABLE	42 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
96 FIBER CABLE	48 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
144 FIBER CABLE	72 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
192 FIBER CABLE	96 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
216 FIBER CABLE	108 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
SUBTOTAL				\$ 0.00		\$ 0.00		\$ 0.00
			TOTAL		TOTAL		TOTAL	

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C:\123R24\LCATR078\SPAN			LOOP COST ANALYSIS TOOL						Bellcore		
PLANT CHAR - WORKSHEET 38 Sheet 3b / 5			LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE FEEDER LAYER FOR						LCAT Ref: 1.0.4 Issued: 07/31/95		
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO			INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 10-Dec-96 TIME: 08:58		
NETWORK CIRCUIT LAYOUT STUDIES			SERVICE CLASS: BAND 2 - BUSINESS						WORKSHEET B		
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
		idx	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00		
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00

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C:\123R24\LCATR078\SPAN		LOOP COST ANALYSIS TOOL						Bellcore		
INPUT - PLANT_CHAR. Sheet 4a / 5		LOOP FACILITY INPUT COPPER CABLE SPAN CHARACTERISTICS FOR THE DISTRIBUTION LAYER FOR						LCAT Ref: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 10-Dec-98 TIME: 08:55		
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - BUSINESS								
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET A CUMULATIVE LENGTHS BY CABLE PAIR FOOT								
CABLE SHEATH SIZES	CAPACITY 10X	26 GA.			24 GA.			22 GA.		
		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr									
50 COPPER CABLE	25 pr									
80 COPPER CABLE	40 pr									
100 COPPER CABLE	50 pr									
140 COPPER CABLE	70 pr									
200 COPPER CABLE	100 pr									
400 COPPER CABLE	200 pr									
600 COPPER CABLE	300 pr									
800 COPPER CABLE	400 pr									
1200 COPPER CABLE	600 pr									
1800 COPPER CABLE	900 pr									
2400 COPPER CABLE	1200 pr									
3000 COPPER CABLE	1500 pr									
3600 COPPER CABLE	1800 pr									
4200 COPPER CABLE	2100 pr									
4800 COPPER CABLE	2400 pr									
5400 COPPER CABLE	2700 pr									
6000 COPPER CABLE	3000 pr									
7200 COPPER CABLE	3600 pr									
8400 COPPER CABLE	4200 pr									
SUB TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS				0.0			0.0			0.0

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PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PUCO

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C:\123R24\LCATR078\SPAN		LOOP COST ANALYSIS TOOL						Bellcore			
PLANT CHAR - WORKSHEET 4B Sheet 4b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE DISTRIBUTION LAYER FOR						LCAT Rel : 1.0.4 Issued : 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE : 1			
		SERVICE CLASS: BAND 2 - BUSINESS						LAST UPDATE: 10-Dec-96 TIME: 08:58			
NETWORK CIRCUIT LAYOUT STUDIES											
WORKSHEET B											
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
	idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00		
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00

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C:\123R24\LCATR078.SPAN										LOOP COST ANALYSIS TOOL										Bellcore^(A)	
INPUT - PLANT_CHAR Sheet 5 / 5					LOOP FACILITY INPUT DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX FOR										LOAT Rel : 1.0.4 Issued : 07/31/95						
COMPANY: CINCINNATI BELL TEL					INVESTMENT YEAR : 1996					STUDY YR : 1996											
CITY / AREA: CINCINNATI					LOOP STUDY YEAR : 1996					TEST CASE : 1											
STATE / PROV: OHIO					SERVICE CLASS : BAND 2 - BUSINESS LINE					LAST UPDATE : 10-Dec-95					TIME : 08:58						
FIBER BANDWIDTH TRANSMISSION FLOW IS :																					
X		UNIDIRECTIONAL																			
		BIDIRECTIONAL																			
										LEVEL OF SERVICE : NARBAND											
BITRATE INDEX 1 2 3 4 5 6 7																					
FIBER BANDWIDTH		45 Mbps		90 Mbps		155 Mbps		180 Mbps		0		0		0		SERVICE PROTECTION		EQUIVALENT CHANNELS			
MUX DS3 MULTIPLIER		1		2		3		4		0		0		0		LEVEL		PER FO PAR			
VOICE GRADE CHANNELS		672		1344		2016		2688		0		0		0		MULTIPLE [SLM]		n : 1 [E] PER FO PAR [F]			
FEEDER - PRIMARY		0.0000		0.1370		0.7810		0.0820		0.0000		0.0000		0.0000		2		1 1979.04			
FEEDER - EXTENSION		0.0000		0.1370		0.7810		0.0820		0.0000		0.0000		0.0000		2		1 1979.04			
NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO																					
FOOTNOTES																					
1 Where Service Level Multiple EQUALS {1 for NARBAND, 28 for WIDEband, 672 for BRDband} TIMES {2 for Unidirectional and 1 for Bidirectional}.																					
2 Where Wtd Eqv Chan per FO Pr [F] EQUALS {The Avg Wtd VGE for BR1 -> 7} DIVIDED BY {The [SLM]} TIMES {1 PLUS 1 OVER PROT [E]}																					

PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1995

TEST CASE: 1

LAST UPDATE: 10-Dec-95

TIME: 08:56

WORKSHEET DS

DIGITAL SIGNAL TABLE (digital.tbl)							
SELECT	MODE	HIERARCHY	BNDWIDT	DS1MULT	DS3MULT	VGE	MEDIA
0							
1		DS1	1.5 Mbps	1	0.04		24 BIDIR 2WCU CA
2	MODE3	DS1	1.5 Mbps	1	0.04		24 UNDIR 4WCU CA
3		VT1.5	1.5 Mbps	1	0.04		24 UNDIR FIBER
4		VT2	2 Mbps	1	0		UNDIR FIBER
5		ET	2 Mbps	1	0.08		30 BIDIR 2WCU CA
6	MODE1	DS1C	3.2 Mbps	NA			48 BIDIR 2WCU CA
7	MODE2	DS1C	3.2 Mbps	2	0.07		48 BIDIR 2WCU CA
8		VT3	3.2 Mbps	2	0.07		56 UNDIR FIBER
9			4 Mbps	2	0		60
10		DS2	6.3 Mbps	4	0.14		72 BIDIR 2WCU CA
11	MODE4	DS2	6.3 Mbps	NA	0		72 BIDIR 2WCU CA
12		VT6	6.3 Mbps	4	0.14		84 UNDIR FIBER
13		E2	8 Mbps	4	0.25		120 BIDIR 2WCU CA
14		E3	34 Mbps	16	1		480
15	X	DS3	45 Mbps	28	1		672 BIDIR 2WCU CA
16		STS1	50 Mbps	28	1		672 UNDIR FIBER
17	X		90 Mbps		2		1344 UNDIR FIBER
18			90 Mbps		2		1344 BIDIR MWV RADIO
19		DS4	135 Mbps		3		2016 UNDIR FIBER
20			135 Mbps		3		2016 BIDIR MWV RADIO
21		DS4NA	139 Mbps		3		2016 UNDIR FIBER
22		E4	140 Mbps		3		1920 UNDIR FIBER
23		14M	139 Mbps		8		4032 BIDIR COAX
24		P140	139 Mbps		8		4032 BIDIR COAX
25	X	OC3	155 Mbps		3		2016 UNDIR FIBER
26	X		180 Mbps		4		2688 UNDIR FIBER
27			417 Mbps		9		6048 UNDIR FIBER
28		OC9	466 Mbps		12		8064 UNDIR FIBER
29		OC12	560 Mbps		12		7680 UNDIR FIBER
30			565 Mbps		12		8064 UNDIR FIBER
31			1.2 Gbps		36		16128 UNDIR FIBER
32			1.7 Gbps		36		24192 UNDIR FIBER
33		OC24	1.8 Gbps		24		24192 UNDIR FIBER
34			2.5 Gbps		24		34560 UNDIR FIBER
35							
36							
0	1	2	3	4	5	6	7
OFFSET							

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PLANT CHAR. - WORKSHEET F
Sheet 1 of 1

LOOP LENGTH DEVELOPMENT WORKSHEET

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR.: 1996

TEST CASE: 1

LAST UPDATE: 10-Dec-96

TIME: 08:58

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE: OHIO

FOR
INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 2 - BUSINESS I
WORKSHEET F

[A] BAND NUMBER	[B] DISTANCE INCREMENTS: NUMBER OF BANDS: TOTAL WORKING FEET [D=input]	[C] TOTAL WORKING FEET [E=(B*D)]	[F=A*C*K] TOTAL AIR FEET	[G (see note)] LOOP LENGTH @ MIDPOINT	[H=G*R] WORKING FEET @ MIDPOINT
1		0			0
2		0			0
3		0			0
4		0			0
5		0			0

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NOTE - SPAN MIDPOINT [G] equals the SQRT((F_{CURR}²/2)+(F_{PREV}²/2))

ERROR MESSAG 0

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OHIO ONLY
3 Geographic Areas

07/26/96
Revised

		Residence			Business		
		Average F1 Length	Average F2 Length	Average Loop	Average F1 Length	Average F2 Length	Average Loop
		A	B	C	D	E	F
Band 1							
1	0-12,000	6,081	1,103	7,184	5,765	638	6,403
2	# Of Entries	107			255		
3	12,001-INFINITY	14,881	2,346	17,226	13,630	2,046	15,677
4	# Of Entries	53			38		
5	Ratio						
6	0-12,000	0.5744			0.7433		
7	12,001-INFINITY	0.4256			0.2567		
		1.0000			1.0000		
Band 2							
8	0-14,000	6,697	1,836	8,534	5,698	1,013	6,711
9	# Of Entries	69			90		
10	14,001-INFINITY	19,582	2,699	22,282	21,785	1,989	23,774
11	# Of Entries	70			74		
12	Ratio	0.4964			0.5488		
13	0-14,000	0.5036			0.4512		
14	14,001-INFINITY	1.0000			1.0000		
Band 3							
15	0-18,000	4,845	1,981	6,825	4,512	1,095	5,608
16	# Of Entries	46			41		
17	18,001-INFINITY	23,301	4,826	28,127	23,881	3,479	27,360
18	# Of Entries	56			30		
19	Ratio	0.4510			0.5175		
20	0-18,000	0.5490			0.4225		
21	18,001-INFINITY	1.0000			1.0000		

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A
B
C
D
E
F
GC:\123R24\LCATR079\RESULTS1
OUTPUT - REPORT D
SHEET 1 of 1**LOOP COST ANALYSIS TOOL**

PROSPECTIVE INVESTMENT SUMMARY REPORT

BelcoreLCAT Rel: 1.0.4
Issued: 7/31/95COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: TOTAL TECHNOLOGIES
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - BUSINESS LINE
TOTAL LOOP LENGTH: 23774 FEETSTUDY YR: 1995
TEST CASE:
RUN DATE: 27-Jan-97
TIME: 10:4Loop Span Set Weighting: ☐ 1 UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDYWEIGHTED
TOTAL
LOOP

	PLANT	PLANT NAME	PRIMARY	FEEDER	SUB-	DISTRIBUTION	NETWORK	TOTAL
	ITEM DESCRIPTION	SEG. LGTH.		EXTENSION		INTERFACE		LOC:
7	<u>SHARED RESOURCES</u>							
8	LAND	20C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.032
9	BUILDING	10C	\$ 0.97	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.970
10	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
11	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
12	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
13	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
14	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
15	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
16	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
17	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
18	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
19	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
20	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
21	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
22	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
23	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
24	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
25	MISC. COM EQP & PWR	57C	\$ 0.43	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.433
26	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
27	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
28								
29	<u>DIRECT RESOURCES</u>							
30	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
31	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
32	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.395
33	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
34	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.06	\$ 4.93	\$ 0.00	\$ 4.990
35	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.01	\$ 3.53	\$ 0.00	\$ 3.540
36	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.11	\$ 0.49	\$ 0.00	\$ 0.600
37	CO EQPT - LOW CAP TERM	257C	\$ 2.88	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.875
38	CO EQPT - LOW CAP CHAN	257C	\$ 7.80	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 7.795
39	CO EQPT - HI CAP TERM	857C	\$ 0.71	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.705
40	CO EQPT - HI CAP CHAN	857C	\$ 1.20	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.204
41	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
42	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
43	AERIAL CABLE (FIBER)	822C	\$ 0.07	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.075
44	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
45	UNDERGROUND (FO) CA.	85C	\$ 0.07	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.067
46	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
47	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.000
48	POLE LINE	1C	\$ 0.02	\$ 0.00	\$ 0.01	\$ 1.18	\$ 0.00	\$ 1.205
49	CONDUIT	4C	\$ 0.03	\$ 0.00	\$ 0.04	\$ 0.17	\$ 0.00	\$ 0.245
50								
51	SPAN SUMMARY		\$ 14.22	\$ 0.00	\$ 0.23	\$ 10.30	\$ 2.40	\$ 27.1
52								
53								
54								
55								

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CN123R24\LCATR079\RESULTS1
OUTPUT - COST_REPORTS

Belcore^(R)
LCAT
Release: 1.0.4
Issued: 7/31/95

LOOP COST ANALYSIS TOOL

COST MODEL - INVESTMENT BY ACCOUNT REPORTS

STUDY NAME: 1996 BAND 2 (OHIO-UNBUNDLED) BUSINESS LINE STUDY 14001 FEET - INFIN

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI				
BASIS	NETWORK	TEST CASE	1	LAST SAVE
FR/DS	FLAT RATE	#BANDS	0	20-Jan-97
SVC LEVEL	NARBAND	#CKTS	1	13:52
CST METH	UNINGR	INV LEVEL	ANNCOST	TIME

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your report is ready for viewing

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C:\123R24\LCATR079\RESULTS1
OUTPUT - WORKSHEET D
SHEET 1 of 10

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATI

CIRCUIT DESIGN: 1 CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - BUSINESS LINE
TOTAL LOOP LENGTH: 23774 FEET

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 10:45

Circuit Design Mix: 1.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED TOTAL LOOP

PLANT NAME	FEEDER	DISTRIBUTION NETWORK	TOTAL LOOP	WEIGHTED TOTAL LOOP		
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE		
EQPT						
PLANT CODE						
ITEM DESCRIPTION						
SHARED RESOURCES						
LAND	20C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.03	\$ 0.03
BUILDING	10C	\$ 0.82	\$ 0.00	\$ 0.00	\$ 0.82	\$ 0.82
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.35	\$ 0.00	\$ 0.00	\$ 0.35	\$ 0.35
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
DIRECT RESOURCES						
LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.40
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 1.02	\$ 0.06	\$ 4.93	\$ 6.01	\$ 6.01
BURIED CABLE (COPPER)	45C	\$ 0.10	\$ 0.01	\$ 3.53	\$ 3.64	\$ 3.64
UNDERGROUND (CU) CA.	5C	\$ 2.02	\$ 0.11	\$ 0.49	\$ 2.62	\$ 2.62
CO EQPT - LOW CAP TERM	257C	\$ 3.57	\$ 0.00	\$ 0.00	\$ 3.57	\$ 3.57
CO EQPT - LOW CAP CHAN	257C	\$ 7.80	\$ 0.00	\$ 0.00	\$ 7.80	\$ 7.80
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
POLE LINE	1C	\$ 0.24	\$ 0.00	\$ 0.00	\$ 0.24	\$ 0.24
CONDUIT	4C	\$ 0.71	\$ 0.04	\$ 0.17	\$ 0.92	\$ 0.92
SPAN SUMMARY		\$ 16.67	\$ 0.00	\$ 0.23	\$ 10.30	\$ 29.60
CIRCUIT DESIGN SUMMARY						\$ 29.60

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A B C D E F G		LOOP COST ANALYSIS TOOL				Bellicore	
01		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
02		Circuit Design Mix: 0.0000				Issued: 7/31/95	
03		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				STUDY YR: 1996	
04		PLANT NAME ----- FEEDER ----- DISTRIBUTION NETWORK				TEST CASE: 1	
05		SEG. NAME PRIMARY EXTENSION SUB- INTERFACE				DATE: 27-Jan-97	
06		EQPT				TIME: 10:45	
07		PLANT CODE				TOTAL LOOP	
08		ITEM DESCRIPTION				WEIGHTED TOTAL LOOP	
09		7 SHARED RESOURCES					
10		8 LAND 20C				\$0 \$0	
11		9 BUILDING 10C				\$0 \$0	
12		10 BLDG ENTRANCE CABLE 12C				\$0 \$0	
13		11 INTRABLDG CABLE 52C				\$0 \$0	
14		12 AERIAL CABLE (COPPER) 22C				\$0 \$0	
15		13 BURIED CABLE (COPPER) 45C				\$0 \$0	
16		14 UNDERGROUND (CU) CA. 5C				\$0 \$0	
17		15 CO EQPT - LOW CAP TERM 257C				\$0 \$0	
18		16 CO EQPT - LOW CAP CHAN 257C				\$0 \$0	
19		17 CO EQPT - HI CAP TERM 857C				\$0 \$0	
20		18 CO EQPT - HI CAP CHAN 857C				\$0 \$0	
21		19 CO EQPT - ANALOG SW 77C				\$0 \$0	
22		20 CO EQPT - DIGITAL SW 377C				\$0 \$0	
23		21 AERIAL CABLE (FIBER) 822C				\$0 \$0	
24		22 BURIED CABLE (FIBER) 845C				\$0 \$0	
25		23 UNDERGROUND (FO) CA. 85C				\$0 \$0	
26		24 CONNECTORS 57C				\$0 \$0	
27		25 MISC. COM EQP & PWR 57C				\$0 \$0	
28		26 POLE LINE 1C				\$0 \$0	
29		27 CONDUIT 4C				\$0 \$0	
30		28					
31		29 DIRECT RESOURCES					
32		30 LAND 20C				\$0 \$0	
33		31 BUILDING 10C				\$0 \$0	
34		32 BLDG ENTRANCE CABLE 12C				\$0 \$0	
35		33 INTRABLDG CABLE 52C				\$0 \$0	
36		34 AERIAL CABLE (COPPER) 22C				\$0 \$0	
37		35 BURIED CABLE (COPPER) 45C				\$0 \$0	
38		36 UNDERGROUND (CU) CA. 5C				\$0 \$0	
39		37 CO EQPT - P GAIN TERM 257C				\$0 \$0	
40		38 CO EQPT - P GAIN CHAN 257C				\$0 \$0	
41		39 CO EQPT - FO MUX TERM 857C				\$0 \$0	
42		40 CO EQPT - FO MUX CHAN 857C				\$0 \$0	
43		41 CO EQPT - ANALOG SW 77C				\$0 \$0	
44		42 CO EQPT - DIGITAL SW 377C				\$0 \$0	
45		43 AERIAL CABLE (FIBER) 822C				\$0 \$0	
46		44 BURIED CABLE (FIBER) 845C				\$0 \$0	
47		45 UNDERGROUND (FO) CA. 85C				\$0 \$0	
48		46 CONNECTORS 57C				\$0 \$0	
49		47 MISC. COM EQP & PWR 57C				\$0 \$0	
50		48 POLE LINE 1C				\$0 \$0	
51		49 CONDUIT 4C				\$0 \$0	
52		50					
53		51 SPAN SUMMARY				\$0 \$0	
54		52 CIRCUIT DESIGN SUMMARY				\$0 \$0	
55		53					

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A B C D E F G	LOOP COST ANALYSIS TOOL									
	PROSPECTIVE INVESTMENT WORKSHEET SUMMARY									
	Bellcore [®]									
	LCAT Rel: 1.0.4									
	Issued: 7/31/95									
	STUDY YR: 1996									
	TEST CASE: 1									
	RUN DATE: 27-Jan-97									
	TIME: 10:43									
	COMPANY: CINCINNATI BELL TEL									
	CITY / AREA: CINCINNATI									
	STATE / PROV: OHIO									
	JOB IDENT: CINCINNATI									
	CIRCUIT DESIGN: MELDED CDLC									
	LOOP SPAN DIVISION: ALL LOOP SPANS									
	SERVICE CLASS: BAND 2 - BUSINESS LINE									
	TOTAL LOOP LENGTH: 23774 FEET									
	Technology Type Mix: 0.0000									
	UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY									
	TECHNOLOGY WEIGHTED									
	PLANT NAME --- FEEDER --- DISTRIBUTION NETWORK									
	SEG. NAME PRIMARY EXTENSION SUB- INTERFACE TOTAL LOOP									
	EQPT CODE									
	PLANT									
	ITEM DESCRIPTION									
	<u>SHARED RESOURCES</u>									
	LAND	20C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.03	\$ 0.0000	
	BUILDING	10C	\$ 0.82	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.82	\$ 0.0000	
	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	MISC. COM EQP & PWR	57C	\$ 0.35	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.35	\$ 0.0000	
	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	<u>DIRECT RESOURCES</u>									
	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.40	\$ 2.40	\$ 0.0000	
	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	AERIAL CABLE (COPPER)	22C	\$ 1.02	\$ 0.00	\$ 0.06	\$ 4.93	\$ 0.00	\$ 6.01	\$ 0.0000	
	BURIED CABLE (COPPER)	45C	\$ 0.10	\$ 0.00	\$ 0.01	\$ 3.53	\$ 0.00	\$ 3.64	\$ 0.0000	
	UNDERGROUND (CU) CA.	5C	\$ 2.02	\$ 0.00	\$ 0.11	\$ 0.49	\$ 0.00	\$ 2.62	\$ 0.0000	
	CO EQPT - P GAIN TERM	257C	\$ 3.57	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 3.57	\$ 0.0000	
	CO EQPT - P GAIN CHAN	257C	\$ 7.80	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 7.80	\$ 0.0000	
	CO EQPT - FO MUX TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - FO MUX CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
	POLE LINE	1C	\$ 0.24	\$ 0.00	\$ 0.01	\$ 1.18	\$ 0.00	\$ 1.43	\$ 0.0000	
	CONDUIT	4C	\$ 0.71	\$ 0.00	\$ 0.04	\$ 0.00	\$ 0.00	\$ 0.92	\$ 0.0000	
	SPAN SUMMARY		\$ 16.67	\$ 0.00	\$ 0.23	\$ 10.30	\$ 2.40	\$ 29.60	\$ 0.00	
	TECHNOLOGY DESIGN SUMMARY							\$ 29.60		

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A B C D E F G		LOOP COST ANALYSIS TOOL										Bellcore	
		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Rel: 1.0.4	
		OUTPUT - WORKSHEET D										Issued: 7/31/95	
		SHEET 5 of 10										STUDY YR: 1996	
		COMPANY: CINCINNATI BELL TEL										CIRCUIT DESIGN: 2 FOMUX	
		CITY / AREA: CINCINNATI										LOOP SPAN DIVISION: ALL LOOP SPANS	
		STATE / PROV: OHIO										TEST CASE:	
		JOB IDENT: CINCINNATI										SERVICE CLASS: BAND 2 - BUSINESS LINE	
		TOTAL LOOP LENGTH: 23774 FEET										RUN DATE: 27-Jan-97	
												TIME: 10:45	
0		Circuit Design Mix: 10.0000										UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY	
1		PLANT NAME	FEEDER	DISTRIBUTION NETWORK		TOTAL	WEIGHTED						
2		SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	TOTAL		LOOP			
3		EQPT											
4		PLANT											
5		CODE											
6		ITEM DESCRIPTION											
7		<u>SHARED RESOURCES</u>											
8		LAND	20C						\$0	\$0			
9		BUILDING	10C						\$0	\$0			
10		BLDG ENTRANCE CABLE	12C						\$0	\$0			
11		INTRABLDG CABLE	52C						\$0	\$0			
12		AERIAL CABLE (COPPER)	22C						\$0	\$0			
13		BURIED CABLE (COPPER)	45C						\$0	\$0			
14		UNDERGROUND (CU) CA.	5C						\$0	\$0			
15		CO EQPT - LOW CAP TERM	257C						\$0	\$0			
16		CO EQPT - LOW CAP CHAN	257C						\$0	\$0			
17		CO EQPT - HI CAP TERM	857C						\$0	\$0			
18		CO EQPT - HI CAP CHAN	857C						\$0	\$0			
19		CO EQPT - ANALOG SW	77C						\$0	\$0			
20		CO EQPT - DIGITAL SW	377C						\$0	\$0			
21		AERIAL CABLE (FIBER)	822C						\$0	\$0			
22		BURIED CABLE (FIBER)	845C						\$0	\$0			
23		UNDERGROUND (FO) CA.	85C						\$0	\$0			
24		CONNECTORS	57C						\$0	\$0			
25		MISC. COM EQP & PWR	57C						\$0	\$0			
26		POLE LINE	1C						\$0	\$0			
27		CONDUIT	4C						\$0	\$0			
28													
29		<u>DIRECT RESOURCES</u>											
30		LAND	20C						\$0	\$0			
31		BUILDING	10C						\$0	\$0			
32		BLDG ENTRANCE CABLE	12C						\$0	\$0			
33		INTRABLDG CABLE	52C						\$0	\$0			
34		AERIAL CABLE (COPPER)	22C						\$0	\$0			
35		BURIED CABLE (COPPER)	45C						\$0	\$0			
36		UNDERGROUND (CU) CA.	5C						\$0	\$0			
37		CO EQPT - LOW CAP TERM	257C						\$0	\$0			
38		CO EQPT - LOW CAP CHAN	257C						\$0	\$0			
39		CO EQPT - HI CAP TERM	857C						\$0	\$0			
40		CO EQPT - HI CAP CHAN	857C						\$0	\$0			
41		CO EQPT - ANALOG SW	77C						\$0	\$0			
42		CO EQPT - DIGITAL SW	377C						\$0	\$0			
43		AERIAL CABLE (FIBER)	822C						\$0	\$0			
44		BURIED CABLE (FIBER)	845C						\$0	\$0			
45		UNDERGROUND (FO) CA.	85C						\$0	\$0			
46		CONNECTORS	57C						\$0	\$0			
47		MISC. COM EQP & PWR	57C						\$0	\$0			
48		POLE LINE	1C						\$0	\$0			
49		CONDUIT	4C						\$0	\$0			
50													
51		SPAN SUMMARY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
52													
53													
54													
55													

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A B C D E F G	LOOP COST ANALYSIS TOOL										Bellcore	
	PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Rel: 1.0.4	
	CA123R24LCAT079RESULTS1										Issued: 7/31/95	
	OUTPUT - WORKSHEET D										STUDY YR: 1996	
	SHEET 6 of 10										TEST CASE: 1	
	COMPANY: CINCINNATI BELL TEL										RUN DATE: 27-Jan-97	
	CITY / AREA: CINCINNATI										TIME: 10:42	
	STATE / PROV: OHIO											
	JOB IDENT: CINCINNATI											
	CIRCUIT DESIGN: 3 FOMUX											
	LOOP SPAN DIVISION: ALL LOOP SPANS											
	SERVICE CLASS: BAND 2 - BUSINESS LINE											
	TOTAL LOOP LENGTH: 23774 FEET											
0	Circuit Design Mix: 1.0000											
1	UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY										WEIGHTED	
2	PLANT NAME										TOTAL	
3	SEG. NAME										TOTAL	
4	EQPT										LOOP	
5	CODE										LOOP	
6	PLANT											
7	ITEM DESCRIPTION											
8	<u>SHARED RESOURCES</u>											
9	LAND	20C	\$ 0.03			\$ 0.00	\$ 0.00			\$ 0.03	\$ 0.03	
10	BUILDING	10C	\$ 0.97			\$ 0.00	\$ 0.00			\$ 0.97	\$ 0.97	
11	BLDG ENTRANCE CABLE	12C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
12	INTRABLDG CABLE	52C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
13	AERIAL CABLE (COPPER)	22C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
14	BURIED CABLE (COPPER)	45C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
15	UNDERGROUND (CU) CA.	5C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
16	CO EQPT - LOW CAP TERM	257C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
17	CO EQPT - LOW CAP CHAN	257C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
18	CO EQPT - HI CAP TERM	857C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
19	CO EQPT - HI CAP CHAN	857C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
20	CO EQPT - ANALOG SW	77C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
21	CO EQPT - DIGITAL SW	377C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
22	AERIAL CABLE (FIBER)	822C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
23	BURIED CABLE (FIBER)	845C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
24	UNDERGROUND (FO) CA.	85C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
25	CONNECTORS	57C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
26	MISC. COM EQP & PWR	57C	\$ 0.43			\$ 0.00	\$ 0.00			\$ 0.43	\$ 0.43	
27	POLE LINE	1C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
28	CONDUIT	4C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
29	<u>DIRECT RESOURCES</u>											
30	LAND	20C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
31	BUILDING	10C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
32	BLDG ENTRANCE CABLE	12C	\$ 0.00			\$ 0.00	\$ 0.00	\$ 2.40		\$ 2.40	\$ 2.40	
33	INTRABLDG CABLE	52C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
34	AERIAL CABLE (COPPER)	22C	\$ 0.00			\$ 0.06	\$ 4.93			\$ 4.99	\$ 4.99	
35	BURIED CABLE (COPPER)	45C	\$ 0.00			\$ 0.01	\$ 3.53			\$ 3.54	\$ 3.54	
36	UNDERGROUND (CU) CA.	5C	\$ 0.00			\$ 0.11	\$ 0.49			\$ 0.60	\$ 0.60	
37	CO EQPT - LOW CAP TERM	257C	\$ 2.88			\$ 0.00	\$ 0.00			\$ 2.88	\$ 2.88	
38	CO EQPT - LOW CAP CHAN	257C	\$ 7.80			\$ 0.00	\$ 0.00			\$ 7.80	\$ 7.80	
39	CO EQPT - HI CAP TERM	857C	\$ 0.71			\$ 0.00	\$ 0.00			\$ 0.71	\$ 0.71	
40	CO EQPT - HI CAP CHAN	857C	\$ 1.20			\$ 0.00	\$ 0.00			\$ 1.20	\$ 1.20	
41	CO EQPT - ANALOG SW	77C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
42	CO EQPT - DIGITAL SW	377C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
43	AERIAL CABLE (FIBER)	822C	\$ 0.07			\$ 0.00	\$ 0.00			\$ 0.07	\$ 0.07	
44	BURIED CABLE (FIBER)	845C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
45	UNDERGROUND (FO) CA.	85C	\$ 0.07			\$ 0.00	\$ 0.00			\$ 0.07	\$ 0.07	
46	CONNECTORS	57C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
47	MISC. COM EQP & PWR	57C	\$ 0.00			\$ 0.00	\$ 0.00			\$ 0.00	\$ 0.00	
48	POLE LINE	1C	\$ 0.02			\$ 0.00	\$ 0.00			\$ 0.02	\$ 0.02	
49	CONDUIT	4C	\$ 0.03			\$ 0.04	\$ 0.17			\$ 0.24	\$ 0.24	
50	SPAN SUMMARY											
51	\$ 14.22										\$ 27.14	
52	\$ 0.00										\$ 27.14	
53	\$ 0.23										\$ 27.14	
54	\$ 10.30										\$ 27.14	
55	\$ 2.40										\$ 27.14	

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A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [] ^ _	CA123R24\LCATR079\RESULTS1 OUTPUT - WORKSHEET D SHEET 7 of 10		LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				Bellcore[®] LCAT Rel: 1.0.4 Issued: 7/31/95	
	COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO JOB IDENT: CINCINNATI		CIRCUIT DESIGN: 4 FOMUX LOOP SPAN DIVISION: ALL LOOP SPANS SERVICE CLASS: BAND 2 - BUSINESS LINE TOTAL LOOP LENGTH: 23774 FEET				STUDY YR: 1998 TEST CASE: 1 RUN DATE: 27-Jan-97 TIME: 10:43	
0	Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				TOTAL	
1	PLANT NAME		FEEDER				WEIGHTED	
2	SEG. NAME		DISTRIBUTION NETWORK				TOTAL	
3	EQPT		INTERFACE				LOOP	
4	PLANT		TOTAL				LOOP	
5	CODE		TOTAL				LOOP	
6	ITEM DESCRIPTION		TOTAL				LOOP	
7	<u>SHARED RESOURCES</u>		TOTAL				LOOP	
8	LAND	20C					\$0	\$0
9	BUILDING	10C					\$0	\$0
10	BLDG ENTRANCE CABLE	12C					\$0	\$0
11	INTRABLDG CABLE	52C					\$0	\$0
12	AERIAL CABLE (COPPER)	22C					\$0	\$0
13	BURIED CABLE (COPPER)	45C					\$0	\$0
14	UNDERGROUND (CU) CA.	5C					\$0	\$0
15	CO EQPT - LOW CAP TERM	257C					\$0	\$0
16	CO EQPT - LOW CAP CHAN	257C					\$0	\$0
17	CO EQPT - HI CAP TERM	857C					\$0	\$0
18	CO EQPT - HI CAP CHAN	857C					\$0	\$0
19	CO EQPT - ANALOG SW	77C					\$0	\$0
20	CO EQPT - DIGITAL SW	377C					\$0	\$0
21	AERIAL CABLE (FIBER)	822C					\$0	\$0
22	BURIED CABLE (FIBER)	845C					\$0	\$0
23	UNDERGROUND (FO) CA.	85C					\$0	\$0
24	CONNECTORS	57C					\$0	\$0
25	MISC. COM EQP & PWR	57C					\$0	\$0
26	POLE LINE	1C					\$0	\$0
27	CONDUIT	4C					\$0	\$0
28								
29	<u>DIRECT RESOURCES</u>		TOTAL				LOOP	
30	LAND	20C					\$0	\$0
31	BUILDING	10C					\$0	\$0
32	BLDG ENTRANCE CABLE	12C					\$0	\$0
33	INTRABLDG CABLE	52C					\$0	\$0
34	AERIAL CABLE (COPPER)	22C					\$0	\$0
35	BURIED CABLE (COPPER)	45C					\$0	\$0
36	UNDERGROUND (CU) CA.	5C					\$0	\$0
37	CO EQPT - LOW CAP TERM	257C					\$0	\$0
38	CO EQPT - LOW CAP CHAN	257C					\$0	\$0
39	CO EQPT - HI CAP TERM	857C					\$0	\$0
40	CO EQPT - HI CAP CHAN	857C					\$0	\$0
41	CO EQPT - ANALOG SW	77C					\$0	\$0
42	CO EQPT - DIGITAL SW	377C					\$0	\$0
43	AERIAL CABLE (FIBER)	822C					\$0	\$0
44	BURIED CABLE (FIBER)	845C					\$0	\$0
45	UNDERGROUND (FO) CA.	85C					\$0	\$0
46	CONNECTORS	57C					\$0	\$0
47	MISC. COM EQP & PWR	57C					\$0	\$0
48	POLE LINE	1C					\$0	\$0
49	CONDUIT	4C					\$0	\$0
50								
51	SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0	\$0
52								
53								
54								
55								

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