

Confidential Release

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Page Count 200

Part 19

MCI Exhibits

1-48

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C:\123R24\LCATR040\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 *****

*****PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION*****

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C:\123R24\LCATR040\FACILITY.WK1		LOOP COST ANALYSIS TOOL		Bellcore [®]	
SPAN INV - WORKSHEET Sheet 3 / 3		COPPER CABLE DISTRIBUTIONS WELDING WORKSHEET B		LCAT Ver: 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: 1996 TEST CASE: 1996 DATE: 1 LAST UPDATE: 27-Nov-96 TIME: 12:48	
SERVICE CLASS: BAND 1 - PUBLIC COIN PHONE		MELDED CABLE INVESTMENT PER PAIR FOOT LINE REPEATER EQUIPMENT			
INVESTMENT DEVELOPMENT FOR:		UNIT			
DESCRIPTION	REPEATER SPACING	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	
ADJUSTED PAIR / FOOT INVESTMENT	PAIR / FOOT INVESTMENT	BY CODE BY GAUGE	REPEATER BY GAUGE	WORKING CHANNEL INVESTMENT / FOOT	WORKING CHANNEL INVESTMENT / FOOT
DESCRIPTION	2" (FF) (gg)	[D]	[RPTR ggG] [E=C]	(ADLC) (ggG) [F=FE]	(ARL) (ggG) [G=GE]
AERIAL @ 26 GA.	\$ 0.024200	\$ 0.000000	\$ 0.000000	\$ 0.024200	\$ 0.024200
BURIED @ 26 GA.	\$ 0.033200	\$ 0.000000	\$ 0.000000	\$ 0.033200	\$ 0.033200
UNDGRND @ 26 GA.	\$ 0.021800	\$ 0.000000	\$ 0.000000	\$ 0.021800	\$ 0.021800
AERIAL @ 24 GA.	\$ 0.024200	\$ 0.000000	\$ 0.000000	\$ 0.024200	\$ 0.024200
BURIED @ 24 GA.	\$ 0.033200	\$ 0.000000	\$ 0.000000	\$ 0.033200	\$ 0.033200
UNDGRND @ 24 GA.	\$ 0.021800	\$ 0.000000	\$ 0.000000	\$ 0.021800	\$ 0.021800
AERIAL @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000
BURIED @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000
UNDGRND @ 22 GA.	\$ 0.000000	\$ 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\LCATR040\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore (R)																							
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 - PUBLIC COIN PHONE		LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 27-Nov-96 TIME: 12:48																							
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																										
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="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: Per Unit Installation.....	<table border="1" style="width: 100%;"> <tr> <td></td> <td>Adjust Cable Pair Foot Invest: DW Investment ? (Y/N)</td> <td>N</td> </tr> <tr><td>Aerial Wire Drops</td><td></td><td>\$ 0.00</td></tr> <tr><td>Buried Wire Drops</td><td></td><td>\$ 0.00</td></tr> <tr><td>Bldg Entrance Cable</td><td></td><td>\$ 75.60</td></tr> <tr><td>Aerial Coax/Wire Drops</td><td></td><td>\$ 0.00</td></tr> </table>			Adjust Cable Pair Foot Invest: DW Investment ? (Y/N)	N	Aerial Wire Drops		\$ 0.00	Buried Wire Drops		\$ 0.00	Bldg Entrance Cable		\$ 75.60	Aerial Coax/Wire Drops		\$ 0.00
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: DW Investment ? (Y/N)	N																									
Aerial Wire Drops		\$ 0.00																									
Buried Wire Drops		\$ 0.00																									
Bldg Entrance Cable		\$ 75.60																									
Aerial Coax/Wire Drops		\$ 0.00																									
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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\\LCATRD40\FACILITY
SPAN_INV
'4

HELP SCREEN

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

terma 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.

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

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C:\123R24\LCATR040\FACTORS		LOOP COST ANALYSIS TOOL		Bellcore	
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: 17-Jan-97	
COMPANY: CINCINNATI BELL TEL.		SERVICE CLASS: BAND 1 - PUBLIC COIN PHONE		TIME: 15:22	
CITY / AREA: CINCINNATI					
STATE / PROV: OHIO					

plant list	PRICE INDEX	ANNUAL COST
LAND	1.0000	0.2322
BUILDING	1.0000	0.2937
BLDG ENTRANCE CABLE	1.0000	0.3922
INTRABLDG CABLE	1.0000	0.3922
AERIAL CABLE (COPPER)	1.0000	0.4033
BURIED CABLE (COPPER)	1.0000	0.3467
UNDERGROUND (CU) CA.	1.0000	0.3663
CO EQPT - LOW CAP TERM	1.0000	0.3881
CO EQPT - LOW CAP CHAN	1.0000	0.3881
CO EQPT - HI CAP TERM	1.0000	0.3881
CO EQPT - HI CAP CHAN	1.0000	0.3881
CO EQPT - ANALOG SW	1.0000	0.3458
CO EQPT - DIGITAL SW	1.0000	0.3458
AERIAL CABLE (FIBER)	1.0000	0.2983
BURIED CABLE (FIBER)	1.0000	0.2724
UNDERGROUND (FO) CA.	1.0000	0.2689
CONNECTORS	1.0000	0.3881
MISC. COM EQP & PWR	1.0000	0.3881
POLE LINE	1.0000	0.3807
CONDUIT	1.0000	0.2521

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C:\123R24\LCATR040\INVEST		LOOP COST ANALYSIS TOOL			Bellcore (R)	
TABLE - EQUIP_INV		DATA REFERENCE TABLE			LCAT Rel: 1.0.4	
Sheet 1 of 1		EQUIPMENT & OTHER INVESTMENTS			Issued: 07/31/95	
COMPANY: CINCINNATI BELL TEL		FOR			STUDY YR: 1996	
CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1996			TEST CASE: 1	
STATE / PROV: OHIO		SERVICE LEVEL: NARBAND			LAST UPDATE: 27-Nov-96	
		SERVICE CLASS: BAND 1 - PUBLIC COIN PHONE			12:55	
EQUIPMENT INVESTMENT (Including Engineer, Furnish, & Install Costs)						
			CENTRAL OFFICE		REMOTE LOCATION	
			LINE	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	\$ 181.35	\$ 24.29	\$ 238.42
For an Integrated DLC Equipment Arrangement			\$ 0.00	\$ 0.00	\$ 0.00	\$ 103.93
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL :						
1. For a Hub with nonFiber Extensions or nonHub Arrangement			\$ 36.99		\$ 2.40	\$ 36.99
2. For a Hub with Fiber Extensions or a Fiber Ended Arrangement			\$ 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

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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 *****PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION*****

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C:\123R24\LCATR040\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 -- PUBLIC COIN PI		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 27-Nov-96 TIME: 12:50
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	PC Hut		1.0000
		Comm. Svc. Bldg.		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.

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C:\123R24\LCATR040\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 1 -- PUBLIC COIN PHONE		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 27-Nov-95 TIME: 12:50						
SEGMENT DISTRIBUTION: FEEDER		DROP WIRE (DW) INVESTMENT ADJUSTMENT: The Cable PFI is being Adjusted for DW? NO								
POLE LOADINGS: use <u>DEFAULT</u>		Aerial Cable Buried Cable Underground Cable								
<table border="1" style="width: 100%;"> <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> </table>		Copper Cable Pole Investment Factor	0.2530	0.2530	Copper Cable Pole Unit Investment			use <u>DEFAULT</u> for: CINT. OFC. REMOTE SITE		
Copper Cable Pole Investment Factor	0.2530	0.2530								
Copper Cable Pole Unit Investment										
<table border="1" style="width: 100%;"> <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>		Fiber Cable Pole Investment Factor	0.1965	0.1965	Fiber Cable Pole Unit Investment			LAND LOADING FACTORS:		
Fiber Cable Pole Investment Factor	0.1965	0.1965								
Fiber Cable Pole Unit Investment										
CONDUIT LOADINGS:		Other or <u>ALL</u> ① 0.0056 0.0056 Digital Loop Carrier 0.0056 0.0056 Fiber Optic Mux 0.0056 0.0056								
<table border="1" style="width: 100%;"> <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> </table>		Copper Cable Conduit Investment Factor	0.5165	0.5165	Copper Cable Conduit Unit Investment			BUILDING LOADING FACTORS:		
Copper Cable Conduit Investment Factor	0.5165	0.5165								
Copper Cable Conduit Unit Investment										
<table border="1" style="width: 100%;"> <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>		Fiber Cable Conduit Investment Factor	0.5232	0.5232	Fiber Cable Conduit Unit Investment			Other or <u>ALL</u> ① 0.1316 0.1316 Digital Loop Carrier 0.1316 0.1316 Fiber Optic Mux 0.1316 0.1316		
Fiber Cable Conduit Investment Factor	0.5232	0.5232								
Fiber Cable Conduit Unit Investment										
		MISC. EQUIPMENT & POWER LOADING FACTORS:								
		Other or <u>ALL</u> 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 (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	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.
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- ② THE VALUES IN THIS TABLE REPRESENT DETAIL FACTORS (CATEGORY 2 VALUES).
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C:\123R24\LCATR040\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]
INPUT - PLANT_CHAR. Sheet 1 / 5		LOOP FACILITY INPUT		LCAT Rel: 1.0.4
		LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS		Issued: 07/31/85
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 - PUBUC COIN PHONE		LAST UPDATE: 27-Nov-86
				TIME: 12:52
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 N/A		
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 15677.0		
②	Average Distance From the Serving Area Interface to the Service Access Point	DISTRIBUTION 2046.0		
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 13331.0		
⑤	Average Distance From the Fiber Hub to the Remote Terminal	PRIMARY-EXTENSION		
LOOP LENGTH AT EACH COST BAND		DISTRIBUTION OF COST BANDS IN THE NETWORK		
BAND 1		BAND 1		
BAND 2		BAND 2		
BAND 3		BAND 3		
BAND 4		BAND 4		
BAND 5		BAND 5		
LAST 15677.0		LAST 1.0000		

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C:\123R24\LCATR040\SPAN		LOOP COST ANALYSIS TOOL		Bellcore (R)	
INPUT - PLANT_CHAR. Sheet 1 / 1		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS FOR		LCAT Ref: 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 - PUBLIC COIN PHONE		LAST UPDATE: 27-Nov-96	
				TIME: 12:52	
<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 ④					
2046 FEET 300.0 FEET 13337 FEET					
ON SUB-PRIMARY EXTENSION PRIMARY ⑤ ⑥ ⑦ ⑧					
FIBER DISTRIBUTION REMOTE TERMINAL END-OFFICE (LOOP MULTIPLEX INTERFACE) REMOTE NODE (LOOP TRANSFER)					
NETWORK INTERFACE SERVICE ACCESS POINT SERVING AREA INTERFACE REMOTE TERMINAL (LOOP MULTIPLEX INTERFACE) REMOTE NODE (LOOP TRANSFER) END-OFFICE					

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C:\123R24\LCATR040\SPAN		LOOP COST ANALYSIS TOOL	Belcore [®]
INPUT - PLANT_CHAR. Sheet 1 of 2	LOOP FACILITY INPUT <u>HELP SCREEN</u>	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 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\LCATR040\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]	
INPUT - PLANT_CHAR. Sheet 2 of 2		HELP SCREEN		LCAT Rel: T.O.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 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 *****					
PRESS 'ENTER' TO RETURN TO THE MAIN MENU					

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INPUT - PLANT CHAR. Sheet 2a / 5		LOOP FACILITY INPUT FIBER OPTIC CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER				LCAT Rel: 1.0.4 Issued: 07/31/95		
COMPANY: 00 CITY / AREA: 00 STATE / PROV: 00		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - PUBLIC COIN PHONE				STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 27-Nov-96 TIME: 12:52		
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET A						
	CAPACITY [C]	idx	AERIAL FIBER CUMULATIVE FEEDER LENGTH [D _A]	EFFECTIVE LENGTH BY PAIR FOOT [E _A]	BURIED FIBER CUMULATIVE FEEDER LENGTH [D _B]	EFFECTIVE LENGTH BY PAIR FOOT [E _B]	UNDERGROUND FIBER CUMULATIVE FEEDER LENGTH [D _U]	EFFECTIVE LENGTH BY PAIR FOOT [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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C:\123R24\LCATR040\SPAN		LOOP COST ANALYSIS TOOL				Bellcore (P)			
PLANT CHAR - WORKSHEET 2B Sheet 2b : 5		LCOP FACILITY INPUT FIBER OPTIC CABLE SPAN INVESTMENT FOR THE FEEDER LAYER 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: OHIO		SERVICE CLASS: BAND 1 - PUBLIC COIN PHONE				LAST UPDATE: 27-Nov-96			
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET B				TIME : 12:52			
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	

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C:\123R24\LCATR040\SPAN		LOOP COST ANALYSIS TOOL						Bellcore		
INPUT - PLANT_CHAR. Sheet 3a / 5		COPPER CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER						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 - PUBLIC CI						STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 27-Nov-95 TIME: 12:52		
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET A CUMULATIVE LENGTHS BY CABLE PAIR FOOT								
CABLE SHEATH SIZES	CAPACITY idx	25 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

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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: 27-Nov-96 TIME: 12:52				
SERVICE CLASS: BAND 1 - PUBLIC CI			WORKSHEET B										
NETWORK CIRCUIT LAYOUT STUDIES			CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT										
CABLE SHEATH SIZES	CAPACITY idx		26 GA.			24 GA.			22 GA.				
			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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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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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						
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 1 - PUBLIC CI			STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 27-Nov-96 TIME: 12:52						
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	0.0
TOTALS				0.0			0.0			0.0	0.0
											dstacprf
											0.0
											dstbcprf
											0.0
											dstucprf
											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 : 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO			INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 27-Nov-96 TIME: 12:52			
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	\$ 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	dstacti
5400 COPPER CABLE	2700 pr	\$	0.00	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	dstbcti
7200 COPPER CABLE	3600 pr	\$	0.00	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	dstbcti
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

INPUT - PLANT_CHAR.

Sheet 5 / 5

LOOP FACILITY INPUT

DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX

FOR

INVESTMENT YEAR : 1996

LOOP STUDY YEAR : 1996

SERVICE CLASS : BAND 1 - PUBLIC COIN PHONE

LCAT Rel : 1.0.4

Issued : 07/31/95

STUDY YR : 1996

TEST CASE : 1

LAST UPDATE : 27-Nov-96

TIME : 12:32

COMPANY: CINCINNATI BELL TEL

CITY / AREA: CINCINNATI

STATE/PROV:OHIO

FIBER BANDWIDTH

TRANSMISSION FLOW IS : ☒ UNIDIRECTIONAL

☐ BIDIRECTIONAL

LEVEL OF SERVICE :

BITRATE INDEX

FIBER BANDWIDTH

MUX DS3 MULTIPLIER

VOICE GRADE CHANNELS

1

2

3

4

5

6

45 Mbps

90 Mbps

155 Mbps

180 Mbps

0

0

1

2

3

4

0

0

672

1344

2016

2688

0

0

FEEDER - PRIMARY

0.0000

0.1370

0.7810

0.0820

0.0000

0.0000

0.0000

0.0000

1

1979.04

FEEDER - EXTENSION

0.0000

0.1370

0.7810

0.0820

0.0000

0.0000

0.0000

2

1

1979.04

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WEIGHTED

EQUIVALENT

CHANNELS

PER FO PR

[F]

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]}

0

PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIOLCAT Rel: 1.0.4
Issued: 07/31/95STUDY YR: 1996
TEST CASE: 1
LAST UPDATE: 27-Nov-95
TIME: 12:52

WORKSHEET DS

DIGITAL SIGNAL TABLE (diagnostic)								
SELECT	MODE	HIERARCHY	BNDWD	DS1MULT	DS3MULT	VGE	MEDIA	
0		DS1	1.5 Mbps	1	0.04	24	BIDIR, 2WCU CA	
1	MODE3	DS1	1.5 Mbps	1	0.04	24	UNDIR, FIBER	
2		V11	1.5 Mbps	1	0.04	24	UNDIR, FIBER	
3		V12	2 Mbps	1	0	30	BIDIR, 2WCU CA	
4		E1	2 Mbps	1	0.06	48	BIDIR, 2WCU CA	
5	MODE1	DS1C	3.2 Mbps	NA		48	BIDIR, 2WCU CA	
6	MODE2	DS1C	3.2 Mbps	2	0.07	48	BIDIR, 2WCU CA	
7		V13	3.2 Mbps	2	0.07	56	UNDIR, FIBER	
8			4 Mbps	2	0	60		
9		DS2	6.3 Mbps	4	0.14	72	BIDIR, 2WCU CA	
10	MODE4	DS2	6.3 Mbps	NA		72	BIDIR, 2WCU CA	
11		V16	6.3 Mbps	4	0.14	84	UNDIR, FIBER	
12		E2	8 Mbps	4	0.25	120	BIDIR, 2WCU CA	
13			16 Mbps	16	1	480		
14		E3	34 Mbps	16	1	672	BIDIR, 2WCU CA	
15	X	DS3	45 Mbps	28	1	672	UNDIR, FIBER	
16		STS1	OC1	50 Mbps	28	1	1344	UNDIR, FIBER
17	X		90 Mbps		2	1344	BIDIR, MW RADIO	
18			90 Mbps		2	2016	UNDIR, FIBER	
19		DS4	135 Mbps		3	2016	BIDIR, MW RADIO	
20			135 Mbps		3	2016	UNDIR, FIBER	
21		DS4NA	139 Mbps		3	1920	UNDIR, FIBER	
22		E4	140 Mbps		3	4032	BIDIR, COAX	
23		14M	139 Mbps		6	4032	UNDIR, FIBER	
24		P140	139 Mbps		6	2016	UNDIR, FIBER	
25	X		OC3	155 Mbps	3	2016	UNDIR, FIBER	
26	X			180 Mbps	4	3048	UNDIR, FIBER	
27				417 Mbps	9	6048	UNDIR, FIBER	
28		OC9	468 Mbps		9	7680	UNDIR, FIBER	
29		OC12	560 Mbps		12	8064	UNDIR, FIBER	
30			565 Mbps		12	16128	UNDIR, FIBER	
31			1.2 Gbps		24	24192	UNDIR, FIBER	
32			1.7 Gbps		36	34560	UNDIR, FIBER	
33		OC24	1.8 Gbps		24	34560	UNDIR, FIBER	
34			2.5 Gbps		24			
35								
36								
OFFSET								
0	1	2	3	4	5	6	7	

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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: OHIO

INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 1 - PUBLIC CO
WORKSHEET F

STUDY YR.: 1996
TEST CASE: 1
LAST UPDATE: 27-Nov-96
TIME: 12:52

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

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NOTICE MUST BE GIVEN
PRIOR TO RELEASE TO PUBLIC
GOED TO PUCO

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

ERROR MESSAG 0

This Page Contains Competitively Sensitive and/or Trade Secret Information of Bell Communications Research, Inc.

LOOP COST ANALYSIS TOOL										Bellcore (R)																																																																																																																																																																																																																																																																								
C:\123R24\LCATR040\SPAN PLANT CHAR. - WORKSHEET SA Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO										LCAT Ver: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 27-Nov-96 TIME: 12:52																																																																																																																																																																																																																																																																								
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<table border="1" style="width: 100%; border-collapse: collapse; font-family: monospace; font-size: 0.8em;"> <thead> <tr> <th colspan="10">SUB FEEDER ALLOCATION TABLE</th> <th>SECT/OUT ALLOC</th> </tr> <tr> <th>cur_lplgth</th> <th>dlcdepl</th> <th>distspa</th> <th>nom_range</th> <th>cur</th> <th>dist</th> <th>subfeed</th> <th>prfeeder</th> <th>subfeed</th> <th>prfeeder</th> <th>diff</th> </tr> </thead> <tbody> <tr> <td>12000</td> <td>2046</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>15677</td> </tr> <tr> <td>2000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>15177</td> </tr> <tr> <td>3000</td> <td>954</td> <td>954</td> <td>0</td> <td>954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>14677</td> </tr> <tr> <td>4000</td> <td>1954</td> <td>1954</td> <td>0</td> <td>1954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>13677</td> </tr> <tr> <td>5000</td> <td>2954</td> <td>2954</td> <td>0</td> <td>2954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>12677</td> </tr> <tr> <td>6000</td> <td>3954</td> <td>3954</td> <td>0</td> <td>3954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>11677</td> </tr> <tr> <td>7000</td> <td>4954</td> <td>4954</td> <td>0</td> <td>4954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>10677</td> </tr> <tr> <td>8000</td> <td>5954</td> <td>5954</td> <td>0</td> <td>5954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>9677</td> </tr> <tr> <td>9000</td> <td>6954</td> <td>6954</td> <td>0</td> <td>6954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>8677</td> </tr> <tr> <td>10000</td> <td>7954</td> <td>7954</td> <td>0</td> <td>7954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>7677</td> </tr> <tr> <td>11000</td> <td>8954</td> <td>8954</td> <td>0</td> <td>8954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>6677</td> </tr> <tr> <td>12000</td> <td>9954</td> <td>4977</td> <td>4977</td> <td>0</td> <td>9954</td> <td>6000</td> <td>6000</td> <td>12000</td> <td>0</td> <td>5677</td> </tr> <tr> <td>13000</td> <td>10954</td> <td>5477</td> <td>5477</td> <td>0</td> <td>10954</td> <td>6500</td> <td>6500</td> <td>13000</td> <td>0</td> <td>4677</td> </tr> <tr> <td>14000</td> <td>11954</td> <td>5977</td> <td>5977</td> <td>0</td> <td>11954</td> <td>7000</td> <td>7000</td> <td>14000</td> <td>0</td> <td>3677</td> </tr> <tr> <td>15000</td> <td>12954</td> <td>6477</td> <td>6477</td> <td>0</td> <td>12954</td> <td>7500</td> <td>7500</td> <td>15000</td> <td>0</td> <td>2677</td> </tr> <tr> <td>16000</td> <td>13954</td> <td>6977</td> <td>6977</td> <td>0</td> <td>13954</td> <td>8000</td> <td>8000</td> <td>16000</td> <td>0</td> <td>1677</td> </tr> <tr> <td>17000</td> <td>14954</td> <td>7477</td> <td>7477</td> <td>1000</td> <td>13954</td> <td>8500</td> <td>8500</td> <td>17000</td> <td>0</td> <td>677</td> </tr> <tr> <td>18000</td> <td>15954</td> <td>7977</td> <td>7977</td> <td>2000</td> <td>13954</td> <td>9000</td> <td>9000</td> <td>18000</td> <td>0</td> <td>-2323</td> </tr> <tr> <td>19000</td> <td>16954</td> <td>8477</td> <td>8477</td> <td>3000</td> <td>13954</td> <td>9500</td> <td>9500</td> <td>19000</td> <td>0</td> <td>-3323</td> </tr> <tr> <td>20000</td> <td>17954</td> <td>8977</td> <td>8977</td> <td>4000</td> <td>13954</td> <td>10000</td> <td>10000</td> <td>20000</td> <td>0</td> <td>-4323</td> </tr> <tr> <td>80000</td> <td>77954</td> <td>9954</td> <td>68000</td> <td>5000</td> <td>72954</td> <td>9954</td> <td>70046</td> <td>80000</td> <td>0</td> <td>-84323</td> </tr> </tbody> </table>											SUB FEEDER ALLOCATION TABLE										SECT/OUT ALLOC	cur_lplgth	dlcdepl	distspa	nom_range	cur	dist	subfeed	prfeeder	subfeed	prfeeder	diff	12000	2046										1000	0	0	0	0	0	0	0	0	0	15677	2000	0	0	0	0	0	0	0	0	0	15177	3000	954	954	0	954	0	0	0	0	0	14677	4000	1954	1954	0	1954	0	0	0	0	0	13677	5000	2954	2954	0	2954	0	0	0	0	0	12677	6000	3954	3954	0	3954	0	0	0	0	0	11677	7000	4954	4954	0	4954	0	0	0	0	0	10677	8000	5954	5954	0	5954	0	0	0	0	0	9677	9000	6954	6954	0	6954	0	0	0	0	0	8677	10000	7954	7954	0	7954	0	0	0	0	0	7677	11000	8954	8954	0	8954	0	0	0	0	0	6677	12000	9954	4977	4977	0	9954	6000	6000	12000	0	5677	13000	10954	5477	5477	0	10954	6500	6500	13000	0	4677	14000	11954	5977	5977	0	11954	7000	7000	14000	0	3677	15000	12954	6477	6477	0	12954	7500	7500	15000	0	2677	16000	13954	6977	6977	0	13954	8000	8000	16000	0	1677	17000	14954	7477	7477	1000	13954	8500	8500	17000	0	677	18000	15954	7977	7977	2000	13954	9000	9000	18000	0	-2323	19000	16954	8477	8477	3000	13954	9500	9500	19000	0	-3323	20000	17954	8977	8977	4000	13954	10000	10000	20000	0	-4323	80000	77954	9954	68000	5000	72954	9954	70046	80000	0	-84323
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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 ^{CR} Equals CUR_LPLGTH - NOM_RANGE difference > DISTSPAN and < DLCDEPL, then CUR_SEGLGTH ^{PR} Equals CUR_LPLGTH - NOM_RANGE difference = > DLCDEPL, then CUR_SEGLGTH ^{PR} 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			27,785		
19,582	2,699	22,282	17,989		23,774
70			10,488		
			0.4513		
0.4964			1.0000		
0.5036					
1.0000					

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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		

OHIO ONLY
REVISED JAN 1997 VERSION
BAND 2
PUBLIC COIN

MCI Depo.
Ex. No. 33
DH 11-26-97

INDEX

BAND 2

Public Coin

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
GCM123R24\LCATR041\RESULTS1
OUTPUT - REPORT D
SHEET 1 of 1**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT SUMMARY REPORTBellcore[®]LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:15COMPANY: 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 - PUBLIC COIN P1
TOTAL LOOP LENGTH: 6711 FEETLoop Span Set Weighting: ☐ 1 UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDYWEIGHTED
TOTAL
LOOP

	PLANT NAME SEG. NAME EQPT CODE PLANT ITEM DESCRIPTION SEG. LGTH.	FEEDER					DISTRIBUTION NETWORK INTERFACE	
		PRIMARY	EXTENSION	SUB-				
7	SHARED RESOURCES							
8	LAND 20C	\$ 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		\$ 0.0000
10	BLDG ENTRANCE CABLE 12C	\$ 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		\$ 0.0000
12	AERIAL CABLE (COPPER) 22C	\$ 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		\$ 0.0000
14	UNDERGROUND (CU) CA. 5C	\$ 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		\$ 0.0000
16	CO EQPT - LOW CAP CHAN 257C	\$ 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		\$ 0.0000
18	CO EQPT - HI CAP CHAN 857C	\$ 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		\$ 0.0000
20	CO EQPT - DIGITAL SW 377C	\$ 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		\$ 0.0000
22	BURIED CABLE (FIBER) 845C	\$ 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		\$ 0.0000
24	CONNECTORS 57C	\$ 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		\$ 0.0000
26	POLE LINE 1C	\$ 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		\$ 0.0000
28								
29	DIRECT RESOURCES							
30	LAND 20C	\$ 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		\$ 0.0000
32	BLDG ENTRANCE CABLE 12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.45		\$ 2.4513
33	INTRABLDG CABLE 52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.0000
34	AERIAL CABLE (COPPER) 22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.41	\$ 2.57		\$ 3.6700
35	BURIED CABLE (COPPER) 45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.41	\$ 1.41		\$ 1.9500
36	UNDERGROUND (CU) CA. 5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.20	\$ 0.26		\$ 2.4600
37	CO EQPT - LOW CAP TERM 257C	\$ 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		\$ 0.0000
39	CO EQPT - HI CAP TERM 857C	\$ 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		\$ 0.0000
41	CO EQPT - ANALOG SW 77C	\$ 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		\$ 0.0000
43	AERIAL CABLE (FIBER) 822C	\$ 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		\$ 0.0000
45	UNDERGROUND (FO) CA. 85C	\$ 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		\$ 0.0000
47	MISC. COM EQP & PWR 57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.0000
48	POLE LINE 1C	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.61	\$ 0.00		\$ 0.8700
49	CONDUIT 4C	\$ 0.00	\$ 0.00	\$ 0.78	\$ 0.09	\$ 0.00		\$ 0.8700
50								
51	SPAN SUMMARY	\$ 0.00	\$ 0.00	\$ 4.45	\$ 5.37	\$ 2.45		\$ 12.27
52								\$ 12.27
53								
54								
55								

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C:\123R24\LCATR041\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 ONLY) PUBLIC COIN PHONE 0 - 14000 FEET INTRASTATE

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	LAST SAVE
FR/DS	FLAT RATE	#BANDS	01 07-01-97
SVC LEVEL	NARBAND	#CONFIDENTIAL	009-211C
CST METH	UN INCR	INV LEVEL	ANNO COST TIME

NOTICE
PRIOR TO RELEASE
PROVIDED TO PUBLIC
your report is restricted for viewing

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

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A B C D E F G	C:\123R24\LCATR041\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 - PUBLIC COIN PI TOTAL LOOP LENGTH: 6711 FEET LCAT Rel: 1.0.4 Issued: 7/31/95 STUDY YR: 1996 TEST CASE: 1 RUN DATE: 28-Jan-97 TIME: 12:15									
	Circuit Design Mix: 1.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY									
		PLANT NAME	FEEDER	SUB-	DISTRIBUTION	NETWORK	TOTAL	WEIGHTED		
		SEG. NAME	PRIMARY	EXTENSION		INTERFACE	LOOP	TOTAL		
		EQPT						LOOP		
		CODE								
	PLANT									
	ITEM DESCRIPTION									
	SHARED 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		\$ 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	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00		
	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	\$ 2.45	\$ 2.45	\$ 2.45		
	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00		
	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 1.10	\$ 2.57		\$ 3.67	\$ 3.67		
	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.11	\$ 1.84		\$ 1.95	\$ 1.95		
	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 2.20	\$ 0.26		\$ 2.46	\$ 2.46		
	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	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.00	\$ 0.00		
	POLE LINE	1C	\$ 0.00	\$ 0.26	\$ 0.61		\$ 0.87	\$ 0.87		
	CONDUIT	4C	\$ 0.00	\$ 0.78	\$ 0.09		\$ 0.87	\$ 0.87		
	SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 4.45	\$ 5.37	\$ 2.45	\$ 12.27	\$ 12.27	
	CIRCUIT DESIGN SUMMARY							\$ 12.27		

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A
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C
D
E
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G

C:\123R24\LCATR041\RESULTS1
OUTPUT - WORKSHEET D
SHEET 2 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
DATE: 28-Jan-97
TIME: 12:15

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 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 6711 FEET

Circuit Design Mix: 0.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

	PLANT NAME	SEG. NAME	EQPT	CODE	PRIMARY	EXTENSION	SUB-	DISTRIBUTION NETWORK	INTERFACE	TOTAL LOOP	WEIGHTED TOTAL LOOP
1	PLANT										
2	ITEM DESCRIPTION										
3	SHARED RESOURCES										
4	LAND			20C						\$0	\$0
5	BUILDING			10C						\$0	\$0
6	BLDG ENTRANCE CABLE			12C						\$0	\$0
7	INTRABLDG CABLE			52C						\$0	\$0
8	AERIAL CABLE (COPPER)			22C						\$0	\$0
9	BURIED CABLE (COPPER)			45C						\$0	\$0
10	UNDERGROUND (CU) CA.			5C						\$0	\$0
11	CO EQPT - LOW CAP TERM			257C						\$0	\$0
12	CO EQPT - LOW CAP CHAN			257C						\$0	\$0
13	CO EQPT - HI CAP TERM			857C						\$0	\$0
14	CO EQPT - HI CAP CHAN			857C						\$0	\$0
15	CO EQPT - ANALOG SW			77C						\$0	\$0
16	CO EQPT - DIGITAL SW			377C						\$0	\$0
17	AERIAL CABLE (FIBER)			822C						\$0	\$0
18	BURIED CABLE (FIBER)			845C						\$0	\$0
19	UNDERGROUND (FO) CA.			85C						\$0	\$0
20	CONNECTORS			57C						\$0	\$0
21	MISC. COM EQP & PWR			57C						\$0	\$0
22	POLE LINE			1C						\$0	\$0
23	CONDUIT			4C						\$0	\$0
24											
25	DIRECT RESOURCES										
26	LAND			20C						\$0	\$0
27	BUILDING			10C						\$0	\$0
28	BLDG ENTRANCE CABLE			12C						\$0	\$0
29	INTRABLDG CABLE			52C						\$0	\$0
30	AERIAL CABLE (COPPER)			22C						\$0	\$0
31	BURIED CABLE (COPPER)			45C						\$0	\$0
32	UNDERGROUND (CU) CA.			5C						\$0	\$0
33	CO EQPT - P GAIN TERM			257C						\$0	\$0
34	CO EQPT - P GAIN CHAN			257C						\$0	\$0
35	CO EQPT - FO MUX TERM			857C						\$0	\$0
36	CO EQPT - FO MUX CHAN			857C						\$0	\$0
37	CO EQPT - ANALOG SW			77C						\$0	\$0
38	CO EQPT - DIGITAL SW			377C						\$0	\$0
39	AERIAL CABLE (FIBER)			822C						\$0	\$0
40	BURIED CABLE (FIBER)			845C						\$0	\$0
41	UNDERGROUND (FO) CA.			85C						\$0	\$0
42	CONNECTORS			57C						\$0	\$0
43	MISC. COM EQP & PWR			57C						\$0	\$0
44	POLE LINE			1C						\$0	\$0
45	CONDUIT			4C						\$0	\$0
46											
47	SPAN SUMMARY										
48										\$0	\$0
49	CIRCUIT DESIGN SUMMARY										
50										\$0	\$0

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C:\123R24\LCATR041\RESULTS1		LOOP COST ANALYSIS TOOL					Bellicore [®]	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY					LCAT Rel: 1.0.4	
SHEET 3 of 10							Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: MELED					CDLC	STUDY YR: 1996
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP					SPANS	TEST CASE: 1
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI						RUN DATE: 28-Jan-97
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 6711 FEET						TIME: 12:15
Technology Type Mix: 0.0000		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TECHNOLOGY	
PLANT NAME		FEEDER			DISTRIBUTION NETWORK		TOTAL	WEIGHTED
SEG. NAME		PRIMARY	EXTENSION	SUB-	INTERFACE		LOOP	TOTAL
EQPT								LOOP
CODE								
PLANT								
ITEM DESCRIPTION								
SHARED RESOURCES								
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	\$ 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	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 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
DIRECT RESOURCES								
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	\$ 2.45	\$ 2.45	\$ 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	\$ 1.10	\$ 2.57	\$ 0.00	\$ 3.67	\$ 0.0000
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.11	\$ 1.84	\$ 0.00	\$ 1.95	\$ 0.0000
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 2.20	\$ 0.26	\$ 0.00	\$ 2.46	\$ 0.0000
CO EQPT - P GAIN TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
CO EQPT - P GAIN CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 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	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.61	\$ 0.00	\$ 0.87	\$ 0.0000
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.87	\$ 0.0000
SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 4.45	\$ 5.37	\$ 2.45	\$ 12.27	\$ 0.00
TECHNOLOGY DESIGN SUMMARY								\$ 12.27

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C:\123R24\LCATR041\RESULTS1		LOOP COST ANALYSIS TOOL				Bellcore (R)	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 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 - PUBLIC COIN PI		RUN DATE: 28-Jan-97			
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 6711 FEET		TIME: 12:15			
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 LOOP
PLANT	CODE						
ITEM DESCRIPTION							
<u>SHARED RESOURCES</u>							
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
<u>DIRECT RESOURCES</u>							
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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C:\123R24\LCATR041\RESULTS1		LOOP COST ANALYSIS TOOL				Bellcore ^(R)	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
SHEET 5 of 10						Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 2 FOMUX		STUDY YR: 1996			
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		TEST CASE: 1			
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI		RUN DATE: 28-Jan-97			
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 6711 FEET		TIME: 12:15			
Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				WEIGHTED	
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL	
SEG. NAME		PRIMARY		EXTENSION		SUB-	
EQPT		INTERFACE		TOTAL		WEIGHTED	
CODE		LOOP		TOTAL		TOTAL	
PLANT							
ITEM DESCRIPTION							
SHARED RESOURCES							
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	
DIRECT RESOURCES							
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	

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C:\123R24\LCATR041\RESULTS1		LOOP COST ANALYSIS TOOL				Bellcore [®]		
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4		
SHEET 6 of 10						Issued: 7/31/95		
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN:		3 FOMUX		STUDY YR: 1996		
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP		SPANS		TEST CASE: 1		
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI				RUN DATE: 28-Jan-97		
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH:		6711 FEET		TIME: 12:15		
Circuit Design Mix: 1.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED	
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL		TOTAL
SEG. NAME		PRIMARY		EXTENSION		SUB-		LOOP
EQPT								LOOP
PLANT								
CODE								
ITEM DESCRIPTION								
SHARED 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		\$ 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		\$ 0.00		\$ 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		\$ 2.45
INTRABLDG CABLE		52C		\$ 0.00		\$ 0.00		\$ 0.00
AERIAL CABLE (COPPER)		22C		\$ 0.00		\$ 1.10		\$ 2.57
BURIED CABLE (COPPER)		45C		\$ 0.00		\$ 0.11		\$ 1.84
UNDERGROUND (CU) CA.		5C		\$ 0.00		\$ 2.20		\$ 0.26
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		\$ 0.00		\$ 0.00		\$ 0.00
POLE LINE		1C		\$ 0.00		\$ 0.26		\$ 0.61
CONDUIT		4C		\$ 0.00		\$ 0.78		\$ 0.09
SPAN SUMMARY				\$ 0.00		\$ 0.00		\$ 4.45
						\$ 5.37		\$ 2.45
						\$ 12.27		\$ 12.27
								\$ 12.27

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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		LOOP COST ANALYSIS TOOL										Bellcore®	
CA123R24\LCATR041\RESULTS1		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Rel: 1.0.4	
OUTPUT - WORKSHEET D												Issued: 7/31/95	
SHEET 7 of 10												STUDY YR: 1996	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 4 FOMUX										TEST CASE: 1	
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS										RUN DATE: 28-Jan-97	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI										TIME: 12:15	
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 6711 FEET											
Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY										WEIGHTED	
PLANT NAME		FEEDER		DISTRIBUTION		NETWORK		TOTAL		TOTAL			
SEG. NAME		PRIMARY		EXTENSION		SUB-		INTERFACE		LOOP			
EQPT										LOOP			
PLANT		CODE											
ITEM DESCRIPTION													
SHARED RESOURCES													
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			
DIRECT RESOURCES													
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			
										\$0			

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C:\123R24\LCATR041\RESULTS1		LOOP COST ANALYSIS TOOL				Bellcore [®]	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
SHEET 8 of 10						Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN:		5 FOMUX		STUDY YR: 1996	
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP		SPANS		TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI				RUN DATE: 28-Jan-97	
JOB IDENT.: CINCINNATI		TOTAL LOOP LENGTH: 6711 FEET				TIME: 12:15	
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							
SHARED RESOURCES							
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
DIRECT RESOURCES							
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
51	SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0
52						\$0	\$0
53						\$0	\$0
54						\$0	\$0
55						\$0	\$0

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A
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GCA123R24\LCATR041\RESULTS1
OUTPUT - WORKSHEET D
SHEET 10 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore (R)

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:15COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: MELDED FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 2 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 6711 FEET

Technology Type Mix: 1.0000		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY						TECHNOLOGY
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL		WEIGHTED
PLANT	SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	LOOP	TOTAL
ITEM DESCRIPTION	EQPT CODE							LOOP
SHARED RESOURCES								
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	\$ 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	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 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
DIRECT RESOURCES								
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	\$ 2.45	\$ 2.45	\$ 2.4513
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	\$ 1.10	\$ 2.57	\$ 0.00	\$ 3.67	\$ 3.6700
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.11	\$ 1.84	\$ 0.00	\$ 1.95	\$ 1.9500
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 2.20	\$ 0.26	\$ 0.00	\$ 2.46	\$ 2.4600
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	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.8700
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.78	\$ 0.00	\$ 0.00	\$ 0.78	\$ 0.8700
SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 4.45	\$ 5.37	\$ 0.00	\$ 12.27	\$ 12.27
							\$ 12.27	

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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

28-Jan-97

Issued: 8/31/95

11:44

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) PUBLIC COIN PHONE 0 - 14000 FEET IF

CURRENT TEST PLAN :

CURRENT JOB IDENT: CINCINNATI

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

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.....your run is finished

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G:\TRD\DC

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 - PUBLIC COIN PHONE									
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: 28-Jan-97 TIME: 12:10									
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*factr]	DROP WIRE ADJUSTMENT PER PAIR [F=E*factr]	(NOTE 4) WEIGHTED DROP WIRE INVESTMENT
1013.0	AERIAL	0.620000	628.1	0.042600	26.76		0.00	0.00	
CONSIDERS: MEDED COPPER CABLE	BURIED	0.330000	334.3	0.066800	22.33		0.00	0.00	
	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:									
AERIAL CA. =		0.0000	AIR DRYER LOADINGS						
BURIED CA. =		0.0000	AERIAL CA. =						
UNDERGRND =		0.0000	BURIED CA. =						
			UNDERGRND =						
OTHER INVESTMENT									
POLE LINE FACTOR (PLF) =		0.0000	inv / unit lqth: inv rta		0.2530				
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =		\$ 19.34							
UG CONDUIT FACTOR (UCF) =		0.0000	inv / unit lqth: inv rta		0.5165				
CONDUIT INVESTMENT (UTIL UNDGRND INVST x UCF) =		\$ 4.34							
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															
C:\123R24\LGATCALCDIST		ACCOUNT INVESTMENT WORKSHEET								Belcore (P)					
DIST_PLNT - WORKSHEET A		SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL								LCAT Release : 1.0.4					
Sheet 2 of 3		FACILITY TYPE : COPPER CABLE								Issue Date : 8/31/95					
		CIRCUIT SEGMENT : DISTRIBUTION PLANT (NON-DLC,NON-COLLCC)								STUDY YR: 1996					
COMPANY: CINCINNATI BELL TEL.										TEST CASE:					
CITY / AREA: CINCINNATI										RUN DATE: 28-Jan-97					
STATE / PROV: OHIO										TIME: 12:10					
		SERVICE CLASS : BAND 2 - PUBLIC COIN PHONE													
		1996 UNIT INVESTMENT BY ACCOUNT				1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION				ADMIN. UTIL. LINE FILL		1996 UNIT LOOP INVESTMENT INCL. UTILIZATION			
	PLANT ACCT	CAT. FIXED	RESOURCE	COST	CIRCUIT QUANTITY	SHARED RESOURCES	DIRECT RESOURCES			SHARED RESOURCES	DIRECT RESOURCES				
PLANT ITEM	CODE	VARI	ALLOCATION	EQUATION	[F]	[G]	[H=F*G]	[I=H*J]	[J]	[K=H/J]	[L=I*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				1.0000			\$ 19			
CONDUIT	4C	F	DIRECT	4.34	1				1.0000			\$ 4			
CONFIDENTIAL															
NOTICE MUST BE GIVEN															
PRIOR TO RELEASE TO PUBLIC															
PROVIDED TO PUCO \$0															
\$172															
\$172															
disparity															

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.

C:\123R24\LCAT\CALC\DIST		LOOP COST ANALYSIS TOOL								Bellcore®	
DIST. PLANT - 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 YR: 1996	
CITY / AREA: CINCINNATI		CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC NON-COLLOC)								TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE								RUN DATE: 28-Jan-97	
		TIME: 12:10									
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]		
8 LAND	20C	1.0000			0.2322						
9 BUILDING	10C	1.0000			0.2937						
10 BLDG ENTRANCE CABLE	12C	1.0000			0.3922						
11 INTRABLDG CABLE	52C	1.0000			0.3922						
12 AERIAL CABLE (COPPER)	22C	1.0000		\$ 76	0.4033		\$ 30.83		\$ 2.57		
13 BURIED CABLE (COPPER)	45C	1.0000		\$ 64	0.3467		\$ 22.12		\$ 1.84		
14 UNDERGROUND (CU) CA.	5C	1.0000		\$ 8	0.3663		\$ 3.07		\$ 0.26		
15 CO EQPT - P GAIN TERM	257C	1.0000			0.3881						
16 CO EQPT - P GAIN CHAN	257C	1.0000			0.3881						
17 CO EQPT - FO MUX TERM	857C	1.0000			0.3881						
18 CO EQPT - FO MUX CHAN	857C	1.0000			0.3881						
19 CO EQPT - ANALOG SW	77C	1.0000			0.0000						
20 CO EQPT - DIGITAL SW	377C	1.0000			0.3458						
21 AERIAL CABLE (FIBER)	822C	1.0000			0.2983						
22 BURIED CABLE (FIBER)	845C	1.0000			0.2724						
23 UNDERGROUND (FO) CA.	85C	1.0000			0.2689						
24 CONNECTORS	57C	1.0000			0.3881						
25 MISC. COM EQP & PWR	57C	1.0000			0.3881						
26 POLE LINE	1C	1.0000		\$ 19	0.3807				\$ 0.61		
27 CONDUIT	4C	1.0000		\$ 4	0.3807				\$ 0.09		
TOTALS			\$ 0	\$ 172		\$ 0.00	\$ 64.48	\$ 0.00	\$ 5.37		
				\$ 172			\$ 64.48		\$ 5.37		
				distinv			distann		distmrc		

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PROVIDED TO PUCO

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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DIST_PLNT - WORKSHEET B
Sheet 1 of 3

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET

Belcore®
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:10

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

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) = $\frac{\text{Span length}}{\text{from invest.}}$ = $\frac{0.0000}{0.2530}$

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

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LOOP COST ANALYSIS TOOL										Belcore ^(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: 28-Jan-97	
CIRCUIT SEGMENT: SERVICE ACCESS										TIME: 12:10	
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE											
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE VARI	ALLOCATION	1996 UNIT INVESTMENT 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					1.0000			
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	\$ 75
										btmiviv	

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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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DIST_PLNT - WORKSHEET B
Sheet 3 of 3

LOOP COST ANALYSIS TOOL
PROSPECTIVE AND ANNUAL COSTS WORKSHEET

Release: 1.0.4
LCAT
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:10

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

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			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3922		\$ 29.42		\$ 2.45
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000			0.4033				
BURIED CABLE (COPPER)	45C	1.0000			0.3467				
UNDERGROUND (CU) CA.	5C	1.0000			0.3663				
CO EQPT - P GAIN TERM	257C	1.0000			0.3881				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3881				
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.2689				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000			0.3807				
CONDUIT	4C	1.0000			0.2521				
TOTALS			\$ 0	\$ 75		\$ 9.09	\$ 29.42	\$ 0.00	\$ 2.45

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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DIST_PLNT - WORKSHEET B
Sheet 1 of 3

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

Belcore[®]
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 25-Jan-97
TIME: 12:11

TYPE OF PLANT ITEM	UNIT PLANT INVEST. [A]	PROB. OF OCCURRENCE [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) = 0.0000
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) = \$ 0.00

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

FOOTNOTES

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LOOP COST ANALYSIS TOOL										Bellcore TM	
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: 28-Jan-97	
CIRCUIT SEGMENT: SERVICE ACCESS										TIME: 12:11	
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE											
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE VARI	1996 UNIT INVESTMENT BY ACCOUNT 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				0.0000				
MISC. COM EQP & PWR	57C	V	SHARED				1.0000				
POLE LINE	1C	F	DIRECT	0.00							
CONDUIT	4C	F	DIRECT								
CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUC										\$ 75	\$ 75
										\$ 75	\$ 75
										\$ 75	\$ 75
										\$ 75	\$ 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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DIST_PLNT - WORKSHEET B
Sheet 3 of 3

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

LOOP COST ANALYSIS TOOL
PROSPECTIVE AND ANNUAL COSTS WORKSHEET

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

Bellcore (R)
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:11

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			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3922		\$ 29.42		\$ 2.45
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000			0.4033				
BURIED CABLE (COPPER)	45C	1.0000			0.3467				
UNDERGROUND (CU) CA.	5C	1.0000			0.3663				
CO EQPT - P GAIN TERM	257C	1.0000			0.3881				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3881				
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.2689				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000			0.3607				
CONDUIT	4C	1.0000			0.2521				
TOTALS			\$ 0	\$ 75		\$ 0.00	\$ 29.42	\$ 0.00	\$ 2.45

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 - REPORT 14A
Sheet 1 of 3

LOOP COST ANALYSIS TOOL
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: ~~DISTRIBUTION PLANT / NON-DIG. NON-COLLOC~~
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:11

logic-14a 1996 UNIT MONTHLY RECURRING COST BY ACCOUNT

PLANT ITEM	PLANT ACCT	BAND MIX AVG. LGTH.	1996 UNIT MONTHLY RECURRING COST BY ACCOUNT	(See Note) TOTAL AVG. WEIGHTED INVESTMENT
			1013.0	1013
SHARED 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 - 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			\$0.00
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	\$ 2.57		\$2.57
BURIED CABLE (COPPER)	45C	\$ 1.84		\$1.84
UNDERGROUND (CU) CA.	5C	\$ 0.26		\$0.26
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			\$0.00
POLE LINE	1C	\$ 0.61		\$0.61
CONDUIT	4C	\$ 0.09		\$0.09
SPAN SUMMARY			\$ 5.37	\$0.00
AVG. WTD. SPAN SUMMARY			\$ 5.37	\$0.00
NOTE: $[SUM(INV_{ACCT} \cdot BAND \cdot MIX \cdot LGTH)]$				\$5.37

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CA123R24\LCATCALCDIST
DIST PLNT - REPORT 148
Sheet 1 of 1

LOOP COST ANALYSIS TOOL
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

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

CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:11

1996 UNIT MONTHLY RECURRING COST BY ACCOUNT

PLANT ITEM	PLANT ACCT CODE	BAND MIX AVG. LGTH.	ALL
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	2.45	
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			82

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RUN - SUB PRI

Bellcore^(R)

LCAT

Release: 1.0.4

Issued: 7/31/95

LAST UPDATE

28-Jan-97

11:45

LOOP COST ANALYSIS TOOL

FEEDER SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) PUBLIC COIN PHONE-14000 FEET IN

CURRENT TEST PLAN : CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS GIVEN	0
SVC LEVEL	NARROW	#CKTS TO PUBLIC	1
CST METH	UN INCR	LEVEL	ANN COST

PRIOR TO RUN
PROVIDED TO PUBLIC

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

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SUB_PRI - WORKSHEET

Sheet 1 of 3

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

LOOP COST ANALYSIS TOOL

BASIC INVESTMENT WORKSHEET

CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS

FACILITY TYPE: COPPER CABLE

CIRCUIT SEGMENT: WELDED GAUGE/S/ SUB-PRIMARY

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

Bellcore (R)

LCAT Release: 1.0.4

Issue Date: 7/31/95

STUDY YR: 1996

TEST CASE: 1

RUN DATE: 28-Jan-97

TIME: 12:11

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 MLD CABLE DESIGN INVEST. PER PAIR FOOT		CABLE COMPONENTS				WEIGHTED DROP WIRE ADJUSTMENT PER PAIR [UI*DTC]
		[B]			[D]		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]	
[A]											
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

inv / unit lgh: inv rtn fcfr:

0.000000 0.253000

POLE LINE FACTOR =

\$ 8.29

POLE LINE INVESTMENT =

(UTIL AERIAL INVEST x PL)

UG CONDUIT FACTOR =

0.000000 0.516500

CONDUIT INVESTMENT =

\$ 37.23

(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

BLDG 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 * 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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SUB PRI - WORKSHEET
Sheet 2 of 3

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

Bellcore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:11

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

PLANT ITEM	PLANT ACCT CODE	FIXED VARI CAT.	RESOURCE ALLOCATION	1996 UNIT INVESTMENT BY ACCOUNT	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	
				COST EQUATION		SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F'*G]		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					1.0000		
MISC. COM EQP & PWR	57C	V	SHARED	0.00			\$ 8	1.0000		\$ 8
POLE LINE	1C	F	DIRECT	8.29	1		\$ 8	1.0000		\$ 8
CONDUIT	4C	F	DIRECT	37.23	1		\$ 0	1.0000		\$ 37
TOTALS									\$ 0	\$ 154

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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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SUB PRI - WORKSHEET
Sheet 1 of 3

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

LOOP COST ANALYSIS TOOL
PROSPECTIVE AND ANNUAL COSTS WORKSHEET
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: MELDED GAUGE/5/SCS-PRIMARY

SERVICE CLASS: BANO 2 - PUBLIC COIN PHONE

Bellcore®
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:11

PLANT ITEM	PLANT ACCT CODE	1996 TO 1998 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			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000			0.3922				
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 33	0.4033		\$ 13.22		\$ 1.10
BURIED CABLE (COPPER)	45C	1.0000		\$ 4	0.3467		\$ 1.35		\$ 0.11
UNDERGROUND (CU) CA.	5C	1.0000		\$ 72	0.3663		\$ 26.40		\$ 2.20
CO EQPT - LOW CAP TERM	257C	1.0000			0.3881				
CO EQPT - LOW CAP CHAN	257C	1.0000			0.3881				
CO EQPT - HI CAP TERM	857C	1.0000			0.3881				
CO EQPT - HI CAP CHAN	857C	1.0000			0.3881				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.2669				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000		\$ 8	0.3807				
CONDUIT	4C	1.0000		\$ 37	0.2521				
SUBTOTALS			\$ 0	\$ 154					
TOTALS				\$ 154					

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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.

C:\123R24\LCAT\CALC\CUTECH		LOOP COST ANALYSIS TOOL		Bellcore [®]		
SUB_PFI - 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 2 - PUBLIC COIN PHONE		TEST CASE: 1		
				RUN DATE: 28-Jan-97		
				TIME: 12:11		
		1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)
		ogic-14a				TOTAL
		BAND 0				AVG. WEIGHTED
		ACCT AVG 1.0000				
		CODE LGTH 6711				
		SEG LGTH 5698				5698
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
2	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
77						
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	\$ 1.10			\$ 1.10
34	BURIED CABLE (COPPER)	45C	\$ 0.11			\$ 0.11
35	UNDERGROUND (CU) CA.	5C	\$ 2.20			\$ 2.20
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
4	UNDERGROUND (FO) CA.	85C				\$ 0.00
5	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	\$ 0.78		\$ 0.78
49						
50	SPAN SUMMARY		\$ 4.45	\$ 0.00	\$ 0.00	\$ 4.45
51						
52	AVG. WTD. SPAN SUMMARY		\$ 4.45	\$ 0.00	\$ 0.00	\$ 0.00
53						
54	NOTE: [sum(INV _{ACCT} ^{BAND} * MIX ^{BAND})]					
55						

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RUN - CDLC PLANT

LAST UPDATE

28-Jan-97

11:46

LOOP COST ANALYSIS TOOL

Belcore^(TM)

LCAT

Release: 1.0.4

Issued: 8/31/95

FEEDER SEGMENT COST MODEL - COPPER DLC TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) PUBLIC COIN PHONE 14000 FEET INTRASTATE

CURRENT TEST PLAN : CURRENT JOB IDENT: CINCINNATI

BASIS	NETWORK	TEST CASE
FR / DS	FLAT RATE TO	# BANDS
SVC LEVEL	NABAND	# WORKS
CST METH	UNINCH	INV LEVEL

ANN COST

PROVIDED

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

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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 CRR										TEST CASE: 1																																																																					
CIRCUIT DESIGN: C										DATE: 28-Jan-97																																																																					
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE										TIME: 12:12 PM																																																																					
COMPANY: CINCINNATI BELL TEL CITY / AREA: OHIO STATE / PROV: CINCINNATI 6711 cur length 5698 cur str-length f = 0.125 pgrfactor																																																																															
<table border="1"> <thead> <tr> <th colspan="5">CABLE COMPONENTS (NOTE 5)</th> <th colspan="2">(NOTE 4)</th> <th colspan="2">(NOTE 3)</th> </tr> <tr> <th>CABLE INVESTMENT</th> <th>WEIGHTED INVESTMENT</th> <th>AIR DRYER INVESTMENT</th> <th>DROP WIRE INVESTMENT</th> <th>WEIGHTED INVESTMENT</th> <th>DROP WIRE INVESTMENT</th> <th>DROP WIRE INVESTMENT</th> <th>DROP WIRE INVESTMENT</th> </tr> <tr> <th>PER CHAN</th> <th>PER CHAN</th> <th>PER PAIR</th> <th>PER PAIR</th> <th>PER PAIR</th> <th>PER PAIR</th> <th>PER PAIR</th> <th>PER PAIR</th> </tr> <tr> <th>[E=C*D]</th> <th>[U*DTC]</th> <th>[E*ctr]</th> <th>[E*ctr]</th> <th>[E*ctr]</th> <th>[E*ctr]</th> <th>[U*DTC]</th> <th>[U*DTC]</th> </tr> </thead> </table>												CABLE COMPONENTS (NOTE 5)					(NOTE 4)		(NOTE 3)		CABLE INVESTMENT	WEIGHTED INVESTMENT	AIR DRYER INVESTMENT	DROP WIRE INVESTMENT	WEIGHTED INVESTMENT	DROP WIRE INVESTMENT	DROP WIRE INVESTMENT	DROP WIRE INVESTMENT	PER CHAN	PER CHAN	PER PAIR	PER PAIR	PER PAIR	PER PAIR	PER PAIR	PER PAIR	[E=C*D]	[U*DTC]	[E*ctr]	[E*ctr]	[E*ctr]	[E*ctr]	[U*DTC]	[U*DTC]																																			
CABLE COMPONENTS (NOTE 5)					(NOTE 4)		(NOTE 3)																																																																								
CABLE INVESTMENT	WEIGHTED INVESTMENT	AIR DRYER INVESTMENT	DROP WIRE INVESTMENT	WEIGHTED INVESTMENT	DROP WIRE INVESTMENT	DROP WIRE INVESTMENT	DROP WIRE INVESTMENT																																																																								
PER CHAN	PER CHAN	PER PAIR	PER PAIR	PER PAIR	PER PAIR	PER PAIR	PER PAIR																																																																								
[E=C*D]	[U*DTC]	[E*ctr]	[E*ctr]	[E*ctr]	[E*ctr]	[U*DTC]	[U*DTC]																																																																								
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C:\123R24\LCATCALC\CUPRGN		LOOP COST ANALYSIS TOOL										Bellcore	
COLC PLANT - WORKSHEET 1		ACCOUNT INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
Sheet 2 of 3		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	
COMPANY: CINCINNATI BELL TEL		FACILITY TYPE: COPPER DIG LOOP CRR										TEST CASE: 1	
CITY / AREA: OHIO		CIRCUIT DESIGN: T1C										DATE: 26-Jan-97	
STATE: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE										TIME: 12:12 PM	
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	3.41	0			1.0000					
BUILDING	10C	F	SHARED	80.37	0			1.0000					
BLOG 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	166.80	0			0.7000					
CO EQPT - P GAIN CHAN	257C	V	DIRECT	419.77	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	23.18	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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PROVIDED TO PUBLIC

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FEEDITY

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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C:\123R24\LCAT\CALC\CUPRGN CDLC PLANT - WORKSHEET 1 Sheet 3 of 3 COMPANY: CINCINNATI BELL TEL CITY / AREA : OHIO STATE / PROV : CINCINNATI	LOOP COST ANALYSIS TOOL 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 DIS LOOP CXR CIRCUIT DESIGN : T C SERVICE CLASS : BAND 2 - PUBLIC COIN PHONE	Bellcore LCAT Release : 1.0.4 Issue Date : 8/31/95 STUDY YR : 1996 TEST CASE : 1 DATE : 28-Jan-97 TIME : 12:12 PM
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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	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES	SHARED RESOURCES	DIRECT RESOURCES
			[M=K*L]	[M'=K'*L]		[P=M*N]	[P'=M'*N]	[R=P/12]	[R'=P'/12]
LAND	20C	1.0000			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000			0.3922				
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000			0.4033				
BURIED CABLE (COPPER)	45C	1.0000			0.3467				
UNDERGROUND (CU) CA.	5C	1.0000			0.3663				
CO EQPT - P GAIN TERM	257C	1.0000			0.3881				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3881				
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ESS - ANALOG	77C	1.0000			0.0000				
CO EQPT - ESS - DIGITAL	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.2689				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000			0.3807				
CONDUIT	4C	1.0000			0.2521				

TOTALS

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 PRIOR TO RELEASE TO PUBLIC
 PROVIDED TO PUCO

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FEED1ANN

FEED1MRC

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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A
B
C
D
E
F
G
HC:\123R24\LCAT\CALC\CUPRGN
CDLC PLANT - REPORT 14.1
Sheet 1 of 3LOOP COST ANALYSIS TOOL
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore (R)

LCAT Release: 1.0.4

Issue Date: 8/31/95

1995

STUDY YR: 1

TEST CASE: 1

DATE: 28-Jan-97

TIME: 12:13 PM

COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIOFACILITY SEGMENT: PRIMARY FEEDER SEGMENT
CIRCUIT DESIGN: 1 COPPER DIG LOOP CWR
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

1995 UNIT MONTHLY RECURRING COST BY ACCOUNT

(SEE NOTE)

TOTAL
AVG. WEIGHTED
INVESTMENT

PLANT ITEM	BAND	MIX	ACCT	AVG	CODE	LGTH	SEGLGTH	
	logrc-14a	0	1.0000		6711	0		
SHARED 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 - 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							\$ 0.00
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 - 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							\$ 0.00
POLE LINE	1C							\$ 0.00
CONDUIT	4C							\$ 0.00
SPAN SUMMARY		0.00	0.00					0.00
AVG. WTD. SPAN SUMMARY		0.00	0.00					0.00
NOTE: [sum(INV _{ACCT} * MIX _{MANU})]								

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C:\123R24\LCAT\CALC\FOPRGN

Bellcore (R)

RUN - FO MUX

LAST UPDATE:

28-Jan-97

11:48

LOOP COST ANALYSIS TOOL

LCAT

Release: 1.0.4

Issued: 7/31/95

FEEDER SEGMENT COST MODEL - FIBER IN THE LOOP TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) PUBLIC COMM PHONE 0 - 14000 FEET INTRA

CURRENT TEST PLAN :

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CURRENT JOB IDENT.	CINCINNATI			
BASIS	NETWORK	TEST CASE	BLIC	1
FRONTIER	PLAT RATE	#BANDS		0
SVC LEVEL	NAR BAND	#CKTS		1
BST METH	UN INCR	INV LEVEL	ANN COST	

PROVIDED

....your run is finished

PHONE

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

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Printed 28-Jan-97 RESTRICTED - NOT FOR USE / DISCLOSURE OUTSIDE CINCINNATI BELL TEL RATES PLAN

LOOP COST ANALYSIS TOOL										Bellcore [®]	
ACCOUNT INVESTMENT WORKSHEET										LCAT Rel: 1.0.4	
FOR PRIMARY FEEDER PLANT										ISSUE DATE: 7/31/96	
FACILITY TYPE: FIBER IN THE LOOP										STUDY YR: 1996	
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 2 - PUBLISERVICE LEVEL: NARBAND										LAST RUN: 28-Jan-97	
										TIME: 12:14	
1996 UNIT INVESTMENTS BY ACCOUNT											
PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	COST EQUATION	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION		
						SHARED RESOURCES	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES	
						[H=F*G]	[H'=F*G]	[J]	[K=H/J]	[K'=H'/J]	
LAND	20C	F	SHARED	3.91	0			1.0000			
BUILDING	10C	F	SHARED	91.78	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	128.22	0			0.7000			
CO EQPT - LOW CAP CHAN	257C	V	DIRECT	419.77	0			0.7000			
CO EQPT - HI CAP TERM	857C	F	DIRECT	47.82	0			1.0000			
CO EQPT - HI CAP CHAN	857C	F	DIRECT	73.98	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	27.61	0			1.0000			
POLE LINE	1C	F	DIRECT	0.00	0			1.0000			
CONDUIT	4C	F	DIRECT	0.00	0			1.0000			
TOTALS											
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	
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: 1996	
CIRCUIT DESIGN: 3) FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 2 - PUE SERVICE LEVEL: NARBAND										LAST RUN: 25-Jan-97	
										TIME: 12:14	
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	
[PREVIOUS SHEET SUMMARY			[L]	[M=K*L]	[M'=K'*L]	[N]	[P=M*N]	[P'=M'*N]	[Q=P/12]	[Q'=P'/12]	
9	LAND	20C	1.0000			0.2322					
10	BUILDING	10C	1.0000			0.2937					
11	BLDG ENTRANCE CABLE	12C	1.0000			0.3922					
12	INTRABLDG CABLE	52C	1.0000			0.3922					
13	AERIAL CABLE (COPPER)	22C	1.0000			0.4033					
14	BURIED CABLE (COPPER)	45C	1.0000			0.3467					
15	UNDERGROUND (CU) CA.	5C	1.0000			0.3663					
16	CO EQPT - LOW CAP TERM	257C	1.0000			0.3681					
17	CO EQPT - LOW CAP CHAN	257C	1.0000			0.3681					
18	CO EQPT - HI CAP TERM	857C	1.0000			0.3681					
19	CO EQPT - HI CAP CHAN	857C	1.0000			0.3681					
20	CO EQPT - ANALOG SW	77C	1.0000			0.0000					
21	CO EQPT - DIGITAL SW	377C	1.0000			0.3458					
22	AERIAL CABLE (FIBER)	822C	1.0000			0.2983					
23	BURIED CABLE (FIBER)	845C	1.0000			0.2724					
24	UNDERGROUND (FO) CA.	85C	1.0000			0.2689					
25	CONNECTORS	57C	1.0000			0.3681					
26	MISC. COM EQP & PWR	57C	1.0000			0.3681					
27	POLE LINE	1C	1.0000			0.3607					
28	CONDUIT	4C	1.0000			0.2521					
TOTALS				\$ 0			\$ 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.											
HOWEVER, THIS COLUMN IS PRESENTED FOR CONSISTENCY OF FORMAT ONLY.											

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C:\123R24\LCATR041\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: 1996
TEST CASE: 1
LAST UPDATE: 29-Oct-96
TIME: 13:44

PLANT ITEM	LCAT CODE	WHEN BANDWIDTH DELIVERY IS					
		NARROWBAND		WIDEBAND		BROADBAND	
		PLANT CODE	SENS. INDEX	RESOURCE ASSIGNMENT	SENS. INDEX	RESOURCE ASSIGNMENT	SENS. INDEX
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 LINES (NON-MULTIPEXED) FEEDER & DISTRIBUTION
 BY DEFINITION: ITEMS LABELED F(fixed) OR SHARED ARE EXCLUDED IN A MARGINAL COST STUDY
 ITEMS LABELED V(variable) ARE EXCLUDED FROM ADDITIONAL INCREMENTAL STUDIES
 ALL ITEMS ARE INCLUDED IN A PROSPECTIVE, REPLACEMENT OR NEW INSTALLATION.

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C:\123R24\LCATR041\COSTMETH
TABLE - COST_METH
Sheet 1 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 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: 1996
TEST CASE: 1
LAST UPDATE: 29-Oct-96
TIME: 13:44

PLANT ITEM	WHEN BANDWIDTH DELIVERY IS					
	NARROWBAND		WIDEBAND		BROADBAND	
	CATEGORY	INDEX	CATEGORY	INDEX	CATEGORY	INDEX
PLANT CODE	SENS. INDEX	RESOURCE ASSIGNMENT	SENS. INDEX	RESOURCE ASSIGNMENT	SENS. INDEX	RESOURCE 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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HELP SCREEN

Bellcore^(R)

TABLE - COST_METH

LCAT Rel : 1.0.4

Sheet 2 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 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\LCATR041\DESIGN

INPUT - LOOP_DESIGN

Sheet 1 / 1

LOOP COST ANALYSIS TOOL

CIRCUIT DESIGN REQUIREMENTS CHARACTERISTICS

FOR

INVESTMENT YEAR: 1996

LOOP STUDY YEAR: 1996

SERVICE CLASS:BAND 2 - PUBLIC COIN PHON

LCAT Rel :1.0.4

Issued :07/31/95

STUDY YR : 1996

TEST CASE : 1

LAST UPDATE: 29-Oct-96

TIME : 13:45

COMPANY :CINCINNATI BELL TEL

CITY / AREA :CINCINNATI

STATE / PROV :OHIO

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

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

Weighting of Design #5

Weighting of Design #6

FOR SERVICE ACCESS NETWORK

(REMOTE TERMINAL TO CUSTOMER LINK)

FACILITY INTERFACE SITES :

Proportion of Remote terminals

colocated at Customer Premises

FOR COPPER DESIGN:

Weighting of Design #1

Weighting of Design #2

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ChkSum

ChkSum

'NA' DENOTES THAT THE CIRCUIT DESIGN

PROBABLY DOES NOT APPLY TO THIS

SET OF STUDY PARAMETERS.

C:\123R24\LCATR041\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 well as FIBER, therefore, the *DESIGN* choices are limited for RING to *DESIGN* 1 and 5. All other *DESIGN*s are to be avoided.

**SERVICE
SPECIFIC**

To avoid circuit layout conflict with certain service levels, the *DESIGN* choices will be limited for BROADBAND service levels to those which currently support DS3 Xcon to 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\LCATR041\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore (R)	
INPUT - STUDY SETUP		GENERAL STUDY REQUIREMENTS		TODAY IS : 28-Jan-97	
LCAT Rel. : 1.0.4				LAST UPDATE:	
Issue Date : 3/31/95				29-Oct-96 01:44 PM	
STUDY NAME		1996 BAND 2 (OHIO ONLY) PUBLIC COIN PHONE 0 - 14000 FEET INTRASTATE			
COMMENTS					
SERVICE CLASS		BAND 2 - PUBLIC COIN PHON		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		0 RELEASE TO PUBLIC	
DIGITAL LOOP CARRIER FACILITIES INCLUDED IN THE STUDY:		PROVIDED TO PUGQ			
Type Percent Mix :					
100 FIBER IN THE LOOP					
0 COPPER DIG LOOP CXR					

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C:\123R24\LCATR041\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 jurisdiction and the definitions of the cell layers: C1, C2, C3, C4 which represent the VERY HIGH, HIGH, MEDIUM, and LOW qualifiers, such as, METRO, URBAN, SUBURBAN, and RURAL.		
***** PLEASE REFER TO THE USER MANUAL FOR INFORMATION AND ***** CONCERNING ANY OTHER DATA INPUT ITEMS ON THIS DISPLAY ***** PRESS < Enter > KEY TO RETURN TO THE MAIN MENU			

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CA1123R24\LCATR041\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 - PUBLIC COIN PHONE		LCAT Rel. 1.0.4 ISSUED: 3/31/95 STUDY YEAR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 01:44 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 S or P N, W or B 2 or 4	<table border="1" style="width: 100%;"> <tr><td>NEW</td></tr> <tr><td>SWITCHED</td></tr> <tr><td>NARBAND</td></tr> <tr><td>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 e.g., 12000	<table border="1" style="width: 100%;"> <tr><td>100</td></tr> <tr><td>0</td></tr> <tr><td>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 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.		<table border="1" style="width: 100%;"> <tr><td>FLAT RATE</td></tr> <tr><td>1,2,3,4</td></tr> <tr><td>0 → 5</td></tr> <tr><td>1</td></tr> <tr><td>RATES PLAN</td></tr> </table>		FLAT RATE	1,2,3,4	0 → 5	1	RATES PLAN
FLAT RATE									
1,2,3,4									
0 → 5									
1									
RATES PLAN									

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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 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 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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\\LCATR041\FACILITY
SPAN_INV
/4

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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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C:\123R24\LCATR041\FACILITY		LOOP COST ANALYSIS TOOL				Bellcore	
TABLE - SPAN_INV SHEET 1A / 4 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE/PROV: OHIO		LOOP FACILITY INPUT FIBER CABLE DATA - BY CABLE SHEATH DETAIL FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE				LCAT Ver: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 13:47	
FIBER OPTIC CABLE INVESTMENT REFERENCE TABLE							
Cable Sheath Sizes		CAPACITY	Unit Investment per Cable Pair Foot, by Cable Type, by Cable Size				
		INDEX	AERIAL	BURIED	UNDERGROUND		
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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TABLE - SPAN_INV
SHEET 1 / 4

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LCAT Rel: 1.0.4
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C:\123R24\LCATR041\FACILITY		LOOP COST ANALYSIS TOOL				Bellcore (R)	
TABLE - SPAN INV SHEET: 2/4		LOOP FACILITY INPUT COPPER CABLE DATA				LCAT Ver: 1.0.4 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: 29-Oct-96	
		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE				TIME: 13:47	
COPPER CABLE CHARACTERISTICS AND INVESTMENTS							
Cable Gauge Mix :		<u>GAUGE</u>	FEEDER <u>SEGMENT</u>	DISTRIBUTION <u>SEGMENT</u>	Unit Investment per Cable Pair Foot By Cable Type, By Cable Gauge :		
The Proportion of Copper Cable that is		26 GA.	0.1500	0.1500	Update Cable Sheath Prices (Required with INDIVIDUAL Mode) on the FULL SET Input SHEET ? (Y/N) N		
		24 GA.	0.8500	0.8500	If not, Update		
		22 GA.	0.0000	0.0000			
Cable Type Mix, By Gauge :					<u>GAUGE</u>	FEEDER <u>SEGMENT</u>	DISTRIBUTION <u>SEGMENT</u>
The Proportion of Copper Cable that is		26 GA.	AERIAL 0.2900	0.6200	CONFIDENTIAL NOTICE MUST BE RELEASED PRIOR TO RELEASE PROVIDED		
			BURIED 0.0200	0.3300			
			UNDGRND 0.6900	0.0500			
		24 GA.	AERIAL 0.2900	0.6200			
			BURIED 0.0200	0.3300			
			UNDGRND 0.6900	0.0500			
		22 GA.	AERIAL 0.0000	0.0000			
			BURIED 0.0000	0.0000			
			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.

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C:\123R24\LCATR041\FACILITY		LOOP COST ANALYSIS TOOL										Belcore
TABLE - SPAN INV SHEET 2A / 4		COPPER CABLE DATA - BY CABLE SHEATH DETAIL										LCAT Ver: 1.0.2
COMPANY: CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996										LCAT Issued: 07/31/95
CITY / AREA: CINCINNATI		LOOP STUDY YEAR: 1996										STUDY YR: 1996
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE										TEST CASE: 1
												LAST UPDATE: 29-Oct-96
												TIME: 13:47
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
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LOOP COST ANALYSIS TOOL

Bellcore (R)

SPAN INV - WORKSHEET
Sheet 1 / 3COPPER CABLE DISTRIBUTIONS MELDING
WORKSHEET A
 LCAT Rpt: 1.0.4
 Issue Date: 07/31/95
 STUDY YR: 1996
 TEST CASE: 1996
 DATE: 1
 LAST UPDATE: 29-Oct-96
 TIME: 13:47

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

 FACILITY TYPE: COPPER CABLE
 DESIGN TYPE: DISTRIBUTION SEGMENT

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...dst)	PER FOOT INVESTMENT (pfi..ds)	CABLE GAUGE MIX (copper..dst)	ADJUSTED CABLE TYPE	ADJUSTED PFI
CHARACTERISTICS FOR :	[A]	[B]	[C]	[D=A*C]	[E=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

--- TABLE 2 ---

DATA DESC.	CABLE TYPE MIX RANGE NAME	MELDED GAUGES
CHARACTERISTICS FOR :	[F=sum(D*type)]	
AERIAL	0.620000	
BURIED	0.330000	
UNDERGRND	0.050000	

Check = 1.000000

FOOTNOTES

--- TABLE 4 ---

PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES
[G=sum(E*type)]	
\$ 0.042600	
\$ 0.066800	
\$ 0.058000	

Check = 1.000000

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C:\123R24\LCATR041\FACILITY.WK1		LOOP COST ANALYSIS TOOL			Bellcore (M)	
SPAN INV - WORKSHEET Sheet 2 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET A FOR			LCAT Ver: 1.0.4 Issue Date: 07/31/96	
COMPANY: CINCINNATI BELL TEL.		FACILITY TYPE: COPPER CABLE			STUDY YR: 1996	
CITY / AREA: CINCINNATI		DESIGN TYPE: SUBFEEDER SEGMENT			TEST CASE: 1996	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE			DATE: 1	
					LAST UPDATE: 29-Oct-96	
					TIME: 13:47	
MELDED CABLE INVESTMENT PER PAIR FOOT						
DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...tdr)	PER FOOT INVESTMENT (pfi...tdr)	CABLE GAUGE MIX (copper...tdr)	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	
Check = 1.00						
--- TABLE 2 ---		--- TABLE 4 ---		--- TABLE 6 ---		
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=sum(F*Type)]	
AERIAL	0.290000		\$ 0.011900		0.043500	
BURIED	0.020000		\$ 0.020500		0.003000	
UNDERGRND	0.690000		\$ 0.011000		0.103500	
Check = 1.000000				Check = 1.000000		
FOOTNOTES						

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TABLE - SPAN_INV SHEET 3 / 4		LOOP FACILITY INPUT COPPER PAIRGAIN CABLE DATA		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 2 - PUBLIC COIN PHONE		LAST UPDATE: 29-Oct-96 TIME: 13:47
<u>COPPER CABLE CHARACTERISTICS FOR CDLC SYSTEMS</u>				
<u>FOR DLC SYSTEMS ON COPPER LOOPS</u>				
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 :			0
	Ratio Of Required Pairs To Derived Pairs [Pair Gain Factor] :			0.1250
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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TABLE - SPAN_INV
SHEET 3 / 4

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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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SPAN INV - WORKSHEET Sheet 3 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET B		LCAT Ver: 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: 1996 TEST CASE: 1996 DATE: 1 LAST UPDATE: 29-Oct-96 TIME: 13:47
		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE		
INVESTMENT DEVELOPMENT FOR:		MELDED CABLE INVESTMENT PER PAIR FOOT LINE REPEATER EQUIPMENT		
DESCRIPTION	REPEATER SPACING (A)	UNIT REPEATER INVESTMENT (B)	REPEATER INVEST. PER FOOT (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		
ADJUSTED PAIR / FOOT INVESTMENT DESCRIPTION	PAIR / FOOT INVESTMENT BY CODE BY GAUGE 2 * (PFleg) (D)	REPEATER BY GAUGE (RPTR gaG) (E=C)	WORKING CHANNEL INVESTMENT (A) (APLCE gaG) (D+E)	WORKING CHANNEL INVESTMENT FOOT (A) OFFIC (B) OFFIC
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
FOR DLC Gauge: 24.00				
TABLE 4 -				
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NOTES: ① The Facility Table Investments are for each Cable Pair Foot. DLC Systems are 4 wire.				

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TABLE - SPAN_INV SHEET 4 / 4		LOOP FACILITY INPUT SERVICE ACCESS SEGMENT FOR		LCAT Rel: 1.0.4 Issued: 07/31/95	
COM: COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE		STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 13:47	
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.....	Aerial	0.00	Per Unit Installation.....	Aerial Termination	0
	Buried	0.00		Buried Termination	0
The Average Drop Wire & Building Entrance Cable Installation -					
Proportion of Loops that use..	Aerial Wire Drops	0.0000	Adjust Cable Pair Foot. Invest. for Bldg Entrance ? (Y/N)	N	
	Buried Wire Drops	0.0000	Per Unit Installation.....	Aerial Wire Drops	\$ 0.00
	Bldg Entrance Cable	1.0000		Buried Wire Drops	\$ 0.00
	Aerial Coax/Wire Drops	0.0000		Bldg Entrance Cable	\$ 75.00
				Aerial Coax/Wire Drops	\$ 0.00
The Average Intrabuilding Cable Installation -					
Proportion of Installations with Intrabuilding Cable	0.0000		Per Installation.....	\$ 0.00	

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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\LCATR041\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
COMPANY : CINCINNATI BELL TEL.		INVESTMENT YEAR : 1996		TEST CASE : 1
CITY / AREA : CINCINNATI		STUDY YEAR : 1996		LAST UPDATE : 17-Jan-97
STATE / PROV : OHIO		SERVICE CLASS : BAND 2 - PUBLIC COIN PHONE		TIME : 15:22

plant list	PRICE INDEX	ANNUAL COST
LAND	1.0000	0.2322
BUILDING	1.0000	0.2937
BLDG ENTRANCE CABLE	1.0000	0.3922
INTRABLDG CABLE	1.0000	0.3922
AERIAL CABLE (COPPER)	1.0000	0.4033
BURIED CABLE (COPPER)	1.0000	0.3467
UNDERGROUND (CU) CA.	1.0000	0.3663
CO EQPT - LOW CAP TERM	1.0000	0.3881
CO EQPT - LOW CAP CHAN	1.0000	0.3881
CO EQPT - HI CAP TERM	1.0000	0.3881
CO EQPT - HI CAP CHAN	1.0000	0.3881
CO EQPT - ANALOG SW	1.0000	0.0000
CO EQPT - DIGITAL SW	1.0000	0.3458
AERIAL CABLE (FIBER)	1.0000	0.2583
BURIED CABLE (FIBER)	1.0000	0.2689
UNDERGROUND (FO) CA.	1.0000	0.3881
CONNECTORS	1.0000	0.3881
MISC. COM EQP & PWR	1.0000	0.3807
POLE LINE	1.0000	0.2521
CONDUIT	1.0000	

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C:\123R24\LCATR041\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 2 - PUBLIC COIN PHONE			LAST UPDATE: 29-Oct-96 13:48	
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	\$ 181.35	\$ 24.29	\$ 238.42
For an Integrated DLC Equipment Arrangement			\$ 0.00	\$ 0.00	\$ 0.00	\$ 103.93
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL :						
1. For a Hub with nonFiber Extensions or nonHub Arrangement			\$ 36.99	\$ 2.40	\$ 36.99	\$ 2.40
2. For a Hub with Fiber Extensions or a Fiber Ended Arrangement			\$ 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

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.

***** THE INPUT DATA NAMES IN RED CROSS - REFERENCE TO THEIR DATA CATALOG NAMES *****
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C:\123R24\LCATR041\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 2 - PUBLIC COIN PI		LCAT Ref: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 13:49
PLANT UTILIZATION FACTORS:				
Land	1.0000	ALL Non-Traffic Sensitive Equipment	1.0000	
Building	1.0000			
ALL Copper Cables, or		ALL Digital Loop Carrier Equip., or		
Copper Feeder Cable	0.6000	CO DLC Channel Unit	0.7000	
Copper Distribution Cable	0.3500	REM DLC Channel Unit	0.7000	
Copper Entrance Cable	1.0000	CO DLC Multiplex System	0.7000	
Copper Building Cable	0.3500	REM DLC Multiplex System	0.7000	
Copper Building Terminal	0.3500	CO Digital Signal Crossconnect Bay	0.7000	
		REM Digital Signal Crossconnect Bay	0.7000	
ALL Fiber Cables, or		ALL Fiber Optic Multiplex Equip., or		
Fiber Feeder Cable	0.3300	CO Fiber Optic Channel Unit	1.0000	
Fiber Distribution Cable	0.3300	REM Fiber Optic Channel Unit	1.0000	
Fiber Entrance Cable	0.3300	CO Fiber Optic Multiplex System	1.0000	
Fiber Building Cable	0.3300	REM Fiber Optic Multiplex System	1.0000	
Fiber Building Terminal	0.3300	CO Lightguide Terminating Equipment	1.0000	
		REM Lightguide Terminating Equipment	1.0000	
Poles	1.0000	Remote Housing:	1.0000	
Conduit	1.0000		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.

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C:\123R24\LCATR041\LOADING		LOOP COST ANALYSIS TOOL		Belcore [®]																																																																					
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 - PUBLIC COIN PHONE		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 13:49																																																																					
SEGMENT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">DISTRIBUTION</th> <th style="text-align: center;">FEEDER</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">② use <u>DEFAULT</u></td> </tr> <tr> <td>POLE LOADINGS:</td> <td></td> <td></td> </tr> <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> <tr> <td>CONDUIT LOADINGS:</td> <td></td> <td></td> </tr> <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> </tbody> </table> DROP WIRE (DW) INVESTMENT ADJUSTMENT: The Cable PFI is being Adjusted for DW ? NO <table border="1" style="width: 100%; border-collapse: collapse;"> <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 <u>DEFAULT</u> ① ② for: <u>CENT. OFC.</u> <u>REMOTE SITE</u> LAND LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or <u>ALL</u> 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 <u>ALL</u> 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 <u>ALL</u> 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>						DISTRIBUTION	FEEDER	② use <u>DEFAULT</u>			POLE LOADINGS:			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			CONDUIT LOADINGS:			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			Aerial Cable		Buried Cable		Underground Cable		Other or <u>ALL</u> ①	0.0056	0.0056	Digital Loop Carrier	0.0056	0.0056	Fiber Optic Mux	0.0056	0.0056	Other or <u>ALL</u> ①	0.1316	0.1316	Digital Loop Carrier	0.1316	0.1316	Fiber Optic Mux	0.1316	0.1316	Other or <u>ALL</u> 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	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

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

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C:\123R24\LCATR041\SPAN		LOOP COST ANALYSIS TOOL		Belcore [®]
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: 29-Oct-96
		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE		TIME: 13:52
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 (R)ing		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		DISTRIBUTION OF COST BANDS IN THE NETWORK		
BAND 1		BAND 1		
BAND 2		BAND 2		
BAND 3		BAND 3		
BAND 4		BAND 4		
BAND 5		BAND 5		
		CONFIDENTIAL		
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LAST 6711.0		LAST 1.00001 1.0000 Hint		

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LOOP COST ANALYSIS TOOL		Belcore (R)
CH123F24\LCATR041\SPAN	LOOP FACILITY INPUT HELP SCREEN	LCAT Rel : 1.0.4 Issued : 07/31/95
INPUT - SLANT CHAR. Sheet 1 of 2		
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 *****		
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C:\123R24\LCATR041\SPAN		LOOP COST ANALYSIS TOOL		Bellcore TM	
INPUT - PLANT_CHAR		HELP SCREEN		LCAT Rev: 1.0.4	
Sheet 2 of 2				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 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 LOG NAMES ***** ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION ***** CONFIDENTIAL NOTICE MUST BE GIVEN TO RELEASE TO PUBLIC PROVIDED PRESS 'ENTER' TO RETURN TO THE MAIN MENU					

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INPUT - PLANT_CHAR.		LOOP FACILITY INPUT				LCAT Rev: 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 2 - PUBLIC COIN PHONE				LAST UPDATE: 29-Oct-96	
						TIME: 13:52	
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET A			
CAPACITY		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
[C]	idx	CUMULATIVE FEEDER LENGTH [D _A]	EFFECTIVE LENGTH BY PAIR FOOT [E _A]	CUMULATIVE FEEDER LENGTH [D _B]	EFFECTIVE LENGTH BY PAIR FOOT [E _B]	CUMULATIVE FEEDER LENGTH [D _U]	EFFECTIVE LENGTH BY PAIR FOOT [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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C:\123R24\LCATR041\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 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: 29-Oct-96 TIME : 13:52			
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	

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C:\123R24\LCATR041\SPAN		LOOP COST ANALYSIS TOOL				Bellcore				
INPUT - PLANT_CHAR. Sheet 3a / 5		LOOP FACILITY INPUT COPPER CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER				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 2 - PUBLIC CI				LAST UPDATE: 29-Oct-96				
						TIME: 13:52				
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET A								
		CUMULATIVE LENGTHS BY CABLE PAIR FOOT								
CABLE SHEATH SIZES		26 GA.			24 GA.			22 GA.		
CAPACITY 10x		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									
500 COPPER CABLE	300 pr									
900 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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C:\123R24\LCATR041\SPAN		LOOP COST ANALYSIS TOOL						Bellcore			
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: 29-Oct-96 TIME: 13:52			
SERVICE CLASS: BAND 2 - PUBLIC C		WORKSHEET B									
NETWORK CIRCUIT LAYOUT STUDIES											
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES	CAPACITY idx		26 GA.			24 GA.			22 GA.		
			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	0.00	0.00	0.00	0.00	0.00	0.00
BURIED CABLE SUBTOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNDGRND CABLE SUBTOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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C:\123R24\LCATR041\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 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 - PUBLIC C			STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 13:52					
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET A								
		CUMULATIVE LENGTHS BY CABLE PAIR FOOT								
CABLE SHEATH SIZES		26 GA.			24 GA.			22 GA.		
CAPACITY 10X		AERIAL	BURIED	UNGRD	AERIAL	BURIED	UNGRD	AERIAL	BURIED	UNGRD
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	0.0	0.0	0.0	0.0	0.0	0.0

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C:\123R24\LCATR041\SPAN		LOOP COST ANALYSIS TOOL						Bellcore®			
PLANT CHAR - WORKSHEET 48 Sheet 4b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE DISTRIBUTION LAYER FOR						LCAT Rev: 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 2 - PUBLIC CI						LAST UPDATE: 29-Oct-96 TIME: 13:52			
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	0.00	0.00	0.00	0.00	0.00	0.00
BURIED CABLE SUBTOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNDGRD CABLE SUBTOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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C:\123R24\LCATR041\SPAN		LOOP COST ANALYSIS TOOL							Bellcore [®]	
INPUT - PLANT_CHAR. Sheet 5 / 5		LOOP FACILITY INPUT DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX FOR							LCAT Rel: 1.0.4 Issued: 07/31/85	
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE							STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-86 TIME: 13:52	
FIBER BANDWIDTH TRANSMISSION FLOW IS: ☒ UNIDIRECTIONAL ☐ BIDIRECTIONAL		LEVEL OF SERVICE: NARBAND								
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]	PER FO PAIR [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
CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC										
FOOTNOTES 1 Where Service Level Multiple EQUALS {1 for NARBAND, 28 for WIDEBAND, 672 for BRD&BAND} 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]}										
0										

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PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1996

TEST CASE: 1

LAST UPDATE: 29-Oct-96

TIME: 13:52

WORKSHEET DS

DIGITAL SIGNAL TABLE (digsig.tbl)							
SELECT	MODE	HIERARCHY	SNOWDTR	DS1MULT	DS3MULT	VGE	MEDIA
0							
1		DS1: 1.5 Mbps		1	0.04		24 UNDIR. 2WCU CA
2	MODE3	DS1: 1.5 Mbps		1	0.04		24 UNDIR. 4WCU CA
3		V11: 1.5 Mbps		1	0.04		24 UNDIR. FIBER
4		V12: 1.5 Mbps		1	0		UNDIR. FIBER
5		E11: 1.5 Mbps		1	0.08		30 UNDIR. 2WCU CA
6	MODE1	DS1C: 1.5 Mbps	NA				48 UNDIR. 2WCU CA
7	MODE2	DS1C: 1.5 Mbps		2	0.07		48 UNDIR. 2WCU CA
8		V13: 1.5 Mbps		2	0.07		56 UNDIR. FIBER
9		4 Mbps		2	0		60
10		DS2: 8.3 Mbps		4	0.14		72 UNDIR. 2WCU CA
11	MODE4	DS2: 8.3 Mbps	NA		0		72 UNDIR. 2WCU CA
12		V16: 8.3 Mbps		4	0.14		84 UNDIR. FIBER
13		E2: 8 Mbps		4	0.25		120 UNDIR. 2WCU CA
14		E3: 34 Mbps		16			480
15	X	DS3: 45 Mbps		28	1		672 UNDIR. 2WCU CA
16	STST	OC1: 50 Mbps		28	1		672 UNDIR. FIBER
17	X	90 Mbps			2		1344 UNDIR. FIBER
18		90 Mbps			2		1344 UNDIR. MW RADIO
19		DS4: 135 Mbps			3		2016 UNDIR. FIBER
20		135 Mbps			3		2016 UNDIR. MW RADIO
21		DS4NA: 135 Mbps			3		2016 UNDIR. FIBER
22		E4: 140 Mbps			3		1920 UNDIR. FIBER
23	I4M	139 Mbps			6		4032 UNDIR. CA XXX
24	P140	139 Mbps			6		4032 UNDIR. CA XXX
25	X	OC3: 155 Mbps			9		6048 UNDIR. FIBER
26	X	180 Mbps			9		6048 UNDIR. FIBER
27		417 Mbps			9		6048 UNDIR. FIBER
28		OC9: 466 Mbps			9		6048 UNDIR. FIBER
29		OC12: 560 Mbps			12		7680 UNDIR. FIBER
30		565 Mbps			12		7680 UNDIR. FIBER
31		1.2 Gbps			24		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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INPUT SCREEN

LCAT

PLANT CHAR. - WORKSHEET F
Sheet 1 of 1

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

LOOP LENGTH DEVELOPMENT WORKSHEET

FOR INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 2 - PUBLIC CO
WORKSHEET F

LCAT Rel: 1.0.4
Issued: 07/31/95
STUDY YR.: 1996
TEST CASE: 1
LAST UPDATE: 29-Oct-96
TIME: 13:52

[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)]	TOTAL AIR FEET [F=A*C*K]	ROUTE TO AIR RATIO: UNIT MILE / FEET CONSTANT: LOOP LENGTH @ MIDPOINT [G (see note)]	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

ERROR MESSAGE 0

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NOTE - SPREADSHEET (G) FORMULA: SORT((F_{CLASS}²/2)+(F_{PREV}²/2))

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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		
0.4964			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	5,625	1,095	5,608
46			41		
23,301	4,826	28,127	28,127	3,479	27,360
56			30		
0.4510			0.5775		
0.5490			0.4225		
1.0000			1.0000		

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A B C D E F G	LOOP COST ANALYSIS TOOL							Bellcore®	
	PROSPECTIVE INVESTMENT SUMMARY REPORT							LCAT Rel: 1.0.4	STUDY YR: 1996
	C:\123R24\LCATR042\RESULTS1							Issued: 7/31/95	1
	OUTPUT - REPORT D							TEST CASE:	28-Jan-97
	SHEET 1 of 1							RUN DATE:	12:34
	COMPANY: CINCINNATI BELL TEL							TIME:	
	CITY / AREA: CINCINNATI								
	STATE / PROV: OHIO								
	JOB IDENT: CINCINNATI								
	CIRCUIT DESIGN: TOTAL TECHNOLOGIES								
	LOOP SPAN DIVISION: ALL LOOP SPANS								
	SERVICE CLASS: BAND 2 - PUBLIC COIN PI								
	TOTAL LOOP LENGTH: 23774 FEET								
0	Loop Span Set Weighting: ☐ 1 UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							WEIGHTED	
1	PLANT NAME ----- FEEDER ----- DISTRIBUTION NETWORK							TOTAL	
2	SEG. NAME PRIMARY EXTENSION SUB-- INTERFACE							LOOP	
3	EQPT								
4	CODE								
5	PLANT								
6	ITEM DESCRIPTION SEG.LGTH.								
7	<u>SHARED RESOURCES</u>								
8	LAND	20C	\$ 0.08	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0758
9	BUILDING	10C	\$ 2.25	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.2463
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	\$ 0.89	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.8931
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	<u>DIRECT RESOURCES</u>								
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	\$ 0.00	\$ 2.45	\$ 2.4513
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	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
35	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
36	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
37	CO EQPT - LOW CAP TERM	257C	\$ 5.92	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 5.9241
38	CO EQPT - LOW CAP CHAN	257C	\$ 19.39	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 19.3944
39	CO EQPT - HI CAP TERM	857C	\$ 1.55	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.5466
40	CO EQPT - HI CAP CHAN	857C	\$ 2.39	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.3926
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	\$ 0.08	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0758
44	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
45	UNDERGROUND (FO) CA.	85C	\$ 0.07	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0700
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	\$ 0.02	\$ 0.00	\$ 0.01	\$ 1.20	\$ 0.00	\$ 0.00	\$ 1.2290
49	CONDUIT	4C	\$ 0.03	\$ 0.00	\$ 0.04	\$ 0.18	\$ 0.00	\$ 0.00	\$ 0.2544
50									
51	SPAN SUMMARY		\$ 32.67	\$ 0.00	\$ 0.24	\$ 10.54	\$ 2.45	\$ 45.90	
52								\$ 45.90	
53									
54									
55									

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C:\123R24\LCATR042\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 ONLY) PUBLIC COIN PHONE 14001 FEET - INFINITY INTRA

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	1	LAST SAVE
FR/DS	FLAT RATE	# BANDS	1	27 JAN 97
SVC LEVEL	INTERIOR	# CKTS.	1	88-33
CST METH	UN INCR	INV LEVEL	ARRNCOST	TIME

PROVIDED, you are ready for viewing

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C:\123R24\LCATR042\RESULTS1			LOOP COST ANALYSIS TOOL				Bellcore	
OUTPUT - WORKSHEET D			PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
SHEET 1 of 10							Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL			CIRCUIT DESIGN: 1 CDLC				STUDY YR: 1996	
CITY / AREA: CINCINNATI			LOOP SPAN DIVISION: ALL LOOP SPANS				TEST CASE: 1	
STATE / PROV: OHIO			SERVICE CLASS: BAND 2 - PUBLIC COIN P1				RUN DATE: 28-Jan-97	
JOB IDENT: CINCINNATI			TOTAL LOOP LENGTH: 23774 FEET				TIME: 12:34	

Circuit Design Mix: 1.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED	
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL		TOTAL
SEG. NAME		PRIMARY	EXTENSION	SUB--	INTERFACE	LOOP	LOOP	LOOP
EQPT								
PLANT								
CODE								
ITEM DESCRIPTION								
<u>SHARED RESOURCES</u>								
LAND	20C	\$ 0.07		\$ 0.00	\$ 0.00	\$ 0.07	\$ 0.07	
BUILDING	10C	\$ 1.97		\$ 0.00	\$ 0.00	\$ 1.97	\$ 1.97	
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	\$ 0.75		\$ 0.00	\$ 0.00	\$ 0.75	\$ 0.75	
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	
<u>DIRECT RESOURCES</u>								
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	\$ 2.45	\$ 2.45	
INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
AERIAL CABLE (COPPER)	22C	\$ 1.04		\$ 0.06	\$ 5.04	\$ 6.14	\$ 6.14	
BURIED CABLE (COPPER)	45C	\$ 0.11		\$ 0.01	\$ 3.62	\$ 3.74	\$ 3.74	
UNDERGROUND (CU) CA.	5C	\$ 2.07		\$ 0.12	\$ 0.50	\$ 2.69	\$ 2.69	
CO EQPT - LOW CAP TERM	257C	\$ 7.71		\$ 0.00	\$ 0.00	\$ 7.71	\$ 7.71	
CO EQPT - LOW CAP CHAN	257C	\$ 19.39		\$ 0.00	\$ 0.00	\$ 19.39	\$ 19.39	
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	\$ 0.25		\$ 0.01	\$ 1.20	\$ 1.46	\$ 1.46	
CONDUIT	4C	\$ 0.74		\$ 0.04	\$ 0.18	\$ 0.96	\$ 0.96	
SPAN SUMMARY		\$ 34.09	\$ 0.00	\$ 0.24	\$ 10.54	\$ 2.45	\$ 47.32	\$ 47.32
CIRCUIT DESIGN SUMMARY							\$ 47.32	

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C:\123R24\LCATR042\RESULTS1		LOOP COST ANALYSIS TOOL				Bellicore (A)	
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: 1996			
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		TEST CASE: 1			
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI		DATE: 28-Jan-97			
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 23774 FEET		TIME: 12:34			
Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				WEIGHTED	
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL	
SEG. NAME		PRIMARY		EXTENSION		SUB-	
EQPT		INTERFACE		TOTAL		TOTAL	
PLANT		CODE		LOOP		LOOP	
ITEM DESCRIPTION							
SHARED RESOURCES							
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	DIRECT RESOURCES						
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 - P GAIN TERM	257C				\$0	\$0
38	CO EQPT - P GAIN CHAN	257C				\$0	\$0
39	CO EQPT - FO MUX TERM	857C				\$0	\$0
40	CO EQPT - FO MUX 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
52							
53	CIRCUIT DESIGN SUMMARY					\$0	\$0
54							
55							

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C:\123R24\LCATR042\RESULTS1		LOOP COST ANALYSIS TOOL					Bellcore	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY					LCAT Rel: 1.0.4	
SHEET 3 of 10							Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: MELDED		CDLC		STUDY YR: 1996		
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP		SPANS		TEST CASE: 1		
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI				RUN DATE: 28-Jan-97		
JOB IDENT.: CINCINNATI		TOTAL LOOP LENGTH: 23774 FEET				TIME: 12:34		
Technology Type Mix: [0.0000]		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TECHNOLOGY	
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL		WEIGHTED
SEG. NAME		PRIMARY		EXTENSION		SUB-		TOTAL
EQPT								LOOP
CODE								LOOP
PLANT								
ITEM DESCRIPTION								
SHARED RESOURCES								
LAND		20C	\$ 0.07	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
BUILDING		10C	\$ 1.97	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
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	\$ 0.75	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
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	\$ 2.45	\$ 0.0000
INTRABLDG CABLE		52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
AERIAL CABLE (COPPER)		22C	\$ 1.04	\$ 0.00	\$ 0.06	\$ 5.04	\$ 0.00	\$ 0.0000
BURIED CABLE (COPPER)		45C	\$ 0.11	\$ 0.00	\$ 0.01	\$ 3.83	\$ 0.00	\$ 0.0000
UNDERGROUND (CU) CA.		5C	\$ 2.07	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
CO EQPT - P GAIN TERM		257C	\$ 7.71	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
CO EQPT - P GAIN CHAN		257C	\$ 19.39	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
CO EQPT - FO MUX TERM		857C	\$ 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	\$ 0.0000
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	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
POLE LINE		1C	\$ 0.25	\$ 0.00	\$ 0.01	\$ 1.20	\$ 0.00	\$ 0.0000
CONDUIT		4C	\$ 0.74	\$ 0.00	\$ 0.04	\$ 0.18	\$ 0.00	\$ 0.0000
SPAN SUMMARY			\$ 34.09	\$ 0.00	\$ 0.24	\$ 10.54	\$ 2.45	\$ 47.32
TECHNOLOGY DESIGN SUMMARY								\$ 47.32

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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		LOOP COST ANALYSIS TOOL										Bellcore [®]	
C:\123R24\LCATR042\RESULTS1		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Rel: 1.0.4	
OUTPUT - WORKSHEET D												Issued: 7/31/95	
SHEET 4 of 10												STUDY YR: 1996	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 1 FOMUX										TEST CASE: 1	
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS										RUN DATE: 28-Jan-97	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI										TIME: 12:34	
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 23774 FEET											
0		Circuit Design Mix: 0.0000										UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY	
1		PLANT NAME	FEEDER	SUB-	DISTRIBUTION NETWORK	TOTAL	WEIGHTED						
2		SEG. NAME	PRIMARY	EXTENSION	INTERFACE	LOOP	TOTAL						
3		EQPT											
4		CODE											
5		PLANT											
6		ITEM DESCRIPTION											
7		SHARED RESOURCES											
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		DIRECT RESOURCES											
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	\$0		
52													
53												\$0	
54													
55													

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C:\123R24\LCATR042\RESULTS1		LOOP COST ANALYSIS TOOL				Bellcore	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
SHEET 5 of 10						Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 2 FOMUX		STUDY YR: 1996			
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		TEST CASE: 1			
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI		RUN DATE: 28-Jan-97			
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 23774 FEET		TIME: 12:34			
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	LOOP
EQPT							
PLANT CODE							
ITEM DESCRIPTION							
<u>SHARED RESOURCES</u>							
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
<u>DIRECT RESOURCES</u>							
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

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C:\123R24\LCATR042\RESULTS1			LOOP COST ANALYSIS TOOL				Bellcore®	
OUTPUT - WORKSHEET D			PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
SHEET 6 of 10							Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL			CIRCUIT DESIGN:		3 FOMUX		STUDY YR: 1995	
CITY / AREA: CINCINNATI			LOOP SPAN DIVISION: ALL LOOP SPANS				TEST CASE: 1	
STATE / PROV: OHIO			SERVICE CLASS: BAND 2 - PUBLIC COIN PI				RUN DATE: 28-Jan-97	
JOB IDENT: CINCINNATI			TOTAL LOOP LENGTH: 23774 FEET				TIME: 12:34	

Circuit Design Mix: 1.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED		
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL		TOTAL	
SEG. NAME		PRIMARY		EXTENSION		SUB-		INTERFACE	
EQPT								LOOP	
CODE								LOOP	
PLANT									
ITEM DESCRIPTION									
<u>SHARED RESOURCES</u>									
LAND	20C	\$ 0.08		\$ 0.00	\$ 0.00	\$ 0.08	\$ 0.08		
BUILDING	10C	\$ 2.25		\$ 0.00	\$ 0.00	\$ 2.25	\$ 2.25		
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	\$ 0.89		\$ 0.00	\$ 0.00	\$ 0.89	\$ 0.89		
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		
<u>DIRECT RESOURCES</u>									
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	\$ 2.45	\$ 2.45		
INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
AERIAL CABLE (COPPER)	22C	\$ 0.00		\$ 0.06	\$ 5.04	\$ 5.10	\$ 5.10		
BURIED CABLE (COPPER)	45C	\$ 0.00		\$ 0.89	\$ 3.62	\$ 3.81	\$ 3.63		
UNDERGROUND (CU) CA.	5C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.62	\$ 0.62		
CO EQPT - LOW CAP TERM	257C	\$ 5.92		\$ 0.00	\$ 0.00	\$ 5.92	\$ 5.92		
CO EQPT - LOW CAP CHAN	257C	\$ 19.39		\$ 0.00	\$ 0.00	\$ 19.39	\$ 19.39		
CO EQPT - HI CAP TERM	857C	\$ 1.55		\$ 0.00	\$ 0.00	\$ 1.55	\$ 1.55		
CO EQPT - HI CAP CHAN	857C	\$ 2.39		\$ 0.00	\$ 0.00	\$ 2.39	\$ 2.39		
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	\$ 0.08		\$ 0.00	\$ 0.00	\$ 0.08	\$ 0.08		
BURIED CABLE (FIBER)	845C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
UNDERGROUND (FO) CA.	85C	\$ 0.07		\$ 0.00	\$ 0.00	\$ 0.07	\$ 0.07		
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	\$ 0.02		\$ 0.01	\$ 1.20	\$ 1.23	\$ 1.23		
CONDUIT	4C	\$ 0.03		\$ 0.04	\$ 0.18	\$ 0.25	\$ 0.25		
SPAN SUMMARY		\$ 32.67	\$ 0.00	\$ 0.24	\$ 10.54	\$ 2.45	\$ 45.90	\$ 45.90	
							\$ 45.90		

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A
B
C
D
E
F
GC:\123R24\LCATR042.RESULTS1
OUTPUT - WORKSHEET D
SHEET 7 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: 28-Jan-97
TIME: 12:34COMPANY: 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 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 23774 FEET

Circuit Design Mix : 0.00001		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TOTAL LOOP	WEIGHTED TOTAL LOOP
PLANT NAME	SEG. NAME	PRIMARY	FEEDER	EXTENSION	SUB--	DISTRIBUTION NETWORK INTERFACE		
PLANT	EQPT CODE							
ITEM DESCRIPTION								
<u>SHARED RESOURCES</u>								
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
<u>DIRECT RESOURCES</u>								
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	\$0

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C:\123R24\LCATR042\RESULTS1		LOOP COST ANALYSIS TOOL				Bellcore [®]	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Ref: 1.0.4	
SHEET 8 of 10						Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 5 FOMUX		STUDY YR: 1996		TEST DATE: 1	
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		RUN DATE: 28-Jan-97		TIME: 12:34	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI					
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 23774 FEET					
Circuit Design Max: 10.00001		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				TOTAL	WEIGHTED
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		LOOP	TOTAL LOOP
SEG. NAME		PRIMARY	EXTENSION	SUB-	INTERFACE		
EQPT							
CODE							
PLANT							
ITEM DESCRIPTION							
SHARED RESOURCES							
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
DIRECT RESOURCES							
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
51	SPAN SUMMARY	\$0	\$0	\$0	\$0	\$0	\$0
52						\$0	\$0
53							
54							
55							

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C:\123R24\LCATR042\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: 1			
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PI		RUN DATE: 28-Jan-97			
JOB IDENT: CINCINNAT		TOTAL LOOP LENGTH: 23774 FEET		TIME: 12:34			
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	LOOP
EQPT							
PLANT CODE							
ITEM DESCRIPTION							
SHARED RESOURCES							
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
DIRECT RESOURCES							
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
SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0	\$0

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A B C D E F G	LOOP COST ANALYSIS TOOL										Bellcore ^(R)	
	PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Rel: 1.0.4	
	C:\123R24\LCATR042\RESULTS1										Issued: 7/31/95	
	OUTPUT - WORKSHEET D										STUDY YR: 1996	
	SHEET 10 of 10										TEST CASE: 1	
	COMPANY: CINCINNATI BELL TEL										RUN DATE: 28-Jan-97	
	CITY / AREA: CINCINNATI										TIME: 12:34	
	STATE / PROV: OHIO											
	JOB IDENT: CINCINNATI											
	CIRCUIT DESIGN: MELDED FOMUX											
	LOOP SPAN DIVISION: ALL LOOP SPANS											
	SERVICE CLASS: BAND 2 - PUBLIC COIN PI											
	TOTAL LOOP LENGTH: 23774 FEET											
0	Technology Type Mix: [1.0000]										TECHNOLOGY	
1	UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY										WEIGHTED	
2	PLANT NAME										TOTAL	
3	SEG. NAME										LOOP	
4	EQPT										TOTAL	
5	PLANT										LOOP	
6	CODE										LOOP	
7	ITEM DESCRIPTION											
8	<u>SHARED RESOURCES</u>											
9	LAND	20C	\$ 0.08	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.08	\$ 0.0756		
10	BUILDING	10C	\$ 2.25	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.25	\$ 2.2463		
11	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
12	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
13	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
14	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
15	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
16	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
17	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
18	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
19	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
20	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
21	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
22	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
23	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
24	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
25	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
26	MISC. COM EQP & PWR	57C	\$ 0.89	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.89	\$ 0.8931		
27	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
28	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
29	<u>DIRECT RESOURCES</u>											
30	LAND	20C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000		
32	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.45	\$ 2.4513		
33	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000		
34	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.06	\$ 5.04	\$ 0.00	\$ 5.10	\$ 5.1000	\$ 5.1000		
35	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.01	\$ 3.62	\$ 0.00	\$ 3.63	\$ 3.6300	\$ 3.6300		
36	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.12	\$ 0.50	\$ 0.00	\$ 0.62	\$ 0.6200	\$ 0.6200		
37	CO EQPT - LOW CAP TERM	257C	\$ 5.92	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 5.92	\$ 5.9241	\$ 5.9241		
38	CO EQPT - LOW CAP CHAN	257C	\$ 19.39	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 19.39	\$ 19.3944	\$ 19.3944		
39	CO EQPT - HI CAP TERM	857C	\$ 1.55	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.55	\$ 1.5466	\$ 1.5466		
40	CO EQPT - HI CAP CHAN	857C	\$ 2.39	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.39	\$ 2.3926	\$ 2.3926		
41	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	\$ 0.0000		
42	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	\$ 0.0000		
43	AERIAL CABLE (FIBER)	822C	\$ 0.08	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.08	\$ 0.0758	\$ 0.0758		
44	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	\$ 0.0000		
45	UNDERGROUND (FO) CA.	85C	\$ 0.07	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.07	\$ 0.0700	\$ 0.0700		
46	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	\$ 0.0000		
47	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	\$ 0.0000		
48	POLE LINE	1C	\$ 0.02	\$ 0.00	\$ 0.01	\$ 1.20	\$ 0.00	\$ 1.23	\$ 1.2290	\$ 1.2290		
49	CONDUIT	4C	\$ 0.03	\$ 0.00	\$ 0.04	\$ 0.18	\$ 0.00	\$ 0.25	\$ 0.2544	\$ 0.2544		
50												
51	SPAN SUMMARY		\$ 32.67	\$ 0.00	\$ 0.24	\$ 10.54	\$ 2.45	\$ 45.90	\$ 45.90	\$ 45.90		
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

28-Jan-97

Issued: 8/31/95

12:11

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) PUBLIC COIN PHONE 14001 FEET - INF

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	ANNOU

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....your run is finished

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CA123R24LCATCALC.DIST
DIST. PLANT - WORKSHEET A
Sheet 1 of 3

LOOP COST ANALYSIS TOOL

Bellcore®

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.)

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

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:28

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2 - RELATIVE MIX OF TYPE OF	LENGTH SUBSET BY TYPE OF PLANT	FROM TABLE 4 - CABLE INVESTMENT PER PAIR FOOT	CABLE INVESTMENT PER PAIR (E=C*D)	CABLE COMPONENTS			(NOTE 4) WEIGHTED TERMINAL INVESTMENT	(NOTE 4) WEIGHTED DROPP WIRE INVESTMENT
		CA. PLANT [B]		PAIR FOOT [D]		PER PAIR [E=C*D]	AIR DRYER INVESTMENT PER PAIR [F=E*fcbr]	DROPP WIRE ADJUSTMENT PER PAIR [F=E*fcbr]		
1989.0	AERIAL	0.620000	1233.2	0.042600	52.53					
CONSIDERS:	BURIED	0.330000	656.4	0.066800	43.89					
MELDED										
COPPER	UNDERGRND	0.050000	99.5	0.058000	5.77					
CABLE										
Check =		1.000000	1989.0							
<u>OUTSIDE PLANT LOADINGS</u>		(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						
<u>OTHER INVESTMENT</u>										
			inv / unit lgth:	inv rftn fcbr:						
POLE LINE FACTOR (PLF) =			0.0000	0.2530						
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =			\$ 37.97							
UG CONDUIT FACTOR (UCF) =			0.0000	0.5165						
CONDUIT INVESTMENT (UTIL UNDGRND INVST x UCF) =			\$ 8.51							
<u>FOOTNOTES</u>										
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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CA123R24\LCATCALC.DIST
DIST_PLNT - WORKSHEET A
Sheet 2 of 3

LOOP COST ANALYSIS TOOL

ACCOUNT 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 - PUBLIC COIN PHONE

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: 28-Jan-97
TIME: 12:28

PLANT ITEM	PLANT ACCT CODE	CAT. FIXED VARI	RESOURCE ALLOCATION	1996 UNIT INVESTMENT BY ACCOUNT	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL	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					1.0000		
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	52.53	1		\$ 53	0.3500		\$ 150
BURIED CABLE (COPPER)	45C	V	DIRECT	43.85	1		\$ 44	0.3500		\$ 125
UNDERGROUND (CU) CA.	5C	V	DIRECT	5.77	1		\$ 6	0.3500		\$ 16
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	37.97	1			1.0000		\$ 38
CONDUIT	4C	F	DIRECT	8.51	1			1.0000		\$ 9

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\$0 \$338
\$9 \$338
distintiv

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\LCAT\CALC\DIST		LOOP COST ANALYSIS TOOL						Bellcore (P)	
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 YR: 1996	
CITY / AREA: CINCINNATI		CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DIG) (NON-COLLOC)						TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE						RUN DATE: 26-Jan-97	
		TIME: 12:28							
PLANT ITEM	PLANT ACCT CODE	1996 TO 1996	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 [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			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000			0.3922				
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 150	0.4033		\$ 60.53		\$ 5.04
BURIED CABLE (COPPER)	45C	1.0000		\$ 125	0.3467		\$ 43.43		\$ 3.62
UNDERGROUND (CU) CA.	5C	1.0000		\$ 16	0.3663		\$ 6.04		\$ 0.50
CO EQPT - P GAIN TERM	257C	1.0000			0.3881				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3881				
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2963				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.2689				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000		\$ 38	0.3807		\$ 14.46		\$ 1.20
CONDUIT	4C	1.0000		\$ 9	0.2521		\$ 2.86		\$ 0.18
TOTALS			\$ 0	\$ 338		\$ 126.61		\$ 10.54	

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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_PLNT - WORKSHEET B
Sheet 1 of 3

LOOP COST ANALYSIS TOOL BASIC INVESTMENT WORKSHEET

Belcore (R)

LCAT

Release: 1.0.4

1998

STUDY YR:

TEST CASE:

RUN DATE:

TIME:

28-Jan-97

12:28

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

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) =

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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CA:\23R24\LCAT\CALC\DIST
DIST_PUNT - 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 - PUBLIC COIN PHONE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:28

1996 UNIT INVESTMENT BY ACCOUNT

1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION

ADMIN. UTIL. LINE

1996 UNIT LOOP INVESTMENT INCL. UTILIZATION

PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE VARI	ALLOCATION	COST EQUATION [F]	CIRCUIT QUANTITY [G]	SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL. LINE [J]	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		

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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

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:25

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			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3922		\$ 29.42		\$ 2.45
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000			0.4033				
BURIED CABLE (COPPER)	45C	1.0000			0.3457				
UNDERGROUND (CU) CA.	5C	1.0000			0.3663				
CO EQPT - P GAIN TERM	257C	1.0000			0.3881				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3881				
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.2689				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000			0.3807				
CONDUIT	4C	1.0000			0.2521				
TOTALS			bctshrinvt bctdinv			bctshrsy bctdinv		bctshrc bctdinv	
			\$ 0 \$ 75			\$ 0.00 \$ 29.42		\$ 0.00 \$ 2.45	
			bctshrsy bctdinv			bctshrc bctdinv		bctshrc bctdinv	

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PROVIDED TO PUCO

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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CA123R24LCATCALC.DIST
DIST. PLANT - WORKSHEET B
Sheet 1 of 3

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET

Bellcore (R)

LCAT

Release: 1.0.4

STUDY YR:

1996

TEST CASE:

1

RUN DATE:

28-Jan-97

TIME:

12:29

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

TYPE OF PLANT ITEM	UNIT PLANT INVEST. [A]	PROB. OF OCCURRENCE [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) =

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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DIST_PLNT - WORKSHEET B
Sheet 2 of 3

LOOP COST ANALYSIS TOOL ACCOUNT INVESTMENT WORKSHEET

Bellcore (P)

LCAT

Release: 1.0.4

STUDY YR: 1996

TEST CASE: 1

RUN DATE: 28-Jan-97

TIME: 12:29

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE VARI	ALLOCATION	1996 UNIT INVESTMENT BY ACCOUNT 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					1.0000		
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					0.0000		

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\$ 0 \$ 75
\$ 75
bctinvty

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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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: 25-Jan-97
TIME: 12:29

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

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			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3922		\$ 29.42		\$ 2.45
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000			0.4033				
BURIED CABLE (COPPER)	45C	1.0000			0.3467				
UNDERGROUND (CU) CA.	5C	1.0000			0.3881				
CO EQPT - P GAIN TERM	257C	1.0000			0.3881				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3881				
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ANALOG SW	77C	1.0000			0.9009				
CO EQPT - DIGITAL SW	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2963				
BURIED CABLE (FIBER)	845C	1.0000			0.2963				
UNDERGROUND (FO) CA.	85C	1.0000			0.2689				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000			0.3807				
CONDUIT	4C	1.0000			0.2521				
TOTALS			\$ 0	\$ 75		\$ 0.00	\$ 29.42	\$ 0.00	\$ 2.45
				\$ 75			\$ 29.42		\$ 2.45

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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.

C:\123R24\LCAT\CALC.DIST		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: 1996	
CITY / AREA: CINCINNATI		CIRCUIT SEGMENT: DISTRIBUTION PLANT-NON-DLC-NON-COLLOC				TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COMM PHONE				RUN DATE: 28-Jan-97	
						TIME: 12:29	
		1996 UNIT MONTHLY RECURRING COST BY ACCOUNT					
	PLANT	BAND	logic-14a				(See Note)
	ACCT	MIX		0			TOTAL
	CODE	AVG.		1.0000			AVG. WEIGHTED
		LGTH.		23774			INVESTMENT
		SEG. LGTH.		1988.0			1989
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		\$ 5.04			\$ 5.04
34	BURIED CABLE (COPPER)	45C		\$ 3.62			\$ 3.62
35	UNDERGROUND (CU) CA.	5C		\$ 0.50			\$ 0.50
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		\$ 1.20			\$ 1.20
48	CONDUIT	4C		\$ 0.18			\$ 0.18
SPAN SUMMARY							
51				\$ 10.54	\$ 0.00	\$ 0.00	\$ 0.00
52	AVG. WTD. SPAN SUMMARY			\$ 10.54	\$ 0.00	\$ 0.00	\$ 0.00
53							
54							
55	NOTE:			[sum(INV _{ACCT} ^{BAND} + MIX ^{BAND})]			\$ 10.54

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DIST PLNT - REPORT 148
Sheet 1 of 1

LOOP COST ANALYSIS TOOL
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

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

CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:29

1996 UNIT MONTHLY RECURRING COST BY ACCOUNT

PLANT ITEM	PLANT ACCT CODE	BAND MIX AVG. LGTH.	ALL
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	2.45	
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		\$245	

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RUN - SUB PRI

LAST UPDATE

28-Jan-97

12:12

LOOP COST ANALYSIS TOOL

BellcoreTM

LCAT

Release: 1.0.4

Issued: 7/31/95

FEEDER SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) PUBLIC COIN PHONE 14001 FEET - INFI

CURRENT TEST PLAN : CURRENT JOB IDENT: CINCINNATI

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

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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 - PUBLIC COIN PHONE

Bellicore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:29

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 -- MILD CABLE DESIGN INVEST. PER PAIR FOOT	CABLE INVESTMENT PER PAIR	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR [E*fcfr]	WEIGHTED DROP WIRE ADJUSTMENT PER PAIR [UI*DTC]
[A]		[B]	[C=A*B]	[D]	[E=C*D]				
300	AERIAL	0.290000	87.00	0.011900	1.04		0.00	0.00	
MELDED GAUGE/S/ COPPER	BURIED	0.020000	6.00	0.020500	0.12		0.00	0.00	
CABLE	UNDERGRND	0.690000	207.00	0.011000	2.28		0.00	0.00	
CHECK =		1.000000							

23. ADDITIONAL CALCULATIONS FOR CENTRAL OFFICE INVESTMENTS

24. INVESTMENT PER CIRCUIT TERMINATION

25. (CO CONN) CONNECTORS (coi77c) = \$ 0.00

26. inv / unit lath: inv rtrn fcfr: 0.000000 0.253000

27. POLE LINE FACTOR = \$ 0.44

28. POLE LINE INVESTMENT =

29. (UTIL AERIAL INVEST x PL) =

30. UG CONDUIT FACTOR = 0.000000 0.518500

31. CONDUIT INVESTMENT = \$ 1.96

32. (UTIL UNDGRND INVEST x UC) =

33. PERCENT OF CO CONN AT DIGITAL SWITCHES 100.0000

34. PERCENT OF CO CONN AT ANALOG SWITCHES 0.0000

35.

36.

37.

38.

39.

40.

41.

42.

43.

44.

45.

46.

47. FOOTNOTES

48. NOTE 1: APPARENT INCONSISTANCIES MAY BE CAUSED BY COMPUTER ROUNDING.

49. NOTE 2: E * fcfr = INVESTMENT x DROP WIRE ADJUSTMENT FACTOR (MISCA or MISCB)

50. NOTE 3: UI * DTC = UNIT INVESTMENT x PROBABILITY OF OCCURANCE.

51. NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).

52.

53.

54.

55.

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SUB_PRI - WORKSHEET

Sheet 2 of 3

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

LOOP COST ANALYSIS TOOL

ACCOUNT INVESTMENT WORKSHEET

CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS

FACILITY TYPE: COPPER CABLE

CIRCUIT SEGMENT: MELDED GAUGE/S/SUB-PRIMARY

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

Bellcore®

LCAT Release: 1.0.4

Issue Date: 7/31/95

STUDY YR: 1996

TEST CASE: 1

RUN DATE: 28-Jan-97

TIME: 12:29

PLANT ITEM	PLANT ACCT CODE	FIXED VARI CAT.	RESOURCE ALLOCATION T	1996 UNIT INVESTMENT 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]
8 LAND	20C	F	SHARED	0.00				1.0000		
9 BUILDING	10C	F	SHARED	0.00				1.0000		
10 BLDG ENTRANCE CABLE	12C	V	DIRECT					1.0000		
11 INTRABLDG CABLE	52C	V	DIRECT					0.3500		
12 AERIAL CABLE (COPPER)	22C	V	DIRECT	1.04	1		\$ 1	0.6000		\$ 2
13 BURIED CABLE (COPPER)	45C	V	DIRECT	0.12	1		\$ 0	0.6000		\$ 0
4 UNDERGROUND (CU) CA.	5C	V	DIRECT	2.28	1		\$ 2	0.6000		\$ 4
15 CO EQPT - LOW CAP TERM	257C	F	DIRECT					0.7000		
16 CO EQPT - LOW CAP CHAN	257C	V	DIRECT					0.7000		
17 CO EQPT - HI CAP TERM	857C	F	DIRECT					1.0000		
18 CO EQPT - HI CAP CHAN	857C	F	DIRECT					1.0000		
19 CO EQPT - ANALOG SW	77C	V	DIRECT	0.00				1.0000		
20 CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00				1.0000		
21 AERIAL CABLE (FIBER)	822C	F	DIRECT					0.3300		
22 BURIED CABLE (FIBER)	845C	F	DIRECT					0.3300		
23 UNDERGROUND (FO) CA.	85C	F	DIRECT					0.3300		
24 CONNECTORS	57C	V	DIRECT					1.0000		
25 MISC. COM EQP & PWR	57C	V	SHARED	0.00				1.0000		
26 POLE LINE	1C	F	DIRECT	0.44				1.0000		\$ 0
27 CONDUIT	4C	F	DIRECT	1.96				1.0000		\$ 2

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TOTALS

\$ 0 \$ 8

culpivty

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\CUTECH

SUB_PRI - WORKSHEET

Sheet 1 of 3

LOOP COST ANALYSIS TOOL

PROSPECTIVE AND ANNUAL COSTS WORKSHEET

CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS

FACILITY TYPE: COPPER CABLE

CIRCUIT SEGMENT: WELDED GAUGE/S/ SUB-PRIMARY

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

Bellcore (R)

LCAT Release: 1.0.4

Issue Date: 7/31/95

STUDY YR: 1996

TEST CASE: 1

RUN DATE: 28-Jan-97

TIME: 12:29

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

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]
8 LAND	20C	1.0000			0.2322				
9 BUILDING	10C	1.0000			0.2937				
10 BLDG ENTRANCE CABLE	12C	1.0000			0.3922				
11 INTRABLDG CABLE	52C	1.0000			0.3922				
12 AERIAL CABLE (COPPER)	22C	1.0000		\$ 2	0.4033		\$ 0.70		\$ 0.06
13 BURIED CABLE (COPPER)	45C	1.0000		\$ 0	0.3467		\$ 0.07		\$ 0.01
14 UNDERGROUND (CU) CA.	5C	1.0000		\$ 4	0.3663		\$ 1.39		\$ 0.12
15 CO EQPT - LOW CAP TERM	257C	1.0000			0.3881				
16 CO EQPT - LOW CAP CHAN	257C	1.0000			0.3881				
17 CO EQPT - HI CAP TERM	857C	1.0000			0.3881				
18 CO EQPT - HI CAP CHAN	857C	1.0000			0.3881				
19 CO EQPT - ANALOG SW	77C	1.0000			0.0000				
20 CO EQPT - DIGITAL SW	377C	1.0000			0.3458				
21 AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
22 BURIED CABLE (FIBER)	845C	1.0000			0.2724				
23 UNDERGROUND (FO) CA.	85C	1.0000			0.2689				
24 CONNECTORS	57C	1.0000			0.3881				
25 MISC. COMEQP & PWR	57C	1.0000			0.3881				
26 POLE LINE	1C	1.0000		\$ 0	0.3807		\$ 0.17		\$ 0.01
27 CONDUIT	4C	1.0000		\$ 2	0.2521		\$ 0.48		\$ 0.04
28									
29 SUBTOTALS			\$ 0	\$ 8		\$ 0.00	\$ 2.62	\$ 0.00	\$ 0.24
30									
1 TOTALS				\$ 8			\$ 2.62		\$ 0.24
2				culpinvsy			culpac		culpmrc

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 PROVIDED TO PUCO

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\CUTECH		LOOP COST ANALYSIS TOOL				Belcore®	
SUB PR: - REPORT 14		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 1						Issue Date: 7/31/95	
COMPANY: CINCINNATI BELL TEL		FACILITY SEGMENT: SUB-PRIMARY PLANT				STUDY YR: 1996	
CITY / AREA: CINCINNATI						TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE				RUN DATE: 28-Jan-97	
						TIME: 12:29	
logic-14a		1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)	
						TOTAL	
						AVG. WEIGHTED	
						300	
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	DIRECT RESOURCES						
22	LAND	20C					\$ 0.00
23	BUILDING	10C					\$ 0.00
24	BLDG ENTRANCE CABLE	12C					\$ 0.00
25	INTRABLDG CABLE	52C					\$ 0.00
26	AERIAL CABLE (COPPER)	22C	\$ 0.06				\$ 0.06
27	BURIED CABLE (COPPER)	45C	\$ 0.01				\$ 0.01
28	UNDERGROUND (CU) CA.	5C	\$ 0.12				\$ 0.12
29	CO EQPT - P GAIN TERM	257C					\$ 0.00
30	CO EQPT - P GAIN CHAN	257C					\$ 0.00
31	CO EQPT - FO MUX TERM	857C					\$ 0.00
32	CO EQPT - FO MUX CHAN	857C					\$ 0.00
33	CO EQPT - ANALOG SW	77C					\$ 0.00
34	CO EQPT - DIGITAL SW	377C					\$ 0.00
35	AERIAL CABLE (FIBER)	822C					\$ 0.00
36	BURIED CABLE (FIBER)	845C					\$ 0.00
37	UNDERGROUND (FO) CA.	85C					\$ 0.00
38	CONNECTORS	57C					\$ 0.00
39	MISC. COM EQP & PWR	57C					\$ 0.00
40	POLE LINE	1C	0.0	\$ 0.01			\$ 0.01
41	CONDUIT	4C	0.0	\$ 0.04			\$ 0.04
42	SPAN SUMMARY		\$ 0.24	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.24
43	AVG. WTD. SPAN SUMMARY		\$ 0.24	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
44	NOTE: [sum(INV _{ACCT} ^{BAND} * MIX ^{BAND})]						

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C:\123R24\LCATC\ALC\CUPRGN
RUN - CDLC PLANT

LAST UPDATE
28-Jan-97
12:13

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 ONLY) PUBLIC COIN PHONE 14001 FEET - INFINITY INTRASTA

CURRENT TEST PLAN: CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE
FR / DS	FLAT RATE	#BANDS
SVC LEVEL	NARBAND	#NOTES
CST METH	UN INCR	INV LEVEL

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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: 28-Jan-97																																																																								
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE										TIME: 12:31 PM																																																																								
COMPANY: CINCINNATI BELL TEL CITY / AREA: OHIO STATE / PROV: CINCINNATI																																																																																		
23774 cur. digm 300 cur. digm - lgth f = 0.125 pgfactor.																																																																																		
<table border="1"> <thead> <tr> <th rowspan="2">SEGMENT LENGTH IN FEET</th> <th rowspan="2">TYPE OF CABLE</th> <th rowspan="2">RELATIVE MIX OF TYPE OF PLANT</th> <th rowspan="2">EFFECTIVE LENGTH BY TYPE OF PLANT</th> <th rowspan="2">MELDED INVEST. PER UNIT FOOT</th> <th colspan="2">CABLE COMPONENTS (NOTE 5)</th> <th colspan="2">(NOTE 4)</th> <th colspan="2">(NOTE 5)</th> </tr> <tr> <th>CABLE INVESTMENT PER CHAN [E=C*D]</th> <th>WEIGHTED TERMINAL INVESTMENT [UI*DTC]</th> <th>AIR DRYER INVESTMENT PER PAIR [E*fcdr]</th> <th>DROP WIRE ADJUSTMENT PER PAIR [E*fcdr]</th> <th>WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]</th> </tr> </thead> <tbody> <tr> <td>[A]</td> <td></td> <td>[B]</td> <td>[C=A*B*f]</td> <td>[D]</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>21485</td> <td>AERIAL</td> <td>0.290000</td> <td>778.83</td> <td>0.023800</td> <td>\$ 18.54</td> <td></td> <td>\$ 0.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ON</td> <td>BURIED</td> <td>0.020000</td> <td>53.71</td> <td>0.041000</td> <td>\$ 2.20</td> <td></td> <td>\$ 0.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>24.00 GA. FACILITIES</td> <td>UNDERGRND</td> <td>0.690000</td> <td>1853.08</td> <td>0.022000</td> <td>\$ 40.77</td> <td></td> <td>\$ 0.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>1.000000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												SEGMENT LENGTH IN FEET	TYPE OF CABLE	RELATIVE MIX OF TYPE OF PLANT	EFFECTIVE LENGTH BY TYPE OF PLANT	MELDED INVEST. PER UNIT FOOT	CABLE COMPONENTS (NOTE 5)		(NOTE 4)		(NOTE 5)		CABLE INVESTMENT PER CHAN [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR [E*fcdr]	DROP WIRE ADJUSTMENT PER PAIR [E*fcdr]	WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]	[A]		[B]	[C=A*B*f]	[D]							21485	AERIAL	0.290000	778.83	0.023800	\$ 18.54		\$ 0.00				ON	BURIED	0.020000	53.71	0.041000	\$ 2.20		\$ 0.00				24.00 GA. FACILITIES	UNDERGRND	0.690000	1853.08	0.022000	\$ 40.77		\$ 0.00						1.000000								
SEGMENT LENGTH IN FEET	TYPE OF CABLE	RELATIVE MIX OF TYPE OF PLANT	EFFECTIVE LENGTH BY TYPE OF PLANT	MELDED INVEST. PER UNIT FOOT	CABLE COMPONENTS (NOTE 5)		(NOTE 4)		(NOTE 5)																																																																									
					CABLE INVESTMENT PER CHAN [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR [E*fcdr]	DROP WIRE ADJUSTMENT PER PAIR [E*fcdr]	WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]																																																																									
[A]		[B]	[C=A*B*f]	[D]																																																																														
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		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 INT DLC EQUIP INVEST. (CU RTMUX) = intdlcrt \$ 0.00 UNIV DLC EQUIP INVEST. (CU COMUX) = unvdlcco \$ 24.29 UNIV DLC EQUIP INVEST. (CU RTMUX) = unvdlcrt \$ 238.42 DLC EQUIP INVEST. (CU LINE) = dlccol \$ 0.00																																																																																		
CONDUIT INVEST. FOR DLC CEV FACILITIES = conpgnrvst \$ 0.00 OTHER INVESTMENT POLE LINE FACTOR (PLf) = 0.0000 POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) = \$ 7.82 UGD CONDUIT FACTOR (UCf) = 0.0000 CONDUIT INVESTMENT (UTIL UNDOGRD INVEST x UCf) = \$ 35.09																																																																																		
EQUIPMENT INVESTMENT LOADINGS INVST. 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 INVST. (CU REMMUX x MCEP) = \$ 38.58 MCE&P INVST. (CDLCMUX x MCEP) = \$ 23.18 MCE&P INVST. (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 INVST. (CU COMUX+MCEP) x LANDf = \$ 3.41 LAND INVST. ((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 INVST. (CDLCMUX+MCEP) x BLDGF = \$ 80.24 BLDG INVST. ((CO CONN+MCEP) x BLDGF) = \$ 0.00																																																																																		
LOOP TOPOLOGY AVERAGE NUMBER OF HUBS ADDITIONAL LENGTH OF BLDG WSP REQUIRED MIX OF CENT. OFC. ANALOG INTFC MIX OF CENT. OFC. DIGITAL INTFC MIX OF UNIVERSAL DLC INTFC MIX OF INTEGRATED DIGITAL INTFC																																																																																		
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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C:\23R24\LCATCALC\CUPRGN		LOOP COST ANALYSIS TOOL		Belcore (P)	
CDLC PLANT - WORKSHEET		ACCOUNT INVESTMENT WORKSHEET		LCAT Release: 1.0.4	
Sheet 2 of 3		CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET		Issue Date: 8/31/95	
COMPANY: CINCINNATI BELL TEL		FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY		STUDY YR: 1996	
CITY / AREA: OHIO		FACILITY TYPE: COPPER DIG LOOP CRR		TEST CASE: 1	
STATE / CTRY: CINCINNATI		CIRCUIT DESIGN: T C		DATE: 28-Jan-97	
		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE		TIME: 12:31 PM	

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	3.41	1	\$ 3		1.0000	\$ 3	
BUILDING	10C	F	SHARED	80.37	1	\$ 80		1.0000	\$ 80	
BLDG ENTRANCE CABLE	12C	---	---					1.0000		
INTRABLDG CABLE	52C	---	---					0.3500		
AERIAL CABLE (COPPER)	22C	V	DIRECT	18.54	1		\$ 19	0.6000		\$ 31
BURIED CABLE (COPPER)	45C	V	DIRECT	2.20	1		\$ 2	0.6000		\$ 4
UNDERGROUND (CU) CA.	5C	V	DIRECT	40.77	1		\$ 41	0.6000		\$ 68
CO EQPT - P GAIN TERM	257C	F	DIRECT	165.80	1		\$ 167	0.7000		\$ 238
CO EQPT - P GAIN CHAN	257C	V	DIRECT	419.77	1		\$ 420	0.7000		\$ 600
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	23.18	1	\$ 23		1.0000		
POLE LINE	1C	F	DIRECT	7.82	1			1.0000		
CONDUIT	4C	F	DIRECT	35.09	1			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 + ORS INV
 CO EQPT - ANALOG/DIGITAL ESS = C.O. CONN INV + MC&P INV

CA123R24\LCATCALC\CPRGN
COLC PLANT - WORKSHEET 1
Sheet 3 of 3

LOOP COST ANALYSIS TOOL

Belcore

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 CRR
CIRCUIT DESIGN: 1C
SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
DATE: 28-Jan-97
TIME: 2:31 PM

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

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	\$ 3		0.2322	\$ 0.79		\$ 0.07	
BUILDING	10C	1.0000	\$ 80		0.2937	\$ 23.61		\$ 1.97	
BLDG ENTRANCE CABLE	12C	1.0000			0.3922				
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 31	0.4033		\$ 12.46		\$ 1.04
BURIED CABLE (COPPER)	45C	1.0000		\$ 4	0.3457		\$ 1.27		\$ 0.11
UNDERGROUND (CU) CA.	5C	1.0000		\$ 68	0.3663		\$ 24.89		\$ 2.07
CO EQPT - P GAIN TERM	257C	1.0000		\$ 238	0.3881		\$ 92.48		\$ 7.71
CO EQPT - P GAIN CHAN	257C	1.0000		\$ 600	0.3881		\$ 232.73		\$ 19.39
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ESS - ANALOG	77C	1.0000			0.0000				
CO EQPT - ESS - DIGITAL	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.2889				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000	\$ 23		0.3881	\$ 8.99		\$ 0.75	\$ 0.25
POLE LINE	1C	1.0000		\$ 8	0.3807		\$ 2.96		\$ 0.25
CONDUIT	4C	1.0000		\$ 35	0.2521		\$ 8.82		\$ 0.74
TOTALS			\$ 107	\$ 983		\$ 33.39	\$ 375.66		\$ 34.09
				\$ 1,090			\$ 409.05		
				FEEDTSY			FEEDTMR		

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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A
B
C
D
E
F
G
H

C:\123R24\LCAT\CALC\CUPRGN		LOOP COST ANALYSIS TOOL				Bellcore (R)	
CDLC_PLANT - REPORT 14.1		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 3						Issue Date: 8/31/95	
COMPANY: CINCINNATI BELL TEL.		FACILITY SEGMENT: PRIMARY FEEDER SEGMENT				STUDY YR: 1996	
CITY / AREA: CINCINNATI		CIRCUIT DESIGN: 1 COPPER DIG LCCP CXR				TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE				DATE: 28-Jan-97	
						TIME: 12:31 PM	
logc-14a		1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)	
BAND		0				TOTAL	
PLANT MIX		1.0000				AVG. WEIGHTED	
ACCT AVG						INVESTMENT	
PLANT ITEM		CODE	LGTH				
		SEGLGTH					
			23774				21485
			21485				21485
SHARED RESOURCES							
LAND	20C		\$ 0.07				\$ 0.07
BUILDING	10C		\$ 1.97				\$ 1.97
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 - 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		\$ 0.75				\$ 0.75
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		\$ 1.04				\$ 1.04
BURIED CABLE (COPPER)	45C		\$ 0.11				\$ 0.11
UNDERGROUND (CU) CA.	5C		\$ 2.07				\$ 2.07
CO EQPT - P GAIN TERM	257C		\$ 7.71				\$ 7.71
CO EQPT - P GAIN CHAN	257C		\$ 19.39				\$ 19.39
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		\$ 0.25				\$ 0.25
CONDUIT	4C		\$ 0.74				\$ 0.74
SPAN SUMMARY			34.09	0.00	0.00		0.00
AVG. WTD. SPAN SUMMARY			34.09	0.00	0.00		0.00
NOTE: [sum(INV _{ACCT} * MIX _{WTD})]							

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C:\123R24\LCAT\CALC\FOPRGN

Bellcore (R)

RUN - FO MUX

LAST UPDATE

28-Jan-97

12:14

LOOP COST ANALYSIS TOOL

LCAT

Release: 1.0.4

Issued: 7/31/95

FEEDER SEGMENT COST MODEL - FIBER IN THE LOOP TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) PUBLIC COIN PHONE 14001 FEET - INFINITY

CURRENT TEST PLAN :

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

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PHONE

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

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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: FEEDER IN THE LOOP										STUDY YR: 1996	
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 2 - PUBLX SERVICE LEVEL: NARBAND										LAST RUN: 26-Jan-97	
										TIME: 12:32	
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO											
from star_id: 300 cur_stdlength 12779.5 cur_prlgth SEGMENT LENGTH IN FEET fo3pri_seglength [A] 21485 CO TO HUB LINK ON FIBER OPTIC FACILITIES											
from bw_mix: f = 1979.04 wtdeqvmn EFFECTIVE LENGTH SUBSET DESIGN BY TYPE INVEST. PER PAIR FOOT OF PLANT [B] [C=A*B/f] [D]											
CABLE COMPONENTS (NOTE 5) WEIGHTED EFFECTIVE LGTH CABLE INVESTMENT [E=C*D] 1.01 WEIGHTED TERMINAL INVESTMENT [UI*DTG] 0.00 AIR DRYER INVESTMENT PER PAIR [E*factr] 0.00 DROP WIRE ADJUSTMENT PER PAIR [E*factr] 0.00 DROP WIRE INVESTMENT PER PAIR [UI*DTG] 0.00											
EQUIPMENT INVESTMENT LOADINGS INVST. 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.) = \$ 27.61 MCE&P INVST. (MUXrem+DLCrem) x MCEPfc.o.) = \$ 43.02 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) = 0.0056 LAND FACTOR FOR MUX EQP (LANDfrem) = 0.0056 LAND FACTOR FOR OTH (LANDfrem) = 0.0056 LAND FACTOR FOR OTH (LANDfrem) = 0.0056 LAND FACTOR FOR MUX EQP (LANDfrem) = 0.0056 LAND FACTOR FOR OTH (LANDfrem) = 0.0056 LAND INVST. (DLC+MUX+MCEP) x LANDfrem = \$ 1.53 LAND INVST. (MUX+DLC+MCEP) x LANDfrem = \$ 2.38 BUILDING FACTOR FOR MUX EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR OTH (BLDGfrem) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR OTH (BLDGfrem) = 0.1316 BLDG INVST. (DLC+MUX+MCEP) x BLDGfrem = \$ 35.88 BLDG INVST. (MUX+DLC+MCEP) x BLDGfrem = \$ 55.90											
OUTSIDE PLANT LOADINGS (NOTE 5): ADJUST./LOAD FACTORS TO AERIAL PFI NA 0.0000 ADJUST./LOAD FACTORS TO BURIED PFI NA 0.0000 ADJUST./LOAD FACTORS TO UGD PFI NA 0.0000 DLC EQUIPMENT INVEST. (NOTE 2) INT DLC EQUIP INVEST. (CU COMUX) = intdlcco \$ 0.00 \$ 0.00 INT DLC EQUIP INVEST. (CU RTMUX) = intdlcrt \$ 0.00 \$ 0.00 UNIV DLC EQUIP INVEST. (CU COMUX) = unvdlcco \$ 24.29 \$ 181.35 UNIV DLC EQUIP INVEST. (CU RTMUX) = unvdlcrt \$ 103.83 \$ 236.42 FIBER MUX EQUIP. INV. (FO COMUX) = hubmxcco \$ 2.40 \$ 36.99 FIBER MUX EQUIP. INV. (FO RTMUX) = hubmxort \$ 2.40 \$ 36.99											
OTHER INVESTMENT POLE LINE FACTOR (PLf) = fplf 0.0000 0.1985 POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) = \$ 0.60 UNDERGROUND CONDUIT FACTOR (PLf) = fucf 0.0000 0.5232 CONDUIT INVESTMENT (UTIL UNDERGRND INVST x UCf) = \$ 1.64											
LOOP TOPOLOGY AVERAGE NUMBER OF HUBS 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 CENT. OFC. INTEGRATED DLC 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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A C:\23R24\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

FACILITY TYPE: FIBER IN THE LOOP

CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.

SERVICE CLASS: BAND 2 - PUBLIC SERVICE LEVEL: NARBAND

Bellicore
 LCAT Rel: 1.0.4
 ISSUE DATE: 7/31/95
 STUDY YR: 1996
 TEST CASE: 1
 LAST RUN: 28-Jan-97
 TIME: 12:32

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

PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT		1996 UNIT LOOP INVESTMENT EXCL UTILIZATION		ADMIN. UTIL LINE FILL	1996 UNIT LOOP INVESTMENT INCL UTILIZATION	
				COST EQUATION	CIRCUIT QUANTITY	SHARED RESOURCES	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES
LAND	20C	F	SHARED	3.91	1	\$ 4		1.0000	\$ 4	
BUILDING	10C	F	SHARED	91.76	1	\$ 92		1.0000	\$ 92	
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	128.22	1		\$ 128	0.7000		\$ 183
CO EQPT - LOW CAP CHAN	257C	V	DIRECT	419.77	1		\$ 420	0.7000		\$ 600
CO EQPT - HI CAP TERM	857C	F	DIRECT	47.82	1		\$ 48	1.0000		\$ 48
CO EQPT - HI CAP CHAN	857C	F	DIRECT	73.98	1		\$ 74	1.0000		\$ 74
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	1.01	1			0.3300		\$ 3
BURIED CABLE (FIBER)	845C	F	DIRECT	0.00				0.3300		
UNDERGROUND (FO) CA.	85C	F	DIRECT	1.03	1			0.3300		\$ 3
CONNECTORS	57C	V	DIRECT	0.00				1.0000		
MISC. COM EQP & PWR	57C	V	SHARED	27.61	1			1.0000	\$ 28	
POLE LINE	1C	F	DIRECT	0.60				1.0000		\$ 1
CONDUIT	4C	F	DIRECT	1.64				1.0000		\$ 2
TOTALS									\$ 123	\$ 913
										\$ 1,036
										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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LOOP COST ANALYSIS TOOL										Bellcore	
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: 1996							
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.				TEST CASE: 1							
SERVICE CLASS: BAND 2 - PUE				LAST RUN: 28-Jan-97							
				TIME: 12:32							
COMPANY: CINCINNATI BELL TEL											
CITY / AREA: CINCINNATI											
STATE / PROV: OHIO											
Sheet 3 of 3											
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	
[PREVIOUS SHEET SUMMARY]			[L]	[M=K*L]	[M'=K'*L]	[N]	[P=M*N]	[P'=M'*N]	[Q=P/12]	[Q'=P'/12]	
9	LAND	20C	1.0000	\$ 4		0.2322	\$ 0.91		\$ 0.08		
10	BUILDING	10C	1.0000	\$ 92		0.2937	\$ 26.96		\$ 2.25		
11	BLDG ENTRANCE CABLE	12C	1.0000			0.3922					
12	INTRABLDG CABLE	52C	1.0000			0.3922					
13	AERIAL CABLE (COPPER)	22C	1.0000			0.4033					
14	BURIED CABLE (COPPER)	45C	1.0000			0.3467					
15	UNDERGROUND (CU) CA.	5C	1.0000			0.3663					
16	CO EQPT - LOW CAP TERM	257C	1.0000		\$ 183	0.3881		\$ 71.09		\$ 5.92	
17	CO EQPT - LOW CAP CHAN	257C	1.0000		\$ 600	0.3881		\$ 232.73		\$ 19.39	
18	CO EQPT - HI CAP TERM	857C	1.0000		\$ 48	0.3881		\$ 18.56		\$ 1.55	
19	CO EQPT - HI CAP CHAN	857C	1.0000		\$ 74	0.3881		\$ 28.71		\$ 2.39	
20	CO EQPT - ANALOG SW	77C	1.0000			0.0000					
21	CO EQPT - DIGITAL SW	377C	1.0000			0.3458					
22	AERIAL CABLE (FIBER)	822C	1.0000		\$ 3	0.2983		\$ 0.91		\$ 0.08	
23	BURIED CABLE (FIBER)	845C	1.0000			0.2724					
24	UNDERGROUND (FO) CA.	85C	1.0000		\$ 3	0.2689		\$ 0.84		\$ 0.07	
25	CONNECTORS	57C	1.0000			0.3881					
26	MISC. COM EQP & PWR	57C	1.0000	\$ 28		0.3881	\$ 10.72		\$ 0.89		
27	POLE LINE	1C	1.0000		\$ 1	0.3807				\$ 0.02	
28	CONDUIT	4C	1.0000		\$ 2	0.2521				\$ 0.03	
TOTALS				\$ 123	\$ 123	\$ 123	\$ 353.48	\$ 353.48	\$ 3.21	\$ 29.46	
				\$ 1036	\$ 1036	\$ 1036	\$ 392.06	\$ 392.06	\$ 32.57	\$ 32.57	
				feed3sy	feed3sy	feed3sy	feed3ann	feed3ann	feed3mrc	feed3mrc	

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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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A C:\123R24\LCATCALC\FOPRGN.WK1		LOOP COST ANALYSIS TOOL				Bellcore [®]	
B FO_MUX - REPORT 14.3		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
C Sheet 1 of 1		FOR PRIMARY FEEDER PLANT				ISSUE DATE: 7/31/95	
D COMPANY: CINCINNATI BELL TEL.		FACILITY TYPE: FIBER IN THE LOOP				STUDY YR: 1996	
E CITY / AREA: CINCINNATI		CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.				TEST CASE: 1	
F STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLK SERVICE LEVEL: NARBAND				LAST RUN: 28-Jan-97	
G						TIME: 12:32	
0		data - 14a3 1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(SEE NOTE)	
1		BAND 0				TOTAL	
2		PLANT MIX 1.0000				AVG WEIGHTED	
3		ACCT AVG.				INVESTMENT	
4		CODE LGTH 23774					
5		SEGLGTH 21485				21485	
6		SHARED RESOURCES					
7		LAND 20C				\$ 0.08	
8		BUILDING 10C				\$ 2.25	
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 - LOW CAP TERM 257C				\$ 0.00	
15		CO EQPT - LOW CAP CHAN 257C				\$ 0.00	
16		CO EQPT - HI CAP TERM 857C				\$ 0.00	
17		CO EQPT - HI CAP 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				\$ 0.89	
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				\$ 0.00	
34		BURIED CABLE (COPPER) 45C				\$ 0.00	
35		UNDERGROUND (CU) CA. 5C				\$ 0.00	
36		CO EQPT - LOW CAP TERM 257C				\$ 5.92	
37		CO EQPT - LOW CAP CHAN 257C				\$ 19.39	
38		CO EQPT - HI CAP TERM 857C				\$ 1.55	
39		CO EQPT - HI CAP CHAN 857C				\$ 2.39	
40		CO EQPT - ANALOG SW 77C				\$ 0.00	
41		CO EQPT - DIGITAL SW 377C				\$ 0.00	
42		AERIAL CABLE (FIBER) 822C				\$ 0.08	
43		BURIED CABLE (FIBER) 845C				\$ 0.00	
44		UNDERGROUND (FO) CA. 85C				\$ 0.07	
45		CONNECTORS 57C				\$ 0.00	
46		MISC. COM EQP & PWR 57C				\$ 0.00	
47		POLE LINE 1C				\$ 0.02	
48		CONDUIT 4C				\$ 0.03	
49							
50		SPAN SUMMARY				32.67	0.00
51						0.00	0.00
52		AVG. WTD. SPAN SUMMARY				32.67	0.00
53						0.00	0.00
54		NOTE: [sum(INV _{ACCT} ^{BAND} * MDX ^{BAND})]					
55							

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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: 1996
TEST CASE: 1
LAST UPDATE: 29-Oct-96
TIME: 14:03

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

FOOTNOTES

① THESE ASSIGNMENTS APPLY TO DEDICATED COPPER PAIRS (NON-MULTI-LEND) FEEDER & DISTRIBUTION
 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\LCATR042\COSTMETH
TABLE - COST_METH
Sheet 1 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 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 and Demand Sensitivity - F for Fixed Value, Low sensitivity to Distance and Demand. V for Variable Usage, Cost Sensitive to Distance and 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[®]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: 29-Oct-96

TIME: 14:03

PLANT ITEM	WHEN BANDWIDTH DELIVERY IS					
	NARROWBAND		WIDEBAND		BROADBAND	
PLANT CODE	CATEGORY INDEX	RESOURCE ASSIGNMENT	CATEGORY INDEX	RESOURCE ASSIGNMENT	CATEGORY INDEX	RESOURCE 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
850C	F	DIRECT	F	DIRECT	F	DIRECT
570C	V	DIRECT	V	DIRECT	V	DIRECT
570C	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(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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C:\123R24\LCATR042\COSTMETH

HELP SCREEN**Belcore** (R)

TABLE - COST_METH

LCAT Rel : 1.0.4

Sheet 2 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 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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CA123R24\LCATR042\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore	
INPUT - STUDY SETUP		GENERAL STUDY REQUIREMENTS		TODAY IS: 28-Jan-97	
LCAT Rel.: 1.0.4				LAST UPDATE:	
Issue Date: 3/31/95				29-Oct-96 02:03 PM	
STUDY NAME		1996 BAND 2 (OHIO ONLY) PUBLIC COIN PHONE 14001 FEET - INFINITY INTRASTATE			
COMMENTS					
SERVICE CLASS		BAND 2 - PUBLIC COIN PHON		STUDY BASIS	
				☒ NETWORK	
				☐ INDIVIDUAL	
COMPANY		CINCINNATI BELL TEL.		INVESTMENT YEAR	
				1996	
STATE / PROVINCE		OHIO		LOOP CHAR. STUDY YEAR	
				1996	
CITY / AREA		CINCINNATI		TEST CASE	
				1996	
DENSITY CELL MIX		0 100 0 0		NOTICE MUST BE GIVEN	
		VH HI MED LO		PRIOR TO RELEASE TO PUBLIC	
DIGITAL LOOP CARRIER FACILITIES INCLUDED IN THE STUDY:		1			
Type Percent Mix:		100 FIBER IN THE LOOP			
		0 COPPER DIG LOOP CXR			

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CA123R24\LCATR042\CRITERIA

INPUT - STUDY SETUP

Sheet 1 of 2

HELP SCREENBellcore[®]LCAT Rel. 1.0.4
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 *****

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CA1123R24LCATR042CRITERIA		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 - PUBLIC COIN PHONE		LCAT Rel. 1.0.4 ISSUED: 3/31/95 STUDY YEAR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 02:03 PM							
SELECTED QUESTIONS											
CONCERNING - SERVICE SPEC. OFFICE CHAR.		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>NEW</td></tr> <tr><td>SWITCHED</td></tr> <tr><td>NARBAND</td></tr> <tr><td>2</td></tr> </table>		NEW	SWITCHED	NARBAND	2		
NEW											
SWITCHED											
NARBAND											
2											
RESULTS SPEC.		0 → 100 0 → 100 0 → 100 e.g., 12000		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>100</td></tr> <tr><td>0</td></tr> <tr><td></td></tr> <tr><td>14000 Feet</td></tr> </table>		100	0		14000 Feet		
100											
0											
14000 Feet											
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 ? 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 ? 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.		For D 1,2,3,4 0 → 5 I, C or A 999		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>FLAT RATE</td></tr> <tr><td></td></tr> <tr><td>0</td></tr> <tr><td>COST</td></tr> <tr><td>TOT. INCR.</td></tr> <tr><td>RATES PLAN</td></tr> </table>		FLAT RATE		0	COST	TOT. INCR.	RATES PLAN
FLAT RATE											
0											
COST											
TOT. INCR.											
RATES PLAN											

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CA123R24\LCATR042 CRITERIA

HELP SCREEN**Bellcore** (P)

INPUT - STUDY SETUP

LCAT Rel. 1.0.4

ISSUED: 3/31/85

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 5 bands.
Enter **0** for Network Averaged (non-Banded) input or Individual Circuit Flat Rate Cost Study.
11. Specify **I** for Investment Only results or **C** for resultant Annual and Monthly Recurring Costs. 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\LCATR042\DESIGN	LOOP COST ANALYSIS TOOL		Belcore
INPUT - LOOP_DESIGN	CIRCUIT DESIGN REQUIREMENTS	LCAT Rel: 1.0.4	
Sheet 1 / 1	CHARACTERISTICS	Issued: 07/31/95	
	FOR	STUDY YR: 1996	
COMPANY: CINCINNATI BELL TEL.	INVESTMENT YEAR: 1996	TEST CASE: 1	
CITY / AREA: CINCINNATI	LOOP STUDY YEAR: 1996	LAST UPDATE: 29-Oct-96	
STATE / PROV: OHIO	SERVICE CLASS: BAND 2 - PUBLIC COIN PHON	TIME: 14:04	

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

FOR COINER DLC DESIGNS:

Weighting of Design #1

1.0000

Weighting of Design #2

0.0000

1.0000

ChkSum

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FOR COINER DLC DESIGNS
PROCEED TO PUBLIC
 'NA' DENOTES THAT THE CIRCUIT DESIGN
 PROBABLY DOES NOT APPLY TO THIS
 SET OF STUDY PARAMETERS.

C:\123R24\LCATR042\DESIGN
 INPUT - LOOP_DESIGN
 Sheet 1 of 1

HELP SCREEN**Belcore**

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 ~~DONOT~~ have collocated FIBER HUB and REMOTE TERMINAL functions.

WARNING

→ This function must be in place for "RING" topology. If 100% FIBER, then the *DESIGN* choices are limited for RING to *DESIGN*s 1 and 5. All other *DESIGN*s are to be avoided.

**SERVICE
SPECIFIC**

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

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C:\123R24\LCATR042\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore	
TABLE - SPAN INV SHEET 1:4		LOOP FACILITY INPUT FIBER CABLE DATA 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: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE		LAST UPDATE: 29-Oct-96	
				TIME: 14:05	
FIBER CABLE INVESTMENT AND CHARACTERISTICS					
CABLE TYPE MIX (DISTRIBUTION TO CODE):		FOR FEEDER SEGMENTS		FOR DISTRIBUTION SEGMENTS	
Proportion of FIBER cable installations that are					
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	
		(Fiber Hub to Remote Terminal)			
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\LCATR042\FACILITY			LOOP COST ANALYSIS TOOL				Bellcore
TABLE - SPAN_INV SHEET 1A / 4			LOOP FACILITY INPUT FIBER CABLE DATA - BY CABLE SHEATH DETAIL FOR				LCAT Ver: 1.0.4
COMPANY: CINCINNATI BELL TEL.			INVESTMENT YEAR: 1996				Issued: 07/31/95
CITY / AREA: CINCINNATI			LOOP STUDY YEAR: 1996				STUDY YR: 1996
STATE / PROV: OHIO			SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE				TEST CASE: 1
							LAST UPDATE: 29-Oct-96
							TIME: 14:06

FIBER OPTIC CABLE INVESTMENT REFERENCE TABLE						
Cable Sheath Sizes		CAPACITY	Unit Investment per Cable Pair Foot, by Cable Type, by Cable Size			
		INDEX	AERIAL	BURIED	UNDERGROUND	
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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TABLE - SPAN_INV
SHEET 1 / 4

HELP SCREEN

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

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CA123R241LCATR042\FACILITY		LOOP COST ANALYSIS TOOL		Belcore[®]	
TABLE ~ SPAN_INV SHEET 2 / 4		LOOP FACILITY INPUT COPPER CABLE DATA FOR		LCAT Rel: 1.04 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 - PUBLIC COIN PHONE		LAST UPDATE: 29-Oct-95	
				TIME: 14:06	

COPPER CABLE CHARACTERISTICS AND INVESTMENTS					
Cable Gauge Mix :	GAUGE	FEEDER SEGMENT	DISTRIBUTION SEGMENT	Unit Investment per Cable Pair Foot By Cable Type, By Cable Gauge :	
The Proportion of Copper Cable that is	26 GA.	0.1500	0.1500	Update Cable Sheath Prices (Required with INDIVIDUAL Mode) on the FULL SET Input SHEET ? (Y / N) N If not, Update	
	24 GA.	0.8500	0.8500		
	22 GA.	0.0000	0.0000		

Cable Type Mix, By Gauge :	GAUGE	FEEDER SEGMENT	DISTRIBUTION SEGMENT	Average Unit Investment for Copper Cable Installed as		
The Proportion of Copper Cable that is	26 GA.	AERIAL	0.2900	0.6200	26 GA. AERIAL	\$ 0.0119 \$ 0.0426
		BURIED	0.0200	0.3300	26 GA. BURIED	\$ 0.0205 \$ 0.0668
		UNDGRND	0.6900	0.0500	26 GA. UNDGRND	\$ 0.0110 \$ 0.0580
	24 GA.	AERIAL	0.2900	0.6200	24 GA. AERIAL	\$ 0.0119 \$ 0.0426
		BURIED	0.0200	0.3300	24 GA. BURIED	\$ 0.0205 \$ 0.0668
		UNDGRND	0.6900	0.0500	24 GA. UNDGRND	\$ 0.0110 \$ 0.0580
	22 GA.	AERIAL	0.0000	0.0000	22 GA. AERIAL	\$ 0.0000 \$ 0.0000
		BURIED	0.0000	0.0000	22 GA. BURIED	\$ 0.0000 \$ 0.0000
		UNDGRND	0.0000	0.0000	22 GA. UNDGRND	\$ 0.0000 \$ 0.0000

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NOTE : If the DROP WIRE resource Investment is average values, it may be backed up 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.

CA1123R25 LCATR042 FACILITY		LOOP COST ANALYSIS TOOL						Bellcore			
TABLE - SPAN INV SHEET 2A 4		LOOP FACILITY INPUT COPPER CABLE DATA - BY CABLE SHEATH DETAIL FOR						LCAT Rpt: 1.04 Issued: 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / CV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE						STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:08			
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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C:\123R24\LCATRC42\FACILITY
TABLE - SPAN_INV
SHEET 2 / 4

HELP SCREEN

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

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C:\123R24\LCATR042\FACILITY.WK1

LOOP COST ANALYSIS TOOL

Bellcore (R)

SPAN 1. - WORKSHEET
Sheet 1. 3COPPER CABLE DISTRIBUTIONS MELDING
WORKSHEET ALCAT R# 1.0.4
Issue Date: 07/31/95
STUDY YR: 1996
TEST CASE: 1996
DATE: 1
LAST UPDATE: 29-Oct-96
TIME: 14:06COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIOFACILITY TYPE: COPPER CABLE
DESIGN TYPE: DISTRIBUTION SEGMENT

SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE

DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...dst)	PER FOOT INVESTMENT (pfi...ds)	CABLE GAUGE MIX (copper...dst)	ADJUSTED CABLE TYPE	ADJUSTED PFI
CHARACTERISTICS FOR:	[A]	[B]	[C]	[D=A*C]	[E=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	\$ 0.058780
UNDGRND @ 24 GA.	0.050000	\$ 0.058000	0.8500	0.042500	\$ 0.048300
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 ---

--- TABLE 4 ---

Check = 1.00
--- TABLE 6 ---

DATA DESC.	CABLE TYPE MIX RANGE NAME	MELDED GAUGES
CHARACTERISTICS FOR:	[F=sum(D*TYPE)]	
AERIAL	0.620000	
BURIED	0.330000	
UNDERGRND	0.050000	

Check = 1.000000

PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES
[G=sum(E*TYPE)]	
\$ 0.042600	
\$ 0.066800	
\$ 0.058000	

PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES
[H=sum(F*TYPE)]	
\$ 0.042600	
\$ 0.066800	
\$ 0.058000	

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FOOTNOTES

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C:\123R24\LCATR042\FACILITY.WK1		LOOP COST ANALYSIS TOOL				Belcore®
SPAN INV - WORKSHEET Sheet 2 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET A FOR FACILITY TYPE: COPPER CABLE DESIGN TYPE: SUBFEEDER SEGMENT				LCAT Ver: 1.0.4 Issue Date: 07/31/95 STUDY YR: 1995 TEST CASE: 1995 DATE: 1 LAST UPDATE: 29-Oct-95 TIME: 14:05
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE/PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE				
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	
MELDED CABLE INVESTMENT PER PAIR FOOT						
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	
Check = 1.00						
--- TABLE 2 ---		--- TABLE 4 ---		--- TABLE 6 ---		
DATA DESC.	CABLE TYPE MIX RANGE NAME	MELDED GAUGES	PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES	PAIR / FOOT INVESTMENT RENORMALIZED AERIAL @ 26 GA.	MELDED GAUGES
CHARACTERISTICS FOR:	[F=sum(D*Type)]		[G=sum(E*Type)]		[H=Type / sum(F*Type)]	
AERIAL	0.290000		\$ 0.011900		\$ 0.001785	
BURIED	0.020000		\$ 0.020500		\$ 0.003075	
UNDERGRND	0.690000		\$ 0.011000		\$ 0.001650	
Check = 1.000000						
FOOTNOTES						

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C:\123R24\LCATR042\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore (P)
TABLE - SPAN_INV SHEET 3 / 4 COMPANY: CINCINNATI BEL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT COPPER PAIRGAIN CABLE DATA FOR INVESTMENT YEAR : 1996 LOOP STUDY YEAR : 1996 SERVICE CLASS : BAND 2 - PUBLIC COIN PHONE		LCAT Rel : 1.0.4 Issued : 07/31/95 STUDY YR : 1996 TEST CASE : 1 LAST UPDATE : 29-Oct-96 TIME : 14:06
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
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 Pair 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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CM123R24\LCATR042\FACILITY
TABLE - SPAN_INV
SHEET 3 / 4

HELP SCREEN**Belcore**®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\LCATR042\FACILITY.WK1		LOOP COST ANALYSIS TOOL		Bellcore (R)
SPAN INV - WORKSHEET Sheet 3 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET B		LCAT REV: 7.0.4 Issue Date: 07/31/95
FOR FACILITY TYPE: COPPER CABLE for DLC DESIGN TYPE: FEEDER SEGMENT		STUDY YR: 1996 TEST CASE: 1996 DATE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:06		
COMPANY: CINCINNATI BELL TEL. CITY / AREA: OHIO STATE/PROV: CINCINNATI		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE		
INVESTMENT DEVELOPMENT FOR:		MELDED CABLE INVESTMENT PER PAIR FOOT LINE REPEATER EQUIPMENT		
DESCRIPTION	REPEATER SPACING (A)	UNIT REPEATER INVESTMENT (B)	REPEATER INVEST. PER FOOT (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		
ADJUSTED PAIR / FOOT INVESTMENT DESCRIPTION	PAIR / FOOT INVESTMENT BY CODE BY GAUGE 2" (PFLC) (D)	REPEATER BY GAUGE (RPTR gaG) (E=C)	FOR DLC SYSTEM 24.00 TABLE 4 WORKING CHANNEL INVESTMENT / FOOT (ADLCFF) (E)	
AERIAL @ 26 GA.	\$ 0.023800	\$ 0.000000	\$ 0.023800	
BURIED @ 26 GA.	\$ 0.041000	\$ 0.000000	\$ 0.041000	
UNDGRND @ 26 GA.	\$ 0.022000	\$ 0.000000	\$ 0.022000	
AERIAL @ 24 GA.	\$ 0.023800	\$ 0.000000	\$ 0.023800	
BURIED @ 24 GA.	\$ 0.041000	\$ 0.000000	\$ 0.041000	
UNDGRND @ 24 GA.	\$ 0.022000	\$ 0.000000	\$ 0.022000	
AERIAL @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	
BURIED @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	
UNDGRND @ 22 GA.	\$ 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\LCATR042\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore (R)															
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 2 - PUBLIC COIN PHONE		LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 7 LAST UPDATE: 29-Oct-96 TIME: 14:08															
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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Aerial</td> <td style="width: 50%; text-align: right;">0.00</td> </tr> <tr> <td>Buried</td> <td style="text-align: right;">0.00</td> </tr> </table>	Aerial	0.00	Buried	0.00	Per Unit Installation.....	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Aerial Termination</td> <td style="width: 50%; text-align: right;">0</td> </tr> <tr> <td>Buried Termination</td> <td style="text-align: right;">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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Aerial Wire Drops</td> <td style="width: 50%; text-align: right;">0.0000</td> </tr> <tr> <td>Buried Wire Drops</td> <td style="text-align: right;">0.0000</td> </tr> <tr> <td>Bldg Entrance Cable</td> <td style="text-align: right;">1.0000</td> </tr> <tr> <td>Aerial Coax/Wire Drops</td> <td style="text-align: right;">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. Adj. Investment? (Y/N)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Aerial Wire Drops</td> <td style="width: 50%; text-align: right;">\$ 0.00</td> </tr> <tr> <td>Buried Wire Drops</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td>Bldg Entrance Cable</td> <td style="text-align: right;">\$ 75.00</td> </tr> <tr> <td>Aerial Coax/Wire Drops</td> <td style="text-align: right;">\$ 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	0.0000																		
Buried Wire Drops	0.0000																		
Bldg Entrance Cable	1.0000																		
Aerial Coax/Wire Drops	0.0000																		
Aerial Wire Drops	\$ 0.00																		
Buried Wire Drops	\$ 0.00																		
Bldg Entrance Cable	\$ 75.00																		
Aerial Coax/Wire Drops	\$ 0.00																		
The Average Intrabuilding Cable Installation -																			
Proportion of Installations with Intrabuilding Cable	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">0.0000</td> <td style="width: 50%; text-align: right;">\$ 0.00</td> </tr> </table>	0.0000	\$ 0.00	Per Instn for a Intrabuilding Network Cable Pair	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 0.00</td> <td style="width: 50%; text-align: right;">\$ 0.00</td> </tr> </table>	\$ 0.00	\$ 0.00												
0.0000	\$ 0.00																		
\$ 0.00	\$ 0.00																		

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\\LCATR042\FACILITY
SPAN_INV
4

HELP SCREEN

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

termi 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\LCATR042\FACTORS		LOOP COST ANALYSIS TOOL		Bellcore	
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	
CITY / AREA: CINCINNATI		STUDY YEAR: 1996		TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE		LAST UPDATE: 17-Jan-97 TIME: 15:22	

plant list	PRICE INDEX	ANNUAL COST
LAND	1.0000	0.2322
BUILDING	1.0000	0.2937
BLDG ENTRANCE CABLE	1.0000	0.3922
INTRABLDG CABLE	1.0000	0.3922
AERIAL CABLE (COPPER)	1.0000	0.4033
BURIED CABLE (COPPER)	1.0000	0.3467
UNDERGROUND (CU) CA.	1.0000	0.3663
CO EQPT - LOW CAP TERM	1.0000	0.3881
CO EQPT - LOW CAP CHAN	1.0000	0.3881
CO EQPT - HI CAP TERM	1.0000	0.3881
CO EQPT - HI CAP CHAN	1.0000	0.3881
CO EQPT - ANALOG SW	1.0000	0.3881
CO EQPT - DIGITAL SW	1.0000	0.3881
AERIAL CABLE (FIBER)	1.0000	0.2983
BURIED CABLE (FIBER)	1.0000	0.2724
UNDERGROUND (FO) CA.	1.0000	0.2659
CONNECTORS	1.0000	0.3881
MISC. COM EQP & PWR	1.0000	0.3881
POLE LINE	1.0000	0.3807
CONDUIT	1.0000	0.2521

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C:\123R24\LCATR042\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 2 - PUBLIC COIN PHONE				LAST UPDATE: 29-Oct-96 14:07	
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	\$ 181.35	\$ 24.29	\$ 238.42	\$ 103.93
For an Integrated DLC Equipment Arrangement			\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL:							
1. For a Hub with nonFiber Extensions or nonHub Arrangement			\$ 35.99	\$ 2.40	\$ 35.99	\$ 2.40	\$ 35.99
2. For a Hub with Fiber Extensions or a Fiber Ended Arrangement			\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
3. For a Fiber HUB and Fiber Remote Terminal Arrangement			\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
4. For Fiber Ring Hub Arrangements (Extensions)			\$ 0.00	\$ 0.00	\$ 0.00	\$ 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

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.

COE Field Item 1 FITL/CDLC Hub Extension or FITL non-Hubbing Arrangements, CO End Equip.

REM Field Item 1 FITL/CDLC Hub Extension or FITL non-Hubbing Arrangements, REM End Equip.

COE Field Item 2 FITL Hubbed Arrangements, CO to HUB Span Equip, CO End.

REM Field Item 2 FITL Hubbed Arrangements, CO to HUB Span Equip, Remote Site.

REM Field Item 3 FITL Hubbed Arrangements, HUB to RT Span Equip, Remote Sites.

REM Field Item 4 FITL Hubbed Arrangements, RING Span Equip, HUB Sites.

See Circuit Designs:

2,3,4 & 6

2,3,4 & 6

1 & 5

1 & 5

1 & 5

1,2,5 & 6

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

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

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C:\123R24\LCATR042\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 - PUBLIC COIN PI		LCAT Ref: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:07
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: Tel Hut		1.0000
Conduit	1.0000	Comm. Enc. 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

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

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C:\123R24\LCATR042\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 - PUBLIC COIN PHONE		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:07
SEGMENT DISTRIBUTION FEEDER ② use <u>DEFAULT</u>		DROP WIRE (DW) INVESTMENT ADJUSTMENT: The Cable PFI is being Adjusted for DW? : NO Aerial Cable Buried Cable Underground Cable		
POLE LOADINGS: Copper Cable Pole Investment Factor 0.2530 0.2530 Copper Cable Pole Unit Investment		use <u>DEFAULT</u> ① ② for: CENT. OFC. REMOTE SITE		
Fiber Cable Pole Investment Factor 0.1965 0.1965 Fiber Cable Pole Unit Investment		LAND LOADING FACTORS: Other or <u>ALL</u> ① 0.0056 0.0056 Digital Loop Carrier 0.0056 0.0056 Fiber Optic Mux 0.0056 0.0056		
CONDUIT LOADINGS: Copper Cable Conduit Investment Factor 0.5165 0.5165 Copper Cable Conduit Unit Investment		BUILDING LOADING FACTORS: Other or <u>ALL</u> ① 0.1316 0.1316 Digital Loop Carrier 0.1316 0.1316 Fiber Optic Mux 0.1316 0.1316		
Fiber Cable Conduit Investment Factor 0.5232 0.5232 Fiber Cable Conduit Unit Investment		SEC. EQUIPMENT & POWER LOADING FACTORS: Other or <u>ALL</u> 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 (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	fplff	__dst	__fdr	Based on aerial fiber cable investment relationship to pole
Fiber Cable Pole Unit Investment	fplfi	__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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C:\123R24\LCATR042\SPAN		LOOP COST ANALYSIS TOOL		Ballcore
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: 29-Oct-96
		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE		TIME: 14:10
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 23774.0		
②	Average Distance From the Serving Area Interface to the Service Access Point	DISTRIBUTION 1989.0		
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 21485.0		
⑤	Average Distance From the Fiber Hub to the Remote Terminal	PRIMARY-EXTENSION		
LOOP LENGTH AT EACH COST BAND		DISTRIBUTION OF COST BANDS IN THE NETWORK		
BAND 1		BAND 1		
BAND 2		BAND 2		
BAND 3		BAND 3		
BAND 4		BAND 4		
BAND 5		BAND 5		
LAST 23774.0		LAST 1.0000 1.0000 Hint		

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C:\123R24\LCATR042\SPAN		LOOP COST ANALYSIS TOOL		Bellcore (R)	
INPUT - PLANT_CHAR.		LOOP FACILITY INPUT		LCAT Rel :1.0.4	
Sheet 1 / 1		LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS 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 - PUBLIC COIN PHONE		LAST UPDATE : 29-Oct-96	
				TIME : 14:10	
<u>FLAT RATE BASIS DATA WITHOUT COST BANDS</u> <u>FOR A NETWORK CIRCUIT CASE STUDY</u>					
<u>LOOP LENGTH</u> ① 23774 FEET					
DROP DISTRIBUTION FEEDER ② ③					
1989 FEET SUB-PRIMARY 300.0 FEET PRIMARY					
FIBER DISTRIBUTION EXTENSION PRIMARY					
NETWORK INTERFACE SERVICE ACCESS POINT ONI SERVING AREA INTERFACE REMOTE TERMINAL (LOOP MULTIPLEX INTERFACE) REMOTE NODE (LOOP TRANSFER) FIBER HUB END OFFICE					

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CA123P24\LCATR042\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]	
INPUT - FANT_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 multiplex bandwidth transport. The range of multiplexers goes from 1.5 Mbps through 1.7 Gbps and determining 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		Belcore®
C:\123R24\LCATR042\SPAN		LCAT Rev: 1.0.4
INPUT - PLANT_CHAR.		Issued: 07/31/95
Sheet 2 of 2		
HELP SCREEN		
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 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 ***** CONFIDENTIAL NO RELEASE TO PUBLIC FOR PUCO PROVIDED TO PUCO PRESS "ENTER" TO RETURN TO THE MAIN MENU		

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CA123R24\LCATR042\SPAN		LOOP COST ANALYSIS TOOL				Bellcore (R)	
INPUT - PLANT CHAR.		LOOP FACILITY INPUT				LCAT Ref: T.0.4	
Sheet 2a / 5		FIBER OPTIC CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER				Issued: 07/31/95	
COMPANY: 0		FOR				STUDY YR: 1996	
CITY / AREA: CC		INVESTMENT YEAR: 1996				TEST CASE: 1	
STATE / PROV: C		LOOP STUDY YEAR: 1996				LAST UPDATE: 29-Oct-96	
		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE				TIME: 14:10	
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET A			
CAPACITY		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
[C]	idx	CUMULATIVE FEEDER LENGTH [D _A]	EFFECTIVE LENGTH BY PAIR FOOT [E _A]	CUMULATIVE FEEDER LENGTH [D _B]	EFFECTIVE LENGTH BY PAIR FOOT [E _B]	CUMULATIVE FEEDER LENGTH [D _U]	EFFECTIVE LENGTH BY PAIR FOOT [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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C:\123R24\LCATR042\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 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: OHIO		SERVICE CLASS: BAND 2 - PUBLIC COIN PHONE				LAST UPDATE: 29-Oct-96			
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET B				TIME: 14:10			
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 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: 28-Oct-96 TIME: 14:10		
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	UNGRD	AERIAL	BURIED	UNGRD	AERIAL	BURIED	UNGRD
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	0.00	0.00	0.00	0.00	0.00	0.00
BURIED CABLE SUBTOTAL											
UNGRD CABLE SUBTOTAL											

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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 : 07/31/95		
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO			INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 29-Oct-96 TIME: 14:10		
NETWORK CIRCUIT LAYOUT STUDIES			WORKSHEET B						SERVICE CLASS: BAND 2 - PUBLIC C		
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES	CAPACITY idx		26 GA.			24 GA.			22 GA.		
			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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PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIOLCAT Rel: 1.0.4
Issued: 07/31/95STUDY YR: 1995
TEST CASE: 1
LAST UPDATE: 29-Oct-95
TIME: 14:10

WORKSHEET DS

DIGITAL SIGNAL TABLE (digsig.tbl)						
SELECT	MODE	HIERARCHY	BNDWID	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	511.5 Mbps	1	0.04	24 UNDIR FIBER
4		VT2	12 Mbps	1	0	UNDIR FIBER
5		E1	2 Mbps	1	0.06	30 BIDIR 2WCU CA
6	MODE1	DS1C	13.2 Mbps	NA		48 BIDIR 2WCU CA
7	MODE2	DS1C	13.2 Mbps	2	0.07	48 BIDIR 2WCU CA
8		VT3	13.2 Mbps	2	0.07	56 UNDIR FIBER
9		E4	4 Mbps	2	0	60
10		DS2	16.3 Mbps	4	0.14	72 BIDIR 2WCU CA
11	MODE4	DS2	16.3 Mbps	NA	0	72 BIDIR 2WCU CA
12		VT6	16.3 Mbps	4	0.14	84 UNDIR FIBER
13		E2	16 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	150 Mbps	28	1	672 UNDIR FIBER
17	X		190 Mbps		2	1344 UNDIR FIBER
18			190 Mbps		2	1344 BIDIR MW RADIO
19		US4	135 Mbps		3	2016 UNDIR FIBER
20			135 Mbps		3	2016 BIDIR MW RADIO
21		DS4NA	139 Mbps		3	2016 UNDIR FIBER
22		E4	140 Mbps		3	1920 UNDIR FIBER
23		T4M	139 Mbps		6	768 BIDIR COAX
24		PT40	139 Mbps		16	2432 BIDIR COAX
25	X	OC3	155 Mbps		4	2016 UNDIR FIBER
26	X		180 Mbps		4	2880 UNDIR FIBER
27			417 Mbps		9	6048 UNDIR FIBER
28		OC9	466 Mbps		9	6048 UNDIR FIBER
29		OC12	560 Mbps		12	7680 UNDIR FIBER
30			565 Mbps		12	8064 UNDIR FIBER
31			1.2 Gbps		24	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: 29-Oct-96

TIME: 14:10

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

FOR
INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 2 - PUBLIC CO
WORKSHEET F

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

CONFIDENTIAL
NOTICE MUST BE GIVEN
PRIOR TO RELEASE TO PUBLIC

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

ERROR MESSAG 0

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