

Confidential Release

Case Number: 96-899-TP-ALT

Date of Confidential Document:

February 23, 1998

Today's Date: _____

Page Count _____

Part 4 _____

MCI Exhibits

1-48

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

LOOP COST ANALYSIS TOOL
ACCOUNT INVESTMENT WORKSHEET

Bellcore (R)

LCAT

Release: 1.0.4

STUDY YR: 1996

TEST CASE: 1

RUN DATE: 23-Jan-97

TIME: 13:44

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - BUSINESS (SDN)

G:\MDC

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					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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PRIOR TO RELEASE TO PUBLIC
PROVIDED TO POCO

\$ 0 \$ 75
\$ 75
activity

FOOTNOTES

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

NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.

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

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

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GMDC

01123R24LCATCALC\DIST
DIST PLNT - WORKSHEET B
Sheet 3 of 3

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

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

Belcore®
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 23-Jan-97
TIME: 13:44

PLANT ITEM	PLANT ACOCT 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] [M']	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N] [P']	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12] [R']	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			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.	35C	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									

bctshrinv bctdirinv

\$ 0 \$ 75 \$ 0.00 \$ 2.45

bctinvsv bctann bctmrc

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PRIOR TO RELEASE TO PUBLIC
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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LOOP COST ANALYSIS TOOL				Belcore (R)
BASIC INVESTMENT WORKSHEET				LCAT
Facility Type: COPPER CABLE				Release: 1.0.4
Circuit Segment: SERVICE ACCESS				STUDY YR: 1996
Service Class: BAND 2 - BUSINESS ISDN				TEST CASE: 1
				RUN DATE: 23-Jan-97
				TIME: 13:45
0				
1				
2				
3				
4				
5	TYPE OF PLANT	UNIT	PROB.	WEIGHTED
6	ITEM	PLANT	OF	TERMINAL
7		INVEST.	OCCURANCE	INVESTMENT
8		[A]	[B]	[C=A*B]
9	INTRABLDG CABLE	\$ 0.00	0.0000	\$ 0.00
10				
11	BLDG ENTRANCE CABLE	\$ 75.00	1.0000	\$ 75.00
12				
13	AERIAL TERMINAL	\$ 0.00	0.0000	\$ 0.00
14				
15	BURIED TERMINAL	\$ 0.00	0.0000	\$ 0.00
16				
17	AERIAL DROP WIRE	\$ 0.00	0.0000	\$ 0.00
18				
19	BURIED DROP WIRE	\$ 0.00	0.0000	\$ 0.00
20				
21	COAXIAL DROP	\$ 0.00	0.0000	\$ 0.00
22				
23				
24				
25	POLE LINE FACTOR (PLF) =	from length: 0.0000	from invest.: 0.2530	
26	POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =	\$ 0.00		
27				
28				
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46				
47	FOOTNOTES			
48	NOTE 1: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED.			
49	NOTE 2: THIS DATA IS USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN INVESTMENT AND MONTHLY COSTS			
50				
51				
52				
53				
54				
55				

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NOTICE: NO RELEASE TO PUBLIC

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ON123R24/LCAT/CALC/DIST
DIST_PLANT - WORKSHEET B
Sheet 2 of 3

LOOP COST ANALYSIS TOOL
ACCOUNT INVESTMENT WORKSHEET

Bellcore®
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 23-Jan-97
TIME: 13:45

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

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

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		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		

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

Bellcore®

LCAT

Release: 1.0.4

STUDY YR: 1996
TEST CASE: 1
RUN DATE: 23-Jan-97
TIME: 13:45

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

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

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. COME EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000			0.3807				
CONDUIT	4C	1.0000			0.2521				

TOTALS

bctshrinv bctdirinv
=====

\$ 0	\$ 75
	\$ 75

bctinvsv

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\$ 29.42	\$ 0.00	\$ 2.45
\$ 29.42		\$ 2.45

bctann bctmrc

NOTICE: INFORMATION GIVEN
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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.

C:\123R24\LCATCALC\DIST				LOOP COST ANALYSIS TOOL				Bellcore®	
DIST PLANT - REPORT 14A				PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 3				COMPANY: CINCINNATI BELL TEL.				Issue Date: 8/31/95	
CITY / AREA: CINCINNATI				FACILITY TYPE: COPPER CABLE				STUDY YR: 1996	
STATE / PROV: OHIO				CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-COLO, CO)				TEST CASE: 1	
				SERVICE CLASS: BAND 2 - BUSINESS ISDN				RUN DATE: 23-Jan-97	
								TIME: 13:45	
logic-14a				1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(See Note)	
BAND MIX				0				TOTAL	
ACCT				1.0000				AVG. WEIGHTED	
CODE				26159				INVESTMENT	
SEG. LGTH.				2049.0				2049	
PLANT ITEM									
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	\$ 5.20					\$ 5.20	
27	BURIED CABLE (COPPER)	45C	\$ 3.73					\$ 3.73	
28	UNDERGROUND (CU) CA.	5C	\$ 0.52					\$ 0.52	
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	\$ 1.24					\$ 1.24	
41	CONDUIT	4C	\$ 0.18					\$ 0.18	
42	SPAN SUMMARY		\$ 10.87	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 10.87	
43	AVG. WTD. SPAN SUMMARY		\$ 10.87	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 10.87	
44	NOTE:		[sum(INV ACCT BAND * MIX BAND)]					\$ 10.87	

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DIST_PLNT - REPORT 148
Sheet 1 of 1

LOOP COST ANALYSIS TOOL
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore®

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

CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 2 - BUSINESS ISDN

Release: 1.0.4
STUDY YR: 1998
TEST CASE: 1
RUN DATE: 23-Jan-97
TIME: 13:45

1996 UNIT MONTHLY RECURRING COST BY ACCOUNT

ALL

PLANT ITEM

PLANT
ACCT
CODE

BAND
VX
AVG.
LGTH.

SHARED RESOURCES

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

DIRECT RESOURCES

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

SPAN TOTAL

\$245

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RUN - SUB PRI

LAST UPDATE

23-Jan-97

10:37

LOOP COST ANALYSIS TOOL

Bellcore (R)

LCAT

Release: 1.0.4

Issued: 7/31/95

FEEDER SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) BUSINESS ISDN 18001 FEET - INFINITY

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

ANN COST
LIVEN
PUBLIC

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

LOOP COST ANALYSIS TOOL

Bellcore (R)

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

BASIC INVESTMENT WORKSHEET
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB - PRIMARY

LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1995
TEST CASE: 1
RUN DATE: 23-Jan-97
TIME: 13:48

SERVICE CLASS: BAND 2 - BUSINESS ISDN

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM	LENGTH SUBSET BY TYPE OF PLANT	FROM	CABLE INVESTMENT PER PAIR	CABLE COMPONENTS			WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
		TABLE 2 RELATIVE MIX OF TYPE OF CA. PLANT		TABLE 4 MLO CABLE DESIGN INVEST. PER PAIR FOOT		WEIGHTED TERMINAL INVESTMENT	AIR DRYER INVESTMENT	DROP WIRE ADJUSTMENT	
[A]		[B]	[C=A*B]	[D]	[E=C*D]	[UI*DTC]	PER PAIR	PER PAIR	[UI*DTC]
300	AERIAL	0.290000	87.00	0.011900	1.04		0.00	0.00	
MELDED GAUGE/S/ COPPER CABLE	BURIED	0.020000	6.00	0.020500	0.12		0.00	0.00	
	UNDERGRND	0.590000	207.00	0.011000	2.25		0.00	0.00	
CHECK =		1.000000							

ADDITIONAL CALCULATIONS FOR CENTRAL OFFICE INVESTMENTS

INVESTMENT PER CIRCUIT TERMINATION

(CO CONN) CONNECTORS (col77c) = \$ 0.00

inv / unit lenth: inv rtn fctr:

0.000000 0.253000

POLE LINE FACTOR =

0.000000

POLE LINE INVESTMENT =

\$ 0.44

(UTIL AERIAL INVEST x PL)

UG CONDUIT FACTOR =

0.000000 0.516500

CONDUIT INVESTMENT =

\$ 1.98

(UTIL UNDGRND INVEST x UC)

MISC. COMMON EQPT. & POWER FACTOR =

0.112700

MCE&P INVESTMENT (CO CONN x FACTOR) =

\$ 0.00

LAND FACTOR =

0.005500

LAND NVST (CO CONN + MCE&P) x FACTOR =

\$ 0.00

BUILDING FACTOR =

0.131600

BLDG NVST (CO CONN + MCEP) x FACTOR =

\$ 0.00

PERCENT OF CO CONN AT DIGITAL SWITCHES

100.0000

PERCENT OF CO CONN AT ANALOG SWITCHES

0.0000

PROVIDED TO FCC

FOOTNOTES

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

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

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

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

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0123R24\LCAT\CALC\OUTECH
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

Belcore®
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1995
TEST CASE: 1
RUN DATE: 23-Jan-97
TIME: 13:48

SERVICE CLASS: BAND 2 - BUSINESS ISDN

PLANT ITEM	PLANT ACCT CODE	FIXED VARI CAT.	RESOURCE ALLOCATION T	1995 UNIT INVESTMENT BY ACCOUNT	CIRCUIT QUANTITY [G]	1995 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL [J]	1995 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	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	1.04	1		\$ 1	0.6000		\$ 2
BURIED CABLE (COPPER)	45C	V	DIRECT	0.12	1		\$ 0	0.6000		\$ 0
UNDERGROUND (CU) CA.	5C	V	DIRECT	2.28	1		\$ 2	0.6000		\$ 4
CO EQPT - LOW CAP TERM	257C	F	DIRECT					0.7000		
CO EQPT - LOW CAP CHAN	257C	V	DIRECT					0.7000		
CO EQPT - HI CAP TERM	857C	F	DIRECT					1.0000		
CO EQPT - HI CAP CHAN	857C	F	DIRECT					1.0000		
CO EQPT - ANALOG SW	77C	V	DIRECT	0.00				1.0000		
CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00				1.0000		
AERIAL CABLE (FIBER)	822C	F	DIRECT					0.3300		
BURIED CABLE (FIBER)	845C	F	DIRECT					0.3300		
UNDERGROUND (FO) CA.	85C	F	DIRECT					0.3300		
CONNECTORS	57C	V	DIRECT					1.0000		
MISC. COM EQP & PWR	57C	V	SHARED	0.00				1.0000		
POLE LINE	1C	F	DIRECT	0.44	1		\$ 0	1.0000		\$ 0
CONDUIT	4C	F	DIRECT	1.96	1		\$ 2	1.0000		\$ 2
TOTALS										\$ 8

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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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C:\123R24\LCAT\CALC\CUTECH
 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/S. SUB-PRIMARY
 SERVICE CLASS: BAND 2 - BUSINESS ISDN

Bellcore (R)
 LCAT Release: 1.0.4
 Issue Date: 7/31/95
 STUDY YR: 1996
 TEST CASE: 1
 RUN DATE: 23-Jan-97
 TIME: 13:48

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENTS BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	0000			0.2322				
BUILDING	10C	0000			0.2937				
BLDG ENTRANCE CABLE	12C	0000			0.3922				
INTRABLDG CABLE	52C	0000			0.3922				
AERIAL CABLE (COPPER)	22C	0000		\$ 2	0.4033		\$ 0.70		\$ 0.06
BURIED CABLE (COPPER)	45C	0000		\$ 0	0.3467		\$ 0.07		\$ 0.01
UNDERGROUND (CU) CA.	5C	0000		\$ 4	0.3663		\$ 1.39		\$ 0.12
CO EQPT - LOW CAP TERM	257C	0000			0.3881				
CO EQPT - LOW CAP CHAN	257C	0000			0.3881				
CO EQPT - HI CAP TERM	857C	0000			0.3881				
CO EQPT - HI CAP CHAN	857C	0000			0.3881				
CO EQPT - ANALOG SW	77C	0000			0.0000				
CO EQPT - DIGITAL SW	377C	0000			0.3458				
AERIAL CABLE (FIBER)	822C	0000			0.2983				
BURIED CABLE (FIBER)	845C	0000			0.2724				
UNDERGROUND (FO) CA.	85C	0000			0.2689				
CONNECTORS	57C	0000			0.3881				
MISC. COM EQP & PWR	57C	0000			0.3881				
POLE LINE	1C	0000		\$ 0	0.3807		\$ 0.17		\$ 0.01
CONDUIT	4C	0000		\$ 2	0.2521		\$ 0.49		\$ 0.04
SUBTOTALS			\$ 0	\$ 8		\$ 0.00	\$ 2.82	\$ 0.00	\$ 0.24
TOTALS				\$ 8			\$ 2.82		\$ 0.24

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 culpac
 culpmrc

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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\LCATCALC\CUPRGN
RUN - CDLC PLANT

LAST UPDATE
23-Jan-97
10:39

LOOP COST ANALYSIS TOOL

Belcore (R)

LCAT

Release: 1.0.4

Issued: 8/31/95

FEEDER SEGMENT COST MODEL - COPPER DLC TECHNOLOGY

STUDY NAME: 1996 BAND 2 (OHIO ONLY) BUSINESS ISDN 18001 FEET - INFINITY INTRASTATE

CURRENT TEST PLAN : CURRENT JOB IDENT. : CINCINNATI

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

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OHIO ONLY
REVISED JAN 1997 VERSION
BAND 3
BUSINESS ISDN

MC1 DCP0.
Ex. No. 5
CDR 11-26-97

INDEX

BAND 3

Business ISDN

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

00	\$0.00	\$0.00	\$0.00
00	\$0.00	\$0.00	\$0.00
00	\$0.00	\$0.00	\$0.00
00	\$0.00	\$0.00	\$0.00
00	\$0.00	\$0.00	\$0.00
00	\$0.00	\$0.00	\$0.00
00	\$0.55	\$0.61	\$0.00
00	\$0.15	\$0.00	\$0.00
00	\$3.58	\$5.77	\$2.45

RATES PLAN

C:\123R24\LCATR037\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 3 (OHIO ONLY) BUSINESS ISDN 0 - 18000 FEET INTRASTATE

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI				
BASIS	NETWORK	TEST CASE	1	LAST SAVE
FR / DS	FLAT RATE	#BANDS	0	17-Jan-97
SVC LEVEL	NARBAND	#CKTS	1	17:08
CST METH	UN INCR	INV LEVEL	ANNCOST	TIME

your report is ready for viewing

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A
B
C
D
E
F
GC:\123R24\LCATR037\RESULTS1
OUTPUT - WORKSHEET D
SHEET 1 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Belcore®

LCAT Rel: 1.0.4

Issued: 7/31/95

STUDY YR: 1996

TEST CASE: 1

RUN DATE: 27-Jan-97

TIME: 14:28

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 1 CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 5608 FEET

Circuit Design Mix: 11.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED

	PLANT NAME SEG. NAME EQPT CODE	FEEDER				TOTAL LOOP	TOTAL LOOP
		PRIMARY	EXTENSION	SUB-	DISTRIBUTION NETWORK INTERFACE		
0							
1							
2							
3							
4							
5	PLANT						
6	ITEM DESCRIPTION						
7	<u>SHARED RESOURCES</u>						
8	LAND 20C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
9	BUILDING 10C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
10	BLDG ENTRANCE CABLE 12C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
11	INTRABLDG CABLE 52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
12	AERIAL CABLE (COPPER) 22C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
13	BURIED CABLE (COPPER) 45C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
14	UNDERGROUND (CU) CA. 5C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
15	CO EQPT - LOW CAP TERM 257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
16	CO EQPT - LOW CAP CHAN 257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
17	CO EQPT - HI CAP TERM 857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
18	CO EQPT - HI CAP CHAN 857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
19	CO EQPT - ANALOG SW 77C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
20	CO EQPT - DIGITAL SW 377C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
21	AERIAL CABLE (FIBER) 822C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
22	BURIED CABLE (FIBER) 845C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
23	UNDERGROUND (FO) CA. 85C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
24	CONNECTORS 57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
25	MISC. COM EQP & PWR 57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
26	POLE LINE 1C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
27	CONDUIT 4C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
28							
29	<u>DIRECT RESOURCES</u>						
30	LAND 20C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
31	BUILDING 10C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
32	BLDG ENTRANCE CABLE 12C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.45
33	INTRABLDG CABLE 52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
34	AERIAL CABLE (COPPER) 22C	\$ 0.00		\$ 2.31	\$ 2.55	\$ 4.86	\$ 4.86
35	BURIED CABLE (COPPER) 45C	\$ 0.00		\$ 0.16	\$ 2.61	\$ 2.77	\$ 2.77
36	UNDERGROUND (CU) CA. 5C	\$ 0.00		\$ 0.41	\$ 0.00	\$ 0.41	\$ 0.41
37	CO EQPT - LOW CAP TERM 257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
38	CO EQPT - LOW CAP CHAN 257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
39	CO EQPT - HI CAP TERM 857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
40	CO EQPT - HI CAP CHAN 857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
41	CO EQPT - ANALOG SW 77C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
42	CO EQPT - DIGITAL SW 377C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
43	AERIAL CABLE (FIBER) 822C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
44	BURIED CABLE (FIBER) 845C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
45	UNDERGROUND (FO) CA. 85C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
46	CONNECTORS 57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
47	MISC. COM EQP & PWR 57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
48	POLE LINE 1C	\$ 0.00		\$ 0.55	\$ 0.61	\$ 1.16	\$ 1.16
49	CONDUIT 4C	\$ 0.00		\$ 0.15	\$ 0.00	\$ 0.15	\$ 0.15
50							
51	SPAN SUMMARY	\$ 0.00	\$ 0.00	\$ 3.86	\$ 5.77	\$ 2.45	\$ 11.80
52							
53	CIRCUIT DESIGN SUMMARY					\$ 11.80	\$ 11.80
54							
55							

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A B C D E F G		C:\123R24\LCAT037\RESULTS1 OUTPUT - WORKSHEET D SHEET 2 of 10		LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				Bellicore (R) LCAT Rel: 1.0.4 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 3 - BUSINESS ISDN		DATE: 27-Jan-97			
		JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 5608 FEET		TIME: 14:28			
0		Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							
1		PLANT NAME	FEEDER	DISTRIBUTION NETWORK	TOTAL	WEIGHTED			
2		SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	LOOP	
3		EQPT							
4		CODE							
5		PLANT							
6		ITEM DESCRIPTION							
7		<u>SHARED RESOURCES</u>							
8		LAND	20C				\$0	\$0	
9		BUILDING	10C				\$0	\$0	
10		BLDG ENTRANCE CABLE	12C				\$0	\$0	
11		INTRABLDG CABLE	52C				\$0	\$0	
12		AERIAL CABLE (COPPER)	22C				\$0	\$0	
13		BURIED CABLE (COPPER)	45C				\$0	\$0	
14		UNDERGROUND (CU) CA.	5C				\$0	\$0	
15		CO EQPT - LOW CAP TERM	257C				\$0	\$0	
16		CO EQPT - LOW CAP CHAN	257C				\$0	\$0	
17		CO EQPT - HI CAP TERM	857C				\$0	\$0	
18		CO EQPT - HI CAP CHAN	857C				\$0	\$0	
19		CO EQPT - ANALOG SW	77C				\$0	\$0	
20		CO EQPT - DIGITAL SW	377C				\$0	\$0	
21		AERIAL CABLE (FIBER)	822C				\$0	\$0	
22		BURIED CABLE (FIBER)	845C				\$0	\$0	
23		UNDERGROUND (FO) CA.	85C				\$0	\$0	
24		CONNECTORS	57C				\$0	\$0	
25		MISC. COM EQP & PWR	57C				\$0	\$0	
26		POLE LINE	1C				\$0	\$0	
27		CONDUIT	4C				\$0	\$0	
28									
29		<u>DIRECT RESOURCES</u>							
30		LAND	20C				\$0	\$0	
31		BUILDING	10C				\$0	\$0	
32		BLDG ENTRANCE CABLE	12C				\$0	\$0	
33		INTRABLDG CABLE	52C				\$0	\$0	
34		AERIAL CABLE (COPPER)	22C				\$0	\$0	
35		BURIED CABLE (COPPER)	45C				\$0	\$0	
36		UNDERGROUND (CU) CA.	5C				\$0	\$0	
37		CO EQPT - 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		CIRCUIT DESIGN SUMMARY						\$0	\$0
53								\$0	\$0
54								\$0	\$0
55								\$0	\$0

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RATES PLAN

C:\123R24\LCATR037\RESULTS1		LOOP COST ANALYSIS TOOL				Bellcore	
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		TEST CASE: 1	
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		RUN DATE: 27-Jan-97		TIME: 14:28	
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN					
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 5608 FEET					
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	
CODE						LOOP	
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	
						\$0	

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A B C D E F G		C:\123R24\LCATR037\RESULTS1 OUTPUT - WORKSHEET D SHEET 5 of 10		LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				Belcore®	
		COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 2 FOMUX		LCAT Rel: 1.0.4		STUDY YR: 1996	
		CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		Issued: 7/31/95		TEST CASE: 1	
		STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN		RUN DATE: 27-Jan-97		TIME: 14:28	
		JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 5608 FEET					
0		Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							
1		PLANT NAME	FEEDER	DISTRIBUTION NETWORK		TOTAL	WEIGHTED		
2		SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	TOTAL	
3		EQPT						LOOP	
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
52									
53									
54									
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GC:\123R24\LCATR037\RESULTS1
OUTPUT - WORKSHEET D
SHEET 6 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARYBelcore[®]LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:28COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 3 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 5608 FEET

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

WEIGHTED

	PLANT NAME	SEG. NAME	FEEDER			DISTRIBUTION NETWORK	TOTAL LOOP	TOTAL LOOP
			PRIMARY	EXTENSION	SUB-			
	EQPT	CODE				INTERFACE		
0								
1								
2								
3								
4								
5	PLANT							
6	ITEM DESCRIPTION							
7	SHARED RESOURCES							
8	LAND	20C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
9	BUILDING	10C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
10	BLDG ENTRANCE CABLE	12C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
11	INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
12	AERIAL CABLE (COPPER)	22C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
13	BURIED CABLE (COPPER)	45C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
14	UNDERGROUND (CU) CA.	5C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
15	CO EQPT - LOW CAP TERM	257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
16	CO EQPT - LOW CAP CHAN	257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
17	CO EQPT - HI CAP TERM	857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
18	CO EQPT - HI CAP CHAN	857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
19	CO EQPT - ANALOG SW	77C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
20	CO EQPT - DIGITAL SW	377C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
21	AERIAL CABLE (FIBER)	822C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
22	BURIED CABLE (FIBER)	845C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
23	UNDERGROUND (FO) CA.	85C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
24	CONNECTORS	57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
25	MISC. COM EQP & PWR	57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
26	POLE LINE	1C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
27	CONDUIT	4C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
28								
29	DIRECT RESOURCES							
30	LAND	20C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
31	BUILDING	10C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
32	BLDG ENTRANCE CABLE	12C	\$ 0.00		\$ 0.00	\$ 2.45	\$ 2.45	\$ 2.45
33	INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
34	AERIAL CABLE (COPPER)	22C	\$ 0.00		\$ 2.31	\$ 2.55	\$ 4.86	\$ 4.86
35	BURIED CABLE (COPPER)	45C	\$ 0.00		\$ 0.16	\$ 2.61	\$ 2.77	\$ 2.77
36	UNDERGROUND (CU) CA.	5C	\$ 0.00		\$ 0.41	\$ 0.00	\$ 0.41	\$ 0.41
37	CO EQPT - LOW CAP TERM	257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
38	CO EQPT - LOW CAP CHAN	257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
39	CO EQPT - HI CAP TERM	857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
40	CO EQPT - HI CAP CHAN	857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
41	CO EQPT - ANALOG SW	77C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
42	CO EQPT - DIGITAL SW	377C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
43	AERIAL CABLE (FIBER)	822C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
44	BURIED CABLE (FIBER)	845C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
45	UNDERGROUND (FO) CA.	85C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
46	CONNECTORS	57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
47	MISC. COM EQP & PWR	57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
48	POLE LINE	1C	\$ 0.00		\$ 0.55	\$ 0.61	\$ 1.16	\$ 1.16
49	CONDUIT	4C	\$ 0.00		\$ 0.15	\$ 0.00	\$ 0.15	\$ 0.15
50								
51	SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 3.58	\$ 5.72	\$ 11.80	\$ 11.80
52								
53								
54								
55								

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GC:\123R24\LCATR037\RESULTS1
OUTPUT - WORKSHEET D
SHEET 7 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: 27-Jan-97
TIME: 14:28COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 4 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDA
TOTAL LOOP LENGTH: 5608 FEET

Circuit Design Mix: 0.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED

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

SPAN SUMMARY

\$0 \$0 \$0

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

Bellcore®

LCAT Rel: 1.0.4

Issued: 7/31/95

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 5 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 5608 FEETSTUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:28

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	INTERFACE	LOOP
	EQPT				
	CODE				
	PLANT				
	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
52					
53					
54					
55					

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C:\123R24\LCATR037\RESULTS1		LOOP COST ANALYSIS TOOL					Bellicore [®]	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY					LCAT Rel: 1.0.4	
SHEET 9 of 10		COMPANY: CINCINNATI BELL TEL					Issued: 7/31/95	
CITY / AREA: CINCINNATI		CIRCUIT DESIGN: 6 FOMUX					STUDY YR: 1998	
STATE / PROV: OHIO		LOOP SPAN DIVISION: ALL LOOP SPANS					TEST CASE: 1	
JOB IDENT: CINCINNATI		SERVICE CLASS: BAND 3 - BUSINESS ISDN					RUN DATE: 27-Jan-97	
		TOTAL LOOP LENGTH: 5608 FEET					TIME: 14:28	
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	LOOP	
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	
SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0	\$0	
						\$0	\$0	

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OUTPUT - WORKSHEET D
SHEET 10 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARYBellcore[®]LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:28COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: MEDED FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 5608 FEET

Technology Type Mix: [1.0000]

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

TECHNOLOGY

Technology Type Mix : 1.0000		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED TOTAL	
PLANT NAME	SEG. NAME	PRIMARY	FEEDER	SUB-	DISTRIBUTION NETWORK		TOTAL LOOP	TOTAL LOOP
PLANT	EQPT CODE				INTERFACE			
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	\$ 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	\$ 2.31	\$ 2.55	\$ 0.00	\$ 4.86	\$ 4.8600
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.16	\$ 2.61	\$ 0.00	\$ 2.77	\$ 2.7700
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.41	\$ 0.00	\$ 0.00	\$ 0.41	\$ 0.4100
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	\$ 0.55	\$ 0.00	\$ 0.00	\$ 1.16	\$ 1.1600
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.15	\$ 0.00	\$ 0.00	\$ 0.15	\$ 0.1500
SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 3.58	\$ 5.77	\$ 2.45	\$ 11.80	\$ 11.80

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123R24\LCATCALC\DIST

Bellcore (R)

RUN - DIST PLNT

LCAT

LAST UPDATE

LOOP COST ANALYSIS TOOL

Release: 1.0.4

27-Jan-97

Issued: 8/31/95

12:48

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 3 (OHIO ONLY) BUSINESS ISDN 0 - 18000 FEET INTRA

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
		ANN COST

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PROVIDED TO PUBLIC
...your run is finished

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C:\123R24\LCAT\CALC\ID:ST
DIST_PLNT - WORKSHEET A
Sheet 1 of 3

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-COLLOC)

SERVICE CLASS: BAND 3 - BUSINESS ISDN

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1999
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:23

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM	LENGTH	FROM	CABLE	(NOTE 4)	CABLE COMPONENTS		(NOTE 4)
		TABLE 2 - RELATIVE MIX OF TYPE OF CA. PLANT	SUBSET BY TYPE OF PLANT	TABLE 4 - CABLE INVESTMENT PER PAIR FOOT	INVESTMENT PER PAIR	WEIGHTED TERMINAL INVESTMENT	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR	WEIGHTED DROP WIRE INVESTMENT
[A]		[B]	[C=A*B]	[D]	[E=C*D]		[F=E*fcfr]	[F=E*fcfr]	
1095.0	AERIAL	0.580000	635.1	0.041800	26.55		0.00	0.00	
CONSIDERS:	BURIED	0.420000	459.9	0.068800	31.64		0.00	0.00	
MELDED									
COPPER	UNDERGRND	0.000000	0.0	0.000000	0.00		0.00	0.00	
CABLE									
Check =		1.000000	1095.0						
OUTSIDE PLANT LOADINGS (NOTE 4)									
DROP WIRE ADJUSTMENT:									
AERIAL CA. =	0.0000	AIR DRYER LOADINGS:							
BURIED CA. =	0.0000	AERIAL CA. =		0.0000					
UNDERGRND =	0.0000	BURIED CA. =		0.0000					
		UNDERGRND =		0.0000					
OTHER INVESTMENT									
		inv / unit lgth:		inv rtrn. fcfr:					
POLE LINE FACTOR (PLF) =		0.0000		0.2530					
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =		\$ 19.19							
UG CONDUIT FACTOR (UCF) =		0.0000		0.5165					
CONDUIT INVESTMENT (UTIL UNDGRND INVST x UCF) =		\$ 0.00							
FOOTNOTES									
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.									
NOTE 2: TABLE 4 & 6 DEVELOPMENT SHOWN ON WORKSHEET A.									
NOTE 3: DESIGN AT THIS DISTANCE HAS NO LOAD COILS; THEREFORE, TERMINAL INVESTMENT IS ZERO									
NOTE 4: BY FCC MANDATE, THIS INVESTMENT IS INCORPORATED INTO THE APPROPRIATE CABLE ACCOUNT (SEE BUILDING AND TERMINATING INVESTMENT WORKSHEET)									

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LOOP COST ANALYSIS TOOL												Bellcore (R)	
ACCOUNT INVESTMENT WORKSHEET												LCAT Release: 1.0.4	
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL												Issue Date: 8/31/95	
FACILITY TYPE: COPPER CABLE												STUDY YR: 1996	
CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC/NON-COLLOC)												TEST CASE: 1	
SERVICE CLASS: BAND 3 - BUSINESS ISDN												RUN DATE: 27-Jan-97	
TIME: 14:23													
COMPANY: CINCINNATI BELL TEL.													
CITY / AREA: CINCINNATI													
STATE / PROV: OHIO													
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED VARI	RESOURCE ALLOCATION	1996 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]			
LAND	20C	F	SHARED					1.0000					
BUILDING	10C	F	SHARED					1.0000					
BLDG ENTRANCE CABLE	12C	V	DIRECT					1.0000					
INTRABLDG CABLE	52C	V	DIRECT					0.3500					
AERIAL CABLE (COPPER)	22C	V	DIRECT	26.55	1		\$ 27	0.3500		\$ 76			
BURIED CABLE (COPPER)	45C	V	DIRECT	31.64	1		\$ 32	0.3500		\$ 90			
UNDERGROUND (CU) CA.	5C	V	DIRECT	0.00				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)	345C	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					0.0000					
POLE LINE	1C	F	DIRECT	19.19	1			1.0000		\$ 19			
CONDUIT	4C	F	DIRECT	0.00				1.0000					

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=====

\$0 \$185
\$185
distmty

FOOTNOTES

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

NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.

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

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

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

LOOP COST ANALYSIS TOOL
PROSPECTIVE AND ANNUAL COSTS WORKSHEET
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-COLLOC)
SERVICE CLASS: BAND 3 - BUSINESS ISDN

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:23

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

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			0.3922				
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 76	0.4033		\$ 30.59		\$ 2.55
BURIED CABLE (COPPER)	45C	1.0000		\$ 90	0.3467		\$ 31.34		\$ 2.61
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		\$ 19	0.3807		\$ 13		\$ 0.61
CONDUIT	4C	1.0000			0.2521				
distshrinv distdirinv ===== \$ 0 \$ 185 distinvsv \$ 185 distshrinv distdirinv ===== \$ 0.00 \$ 69.24 distshrinv \$ 69.24 distshrinv distdirinv ===== \$ 0.00 \$ 5.77 distshrinv \$ 5.77									

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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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CH123R24\LCAT\CALC\DIST		LOOP COST ANALYSIS TOOL		Belcore (R)	
DIST. PLNT - WORKSHEET B		BASIC INVESTMENT WORKSHEET		LCAT	
Sheet 1 of 3		FACILITY TYPE: COPPER CABLE		Release: 1.0.4	
COMPANY: CINCINNATI BELL TEL.		CIRCUIT SEGMENT: SERVICE ACCESS		STUDY YR: 1996	
CITY/AREA: CINCINNATI				TEST CASE: 1	
STATE/PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN		RUN DATE: 27-Jan-97	
				TIME: 14:23	
0					
1					
2					
3					
4					
5	TYPE OF PLANT	UNIT	PROB.	WEIGHTED	
6	ITEM	PLANT	OF	TERMINAL	
7		INVEST	OCCURANCE	INVESTMENT	
8		[A]	[B]	[C=A*B]	
9	INTRABLDG CABLE	\$ 0.00	0.0000	\$ 0.00	
10	BLDG ENTRANCE CABLE	\$ 75.00	1.0000	\$ 75.00	
11	AERIAL TERMINAL	\$ 0.00	0.0000	\$ 0.00	
12	BURIED TERMINAL	\$ 0.00	0.0000	\$ 0.00	
13	AERIAL DROP WIRE	\$ 0.00	0.0000	\$ 0.00	
14	BURIED DROP WIRE	\$ 0.00	0.0000	\$ 0.00	
15	COAXIAL DROP	\$ 0.00	0.0000	\$ 0.00	
16					
17					
18					
19					
20					
21					
22					
23					
24					
25	POLE LINE FACTOR (PLF) =	from length: 0.0000	from invest: 0.2530		
26	POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =	\$ 0.00			
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46	FOOTNOTES				
47	NOTE 1: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED.				
48	NOTE 2: THIS DATA IS USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN INVESTMENT AND MONTHLY COSTS				
49					
50					
51					
52					
53					
54					
55					

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LOOP COST ANALYSIS TOOL										Bellcore [®]	
ACCOUNT INVESTMENT WORKSHEET										LCAT	
COMPANY: CINCINNATI BELL TEL.										Release: 1.0.4	
CITY / AREA: CINCINNATI										STUDY YR: 1996	
STATE / PROV: OHIO										TEST CASE: 1	
FACILITY TYPE: COPPER CABLE										RUN DATE: 27-Jan-97	
CIRCUIT SEGMENT: SERVICE ACCESS										TIME: 14:23	
SERVICE CLASS: BAND 3 - BUSINESS ISDN											
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 SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]		
LAND	20C	F SHARED					1.0000				
BUILDING	10C	F SHARED					1.0000				
BLDG ENTRANCE CABLE	12C	V DIRECT	75.00	1		\$ 75	1.0000		\$ 75		
INTRABLDG CABLE	52C	V DIRECT	0.00				0.3500				
AERIAL CABLE (COPPER)	22C	V DIRECT	0.00				0.3500				
BURIED CABLE (COPPER)	45C	V DIRECT	0.00				0.3500				
UNDERGROUND (CU) CA.	5C	V DIRECT					0.3500				
CO EQPT - P GAIN TERM	257C	F DIRECT					0.7000				
CO EQPT - P GAIN CHAN	257C	V DIRECT					0.7000				
CO EQPT - FO MUX TERM	857C	F DIRECT					1.0000				
CO EQPT - FO MUX CHAN	857C	F DIRECT					1.0000				
CO EQPT - ANALOG SW	77C	V DIRECT					1.0000				
CO EQPT - DIGITAL SW	377C	V DIRECT					1.0000				
AERIAL CABLE (FIBER)	822C	F DIRECT					0.0000				
BURIED CABLE (FIBER)	845C	F DIRECT					0.0000				
UNDERGROUND (FO) CA.	85C	F DIRECT					0.0000				
CONNECTORS	57C	V DIRECT					1.0000				
MISC. COM EQP & PWR	57C	V SHARED					1.0000				
POLE LINE	1C	F DIRECT	0.00				1.0000				
CONDUIT	4C	F DIRECT					1.0000				
								\$ 0	\$ 75		
									\$ 75		
								bctmrv			

FOOTNOTES

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

NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.

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

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

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CA123R24\LCATCALC.DIST DIST PLNT - WORKSHEET B Sheet 3 of 3			LOOP COST ANALYSIS TOOL PROSPECTIVE AND ANNUAL COSTS WORKSHEET					Bellcore [®] LCAT Release: 1.0.4 STUDY YR: 1996 TEST CASE: 1 RUN DATE: 27-Jan-97 TIME: 14:23	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO			FACILITY TYPE: COPPER CABLE CIRCUIT SEGMENT: SERVICE ACCESS			SERVICE CLASS: BAND 3 - BUSINESS ISDN			
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			\$ 0	\$ 75		\$ 0.00	\$ 29.42	\$ 0.00	\$ 2.45
				\$ 75			\$ 29.42		\$ 2.45

bctshrinv bctdirinv
 bctinvsy bctmrc

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

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 3 - BUSINESS ISDN

Belcore (R)
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:23

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

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LOOP COST ANALYSIS TOOL										Bellcore [®]	
ACCOUNT INVESTMENT WORKSHEET										LCAT	
COMPANY: CINCINNATI BELL TEL.										Release: 1.0.4	
CITY / AREA: CINCINNATI										STUDY YR: 1996	
STATE / PROV: OHIO										TEST CASE: 1	
FACILITY TYPE: COPPER CABLE										RUN DATE: 27-Jan-97	
CIRCUIT SEGMENT: SERVICE ACCESS										TIME: 14:23	
SERVICE CLASS: BAND 3 - BUSINESS ISDN											
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE	1996 UNIT INVESTMENT BY ACCOUNT	COST EQUATION	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION	ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	SHARED RESOURCES	DIRECT RESOURCES	
				[F]	[G]	[H=F*G]	[J]	[K=H/J]	[L=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
										\$ 0	\$ 75
										bctmvy	
CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO											
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.D\S*		LOOP COST ANALYSIS TOOL				Bellcore®	
DIST. PLNT - REPORT 14A		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 3		FACILITY TYPE: COPPER CABLE				Issue Date: 8/31/95	
COMPANY: CINCINNATI BELL TEL.		CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-OLC, NON-COLLOC)				STUDY YR: 1998	
CITY / AREA: CINCINNATI		SERVICE CLASS: BAND 3 - BUSINESS ISDN				TEST CASE: 1	
STATE / PROV: OHIO						RUN DATE: 27-Jan-97	
						TIME: 14:23	
1998 UNIT MONTHLY RECURRING COST BY ACCOUNT		logic-14a		0		(See Note)	
PLANT ACCT		BAND MIX		1.0000		TOTAL	
CODE		AVG. LGTH.		5608		AVG. WEIGHTED	
SEG. LGTH.				1095.0		INVESTMENT	
PLANT ITEM						1095	

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							
27	LAND	20C					\$0.00
28	BUILDING	10C					\$0.00
29	BLDG ENTRANCE CABLE	12C					\$0.00
30	INTRABLDG CABLE	52C					\$0.00
31	AERIAL CABLE (COPPER)	22C		\$2.55			\$2.55
32	BURIED CABLE (COPPER)	45C		\$2.61			\$2.61
33	UNDERGROUND (CU) CA.	5C					\$0.00
34	CO EQPT - P GAIN TERM	257C					\$0.00
35	CO EQPT - P GAIN CHAN	257C					\$0.00
36	CO EQPT - FO MUX TERM	857C					\$0.00
37	CO EQPT - FO MUX CHAN	857C					\$0.00
38	CO EQPT - ANALOG SW	77C					\$0.00
39	CO EQPT - DIGITAL SW	377C					\$0.00
40	AERIAL CABLE (FIBER)	822C					\$0.00
41	BURIED CABLE (FIBER)	845C					\$0.00
42	UNDERGROUND (FO) CA.	85C					\$0.00
43	CONNECTORS	57C					\$0.00
44	MISC. COM EQP & PWR	57C					\$0.00
45	POLE LINE	1C		\$0.61			\$0.61
46	CONDUIT	4C					\$0.00
SPAN SUMMARY							
50	AVG. WTD. SPAN SUMMARY		\$5.77	\$0.00	\$0.00	\$0.00	\$0.00
51			\$5.77	\$0.00	\$0.00	\$0.00	\$0.00
52							
53	NOTE:	[sum(INV _{ACCT} BAND * MIX BAND ₁)]					\$5.77

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RUN - SUB PRI

Bellcore^(R)

LCAT

Release: 1.0.4

Issued: 7/31/95

LAST UPDATE

27-Jan-97

12:49

LOOP COST ANALYSIS TOOL**FEEDER SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY**

STUDY NAME: 1996 BAND 3 (OHIO ONLY) BUSINESS ISDN 01 18000 FEET INTRAS

CURRENT TEST PLAN : CURRENT JOB IDENT. CINCINNATI

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

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CA1123R24\LCATCALC\CUTCH		LOOP COST ANALYSIS TOOL						Bellcore®	
SUB PRI - WORKSHEET		BASIC INVESTMENT WORKSHEET						LCAT Release: 1.0.4	
Sheet 1 of 3		CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS						Issue Date: 7/31/95	
COMPANY: CINCINNATI BELL TEL.		FACILITY TYPE: COPPER CABLE						STUDY YR: 1996	
CITY / AREA: CINCINNATI		CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB-PRIMARY						TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN						RUN DATE: 27-Jan-97	
								TIME: 14:24	
SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2 RELATIVE MIX OF TYPE OF PLANT [B]	LENGTH SUBSET BY TYPE OF PLANT [C=A*B]	FROM TABLE 4 MLO CABLE DESIGN INVEST. PER PAIR FOOT [D]	CABLE INVESTMENT PER PAIR [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR [E*fcfr]	WEIGHTED DROP WIRE ADJUSTMENT PER PAIR [UI*DTC]
4513	AERIAL	0.810000	3655.53	0.011300	41.31		0.00	0.00	
MELDED GAUGE/S/	BURIED	0.040000	180.52	0.018900	3.41		0.00	0.00	
COPPER	UNDERGRND	0.150000	678.95	0.012000	8.12		0.00	0.00	
CABLE									
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 lgth: inv rltg fcfr: 27 POLE LINE FACTOR = 0.000000 0.253000 28 POLE LINE INVESTMENT = \$ 17.42 29 (UTIL AERIAL INVEST x PL) 30 31 UG CONDUIT FACTOR = 0.000000 0.516500 32 CONDUIT INVESTMENT = \$ 8.99 33 (UTIL UNDGRND INVEST x UC) 34 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									

MISC. COMMON EQPT. & POWER FACTOR = 0.112700

MCE&P INVESTMENT (CO CONN x FACTOR) = \$ 0.00

LAND FACTOR = 0.00560

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

BUILDING FACTOR = 0.13160

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

PERCENT OF CO CONN AT DIGITAL SWITCHES 100.0000

PERCENT OF CO CONN AT ANALOG SWITCHES 0.0000

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LOOP COST ANALYSIS TOOL										Bellcore (R)	
ACCOUNT INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS										Issue Date: 7/31/95	
FACILITY TYPE: COPPER CABLE										STUDY YR: 1995	
CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB-PRIMARY										TEST CASE: 1	
SERVICE CLASS: BAND 3 - BUSINESS ISDN										RUN DATE: 27-Jan-97	
										TIME: 14:24	
PLANT ITEM	PLANT ACCT CODE	FIXED VARI CAT.	RESOURCE ALLOCATION T	1995 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1995 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F'*G]	ADMIN. UTIL. LINE FEE [J]	1995 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]	
LAND	20C	F	SHARED	0.00				1.0000			
BUILDING	10C	F	SHARED	0.00				1.0000			
BLDG ENTRANCE CABLE	12C	V	DIRECT					1.0000			
INTRABLDG CABLE	52C	V	DIRECT					0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT	41.31	1		\$ 41	0.6000		\$ 69	
BURIED CABLE (COPPER)	45C	V	DIRECT	3.41	1		\$ 3	0.6000		\$ 6	
UNDERGROUND (CU) CA.	5C	V	DIRECT	8.12	1		\$ 8	0.6000		\$ 14	
CO EQPT - LOW CAP TERM	257C	F	DIRECT					0.7000			
CO EQPT - LOW CAP CHAN	257C	V	DIRECT					0.7000			
CO EQPT - HI CAP TERM	857C	F	DIRECT					1.0000			
CO EQPT - HI CAP CHAN	857C	F	DIRECT					1.0000			
CO EQPT - ANALOG SW	77C	V	DIRECT	0.00				1.0000			
CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00				1.0000			
AERIAL CABLE (FIBER)	822C	F	DIRECT					0.3300			
BURIED CABLE (FIBER)	845C	F	DIRECT					0.3300			
UNDERGROUND (FO) CA.	85C	F	DIRECT					0.3300			
CONNECTORS	57C	V	DIRECT					1.0000			
MISC. COM EQP & PWR	57C	V	SHARED	0.00				1.0000			
POLE LINE	1C	F	DIRECT	17.42	1		\$ 17	1.0000		\$ 17	
CONDUIT	4C	F	DIRECT	6.99	1		\$ 7	1.0000		\$ 7	
TOTALS								\$ 0		\$ 112	
										\$ 112	

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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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Q:\123R24\LCAT\CALC\CUTECH
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: WELDED GAUGE/S/ SUB-PRIMARY
SERVICE CLASS: BAND 3 - BUSINESS ISDN

Bellcore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1995
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:24

PLANT ITEM	PLANT ACCT CODE	1995 TO 1996 TPI [L]	1995 UNIT LOOP INVESTMENTS BY ACCOUNT		ANNUAL COST FACTOR [N]	1995 UNIT ANNUAL COSTS BY ACCOUNT		1995 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		\$ 69	0.4033		\$ 27.77		\$ 2.31
13 BURIED CABLE (COPPER)	45C	1.0000		\$ 6	0.3467		\$ 1.97		\$ 0.16
1 UNDERGROUND (CU) CA	5C	1.0000		\$ 14	0.3663		\$ 4.96		\$ 0.41
5 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. COM EQP & PWR	57C	1.0000			0.3881				
26 POLE LINE	1C	1.0000		\$ 17	0.3807		\$ 6.63		\$ 0.55
27 CONDUIT	4C	1.0000		\$ 7	0.2521		\$ 1.76		\$ 0.15
28									
29 SUBTOTALS			\$ 0	\$ 112		\$ 0.00	\$ 43.09	\$ 0.00	\$ 3.58
30									
31 TOTALS				\$ 112			\$ 43.09		\$ 3.58
32				culpinvsy			culpac		culpmrc
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47 FOOTNOTES									
48 NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.									
49 NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION.									
50									
51									
52									
53									
54									
55									

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C:\123R24\LCAT\CALC\CUTECH		LOOP COST ANALYSIS TOOL				Bellcore (R)	
SUB_PRI - REPORT 14		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release : 1.0.4	
Sheet 1 of 1		COMPANY: CINCINNATI BELL TEL				Issue Date : 7/31/95	
CITY / AREA: CINCINNATI		FACILITY SEGMENT : SUB-PRIMARY PLANT				STUDY YR: 1996	
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN				TEST CASE: 1	
						RUN DATE: 27-Jan-97	
						TIME: 14:24	
0		logic-14a				1996 UNIT MONTHLY RECURRING COST BY ACCOUNT	
1		BAND				(SEE NOTE)	
2		0				TOTAL	
3		1.0000				AVG. WEIGHTED	
4		5608					
5		4513				4513	
6		SHARED RESOURCES					
7		LAND 20C				\$ 0.00	
8		BUILDING 10C				\$ 0.00	
9		BLDG ENTRANCE CABLE 12C				\$ 0.00	
10		INTRABLDG CABLE 52C				\$ 0.00	
11		AERIAL CABLE (COPPER) 22C				\$ 0.00	
12		BURIED CABLE (COPPER) 45C				\$ 0.00	
13		UNDERGROUND (CU) CA. 5C				\$ 0.00	
14		CO EQPT - P GAIN TERM 257C				\$ 0.00	
15		CO EQPT - P GAIN CHAN 257C				\$ 0.00	
16		CO EQPT - FO MUX TERM 857C				\$ 0.00	
17		CO EQPT - FO MUX CHAN 857C				\$ 0.00	
18		CO EQPT - ANALOG SW 77C				\$ 0.00	
19		CO EQPT - DIGITAL SW 377C				\$ 0.00	
20		AERIAL CABLE (FIBER) 822C				\$ 0.00	
21		BURIED CABLE (FIBER) 845C				\$ 0.00	
22		UNDERGROUND (FO) CA. 85C				\$ 0.00	
23		CONNECTORS 57C				\$ 0.00	
24		MISC. COM EQP & PWR 57C				\$ 0.00	
25		POLE LINE 1C				\$ 0.00	
26		CONDUIT 4C				\$ 0.00	
27							
28		DIRECT RESOURCES					
29		LAND 20C				\$ 0.00	
30		BUILDING 10C				\$ 0.00	
31		BLDG ENTRANCE CABLE 12C				\$ 0.00	
32		INTRABLDG CABLE 52C				\$ 0.00	
33		AERIAL CABLE (COPPER) 22C				\$ 2.31	
34		BURIED CABLE (COPPER) 45C				\$ 0.16	
35		UNDERGROUND (CU) CA. 5C				\$ 0.41	
36		CO EQPT - P GAIN TERM 257C				\$ 0.00	
37		CO EQPT - P GAIN CHAN 257C				\$ 0.00	
38		CO EQPT - FO MUX TERM 857C				\$ 0.00	
39		CO EQPT - FO MUX CHAN 857C				\$ 0.00	
40		CO EQPT - ANALOG SW 77C				\$ 0.00	
41		CO EQPT - DIGITAL SW 377C				\$ 0.00	
42		AERIAL CABLE (FIBER) 822C				\$ 0.00	
43		BURIED CABLE (FIBER) 845C				\$ 0.00	
44		UNDERGROUND (FO) CA. 85C				\$ 0.00	
45		CONNECTORS 57C				\$ 0.00	
46		MISC. COM EQP & PWR 57C				\$ 0.00	
47		POLE LINE 1C 0.5				\$ 0.55	
48		CONDUIT 4C 0.1				\$ 0.15	
49							
50		SPAN SUMMARY				\$ 3.58 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 3.58	
51							
52		AVG. WTD. SPAN SUMMARY				\$ 3.58 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 3.58	
53							
54		NOTE: [sum(INV _{ACCT} ^{BAND} * MIX ^{BAND})]					
55							

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RUN - CDLC PLANT

LAST UPDATE

27-Jan-97

12:50

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 3 (OHIO ONLY) BUSINESS ISDN 0 - 18000 FEET INTRASTATE

CURRENT TEST PLAN: CURRENT JOB IDENT. CINCINNATI

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

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C:\123R24\LCATCALC\CUPRGN		LOOP COST ANALYSIS TOOL				Bellcore	
COLC PLANT - WORKSHEET 1		BASIC INVESTMENT WORKSHEET				LCAT Release : 1.0.4	
Sheet 1 of 3		CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY				Issue Date : 8/31/95	
COMPANY: CINCINNATI BELL TEL.		FACILITY TYPE: COPPER DIG LOOP CXR				STUDY YR : 1998	
CITY / AREA : OHIO		CIRCUIT DESIGN : 1 C				TEST CASE : 1	
STATE / PROV : CINCINNATI		SERVICE CLASS : HAND 3 - BUSINESS ISDN				DATE : 27-Jan-97	
						TIME : 02:25 PM	
5608 cur_lgth		= 0.125 pgfactor					
4513 cursldr-lgth							
SEGMENT LENGTH IN FEET		TYPE OF CABLE	RELATIVE VIX OF TYPE OF PLANT	EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT	MELDED INVEST. PER UNIT FOOT	CABLE INVESTMENT PER CHAN [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]
[A]		[B]	[C=A*B*I]	[D]			
CO TO RT LINK	AERIAL	0.810000	0.00	0.022800	\$ 0.00	\$ 0.00	
ON	BURIED	0.040000	0.00	0.037800	\$ 0.00	\$ 0.00	
COPPER CABLE DLC							
24.00 GA. FACILITIES	UNDERGRND	0.150000	0.00	0.024000	\$ 0.00	\$ 0.00	
		1.000000					
OUTSIDE PLANT LOADINGS (NOTE 5) :							
ADJUST. / LOAD FACTORS TO AERIAL PFI	DROP WIRE	NA	0.0000		EQUIPMENT INVESTMENT LOADINGS		
ADJUST. / LOAD FACTORS TO BURIED PFI	NA	0.0000			INVEST. PER CHAN. FOR DLC TERM (co conn) = \$ 0.00		
ADJUST. / LOAD FACTORS TO UGD PFI	NA	0.0000			MISC. COM. EQPT. & POWER FACTOR FOR DLC (rem) = 0.1127		
DLC EQUIPMENT INVEST. (NOTE 2) :					MISC. COM. EQPT. & POWER FACTOR FOR DLC (c.o.) = 0.1127		
INT DLC EQUIP INVEST. (CU COMUX) =	intdlcco	\$ 0.00	\$ 0.00		MCE&P INVEST. (CU REMMUX x MCEP) = \$ 55.25		
INT DLC EQUIP INVEST. (CU RTMUX) =	intdlcr	\$ 141.70	\$ 348.82		MCE&P INVEST. (CDLCMUX x MCEP) = \$ 45.20		
UNIV DLC EQUIP INVEST. (CU COMUX) =	unvdlcco	\$ 39.17	\$ 361.90		MCE&P INVEST. (CO CONN x MCEP) = \$ 0.00		
UNIV DLC EQUIP INVEST. (CU RTMUX) =	unvdlcr	\$ 141.70	\$ 348.82		OTHER INVESTMENT		
DLC EQUIP INVEST. (CU LINE) =	dllccol		\$ 0.00		LAND FACTOR FOR DLC (LANDf rem) = 0.0055		
					LAND FACTOR FOR DLC (LANDf c.o.) = 0.0055		
CONDUIT INVEST. FOR DLC CEV FACILITIES = conpgmvst		\$ 0.00			LAND INVST.(CU COMUX+MCEP) x LANDf = \$ 5.56		
OTHER INVESTMENT	invr / unit lgth	0.0000	0.2530		LAND INVST. ((CO CONN+MCEP) x LANDf) = \$ 0.00		
POLE LINE FACTOR (PLf) =		\$ 0.00			BUILDING FACTOR FOR DLC (BLDGf rem.) = 0.1316		
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) =		\$ 0.00			BUILDING FACTOR FOR DLC (BLDGf c.o.) = 0.1316		
UGD CONDUIT FACTOR (UCf) =		0.0000	0.5165		BLDG INVST.(CDLCMUX+MCEP) x BLDGf = \$ 130.56		
CONDUIT INVESTMENT (UTIL UNDGRD INVST x UCf) =		\$ 0.00			BLDG INVST. ((CO CONN+MCEP) x BLDGf) = \$ 0.00		
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 INTEGRATED DIGITAL INTFC 0.0000							
FOOTNOTES							
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.							
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.							
NOTE 3: TABLE 4 DEVELOPMENT IS SHOWN ON WORKSHEET B; FOR 4 WIRE SERVICES, TABLE 4 IS MULT BY 2.							
NOTE 4: THIS ADJUSTMENT MAY ONLY BE TAKEN AGAINST COPPER PLANT.							
NOTE 5: ALL DROP WIRE AND PREMISES CONN. INVEST. IS INCLUDED IN THE APPROPRIATE CABLE ACCOUNT ON THE BUILDING CABLE & TERMINATION WORKSHEET AND INCORPORATED INTO WORKSHEET E.							

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C:\123R24\LOCATCALC\COPRGN			LOOP COST ANALYSIS TOOL					Bellcore TM	
COLC PLANT - WORKSHEET: 1			ACCOUNT INVESTMENT WORKSHEET					LCAT Release: 1.0.4	
Sheet 2 of 3			CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY					Issue Date: 8/31/95	
COMPANY: CINCINNATI BELL TEL			FACILITY TYPE: COPPER DIG LOOP CXR					STUDY YR: 1996	
CITY / AREA : OHIO			CIRCUIT DESIGN: T/C					TEST CASE:	
STATE / PRD V: CINCINNATI			SERVICE CLASS: BAND 3 - BUSINESS ISDN					DATE: 27-Jan-97	
								TIME: 02:25 PM	
PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT	CIRCUIT QTY [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 [I'=F*G]		SHARED RESOURCES [K=H/J]
LAND	20C	F	SHARED	5.56	0			1.0000	
BUILDING	10C	F	SHARED	130.69	0			1.0000	
BLDG ENTRANCE CABLE	12C	---	---		0			1.0000	
INTRABLDG CABLE	52C	---	---		0			0.3500	
AERIAL CABLE (COPPER)	22C	V	DIRECT	0.00	0			0.6000	
BURIED CABLE (COPPER)	45C	V	DIRECT	0.00	0			0.6000	
UNDERGROUND (CU) CA.	5C	V	DIRECT	0.00	0			0.6000	
CO EQPT - P GAIN TERM	257C	F	DIRECT	236.15	0			0.7000	
CO EQPT - P GAIN CHAN	257C	V	DIRECT	710.72	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	45.20	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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----- \$0 -----

----- \$0 -----

----- \$0 -----

FEED11V

FOOTNOTES

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

NOTE 2: CO EQPT - CKT PG TERM = PG EQ INV TERM + MC&P INV

CO EQPT - CKT PG CHAN = PG EQ INV CHAN + ORB INV

CO EQPT - ANALOG/DIGITAL ESS = C.O. CONN INV + MC&P INV

C:\123R24\LCAT\CALC\CUPRGN		LOOP COST ANALYSIS TOOL					Bellicore 1.0		
CDLC PLANT - WORKSHEET 1		PROSPECTIVE AND ANNUAL COSTS WORKSHEET					LCAT Release: 1.0.4		
Sheet 3 of 3		CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET					Issue Date: 8/31/96		
COMPANY: CINCINNATI BELL TEL.		FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY					STUDY YR: 1996		
CITY / AREA: CHIO		FACILITY TYPE: COPPER DIG LOOP CRR					TEST CASE: 1		
STATE / PROV: CINCINNATI		CIRCUIT DESIGN: T1C					DATE: 27-Jan-97		
		SERVICE CLASS: BAND 3 - BUSINESS ISDN					TIME: 02:25 PM		
PLANT ITEM	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			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			\$ 0	\$ 0		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
			\$ 0			\$ 0.00		\$ 0.00	
			FEED1SY			FEED1ANA		FEED1MRC	

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PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PUCO

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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CA\123R2\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		COMPANY: CINCINNATI BELL TEL.				Issue Date: 8/31/95	
CITY / AREA: CINCINNATI		FACILITY SEGMENT: PRIMARY FEEDER SEGMENT				STUDY YR: 1995	
STATE / PROV: OHIO		CIRCUIT DESIGN: 1 COPPER DIG LOOP CXR				TEST CASE: 1	
		SERVICE CLASS: BAND 3 - BUSINESS ISDN				DATE: 27-Jan-97	
						TIME: 02:25 PM	
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT							
PLANT ITEM		BAND	PLANT	AVG	1.0000	(SEE NOTE)	
		CODE	AVG	5608	TOTAL		
		SEGLGTH	0	AVG. WEIGHTED		INVESTMENT	
SHARED RESOURCES							0
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	0.00	0.00	0.00
AVG. WTD. SPAN SUMMARY		0.00	0.00	0.00	0.00	0.00	0.00
NOTE: [sum(INV _{ACCT} * MIX _{WTD})]							

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C:\123R24\LCATCALC\FOPRGN

Bellcore (R)

RUN - FO MUX

LCAT

LAST UPDATE

LOOP COST ANALYSIS TOOL

Release: 1.0.4

27-Jan-97

Issued: 7/31/95

12:52

FEEDER SEGMENT COST MODEL - FIBER IN THE LOOP TECHNOLOGY

STUDY NAME: 1996 BAND 3 (OHIO ONLY) BUSINESS ISDN 0 - 18000 FEET INTRASTAT

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
		ANN COST

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LOOP COST ANALYSIS TOOL										Bellcore																																																			
BASIC INVESTMENT WORKSHEET										LCAT Rel: 1.0.4																																																			
FOR PRIMARY FEEDER PLANT										ISSUE DATE: 7/31/95																																																			
FACILITY TYPE: FIBER IN THE LOOP										STUDY YR: 1995																																																			
CIRCUIT DESIGN: 3 / FOMUX TO HUB / REM.										TEST CASE: 1																																																			
SERVICE CLASS: BAND 3 - BUSIN SERVICE LEVEL: NARBAND										LAST RUN: 27-Jan-97																																																			
										TIME: 1428																																																			
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO																																																													
from star_tbi: 4513 cur_sfdlength 0 cur_prlgth from bw_mix: 1979.04 wtdcqmnn f = 1																																																													
<table border="1"> <thead> <tr> <th>SEGMENT LENGTH IN FEET</th> <th>TYPE OF CABLE PLANT</th> <th>RELATIVE MIX OF CA. PLANT</th> <th>EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT</th> <th>MUX CABLE DESIGN INVEST. PER PAIR FOOT</th> <th>WEIGHTED EFFECTIVE LGTH CABLE INVESTMENT [E=C*D]</th> <th>WEIGHTED TERMINAL INVESTMENT [UI*DTC]</th> <th>AIR DRYER INVESTMENT PER PAIR [E*tdr]</th> <th>DROP WIRE ADJUSTMENT PER PAIR [E*tdr]</th> <th>WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>AERIAL</td> <td>0.810000</td> <td>0.00</td> <td>0.193000</td> <td>0.00</td> <td></td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td></td> <td>BURIED</td> <td>0.000000</td> <td>0.00</td> <td>0.000000</td> <td>0.00</td> <td></td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td></td> <td>UNDERGRND</td> <td>0.190000</td> <td>0.00</td> <td>0.222900</td> <td>0.00</td> <td></td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td colspan="10" style="text-align: center;">1.000000</td> </tr> </tbody> </table>												SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	RELATIVE MIX OF CA. PLANT	EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT	MUX CABLE DESIGN INVEST. PER PAIR FOOT	WEIGHTED EFFECTIVE LGTH CABLE INVESTMENT [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR [E*tdr]	DROP WIRE ADJUSTMENT PER PAIR [E*tdr]	WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]	0	AERIAL	0.810000	0.00	0.193000	0.00		0.00				BURIED	0.000000	0.00	0.000000	0.00		0.00				UNDERGRND	0.190000	0.00	0.222900	0.00		0.00			1.000000									
SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	RELATIVE MIX OF CA. PLANT	EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT	MUX CABLE DESIGN INVEST. PER PAIR FOOT	WEIGHTED EFFECTIVE LGTH CABLE INVESTMENT [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR [E*tdr]	DROP WIRE ADJUSTMENT PER PAIR [E*tdr]	WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]																																																				
0	AERIAL	0.810000	0.00	0.193000	0.00		0.00																																																						
	BURIED	0.000000	0.00	0.000000	0.00		0.00																																																						
	UNDERGRND	0.190000	0.00	0.222900	0.00		0.00																																																						
1.000000																																																													
CO TO HUB LINK ON FIBER OPTIC FACILITIES																																																													
EQUIPMENT INVESTMENT LOADINGS																																																													
INVST. PER CHAN. FOR CA TERM (CA CONN) = \$ 0.00 MISC. COM. EQPT. & POWER FACTOR (DLGrem) = 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 (DLGc.o.) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (OTHc.o.) = 0.1127 MCE&P INVST. (MUXc.o.+DLGc.o.) x MCEPfc.o.) = \$ 51.18 MCE&P INVST. (MUXrem+DLGrem) x MCEPfc.o.) = \$ 61.57 MCE&P INVST. (CA CONN x MCEPfc.o.) = \$ 0.00 MCE&P INVST. (CA CONN x MCEPfc.o.) = \$ 0.00 LAND FACTOR FOR MUX EQP (LANDfrem) = 0.0055 LAND FACTOR FOR MUX EQP (LANDfrem) = 0.0055 LAND FACTOR FOR OTH (LANDfrem) = 0.0055 LAND FACTOR FOR OTH (LANDfrem) = 0.0055 LAND FACTOR FOR MUX EQP (LANDfrem) = 0.0055 LAND FACTOR FOR OTH (LANDfrem) = 0.0055 LAND INVST. (DLG+MUX+MCEP) x LANDfrem = \$ 2.83 LAND INVST. (MUX+DLG+MCEP) x LANDfrem = \$ 3.40 BUILDING FACTOR FOR DLG EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR OTH (BLDGfrem) = 0.1316 BUILDING FACTOR FOR DLG EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR OTH (BLDGfrem) = 0.1316 BLDG INVST. (DLG+MUX+MCEP) x BLDGfrem = \$ 66.50 BLDG INVST. (MUX+DLG+MCEP) x BLDGfrem = \$ 80.00																																																													
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) TERM CHAN INT DLC EQUIP INVEST. (CU COMUX) = intdlcco \$ 0.00 \$ 0.00 INT DLC EQUIP INVEST. (CU RTMUX) = intdlcrt \$ 141.70 \$ 348.82 UNIV DLC EQUIP INVEST. (CU COMUX) = unvdlcco \$ 39.17 \$ 361.90 UNIV DLC EQUIP INVEST. (CU RTMUX) = unvdlcrt \$ 141.70 \$ 348.82 FIBER MUX EQUIP. INV. (FO COMUX) = hubmxcco \$ 3.88 \$ 49.18 FIBER MUX EQUIP. INV. (FO RTMUX) = hubmxort \$ 2.01 \$ 53.79																																																													
OTHER INVESTMENT POLE LINE FACTOR (PLf) = fpif 0.0000 0.1965 POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) = \$ 0.00 UNDERGROUND CONDUIT FACTOR (PLf) = fucf 0.0000 0.5232 CONDUIT INVESTMENT (UTIL UNDGRND INVST x UCf) = \$ 0.00																																																													
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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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: 1995	
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 3 - BU: SERVICE LEVEL: NARBAND										LAST RUN: 27-Jan-97	
										TIME: 14:26	
PLANT ITEM		PLANT ACCT CODE	1995 TO 1996 TPI	1995 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR	1995 UNIT ANNUAL COSTS BY ACCOUNT		1995 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]	
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 - 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				0.2689					
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	\$ 0		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
					\$ 0			\$ 0.00		\$ 0.00	
					feed3sy			feed3anm		feed3mrc	
FOOTNOTES											
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.											
NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION,											
HOWEVER, THIS COLUMN IS PRESENTED FOR CONSISTENCY OF FORMAT ONLY.											

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C:\123R24\LCATR037\CCSTMETH

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: 10:13

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

FOOTNOTES

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

C:\123R24\LCATR037\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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C:\123R24\LCATR037\COSTMETH

LOOP COST ANALYSIS TOOL

Bellcore (R)

TABLE - COST METH
SHEET 2 of 2COST METHODS ASSIGNMENT TABLE
FEEDER SEGMENT

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1996

TEST CASE: 1

LAST UPDATE: 29-Oct-96

TIME: 10:13

COMPANY: CINCINNATI BELL TEL.
STATE: OHIO

SWITCHED SERVICES

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

FOOTNOTES

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

C:\123R24\LCATR037\COSTMETH
TABLE - COST_METH
Sheet 2 of 2

HELP SCREEN**Belcore** (N)

LCAT Rel : 1.0.4

Issued : 07/31/95

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

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

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C:\123R24\LCAT\037\CRITERA		LOOP COST ANALYSIS TOOL		Bellcore (R)	
INPUT - STUDY SETUP		GENERAL STUDY REQUIREMENTS		TODAY IS: 17-Jan-97	
LCAT Rel.: 1.0.4				LAST UPDATE:	
Issue Date: 3/31/95				29-Oct-95 10:14 AM	
STUDY NAME		1996 BAND 3 (OHIO ONLY) BUSINESS ISDN 0 - 18000 FEET INTRASTATE			
COMMENTS					
SERVICE CLASS		BAND 3 - BUSINESS ISDN		x NETWORK	
COMPANY		CINCINNATI BELL TEL		INDIVIDUAL	
STATE / PROVINCE		OHIO		INVESTMENT YEAR	
CITY / AREA		CINCINNATI		LOOP CHAR. STUDY YEAR	
DENSITY CELL MIX		0 100 0 0		STUDY YEAR	
DIGITAL LOOP CARRIER		FACILITIES INCLUDED IN THE STUDY:		TEST CASE	
		Type Percent Mix:		1996	
		100 FIBER IN THE LOOP		1996	
		0 COPPER DIG LOOP CXR		1	

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C:\123R24\LCATR037\CRITERIA
INPUT - STUDY SETUP
Sheet 1 of 2

HELP SCREENBellcoreTM

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 *****
PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

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CAT: 23R24\LCATR037\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore (R)							
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 3 - BUSINESS ISDN		LCAT Rel. 1.0.4 ISSUED: 3/31/95 STUDY YEAR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:14 AM							
SELECTED QUESTIONS											
CONCERNING -- SERVICE SPEC.	1. Is this Study for a NEW Installation or an ADDITION ? 2. Is this Study for a SWITCHED or PRIVATE LINE Service ? 3. Is this Study for Narrow, Wide, or Broadband Services 4. Is this Study for 2 Wire or 4 Wire Transmission ?		VALID RESPONSE SET N or A S or P N, W or B 2 or 4	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">NEW</td></tr> <tr><td style="text-align: center;">SWITCHED</td></tr> <tr><td style="text-align: center;">NARBAND</td></tr> <tr><td style="text-align: center;">2</td></tr> </table>		NEW	SWITCHED	NARBAND	2		
NEW											
SWITCHED											
NARBAND											
2											
OFFICE CHAR.	5. What Percent of the C.O. Switch Installations are DIGITAL Switches? 6. What Percent of Loop Carrier Installations are INTEGRATED DLC's? 7. What Percent of Loop Carrier Cross-connects are Electronic DCS's? 8. Deploy Digital Loop Carrier (loop pair gain) exclusively at ?		0 → 100 0 → 100 0 → 100 e.g., 12000	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">100</td></tr> <tr><td style="text-align: center;">0</td></tr> <tr><td style="text-align: center;">10000</td></tr> <tr><td style="text-align: center;">Feet</td></tr> </table>		100	0	10000	Feet		
100											
0											
10000											
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.		For D 1, 2, 3, 4 5 For M 0 → 999	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">FLAT RATE</td></tr> <tr><td style="text-align: center;">0</td></tr> <tr><td style="text-align: center;">COST</td></tr> <tr><td style="text-align: center;">TOTAL</td></tr> <tr><td style="text-align: center;">1</td></tr> <tr><td style="text-align: center;">RATES PLAN</td></tr> </table>		FLAT RATE	0	COST	TOTAL	1	RATES PLAN
FLAT RATE											
0											
COST											
TOTAL											
1											
RATES PLAN											

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C:\123R24\LCATR037\CRITERIA

HELP SCREENBellcore[®]

INPUT - STUDY SETUP

LCAT Rel. 1.0.4

ISSUED: 3/31/95

1. Specify **N** for New Installations or **A** for Addition to existing installations are being studied.
2. Specify **S** for the Switched Services or **P** for the Private Line (Special) Service category.
3. Specify **N** for Narrowband (DS0), **W** for Wideband (DS1), or **B** for Broadband Services category.
4. Specify as **2** for 2-wire or **4** for 4-wire, the circuit transmission paths used by the service/s/ being studied.
5. Specify Digital Switch Mix as a Percentage of Installations over Analog in the Jurisdiction.
6. & 7. Specify Integrated DLC Mix as a Percentage of the DLC equipment requirements,
Using **6.** for Switched Services or Using **7.** for Special (Private Line) Services.
8. Enter in feet, the loop length beyond which only Digital Loop Carrier Technology will be considered
9. Specify **F** for Flat Rate Loop or **D** for Distance Sensitive Bands, for the Cost Structure of the study
- 9A. Enter **1**, **2**, **3**, or **4** to specify either 1/4, 1/2, 3/4, or 1 mile, respectively, band increments in a Distance Sensitive Study.
10. Specify the quantity of Cost Bands of Loop Lengths will be studied, for upto a maximum of 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.

PRESS <Enter> KEY TO RETURN TO THE MAIN MENU

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C:\123R24\LCATR037\DESIGN		LOOP COST ANALYSIS TOOL		Belcore
INPUT - LOOP DESIGN Sheet 1 / 1 COMPANY : CINCINNATI BELL TEL. CITY / AREA : CINCINNATI STATE / PROV : OHIO		CIRCUIT DESIGN REQUIREMENTS CHARACTERISTICS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - BUSINESS ISDN		LCAT Rel: 1.0.4 Issued : 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:15

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: <table style="width:100%;"> <tr><td>Weighting of Design #1</td><td style="text-align: right;">0.0000</td></tr> <tr><td>Weighting of Design #2</td><td style="text-align: right;">0.0000</td></tr> <tr><td>Weighting of Design #3</td><td style="text-align: right;">1.0000</td></tr> <tr><td>Weighting of Design #4</td><td style="text-align: right;">NA 0.0000</td></tr> <tr><td>Weighting of Design #5</td><td style="text-align: right;">NA 0.0000</td></tr> <tr><td>Weighting of Design #6</td><td style="text-align: right;">NA 0.0000</td></tr> <tr><td colspan="2" style="text-align: right;">1.0000 ChkSum</td></tr> </table> FOR COPPER PAB DESIGNS: <table style="width:100%;"> <tr><td>Weighting of Design #1</td><td style="text-align: right;">0.0000</td></tr> <tr><td>Weighting of Design #2</td><td style="text-align: right;">NA 0.0000</td></tr> <tr><td colspan="2" style="text-align: right;">0.0000 ChkSum</td></tr> </table> NA DENOTES THAT THE CIRCUIT DESIGN PROBABLY DOES NOT APPLY TO THIS SET OF STUDY PARAMETERS.	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		Weighting of Design #1	0.0000	Weighting of Design #2	NA 0.0000	0.0000 ChkSum	
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																					
Weighting of Design #1	0.0000																				
Weighting of Design #2	NA 0.0000																				
0.0000 ChkSum																					

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C:\123R24\LCATR037\DESIGN

HELP SCREEN

Bellcore

INPUT - LOOP_DESIGN

LCAT Rel :1.0.4

Sheet 1 of 1

Issued :07/31/95

**DIGITAL LOOP
CARRIER
DESIGNS**

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

COLLOCATIONS

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

**FIBER HUBS &
FEEDER
EXTENSIONS**

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

WARNING

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

**SERVICE
SPECIFIC**

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

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

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

C:\123R24\LCATR037\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore	
TABLE - SPAN INV SHEET 1 / 4		LOOP FACILITY INPUT FIBER CABLE DATA		LCAT Rel : 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 3 - BUSINESS ISDN		TEST CASE : 1	
				LAST UPDATE : 29-Oct-96	
				TIME : 10:17	
FIBER CABLE INVESTMENT AND CHARACTERISTICS					
CABLE TYPE MIX (DISTRIBUTION TO CODE) : Proportion of FIBER cable installations that are		FOR FEEDER	FOR DISTRIBUTION		
		SEGMENTS	SEGMENTS		
		AERIAL	0.8100	0.0000	factors
		BURIED	0.0000	0.0000	factors
		UNDGRD	0.1900	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	\$ 0.0000	per fiber pair Foot	
		UNDGRD	\$ 0.2229	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	\$ 0.0000	per fiber pair Foot
		BURIED	\$ 0.0000	\$ 0.0000	per fiber pair Foot
		UNDGRD	\$ 0.2229	\$ 0.0000	per fiber pair Foot
		(Remote Terminal to Service Point)			

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C:\123P24\LCATR037\FACILITY		LOOP COST ANALYSIS TOOL				Belcore	
TABLE - SPAN INV SHEET 1A / 4		LOOP FACILITY INPUT FIBER CABLE DATA - BY CABLE SHEATH DETAIL				LCAT Rpt: 1.0.4 Issued: 07/31/95	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE/PROV: OHIO		FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - BUSINESS ISDN				STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:17	
FIBER OPTIC CABLE INVESTMENT REFERENCE TABLE							
<u>Cable Sheath Sizes</u>		<u>CAPACITY</u>	Unit Investment per Cable Pair Foot, by Cable Type, by Cable Size				
		INDEX	<u>AERIAL</u>	<u>BURIED</u>	<u>UNDERGROUND</u>		
4	Fiber Cable	2 pr	\$		\$		\$
6	Fiber Cable	3 pr	\$		\$		\$
12	Fiber Cable	6 pr	\$		\$		\$
18	Fiber Cable	9 pr	\$		\$		\$
24	Fiber Cable	12 pr	\$		\$		\$
36	Fiber Cable	18 pr	\$		\$		\$
48	Fiber Cable	24 pr	\$		\$		\$
60	Fiber Cable	30 pr	\$		\$		\$
72	Fiber Cable	36 pr	\$		\$		\$
84	Fiber Cable	42 pr	\$		\$		\$
96	Fiber Cable	48 pr	\$		\$		\$
144	Fiber Cable	72 pr	\$		\$		\$
192	Fiber Cable	96 pr	\$		\$		\$
216	Fiber Cable	108 pr	\$		\$		\$

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C:\123R24\LCATR037 FACILITY
TABLE - SPAN_INV
SHEET 1 / 4

HELP SCREEN

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

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

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LOOP COST ANALYSIS TOOL				Bellcore [®]	
C:\123R24\LCATR037\FACILITY		LOOP FACILITY INPUT		LCAT Rel: 1.04	
TABLE - SPAN_INV		COPPER CABLE DATA		Issued: 07/31/95	
SHEET 2 / 4		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 3 - BUSINESS ISDN		TIME: 10:17	
COPPER CABLE CHARACTERISTICS AND INVESTMENTS					
Cable Gauge Mix: <u>GAUGE</u>		FEEDER SEGMENT	DISTRIBUTION SEGMENT	Unit Investment per Cable Pair Foot By Cable Type, By Cable Gauge:	
The Proportion of	26 GA.	0.1500	0.1500	Update Cable Sheath Prices [Required with INDIVIDUAL Mode] on the FULL SET Input SHEET? (Y/N) <u>N</u> If not, Update	
Copper Cable that is	24 GA.	0.8500	0.8500		
	22 GA.	0.0000	0.0000		
Cable Type Mix, By Gauge:					
The Proportion of		AERIAL	0.8100	0.5800	Average Unit Investment for Copper Cable Installed as
Copper Cable that is	26 GA.	BURIED	0.0400	0.4200	
		UNDGRND	0.1500	0.0000	
	24 GA.	AERIAL	0.8100	0.5800	
		BURIED	0.0400	0.4200	
		UNDGRND	0.1500	0.0000	
	22 GA.	AERIAL	0.0000	0.0000	
		BURIED	0.0000	0.0000	
		UNDGRND	0.0000	0.0000	
		AERIAL	0.0113	0.0418	
	26 GA.	BURIED	0.0189	0.0688	
		UNDGRND	0.0120	0.0000	
	24 GA.	AERIAL	0.0113	0.0418	
		BURIED	0.0189	0.0688	
		UNDGRND	0.0120	0.0000	
	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\LCATR037\FACILITY		LOOP COST ANALYSIS TOOL		Belcore
TABLE = SPAN_INV SHEET 2A / 4		LOOP FACILITY INPUT COPPER CABLE DATA - BY CABLE SHEATH DETAIL FOR		LCAT Rel: 1.0.4 Issued: 07/31/95
COMPANY: CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996		STUDY YR: 1996
CITY / AREA: CINCINNATI		LOOP STUDY YEAR: 1996		TEST CASE: 1
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN		LAST UPDATE: 29-Oct-96 TIME: 10:17

COPPER CABLE INVESTMENT REFERENCE TABLE

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

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

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C:\123R24\LCATR037\FACILITY
TABLE - SPAN_INV
SHEET 2 / 4

HELP SCREEN

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

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

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LCAT

INPUT SCREEN

Page -1-



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LCAT

INPUT SCREEN

Page -2-

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C:\123R24\LCATR037\FACILITY.WK1

LOOP COST ANALYSIS TOOL

Bellcore[®]SPAN INV - WORKSHEET
Sheet 1 / 3COPPER CABLE DISTRIBUTIONS MELDING
WORKSHEET ALCAT Ver: 1.0.4
Issue Date: 07/31/95
STUDY YR: 1996
TEST CASE: 1996
DATE: 1
LAST UPDATE: 29-Oct-96
TIME: 10:17COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIOFACILITY TYPE: COPPER CABLE
DESIGN TYPE: DISTRIBUTION SEGMENT

SERVICE CLASS: BAND 3 - BUSINESS ISDN

		MELDED CABLE INVESTMENT PER PAIR FOOT			
DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...dst)	PER FOOT INVESTMENT (pft..ds)	CABLE GAUGE MIX (copper...dst)	ADJUSTED CABLE TYPE	ADJUSTED PFI
CHARACTERISTICS FOR :		[A]	[B]	[C]	[D=A*C]
AERIAL @ 26 GA.	0.580000	\$ 0.041800	0.1500	0.087000	\$ 0.006270
BURIED @ 26 GA.	0.420000	\$ 0.068800	0.1500	0.063000	\$ 0.010320
UNDGRND @ 26 GA.	0.000000	\$ 0.000000	0.1500	0.000000	\$ 0.000000
AERIAL @ 24 GA.	0.580000	\$ 0.041800	0.8500	0.493000	\$ 0.035530
BURIED @ 24 GA.	0.420000	\$ 0.068800	0.8500	0.357000	\$ 0.058480
UNDGRND @ 24 GA.	0.000000	\$ 0.000000	0.8500	0.000000	\$ 0.000000
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 :		
AERIAL		[F=sum(D*TYPE)]
BURIED		0.580000
UNDERGRND		0.420000
		0.000000

Check = 1.000000

FOOTNOTES

--- TABLE 4 ---

PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES
[G=sum(E*TYPE)]	
	\$ 0.041800
	\$ 0.068800
	\$ 0.000000

[G=sum(E*TYPE)]
\$ 0.041800
\$ 0.068800
\$ 0.000000

Check =

--- TABLE 6 ---

PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES
[H=F*TYPE*sum(F*TYPE)]	
	\$ 0.006270
	\$ 0.010320
	\$ 0.000000

[H=F*TYPE*sum(F*TYPE)]
\$ 0.006270
\$ 0.010320
\$ 0.000000

Check = 1.000000

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C:\123R24\LCATR037\FACILITY.WK1		LOOP COST ANALYSIS TOOL			Bellcore[®]	
SPAN INV - WORKSHEET Sheet 2 / 3		COPPER CABLE DISTRIBUTIONS WELDING WORKSHEET A FOR			LCAT Ver: 1.0.4 Issue Date: 07/31/95	
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 3 - BUSINESS ISDN			DATE: 1	
					LAST UPDATE: 29-Oct-96	
					TIME: 10:17	
MELDED CABLE INVESTMENT PER PAIR FOOT						
DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...tdr)	PER FOOT INVESTMENT (pfl...td)	CABLE GAUGE MIX (copper...tdr)	ADJUSTED CABLE TYPE	ADJUSTED PFI	
CHARACTERISTICS FOR:		[A]	[B]	[C]	[D=A*C]	[E=B*C]
AERIAL @ 26 GA.	0.810000	\$ 0.011300	0.1500	0.121500	\$ 0.001695	
BURIED @ 26 GA.	0.040000	\$ 0.018900	0.1500	0.006000	\$ 0.002835	
UNDGRND @ 26 GA.	0.150000	\$ 0.012000	0.1500	0.022500	\$ 0.001800	
AERIAL @ 24 GA.	0.810000	\$ 0.011300	0.8500	0.688500	\$ 0.009605	
BURIED @ 24 GA.	0.040000	\$ 0.018900	0.8500	0.034000	\$ 0.016055	
UNDGRND @ 24 GA.	0.150000	\$ 0.012000	0.8500	0.127500	\$ 0.010200	
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	
CHARACTERISTICS FOR:		[F=sum(D*Type)]			[H=F*Type / sum(F*Type)]	
AERIAL		0.810000	[G=sum(E*Type)]		\$ 0.882941	
BURIED		0.040000	\$ 0.011300		\$ 0.047059	
UNDERGRND		0.150000	\$ 0.018900			
			\$ 0.012000			
		Check = 1.000000			Check = 1.000000	
FOOTNOTES						

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C:\123R24\LCATR037\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore (P)
TABLE - SPAN_INV SHEET 3 / 4 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT COPPER PAIR GAIN CABLE DATA FOR INVESTMENT YEAR : 1996 LOOP STUDY YEAR : 1996 SERVICE CLASS : BAND 3 - BUSINESS ISDN		LCAT Rel: 1.04 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:17
<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 :			
	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 Pairs would be the Sum of the Pairs divided by the Working Channels Or $(10 + 2) / 96 = 0.125$. When applied to segment length it becomes the Effective Length per Pair.				

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C:\123R24\LCATR037\FACILITY
TABLE - SPAN_INV
SHEET 3 / 4

HELP SCREENBellcore[®]

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 : $pgfactor = (\# \text{ of } xmsnpr + \# \text{ of } suptpr) / vgcheqv$

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CA123R24\LCATR037\FACILITY.WK1		LOOP COST ANALYSIS TOOL		Belcore (R)
SPAN INV - WORKSHEET Sheet 3 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET B		LCAT Rel: 1.0.4 Issue Date: 07/31/95
FOR FACILITY TYPE: COPPER CABLE for DLC DESIGN TYPE: FEEDER SEGMENT		STUDY YR: 1995 TEST CASE: 1995 DATE: 1 LAST UPDATE: 29-Oct-95 TIME: 10:17		
COMPANY: CINCINNATI BELL TEL. CITY/AREA: OHIO STATE/PROV: CINCINNATI		SERVICE CLASS: BAND 3 - BUSINESS ISDN		
INVESTMENT DEVELOPMENT FOR:		MELDED CABLE INVESTMENT PER PAIR FOOT LINE REPEATER EQUIPMENT		
DESCRIPTION	REPEATER SPACING	UNIT REPEATER INVESTMENT	REPEATER INVEST. PER FOOT	
	[A]	[B]	[C=B/A]	
LINE REPEATER AT 26 GA.	3500	\$ 0	\$ 0.000000	
LINE REPEATER AT 24 GA.	4500	\$ 0	\$ 0.000000	
LINE REPEATER AT 22 GA.	5500	\$ 0	\$ 0.000000	
TABLE 4 DEVELOPMENT FOR:		COPPER CABLE UNIT INVESTMENT		
ADJUSTED PAIR / FOOT INVESTMENT	PAIR / FOOT INVESTMENT	REPEATER BY GAUGE	WORKING CHANNEL INVESTMENT / FOOT	WORKING CHANNEL INVESTMENT / FOOT
DESCRIPTION	2 * (PF1000) [D]	BY GAUGE [E=C]	(ADLCPF1000) [F=D+E]	(ADLCPF1000) [G=D+F]
AERIAL @ 26 GA.	\$ 0.022600	\$ 0.000000	\$ 0.022600	\$ 0.022600
BURIED @ 26 GA.	\$ 0.037800	\$ 0.000000	\$ 0.037800	\$ 0.037800
UNDGRND @ 26 GA.	\$ 0.024000	\$ 0.000000	\$ 0.024000	\$ 0.024000
AERIAL @ 24 GA.	\$ 0.022600	\$ 0.000000	\$ 0.022600	\$ 0.022600
BURIED @ 24 GA.	\$ 0.037800	\$ 0.000000	\$ 0.037800	\$ 0.037800
UNDGRND @ 24 GA.	\$ 0.024000	\$ 0.000000	\$ 0.024000	\$ 0.024000
AERIAL @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000
BURIED @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000
UNDGRND @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000
NOTES: ① The Facility Table Investments are for each Cable Pair Foot, DLC Systems are 4 wire.				

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C:\123R24\LCAT\RC37\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 3 - BUSINESS ISDN		LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:17							
SERVICE ACCESS CHARACTERISTICS AND INVESTMENTS											
AVERAGE UNIT MIX :		AVERAGE UNIT INVESTMENT :									
The Average Number of Terminals in the Service Access Segment of a Loop -											
Proportion of Loops that use.....	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>Aerial</td> <td style="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 border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>Aerial Termination</td> <td style="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 border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>Aerial Wire Drops</td> <td style="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. for DW investment ? (Y/N)	N
Aerial Wire Drops	0.0000										
Buried Wire Drops	0.0000										
Bldg Entrance Cable	1.0000										
Aerial Coax/Wire Drops	0.0000										
		Per Unit Installation.....	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>Aerial Wire Drops</td> <td style="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	\$ 0.00										
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	0.0000	Per Instn for a Intrabuilding Network Cable Pair	\$ 0.00								

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ALCATR037\FACILITY
SPAN_INV
'4

HELP SCREEN

Bellcore[®]
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\LCATR037\FACTORS		LOOP COST ANALYSIS TOOL		Belcore
TABLE - FACTORS SHEET 1 / 1		INVESTMENT RELATED FACTOR TABLES FOR ANNUALIZATION FACTORS		LCAT Rel : 1.0.4
COMPANY : CINCINNATI BELL TEL.		INVESTMENT YEAR : 1996	STUDY YEAR: 1996	Issued : 3/31/95
CITY / AREA : CINCINNATI	STATE / PROV : OHIO	SERVICE CLASS: BAND 3 - BUSINESS ISDN		STUDY YR : 1996
				TEST CASE : 1
				LAST UPDATE : 17-Jan-97
				TIME : 15:22

plant list	PRICE INDEX	ANNUAL COST
LAND	1.0000	0.2922
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	0.2983
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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CA123R24\LCATR037\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 3 - BUSINESS ISDN				LAST UPDATE: 29-Oct-96 10:19	
EQUIPMENT INVESTMENT (Including Engineer, Furnish, & Install Costs)							
						CENTRAL OFFICE	
						LINE	CHANNEL
						TERMINAL	
						REMOTE LOCATION	
						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	\$ 361.90
For an Integrated DLC Equipment Arrangement						\$ 0.00	\$ 0.00
						\$ 39.17	\$ 348.82
						\$ 141.70	
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL :							
1. For a Hub with nonFiber Extensions or nonHub Arrangement						\$ 49.18	\$ 3.88
2. For a Hub with Fiber Extensions or a Fiber Ended Arrangement						\$ 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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C:\123R24\LCATR037\INVEST.WK1

TABLE - EQUIP_INV

HELP INFORMATION

BellcoreTM

LCAT Rel : 1.0.4

Issued : 07/31/95

LCAT Commands Description

This Command will allow the User -

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

Line Items Description

This Equipment Item Represents -

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

COE Field Item 1	FITL/CDLC Hub Extension or FITL non-Hubbing Arrangements, CO End Equip.	See Circuit Designs : 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 *****
 *****PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION*****

PRESS <ENTER> KEY TO RETURN TO THE MAIN MENU

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C:\123R24\LCATR037\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 3 - BUSINESS ISDN		LCAT Ref: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:20
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. 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.

CONFIDENTIAL
NOTICE MUST BE GIVEN
PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PUCO

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

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

C:\123R24\LCATR037\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 3 - BUSINESS ISDN		LCAT Ref: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:20																																																																	
SEGMENT DISTRIBUTION FEEDER POLE LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">②</th> <th style="text-align: center;">use DEFAULT</th> </tr> </thead> <tbody> <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> </tbody> </table> CONDUIT LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">0.5165</th> <th style="text-align: center;">0.5165</th> </tr> </thead> <tbody> <tr> <td>Copper Cable Conduit Investment Factor</td> <td></td> <td></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: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>The Cable PFI is being Adjusted for DW ?</th> <th style="text-align: center;">NO</th> </tr> </thead> <tbody> <tr> <td>Aerial Cable</td> <td></td> </tr> <tr> <td>Buried Cable</td> <td></td> </tr> <tr> <td>Underground Cable</td> <td></td> </tr> </tbody> </table> use DEFAULT ① ② for: CENT. OFC. REMOTE SITE LAND LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Other or ALL ①</th> <th style="text-align: center;">0.0056</th> <th style="text-align: center;">0.0056</th> </tr> </thead> <tbody> <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> </tbody> </table> BUILDING LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Other or ALL ①</th> <th style="text-align: center;">0.1316</th> <th style="text-align: center;">0.1316</th> </tr> </thead> <tbody> <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> </tbody> </table> MISC. EQUIPMENT & POWER LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Other or ALL ①</th> <th style="text-align: center;">0.1127</th> <th style="text-align: center;">0.1127</th> </tr> </thead> <tbody> <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> </tbody> </table>						②	use DEFAULT	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				0.5165	0.5165	Copper Cable Conduit Investment Factor			Copper Cable Conduit Unit Investment			Fiber Cable Conduit Investment Factor	0.5232	0.5232	Fiber Cable Conduit Unit Investment			The Cable PFI is being Adjusted for DW ?	NO	Aerial Cable		Buried Cable		Underground Cable		Other or ALL ①	0.0056	0.0056	Digital Loop Carrier	0.0056	0.0056	Fiber Optic Mux	0.0056	0.0056	Other or ALL ①	0.1316	0.1316	Digital Loop Carrier	0.1316	0.1316	Fiber Optic Mux	0.1316	0.1316	Other or ALL ①	0.1127	0.1127	Digital Loop Carrier	0.1127	0.1127	Fiber Optic Mux	0.1127	0.1127
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TABLE - ADDNL_INV
Sheet 2 of 2

HELP SCREEN**Belcore** (R)

LCAT Rel : 1.0.4
Issued : 3/31/95

Copper Cable Pole Investment Factor	cpiff	_dst	_fdr	Based on aerial copper cable investment relationship to pole
Copper Cable Pole Unit Investment	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

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C:\123R24\LCATR037 SPAN		LOOP COST ANALYSIS TOOL		Bellcore (R)							
INPUT - PLANT CHAR. Sheet 1 / 5		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS		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 3 - BUSINESS ISDN		STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:24							
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY											
LOOP TOPOLOGY Loop FEEDER Network Configuration Is (S)tar Or (R)ing Average Number Of Hubs In Each Ring Loop DISTRIBUTION Network Configuration Is (S)tar or (B)us		ACTION SEGMENT									
SPAN LENGTHS ① Average Distance From the Central Office to the Service Access Point ② Average Distance From the Serving Area Interface to the Service Access Point ③ Average Distance From the Remote Terminal to the Serving Area Interface ④ Average Distance From the Central Office to the Fiber Hub or S.A.I. ⑤ Average Distance From the Fiber Hub to the Remote Terminal		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>PRIMARY</td><td>STAR</td></tr> <tr><td>PRIMARY</td><td>NA</td></tr> <tr><td>DISTRIBUTION</td><td>STAR</td></tr> </table>		PRIMARY	STAR	PRIMARY	NA	DISTRIBUTION	STAR		
		PRIMARY	STAR								
PRIMARY	NA										
DISTRIBUTION	STAR										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TOTAL LOOP</td><td>5608.0</td></tr> <tr><td>DISTRIBUTION</td><td>1095.0</td></tr> <tr><td>SUB-PRIMARY</td><td>300.0</td></tr> <tr><td>PRIMARY</td><td>4213.0</td></tr> <tr><td>PRIMARY-EXTENSION</td><td></td></tr> </table>		TOTAL LOOP	5608.0	DISTRIBUTION	1095.0	SUB-PRIMARY	300.0	PRIMARY	4213.0	PRIMARY-EXTENSION	
TOTAL LOOP	5608.0										
DISTRIBUTION	1095.0										
SUB-PRIMARY	300.0										
PRIMARY	4213.0										
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 5608.0		LAST 1.0000 1.0000 Hint									

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C:\123R24\LCATR037\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]
INPUT - PLANT_CHAR. Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS FOR INVESTMENT YEAR : 1996 LOOP STUDY YEAR : 1996 SERVICE CLASS : BAND 3 - BUSINESS ISDN		LCAT Rel : 1.0.4 Issued : 07/31/95 STUDY YR : 1996 TEST CASE : 1 LAST UPDATE : 29-Oct-96 TIME : 10:24
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY				
LOOP LENGTH ① 5608 FEET FEEDER ③ DROP DISTRIBUTION ② SUB-PRIMARY ④ EXTENSION ⑤ PRIMARY ⑥ 1095 FEET 4513 FEET ON FIBER DISTRIBUTION REMOTE TERMINAL (LOOP MULTIPLEX INTERFACE) REMOTE NODE (LOOP TRANSFER) FIBER HUB NETWORK INTERFACE SERVICE ACCESS POINT SERVING AREA INTERFACE END OFFICE				

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CA123R24\LCATR037\SPAN	LOOP COST ANALYSIS TOOL	Bellcore^(R)
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 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 (R)
CA1123R24\LCATR037\SPAN		LCAT R03: T.0.4
INPUT = FLAT_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*****		
PRESS 'ENTER' TO RETURN TO THE MAIN MENU		

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C:\123R24\LCATR037\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 3 - BUSINESS ISDN				LAST UPDATE: 29-Oct-95	
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET B					
EFFECTIVE CHANNEL LENGTH BY CABLE PAIR FOOT [A] = [E] WKSH A / [F] WKSH C CUMULATIVE INVESTMENT BY CABLE CHANNEL FOOT [B] = [A] * [C] * UNIT INV FACILITY WKSH B							
CAPACITY		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
For these sizes ...	[C]	idx	[A]	[B]	[A]	[B]	[A]
4 FIBER CABLE	2 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
6 FIBER CABLE	3 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
12 FIBER CABLE	6 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
18 FIBER CABLE	9 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
24 FIBER CABLE	12 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
36 FIBER CABLE	18 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
48 FIBER CABLE	24 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
60 FIBER CABLE	30 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
72 FIBER CABLE	36 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
84 FIBER CABLE	42 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
96 FIBER CABLE	48 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
144 FIBER CABLE	72 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
192 FIBER CABLE	96 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
216 FIBER CABLE	108 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
SUBTOTAL			\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

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C:\123R24\LCATR037\SPAN		LOOP COST ANALYSIS TOOL						Belcore		
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 3 - BUSINESS						LAST UPDATE: 29-Oct-96		
TIME: 10:24										
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									
600 COPPER CABLE	300 pr									
800 COPPER CABLE	400 pr									
1200 COPPER CABLE	600 pr									
1800 COPPER CABLE	900 pr									
2400 COPPER CABLE	1200 pr									
3000 COPPER CABLE	1500 pr									
3600 COPPER CABLE	1800 pr									
4200 COPPER CABLE	2100 pr									
4800 COPPER CABLE	2400 pr									
5400 COPPER CABLE	2700 pr									
6000 COPPER CABLE	3000 pr									
7200 COPPER CABLE	3600 pr									
8400 COPPER CABLE	4200 pr									
SUB TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS				0.0			0.0			0.0

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CA123R24\LCATR037\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: 10:24			
NETWORK CIRCUIT LAYOUT STUDIES		SERVICE CLASS: BAND 3 - BUSINESS						WORKSHEET B			
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
	idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00		
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00

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C:\123R24\LCATR037\SPAN		LOOP COST ANALYSIS TOOL						Bellcore		
INPUT - PLANT CHAR.		LOOP FACILITY INPUT						LCAT Rel: 1.0.4		
Sheet 4a / 5		COPPER CABLE SPAN CHARACTERISTICS FOR THE DISTRIBUTION LAYER						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 3 - BUSINESS						LAST UPDATE: 29-Oct-96		
		TIME: 10:24								
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET A								
		CUMULATIVE LENGTHS BY CABLE PAIR FOOT								
CABLE SHEATH SIZES		26 GA.			24 GA.			22 GA.		
	CAPACITY IGX	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr									
50 COPPER CABLE	25 pr									
80 COPPER CABLE	40 pr									
100 COPPER CABLE	50 pr									
140 COPPER CABLE	70 pr									
200 COPPER CABLE	100 pr									
400 COPPER CABLE	200 pr									
600 COPPER CABLE	300 pr									
800 COPPER CABLE	400 pr									
1200 COPPER CABLE	600 pr									
1800 COPPER CABLE	900 pr									
2400 COPPER CABLE	1200 pr									
3000 COPPER CABLE	1500 pr									
3600 COPPER CABLE	1800 pr									
4200 COPPER CABLE	2100 pr									
4800 COPPER CABLE	2400 pr									0.0
5400 COPPER CABLE	2700 pr									distacpr
6000 COPPER CABLE	3000 pr									0.0
7200 COPPER CABLE	3600 pr									distbcpr
8400 COPPER CABLE	4200 pr									0.0
SUB TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS				0.0			0.0			0.0

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C:\123R24\LCATR037\SPAN		LOOP COST ANALYSIS TOOL						Bellcore		
PLANT CHAR - WORKSHEET 4B Sheet 4b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE DISTRIBUTION LAYER						LCAT Rev: 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: 10:24		
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET B						SERVICE CLASS: BAND 3 - BUSINESS		
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT										
CABLE SHEATH SIZES		26 GA.			24 GA.			22 GA.		
CAPACITY idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL		0.00			0.00			0.00		
BURIED CABLE SUBTOTAL			0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL				0.00			0.00			0.00

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LOOP COST ANALYSIS TOOL										Bellcore®																																																																																																																										
INPUT - PLANT_CHAR. Sheet 5 / 5										LOOP FACILITY INPUT DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX FOR		LCAT Ref: 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 3 - BUSINESS ISDN				STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 1024																																																																																																																												
FIBER BANDWIDTH TRANSMISSION FLOW IS: ☒ UNIDIRECTIONAL ☐ BIDIRECTIONAL																																																																																																																																				
										LEVEL OF SERVICE: NARBAND																																																																																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">BITRATE INDEX</th> <th style="width: 10%;">1</th> <th style="width: 10%;">2</th> <th style="width: 10%;">3</th> <th style="width: 10%;">4</th> <th style="width: 10%;">5</th> <th style="width: 10%;">6</th> <th style="width: 10%;">7</th> <th style="width: 10%;">SERVICE LEVEL</th> <th style="width: 10%;">PROTECTION</th> <th style="width: 10%;">WEIGHTED EQUIVALENT CHANNELS</th> </tr> </thead> <tbody> <tr> <td>FIBER BANDWIDTH</td> <td>45 Mbps</td> <td>90 Mbps</td> <td>155 Mbps</td> <td>180 Mbps</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MUX DS3 MULTIPLIER</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>VOICE GRADE CHANNELS</td> <td>672</td> <td>1344</td> <td>2016</td> <td>2688</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8"></td> <td>MULTIPLE [SLM]</td> <td>n:1 [E]</td> <td>PER FO PAR [F]</td> </tr> <tr> <td>FEEDER - PRIMARY</td> <td>0.0000</td> <td>0.1370</td> <td>0.7810</td> <td>0.0820</td> <td>0.0000</td> <td>0.0000</td> <td>0.0000</td> <td>2</td> <td>1</td> <td>1979.04</td> </tr> <tr> <td>FEEDER - EXTENSION</td> <td>0.0000</td> <td>0.1370</td> <td>0.7810</td> <td>0.0820</td> <td>0.0000</td> <td>0.0000</td> <td>0.0000</td> <td>2</td> <td>1</td> <td>1979.04</td> </tr> <tr><td colspan="11"></td></tr> <tr><td colspan="11"></td></tr> <tr><td colspan="11"></td></tr> <tr><td colspan="11"></td></tr> </tbody> </table>												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 PAR [F]	FEEDER - PRIMARY	0.0000	0.1370	0.7810	0.0820	0.0000	0.0000	0.0000	2	1	1979.04	FEEDER - EXTENSION	0.0000	0.1370	0.7810	0.0820	0.0000	0.0000	0.0000	2	1	1979.04																																												
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																																																																																																																													
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FEEDER - EXTENSION	0.0000	0.1370	0.7810	0.0820	0.0000	0.0000	0.0000	2	1	1979.04																																																																																																																										
FOOTNOTES 1 Where Service Level Multiple EQUALS (1 for NARBAND, 28 for WIDEBAND, 672 for BROADBAND) TIMES (2 for Unidirectional and 1 for Bidirectional). 2 Where Wtd Eqv Chan per FO Pr [F] EQUALS (The Avg Wtd VGE for BR1 -> 7) DIVIDED BY (The [SLM] TIMES (1 PLUS 1 OVER PROT [E])																																																																																																																																				

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PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1

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

WORKSHEET DS

LCAT Rel: 1.0.4
Issued: 07/31/95
STUDY YR: 1996
TEST CASE: 1
LAST UPDATE: 29-Oct-96
TIME: 10:24

DIGITAL SIGNAL TABLE (digsig.tbl)						
SELECT	MODE	HIERARCHY	BNDVDT	DS1MULT	DS3MULT	VGE
0						
1						
2	MODE3	DS1	1.5 Mbps	1	0.04	24 BIDIR, 2WCU CA
3		DS1	1.5 Mbps	1	0.04	24 UNDIR, 4WCU CA
4		V1	1.5 Mbps	1	0.04	24 UNDIR, FIBER
5		V1	2 Mbps	1	0	UNDIR, FIBER
6		ET	2 Mbps	1	0.06	30 BIDIR, 2WCU CA
7	MODE1	DS1C	3.2 Mbps	NA		48 BIDIR, 2WCU CA
8	MODE2	DS1C	3.2 Mbps	2	0.07	48 BIDIR, 2WCU CA
9		V1	3.2 Mbps	2	0.07	56 UNDIR, FIBER
10			4 Mbps	2	0	80
11		DS2	6.3 Mbps	4	0.14	72 BIDIR, 2WCU CA
12	MODE4	DS2	6.3 Mbps	NA	0	72 BIDIR, 2WCU CA
13		V1	6.3 Mbps	4	0.14	84 UNDIR, FIBER
14		E2	8 Mbps	4	0.25	120 BIDIR, 2WCU CA
15		E3	14 Mbps	16	1	480
16	X	DS3	45 Mbps	28	1	672 BIDIR, 2WCU CA
17		OC1	50 Mbps	28	1	672 UNDIR, FIBER
18	X		90 Mbps	2	2	1344 UNDIR, FIBER
19			90 Mbps	2	2	1344 BIDIR, MW RADIO
20		DS4	135 Mbps	3	3	2016 UNDIR, FIBER
21			135 Mbps	3	3	2016 BIDIR, MW RADIO
22		DS4NA	139 Mbps	3	3	2016 UNDIR, FIBER
23		E4	140 Mbps	3	3	1920 UNDIR, FIBER
24		14M	139 Mbps	6	6	4032 BIDIR, COAX
25		P140	139 Mbps	6	6	4032 BIDIR, COAX
26	X	OC3	155 Mbps	3	3	2016 UNDIR, FIBER
27	X		180 Mbps	4	4	2688 UNDIR, FIBER
28			417 Mbps	9	9	6048 UNDIR, FIBER
29		OC9	466 Mbps	9	9	6048 UNDIR, FIBER
30		OC12	560 Mbps	12	12	7680 UNDIR, FIBER
31			565 Mbps	12	12	8064 UNDIR, FIBER
32			1.2 Gbps	24	24	16128 UNDIR, FIBER
33			1.7 Gbps	36	36	24192 UNDIR, FIBER
34		OC24	1.8 Gbps	24	24	24192 UNDIR, FIBER
35			2.5 Gbps	24	24	84500 UNDIR, FIBER
36						
	0	1	2	3	4	5
OFFSET						

CONFIDENTIAL
NOTICE MUST BE RELEASED TO PUBLIC
PRIOR TO RELEASE TO PUBLIC
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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.

FOR
INVESTMENT YEAR: 1996

STUDY YR.: 1996

CITY / AREA: CINCINNATI

LOOP STUDY YEAR: 1996

TEST CASE: 1

STATE: OHIO

SERVICE CLASS: BAND 3 - BUSINESS

LAST UPDATE: 29-Oct-95

TIME: 10:24

WORKSHEET F

[A]	DISTANCE INCREMENTS:	0.4 MILE BETWEEN BANDS	[R]	ROUTE TO AIR RATIO:	1.539947	ratio
[B]	NUMBER OF BANDS:	0 TO BE CARRIED INTO THE STUDY	[K]	UNIT MILE / FEET CONSTANT:	1320	
BAND NUMBER	TOTAL WORKING FEET	TOTAL WORKING FEET	TOTAL AIR FEET	LOOP LENGTH @ MIDPOINT	WORKING FEET @ MIDPOINT	
[C]	[D=input]	[E=(B*D)]	[F=A*C*K]	[G (see note)]	[H=G*R]	
1		0				
2		0				
3		0				
4		0				
5		0				

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

ERROR MESSAG

0

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

C:\123R24\LCATR037\SPAN		LOOP COST ANALYSIS TOOL										Bellcore (R)																																																																																																																																																																																																																																																				
PLANT CHAR. - WORKSHEET SA Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		WORKSHEET SA										LCAT R61: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:24																																																																																																																																																																																																																																																				
Sub Feeder Allocation Table																																																																																																																																																																																																																																																																
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Sub Feeder Allocation Table segment alloc																																																																																																																																																																																																																																																																
cur lplgth = 5008 NO COLOCATED RT AND CP, where dlcdpl = 18000 dstopo = BUS COLOCATED dstopo = BUS [B]distspa 1095 dstopo = STAF dstopo = BUS dstopo = STAF dstopo = BUS nom_rangecur - disubfeedonfeedesubfeed prfeeder subfeedonfeedesubfeed onfeeder dif																																																																																																																																																																																																																																																																
- [C] [D=C-I] [E] [F=D-E] [G] [H=D-G] [I] [J=C-I] [K] [L=C-K] [M=A-C]																																																																																																																																																																																																																																																																
<table border="1" style="width: 100%; border-collapse: collapse; font-family: monospace; font-size: 0.8em;"> <tr><td>500</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>500</td><td>0</td><td>500</td><td>0</td><td>5008</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>1000</td><td>0</td><td>1000</td><td>0</td><td>5108</td></tr> <tr><td>2000</td><td>905</td><td>905</td><td>0</td><td>905</td><td>0</td><td>2000</td><td>0</td><td>2000</td><td>0</td><td>4608</td></tr> <tr><td>3000</td><td>1905</td><td>1905</td><td>0</td><td>1905</td><td>0</td><td>3000</td><td>0</td><td>3000</td><td>0</td><td>3608</td></tr> <tr><td>4000</td><td>2905</td><td>2905</td><td>0</td><td>2905</td><td>0</td><td>4000</td><td>0</td><td>4000</td><td>0</td><td>2608</td></tr> <tr><td>5000</td><td>3905</td><td>3905</td><td>0</td><td>3905</td><td>0</td><td>5000</td><td>0</td><td>5000</td><td>0</td><td>1608</td></tr> <tr><td>6000</td><td>4905</td><td>4905</td><td>0</td><td>4905</td><td>0</td><td>6000</td><td>0</td><td>6000</td><td>0</td><td>608</td></tr> <tr><td>7000</td><td>5905</td><td>5905</td><td>0</td><td>5905</td><td>0</td><td>7000</td><td>0</td><td>7000</td><td>0</td><td>-392</td></tr> <tr><td>8000</td><td>6905</td><td>6905</td><td>0</td><td>6905</td><td>0</td><td>8000</td><td>0</td><td>8000</td><td>0</td><td>-1392</td></tr> <tr><td>9000</td><td>7905</td><td>7905</td><td>0</td><td>7905</td><td>0</td><td>9000</td><td>0</td><td>9000</td><td>0</td><td>-2392</td></tr> <tr><td>10000</td><td>8905</td><td>8905</td><td>0</td><td>8905</td><td>0</td><td>10000</td><td>0</td><td>10000</td><td>0</td><td>-3392</td></tr> <tr><td>11000</td><td>9905</td><td>9905</td><td>0</td><td>9905</td><td>0</td><td>11000</td><td>0</td><td>11000</td><td>0</td><td>-4392</td></tr> <tr><td>12000</td><td>10905</td><td>10905</td><td>0</td><td>10905</td><td>0</td><td>12000</td><td>0</td><td>12000</td><td>0</td><td>-5392</td></tr> <tr><td>13000</td><td>11905</td><td>11905</td><td>0</td><td>11905</td><td>0</td><td>13000</td><td>0</td><td>13000</td><td>0</td><td>-6392</td></tr> <tr><td>14000</td><td>12905</td><td>12905</td><td>0</td><td>12905</td><td>0</td><td>14000</td><td>0</td><td>14000</td><td>0</td><td>-7392</td></tr> <tr><td>15000</td><td>13905</td><td>13905</td><td>0</td><td>13905</td><td>0</td><td>15000</td><td>0</td><td>15000</td><td>0</td><td>-8392</td></tr> <tr><td>16000</td><td>14905</td><td>14905</td><td>0</td><td>14905</td><td>0</td><td>16000</td><td>0</td><td>16000</td><td>0</td><td>-9392</td></tr> <tr><td>17000</td><td>15905</td><td>15905</td><td>0</td><td>15905</td><td>0</td><td>17000</td><td>0</td><td>17000</td><td>0</td><td>-10392</td></tr> <tr><td>18000</td><td>16905</td><td>8452.5</td><td>8452.5</td><td>0</td><td>16905</td><td>9000</td><td>9000</td><td>0</td><td>18000</td><td>-11392</td></tr> <tr><td>19000</td><td>17905</td><td>8952.5</td><td>8952.5</td><td>0</td><td>17905</td><td>9500</td><td>9500</td><td>0</td><td>19000</td><td>-12392</td></tr> <tr><td>20000</td><td>18905</td><td>9452.5</td><td>9452.5</td><td>0</td><td>18905</td><td>10000</td><td>10000</td><td>0</td><td>20000</td><td>-13392</td></tr> <tr><td>80000</td><td>78905</td><td>16905</td><td>62000</td><td>1000</td><td>77905</td><td>16905</td><td>63005</td><td>1000</td><td>79000</td><td>-74392</td></tr> </table>													500	0	0	0	0	0	0	500	0	500	0	5008	1000	0	0	0	0	0	0	1000	0	1000	0	5108	2000	905	905	0	905	0	2000	0	2000	0	4608	3000	1905	1905	0	1905	0	3000	0	3000	0	3608	4000	2905	2905	0	2905	0	4000	0	4000	0	2608	5000	3905	3905	0	3905	0	5000	0	5000	0	1608	6000	4905	4905	0	4905	0	6000	0	6000	0	608	7000	5905	5905	0	5905	0	7000	0	7000	0	-392	8000	6905	6905	0	6905	0	8000	0	8000	0	-1392	9000	7905	7905	0	7905	0	9000	0	9000	0	-2392	10000	8905	8905	0	8905	0	10000	0	10000	0	-3392	11000	9905	9905	0	9905	0	11000	0	11000	0	-4392	12000	10905	10905	0	10905	0	12000	0	12000	0	-5392	13000	11905	11905	0	11905	0	13000	0	13000	0	-6392	14000	12905	12905	0	12905	0	14000	0	14000	0	-7392	15000	13905	13905	0	13905	0	15000	0	15000	0	-8392	16000	14905	14905	0	14905	0	16000	0	16000	0	-9392	17000	15905	15905	0	15905	0	17000	0	17000	0	-10392	18000	16905	8452.5	8452.5	0	16905	9000	9000	0	18000	-11392	19000	17905	8952.5	8952.5	0	17905	9500	9500	0	19000	-12392	20000	18905	9452.5	9452.5	0	18905	10000	10000	0	20000	-13392	80000	78905	16905	62000	1000	77905	16905	63005	1000	79000	-74392
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RULES ASSUMPTION - Table LOOKUP will select from the lower NOM_RANGE of CUR_LPLGTH intermediate value If CUR_LPLGTH is <= DISTSPAN, then CUR_SEGLGTH ^{dst} Equals CUR_LPLGTH - NOM_RANGE difference > DISTSPAN and < DLCDEPL, then CUR_SEGLGTH ^{stor} Equals CUR_LPLGTH - NOM_RANGE difference >= DLCDEPL, then CUR_SEGLGTH ^{prior} Equals CUR_LPLGTH - NOM_RANGE difference CUR_SEGLGTH - Calculation Assumptions The DISTSPAN can not exceed the DLCDEPL value input on CRITERIA. Therefore, set the DLCDEPL at the DISTSPAN to get an <u>ALL FIBER</u> Network.																																																																																																																																																																																																																																																																

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OHIO ONLY
3 Geographic Areas
ISDN

10/10/96 Revised

Band 1

		Residence			Business		
		Average F1 Length	Average F2 Length	Average Loop	Average F1 Length	Average F2 Length	Average Loop
		A	B	C	D	E	F
1	0-18,000	8,298	1,390	9,688	7,007	971	7,977
2	# Of Entries	144			285		
3	18,001-INFINITY	17,880	2,925	20,805	19,201	2,119	21,320
4	# Of Entries	16			8		
5	Ratio						
6	0-18,000	0.8369			0.9378		
7	18,001-INFINITY	0.1631			0.0622		
		1.0000			1.0000		

Band 2

8	0-18,000	8,444	2,097	10,541	7,015	1,136	8,151
9	# Of Entries	95			107		
10	18,001-INFINITY	23,425	2,646	26,071	24,110	2,049	26,159
11	# Of Entries	44			57		
12	Ratio	0.6835			0.6524		
13	0-18,000	0.3165			0.3476		
14	18,001-INFINITY	1.0000			1.0000		

Band 3

15	0-18,000	4,845	1,981	6,825	4,512	1,095	5,608
16	# Of Entries	46			30		
17	18,001-INFINITY	23,301	4,826	28,127	23,581	3,479	27,360
18	# Of Entries	56			30		
19	Ratio	0.4510			0.5775		
20	0-18,000	0.5490			0.4225		
21	18,001-INFINITY	1.0000			1.0000		

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PROVIDED TO PUCO

אמנואל

C:\123R24\LCATR038\RESULTS1
OUTPUT - REPORT D
SHEET 1 of 1

LOOP COST ANALYSIS TOOL
PROSPECTIVE INVESTMENT SUMMARY REPORT

Bellicore[®]

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:41

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

CIRCUIT DESIGN : TOTAL TECHNOLOGIES
LOOP SPAN DIVISION : ALL LOOP SPANS
SERVICE CLASS : BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH : 27360 FEET

Loop Span Set Weighting: 1		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED
PLANT NAME		FEEDER	DISTRIBUTION NETWORK			TOTAL	
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE		LOOP	
PLANT	CODE						
ITEM DESCRIPTION	SEG.LGTH.						
SHARED RESOURCES							
LAND	20C	\$ 0.12	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.1206	
BUILDING	10C	\$ 3.59	\$ 0.00	\$ 0.00	\$ 0.00	\$ 3.5855	
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
MISC. COM EQP & PWR	57C	\$ 1.66	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.6553	
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
DIRECT RESOURCES							
LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.4513	
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.15	\$ 8.10	\$ 8.2500	
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.01	\$ 8.30	\$ 8.3100	
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.03	\$ 0.00	\$ 0.0300	
CO EQPT - LOW CAP TERM	257C	\$ 8.36	\$ 0.00	\$ 0.00	\$ 0.00	\$ 8.3566	
CO EQPT - LOW CAP CHAN	257C	\$ 32.84	\$ 0.00	\$ 0.00	\$ 0.00	\$ 32.8370	
CO EQPT - HI CAP TERM	857C	\$ 2.18	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.1818	
CO EQPT - HI CAP CHAN	857C	\$ 3.33	\$ 0.00	\$ 0.00	\$ 0.00	\$ 3.3302	
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (FIBER)	822C	\$ 0.14	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.1403	
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
UNDERGROUND (FO) CA.	85C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0343	
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
POLE LINE	1C	\$ 0.04	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.0052	
CONDUIT	4C	\$ 0.02	\$ 0.00	\$ 0.01	\$ 0.00	\$ 0.0268	
SPAN SUMMARY		\$ 52.29	\$ 0.00	\$ 0.24	\$ 18.33	\$ 2.45	
						\$ 73.31	
						\$ 73.31	

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C:\123R24\LCATR038\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 3 (OHIO ONLY) BUSINESS ISDN 18001 FEET - INFINITY INTRASTAT

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	1	LAST SAVE
FR / DS	FLAT RATE	#BANDS	0	17-Jan-97
SVC LEVEL	NARBAND	#CKTS	1	17:14
CST METH	UN INCR	INV LEVEL	LANNCOST	TIME

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PRICING - your report is ready for viewing
PROVIDED TO YOU

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

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C:\123R24\LCATR038\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 3 - BUSINESS ISDN				RUN DATE: 27-Jan-97	
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 27360 FEET				TIME: 14:41	

Circuit Design Mix: T.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED	
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL		TOTAL
EQPT		PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	LOOP	
PLANT CODE								
ITEM DESCRIPTION								
SHARED RESOURCES								
LAND	20C	\$ 0.11		\$ 0.00	\$ 0.00	\$ 0.11	\$ 0.11	
BUILDING	10C	\$ 3.20		\$ 0.00	\$ 0.00	\$ 3.20	\$ 3.20	
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	\$ 1.46		\$ 0.00	\$ 0.00	\$ 1.46	\$ 1.46	
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	
INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
AERIAL CABLE (COPPER)	22C	\$ 3.02		\$ 0.15	\$ 8.10	\$ 11.27	\$ 11.27	
BURIED CABLE (COPPER)	45C	\$ 0.21		\$ 0.01	\$ 8.30	\$ 8.52	\$ 8.52	
UNDERGROUND (CU) CA.	5C	\$ 0.54		\$ 0.03	\$ 0.00	\$ 0.57	\$ 0.57	
CO EQPT - LOW CAP TERM	257C	\$ 10.91		\$ 0.00	\$ 0.00	\$ 10.91	\$ 10.91	
CO EQPT - LOW CAP GHAN	257C	\$ 32.84		\$ 0.00	\$ 0.00	\$ 32.84	\$ 32.84	
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	\$ 0.72		\$ 0.04	\$ 1.93	\$ 2.69	\$ 2.69	
CONDUIT	4C	\$ 0.19		\$ 0.01	\$ 0.00	\$ 0.20	\$ 0.20	
SPAN SUMMARY		\$ 53.21	\$ 0.00	\$ 0.24	\$ 18.33	\$ 2.45	\$ 74.23	
CIRCUIT DESIGN SUMMARY							\$ 74.23	

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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 (R)		
C:\123R24\LCATR038\RESULTS1		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Ref: 1.0.4		
OUTPUT - WORKSHEET D						Issued: 7/31/95		
SHEET 2 of 10						STUDY YR: 1996		
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 2 CDLC				TEST CASE: 1		
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS				DATE: 27-Jan-97		
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN				TIME: 14:41		
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 27360 FEET						
0		Circuit Design Mix: 0.0000						UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY
1		PLANT NAME	FEEDER	DISTRIBUTION	NETWORK	TOTAL	WEIGHTED	
2		SEG. NAME	PRIMARY	EXTENSION	SUB-	LOOP	TOTAL	
3		EQPT			INTERFACE		LOOP	
4		CODE						
5		PLANT						
6		ITEM DESCRIPTION						
7		<u>SHARED RESOURCES</u>						
8		LAND	20C			\$0	\$0	
9		BUILDING	10C			\$0	\$0	
10		BLDG ENTRANCE CABLE	12C			\$0	\$0	
11		INTRABLDG CABLE	52C			\$0	\$0	
12		AERIAL CABLE (COPPER)	22C			\$0	\$0	
13		BURIED CABLE (COPPER)	45C			\$0	\$0	
14		UNDERGROUND (CU) CA.	5C			\$0	\$0	
15		CO EQPT - LOW CAP TERM	257C			\$0	\$0	
16		CO EQPT - LOW CAP CHAN	257C			\$0	\$0	
17		CO EQPT - HI CAP TERM	857C			\$0	\$0	
18		CO EQPT - HI CAP CHAN	857C			\$0	\$0	
19		CO EQPT - ANALOG SW	77C			\$0	\$0	
20		CO EQPT - DIGITAL SW	377C			\$0	\$0	
21		AERIAL CABLE (FIBER)	822C			\$0	\$0	
22		BURIED CABLE (FIBER)	845C			\$0	\$0	
23		UNDERGROUND (FO) CA.	85C			\$0	\$0	
24		CONNECTORS	57C			\$0	\$0	
25		MISC. COM EQP & PWR	57C			\$0	\$0	
26		POLE LINE	1C			\$0	\$0	
27		CONDUIT	4C			\$0	\$0	
28								
29		<u>DIRECT RESOURCES</u>						
30		LAND	20C			\$0	\$0	
31		BUILDING	10C			\$0	\$0	
32		BLDG ENTRANCE CABLE	12C			\$0	\$0	
33		INTRABLDG CABLE	52C			\$0	\$0	
34		AERIAL CABLE (COPPER)	22C			\$0	\$0	
35		BURIED CABLE (COPPER)	45C			\$0	\$0	
36		UNDERGROUND (CU) CA.	5C			\$0	\$0	
37		CO EQPT - 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						
52								
53		CIRCUIT DESIGN SUMMARY						
54								
55								

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GC:\123R24\LCATR038\RESULTS1
OUTPUT - WORKSHEET D
SHEET 3 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: 27-Jan-97
TIME: 14:41COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT.: CINCINNATICIRCUIT DESIGN: MELEDED CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 27369 FEET

Technology Type Mix : 0.0000		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TECHNOLOGY	
PLANT	ITEM DESCRIPTION	PLANT NAME	FEEDER	SUB-	DISTRIBUTION NETWORK	INTERFACE	TOTAL LOOP	WEIGHTED TOTAL LOOP
PLANT	ITEM DESCRIPTION	SEG. NAME	PRIMARY	EXTENSION	SUB-	DISTRIBUTION NETWORK	INTERFACE	TOTAL LOOP
PLANT	ITEM DESCRIPTION	EQPT CODE						
SHARED RESOURCES								
	LAND	20C	\$ 0.11	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
	BUILDING	10C	\$ 3.20	\$ 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	\$ 1.46	\$ 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	\$ 3.02	\$ 0.00	\$ 0.15	\$ 8.10	\$ 0.00	\$ 11.27
	BURIED CABLE (COPPER)	45C	\$ 0.21	\$ 0.00	\$ 0.01	\$ 8.30	\$ 0.00	\$ 8.52
	UNDERGROUND (CU) CA.	5C	\$ 0.54	\$ 0.00	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.57
	CO EQPT - P GAIN TERM	257C	\$ 10.91	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 10.91
	CO EQPT - P GAIN CHAN	257C	\$ 32.84	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 32.84
	CO EQPT - FO MUX TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
	CO EQPT - FO MUX CHAN	857C	\$ 0.00	\$ 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	\$ 0.00
	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
	CONNECTORS	57C	\$ 0.00	\$ 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	\$ 0.00
	POLE LINE	1C	\$ 0.72	\$ 0.00	\$ 0.04	\$ 1.93	\$ 0.00	\$ 2.69
	CONDUIT	4C	\$ 0.19	\$ 0.00	\$ 0.01	\$ 0.00	\$ 0.00	\$ 0.20
SPAN SUMMARY			\$ 53.21	\$ 0.00	\$ 0.24	\$ 18.33	\$ 2.45	\$ 74.23
TECHNOLOGY DESIGN SUMMARY			\$ 74.23					

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GC:\123R24\LCATR038\RESULTS1
OUTPUT - WORKSHEET D
SHEET 4 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY**Belcore**^(R)LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:41COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 1 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 27360 FEET

Circuit Design Mix: 0.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED

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

SPAN SUMMARY

\$0 \$0

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OUTPUT - WORKSHEET D
SHEET 5 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY**Bellcore**LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:41COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 2 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 27360 FEET

Circuit Design Mix : 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TOTAL LOOP	WEIGHTED TOTAL LOOP
PLANT NAME	SEG. NAME	PRIMARY	EXTENSION	SUB-	DISTRIBUTION NETWORK INTERFACE			
PLANT	EQPT CODE							
ITEM DESCRIPTION								
<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
							\$ 0	

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OUTPUT - WORKSHEET D
SHEET 6 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARYBellcore^(R)LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:41COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 3 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 27360 FEET

Circuit Design Mix : 1.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				TOTAL LOOP	WEIGHTED TOTAL LOOP	
PLANT NAME	SEG. NAME	PRIMARY	EXTENSION	SUB-	DISTRIBUTION NETWORK INTERFACE			
PLANT	EQPT CODE							
ITEM DESCRIPTION								
SHARED RESOURCES								
LAND	20C	\$ 0.12		\$ 0.00	\$ 0.00	\$ 0.12	\$ 0.12	
BUILDING	10C	\$ 3.59		\$ 0.00	\$ 0.00	\$ 3.59	\$ 3.59	
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	\$ 1.66		\$ 0.00	\$ 0.00	\$ 1.66	\$ 1.66	
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	
INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
AERIAL CABLE (COPPER)	22C	\$ 0.00		\$ 0.15	\$ 8.10	\$ 8.25	\$ 8.25	
BURIED CABLE (COPPER)	45C	\$ 0.00		\$ 0.01	\$ 8.30	\$ 8.31	\$ 8.31	
UNDERGROUND (CU) CA.	5C	\$ 0.00		\$ 0.03	\$ 0.00	\$ 0.03	\$ 0.03	
CO EQPT - LOW CAP TERM	257C	\$ 8.36		\$ 0.00	\$ 0.00	\$ 8.36	\$ 8.36	
CO EQPT - LOW CAP CHAN	257C	\$ 32.84		\$ 0.00	\$ 0.00	\$ 32.84	\$ 32.84	
CO EQPT - HI CAP TERM	857C	\$ 2.18		\$ 0.00	\$ 0.00	\$ 2.18	\$ 2.18	
CO EQPT - HI CAP CHAN	857C	\$ 3.33		\$ 0.00	\$ 0.00	\$ 3.33	\$ 3.33	
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	\$ 0.14		\$ 0.00	\$ 0.00	\$ 0.14	\$ 0.14	
BURIED CABLE (FIBER)	845C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
UNDERGROUND (FO) CA.	85C	\$ 0.03		\$ 0.00	\$ 0.00	\$ 0.03	\$ 0.03	
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	\$ 0.04		\$ 0.04	\$ 1.99	\$ 2.01	\$ 2.01	
CONDUIT	4C	\$ 0.02		\$ 0.00	\$ 0.00	\$ 0.03	\$ 0.03	
SPAN SUMMARY		\$ 52.29	\$ 0.00	\$ 0.24	\$ 18.33	\$ 2.45	\$ 73.31	
						\$ 73.31	\$ 73.31	

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GC:\123R24\LCATR038\RESULTS1
OUTPUT - WORKSHEET D
SHEET 7 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: 27-Jan-97
TIME: 14:41COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 4 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 27360 FEET

Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				TOTAL LOOP	WEIGHTED TOTAL LOOP
PLANT NAME	SEG. NAME	PRIMARY	EXTENSION	SUB-	DISTRIBUTION NETWORK INTERFACE		
EQPT	CODE						
PLANT	ITEM DESCRIPTION						
	SHARED RESOURCES						
	LAND	20C				\$0	\$0
	BUILDING	10C				\$0	\$0
	BLDG ENTRANCE CABLE	12C				\$0	\$0
	INTRABLDG CABLE	52C				\$0	\$0
	AERIAL CABLE (COPPER)	22C				\$0	\$0
	BURIED CABLE (COPPER)	45C				\$0	\$0
	UNDERGROUND (CU) CA.	5C				\$0	\$0
	CO EQPT - LOW CAP TERM	257C				\$0	\$0
	CO EQPT - LOW CAP CHAN	257C				\$0	\$0
	CO EQPT - HI CAP TERM	857C				\$0	\$0
	CO EQPT - HI CAP CHAN	857C				\$0	\$0
	CO EQPT - ANALOG SW	77C				\$0	\$0
	CO EQPT - DIGITAL SW	377C				\$0	\$0
	AERIAL CABLE (FIBER)	822C				\$0	\$0
	BURIED CABLE (FIBER)	845C				\$0	\$0
	UNDERGROUND (FO) CA.	85C				\$0	\$0
	CONNECTORS	57C				\$0	\$0
	MISC. COM EQP & PWR	57C				\$0	\$0
	POLE LINE	1C				\$0	\$0
	CONDUIT	4C				\$0	\$0
	DIRECT RESOURCES						
	LAND	20C				\$0	\$0
	BUILDING	10C				\$0	\$0
	BLDG ENTRANCE CABLE	12C				\$0	\$0
	INTRABLDG CABLE	52C				\$0	\$0
	AERIAL CABLE (COPPER)	22C				\$0	\$0
	BURIED CABLE (COPPER)	45C				\$0	\$0
	UNDERGROUND (CU) CA.	5C				\$0	\$0
	CO EQPT - LOW CAP TERM	257C				\$0	\$0
	CO EQPT - LOW CAP CHAN	257C				\$0	\$0
	CO EQPT - HI CAP TERM	857C				\$0	\$0
	CO EQPT - HI CAP CHAN	857C				\$0	\$0
	CO EQPT - ANALOG SW	77C				\$0	\$0
	CO EQPT - DIGITAL SW	377C				\$0	\$0
	AERIAL CABLE (FIBER)	822C				\$0	\$0
	BURIED CABLE (FIBER)	845C				\$0	\$0
	UNDERGROUND (FO) CA.	85C				\$0	\$0
	CONNECTORS	57C				\$0	\$0
	MISC. COM EQP & PWR	57C				\$0	\$0
	POLE LINE	1C				\$0	\$0
	CONDUIT	4C				\$0	\$0
	SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0
						\$0	\$0

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OUTPUT - WORKSHEET D
SHEET 8 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY**Bellcore**[®]LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:41COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 5 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 27360 FEET

Circuit Design Mix : 0.0000		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
							\$0	

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OUTPUT - WORKSHEET D
SHEET 10 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARYBellcore^(R)LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:41COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: MELDED FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - BUSINESS ISDN
TOTAL LOOP LENGTH: 27360 FEET

Technology Type Mix: [1.0000]

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

TECHNOLOGY

WEIGHTED

PLANT NAME	FEEDER	DISTRIBUTION	NETWORK	TOTAL	TOTAL
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP
EQPT					
CODE					
PLANT					
ITEM DESCRIPTION					
SHARED RESOURCES					
LAND	20C	\$ 0.12	\$ 0.00	\$ 0.00	\$ 0.12
BUILDING	10C	\$ 3.59	\$ 0.00	\$ 0.00	\$ 3.59
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 1.66	\$ 0.00	\$ 0.00	\$ 1.66
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

DIRECT RESOURCES

LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.45
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.15	\$ 8.10	\$ 0.00	\$ 8.25
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.01	\$ 8.30	\$ 0.00	\$ 8.31
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.03
CO EQPT - LOW CAP TERM	257C	\$ 8.36	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 8.36
CO EQPT - LOW CAP CHAN	257C	\$ 32.84	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 32.84
CO EQPT - HI CAP TERM	857C	\$ 2.18	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.18
CO EQPT - HI CAP CHAN	857C	\$ 3.33	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 3.33
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 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	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.14	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.14
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.03
CONNECTORS	57C	\$ 0.00	\$ 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	\$ 0.00
POLE LINE	1C	\$ 0.04	\$ 0.00	\$ 0.04	\$ 1.93	\$ 0.00	\$ 2.01
CONDUIT	4C	\$ 0.02	\$ 0.00	\$ 0.01	\$ 0.00	\$ 0.00	\$ 0.03

SPAN SUMMARY

\$ 52.29

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Bellcore (R)

RUN - DIST PLNT

LCAT

LAST UPDATE

LOOP COST ANALYSIS TOOL

Release: 1.0.4

27-Jan-97

Issued: 8/31/95

14:24

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 3 (OHIO ONLY) BUSINESS ISDN 18001 FEET - INFINITY

CURRENT TEST PLAN :

CURRENT JOB IDENT: CINCINNATI

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

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CM:23R24/LCAT/CALC/DIST
DIST_PLNT - WORKSHEET A
Sheet 1 of 3

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)]

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

SERVICE CLASS: BAND 3 - BUSINESS ISDN

Belcore®
LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1995
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:33

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2 - RELATIVE MIX OF TYPE OF CA. PLANT	LENGTH SUBSET BY TYPE OF PLANT	FROM TABLE 4 - CABLE INVESTMENT PER PAIR FOOT	CABLE INVESTMENT PER PAIR	(NOTE 4) WEIGHTED TERMINAL INVESTMENT	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR	(NOTE 4) WEIGHTED DROP WIRE INVESTMENT
		[B]	[C=A*B]	[D]	[E=C*D]	[F=E*factr]	[F=E*factr]		
3479.0	AERIAL	0.580000	2017.8	0.041800	84.34		0.00	0.00	
CONSIDERS:	BURIED	0.420000	1461.2	0.068800	100.53		0.00	0.00	
MELDED									
COPPER	UNDERGRND	0.000000	0.0	0.000000	0.00		0.00	0.00	
CABLE									
Check =		1.000000	3479.0						
OUTSIDE PLANT LOADINGS (NOTE 4)									
DROP WIRE ADJUSTMENT:									
AERIAL CA. =	0.0000	AIR DRYER LOADINGS:		AERIAL CA. =		0.0000			
BURIED CA. =	0.0000	BURIED CA. =		BURIED CA. =		0.0000			
UNDERGRND =	0.0000	UNDERGRND =		UNDERGRND =		0.0000			
OTHER INVESTMENT									
POLE LINE FACTOR (PLF) =	0.0000	inv / unit lgth:	0.0000	inv rltm factr:	0.2530				
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =	\$ 60.97								
UG CONDUIT FACTOR (UCF) =	0.0000			0.5165					
CONDUIT INVESTMENT (UTIL UNDERGRND INVST x UCF) =	\$ 0.00								
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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GA123R24/LCAT/CALC.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-COLLECTOR)
SERVICE CLASS: BAND 3 - BUSINESS ISDN

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

Belcore®
LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:33

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		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	84.34	1		\$ 84	0.3500		\$ 241
BURIED CABLE (COPPER)	45C	V	DIRECT	100.53	1		\$ 101	0.3500		\$ 287
UNDERGROUND (CU) CA.	5C	V	DIRECT	0.00				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	60.97	1		\$ 61	1.0000		\$ 61
CONDUIT	4C	F	DIRECT	0.00				1.0000		

NOTICE MUST BE RELEASED PRIOR TO RELEASE PROVIDED TO

0 \$ 0 \$ 589 \$ 589
distirvty

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

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

LOOP COST ANALYSIS TOOL
PROSPECTIVE AND ANNUAL COSTS WORKSHEET
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC/NON-COLLOC)
SERVICE CLASS: BAND 3 - BUSINESS ISDN

Belcore (R)
LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:33

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

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			0.3922				
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 241	0.4033		\$ 97.19		\$ 8.10
BURIED CABLE (COPPER)	45C	1.0000		\$ 287	0.3467		\$ 99.56		\$ 8.30
UNDERGROUND (CU) CA.	5C	1.0000			0.3863				
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		\$ 61	0.3807		\$ 23.21		\$ 1.93
CONDUIT	4C	1.0000			0.2521				
TOTALS			\$ 0	\$ 539		\$ 0.00	\$ 219.96	\$ 0.00	\$ 18.33
				\$ 539			\$ 219.98		\$ 18.33

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		LOOP COST ANALYSIS TOOL		Bellcore [®]	
DIST. PLNT - WORKSHEET B		BASIC INVESTMENT WORKSHEET		LCAT	
Sheet 1 of 3		FACILITY TYPE: COPPER CABLE		Release: 1.0.4	
COMPANY: CINCINNATI BELL TEL.		CIRCUIT SEGMENT: SERVICE ACCESS		STUDY YR: 1996	
CITY / AREA: CINCINNATI		SERVICE CLASS: BAND 3 - BUSINESS ISDN		TEST CASE: 1	
STATE / PROV: OHIO				RUN DATE: 27-Jan-97	
				TIME: 14:33	
TYPE OF PLANT	UNIT PLANT INVEST	PROB. OF OCCURANCE	WEIGHTED TERMINAL INVESTMENT		
ITEM	[A]	[B]	[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 (PL) =		from invest	0.833		
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PL) =		0.0000	\$ 0.00		

CONFIDENTIAL
NOTICE MUST BE GIVEN
PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PUCO

FOOTNOTES
NOTE 1: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED.
NOTE 2: THIS DATA IS USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN INVESTMENT AND MONTHLY COSTS

LOOP COST ANALYSIS TOOL																Bellcore (R)	
ACCOUNT INVESTMENT WORKSHEET																LCAT	
C:\23R24\LCATCALCDIST																Release: 1.0.4	
DIST_PLNT - WORKSHEET B																STUDY YR: 1998	
Sheet 2 of 3																TEST CASE: 1	
COMPANY: CINCINNATI BELL TEL.																RUN DATE: 27-Jan-97	
CITY / AREA: CINCINNATI																TIME: 14:33	
STATE / PROV: OHIO																	
FACILITY TYPE: COPPER CABLE																	
CIRCUIT SEGMENT: SERVICE ACCESS																	
SERVICE CLASS: BAND 3 - BUSINESS ISDN																	
	PLANT	CAT.	1998 UNIT INVESTMENT BY ACCOUNT		1998 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL	1998 UNIT LOOP INVESTMENT INCL. UTILIZATION									
	ACCT CODE	FIXED RESOURCE VARI ALLOCATION	COST EQUATION	CIRCUIT QUANTITY	SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F'*G]	[J]	SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]								
9 LAND	20C	F SHARED					1.0000										
10 BUILDING	10C	F SHARED					1.0000										
11 BLDG ENTRANCE CABLE	12C	V DIRECT	75.00	1		\$ 75	1.0000		\$ 75								
12 INTRABLDG CABLE	52C	V DIRECT	0.00				0.3500										
13 AERIAL CABLE (COPPER)	22C	V DIRECT	0.00				0.3500										
14 BURIED CABLE (COPPER)	45C	V DIRECT	0.00				0.3500										
15 UNDERGROUND (CU) CA.	5C	V DIRECT					0.3500										
16 CO EQPT - P GAIN TERM	257C	F DIRECT					0.7000										
17 CO EQPT - P GAIN CHAN	257C	V DIRECT					0.7000										
18 CO EQPT - FO MUX TERM	857C	F DIRECT					1.0000										
19 CO EQPT - FO MUX CHAN	857C	F DIRECT					1.0000										
20 CO EQPT - ANALOG SW	77C	V DIRECT					1.0000										
21 CO EQPT - DIGITAL SW	377C	V DIRECT					1.0000										
22 AERIAL CABLE (FIBER)	822C	F DIRECT					0.0000										
23 BURIED CABLE (FIBER)	845C	F DIRECT					0.0000										
24 UNDERGROUND (FO) CA.	85C	F DIRECT					0.0000										
25 CONNECTORS	57C	V DIRECT					0.0000										
26 MISC. COM EQP & PWR	57C	V SHARED					0.0000										
27 POLE LINE	1C	F DIRECT	0.00				1.0000										
28 CONDUIT	4C	F DIRECT					1.0000										
CONFIDENTIAL NOTICE: THIS INFORMATION IS UNCLASSIFIED PRIOR TO RELEASE TO THE PUBLIC PROVIDED TO DUCO										\$0	\$75						
										\$0	\$75						
										bottomly							
FOOTNOTES																	
NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F(F') AND H(H') ARE CAUSED BY COMPUTER ROUNDING.																	
NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.																	
AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC;																	
CO EQPT - ESS = CONNECTORS + MISC. CP&E.																	

CA123R24\LCAT\CALC\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 3 - BUSINESS ISDN

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:33

PLANT ITEM	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			0.2963				
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			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.

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CA123R24LCATCALC.DIST		LOOP COST ANALYSIS TOOL		Belcore (R)	
DIST. PLNT - WORKSHEET B		BASIC INVESTMENT WORKSHEET		LCAT	
Sheet 1 of 3		FACILITY TYPE: COPPER CABLE		Release: 1.0.4	
COMPANY: CINCINNATI BELL TEL.		CIRCUIT SEGMENT: SERVICE ACCESS		STUDY YR: 1996	
CITY / AREA: CINCINNATI		SERVICE CLASS: BAND 3 - BUSINESS ISDN		TEST CASE: 1	
STATE / PROV: OHIO				RUN DATE: 27-Jan-97	
				TIME: 14:33	
TYPE OF PLANT	UNIT PLANT INVEST [A]	PROB. OF OCCURANCE [B]	WEIGHTED TERMINAL INVESTMENT [C=A*B]		
INTRABLDG CABLE	\$ 0.00	0.0000	\$ 0.00		
BLDG ENTRANCE CABLE	\$ 75.00	1.0000	\$ 75.00		
AERIAL TERMINAL	\$ 0.00	0.0000	\$ 0.00		
BURIED TERMINAL	\$ 0.00	0.0000	\$ 0.00		
AERIAL DROP WIRE	\$ 0.00	0.0000	\$ 0.00		
BURIED DROP WIRE	\$ 0.00	0.0000	\$ 0.00		
COAXIAL DROP	\$ 0.00	0.0000	\$ 0.00		
POLE LINE FACTOR (PLF) = from length 0.0000 from invest 0.2530				CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO	
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) = \$ 0.00					
FOOTNOTES					
NOTE 1: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED.					
NOTE 2: THIS DATA IS USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN INVESTMENT AND MONTHLY COSTS					

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C:\123R24\LCATCALC\DIST
DIST_PLNT - WORKSHEET B
Sheet 2 of 3

LOOP COST ANALYSIS TOOL

ACCOUNT INVESTMENT WORKSHEET

Belcore (R)
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:33

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 3 - BUSINESS ISDN

PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE VARI	RESOURCE ALLOCATION	1996 UNIT INVESTMENT BY ACCOUNT	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LNE FILL	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	
				COST EQUATION		SHARED RESOURCES	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES
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

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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.

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 3 - BUSINESS ISDN

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:33

1996 UNIT LOOP INVESTMENT BY ACCOUNT

1996 UNIT ANNUAL COSTS BY ACCOUNT

1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT

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 [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			0.3881				
CONDUIT	4C	1.0000			0.2322				
TOTALS			\$ 0	\$ 75		\$ 0.00	\$ 29.42	\$ 0.00	\$ 2.45

NOTICE: PRIOR TO RELEASE TO PUBLIC, PROVIDED TO FCC

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.

CA123R24LCATCALCWDIST				LOOP COST ANALYSIS TOOL				Bellcore ^(R)	
DIST_PLNT - REPORT 14A				PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release : 1.0.4	
Sheet 1 of 3				COMPANY: CINCINNATI BELL TEL.				Issue Date : 8/31/95	
CITY / AREA: CINCINNATI				FACILITY TYPE: COPPER CABLE				STUDY YR: 1996	
STATE / PROV: OHIO				CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-CC, LOC)				TEST CASE: 1	
				SERVICE CLASS: BAND 3 - BUSINESS SDN				RUN DATE: 27-Jan-97	
								TIME: 14:33	
logic-14a				1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(See Note)	
BAND MIX				0				TOTAL	
ACCT AVG.				1.0000				AVG. WEIGHTED	
PLANT ITEM				CODE				INVESTMENT	
SEG. LGTH.				27360					
				3479.0				3479	
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	\$ 8.10						\$ 8.10
34	BURIED CABLE (COPPER)	45C	\$ 8.30						\$ 8.30
35	UNDERGROUND (CU) CA.	5C							\$ 0.00
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	\$ 1.93						\$ 1.93
48	CONDUIT	4C							\$ 0.00
SPAN SUMMARY				\$ 18.33	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
AVG. WTD. SPAN SUMMARY				\$ 18.33	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
NOTE:				[sum(INV _{ACCT} * BAND * MIX ^{BAND})]				\$ 18.33	

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C:\123R24\LCAT\CALC\DIST			LOOP COST ANALYSIS TOOL		Bellcore®	
DIST PLNT - REPORT 143			PROSPECTIVE INVESTMENT WORKSHEET SUMMARY		LCAT	
Sheet 1 of 1			CIRCUIT SEGMENT : SERVICE ACCESS		Release : 1.0.4	
COMPANY: CINCINNATI BELL TEL			SERVICE CLASS: BAND 3 - BUSINESS ISDN		STUDY YR: 1996	
CITY / AREA: CINCINNATI					TEST CASE: 1	
STATE / PROV: OHIO					RUN DATE: 27-Jan-97	
					TIME: 14:33	
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT						
0				ALL		
1						
2						
3						
4	PLANT ITEM	PLANT ACCT CODE	BAND MIX AVG. LGTH.			
5						
6	SHARED RESOURCES					
7	LAND	20C				
8	BUILDING	10C				
9	BLDG ENTRANCE CABLE	12C				
10	INTRABLDG CABLE	52C				
11	AERIAL CABLE (COPPER)	22C				
12	BURIED CABLE (COPPER)	45C				
13	UNDERGROUND (CU) CA.	5C				
14	CO EQPT - P GAIN TERM	257C				
15	CO EQPT - P GAIN CHAN	257C				
16	CO EQPT - FO MUX TERM	857C				
17	CO EQPT - FO MUX CHAN	857C				
18	CO EQPT - ANALOG SW	77C				
19	CO EQPT - DIGITAL SW	377C				
20	AERIAL CABLE (FIBER)	822C				
21	BURIED CABLE (FIBER)	845C				
22	UNDERGROUND (FO) CA.	85C				
23	CONNECTORS	57C				
24	MISC. COM EQP & PWR	57C				
25	POLE LINE	1C				
26	CONDUIT	4C				
27						
28	DIRECT RESOURCES					
29	LAND	20C				
30	BUILDING	10C				
31	BLDG ENTRANCE CABLE	12C	2.45			
32	INTRABLDG CABLE	52C				
33	AERIAL CABLE (COPPER)	22C				
34	BURIED CABLE (COPPER)	45C				
35	UNDERGROUND (CU) CA.	5C				
36	CO EQPT - P GAIN TERM	257C				
37	CO EQPT - P GAIN CHAN	257C				
38	CO EQPT - FO MUX TERM	857C				
39	CO EQPT - FO MUX CHAN	857C				
40	CO EQPT - ANALOG SW	77C				
41	CO EQPT - DIGITAL SW	377C				
42	AERIAL CABLE (FIBER)	822C				
43	BURIED CABLE (FIBER)	845C				
44	UNDERGROUND (FO) CA.	85C				
45	CONNECTORS	57C				
46	MISC. COM EQP & PWR	57C				
47	POLE LINE	1C				
48	CONDUIT	4C				
49						
50	SPAN TOTAL		\$ 2.45			
51						
52						
53						
54						
55						

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RUN - SUB PRI

LAST UPDATE

27-Jan-97

14:25

LOOP COST ANALYSIS TOOL**Belcore^(R)**

LCAT

Release: 1.0.4

Issued: 7/31/95

FEEDER SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 3 (OHIO ONLY) BUSINESS ISDN 18001 FEET - INFINITY

CURRENT TEST PLAN : CURRENT JOB IDENT. CINCINNATI

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

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PRIOR TO 1997
PROVIDED TO 1997

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CA123R24LCATCALC.CUTECH
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 3 - BUSINESS ISDN

Bellicore (M)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1995
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:34

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

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2 RELATIVE MIX OF TYPE OF CA. PLANT [B]	LENGTH SUBSET BY TYPE OF PLANT [C=A*B]	FROM TABLE 4 MLD CABLE DESIGN INVEST. PER PAIR FOOT [D]	CABLE INVESTMENT PER PAIR [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR [E*fcfr]	DROP WIRE ADJUSTMENT PER PAIR [E*fcfr]	WEIGHTED DROP WIRE ADJUSTMENT PER PAIR [UI*DTC]
300	AERIAL	0.810000	243.00	0.011300	2.75		0.00	0.00	
MELDED GAUGE/S/	BURIED	0.040000	12.00	0.018900	0.23		0.00	0.00	
COPPER									
CABLE	UNDERGRND	0.150000	45.00	0.012000	0.54		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 $\text{inv / unit lath: inv rltm fctr:}$
27 POLE LINE FACTOR = 0.000000 0.253000
28 POLE LINE INVESTMENT = \$ 1.16
29 (UTIL AERIAL INVEST x PL)
30
31 UG CONDUIT FACTOR = 0.000000 0.516500
32 CONDUIT INVESTMENT = \$ 0.48
33 (UTIL UNDGRND INVEST x UC)
34
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 * fctr = INVESTMENT x DROP WIRE ADJUSTMENT FACTOR (MISCA or MISCB)
50 NOTE 3: UI * DTC = UNIT INVESTMENT x PROBABILITY OF OCCURENCE.
51 NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).

MISC. COMMON EQPT. & POWER FACTOR = 0.112700
MCE&P INVESTMENT (CO CONN x FACTOR) = \$ 0.00
LAND FACTOR = 0.00560
LAND NVST (CO CONN + MCE&P) x FACTOR = \$ 0.00
BUILDING FACTOR = 0.13160
BLDG NVST (CO CONN + MCEP) x FACTOR = \$ 0.00
PERCENT OF CO CONN AT DIGITAL SWITCHES 100.0000
PERCENT OF CO CONN AT ANALOG SWITCHES 0.0000

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SUB_PRI - WORKSHEET
Sheet 2 of 3

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

ACCOUNT INVESTMENT WORKSHEET
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB-PRIMARY

SERVICE CLASS: BAND 3 - BUSINESS ISDN

Belcore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 27-Jan-97
TIME: 14:34

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	2.75	1		\$ 3	0.6000		\$ 5
13 BURIED CABLE (COPPER)	45C	V	DIRECT	0.23	1		\$ 0	0.6000		\$ 0
4 UNDERGROUND (CU) CA.	5C	V	DIRECT	0.54	1		\$ 1	0.6000		\$ 1
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	1.16	1		\$ 1	1.0000		\$ 1
27 CONDUIT	4C	F	DIRECT	0.46	1		\$ 0	1.0000		\$ 0
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										
54										
55										
TOTALS										

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NOTICE: APPARENT INCONSISTENCIES BETWEEN COLUMNS F AND H (H') ARE CAUSED BY COMPUTER ROUNDING.
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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/S/ SCS-PRIMARY
SERVICE CLASS: BAND 3 - BUSINESS ISDN

Belcore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE:
RUN DATE: 27-Jan-97
TIME: 14:34

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		\$ 5	0.4033		\$ 1.85		\$ 0.15
13 BURIED CABLE (COPPER)	45C	1.0000		\$ 0	0.3467		\$ 0.13		\$ 0.01
14 UNDERGROUND (CU) CA.	5C	1.0000		\$ 1	0.3663		\$ 0.33		\$ 0.03
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			0.2963				
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		\$ 1	0.3807		\$ 0.44		\$ 0.04
27 CONDUIT	4C	1.0000		\$ 0	0.2521		\$ 0.12		\$ 0.01
28									
29 SUBTOTALS			\$ 0	\$ 7		\$ 0.00	\$ 2.86	\$ 0.00	\$ 0.24
30									
31 TOTALS				\$ 7			\$ 2.86		\$ 0.24
32				culpinvsy			culpac		culpmrc
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47 FOOTNOTES									
48 NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.									
49 NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION,									
50									
51									
52									
53									
54									
55									

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C:\123R24\LCAT\ALC\LCUTECH		LOOP COST ANALYSIS TOOL				Bellcore (R)	
SUB_PRI - REPORT 14		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 1		COMPANY: CINCINNATI BELL TEL		FACILITY SEGMENT: SUB-PRIMARY PLANT		Issue Date: 7/31/95	
CITY / AREA: CINCINNATI		STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN		STUDY YR: 1996	
						TEST CASE: 1	
						RUN DATE: 27-Jan-97	
						TIME: 14:34	
0		logic-14a				1996 UNIT MONTHLY RECURRING COST BY ACCOUNT	
1		BAND				(SEE NOTE)	
2		MIX				TOTAL	
3		1.0000				AVG. WEIGHTED	
4		PLANT ITEM					
5		ACCT CODE					
6		AVG. LGTH					
7		27360					
8		SEG. LGTH					
9		300					
10		SHARED RESOURCES					
11		LAND				20C	
12		BUILDING				10C	
13		BLDG ENTRANCE CABLE				12C	
14		INTRABLDG CABLE				52C	
15		AERIAL CABLE (COPPER)				22C	
16		BURIED CABLE (COPPER)				45C	
17		UNDERGROUND (CU) CA.				5C	
18		CO EQPT - P GAIN TERM				257C	
19		CO EQPT - P GAIN CHAN				257C	
20		CO EQPT - FO MUX TERM				857C	
21		CO EQPT - FO MUX CHAN				857C	
22		CO EQPT - ANALOG SW				77C	
23		CO EQPT - DIGITAL SW				377C	
24		AERIAL CABLE (FIBER)				822C	
25		BURIED CABLE (FIBER)				845C	
26		UNDERGROUND (FO) CA.				85C	
27		CONNECTORS				57C	
28		MISC. COM EQP & PWR				57C	
29		POLE LINE				1C	
30		CONDUIT				4C	
31		DIRECT RESOURCES					
32		LAND				20C	
33		BUILDING				10C	
34		BLDG ENTRANCE CABLE				12C	
35		INTRABLDG CABLE				52C	
36		AERIAL CABLE (COPPER)				22C	
37		BURIED CABLE (COPPER)				45C	
38		UNDERGROUND (CU) CA.				5C	
39		CO EQPT - P GAIN TERM				257C	
40		CO EQPT - P GAIN CHAN				257C	
41		CO EQPT - FO MUX TERM				857C	
42		CO EQPT - FO MUX CHAN				857C	
43		CO EQPT - ANALOG SW				77C	
44		CO EQPT - DIGITAL SW				377C	
45		AERIAL CABLE (FIBER)				822C	
46		BURIED CABLE (FIBER)				845C	
47		UNDERGROUND (FO) CA.				85C	
48		CONNECTORS				57C	
49		MISC. COM EQP & PWR				57C	
50		POLE LINE				1C	
51		CONDUIT				4C	
52		SPAN SUMMARY				\$ 0.24 \$ 0.00 \$ 0.00	
53		AVG. WTD. SPAN SUMMARY				\$ 0.24 \$ 0.00 \$ 0.00	
54		NOTE: [sum(INV _{ACCT} ^{BAND} * MIX ^{BAND})]					

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RUN - CDLC PLANT

LAST UPDATE
27-Jan-97
14:26

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 3 (OHIO ONLY) BUSINESS ISDN 18001 FEET - INFINITY INTRASTATE

CURRENT TEST PLAN : CURRENT JOB IDENT. CINCINNATI

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

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LOOP COST ANALYSIS TOOL										Bellcore	
BASIC INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET										Issue Date: 9/31/95	
FOR: DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY										STUDY YR: 1996	
FACILITY TYPE: COPPER DIG LCOP CXR										TEST CASE: 1	
CIRCUIT DESIGN: 11C										DATE: 27-Jan-97	
SERVICE CLASS: BAND 3 - BUSINESS ISDN										TIME: 02:35 PM	
COMPANY: CINCINNATI BELL TEL CITY / AREA: CHIO STATE / PROV: CINCINNATI											
27360 cur. length 300 cur. star-length f = 0.125 pgrfactor.											
CABLE COMPONENTS (NOTE 5)											
(NOTE 4)											
(NOTE 5)											
1	2	3	4	5	6	7	8	9	10	11	12
SEGMENT LENGTH IN FEET	TYPE OF CABLE	RELATIVE MIX OF TYPE OF PLANT	EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT	MELDED INVEST. PER UNIT FOOT	CABLE INVESTMENT PER CHAN	WEIGHTED TERMINAL INVESTMENT	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR	WEIGHTED DROP WIRE INVESTMENT PER PAIR		
[A]		[B]	[C=A*B*f]	[D]	[E=C*D]	[U1*DTC]	[E*factr]	[E*factr]	[U1*DTC]		
23581	AERIAL	0.810000	2387.58	0.022500	\$ 53.96		\$ 0.00				
CO TO RT LINK	ON	BURIED	0.040000	117.91	0.037800	\$ 4.46	\$ 0.00				
COPPER CABLE DLC											
24.00 GA. FACILITIES	UNDERGRND	0.150000	442.14	0.024000	\$ 10.81		\$ 0.00				
		1.000000									
OUTSIDE PLANT LOADINGS (NOTE 5):											
ADJUST. / LOAD FACTORS TO AERIAL PFI											
ADJUST. / LOAD FACTORS TO BURIED PFI											
ADJUST. / LOAD FACTORS TO UGD PFI											
DLC EQUIPMENT INVEST. (NOTE 2):											
INT DLC EQUIP INVEST. (CU COMUX) =											
INT DLC EQUIP INVEST. (CU RTMUX) =											
UNIV DLC EQUIP INVEST. (CU COMUX) =											
UNIV DLC EQUIP INVEST. (CU RTMUX) =											
DLC EQUIP INVEST. (CU LINE) =											
CONDUIT INVEST. FOR DLC CEV FACILITIES =											
OTHER INVESTMENT											
POLE LINE FACTOR (PLf) =											
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) =											
UGD CONDUIT FACTOR (UCf) =											
CONDUIT INVESTMENT (UTIL UNDGRD INVEST x UCf) =											
EQUIPMENT INVESTMENT LOADINGS											
INVT. PER CHAN. FOR DLC TERM (co conn) =											
MISC. COM. EQPT. & POWER FACTOR FOR DLC (rem) =											
MISC. COM. EQPT. & POWER FACTOR FOR DLC (c.o.) =											
MCE&P INVT. (CU REMMUX x MCEP) =											
MCE&P INVT. (CDLCMUX x MCEP) =											
MCE&P INVT. (CO CONN x MCEP) =											
OTHER INVESTMENT											
LAND FACTOR FOR DLC (LANDf rem) =											
LAND FACTOR FOR DLC (LANDf c.o.) =											
LAND INVT. (CU COMUX + MCEP) x LANDf =											
LAND INVT. ((CO CONN + MCEP) x LANDf) =											
BUILDING FACTOR FOR DLC (BLDGf rem) =											
BUILDING FACTOR FOR DLC (BLDGf c.o.) =											
BLDG INVT. (CDLCMUX + MCEP) x BLDGf =											
BLDG INVT. ((CO CONN + MCEP) x BLDGf) =											
LOOP TOPOLOGY											
AVERAGE NUMBER OF HUBS											
ADDITIONAL LENGTH OF WIRE OSP REQUIRED											
MIX OF CENT. OFC. ANALOG INTFC											
MIX OF CENT. OFC. DIGITAL INTFC											
MIX OF UNIVERSAL DLC INTFC											
MIX OF INTEGRATED DIGITAL INTFC											
STAR											
NA											
NA											
0.0000											
1.0000											
1.0000											
0.0000											
FOOTNOTES											
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.											
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.											
NOTE 3: TABLE 4 DEVELOPMENT IS SHOWN ON WORKSEET B; FOR 4 WIRE SERVICES, TABLE 4 IS MULT BY 2.											
NOTE 4: THIS ADJUSTMENT MAY ONLY BE TAKEN AGAINST COPPER PLANT.											
NOTE 5: ALL DROP WIRE AND PREMISES CONN. INVEST. IS INCLUDED IN THE APPROPRIATE CABLE ACCOUNT ON THE BUILDING CABLE & TERMINATION WORKSHEET AND INCORPORATED INTO WORKSHEET E.											

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LOOP COST ANALYSIS TOOL										Bellcore®	
ACCOUNT INVESTMENT WORKSHEET										LCAT Release: 1.0.4	
CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET										Issue Date: 8/31/95	
FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY										STUDY YR: 1996	
FACILITY TYPE: COPPER DIG LOOP CXR										TEST CASE: 1	
CIRCUIT DESIGN: T/C										DATE: 27-Jan-97	
SERVICE CLASS: BAND 3 - BUSINESS ISDN										TIME: 02:35 PM	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: OHIO STATE / PROV: CINCINNATI											
PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION		
				COST EQUATION [F]		SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]		SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]	
LAND	20C	F	SHARED	5.56	1	\$ 6		1.0000	\$ 6		
BUILDING	10C	F	SHARED	130.69	1	\$ 131		1.0000	\$ 131		
BLDG ENTRANCE CABLE	12C	---	---					1.0000			
INTRABLDG CABLE	52C	---	---					0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT	53.96	1		\$ 54	0.8000		\$ 90	
BURIED CABLE (COPPER)	45C	V	DIRECT	4.46	1		\$ 4	0.8000		\$ 7	
UNDERGROUND (CU) CA.	5C	V	DIRECT	10.61	1		\$ 11	0.8000		\$ 18	
CO EQPT - P GAIN TERM	257C	F	DIRECT	236.15	1		\$ 236	0.7000		\$ 337	
CO EQPT - P GAIN CHAN	257C	V	DIRECT	710.72	1		\$ 711	0.7000		\$ 1,015	
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	45.20	1	\$ 45		1.0000			
POLE LINE	1C	F	DIRECT	22.75	1		\$ 23	1.0000		\$ 23	
CONDUIT	4C	F	DIRECT	9.13	1		\$ 9	1.0000		\$ 9	
TOTALS											

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PRIOR TO RELEASE TO PUBLIC

PROVIDED TO PERS. ONLY

\$ 1,500

\$ 1,651

FOOTNOTES

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

C:\123R24\LCATCALC\LCUPRGN		LOOP COST ANALYSIS TOOL								Bellicore	
CDLC PLANT - WORKSHEET 1		PROSPECTIVE AND ANNUAL COSTS WORKSHEET								LCAT Release: 1.0.4	
Sheet 3 of 3		CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET								Issue Date: 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 / PROV: CINCINNATI		CIRCUIT DESIGN: T1C								DATE: 27-Jan-97	
		SERVICE CLASS: SAND3 - BUSINESS (SON)								TIME: 02:35 PM	
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	\$ 6		0.2322	\$ 1.29		\$ 0.11			
BUILDING	10C	1.0000	\$ 131		0.2937	\$ 38.38		\$ 3.20			
BLDG ENTRANCE CABLE	12C	1.0000			0.3922						
INTRABLDG CABLE	52C	1.0000			0.3922						
AERIAL CABLE (COPPER)	22C	1.0000		\$ 90	0.4033		\$ 36.27		\$ 3.02		
BURIED CABLE (COPPER)	45C	1.0000		\$ 7	0.3467		\$ 2.58		\$ 0.21		
UNDERGROUND (CU) CA.	5C	1.0000		\$ 18	0.3663		\$ 6.48		\$ 0.54		
CO EQPT - P GAIN TERM	257C	1.0000		\$ 337	0.3881		\$ 130.93		\$ 10.91		
CO EQPT - P GAIN CHAN	257C	1.0000		\$ 1,015	0.3881		\$ 394.04		\$ 32.84		
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			0.2963						
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	\$ 45		0.3881	\$ 17.54		\$ 1.46			
POLE LINE	1C	1.0000		\$ 23	0.3807		\$ 8.66		\$ 0.72		
CONDUIT	4C	1.0000		\$ 9	0.2521		\$ 2.30		\$ 0.19		
TOTALS			\$ 181	\$ 1,500		\$ 57.22	\$ 638.48	\$ 49.78	\$ 41.44		
				\$ 1,681			\$ 638.48		\$ 53.21		
				FEED1SY			FEED1ANN		FEED1MRC		

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

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C:\123R24\LCAT\CALC\CUPRGN		LOOP COST ANALYSIS TOOL				Bellcore [®]	
CDLC PLANT - REPORT 14.1		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 3		COMPANY: CINCINNATI BELL TEL. FACILITY SEGMENT: PRIMARY FEEDER SEGMENT				Issue Date: 8/31/96	
CITY / AREA: CINCINNATI		CIRCUIT DESIGN: 1 COPPER DIG LOOP CXR				STUDY YR: 1996	
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN				TEST CASE:	
						DATE: 27-Jan-97	
						TIME: 02:35 PM	
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT							
(SEE NOTE)							
						TOTAL	
						AVG. WEIGHTED	
						INVESTMENT	
						23581	
SHARED RESOURCES							
LAND	20C		\$ 0.11				\$ 0.11
BUILDING	10C		\$ 3.20				\$ 3.20
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		\$ 1.46				\$ 1.46
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		\$ 3.02				\$ 3.02
BURIED CABLE (COPPER)	45C		\$ 0.21				\$ 0.21
UNDERGROUND (CU) CA.	5C		\$ 0.54				\$ 0.54
CO EQPT - P GAIN TERM	257C		\$ 10.91				\$ 10.91
CO EQPT - P GAIN CHAN	257C		\$ 32.84				\$ 32.84
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		\$ 0.72				\$ 0.72
CONDUIT	4C		\$ 0.19				\$ 0.19
SPAN SUMMARY		53.21	0.00	0.00	0.00	0.00	53.21
AVG. WTD. SPAN SUMMARY		53.21	0.00	0.00	0.00	0.00	53.21
NOTE: [sum(INV _{ACCT} * MIX _{MANU})]							

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C:\123R24\LCATCALC\FOPRGN

Bellcore (R)

RUN - FO MUX

LAST UPDATE

27-Jan-97

14:27

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 3 (OHIO ONLY) BUSINESS ISDN 18001 FEET - INFINITY INTF

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
		ANN COST

....your run is finished

PRIOR

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LOOP COST ANALYSIS TOOL										Bellcore [®]	
BASIC INVESTMENT WORKSHEET										LCAT Rel: 1.0.4	
FOR PRIMARY FEEDER PLANT										ISSUE DATE: 7/31/95	
FACILITY TYPE: FIBER IN THE LOOP										STUDY YR: 1996	
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 3 - BUSIN SERVICE LEVEL: NARBAND										LAST RUN: 27-Jan-97	
										TIME: 14:37	
C:\123R24\LCAT\CALC\FOPRGN.WK1											
FO_MUX - WORKSHEET 3											
Sheet 1 of 3											
COMPANY: CINCINNATI BELL TEL											
CITY / AREA: CINCINNATI											
STATE / PROV: OHIO											
from star_tbl: from bw_mix: f = 1979.04 wtdsqvmm											
300 cur_sfdlength 15620.5 cur_prlength											
SEGMENT LENGTH IN FEET											
TYPE OF CABLE PLANT											
RELATIVE MIX OF TYPE OF CA. PLANT											
EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT											
MISC. CABLE DESIGN INVEST. PER FAIR FOOT											
WEIGHTED EFFECTIVE LGTH CABLE INVESTMENT											
WEIGHTED TERMINAL INVESTMENT											
AIR DRYER INVESTMENT PER PAIR											
DROP WIRE ADJUSTMENT PER PAIR											
DROP WIRE INVESTMENT PER PAIR											
CO TO HUB LINK ON FIBER OPTIC FACILITIES											
AERIAL BURIED UNDERGRND											
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) =											
INT DLC EQUIP INVEST. (CU RTMUX) =											
UNIV DLC EQUIP INVEST. (CU COMUX) =											
UNIV DLC EQUIP INVEST. (CU RTMUX) =											
FIBER MUX EQUIP. INV. (FO COMUX) =											
FIBER MUX EQUIP. INV. (FOR TMUX) =											
OTHER INVESTMENT											
POLE LINE FACTOR (PLF) =											
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) =											
UNDERGROUND CONDUIT FACTOR (PLF) =											
CONDUIT INVESTMENT (UTIL UNDGRND INVEST x UCf) =											
LOOP TOPOLOGY											
STAR											
AVERAGE NUMBER OF HUBS											
ADDITIONAL LENGTH OF RING OSP REQUIRED											
MIX OF CENT. OFC. ANALOG INTFC											
MIX OF CENT. OFC. DIGITAL INTFC											
MIX OF UNIVERSAL DLC INTFC											
MIX OF CENT. OFC. INTEGRATED DLC INTFC											
FOOTNOTES											
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.											
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED											
NOTE 3: TABLE 4 DEVELOPMENT IS SHOWN ON WORKSHEET B; FOR 4 WIRE SERVICES, TABLE 4 IS MULT BY 2.											
NOTE 4: THIS ADJUSTMENT MAY ONLY BE TAKEN AGAINST COPPER PLANT.											
NOTE 5: ALL DROP WIRE AND PREMISES CONN. INVEST. IS INCLUDED IN THE APPROPRIATE CABLE ACCOUNT ON THE BUILDING CABLE & TERMINATION WORKSHEET AND INCORPORATED INTO WORKSHEET E.											

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LOOP COST ANALYSIS TOOL										Bellcore (R)	
ACCOUNT INVESTMENT WORKSHEET										LCAT Rel: 1.0.4	
FOR PRIMARY FEEDER PLANT										ISSUE DATE: 7/31/95	
FACILITY TYPE: FIBER IN-THE-LOOP										STUDY YR: 1995	
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 3 - BUSINSERVICE LEVEL: NARBAND										LAST RUN: 27-Jan-97	
										TIME: 14:37	
PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1995 UNIT INVESTMENTS BY ACCOUNT COST EQUATION	CIRCUIT QUANTITY	1995 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES	DIRECT RESOURCES	ADMIN. UTIL. LINE FILL	1995 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES	DIRECT RESOURCES	
				[F]	[G]	[H=F*G]	[H'=F*G]	[J]	[K=H/J]	[K'=H'/J]	
LAND	20C	F	SHARED	6.23	1	\$ 6		1.0000	\$ 6		
BUILDING	10C	F	SHARED	146.50	1	\$ 146		1.0000	\$ 146		
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	180.87	1		\$ 181	0.7000		\$ 258	
CO EQPT - LOW CAP CHAN	257C	V	DIRECT	710.72	1		\$ 711	0.7000		\$ 1,015	
CO EQPT - HI CAP TERM	857C	F	DIRECT	67.46	1		\$ 67	1.0000		\$ 67	
CO EQPT - HI CAP CHAN	857C	F	DIRECT	102.97	1		\$ 103	1.0000		\$ 103	
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	1.86	1		\$ 2	0.3300		\$ 6	
BURIED CABLE (FIBER)	845C	F	DIRECT	0.00				0.3300			
UNDERGROUND (FO) CA.	85C	F	DIRECT	0.50	1		\$ 1	0.3300		\$ 2	
CONNECTORS	57C	V	DIRECT	0.00				1.0000			
MISC. COM EQP & PWR	57C	V	SHARED	51.18	1	\$ 51		1.0000	\$ 51		
POLE LINE	1C	F	DIRECT	1.11	1		\$ 1	1.0000		\$ 1	
CONDUIT	4C	F	DIRECT	0.80	1		\$ 1	1.0000		\$ 1	
CONFIDENTIAL											
NOTICE NOT TO BE RELEASED											
PRIOR TO RELEASE \$ 204											
PROVIDED TO FCC \$ 1,657											
feed3ly											
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 3 - BU; SERVICE LEVEL: NARBAND										LAST RUN: 27-Jan-97	
										TIME: 14:37	
1996 UNIT LOOP INVESTMENT BY ACCOUNT											
1996 UNIT ANNUAL COSTS BY ACCOUNT											
1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT											
PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI	1996 SHARED RESOURCES fo3sixaset	1996 DIRECT RESOURCES fo3sixaset	ANNUAL COST FACTOR acfstart	1996 SHARED RESOURCES	1996 DIRECT RESOURCES	1996 SHARED RESOURCES fo3sixaset	1996 DIRECT RESOURCES fo3sixaset		
[PREVIOUS SHEET SUMMARY]		[L]	[M=K*L]	[M'=K'*L]	[N]	[P=M*N]	[P'=M'*N]	[Q=P/12]	[Q'=P'/12]		
LAND	20C	1.0000	\$ 6		0.2322	\$ 1.45		\$ 0.12			
BUILDING	10C	1.0000	\$ 146		0.2937	\$ 43.03		\$ 3.59			
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			0.3683						
CO EQPT - LOW CAP TERM	257C	1.0000		\$ 258	0.3681		\$ 100.28			\$ 8.36	
CO EQPT - LOW CAP CHAN	257C	1.0000		\$ 1,015	0.3681		\$ 394.04			\$ 32.84	
CO EQPT - HI CAP TERM	857C	1.0000		\$ 67	0.3681		\$ 25.18			\$ 2.18	
CO EQPT - HI CAP CHAN	857C	1.0000		\$ 103	0.3681		\$ 39.96			\$ 3.33	
CO EQPT - ANALOG SW	77C	1.0000			0.0000						
CO EQPT - DIGITAL SW	377C	1.0000			0.3458						
AERIAL CABLE (FIBER)	822C	1.0000		\$ 6	0.2983		\$ 1.68			\$ 0.14	
BURIED CABLE (FIBER)	845C	1.0000			0.2724						
UNDERGROUND (FO) CA.	85C	1.0000		\$ 2	0.2689		\$ 0.41			\$ 0.03	
CONNECTORS	57C	1.0000			0.3681						
MISC. COM EQP & PWR	57C	1.0000	\$ 51		0.3681	\$ 19.86		\$ 1.66			
POLE LINE	1C	1.0000		\$ 1	0.3807		\$ 0.42			\$ 0.04	
CONDUIT	4C	1.0000		\$ 1	0.2521		\$ 0.20			\$ 0.02	
TOTALS			\$ 204	\$ 1,453		\$ 64.34	\$ 563.19	\$ 5.36		\$ 46.93	
				\$ 1,657			\$ 827.52			\$ 69.29	
				feed3ay			feed3ann			feed3mrc	
NOTICE: PRICE IS SUBJECT TO PUBLIC PROVIDED TO FUCO											
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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CA123R24\LCATCALC\FOPRGN.WK1		LOOP COST ANALYSIS TOOL				Bellcore (R)	
FO_MUX - REPORT 14.3		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
Sheet 1 of 1		FOR PRIMARY FEEDER PLANT				ISSUE DATE: 7/31/95	
COMPANY: CINCINNATI BELL TEL.		FACILITY TYPE: FIBER IN THE LOOP				STUDY YR: 1996	
CITY / AREA: CINCINNATI		CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.				TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - BUSIN SERVICE LEVEL: NARBAND				LAST RUN: 27-Jan-97	
						TIME: 14:37	
data - 14a3		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				
		SEG LGTH	27360				
			23581				23581
SHARED RESOURCES							
7	LAND	20C		\$ 0.12			\$ 0.12
8	BUILDING	10C		\$ 3.59			\$ 3.59
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		\$ 1.66			\$ 1.66
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					\$ 0.00
34	BURIED CABLE (COPPER)	45C					\$ 0.00
35	UNDERGROUND (CU) CA.	5C					\$ 0.00
36	CO EQPT - LOW CAP TERM	257C		\$ 8.36			\$ 8.36
37	CO EQPT - LOW CAP CHAN	257C		\$ 32.84			\$ 32.84
38	CO EQPT - HI CAP TERM	857C		\$ 2.18			\$ 2.18
39	CO EQPT - HI CAP CHAN	857C		\$ 3.33			\$ 3.33
40	CO EQPT - ANALOG SW	77C					\$ 0.00
41	CO EQPT - DIGITAL SW	377C					\$ 0.00
42	AERIAL CABLE (FIBER)	822C		\$ 0.14			\$ 0.14
43	BURIED CABLE (FIBER)	845C					\$ 0.00
44	UNDERGROUND (FO) CA.	85C		\$ 0.03			\$ 0.03
45	CONNECTORS	57C					\$ 0.00
46	MISC. COM EQP & PWR	57C					\$ 0.00
47	POLE LINE	1C		\$ 0.04			\$ 0.04
48	CONDUIT	4C		\$ 0.02			\$ 0.02
50	SPAN SUMMARY		52.29	0.00	0.00	0.00	\$ 52.29
52	AVG. WTD. SPAN SUMMARY		52.29	0.00	0.00	0.00	
NOTE: [sum(INV _{ACCT} * MIX ^{BAND})]							

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C:\123R24\LCATR038\COSTMETH

LOOP COST ANALYSIS TOOL

Bellcore (TM)

TABLE - COST_METH
SHEET 1 of 2COST METHODS ASSIGNMENT TABLE
DISTRIBUTION SEGMENT

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1996

TEST CASE: 1

LAST UPDATE: 29-Oct-96

TIME: 10:38

COMPANY: CINCINNATI BELL TEL
STATE: OHIO

SWITCHED SERVICES

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 - PAIRS (NON-MULTIPLIED) 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.

C:\123R24\LCATR038\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

C:\123R24\LCATR038\LCOSTMETH

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: 1999
TEST CASE: 1
LAST UPDATE: 29-Oct-96
TIME: 10:38

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

FOOTNOTES

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

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C:\123R24\LCATR038\CCSTMETH
TABLE - COST_METH
Sheet 2 of 2

HELP SCREEN**Belcore** (R)

LCAT Rel : 1.0.4

Issued : 07/31/95

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

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

PRESS <ENTER> TO RETURN TO THE MAIN MENU

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CA123R24\LCATR038\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore [®]	
INPUT - STUDY SETUP		GENERAL STUDY REQUIREMENTS		TODAY IS: 17-Jan-97	
LCAT Rel.: 1.0.4				LAST UPDATE:	
Issue Date: 3/31/95				29-Oct-96 10:36 AM	
STUDY NAME		1996 BAND 3 (OHIO ONLY) BUSINESS ISDN 18001 FEET - INFINITY INTRASTATE			
COMMENTS					
SERVICE CLASS		BAND 3 - BUSINESS ISDN		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			
DIGITAL LOOP CARRIER FACILITIES INCLUDED IN THE STUDY:					
		Type Percent Mix:			
		100 FIBER IN THE LOOP			
		0 COPPER DIG LOOP CXR			

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C:\123R24\LCATR038\CRITERIA		HELP SCREEN	Belcore TM
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 <u>percent of technology mix</u> , the Facility types in the loop network that support the service/s/ under study or enter an 'X' to denote inclusion.		
CELL DENSITY	Select by entering the percent of cell density mix, based upon the scope of the jurisdiction and the definitions of the cell layers: C1, C2, C3, C4; which represent the VERY HIGH, HIGH, MEDIUM, LOW qualifiers, such as. METRO, URBAN, SUBURBAN, and RURAL.		
***** PLEASE REFER TO THE USER MANUAL FOR INFORMATION *****			
***** CONCERNING ANY OTHER DATA INPUT ITEMS ON THIS DISPLAY *****			
PRESS < Enter > KEY TO RETURN TO THE MAIN MENU			

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C:\123R24\LCATR038\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 3 - BUSINESS ISDN		LCAT Rel. 1.0.4 ISSUED: 3/31/95 STUDY YEAR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:38 AM							
SELECTED QUESTIONS											
CONCERNING - SERVICE SPEC.	1. Is this Study for a NEW Installation or an ADDITION ? 2. Is this Study for a SWITCHED or PRIVATE LINE Service ? 3. Is this Study for Narrow, Wide, or Broadband Services 4. Is this Study for 2 Wire or 4 Wire Transmission ?		VALID RESPONSE SET N or A S or P N, W or B 2 or 4	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>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%; border-collapse: collapse;"> <tr><td>100</td></tr> <tr><td>0</td></tr> <tr><td></td></tr> <tr><td>18000 Feet</td></tr> </table>		100	0		18000 Feet		
100											
0											
18000 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.		For D 1, 2, 3, 4 I, C or A T or M 0-1000	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>FLAT RATE</td></tr> <tr><td>0</td></tr> <tr><td>COST-TYEN</td></tr> <tr><td>TOT INCR</td></tr> <tr><td>107</td></tr> <tr><td>RATES PLAN</td></tr> </table>		FLAT RATE	0	COST-TYEN	TOT INCR	107	RATES PLAN
FLAT RATE											
0											
COST-TYEN											
TOT INCR											
107											
RATES PLAN											

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HELP SCREEN

Bellcore[®]

INPUT - STUDY SETUP

LCAT Rel. 1.0.4

ISSUED: 3/31/95

1. Specify **N** for New Installations or **A** for Addition to existing installations are being studied.
2. Specify **S** for the Switched Services or **P** for the Private Line (Special) Service category.
3. Specify **N** for Narrowband (DS0), **W** for Wideband (DS1), or **B** for Broadband Services category.
4. Specify as **2** for 2-wire or **4** for 4-wire, the circuit transmission paths used by the service/s/ being studied.
5. Specify Digital Switch Mix as a Percentage of Installations over Analog in the Jurisdiction.
6. & 7. Specify Integrated DLC Mix as a Percentage of the DLC equipment requirements,
Using **6.** for Switched Services or Using **7.** for Special (Private Line) Services.
8. Enter in feet, the loop length beyond which only Digital Loop Carrier Technology will be considered
9. Specify **F** for Flat Rate Loop or **D** for Distance Sensitive Bands, for the Cost Structure of the study
- 9A. Enter **1**, **2**, **3**, or **4** to specify either 1/4, 1/2, 3/4, or 1 mile, respectively, band increments in a Distance Sensitive Study
10. Specify the quantity of Cost Bands of Loop Lengths will be studied, for 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.

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

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C:\123R24\LCATR038\DESIGN		LOOP COST ANALYSIS TOOL		Belcore
INPUT - LOOP_DESIGN Sheet 1 / 1 COMPANY :CINCINNATI BELL TEL CITY / AREA :CINCINNATI STATE / PROV :OHIO		CIRCUIT DESIGN REQUIREMENTS CHARACTERISTICS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - BUSINESS ISDN		LCAT Rel :1.0.4 Issued :07/31/95 STUDY YR : 1996 TEST CASE : 1 LAST UPDATE : 29-Oct-96 TIME : 10:39

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	CIRCUIT DESIGN REQUIREMENTS - SELECTION & DISTRIBUTION: Note FOR FIBER DLC DESIGNS: <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:80%;">Weighting of Design #1</td><td style="border: 1px solid black; text-align: center;">0.0000</td></tr> <tr><td>Weighting of Design #2</td><td style="border: 1px solid black; text-align: center;">0.0000</td></tr> <tr><td>Weighting of Design #3</td><td style="border: 1px solid black; text-align: center;">1.0000</td></tr> <tr><td>Weighting of Design #4</td><td style="border: 1px solid black; text-align: center;">NA 0.0000</td></tr> <tr><td>Weighting of Design #5</td><td style="border: 1px solid black; text-align: center;">NA 0.0000</td></tr> <tr><td>Weighting of Design #6</td><td style="border: 1px solid black; text-align: center;">NA 0.0000</td></tr> <tr><td colspan="2" style="border: 1px solid black; text-align: right;">1.0000 ChkSum</td></tr> </table>	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	
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 SERVICE ACCESS NETWORK (REMOTE TERMINAL TO CUSTOMER LINK) FACILITY INTERFACE SITES : Proportion of Remote terminals colocated at Customer Premises 0.0000	FOR COPPER DLC DESIGNS: <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:80%;">Weighting of Design #1</td><td style="border: 1px solid black; text-align: center;">1.0000</td></tr> <tr><td>Weighting of Design #2</td><td style="border: 1px solid black; text-align: center;">NA 0.0000</td></tr> <tr><td colspan="2" style="border: 1px solid black; text-align: right;">1.0000 ChkSum</td></tr> </table>	Weighting of Design #1	1.0000	Weighting of Design #2	NA 0.0000	1.0000 ChkSum	
Weighting of Design #1	1.0000						
Weighting of Design #2	NA 0.0000						
1.0000 ChkSum							

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

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HELP SCREEN

Bellcore

INPUT - LOOP_DESIGN

LCAT Rel :1.0.4

Sheet 1 of 1

Issued :07/31/95

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

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

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

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

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

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

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

CA123R24/LCATR038/FACILITY		LOOP COST ANALYSIS TOOL		Bellcore	
TABLE - SPAN_INV SHEET 1/4		LOOP FACILITY INPUT FIBER CABLE DATA		LCAT Rel: 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 3 - BUSINESS ISDN		TIME: 10:40	
FIBER CABLE INVESTMENT AND CHARACTERISTICS					
CABLE TYPE MIX (DISTRIBUTION TO CODE): Proportion of FIBER cable installations that are		FOR FEEDER SEGMENTS		FOR DISTRIBUTION SEGMENTS	
		AERIAL	0.8100	0.0000	factors
		BURIED	0.0000	0.0000	factors
		UNDGRD	0.1900	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 per fiber pair Foot per fiber pair Foot	
		BURIED	\$ 0.0000		
		UNDGRD	\$ 0.2229		
(to Fiber Hub)					
FEEDER - EXTENSION SEGMENT AND DISTRIBUTION SEGMENT					
Average Unit Investment for FIBER cable.					
Installed as		AERIAL	\$ 0.1930	\$ 0.0000	per fiber pair Foot per fiber pair Foot per fiber pair Foot
		BURIED	\$ 0.0000	\$ 0.0000	
		UNDGRD	\$ 0.2229	\$ 0.0000	
(Fiber Hub to Remote Terminal) (Remote Terminal to Service Point)					

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CA123R24\LCATR038\FACILITY		LOOP COST ANALYSIS TOOL				Bellcore	
TABLE - SPAN INV SHEET 1A / 4		LOOP FACILITY INPUT FIBER CABLE DATA - BY CABLE SHEATH DETAIL FOR				LCAT REV: 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 3 - BUSINESS ISDN				STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:40	
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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C:\123R24\LCATR038\FACILITY
TABLE - SPAN_INV
SHEET 1 / 4

HELP SCREEN

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

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

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CA123R24\LCATRC038\FACILITY		LOOP COST ANALYSIS TOOL						Bellcore			
TABLE - SPAN INV SHEET 2A / 4		LOOP FACILITY INPUT COPPER CABLE DATA - BY CABLE SHEATH DETAIL FOR						LCAT Ver: 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 3 - BUSINESS ISDN						STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:40			
COPPER CABLE INVESTMENT REFERENCE TABLE											
Unit Investment Per Cable Pair Foot, By Cable Gauge, By Cable Type, By Cable Size											
Cable Sheath Sizes	Capacity	Gauge: => INDEX	26 GA.			24 GA.			22 GA.		
			AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40	Copper Cable	20 pr	\$								
50	Copper Cable	25 pr	\$								
80	Copper Cable	40 pr	\$								
100	Copper Cable	50 pr	\$								
140	Copper Cable	70 pr	\$								
200	Copper Cable	100 pr	\$								
400	Copper Cable	200 pr	\$								
600	Copper Cable	300 pr	\$								
800	Copper Cable	400 pr	\$								
1200	Copper Cable	600 pr	\$								
1800	Copper Cable	900 pr	\$								
2400	Copper Cable	1200 pr	\$								
3000	Copper Cable	1500 pr	\$								
3600	Copper Cable	1800 pr	\$								
4200	Copper Cable	2100 pr	\$								
4800	Copper Cable	2400 pr	\$								
5400	Copper Cable	2700 pr	\$								
6000	Copper Cable	3000 pr	\$								
7200	Copper Cable	3600 pr	\$								
8400	Copper Cable	4200 pr	\$								

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C:\123R24\LCATR038\FACILITY
TABLE - SPAN_INV
SHEET 2 / 4

HELP SCREENBellcoreTM

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LCAT

INPUT SCREEN

Page -1-

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C:\123R24\LCATR038\FACILITY.WK1

LOOP COST ANALYSIS TOOL

Belcore (R)

SPAN INV - WORKSHEET
Sheet 1 / 3

Sheet 1 / 3

COPPER CABLE DISTRIBUTIONS MELDING
WORKSHEET A

WORKSHEET A

LCA/HCB/03

Issue Date: 07/31/95

STUDY YR : 1996

TEST CASE : 1996

DATE: 1
ACT 111111 11 11 11

LAST UPDATE: 29-02-96
TIME: 10:00

FILE # 10-40

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

CITY / AREA: CINCINNATI

STATE/PROV: OHIO

FACILITY TYPE: COPPER CABLE
DESIGN TYPE: DISTRIBUTION SEGMENT

DESIGN TYPE : DISTRIBUTION SEGMENT

SERVICE CLASS : BAND 3 - BUSINESS ISDN

MELDED CABLE INVESTMENT PER PAIR FOOT

DISTRIBUTION TO CODE) CABLE TYPE MIX (p...dst)		MELDED CABLE INVESTMENT PER PAIR FOOT			
DATA DESC.		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.	0.580000	\$ 0.041800	0.1500	0.087000	\$ 0.006270
BURIED @ 26 GA.	0.420000	\$ 0.068800	0.1500	0.063000	\$ 0.010320
UNDGRND @ 26 GA.	0.000000	\$ 0.000000	0.1500	0.000000	\$ 0.000000
AERIAL @ 24 GA.	0.580000	\$ 0.041800	0.8500	0.493000	\$ 0.035530
BURIED @ 24 GA.	0.420000	\$ 0.068800	0.8500	0.357000	\$ 0.058480
UNDGRND @ 24 GA.	0.000000	\$ 0.000000	0.8500	0.000000	\$ 0.000000
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		PAIR / FOOT INVESTMENT	PAIR / FOOT INVESTMENT	
	RANGE NAME	MELDED GAUGES		RENORMALIZED AERIAL / BURIED	MELDED GAUGES
CHARACTERISTICS FOR :	[F=sum(Dtype)]		[G=sum(Etype)]	[H=sum(Ftype)]	
AERIAL		0.580000	\$ 0.041800		\$ 0.580000
BURIED		0.420000	\$ 0.068800		\$ 0.420000
UNDERGRD		0.000000	\$ 0.000000		

Check = 1.000000

Check = 1,000,000

FOOTNOTES

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FAIR FOOT INVESTMENT
RENORMALIZED
AERIAL / BURIED

WELDED
GAUGES

(TYPE) [H-F TYPE / (TYPE)]

0
0
0

\$0.580000
\$0.420000
-
Check - 1.000000

C:\123R24\LCATR038\FACILITY.WK1		LOOP COST ANALYSIS TOOL		Bellcore [®]	
SPAN INV = WORKSHEET Sheet 2 / 3		COPPER CABLE DISTRIBUTIONS WELDING WORKSHEET A		LCAT R81: 1.0.4 Issue Date: 07/31/95	
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: 2 AND 3 - BUSINESS ISDN		DATE: 1	
				LAST UPDATE: 29-Oct-96	
				TIME: 10:40	
MELDED CABLE INVESTMENT PER PAIR FOOT					
DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...tdr)	PER FOOT INVESTMENT (pfi...td)	CABLE GAUGE MIX (copper...tdr)	ADJUSTED CABLE TYPE	ADJUSTED PFI
CHARACTERISTICS FOR:	[A]	[B]	[C]	[D=A*C]	[E=B*C]
AERIAL @ 26 GA.	0.810000	\$ 0.011300	0.1500	0.121500	\$ 0.001695
BURIED @ 26 GA.	0.040000	\$ 0.018900	0.1500	0.008000	\$ 0.002835
UNDGRND @ 26 GA.	0.150000	\$ 0.012000	0.1500	0.022500	\$ 0.001800
AERIAL @ 24 GA.	0.810000	\$ 0.011300	0.8500	0.688500	\$ 0.009605
BURIED @ 24 GA.	0.040000	\$ 0.018900	0.8500	0.034000	\$ 0.016065
UNDGRND @ 24 GA.	0.150000	\$ 0.012000	0.8500	0.127500	\$ 0.010200
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	PAIR / FOOT INVESTMENT RANGE NAME	PAIR / FOOT INVESTMENT RANGE NAME	RENORMALIZED AERIAL / BURIED	MELDED GAUGES
CHARACTERISTICS FOR:	[F=sum(D*Type)]	[G=sum(E*Type)]	[H=F*Type / sum(F*Type)]		
AERIAL	0.810000	\$ 0.011300	\$ 0.852941		
BURIED	0.040000	\$ 0.018900	\$ 0.047059		
UNDERGRND	0.150000	\$ 0.012000			
Check = 1.000000		Check = 1.000000		Check = 1.000000	
FOOTNOTES					

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C:\123R24\LCATR038\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore
TABLE - SPAN_INV SHEET 3 / 4		LOOP FACILITY INPUT COPPER PAIR GAIN CABLE DATA		LCAT Rel: 1.0.4 Issued: 07/31/95
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO		FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - BUSINESS ISDN		STUDY YR: 1996 TEST CASE: 11 LAST UPDATE: 29-Oct-96 TIME: 10:40
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 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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CA\123R24\LCATR038\FACILITY
TABLE - SPAN_INV
SHEET 3 / 4

HELP SCREEN

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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 : $pgfactor = (\# \text{ of } xmsnpr + \# \text{ of } suptpr) / vgcheqv$

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C:\123R24\LCATR038\FACILITY.WK1		LOOP COST ANALYSIS TOOL		Bellcore TM	
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: 10:40	
SERVICE CLASS: BAND 3 - BUSINESS ISDN					
INVESTMENT DEVELOPMENT FOR:		MELDED CABLE INVESTMENT PER PAIR FOOT LINE REPEATER EQUIPMENT			
DESCRIPTION	REPEATER SPACING	UNIT REPEATER INVESTMENT	REPEATER INVEST. PER FOOT		
	(A)	(B)	(C=B/A)		
LINE REPEATER AT 26 GA.	3500	\$ 0	\$ 0.000000		
LINE REPEATER AT 24 GA.	4500	\$ 0	\$ 0.000000		
LINE REPEATER AT 22 GA.	5500	\$ 0	\$ 0.000000		
TABLE 4 DEVELOPMENT FOR:		COPPER CABLE UNIT INVESTMENT		FOR DLC Gauge: 24.00	
ADJUSTED PAIR / FOOT INVESTMENT	PAIR / FOOT INVESTMENT	REPEATER BY GAUGE	WORKING CHANNEL INVESTMENT / FOOT	- TABLE 4 - WORKING CHANNEL INVESTMENT / FOOT	
DESCRIPTION	2" (PFCgg) (D)	(RPTR ggG) (E=C)	(ADLCPFCgg) (F=D+E)	(ADLCPFCg)	
AERIAL @ 26 GA.	\$ 0.022600	\$ 0.000000	\$ 0.022600	\$ 0.022600	
BURIED @ 26 GA.	\$ 0.037800	\$ 0.000000	\$ 0.037800	\$ 0.037800	
UNDGRND @ 26 GA.	\$ 0.024000	\$ 0.000000	\$ 0.024000	\$ 0.024000	
AERIAL @ 24 GA.	\$ 0.022600	\$ 0.000000	\$ 0.022600	\$ 0.022600	
BURIED @ 24 GA.	\$ 0.037800	\$ 0.000000	\$ 0.037800	\$ 0.037800	
UNDGRND @ 24 GA.	\$ 0.024000	\$ 0.000000	\$ 0.024000	\$ 0.024000	
AERIAL @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
BURIED @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
UNDGRND @ 22 GA.	\$ 0.000000	\$ 0.000000	\$ 0.000000	\$ 0.000000	
NOTES:					
① The Facility Table Investments are for each Cable Pair Foot, DLC Systems are 44wire.					

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CA123R24LCATR038\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore [®]								
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 3 - BUSINESS ISDN		STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:40								
SERVICE ACCESS CHARACTERISTICS AND INVESTMENTS												
AVERAGE UNIT MIX :		AVERAGE UNIT INVESTMENT :										
The Average Number of Terminals in the Service Access Segment of a Loop -												
Proportion of Loops that use.....	<table border="1" style="display: inline-table;"><tr><td>Aerial</td><td>0.00</td></tr><tr><td>Buried</td><td>0.00</td></tr></table>	Aerial	0.00	Buried	0.00	Per Unit Installation.....	<table border="1" style="display: inline-table;"><tr><td>Aerial Termination</td><td>0</td></tr><tr><td>Buried Termination</td><td>0</td></tr></table>	Aerial Termination	0	Buried Termination	0	
Aerial	0.00											
Buried	0.00											
Aerial Termination	0											
Buried Termination	0											
The Average Drop Wire & Building Entrance Cable Installation -												
Proportion of Loops that use..	<table border="1" style="display: inline-table;"><tr><td>Aerial Wire Drops</td><td>0.0000</td></tr><tr><td>Buried Wire Drops</td><td>0.0000</td></tr><tr><td>Bldg Entrance Cable</td><td>1.0000</td></tr><tr><td>Aerial Coax/Wire Drops</td><td>0.0000</td></tr></table>	Aerial Wire Drops	0.0000	Buried Wire Drops	0.0000	Bldg Entrance Cable	1.0000	Aerial Coax/Wire Drops	0.0000	Adjust Cable Pair Foot Invest. for DW Investment ? (Y/N)	N	
Aerial Wire Drops	0.0000											
Buried Wire Drops	0.0000											
Bldg Entrance Cable	1.0000											
Aerial Coax/Wire Drops	0.0000											
		Per Unit Installation.....	<table border="1" style="display: inline-table;"><tr><td>Aerial Wire Drops</td><td>\$ 0.00</td></tr><tr><td>Buried Wire Drops</td><td>\$ 0.00</td></tr><tr><td>Bldg Entrance Cable</td><td>\$ 75.00</td></tr><tr><td>Aerial Coax/Wire Drops</td><td>\$ 0.00</td></tr></table>	Aerial Wire Drops	\$ 0.00	Buried Wire Drops	\$ 0.00	Bldg Entrance Cable	\$ 75.00	Aerial Coax/Wire Drops	\$ 0.00	
Aerial Wire Drops	\$ 0.00											
Buried Wire Drops	\$ 0.00											
Bldg Entrance Cable	\$ 75.00											
Aerial Coax/Wire Drops	\$ 0.00											
The Average Intrabuilding Cable Installation -												
Proportion of Installations with Intrabuilding Cable	<table border="1" style="display: inline-table;"><tr><td>0.0000</td></tr></table>	0.0000	Per Instn for a Intrabuilding Network Cable Pair	<table border="1" style="display: inline-table;"><tr><td>\$ 0.00</td></tr></table>	\$ 0.00							
0.0000												
\$ 0.00												

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\\LCATR038\FACILITY
SPAN_INV
/4

HELP SCREEN

Belcore[®]
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.

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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 YEAR : 1996	STUDY YR : 1996
CITY / AREA : CINCINNATI		TEST CASE : 1		LAST UPDATE : 17-Jan-97
STATE / PROV : OHIO		SERVICE CLASS: BAND 3 - BUSINESS ISDN		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	0.2988
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	0.0000	0.2521

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C:\123R24\LCATR038\INVEST		LOOP COST ANALYSIS TOOL				Bellcore^(R)	
TABLE - EQUIP_INV Sheet 1 of 1 COMPANY: CINCINNATI BELL TEL CITY / AREA : CINCINNATI STATE / PROV : OHIO		DATA REFERENCE TABLE EQUIPMENT & OTHER INVESTMENTS FOR INVESTMENT YEAR: 1996 SERVICE LEVEL: NAR&ND SERVICE CLASS: BAND 3 - BUSINESS ISDN				LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 10:42	
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	\$ 361.90	\$ 39.17	\$ 348.82	\$ 141.70	
For an Integrated DLC Equipment Arrangement		\$ 0.00	\$ 0.00	\$ 0.00	\$ 348.82	\$ 141.70	
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL :							
1. For a Hub with nonFiber Extensions or nonHub Arrangement		\$ 49.18		\$ 3.88	\$ 53.79	\$ 2.01	
2. For a Hub with Fiber Extensions or a Fiber Ended Arrangement		\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	
3. For a Fiber HUB and Fiber Remote Terminal Arrangement					\$ 0.00	\$ 0.00	
4. For Fiber Ring Hub Arrangements (Extensions)					\$ 0.00	\$ 0.00	
CEV HOUSING per CIRCUIT by SERVICE LEVEL :							
For CEV's used as fiber hubs for FO Multiplexer equipment						\$ 0.00	
For CEV's used as remote terminals for CDLC equipment						\$ 0.00	
[Unit Investment denotes average weighted unit E,F,I Investment at DS0, DS1, or DS3 service equiv.]							

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CA123R24\LCATR038\INVEST.WK1

TABLE - EQUIP_INV

HELP INFORMATION

Bellcore
LCAT Rel: 1.0.4
Issued: 07/31/95LCAT 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 *****
*****PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION*****

PRESS <ENTER> KEY TO RETURN TO THE MAIN MENU

C:\123R24\LCATR038\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 3 - BUSINESS ISDN		LCAT Ref: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:42
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	0.7000	
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	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. Cab.	1.0000	

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TABLE - ADDNL_INV
Sheet 1 of 2

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

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

C:\123R24\LCATR038\LOADING		LOOP COST ANALYSIS TOOL		Bellcore [®]																					
TABLE -- ADDNL_INV Sheet 2 of 2 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT RELATED FACTOR TABLES ADJUSTMENT AND LOADING FACTORS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - BUSINESS ISDN		LCAT Ver: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-95 TIME: 10:42																					
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 use <u>DEFAULT</u> ① ② for: CENT. OFC. REMOTE SITE																							
POLE LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Copper Cable Pole Investment Factor</td> <td>0.2530</td> <td>0.2530</td> </tr> <tr> <td>Copper Cable Pole Unit Investment</td> <td></td> <td></td> </tr> <tr> <td>Fiber Cable Pole Investment Factor</td> <td>0.1965</td> <td>0.1965</td> </tr> <tr> <td>Fiber Cable Pole Unit Investment</td> <td></td> <td></td> </tr> </table>		Copper Cable Pole Investment Factor	0.2530	0.2530	Copper Cable Pole Unit Investment			Fiber Cable Pole Investment Factor	0.1965	0.1965	Fiber Cable Pole Unit Investment			LAND LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or <u>ALL</u> ①</td> <td>0.0056</td> <td>0.0056</td> </tr> <tr> <td>Digital Loop Carrier</td> <td>0.0056</td> <td>0.0056</td> </tr> <tr> <td>Fiber Optic Mux</td> <td>0.0056</td> <td>0.0056</td> </tr> </table>			Other or <u>ALL</u> ①	0.0056	0.0056	Digital Loop Carrier	0.0056	0.0056	Fiber Optic Mux	0.0056	0.0056
Copper Cable Pole Investment Factor	0.2530	0.2530																							
Copper Cable Pole Unit Investment																									
Fiber Cable Pole Investment Factor	0.1965	0.1965																							
Fiber Cable Pole Unit Investment																									
Other or <u>ALL</u> ①	0.0056	0.0056																							
Digital Loop Carrier	0.0056	0.0056																							
Fiber Optic Mux	0.0056	0.0056																							
CONDUIT LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Copper Cable Conduit Investment Factor</td> <td>0.5165</td> <td>0.5165</td> </tr> <tr> <td>Copper Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> <tr> <td>Fiber Cable Conduit Investment Factor</td> <td>0.5232</td> <td>0.5232</td> </tr> <tr> <td>Fiber Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> </table>		Copper Cable Conduit Investment Factor	0.5165	0.5165	Copper Cable Conduit Unit Investment			Fiber Cable Conduit Investment Factor	0.5232	0.5232	Fiber Cable Conduit Unit Investment			BUILDING LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or <u>ALL</u> ①</td> <td>0.1316</td> <td>0.1316</td> </tr> <tr> <td>Digital Loop Carrier</td> <td>0.1316</td> <td>0.1316</td> </tr> <tr> <td>Fiber Optic Mux</td> <td>0.1316</td> <td>0.1316</td> </tr> </table>			Other or <u>ALL</u> ①	0.1316	0.1316	Digital Loop Carrier	0.1316	0.1316	Fiber Optic Mux	0.1316	0.1316
Copper Cable Conduit Investment Factor	0.5165	0.5165																							
Copper Cable Conduit Unit Investment																									
Fiber Cable Conduit Investment Factor	0.5232	0.5232																							
Fiber Cable Conduit Unit Investment																									
Other or <u>ALL</u> ①	0.1316	0.1316																							
Digital Loop Carrier	0.1316	0.1316																							
Fiber Optic Mux	0.1316	0.1316																							
		MISC. EQUIPMENT & POWER LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or <u>ALL</u> ①</td> <td>0.1127</td> <td>0.1127</td> </tr> <tr> <td>Digital Loop Carrier</td> <td>0.1127</td> <td>0.1127</td> </tr> <tr> <td>Fiber Optic Mux</td> <td>0.1127</td> <td>0.1127</td> </tr> </table>			Other or <u>ALL</u> ①	0.1127	0.1127	Digital Loop Carrier	0.1127	0.1127	Fiber Optic Mux	0.1127	0.1127												
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®

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\LCATR038\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]																				
INPUT - PLANT CHAR. Sheet 1 / 5 COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - BUSINESS ISDN		LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:45																				
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY																								
LOOP TOPOLOGY Loop FEEDER Network Configuration Is (S)tar Or (R)ing Average Number Of Hubs In Each Ring Loop DISTRIBUTION Network Configuration Is (S)tar or (B)us SPAN LENGTHS ① Average Distance From the Central Office to the Service Access Point ② Average Distance From the Serving Area Interface to the Service Access Point ③ Average Distance From the Remote Terminal to the Serving Area Interface ④ Average Distance From the Central Office to the Fiber Hub or S.A.I. ⑤ Average Distance From the Fiber Hub to the Remote Terminal		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">ACTION SEGMENT</th> </tr> </thead> <tbody> <tr> <td>PRIMARY</td> <td>STAR</td> </tr> <tr> <td>PRIMARY</td> <td>NA</td> </tr> <tr> <td>DISTRIBUTION</td> <td>STAR</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>TOTAL LOOP</td> <td>27360.0</td> </tr> <tr> <td>DISTRIBUTION</td> <td>3479.0</td> </tr> <tr> <td>SUB-PRIMARY</td> <td>300.0</td> </tr> <tr> <td>PRIMARY</td> <td>23581.0</td> </tr> <tr> <td>PRIMARY-EXTENSION</td> <td></td> </tr> </tbody> </table>			ACTION SEGMENT		PRIMARY	STAR	PRIMARY	NA	DISTRIBUTION	STAR			TOTAL LOOP	27360.0	DISTRIBUTION	3479.0	SUB-PRIMARY	300.0	PRIMARY	23581.0	PRIMARY-EXTENSION	
ACTION SEGMENT																								
PRIMARY	STAR																							
PRIMARY	NA																							
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DISTRIBUTION	3479.0																							
SUB-PRIMARY	300.0																							
PRIMARY	23581.0																							
PRIMARY-EXTENSION																								
LOOP LENGTH AT EACH COST BAND BAND 1 BAND 2 BAND 3 BAND 4 BAND 5		DISTRIBUTION OF COST BANDS IN THE NETWORK BAND 1 BAND 2 BAND 3 BAND 4 BAND 5																						
LAST 27360.0		LAST 1.0000 Help Hint																						

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C:\123R24\LCATR038\SPAN		LOOP COST ANALYSIS TOOL		Bellcore [®]
INPUT - PLANT CHAR. Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - BUSINESS ISDN		LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:45
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY				
LOOP LENGTH ① 27360 FEET				
DROP	DISTRIBUTION ②	SUB-PRIMARY ③	FEEDER ④	
	3479 FEET	300.0 FEET	23581 FEET	
ONI	FIBER DISTRIBUTION	EXTENSION ⑤	PRIMARY ⑥	
NETWORK INTERFACE	SERVICE ACCESS POINT	SERVING AREA INTERFACE	REMOTE TERMINAL (LOOP MULTIPLEX INTERFACE) REMOTE NODE (LOOP TRANSFER)	FIBER HUB
				END OFFICE

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C:\123R24\LCATRC038\SPAN		LOOP COST ANALYSIS TOOL		Belcore (R)
INPUT - # ANT - CHAR. Sheet 1 of 2	LOOP FACILITY INPUT HELP SCREEN	LCAT Rel : 1.0.4 Issued : 07/31/95		
AVERAGE NETWORK STUDY -	This mode of LCAT is used where the cost study may be broad in scope and lack sufficient detail data to use the Loop OSP cost calculators on Sheets 2, 3, and 4. Instead, it relies on table data from the FACILITY file, representing jurisdictional average value mixes or proportions. Input for these values is placed on Sheet 1.			
INDIVIDUAL CIRCUIT STUDY -	This mode of LCAT is used to cost study circuit specifics on an Individual Circuit Basis for Request For Proposals, Special Constructions, and CENTREX-like Services. Data input is usually actual per the circuit configuration's span by span requirements as detailed by Product Management. This mode will require the use of the Loop OSP calculators on Sheets 2, 3, and 4.			
DATA SAMPLE NETWORK STUDY -	This mode of LCAT functions well with the Loop OSP cost calculators on Sheets 2, 3, and 4. The data samples are inputted on the sheets cumulatively and cost calculated directly. Then the weightings formulae are applied to create an average weighted Loop cost per pair foot.			
BANDWIDTH AVERAGING -	This feature of LCAT permits study level weighting of fiber multiplexer bandwidth transport. The range of multiplexers goes from 1.5 Mbps through 1.7 Gbps and designating the mix of usage develops a more precise unit investment to the feeder calculations.			
***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES ***** ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****				
PRESS 'ENTER' TO RETURN TO THE MAIN MENU				

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C:\123R24\LCAT038\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 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\LCATR038\SPAN		LOOP COST ANALYSIS TOOL				Bellcore [®]	
INPLT - PLANT_CHAR.		LOOP FACILITY INPUT				LCAT Ref: 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 3 - BUSINESS ISDN				LAST UPDATE: 29-Oct-96	
						TIME: 10:45	
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\LCATR038\SPAN		LOOP COST ANALYSIS TOOL				Belcore (R)	
PLANT CHAR - WORKSHEET 2B		LOOP FACILITY INPUT				LCAT Rev: 1.0.4	
Sheet 2b / 5		FIBER OPTIC CABLE SPAN INVESTMENT FOR THE FEEDER LAYER				Issued: 07/31/96	
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 3 - BUSINESS ISDN				LAST UPDATE: 29-Oct-96	
TIME: 10:45							
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET B			
EFFECTIVE CHANNEL LENGTH BY CABLE PAIR FOOT [A] = [E]WKSH A / [F]WKSH C CUMULATIVE INVESTMENT BY CABLE CHANNEL FOOT [B] = [A] * [C] * UNIT INV FACILITY WKSH B							
CAPACITY		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
For these sizes ...	[C]	idx	[A]	[B]	[A]	[B]	[A]
4 FIBER CABLE	2 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
6 FIBER CABLE	3 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
12 FIBER CABLE	6 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
18 FIBER CABLE	9 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
24 FIBER CABLE	12 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
36 FIBER CABLE	18 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
48 FIBER CABLE	24 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
60 FIBER CABLE	30 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
72 FIBER CABLE	36 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
84 FIBER CABLE	42 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
96 FIBER CABLE	48 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
144 FIBER CABLE	72 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
192 FIBER CABLE	96 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
216 FIBER CABLE	108 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000
SUBTOTAL			\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

NO
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NOTED

C:\123R24\LCATR038\SPAN		LOOP COST ANALYSIS TOOL						Bellcore		
INPUT - PLANT_CHAR.		LOOP FACILITY INPUT						LCAT Rel: 1.0.4		
Sheet 3a / 5		COPPER CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER						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: C-IO		SERVICE CLASS: BAND 3 - BUSINESS						LAST UPDATE: 29-Oct-96		
		TIME: 10:45								
NETWORK CIRCUIT LAYOUT STUDIES										
CUMULATIVE LENGTHS BY CABLE PAIR FOOT										
CABLE SHEATH SIZES		26 GA.			24 GA.			22 GA.		
CAPACITY	idx	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr									
50 COPPER CABLE	25 pr									
80 COPPER CABLE	40 pr									
100 COPPER CABLE	50 pr									
140 COPPER CABLE	70 pr									
200 COPPER CABLE	100 pr									
400 COPPER CABLE	200 pr									
600 COPPER CABLE	300 pr									
800 COPPER CABLE	400 pr									
1200 COPPER CABLE	600 pr									
1800 COPPER CABLE	900 pr									
2400 COPPER CABLE	1200 pr									
3000 COPPER CABLE	1500 pr									
3600 COPPER CABLE	1800 pr									
4200 COPPER CABLE	2100 pr									
4800 COPPER CABLE	2400 pr									0.0
5400 COPPER CABLE	2700 pr									fdrcprf
6000 COPPER CABLE	3000 pr									0.0
7200 COPPER CABLE	3600 pr									fdrcprf
8400 COPPER CABLE	4200 pr									0.0
SUB TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 fdrcprf
TOTALS				0.0			0.0			0.0 fdrcprf

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C:\123R24\LCATR038\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		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE : 1			
STATE: OHIO		SERVICE CLASS: BAND 3 - BUSINESS						LAST UPDATE: 29-Oct-95 TIME: 10:45			
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET B							
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
	idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00		
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRND CABLE SUBTOTAL					0.00			0.00			0.00

CCNY
NOTICE
PRIOR TO RELEASE
PROVIDED TO PUC

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C:\123R24\LCATR038\SPAN		LOOP COST ANALYSIS TOOL						Bellore			
PLANT CHAR - WORKSHEET 48 Sheet 4b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE DISTRIBUTION LAYER FOR						LCAT Rel : 1.0.4 Issued : 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE: 1			
		SERVICE CLASS: BAND 3 - BUSINESS						LAST UPDATE: 29-Oct-96 TIME: 10:45			
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET B							
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
	idx		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00		
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00

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LOOP COST ANALYSIS TOOL										Bellcore [®]																																																																																																														
C:\123R24\LCATR038\SPAN			LOOP FACILITY INPUT					LCAT Rel: 1.0.4																																																																																																																
INPUT - PLANT_CHAR.			DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX					Issued: 07/31/95																																																																																																																
Sheet 5 / 5			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 3 - BUSINESS ISDN					TIME: 10:45																																																																																																																
FIBER BANDWIDTH																																																																																																																								
TRANSMISSION FLOW IS: ☒ UNIDIRECTIONAL ☐ BIDIRECTIONAL																																																																																																																								
LEVEL OF SERVICE: <u>NARBAND</u>																																																																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">BITRATE INDEX</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>SERVICE</th> <th>PROTECTION</th> <th>WEIGHTED</th> </tr> <tr> <th style="text-align: left;">FIBER BANDWIDTH</th> <th>45 Mbps</th> <th>90 Mbps</th> <th>155 Mbps</th> <th>180 Mbps</th> <th>0</th> <th>0</th> <th>0</th> <th>LEVEL</th> <th></th> <th>EQUIVALENT</th> </tr> <tr> <th style="text-align: left;">MUX DS3 MULTIPLIER</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>0</th> <th>0</th> <th>0</th> <th></th> <th></th> <th>CHANNELS</th> </tr> <tr> <th style="text-align: left;">VOICE GRADE CHANNELS</th> <th>672</th> <th>1344</th> <th>2016</th> <th>2688</th> <th>0</th> <th>0</th> <th>0</th> <th>MULTIPLE</th> <th>n:1</th> <th>PER EQ PAIR</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>[SLM]</td> <td>[E]</td> <td>[F]</td> </tr> </thead> <tbody> <tr> <td>FEEDER - PRIMARY</td> <td>0.0000</td> <td>0.1370</td> <td>0.7810</td> <td>0.0820</td> <td>0.0000</td> <td>0.0000</td> <td>0.0000</td> <td>2</td> <td>1</td> <td>1979.04</td> </tr> <tr> <td>FEEDER - EXTENSION</td> <td>0.0000</td> <td>0.1370</td> <td>0.7810</td> <td>0.0820</td> <td>0.0000</td> <td>0.0000</td> <td>0.0000</td> <td>2</td> <td>1</td> <td>1979.04</td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>											BITRATE INDEX	1	2	3	4	5	6	7	SERVICE	PROTECTION	WEIGHTED	FIBER BANDWIDTH	45 Mbps	90 Mbps	155 Mbps	180 Mbps	0	0	0	LEVEL		EQUIVALENT	MUX DS3 MULTIPLIER	1	2	3	4	0	0	0			CHANNELS	VOICE GRADE CHANNELS	672	1344	2016	2688	0	0	0	MULTIPLE	n:1	PER EQ PAIR									[SLM]	[E]	[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																																	
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FOOTNOTES 1 Where Service Level Multiple EQUALS {1 for NARBAND, 25 for WIDEBAND, 672 for BRODBAND} 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 T OVER PROT [E]}																																																																																																																								

NOT TO BE GIVEN
 PRIOR TO RELEASE TO PUBLIC
 PROVIDED TO PUBLIC

PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1

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

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1996

TEST CASE: 1

LAST UPDATE: 29-Oct-96

TIME: 10:45

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		VT	1.5 Mbps	1	0.04	24 UNDIR, FIBER
4		VT2	2 Mbps	1	0	UNDIR, FIBER
5		ET	2 Mbps	1	0.06	30 BIDIR, 2WCU CA
6	MODE1	DSTC	3.2 Mbps NA			48 BIDIR, 2WCU CA
7	MODE2	DSTC	3.2 Mbps	2	0.07	48 BIDIR, 2WCU CA
8		VT3	3.2 Mbps	2	0.07	56 UNDIR, FIBER
9			4 Mbps	2	0	60
10		DS2	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	8 Mbps	4	0.25	120 BIDIR, 2WCU CA
14		E3	34 Mbps	16		480
15	X	DS3	45 Mbps	28	1	672 BIDIR, 2WCU CA
16		STST	OCT	50 Mbps	28	672 UNDIR, FIBER
17	X		90 Mbps		2	1344 UNDIR, FIBER
18			90 Mbps		2	1344 BIDIR, MWRADIO
19		US4	135 Mbps		3	2016 UNDIR, FIBER
20			135 Mbps		3	2016 BIDIR, MWRADIO
21		US4NA	139 Mbps		3	2016 UNDIR, FIBER
22		E4	140 Mbps		3	1920 UNDIR, FIBER
23		14M	139 Mbps		6	4032 BIDIR, COAX
24		PT40	139 Mbps		6	4032 BIDIR, COAX
25	X		OC3	155 Mbps	3	2016 UNDIR, FIBER
26	X		180 Mbps		4	2880 UNDIR, FIBER
27			417 Mbps		9	6048 UNDIR, FIBER
28		OC9	486 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: 10:45

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

FOR
INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 3 - BUSINESS
WORKSHEET F

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

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

ERROR MESSAGE: 0

CONFIDENTIAL

PROCESSED BY: [illegible]

C:\123R24\LCATR038\SPAN		LOOP COST ANALYSIS TOOL										Bellcore [®]																																																																																																																																																																																																																																																																																			
PLANT CHAR. - WORKSHEET SA Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		WORKSHEET SA										LCAT Ref: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 10:45																																																																																																																																																																																																																																																																																			
Sub Feeder Allocation Table																																																																																																																																																																																																																																																																																															
OFFSET cur idlen 27360 dlcdpl = 18000 [B] distspa 3479 nom_rangcur - dissubfeedprfeedesubfeed segment alloc NO COLOCATEDstopo = BUS distspa = STAFdstopo = BUS [E] [F=D-E] [G] [H=D-G] COLOCATED RT AND CP, where COLOCATED fdstopo = BUS distspa = STAFdstopo = BUS [I] [J=C-I] [K] [L=C-K] [M=A-C] <table border="1" style="width: 100%; border-collapse: collapse; font-family: monospace; font-size: 0.8em;"> <thead> <tr> <th></th><th>[C]</th><th>[D=C-I]</th><th>[E]</th><th>[F=D-E]</th><th>[G]</th><th>[H=D-G]</th><th>[I]</th><th>[J=C-I]</th><th>[K]</th><th>[L=C-K]</th><th>[M=A-C]</th></tr> </thead> <tbody> <tr><td>500</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>500</td><td>0</td><td>500</td><td>0</td><td>27360</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>1000</td><td>0</td><td>1000</td><td>0</td><td>26860</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>2000</td><td>0</td><td>2000</td><td>0</td><td>26360</td></tr> <tr><td>3000</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>3000</td><td>0</td><td>3000</td><td>0</td><td>25860</td></tr> <tr><td>4000</td><td>521</td><td>521</td><td>0</td><td>0</td><td>521</td><td>0</td><td>4000</td><td>0</td><td>4000</td><td>0</td><td>25360</td></tr> <tr><td>5000</td><td>1521</td><td>1521</td><td>0</td><td>0</td><td>1521</td><td>0</td><td>5000</td><td>0</td><td>5000</td><td>0</td><td>24860</td></tr> <tr><td>6000</td><td>2521</td><td>2521</td><td>0</td><td>0</td><td>2521</td><td>0</td><td>6000</td><td>0</td><td>6000</td><td>0</td><td>24360</td></tr> <tr><td>7000</td><td>3521</td><td>3521</td><td>0</td><td>0</td><td>3521</td><td>0</td><td>7000</td><td>0</td><td>7000</td><td>0</td><td>23860</td></tr> <tr><td>8000</td><td>4521</td><td>4521</td><td>0</td><td>0</td><td>4521</td><td>0</td><td>8000</td><td>0</td><td>8000</td><td>0</td><td>23360</td></tr> <tr><td>9000</td><td>5521</td><td>5521</td><td>0</td><td>0</td><td>5521</td><td>0</td><td>9000</td><td>0</td><td>9000</td><td>0</td><td>22860</td></tr> <tr><td>10000</td><td>6521</td><td>6521</td><td>0</td><td>0</td><td>6521</td><td>0</td><td>10000</td><td>0</td><td>10000</td><td>0</td><td>22360</td></tr> <tr><td>11000</td><td>7521</td><td>7521</td><td>0</td><td>0</td><td>7521</td><td>0</td><td>11000</td><td>0</td><td>11000</td><td>0</td><td>21860</td></tr> <tr><td>12000</td><td>8521</td><td>8521</td><td>0</td><td>0</td><td>8521</td><td>0</td><td>12000</td><td>0</td><td>12000</td><td>0</td><td>21360</td></tr> <tr><td>13000</td><td>9521</td><td>9521</td><td>0</td><td>0</td><td>9521</td><td>0</td><td>13000</td><td>0</td><td>13000</td><td>0</td><td>20860</td></tr> 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</table>													[C]	[D=C-I]	[E]	[F=D-E]	[G]	[H=D-G]	[I]	[J=C-I]	[K]	[L=C-K]	[M=A-C]	500	0	0	0	0	0	0	500	0	500	0	27360	1000	0	0	0	0	0	0	1000	0	1000	0	26860	2000	0	0	0	0	0	0	2000	0	2000	0	26360	3000	0	0	0	0	0	0	3000	0	3000	0	25860	4000	521	521	0	0	521	0	4000	0	4000	0	25360	5000	1521	1521	0	0	1521	0	5000	0	5000	0	24860	6000	2521	2521	0	0	2521	0	6000	0	6000	0	24360	7000	3521	3521	0	0	3521	0	7000	0	7000	0	23860	8000	4521	4521	0	0	4521	0	8000	0	8000	0	23360	9000	5521	5521	0	0	5521	0	9000	0	9000	0	22860	10000	6521	6521	0	0	6521	0	10000	0	10000	0	22360	11000	7521	7521	0	0	7521	0	11000	0	11000	0	21860	12000	8521	8521	0	0	8521	0	12000	0	12000	0	21360	13000	9521	9521	0	0	9521	0	13000	0	13000	0	20860	14000	10521	10521	0	0	10521	0	14000	0	14000	0	20360	15000	11521	11521	0	0	11521	0	15000	0	15000	0	19860	16000	12521	12521	0	0	12521	0	16000	0	16000	0	19360	17000	13521	13521	0	0	13521	0	17000	0	17000	0	18860	18000	14521	7260.5	7260.5	0	14521	9000	9000	0	18000	0	18360	19000	15521	7760.5	7760.5	0	15521	9500	9500	0	19000	0	17860	20000	16521	8260.5	8260.5	0	16521	10000	10000	0	20000	0	17360	80000	76521	14521	62000	1000	75521	14521	65479	1000	79000	-52640	
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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 ^{cur} Equals CUR_LPLGTH - NOM_RANGE difference > DISTSPAN and < DLCDEPL, then CUR_SEGLGTH ^{cur} Equals CUR_LPLGTH - NOM_RANGE difference => DLCDEPL, then CUR_SEGLGTH ^{cur} Equals CUR_LPLGTH - NOM_RANGE difference CUR_SEGLGTH - Calculation Assumptions The DISTSPAN can not exceed the DLCDEPL value input on CRITERIA. Therefore, set the DLCDEPL at the DISTSPAN to get an ALL FIBER Network.																																																																																																																																																																																																																																																																																															

**OHIO ONLY
3 Geographic Areas
ISDN**

10/10/96 Revised

Band 1

		Residence			Business		
		Average F1 Length	Average F2 Length	Average Loop	Average F1 Length	Average F2 Length	Average Loop
		A	B	C	D	E	F
1	0-18,000	8,298	1,390	9,688	7,007	971	7,977
2	# Of Entries	144			285		
3	18,001-INFINITY	17,880	2,925	20,805	19,201	2,119	21,320
4	# Of Entries	16			8		
5	Ratio						
6	0-18,000	0.8369			0.9378		
7	18,001-INFINITY	0.1631			0.0622		
		1.0000			1.0000		

Band 2

8	0-18,000	8,444	2,097	10,541	7,015	1,136	8,151
9	# Of Entries	95			107		
10	18,001-INFINITY	23,425	2,646	26,071	24,110	2,049	26,159
11	# Of Entries	44			57		
12	Ratio	0.6835			0.6524		
13	0-18,000	0.3165			0.3476		
14	18,001-INFINITY	1.0000			1.0000		

Band 3

15	0-18,000	4,845	1,981	6,825	4,512	1,095	5,608
16	# Of Entries	46			41		
17	18,001-INFINITY	23,301	4,826	28,127	23,881	3,425	27,360
18	# Of Entries	56			30		
19	Ratio	0.4510			0.5770		
20	0-18,000	0.5490			0.4228		
21	18,001-INFINITY	1.0000			1.0000		

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PROVIDED TO PUCO

OHIO ONLY
REVISED JAN 1997 VERSION
BAND 1
BUSINESS LINE

MCI Depo.
EX. No 6
CDR 11-26-97

INDEX

BAND 1

Business Line

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Digital Loop Carrier Study -	Results	Tab 5
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	Inputs.....	Tab 7
	Miscellaneous	Tab 8

A
B
C
D
E
F
G

C:\123R24\LCATRUN\RESULTS1		LOOP COST ANALYSIS TOOL						Belcore ^(R)
OUTPUT - REPORT D		PROSPECTIVE INVESTMENT SUMMARY REPORT						LCAT Rel : 1.0.4
SHEET 1 of 1								Issued : 7/31/95
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN : TOTAL TECHNOLOGIES						STUDY YR : 1996
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION : ALL LOOP SPANS						TEST CASE : 1
STATE / PROV : OHIO		SERVICE CLASS : BAND 1 - BUSINESS LINE						RUN DATE : 22-Jan-97
JOB IDENT : CINCINNATI		TOTAL LOOP LENGTH : 6403 FEET						TIME : 10:05

Loop Span Set Weighting : 1		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY						WEIGHTED
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL		
SEG. NAME		PRIMARY	EXTENSION	SUB-	INTERFACE		LOOP	
PLANT	CODE							
ITEM DESCRIPTION	SEG.LGTH.							
SHARED 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	\$ 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	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
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	\$ 2.4513	
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.47	\$ 0.00	\$ 0.00	\$ 1.9000	
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.55	\$ 0.00	\$ 0.5500	
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 2.81	\$ 0.79	\$ 0.00	\$ 3.6000	
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	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.11	\$ 0.34	\$ 0.00	\$ 0.4500	
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 1.00	\$ 0.28	\$ 0.00	\$ 1.2800	
SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 4.39	\$ 3.39	\$ 2.45	\$ 10.23	
								\$ 10.23

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

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

LOOP COST ANALYSIS TOOL

COST MODEL - INVESTMENT BY ACCOUNT REPORTS

STUDY NAME: 1996 BAND 1 (OHIO ONLY) BUSINESS LINE STUDY 0 - 12000 FEET INTRASTATE

CURRENT TEST PLAN :

CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST DATE	IDENT	LAST SAVE
FR / DS	FLAT RATE	# BANDS	0	17-Jan-97
SVC LEVEL	NAR BAND	# CKTS	1	15:57
CST METH	UN INCR	INV LEVEL	ANNCOST	TIME

PRIOR TO RELEASE TO PUBLIC

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OUTPUT - WORKSHEET D
SHEET 1 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: 22-Jan-97
TIME: 10:05COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 1 CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - BUSINESS LINE
TOTAL LOOP LENGTH: 6403 FEET

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 LOOP
EQPT CODE					
PLANT					
ITEM DESCRIPTION					
7 SHARED RESOURCES					
8 LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
9 BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
10 BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
11 INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
12 AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
13 BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
14 UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
15 CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
16 CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
17 CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
18 CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
19 CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
20 CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
21 AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
22 BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
23 UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
24 CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
25 MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
26 POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
27 CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
29 DIRECT RESOURCES					
30 LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
31 BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
32 BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.45
33 INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
34 AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.47	\$ 1.43	\$ 1.90
35 BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.55	\$ 0.55
36 UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 2.81	\$ 0.79	\$ 3.60
37 CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
38 CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
39 CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
40 CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
41 CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
42 CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
43 AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
44 BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
45 UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
46 CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
47 MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
48 POLE LINE	1C	\$ 0.00	\$ 0.11	\$ 0.34	\$ 0.45
49 CONDUIT	4C	\$ 0.00	\$ 1.00	\$ 0.28	\$ 1.28
SPAN SUMMARY		\$ 0.00	\$ 4.39	\$ 3.39	\$ 10.23
CIRCUIT DESIGN SUMMARY				\$ 2.45	\$ 10.23

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GC:\123R24\LCATRUN\RESULTS1
OUTPUT - WORKSHEET D
SHEET 2 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY**Belcore** (R)LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1998
TEST CASE: 1
DATE: 22-Jan-97
TIME: 10:05COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 2 CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - BUSINESS LINE
TOTAL LOOP LENGTH: 6403 FEET

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

WEIGHTED

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

SPAN SUMMARY

CIRCUIT DESIGN SUMMARY

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GC:\123R24\LCATRUN\RESULTS1
OUTPUT - WORKSHEET D
SHEET 4 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARYBelcore^(A)LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 22-Jan-97
TIME: 10:05COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 1 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - BUSINESS LINE
TOTAL LOOP LENGTH: 6403 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	INTERFACE	LOOP
	EQPT		SUB--		LOOP
	CODE				
	PLANT				
	ITEM DESCRIPTION				
7	<u>SHARED RESOURCES</u>				
8	LAND	20C		\$0	\$0
9	BUILDING	10C		\$0	\$0
10	BLDG ENTRANCE CABLE	12C		\$0	\$0
11	INTRABLDG CABLE	52C		\$0	\$0
12	AERIAL CABLE (COPPER)	22C		\$0	\$0
13	BURIED CABLE (COPPER)	45C		\$0	\$0
14	UNDERGROUND (CU) CA.	5C		\$0	\$0
15	CO EQPT - LOW CAP TERM	257C		\$0	\$0
16	CO EQPT - LOW CAP CHAN	257C		\$0	\$0
17	CO EQPT - HI CAP TERM	857C		\$0	\$0
18	CO EQPT - HI CAP CHAN	857C		\$0	\$0
19	CO EQPT - ANALOG SW	77C		\$0	\$0
20	CO EQPT - DIGITAL SW	377C		\$0	\$0
21	AERIAL CABLE (FIBER)	822C		\$0	\$0
22	BURIED CABLE (FIBER)	845C		\$0	\$0
23	UNDERGROUND (FO) CA.	85C		\$0	\$0
24	CONNECTORS	57C		\$0	\$0
25	MISC. COM EQP & PWR	57C		\$0	\$0
26	POLE LINE	1C		\$0	\$0
27	CONDUIT	4C		\$0	\$0
28					
29	<u>DIRECT RESOURCES</u>				
30	LAND	20C		\$0	\$0
31	BUILDING	10C		\$0	\$0
32	BLDG ENTRANCE CABLE	12C		\$0	\$0
33	INTRABLDG CABLE	52C		\$0	\$0
34	AERIAL CABLE (COPPER)	22C		\$0	\$0
35	BURIED CABLE (COPPER)	45C		\$0	\$0
36	UNDERGROUND (CU) CA.	5C		\$0	\$0
37	CO EQPT - LOW CAP TERM	257C		\$0	\$0
38	CO EQPT - LOW CAP CHAN	257C		\$0	\$0
39	CO EQPT - HI CAP TERM	857C		\$0	\$0
40	CO EQPT - HI CAP CHAN	857C		\$0	\$0
41	CO EQPT - ANALOG SW	77C		\$0	\$0
42	CO EQPT - DIGITAL SW	377C		\$0	\$0
43	AERIAL CABLE (FIBER)	822C		\$0	\$0
44	BURIED CABLE (FIBER)	845C		\$0	\$0
45	UNDERGROUND (FO) CA.	85C		\$0	\$0
46	CONNECTORS	57C		\$0	\$0
47	MISC. COM EQP & PWR	57C		\$0	\$0
48	POLE LINE	1C		\$0	\$0
49	CONDUIT	4C		\$0	\$0
50					
51	SPAN SUMMARY		\$0	\$0	\$0
52					
53					
54					
55					

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A B C D E F G		C:\123R24\LCATRUN\RESULTS1 OUTPUT - WORKSHEET D SHEET 5 of 10		LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				Belcore [®] LCAT Rel: 1.0.4 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 1 - BUSINESS LINE		RUN DATE: 22-Jan-97			
		JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 6403 FEET		TIME: 10:05			
0		Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							
1		PLANT NAME	FEEDER	DISTRIBUTION	NETWORK	TOTAL	WEIGHTED		
2		SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	TOTAL	LOOP
3		EQPT							
4		PLANT	CODE						
5		ITEM DESCRIPTION							
6		<u>SHARED RESOURCES</u>							
7		LAND	20C				\$0	\$0	
8		BUILDING	10C				\$0	\$0	
9		BLDG ENTRANCE CABLE	12C				\$0	\$0	
10		INTRABLDG CABLE	52C				\$0	\$0	
11		AERIAL CABLE (COPPER)	22C				\$0	\$0	
12		BURIED CABLE (COPPER)	45C				\$0	\$0	
13		UNDERGROUND (CU) CA.	5C				\$0	\$0	
14		CO EQPT - LOW CAP TERM	257C				\$0	\$0	
15		CO EQPT - LOW CAP CHAN	257C				\$0	\$0	
16		CO EQPT - HI CAP TERM	857C				\$0	\$0	
17		CO EQPT - HI CAP CHAN	857C				\$0	\$0	
18		CO EQPT - ANALOG SW	77C				\$0	\$0	
19		CO EQPT - DIGITAL SW	377C				\$0	\$0	
20		AERIAL CABLE (FIBER)	822C				\$0	\$0	
21		BURIED CABLE (FIBER)	845C				\$0	\$0	
22		UNDERGROUND (FO) CA.	85C				\$0	\$0	
23		CONNECTORS	57C				\$0	\$0	
24		MISC. COM EQP & PWR	57C				\$0	\$0	
25		POLE LINE	1C				\$0	\$0	
26		CONDUIT	4C				\$0	\$0	
27									
28		<u>DIRECT RESOURCES</u>							
29		LAND	20C				\$0	\$0	
30		BUILDING	10C				\$0	\$0	
31		BLDG ENTRANCE CABLE	12C				\$0	\$0	
32		INTRABLDG CABLE	52C				\$0	\$0	
33		AERIAL CABLE (COPPER)	22C				\$0	\$0	
34		BURIED CABLE (COPPER)	45C				\$0	\$0	
35		UNDERGROUND (CU) CA.	5C				\$0	\$0	
36		CO EQPT - LOW CAP TERM	257C				\$0	\$0	
37		CO EQPT - LOW CAP CHAN	257C				\$0	\$0	
38		CO EQPT - HI CAP TERM	857C				\$0	\$0	
39		CO EQPT - HI CAP CHAN	857C				\$0	\$0	
40		CO EQPT - ANALOG SW	77C				\$0	\$0	
41		CO EQPT - DIGITAL SW	377C				\$0	\$0	
42		AERIAL CABLE (FIBER)	822C				\$0	\$0	
43		BURIED CABLE (FIBER)	845C				\$0	\$0	
44		UNDERGROUND (FO) CA.	85C				\$0	\$0	
45		CONNECTORS	57C				\$0	\$0	
46		MISC. COM EQP & PWR	57C				\$0	\$0	
47		POLE LINE	1C				\$0	\$0	
48		CONDUIT	4C				\$0	\$0	
49									
50		SPAN SUMMARY		\$0	\$0		\$0	\$0	
51									
52									
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C:\123R24\LCATRUNU\RESULTS1 OUTPUT - WORKSHEET D SHEET 6 of 10			LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										Belcore [®] LCAT Ref : 1.0.4 Issued : 7/31/95 STUDY YR : 1996 TEST CASE : 1 RUN DATE : 22-Jan-97 TIME : 10:05				
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO JOB IDENT: CINCINNATI			CIRCUIT DESIGN : 3 FOMUX LOOP SPAN DIVISION : ALL LOOP SPANS SERVICE CLASS : BAND 1 - BUSINESS LINE TOTAL LOOP LENGTH : 6403 FEET														
Circuit Design Mix : 1.0000			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																	
CODE																	
PLANT																	
ITEM DESCRIPTION																	
SHARED RESOURCES																	
LAND			20C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
BUILDING			10C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
BLDG ENTRANCE CABLE			12C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
INTRABLDG CABLE			52C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
AERIAL CABLE (COPPER)			22C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
BURIED CABLE (COPPER)			45C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
UNDERGROUND (CU) CA.			5C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - LOW CAP TERM			257C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - LOW CAP CHAN			257C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - HI CAP TERM			857C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - HI CAP CHAN			857C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - ANALOG SW			77C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - DIGITAL SW			377C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
AERIAL CABLE (FIBER)			822C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
BURIED CABLE (FIBER)			845C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
UNDERGROUND (FO) CA.			85C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CONNECTORS			57C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
MISC. COM EQP & PWR			57C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
POLE LINE			1C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CONDUIT			4C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
DIRECT RESOURCES																	
LAND			20C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
BUILDING			10C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
BLDG ENTRANCE CABLE			12C			\$ 0.00			\$ 0.00			\$ 2.45			\$ 2.45		
INTRABLDG CABLE			52C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
AERIAL CABLE (COPPER)			22C			\$ 0.00			\$ 0.47			\$ 1.43			\$ 1.90		
BURIED CABLE (COPPER)			45C			\$ 0.00			\$ 0.00			\$ 0.55			\$ 0.55		
UNDERGROUND (CU) CA.			5C			\$ 0.00			\$ 2.81			\$ 0.79			\$ 3.60		
CO EQPT - LOW CAP TERM			257C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - LOW CAP CHAN			257C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - HI CAP TERM			857C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - HI CAP CHAN			857C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - ANALOG SW			77C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CO EQPT - DIGITAL SW			377C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
AERIAL CABLE (FIBER)			822C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
BURIED CABLE (FIBER)			845C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
UNDERGROUND (FO) CA.			85C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
CONNECTORS			57C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
MISC. COM EQP & PWR			57C			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00		
POLE LINE			1C			\$ 0.00			\$ 0.11			\$ 0.34			\$ 0.45		
CONDUIT			4C			\$ 0.00			\$ 1.00			\$ 0.28			\$ 1.28		
SPAN SUMMARY						\$ 0.00			\$ 0.00			\$ 4.39			\$ 3.39		
															\$ 2.45		
															\$ 10.23		
															\$ 10.23		

C:\123R24\LCATRUN\RESULTS1		LOOP COST ANALYSIS TOOL				Bellcore (R)	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
SHEET 7 of 10						Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 4 FOMUX		STUDY YR: 1996		TEST CASE: 1	
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		RUN DATE: 22-Jan-97		TIME: 10:05	
STATE / PROV: OHIO		SERVICE CLASS: BAND 1 - BUSINESS LINE					
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 6403 FEET					
Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL	WEIGHTED
SEG. NAME		PRIMARY EXTENSION SUB-		INTERFACE		LOOP	LOOP
EQPT							
PLANT CODE							
ITEM DESCRIPTION							
SHARED RESOURCES							
LAND		20C				\$0	\$0
BUILDING		10C				\$0	\$0
BLDG ENTRANCE CABLE		12C				\$0	\$0
INTRABLDG CABLE		52C				\$0	\$0
AERIAL CABLE (COPPER)		22C				\$0	\$0
BURIED CABLE (COPPER)		45C				\$0	\$0
UNDERGROUND (CU) CA.		5C				\$0	\$0
CO EQPT - LOW CAP TERM		257C				\$0	\$0
CO EQPT - LOW CAP CHAN		257C				\$0	\$0
CO EQPT - HI CAP TERM		857C				\$0	\$0
CO EQPT - HI CAP CHAN		857C				\$0	\$0
CO EQPT - ANALOG SW		77C				\$0	\$0
CO EQPT - DIGITAL SW		377C				\$0	\$0
AERIAL CABLE (FIBER)		822C				\$0	\$0
BURIED CABLE (FIBER)		845C				\$0	\$0
UNDERGROUND (FO) CA.		85C				\$0	\$0
CONNECTORS		57C				\$0	\$0
MISC. COM EQP & PWR		57C				\$0	\$0
POLE LINE		1C				\$0	\$0
CONDUIT		4C				\$0	\$0
DIRECT RESOURCES							
LAND		20C				\$0	\$0
BUILDING		10C				\$0	\$0
BLDG ENTRANCE CABLE		12C				\$0	\$0
INTRABLDG CABLE		52C				\$0	\$0
AERIAL CABLE (COPPER)		22C				\$0	\$0
BURIED CABLE (COPPER)		45C				\$0	\$0
UNDERGROUND (CU) CA.		5C				\$0	\$0
CO EQPT - LOW CAP TERM		257C				\$0	\$0
CO EQPT - LOW CAP CHAN		257C				\$0	\$0
CO EQPT - HI CAP TERM		857C				\$0	\$0
CO EQPT - HI CAP CHAN		857C				\$0	\$0
CO EQPT - ANALOG SW		77C				\$0	\$0
CO EQPT - DIGITAL SW		377C				\$0	\$0
AERIAL CABLE (FIBER)		822C				\$0	\$0
BURIED CABLE (FIBER)		845C				\$0	\$0
UNDERGROUND (FO) CA.		85C				\$0	\$0
CONNECTORS		57C				\$0	\$0
MISC. COM EQP & PWR		57C				\$0	\$0
POLE LINE		1C				\$0	\$0
CONDUIT		4C				\$0	\$0
SPAN SUMMARY		\$0 \$0		\$0 \$0 \$0		\$0	\$0

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C:\123R24\LCATRUN\RESULTS1		LOOP COST ANALYSIS TOOL					Belcore ⁽²⁾	
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 1 - BUSINESS LINE					RUN DATE: 22-Jan-97	
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 6403 FEET					TIME: 10:05	
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
	EQPT							
	PLANT	CODE						
	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
52								
53	CONFIDENTIAL							
54	NOTICE MUST BE GIVEN							
55	PRIOR TO RELEASE TO PUBLIC							

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A
B
C
D
E
F
GC:\123R24\LCATRUN\RESULTS;
OUTPUT - WORKSHEET D
SHEET 9 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Belcore®

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 22-Jan-97
TIME: 10:05COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 6 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - BUSINESS LINE
TOTAL LOOP LENGTH: 6403 FEET

Circuit Design Max: 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 LOOP

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

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SPAN SUMMARY

\$0

\$0

\$0

\$0

\$0

\$0

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

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

LOOP COST ANALYSIS TOOL
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

CIRCUIT DESIGN: MELDED FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - BUSINESS LINE
TOTAL LOOP LENGTH: 5403 FEET

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 22-Jan-97
TIME: 10:05

TECHNOLOGY WEIGHTED TOTAL LOOP

Technology Type Mix: 1.0000

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

PLANT ITEM DESCRIPTION	PLANT NAME SEG. NAME EQPT CODE	FEEDER					DISTRIBUTION NETWORK		TOTAL LOOP	TECHNOLOGY WEIGHTED TOTAL LOOP
		PRIMARY	EXTENSION	SUB-	INTERFACE					
SHARED RESOURCES										
LAND	20C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
CONNECTORS	57C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
POLE LINE	1C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
DIRECT RESOURCES										
LAND	20C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.4513	
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.47	\$ 1.43	\$ 0.00	\$ 1.90	\$ 1.90	\$ 1.9000	
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.55	\$ 0.00	\$ 0.55	\$ 0.55	\$ 0.5500	
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 2.81	\$ 0.79	\$ 0.00	\$ 3.60	\$ 3.60	\$ 3.6000	
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 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	\$ 0.00	\$ 0.0000	
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.11	\$ 0.34	\$ 0.00	\$ 0.45	\$ 0.45	\$ 0.4500	
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.28	\$ 1.28	\$ 1.2800	
SPAN SUMMARY		\$ 0.00	\$ 0.00	\$ 0.00	\$ 3.89	\$ 2.45	\$ 10.23	\$ 10.23	\$ 10.23	

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Bellcore (R)

RUN - DIST PLNT

LCAT

LAST UPDATE

LOOP COST ANALYSIS TOOL

Release: 1.0.4

22-Jan-97

Issued: 8/31/95

09:12

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 1 (OHIO ONLY) BUSINESS LINE STUDY 0 - 12000 FEET

CURRENT TEST PLAN :

CURRENT JOB IDENT:

CINCINNATI

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

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....your run is finished

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C:\123R24\LCATCALCD\ST
DIST. PLNT - WORKSHEET A
Sheet 1 of 3

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 1 - BUSINESS LINE

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

LCAT Release: 1.0.4
Issue Date: 8/31/96
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 22-Jan-97
TIME: 09:51

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2 - RELATIVE MIX OF TYPE OF CA. PLANT	LENGTH SUBSET BY TYPE OF PLANT	FROM TABLE 4 - CABLE INVESTMENT PER PAIR FOOT	CABLE INVESTMENT PER PAIR	(NOTE 4) WEIGHTED TERMINAL INVESTMENT	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR	(NOTE 4) WEIGHTED DROP WIRE INVESTMENT
		[B]	[C=A*B]	[D]	[E=C*D]	[F=E*factr]	[F=E*factr]		
638.0	AERIAL	0.590000	376.4	0.039700	14.94		0.00	0.00	
CONSIDERS:	BURIED	0.160000	102.1	0.065700	6.71		0.00	0.00	
MELDED									
COPPER	UNDERGRND	0.250000	159.5	0.056900	9.08		0.00	0.00	
CABLE									
Check =		1.000000	638.0						
OUTSIDE PLANT LOADINGS (NOTE 4)									
DROP WIRE ADJUSTMENT:									
AERIAL CA. =	0.0000	AIR DRYER LOADINGS:							
BURIED CA. =	0.0000	AERIAL CA. =		0.0000					
UNDERGRND =	0.0000	BURIED CA. =		0.0000					
		UNDERGRND =		0.0000					
OTHER INVESTMENT									
POLE LINE FACTOR (PL) =	0.0000	inv / unit lath: inv / unit		0.0000					
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PL) =	\$ 10.80								
UG CONDUIT FACTOR (UC) =	0.0000								
CONDUIT INVESTMENT (UTIL UNDERGRND INVST x UC) =	\$ 13.39								
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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