

Confidential Release

Case Number: 96-899-TP-ALT

Date of Confidential Document:

February 23, 1998

Today's Date: MAY 11 2011

Page Count 199

Part 20

MCI Exhibits

1-48

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Technician BMC Date Processed

MAY 11 2011

C:\123R24\LCATR042\SPAN		LOOP COST ANALYSIS TOOL										Bellcore (P)																																																																																																																																																																																																																																																																																					
PLANT CHART. - WORKSHEET SA Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO		WORKSHEET SA										LCAT R8: 1.0.4 Issued: 07/31/95 STUDY YR: 1995 TEST CASE: 1 LAST UPDATE: 29-Oct-95 TIME: 14:10																																																																																																																																																																																																																																																																																					
Sub Feeder Allocation Table																																																																																																																																																																																																																																																																																																	
OFFSET cur_lplgth 23774 dlcdpl = 14000 [8] distspa 1989 nom_range cur - dis NO COLOCATION dstopo = BUS dstopo = STAF dstopo = BUS COLOCATED RT AND CP - where COLOCATED fstopo = BUS COLOCATED STAF COLOCATED fstopo = BUS																																																																																																																																																																																																																																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">[C] [D=C-I]</th> <th colspan="2">[E] [F=D-E]</th> <th colspan="2">[G] [H=D-G]</th> <th colspan="2">[I] [J=C-I]</th> <th colspan="2">[K] [L=C-K]</th> <th colspan="2">[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>500</td><td>0</td><td>500</td><td>0</td><td>23774</td><td>0</td></tr> <tr><td>1000</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>23274</td><td>0</td></tr> <tr><td>2000</td><td>11</td><td>11</td><td>0</td><td>11</td><td>0</td><td>2000</td><td>0</td><td>2000</td><td>0</td><td>21774</td><td>0</td></tr> <tr><td>3000</td><td>1011</td><td>1011</td><td>0</td><td>1011</td><td>0</td><td>3000</td><td>0</td><td>3000</td><td>0</td><td>20774</td><td>0</td></tr> <tr><td>4000</td><td>2011</td><td>2011</td><td>0</td><td>2011</td><td>0</td><td>4000</td><td>0</td><td>4000</td><td>0</td><td>19774</td><td>0</td></tr> <tr><td>5000</td><td>3011</td><td>3011</td><td>0</td><td>3011</td><td>0</td><td>5000</td><td>0</td><td>5000</td><td>0</td><td>18774</td><td>0</td></tr> <tr><td>6000</td><td>4011</td><td>4011</td><td>0</td><td>4011</td><td>0</td><td>6000</td><td>0</td><td>6000</td><td>0</td><td>17774</td><td>0</td></tr> <tr><td>7000</td><td>5011</td><td>5011</td><td>0</td><td>5011</td><td>0</td><td>7000</td><td>0</td><td>7000</td><td>0</td><td>16774</td><td>0</td></tr> <tr><td>8000</td><td>6011</td><td>6011</td><td>0</td><td>6011</td><td>0</td><td>8000</td><td>0</td><td>8000</td><td>0</td><td>15774</td><td>0</td></tr> <tr><td>9000</td><td>7011</td><td>7011</td><td>0</td><td>7011</td><td>0</td><td>9000</td><td>0</td><td>9000</td><td>0</td><td>14774</td><td>0</td></tr> <tr><td>10000</td><td>8011</td><td>8011</td><td>0</td><td>8011</td><td>0</td><td>10000</td><td>0</td><td>10000</td><td>0</td><td>13774</td><td>0</td></tr> <tr><td>11000</td><td>9011</td><td>9011</td><td>0</td><td>9011</td><td>0</td><td>11000</td><td>0</td><td>11000</td><td>0</td><td>12774</td><td>0</td></tr> <tr><td>12000</td><td>10011</td><td>10011</td><td>0</td><td>10011</td><td>0</td><td>12000</td><td>0</td><td>12000</td><td>0</td><td>11774</td><td>0</td></tr> <tr><td>13000</td><td>11011</td><td>11011</td><td>0</td><td>11011</td><td>0</td><td>13000</td><td>0</td><td>13000</td><td>0</td><td>10774</td><td>0</td></tr> <tr><td>14000</td><td>12011</td><td>6005.5</td><td>8005.5</td><td>0</td><td>12011</td><td>7000</td><td>8000</td><td>14000</td><td>0</td><td>9774</td><td>0</td></tr> <tr><td>15000</td><td>13011</td><td>6505.5</td><td>6505.5</td><td>0</td><td>13011</td><td>7500</td><td>8500</td><td>15000</td><td>0</td><td>8774</td><td>0</td></tr> <tr><td>16000</td><td>14011</td><td>7005.5</td><td>7005.5</td><td>0</td><td>14011</td><td>8000</td><td>9000</td><td>16000</td><td>0</td><td>7774</td><td>0</td></tr> <tr><td>17000</td><td>15011</td><td>7505.5</td><td>7505.5</td><td>0</td><td>15011</td><td>8500</td><td>9500</td><td>17000</td><td>0</td><td>6774</td><td>0</td></tr> <tr><td>18000</td><td>16011</td><td>8005.5</td><td>8005.5</td><td>0</td><td>16011</td><td>9000</td><td>10000</td><td>18000</td><td>0</td><td>5774</td><td>0</td></tr> <tr><td>19000</td><td>17011</td><td>8505.5</td><td>8505.5</td><td>0</td><td>17011</td><td>9500</td><td>10500</td><td>19000</td><td>0</td><td>4774</td><td>0</td></tr> <tr><td>20000</td><td>18011</td><td>9005.5</td><td>9005.5</td><td>0</td><td>18011</td><td>10000</td><td>11000</td><td>20000</td><td>0</td><td>3774</td><td>0</td></tr> <tr><td>80000</td><td>78011</td><td>12011</td><td>65000</td><td>1000</td><td>77011</td><td>12011</td><td>67989</td><td>1000</td><td>79000</td><td>-58226</td><td></td></tr> </tbody> </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	500	0	500	0	23774	0	1000	0	0	0	0	0	1000	0	1000	0	23274	0	2000	11	11	0	11	0	2000	0	2000	0	21774	0	3000	1011	1011	0	1011	0	3000	0	3000	0	20774	0	4000	2011	2011	0	2011	0	4000	0	4000	0	19774	0	5000	3011	3011	0	3011	0	5000	0	5000	0	18774	0	6000	4011	4011	0	4011	0	6000	0	6000	0	17774	0	7000	5011	5011	0	5011	0	7000	0	7000	0	16774	0	8000	6011	6011	0	6011	0	8000	0	8000	0	15774	0	9000	7011	7011	0	7011	0	9000	0	9000	0	14774	0	10000	8011	8011	0	8011	0	10000	0	10000	0	13774	0	11000	9011	9011	0	9011	0	11000	0	11000	0	12774	0	12000	10011	10011	0	10011	0	12000	0	12000	0	11774	0	13000	11011	11011	0	11011	0	13000	0	13000	0	10774	0	14000	12011	6005.5	8005.5	0	12011	7000	8000	14000	0	9774	0	15000	13011	6505.5	6505.5	0	13011	7500	8500	15000	0	8774	0	16000	14011	7005.5	7005.5	0	14011	8000	9000	16000	0	7774	0	17000	15011	7505.5	7505.5	0	15011	8500	9500	17000	0	6774	0	18000	16011	8005.5	8005.5	0	16011	9000	10000	18000	0	5774	0	19000	17011	8505.5	8505.5	0	17011	9500	10500	19000	0	4774	0	20000	18011	9005.5	9005.5	0	18011	10000	11000	20000	0	3774	0	80000	78011	12011	65000	1000	77011	12011	67989	1000	79000	-58226	
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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 < DLCDPL, then CUR_SEGLGTH ^{staf} Equals CUR_LPLGTH - NOM_RANGE difference > DLCDPL, then CUR_SEGLGTH ^{prc} Equals CUR_LPLGTH - NOM_RANGE difference CUR_SEGLGTH - Calculation Assumptions The DISTSPAN can not exceed the DLCDPL value input on CRITERIA. Therefore, set the DLCDPL at the DISTSPAN to get an ALL FIBER Network.																																																																																																																																																																																																																																																																																																	

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

**OHIO ONLY
3 Geographic Areas**

07/26/96
Revised

Band 1

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

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

Band 2

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

6,697	1,836	8,534	5,698	1,013	6,711
69			90		
19,582	2,699	22,282	21,785	1,989	23,774
70			74		
0.4964			0.5488		
0.5036			0.4512		
1.0000			1.0000		

Band 3

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

4,845	1,981	6,825	4,512	1,095	5,608
48			41		
23,301	4,826	28,127	23,881	3,479	27,360
56			30		
0.4510			0.5775		
0.5490			0.4225		
1.0000			1.0000		

CONFIDENTIAL
NOTICE MUST BE GIVEN
PRIOR TO RELEASE TO PUBLIC
PROVIDED TO 10/15/99

OHIO ONLY
REVISED JAN 1997 VERSION
BAND 3
PUBLIC COIN

MCI Depo.
Ex. No. 34
DJH 11-26-97

INDEX

BAND 3

Public Coin

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

A
B
C
D
E
F
GCA\123R24\LCATR043\RESULTS1
OUTPUT - REPORT D
SHEET 1 of 1**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT SUMMARY REPORTBelcore[®]LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:53COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: TOTAL TECHNOLOGIES
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 5606 FEET

Loop Span Set Weighting: 1 UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED
TOTAL
LOOPPLANT NAME --- FEEDER --- DISTRIBUTION NETWORK
SEG. NAME PRIMARY EXTENSION SUB- INTERFACEEQPT
CODE
SEG. LGTH.PLANT
ITEM DESCRIPTION**SHARED RESOURCES**

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

DIRECT RESOURCES

30	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
31	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
32	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.4513
33	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
34	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 2.31	\$ 2.55	\$ 0.00	\$ 4.8600
35	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.16	\$ 0.00	\$ 0.00	\$ 2.7700
36	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.4100
37	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
38	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
39	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
40	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
41	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
42	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
43	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
44	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
45	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
46	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
47	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
48	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.55	\$ 0.61	\$ 0.00	\$ 1.1600
49	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.15	\$ 0.00	\$ 0.00	\$ 0.1500

SPAN SUMMARY

\$ 0.00 \$ 0.00 \$ 3.58 \$ 5.77 \$ 2.45

\$ 11.80

\$ 11.80

CONFIDENTIAL
NOTICE: MOST INFORMATION
PROVIDED TO PUBLIC
PUCO

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C:\123R24\LCATR043\RESULTS1
OUTPUT - COST_REPORTS

Belcore (A)
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) PUBLIC COIN PHONE 0 - 18000 FEET INTRASTATE

CURRENT TEST PLAN :

CURRENT JOB IDENT

BASIS	NETWORK	TEST CASE	DATE	TIME
FR/DS	FLAT RATE	#BANDS	0	09:40
SVC LEVEL	NARBAND	#PORTS	0	09:40
CST METH	UNNCR	INV LEVEL	ANNCOST	TIME

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C:\123R24\LCATR043\RESULTS1
OUTPUT - WORKSHEET D
SHEET 1 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 : 1 CDLC
LOOP SPAN DIVISION : ALL LOOP SPANS
SERVICE CLASS : BAND 3 - PUBLIC COIN P
TOTAL LOOP LENGTH : 5608 FEET

LCAT Rel : 1.0.4
Issued : 7/31/95
STUDY YR : 1996
TEST CASE : 1
RUN DATE : 28-Jan-97
TIME : 12:53

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Circuit Design Mix : 1.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

PLANT NAME
SEG. NAME
EQPT
PLANT
ITEM DESCRIPTION

FEEDER
PRIMARY
EXTENSION
SUB-

DISTRIBUTION NETWORK
INTERFACE

TOTAL
LOOP

WEIGHTED
TOTAL
LOOP

SHARED 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 \$ 0.00 \$ 0.00

INTRABLDG CABLE 52C \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00

AERIAL CABLE (COPPER) 22C \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00

BURIED CABLE (COPPER) 45C \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00

UNDERGROUND (CU) CA. 5C \$ 0.00 \$ 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 \$ 0.00

CO EQPT - LOW CAP CHAN 257C \$ 0.00 \$ 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 \$ 0.00

CO EQPT - HI CAP 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 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00

CONDUIT 4C \$ 0.00 \$ 0.00 \$ 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 \$ 2.45 \$ 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 \$ 2.31 \$ 2.55 \$ 4.86 \$ 4.86 \$ 4.86

BURIED CABLE (COPPER) 45C \$ 0.00 \$ 0.16 \$ 2.61 \$ 2.77 \$ 2.77 \$ 2.77

UNDERGROUND (CU) CA. 5C \$ 0.00 \$ 0.41 \$ 0.00 \$ 0.41 \$ 0.41 \$ 0.41

CO EQPT - LOW CAP TERM 257C \$ 0.00 \$ 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 \$ 0.00

CO EQPT - HI CAP TERM 857C \$ 0.00 \$ 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 \$ 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 \$ 0.00 \$ 0.00 \$ 0.00 \$ 1.16 \$ 1.16 \$ 1.16

CONDUIT 4C \$ 0.00 \$ 0.15 \$ 0.00 \$ 0.15 \$ 0.15 \$ 0.15

SPAN SUMMARY \$ 0.00 \$ 0.00 \$ 3.58 \$ 5.77 \$ 2.45 \$ 11.80

CIRCUIT DESIGN SUMMARY \$ 11.80

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A B C D E F G		CA:123R24\LCATR043\RESULTS1 OUTPUT - WORKSHEET D SHEET 2 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 CDLC		STUDY YR: 1996			
		CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		TEST CASE: 1			
		STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PI		DATE: 28-Jan-97			
		JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 5608 FEET		TIME: 12:53			
0		Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				WEIGHTED	
1		PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL	
2		SEG. NAME		PRIMARY		EXTENSION		SUB-	
3		EQPT				INTERFACE		TOTAL	
4		PLANT		CODE				LOOP	
5		ITEM DESCRIPTION						WEIGHTED	
6		SHARED RESOURCES						TOTAL	
7		LAND		20C				\$0	
8		BUILDING		10C				\$0	
9		BLDG ENTRANCE CABLE		12C				\$0	
10		INTRABLDG CABLE		52C				\$0	
11		AERIAL CABLE (COPPER)		22C				\$0	
12		BURIED CABLE (COPPER)		45C				\$0	
13		UNDERGROUND (CU) CA.		5C				\$0	
14		CO EQPT - LOW CAP TERM		257C				\$0	
15		CO EQPT - LOW CAP CHAN		257C				\$0	
16		CO EQPT - HI CAP TERM		857C				\$0	
17		CO EQPT - HI CAP CHAN		857C				\$0	
18		CO EQPT - ANALOG SW		77C				\$0	
19		CO EQPT - DIGITAL SW		377C				\$0	
20		AERIAL CABLE (FIBER)		822C				\$0	
21		BURIED CABLE (FIBER)		845C				\$0	
22		UNDERGROUND (FO) CA.		85C				\$0	
23		CONNECTORS		57C				\$0	
24		MISC. COM EQP & PWR		57C				\$0	
25		POLE LINE		1C				\$0	
26		CONDUIT		4C				\$0	
27									
28									
29		DIRECT RESOURCES							
30		LAND		20C				\$0	
31		BUILDING		10C				\$0	
32		BLDG ENTRANCE CABLE		12C				\$0	
33		INTRABLDG CABLE		52C				\$0	
34		AERIAL CABLE (COPPER)		22C				\$0	
35		BURIED CABLE (COPPER)		45C				\$0	
36		UNDERGROUND (CU) CA.		5C				\$0	
37		CO EQPT - P GAIN TERM		257C				\$0	
38		CO EQPT - P GAIN CHAN		257C				\$0	
39		CO EQPT - FO MUX TERM		857C				\$0	
40		CO EQPT - FO MUX CHAN		857C				\$0	
41		CO EQPT - ANALOG SW		77C				\$0	
42		CO EQPT - DIGITAL SW		377C				\$0	
43		AERIAL CABLE (FIBER)		822C				\$0	
44		BURIED CABLE (FIBER)		845C				\$0	
45		UNDERGROUND (FO) CA.		85C				\$0	
46		CONNECTORS		57C				\$0	
47		MISC. COM EQP & PWR		57C				\$0	
48		POLE LINE		1C				\$0	
49		CONDUIT		4C				\$0	
50									
51		SPAN SUMMARY						\$0	
52								\$0	
53		CIRCUIT DESIGN SUMMARY						\$0	
54									
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C:\123R24\LCATR049\RESULTS1
OUTPUT - WORKSHEET D
SHEET 3 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 CDLC
LOOP SPAN DIVISION : ALL LOOP SPANS
SERVICE CLASS : BAND 3 - PUBLIC COIN PI
TOTAL LOOP LENGTH : 5608 FEET

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:59

Bellcor

Technology Type Mix: 0.00001

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

TECHNOLOGY WEIGHTED

PLANT	ITEM DESCRIPTION	PLANT NAME SEG. NAME EQPT CODE	FEEDER				DISTRIBUTION NETWORK		TOTAL LOOP	TOTAL LOOP	
			PRIMARY	EXTENSION	SUB-	INTERFACE					
SHARED RESOURCES											
8	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
9	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
10	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
11	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
12	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
13	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
14	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
15	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
16	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
17	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
18	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
19	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
20	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
21	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
22	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
23	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
24	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
25	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
26	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
27	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
DIRECT RESOURCES											
30	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
31	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
32	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.45	\$ 0.0000	
33	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
34	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 2.31	\$ 2.55	\$ 0.00	\$ 4.86	\$ 4.86	\$ 0.0000	
35	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.16	\$ 2.61	\$ 0.00	\$ 2.77	\$ 2.77	\$ 0.0000	
36	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.41	\$ 0.00	\$ 0.00	\$ 0.41	\$ 0.41	\$ 0.0000	
37	CO EQPT - P GAIN TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
38	CO EQPT - P GAIN CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
39	CO EQPT - FO MUX TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
40	CO EQPT - FO MUX CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
41	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
42	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
43	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
44	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
45	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
46	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
47	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000	
48	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.16	\$ 0.0000	
49	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.15	\$ 0.0000	
SPAN SUMMARY			\$ 0.00	\$ 0.00	\$ 3.58	\$ 5.17	\$ 2.45	\$ 11.80	\$ 11.80	\$ 0.00	
TECHNOLOGY DESIGN SUMMARY										\$ 11.80	

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A B C D E F G		LOOP COST ANALYSIS TOOL						Bellcore (R)	
CA123R24\LCATR043\RESULTS1		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY						LCAT Rel: 1.0.4	
OUTPUT - WORKSHEET D								Issued: 7/31/95	
SHEET 4 of 10								STUDY YR: 1996	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 1 FOMUX						TEST CASE: 1	
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS						RUN DATE: 28-Jan-97	
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PI						TIME: 12:53	
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						TOTAL	WEIGHTED
1		PLANT NAME	FEEDER	DISTRIBUTION	NETWORK	INTERFACE	LOOP	TOTAL	LOOP
2		SEG. NAME	PRIMARY	EXTENSION	SUB-				
3		EQPT							
4		PLANT							
5		CODE							
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							\$0	\$0	
53							\$0	\$0	
54							\$0	\$0	
55							\$0	\$0	

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C:\123R24\LCATR043\RESULTS1		LOOP COST ANALYSIS TOOL				Belcore	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Rel: 1.0.4	
SHEET 5 of 10						Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 2 FOMUX		STUDY YR: 1996			
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		TEST CASE: 1			
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PI		RUN DATE: 28-Jan-97			
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 5608 FEET		TIME: 12:53			
Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				TOTAL	WEIGHTED
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		LOOP	TOTAL
SEG. NAME		PRIMARY	EXTENSION	SUB-	INTERFACE		LOOP
EQPT							
PLANT CODE							
ITEM DESCRIPTION							
SHARED RESOURCES							
8	LAND	20C				\$0	\$0
9	BUILDING	10C				\$0	\$0
10	BLDG ENTRANCE CABLE	12C				\$0	\$0
11	INTRABLDG CABLE	52C				\$0	\$0
12	AERIAL CABLE (COPPER)	22C				\$0	\$0
13	BURIED CABLE (COPPER)	45C				\$0	\$0
14	UNDERGROUND (CU) CA.	5C				\$0	\$0
15	CO EQPT - LOW CAP TERM	257C				\$0	\$0
16	CO EQPT - LOW CAP CHAN	257C				\$0	\$0
17	CO EQPT - HI CAP TERM	857C				\$0	\$0
18	CO EQPT - HI CAP CHAN	857C				\$0	\$0
19	CO EQPT - ANALOG SW	77C				\$0	\$0
20	CO EQPT - DIGITAL SW	377C				\$0	\$0
21	AERIAL CABLE (FIBER)	822C				\$0	\$0
22	BURIED CABLE (FIBER)	845C				\$0	\$0
23	UNDERGROUND (FO) CA.	85C				\$0	\$0
24	CONNECTORS	57C				\$0	\$0
25	MISC. COM EQP & PWR	57C				\$0	\$0
26	POLE LINE	1C				\$0	\$0
27	CONDUIT	4C				\$0	\$0
DIRECT RESOURCES							
30	LAND	20C				\$0	\$0
31	BUILDING	10C				\$0	\$0
32	BLDG ENTRANCE CABLE	12C				\$0	\$0
33	INTRABLDG CABLE	52C				\$0	\$0
34	AERIAL CABLE (COPPER)	22C				\$0	\$0
35	BURIED CABLE (COPPER)	45C				\$0	\$0
36	UNDERGROUND (CU) CA.	5C				\$0	\$0
37	CO EQPT - LOW CAP TERM	257C				\$0	\$0
38	CO EQPT - LOW CAP CHAN	257C				\$0	\$0
39	CO EQPT - HI CAP TERM	857C				\$0	\$0
40	CO EQPT - HI CAP CHAN	857C				\$0	\$0
41	CO EQPT - ANALOG SW	77C				\$0	\$0
42	CO EQPT - DIGITAL SW	377C				\$0	\$0
43	AERIAL CABLE (FIBER)	822C				\$0	\$0
44	BURIED CABLE (FIBER)	845C				\$0	\$0
45	UNDERGROUND (FO) CA.	85C				\$0	\$0
46	CONNECTORS	57C				\$0	\$0
47	MISC. COM EQP & PWR	57C				\$0	\$0
48	POLE LINE	1C				\$0	\$0
49	CONDUIT	4C				\$0	\$0
SPAN SUMMARY		\$0	\$0			\$0	\$0

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OUTPUT - WORKSHEET D
SHEET 6 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: 28-Jan-97
TIME: 12:53COMPANY: 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 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 5608 FEET

Circuit Design Mix: [1.0000]		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TOTAL LOOP	WEIGHTED TOTAL LOOP
PLANT	SEG. NAME	PRIMARY	FEEDER	SUB-	DISTRIBUTION NETWORK	INTERFACE		
ITEM DESCRIPTION	EQPT CODE							
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
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	\$ 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	\$ 5.77	\$ 2.45		\$ 11.80	\$ 11.80
52							\$ 11.80	
53								
54								
55								

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OUTPUT - WORKSHEET D
SHEET 7 of 10**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY**Belcore**[®]COMPANY: 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 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 5608 FEETLCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:53

Circuit Design Mix: 0.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

TOTAL WEIGHTED
LOOP TOTAL
LOOP

PLANT	SEG. NAME	EQPT	CODE	PRIMARY	FEEDER	EXTENSION	SUB--	DISTRIBUTION NETWORK	INTERFACE	TOTAL LOOP	WEIGHTED TOTAL LOOP
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	\$0

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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 3 - PUBLIC COIN PI				RUN DATE: 28-Jan-97	
JOB IDENT: CINCINNATI		TOTAL LOOP LENGTH: 5608 FEET				TIME: 12:53	
Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				TOTAL	WEIGHTED
PLANT NAME		FEEDER		DISTRIBUTION NETWORK		LOOP	TOTAL
SEG. NAME		PRIMARY		EXTENSION		LOOP	LOOP
EQPT				SUB-			
CODE				INTERFACE			
PLANT	ITEM DESCRIPTION						
SHARED RESOURCES							
8	LAND	20C				\$0	\$0
9	BUILDING	10C				\$0	\$0
10	BLDG ENTRANCE CABLE	12C				\$0	\$0
11	INTRABLDG CABLE	52C				\$0	\$0
12	AERIAL CABLE (COPPER)	22C				\$0	\$0
13	BURIED CABLE (COPPER)	45C				\$0	\$0
14	UNDERGROUND (CU) CA.	5C				\$0	\$0
15	CO EQPT - LOW CAP TERM	257C				\$0	\$0
16	CO EQPT - LOW CAP CHAN	257C				\$0	\$0
17	CO EQPT - HI CAP TERM	857C				\$0	\$0
18	CO EQPT - HI CAP CHAN	857C				\$0	\$0
19	CO EQPT - ANALOG SW	77C				\$0	\$0
20	CO EQPT - DIGITAL SW	377C				\$0	\$0
21	AERIAL CABLE (FIBER)	822C				\$0	\$0
22	BURIED CABLE (FIBER)	845C				\$0	\$0
23	UNDERGROUND (FO) CA.	85C				\$0	\$0
24	CONNECTORS	57C				\$0	\$0
25	MISC. COM EQP & PWR	57C				\$0	\$0
26	POLE LINE	1C				\$0	\$0
27	CONDUIT	4C				\$0	\$0
DIRECT RESOURCES							
30	LAND	20C				\$0	\$0
31	BUILDING	10C				\$0	\$0
32	BLDG ENTRANCE CABLE	12C				\$0	\$0
33	INTRABLDG CABLE	52C				\$0	\$0
34	AERIAL CABLE (COPPER)	22C				\$0	\$0
35	BURIED CABLE (COPPER)	45C				\$0	\$0
36	UNDERGROUND (CU) CA.	5C				\$0	\$0
37	CO EQPT - LOW CAP TERM	257C				\$0	\$0
38	CO EQPT - LOW CAP CHAN	257C				\$0	\$0
39	CO EQPT - HI CAP TERM	857C				\$0	\$0
40	CO EQPT - HI CAP CHAN	857C				\$0	\$0
41	CO EQPT - ANALOG SW	77C				\$0	\$0
42	CO EQPT - DIGITAL SW	377C				\$0	\$0
43	AERIAL CABLE (FIBER)	822C				\$0	\$0
44	BURIED CABLE (FIBER)	845C				\$0	\$0
45	UNDERGROUND (FO) CA.	85C				\$0	\$0
46	CONNECTORS	57C				\$0	\$0
47	MISC. COM EQP & PWR	57C				\$0	\$0
48	POLE LINE	1C				\$0	\$0
49	CONDUIT	4C				\$0	\$0
51	SPAN SUMMARY		\$0			\$0	\$0

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 SHEET 9 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: 28-Jan-97
 TIME: 12:53

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

CIRCUIT DESIGN: 8 FOMUX
 LOOP SPAN DIVISION: ALL LOOP SPANS
 SERVICE CLASS: BAND 3 - PUBLIC COIN PI
 TOTAL LOOP LENGTH: 5608 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

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OUTPUT - WORKSHEET D
SHEET 10 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: 28-Jan-97
TIME: 12:53COMPANY: 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 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 5608 FEET

Technology Type Mix: T.0000		UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY						TECHNOLOGY
		PLANT NAME	FEEDER	DISTRIBUTION NETWORK			TOTAL	WEIGHTED
		SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	TOTAL
		EQPT						LOOP
		CODE						
PLANT								
ITEM DESCRIPTION								
SHARED RESOURCES								
LAND	20C		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
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	\$ 2.31	\$ 2.55	\$ 0.00	\$ 4.8600
BURIED CABLE (COPPER)	45C		\$ 0.00	\$ 0.00	\$ 0.16	\$ 2.61	\$ 0.00	\$ 2.7700
UNDERGROUND (CU) CA.	5C		\$ 0.00	\$ 0.00	\$ 0.41	\$ 0.00	\$ 0.00	\$ 0.4100
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	\$ 1.16	\$ 1.1600
CONDUIT	4C		\$ 0.00	\$ 0.00	\$ 0.15	\$ 0.00	\$ 0.15	\$ 0.1500
SPAN SUMMARY			\$ 0.00	\$ 0.00	\$ 5.58	\$ 5.77	\$ 11.80	\$ 11.80
							\$ 11.80	

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PROVIDED TO PUBLIC

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A123R24\LCATCALC\DIST

Bellcore (R)

RUN - DIST PLNT

LCAT

Release: 1.0.4

Issued: 8/31/95

LAST UPDATE

28-Jan-97

12:29

LOOP COST ANALYSIS TOOL

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 3 (OHIO ONLY) PUBLIC COIN PHONE 0 - 18000 FEET

CURRENT TEST PLAN :

CURRENT JOB IDENT: CINCINNATI

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

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C:\123R24\LCAT\CALC\DIST
DIST_PLANT - 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 3 - PUBLIC COIN PHONE

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

LCAT Release: 1.0.4
Issue Date: 6/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:48

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM	LENGTH	FROM	CABLE INVESTMENT PER PAIR FOOT	CABLE INVESTMENT PER PAIR	(NOTE 4) WEIGHTED TERMINAL INVESTMENT	CABLE COMPONENTS		(NOTE 4) WEIGHTED DROPP WIRE INVESTMENT
		TABLE 2 - RELATIVE MIX OF TYPE OF CA. PLANT	SUBSET BY TYPE OF PLANT	TABLE 4 - CABLE INVESTMENT PAIR FOOT				AIR DRYER INVESTMENT PER PAIR	DROPP WIRE ADJUSTMENT PER PAIR	
[A]		[B]	[C=A*B]	[D]	[E=C*D]			[F=E*fctr]	[G=E*fctr]	
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)								
DROPP WIRE ADJUSTMENT:		AIR DRYER LOADINGS:								
AERIAL CA. = 0.0000		AERIAL CA. = 0.0000								
BURIED CA. = 0.0000		BURIED CA. = 0.0000								
UNDERGRND = 0.0000		UNDERGRND = 0.0000								
OTHER INVESTMENT										
POLE LINE FACTOR (PLF) = 0.0000		inv / unit lgh: 0.2530								
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) = \$19.19		NOTICE MUST BE GIVEN								
UG CONDUIT FACTOR (UCF) = 0.0000		R TO RELEASE TO PUBLIC								
CONDUIT INVESTMENT (UTIL UNDGRND INVT x UCF) = \$0.00		PROVIDED TO PUCO								
FOOTNOTES NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING. NOTE 2: TABLE 4 & 6 DEVELOPMENT SHOWN ON WORKSHEET A. NOTE 3: DESIGN AT THIS DISTANCE HAS NO LOAD COILS; THEREFORE, TERMINAL INVESTMENT IS ZERO NOTE 4: BY FCC MANDATE, THIS INVESTMENT IS INCORPORATED INTO THE APPROPRIATE CABLE ACCOUNT (SEE BUILDING AND TERMINATING INVESTMENT WORKSHEET)										

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

LOOP COST ANALYSIS TOOL
ACCOUNT INVESTMENT WORKSHEET
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: DISTRIBUTION PLANT (NON-DLC, NON-COLLOC)
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

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

LCAT Release: 1.0.4
Issue Date: 9/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:48

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	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES
				[F]	[G]	[H=F*G]	[H'=F*G]	[J]	[K=H/J]	[K'=H'/J]
LAND	20C	F	SHARED					1.0000		
BUILDING	10C	F	SHARED					1.0000		
BLDG ENTRANCE CABLE	12C	V	DIRECT					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)	845C	F	DIRECT					0.0000		
UNDERGROUND (FO) CA.	85C	F	DIRECT					0.0000		
CONNECTORS	57C	V	DIRECT					1.0000		
MISC. COM EQP & PWR	57C	V	SHARED					1.0000		
POLE LINE	1C	F	DIRECT	19.19	1			1.0000		\$ 19
CONDUIT	4C	F	DIRECT	0.00				1.0000		

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PROVIDED TO PUCO

\$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

Bellicore®

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

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:48

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

SERVICE CLASS: BAND 3 - PUBLIC COMM PHONE

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES	DIRECT RESOURCES		SHARED RESOURCES	DIRECT RESOURCES	SHARED RESOURCES	DIRECT RESOURCES
			[M=K*L]	[M'=K'*L]		[P=M*N]	[P'=M'*N]	[R=P/12]	[R'=P'/12]
LAND	20C	1.0000			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000			0.3922				
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 76	0.4033		\$ 30.59		\$ 2.55
BURIED CABLE (COPPER)	45C	1.0000		\$ 90	0.3457		\$ 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		\$ 7.31		\$ 0.61
CONDUIT	4C	1.0000			0.2521				

TOTALS

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PROVIDED TO PUCO

FOOTNOTES

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

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

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

Bellicore (R)
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:48

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

POLE LINE FACTOR (PLF) = 0.0000 from invest. 0.2500

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

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

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C:\123R24\LCAT\CALC\DIST
DIST_PLNT - 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: 28-Jan-97

TIME: 12:48

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

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

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\$ 0 \$ 75
\$ 75

botimvty

FOOTNOTES

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

NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.

AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC;
CO EQPT - ESS = CONNECTORS + MISC. CP&E.

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

LOOP COST ANALYSIS TOOL
PROSPECTIVE AND ANNUAL COSTS WORKSHEET

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:48

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

botshrnrv botshrnrv botshrnrv botshrnrv botshrnrv

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

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

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET

Bellcore®

LCAT

Release: 1.0.4

STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:49

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

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

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POLE LINE FACTOR (PLF) =

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

\$ 0.00

from invest. :

0.2530

FOOTNOTES

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

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

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LOOP COST ANALYSIS TOOL										Bellcore (R)	
ACCOUNT INVESTMENT WORKSHEET										LCAT	
COMPANY: CINCINNATI BELL TEL.										Release: 1.0.4	
CITY/AREA: CINCINNATI										STUDY YR: 1996	
STATE/PROV: OHIO										TEST CASE: 1	
FACILITY TYPE: COPPER CABLE										RUN DATE: 28-Jan-97	
CIRCUIT SEGMENT: SERVICE ACCESS										TIME: 12:49	
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE											
PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE	1996 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]	ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]		
LAND	20C	F	SHARED				1.0000				
BUILDING	10C	F	SHARED				1.0000				
BLDG ENTRANCE CABLE	12C	V	DIRECT	75.00	1		\$ 75		\$ 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		
								botinviv			

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

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DIST_PLNT - WORKSHEET B
Sheet 3 of 3

LOOP COST ANALYSIS TOOL
PROSPECTIVE AND ANNUAL COSTS WORKSHEET

BelcoreTM
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:49

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP/INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000			0.2322				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000		\$ 75	0.3922		\$ 29.42		\$ 2.45
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000			0.4033				
BURIED CABLE (COPPER)	45C	1.0000			0.3467				
UNDERGROUND (CU) CA.	5C	1.0000			0.3663				
CO EQPT - P GAIN TERM	257C	1.0000			0.3881				
CO EQPT - P GAIN CHAN	257C	1.0000			0.3881				
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ANALOG SW	77C	1.0000			0.0000				
CO EQPT - DIGITAL SW	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.3881				
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			0.3881				
TOTALS			\$ 0	\$ 75		\$ 0.00	\$ 29.42	\$ 0.00	\$ 2.45

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

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DIST_PLNT - REPORT 14A
Sheet 1 of 3

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 - FCBLUC COIN PHONE

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:49

LOOP COST ANALYSIS TOOL
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

logc-14a 1996 UNIT MONTHLY RECURRING COST BY ACCOUNT

PLANT ITEM	PLANT ACCT CODE	BAND MIX AVG. LGTH.	1996 UNIT MONTHLY RECURRING COST BY ACCOUNT	(See Note) TOTAL AVG. WEIGHTED INVESTMENT
			0	
			1.0000	
			5608	
			1095.0	1095
SHARED RESOURCES				
LAND	20C			\$ 0.00
BUILDING	10C			\$ 0.00
BLDG ENTRANCE CABLE	12C			\$ 0.00
INTRABLDG CABLE	52C			\$ 0.00
AERIAL CABLE (COPPER)	22C			\$ 0.00
BURIED CABLE (COPPER)	45C			\$ 0.00
UNDERGROUND (CU) CA.	5C			\$ 0.00
CO EQPT - P GAIN TERM	257C			\$ 0.00
CO EQPT - P GAIN CHAN	257C			\$ 0.00
CO EQPT - FO MUX TERM	857C			\$ 0.00
CO EQPT - FO MUX CHAN	857C			\$ 0.00
CO EQPT - ANALOG SW	77C			\$ 0.00
CO EQPT - DIGITAL SW	377C			\$ 0.00
AERIAL CABLE (FIBER)	822C			\$ 0.00
BURIED CABLE (FIBER)	845C			\$ 0.00
UNDERGROUND (FO) CA.	85C			\$ 0.00
CONNECTORS	57C			\$ 0.00
MISC. COM EQP & PWR	57C			\$ 0.00
POLE LINE	1C			\$ 0.00
CONDUIT	4C			\$ 0.00
DIRECT RESOURCES				
LAND	20C			\$ 0.00
BUILDING	10C			\$ 0.00
BLDG ENTRANCE CABLE	12C			\$ 0.00
INTRABLDG CABLE	52C			\$ 0.00
AERIAL CABLE (COPPER)	22C			\$ 2.55
BURIED CABLE (COPPER)	45C			\$ 2.61
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		\$ 0.61	\$ 0.61
CONDUIT	4C			\$ 0.00
SPAN SUMMARY			\$ 5.77	\$ 0.00
AVG. WTD. SPAN SUMMARY			\$ 5.77	\$ 0.00
NOTE:			[sum(INV _{ACCT} BAND * MIX _{BAND})]	
				\$ 5.77

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DIST PLNT - REPORT 148

Sheet 1 of 1

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

LOOP COST ANALYSIS TOOL

PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

Bellcore

LCAT

Release: 1.0.4

STUDY YR: 1998

TEST CASE: 1

RUN DATE: 28-Jan-97

TIME: 12:49

1996 UNIT MONTHLY RECURRING COST BY ACCOUNT

ALL

PLANT ITEM

PLANT
ACCT
CODEBAND
MIX
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

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

SPAN TOTAL

\$2.45

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RUN - SUB PRI

Belcore (R)

LCAT

Release: 1.0.4

Issued: 7/31/95

LAST UPDATE

28-Jan-97

12:30

LOOP COST ANALYSIS TOOL**FEEDER SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY****STUDY NAME:** 1996 BAND 3 (OHIO ONLY) PUBLIC COIN PHONE 0 - 18000 FEET IN**CURRENT TEST PLAN :** CURRENT JOB IDENT **CONFIDENTIAL**

BASIS	FLAT RATE	TEST CASE	1
FR / DS	FLAT RATE	# BANDS	0
SVC LEVEL	NARS BAND	# KITS CASE	TO PUBLIC
CST METH	UN INCR	INV LEVEL	ANN COST

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

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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 - PUBLIC COIN PHONE

Belcore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:50

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2	FROM TABLE 4	CABLE COMPONENTS				
		RELATIVE MIX OF TYPE OF CA. PLANT [B]	LENGTH SUBSET BY TYPE OF PLANT [C=A*B]	MIXED CABLE DESIGN INVEST. PER PAIR FOOT [D]	CABLE INVESTMENT PER PAIR [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR [E*fctr]
4513	AERIAL	0.810000	3655.53	0.011300	41.31		0.00	0.00
MELDED GAUGE/S/ COPPER	BURIED	0.040000	180.52	0.018900	3.41		0.00	0.00
CABLE	UNDERGRND	0.150000	676.95	0.012000	8.12		0.00	0.00
CHECK =		1.000000						

23 ADDITIONAL CALCULATIONS FOR CENTRAL OFFICE INVESTMENTS

24 INVESTMENT PER CIRCUIT TERMINATION

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

26 inv / unit lctn: inv rtn fctr:

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 = \$ 6.99

33 (UTIL UNDGRND INVEST x UCF)

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 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 = 0.00560

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

PERCENT OF CO CONN AT DIGITAL SWITCHES 100.0000

PERCENT OF CO CONN AT ANALOG SWITCHES 0.0000

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SUB_PRI - WORKSHEET
Sheet 2 of 3

LOOP COST ANALYSIS TOOL
ACCOUNT INVESTMENT WORKSHEET
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB-PRIMARY
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

Belcore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1998
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:50

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

PLANT ITEM	PLANT ACCT CODE	FIXED VARI CAT.	RESOURCE ALLOCATION T	1996 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		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	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					0.5500		
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		\$ 7	1.0000		\$ 17
CONDUIT	4C	F	DIRECT	6.99	1		\$ 7	1.0000		\$ 7
TOTALS										\$ 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.

C:\123R24\LCAT\CALC\OUTECH
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/SUB-PRIMARY
SERVICE CLASS: SAND 3 - PUBLIC COIN PHONE

Belcore®
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 12:50

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENTS BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000			0.2322				
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		\$ 69	0.4033		\$ 27.77		\$ 2.31
BURIED CABLE (COPPER)	45C	1.0000		\$ 6	0.3467		\$ 1.97		\$ 0.16
UNDERGROUND (CU) CA.	5C	1.0000		\$ 14	0.3663		\$ 4.96		\$ 0.41
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		\$ 17	0.3807		\$ 6.63		\$ 0.55
CONDUIT	4C	1.0000		\$ 7	0.2521		\$ 1.75		\$ 0.15
SUBTOTALS			\$ 0	\$ 112		\$ 43.09	\$ 43.09	\$ 3.58	\$ 3.58
TOTALS				\$ 112		\$ 43.09	\$ 43.09	\$ 3.58	\$ 3.58

culpinvsy culpinrc

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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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CM23R24/LCAT/CALC/CUTECH		LOOP COST ANALYSIS TOOL		Bellicore [®]	
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 - PUBLIC COIN PHONE		TEST CASE: 1	
				RUN DATE: 26-Jan-97	
				TIME: 12:50	
0		logic-14a		1996 UNIT MONTHLY RECURRING COST BY ACCOUNT	
1		BAND		(SEE NOTE)	
2		MIX		TOTAL	
3		ACCT		AVG. WEIGHTED	
4		PLANT ITEM			
5		CODE LGTH			
6		SEG LGTH		4513	
7		SHARED RESOURCES			
8		LAND		20C	
9		BUILDING		10C	
10		BLDG ENTRANCE CABLE		12C	
11		INTRABLDG CABLE		52C	
12		AERIAL CABLE (COPPER)		22C	
13		BURIED CABLE (COPPER)		45C	
14		UNDERGROUND (CU) CA.		5C	
15		CO EQPT - P GAIN TERM		257C	
16		CO EQPT - P GAIN CHAN		257C	
17		CO EQPT - FO MUX TERM		857C	
18		CO EQPT - FO MUX CHAN		857C	
19		CO EQPT - ANALOG SW		77C	
20		CO EQPT - DIGITAL SW		377C	
21		AERIAL CABLE (FIBER)		822C	
22		BURIED CABLE (FIBER)		845C	
23		UNDERGROUND (FO) CA.		85C	
24		CONNECTORS		57C	
25		MISC. COM EQP & PWR		57C	
26		POLE LINE		1C	
27		CONDUIT		4C	
28		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	
49					
50		SPAN SUMMARY		\$ 3.58 \$ 0.00	
51				\$ 0.00 \$ 0.00	
52		AVG. WTD. SPAN SUMMARY		\$ 3.58 \$ 0.00	
53				\$ 0.00 \$ 0.00	
54		NOTE: [sum(INV _{ACCT} ^{BAND} * MIX ^{BAND})]			
55					

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

Belcore (TM)

LCAT

Release: 1.0.4

Issued: 8/31/95

LAST UPDATE

28-Jan-97

12:31

LOOP COST ANALYSIS TOOL

FEEDER SEGMENT COST MODEL - COPPER DLC TECHNOLOGY

STUDY NAME: 1996 BAND 3 (OHIO ONLY) PUBLIC COIN PHONE A 6000 FEET INTRASTATE

CURRENT TEST PLAN: CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE
FR / DS	FLAT RATE	NO BANDS
SVC LEVEL	NAR BAND	#PTS
CST METH	UN INER	INV LEVEL
		ANN COST

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LOOP COST ANALYSIS TOOL										Bellcore																	
BASIC INVESTMENT WORKSHEET										LCAT Release: 1.0.4																	
CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET										Issue Date: 8/31/85																	
FOR: DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY										STUDY YR: 1985																	
FACILITY TYPE: COPPER DIG LOOP CRR										TEST CASE: 1																	
CIRCUIT DESIGN: T-1 C										DATE: 28-Jan-97																	
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE										TIME: 12:51 PM																	
COMPANY: CINCINNATI BELL TEL CITY / AREA: OHIO STATE: OHIO / CINCINNATI 5508 cur lgth 4513 cursidr-lgth f = 0.125 pgrfactor																											
<table border="1"> <thead> <tr> <th rowspan="2">SEGMENT LENGTH IN FEET</th> <th rowspan="2">TYPE OF CABLE</th> <th rowspan="2">RELATIVE MIX OF TYPE OF CA. PLANT</th> <th rowspan="2">EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT</th> <th rowspan="2">MELDED INVEST. PER UNIT FOOT</th> <th colspan="2">CABLE COMPONENTS (NOTE 5)</th> <th colspan="2">(NOTE 4)</th> <th colspan="2">(NOTE 5)</th> </tr> <tr> <th>CABLE INVESTMENT PER CHAN [E=C*D]</th> <th>WEIGHTED TERMINAL INVESTMENT [UI*DTC]</th> <th>AIR DRYER INVESTMENT PER PAIR [E*fcrr]</th> <th>DROP WIRE ADJUSTMENT PER PAIR [E*fcrr]</th> <th>WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]</th> </tr> </thead> </table>												SEGMENT LENGTH IN FEET	TYPE OF CABLE	RELATIVE MIX OF TYPE OF CA. PLANT	EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT	MELDED INVEST. PER UNIT FOOT	CABLE COMPONENTS (NOTE 5)		(NOTE 4)		(NOTE 5)		CABLE INVESTMENT PER CHAN [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR [E*fcrr]	DROP WIRE ADJUSTMENT PER PAIR [E*fcrr]	WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]
SEGMENT LENGTH IN FEET	TYPE OF CABLE	RELATIVE MIX OF TYPE OF CA. PLANT	EFFECTIVE LENGTH SUBSET BY TYPE OF PLANT	MELDED INVEST. PER UNIT FOOT	CABLE COMPONENTS (NOTE 5)		(NOTE 4)		(NOTE 5)																		
					CABLE INVESTMENT PER CHAN [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR [E*fcrr]	DROP WIRE ADJUSTMENT PER PAIR [E*fcrr]	WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]																		
[A]		[B]	[C=A*B*f]	[D]																							
0	AERIAL	0.810000	0.00	0.022600	\$ 0.00		\$ 0.00																				
CO TO RT LINK																											
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 ADJUST. / LOAD FACTORS TO BURIED PFI ADJUST. / LOAD FACTORS TO UGD PFI DLC EQUIPMENT INVEST. (NOTE 2): INT DLC EQUIP INVEST. (CU COMUX) = intdlcco_ \$ 0.00 \$ 0.00 INT DLC EQUIP INVEST. (CU RTMUX) = intdlcrt_ \$ 0.00 \$ 0.00 UNIV DLC EQUIP INVEST. (CU COMUX) = unvdlcco_ \$ 24.29 \$ 181.35 UNIV DLC EQUIP INVEST. (CU RTMUX) = unvdlcrt_ \$ 103.93 \$ 238.42 DLC EQUIP INVEST. (CU LINE) = dlccool_ \$ 0.00 \$ 0.00 CONDUIT INVEST. FOR DLC CEV FACILITIES = conpgmvst \$ 0.00 OTHER INVESTMENT POLE LINE FACTOR (PLF) = 0.0000 0.2530 POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) = \$ 0.00 UGD CONDUIT FACTOR (UCF) = 0.0000 0.5165 CONDUIT INVESTMENT (UTIL UNDGRD INVEST x UCF) = \$ 0.00 EQUIPMENT INVESTMENT LOADINGS INVST. PER CHAN. FOR DLC TERM (co conn) = \$ 0.00 MISC. COM. EQPT. & POWER FACTOR FOR DLC (rem) = 0.1127 MISC. COM. EQPT. & POWER FACTOR FOR DLC (c.o.) = 0.1127 MCE&P INVST. (CU REMMUX x MCEP) = \$ 38.58 MCE&P INVST. (CDLCMUX x MCEP) = \$ 23.18 MCE&P INVST. (CO CONN x MCEP) = \$ 0.00 OTHER INVESTMENT LAND FACTOR FOR DLC (LANDf rem) = 0.0058 LAND FACTOR FOR DLC (LANDf c.o.) = 0.0058 LAND INVST. (CU COMUX + MCEP) x LANDf = \$ 3.41 LAND INVST. ((CO CONN + MCEP) x LANDf) = \$ 0.00 BUILDING FACTOR FOR DLC (BLDGf rem) = 0.1316 BUILDING FACTOR FOR DLC (BLDGf c.o.) = 0.1316 BLDG INVST. (CDLCMUX + MCEP) x BLDGf = \$ 80.24 BLDG INVST. (CO CONN + MCEP) x BLDGf = \$ 0.00 CONFIDENTIAL LOOP TOPOLOGY NOTICE MUST BE GIVEN PRIOR TO RELEASE PROVIDED AVERAGE NUMBER OF HUBS ADDITIONAL LENGTH OF RING OSP REQUIRED 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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PLANT ITEM		PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL UTILIZATION SHARED DIRECT RESOURCES RESOURCES [H=F*G] [H'=F*G]		ADMIN. UTIL LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL UTILIZATION SHARED DIRECT RESOURCES RESOURCES [K=H/J] [K'=H'/J]	
LAND		20C	F	SHARED	3.41	0			1.0000		
BUILDING		10C	F	SHARED	80.37	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	166.80	0			0.7000		
CO EQPT - P GAIN CHAN		257C	V	DIRECT	419.77	0			0.7000		
CO EQPT - FO MUX TERM		857C	F	DIRECT		0			1.0000		
CO EQPT - FO MUX CHAN		857C	F	DIRECT		0			1.0000		
CO EQPT - ESS - ANALOG		77C	V	DIRECT	0.00	0			1.0000		
CO EQPT - ESS - DIGITAL		377C	V	DIRECT	0.00	0			1.0000		
AERIAL CABLE (FIBER)		822C	F	DIRECT		0			0.3300		
BURIED CABLE (FIBER)		845C	F	DIRECT		0			0.3300		
UNDERGROUND (FO) CA.		85C	F	DIRECT		0			0.3300		
CONNECTORS		57C	V	DIRECT		0			1.0000		
MISC. COM EQP & PWR		57C	V	SHARED	23.18	0			1.0000		
POLE LINE		1C	F	DIRECT	0.00	0			1.0000		
CONDUIT		4C	F	DIRECT	0.00	0			1.0000		
TOTALS											

LCAT Release : 1.0.4
Issue Date : 8/31/95
STUDY YR : 1998
TEST CASE : 1
DATE : 28-Jan-97
TIME : 12:51 PM

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=====

\$ 0	\$ 0
=====	
\$ 0	
FEED11Y	

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 CALC PLANT - WORKSHEET 1 Sheet 3 of 3	LOOP COST ANALYSIS TOOL PROSPECTIVE AND ANNUAL COSTS WORKSHEET CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY FACILITY TYPE: COPPER DIG LOOP CXR CIRCUIT DESIGN: 1) C SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE	Bellcore (R) LCAT Release: 1.0.4 Issue Date: 6/31/95 STUDY YR: 1996 TEST CASE: 1 DATE: 26-Jan-97 TIME: 12:51 PM
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PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [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

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FEED1MRC

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FOOTNOTES

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION.

AN INVESTMENT—NET STUDY NEGATES ANNUAL COST COMPLICATION;
HOWEVER, THIS COLUMN IS PRESENTED FOR CONSISTENCY OF FORMAT ONLY.

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.		Issue Date: 6/31/95	
CITY / AREA: CINCINNATI		FACILITY SEGMENT: PRIMARY FEEDER SEGMENT		STUDY YR: 1996	
STATE / PROV: OHIO		CIRCUIT DESIGN: 1 COPPER DIG LOOP CDR		TEST CASE: 1	
		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE		DATE: 28-Jan-97	
				TIME: 12:51 PM	
logic-14a		1996 UNIT MONTHLY RECURRING COST BY ACCOUNT		(SEE NOTE)	
BAND		0		TOTAL	
PLANT MIX		1.0000		AVG. WEIGHTED	
ACCT AVG				INVESTMENT	
CODE LGTH		5608			
SEGLGTH		0		0	
SHARED RESOURCES					
1	LAND	20C			\$ 0.00
2	BUILDING	10C			\$ 0.00
3	BLDG ENTRANCE CABLE	12C			\$ 0.00
4	INTRABLDG CABLE	52C			\$ 0.00
5	AERIAL CABLE (COPPER)	22C			\$ 0.00
6	BURIED CABLE (COPPER)	45C			\$ 0.00
7	UNDERGROUND (CU) CA.	5C			\$ 0.00
8	CO EQPT - P GAIN TERM	257C			\$ 0.00
9	CO EQPT - P GAIN CHAN	257C			\$ 0.00
10	CO EQPT - FO MUX TERM	857C			\$ 0.00
11	CO EQPT - FO MUX CHAN	857C			\$ 0.00
12	CO EQPT - ANALOG SW	77C			\$ 0.00
13	CO EQPT - DIGITAL SW	377C			\$ 0.00
14	AERIAL CABLE (FIBER)	822C			\$ 0.00
15	BURIED CABLE (FIBER)	845C			\$ 0.00
16	UNDERGROUND (FO) CA.	85C			\$ 0.00
17	CONNECTORS	57C			\$ 0.00
18	MISC. COM EQP. & PWR	57C			\$ 0.00
19	POLE LINE	1C			\$ 0.00
20	CONDUIT	4C			\$ 0.00
DIRECT RESOURCES					
21	LAND	20C			\$ 0.00
22	BUILDING	10C			\$ 0.00
23	BLDG ENTRANCE CABLE	12C			\$ 0.00
24	INTRABLDG CABLE	52C			\$ 0.00
25	AERIAL CABLE (COPPER)	22C			\$ 0.00
26	BURIED CABLE (COPPER)	45C			\$ 0.00
27	UNDERGROUND (CU) CA.	5C			\$ 0.00
28	CO EQPT - P GAIN TERM	257C			\$ 0.00
29	CO EQPT - P GAIN CHAN	257C			\$ 0.00
30	CO EQPT - FO MUX TERM	857C			\$ 0.00
31	CO EQPT - FO MUX CHAN	857C			\$ 0.00
32	CO EQPT - ANALOG SW	77C			\$ 0.00
33	CO EQPT - DIGITAL SW	377C			\$ 0.00
34	AERIAL CABLE (FIBER)	822C			\$ 0.00
35	BURIED CABLE (FIBER)	845C			\$ 0.00
36	UNDERGROUND (FO) CA.	85C			\$ 0.00
37	CONNECTORS	57C			\$ 0.00
38	MISC. COM EQP. & PWR	57C			\$ 0.00
39	POLE LINE	1C			\$ 0.00
40	CONDUIT	4C			\$ 0.00
41	SPAN SUMMARY	0.00	0.00	0.00	0.00
42	AVG. WTD. SPAN SUMMARY	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

LAST UPDATE

28-Jan-97

12:33

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) PUBLIC COIN PHONE 0 - 18000 FEET INTRA

CURRENT TEST PLAN :

CURRENT JOB ID: ~~CONFIDENTIAL~~
BASIS: NETWORK TEST CASE 1
FR / DS: FLAT RATE #BANDS BE GIVEN
SVC LEVEL: NARROWBAND #CKTS: 1
CST METHOD: PER MINUTE INV LEVEL ANN COST

PROVIDED TO PUCO
....your run is finished

HOME

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LOOP COST ANALYSIS TOOL										Bellcore (R)	
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 - PUBLIC SERVICE LEVEL: NARBAND										LAST RUN: 28-Jan-97	
										TIME: 12:52	
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 stdr_tbl: 4513 cur_starlgh 0 cur_pnlgth from bw_mix: f = 1979.04 wtdeqvmn EFFECTIVE LENGTH MLD CABLE SUBSET DESIGN INVEST. PER OF PLANT PAIR FOOT [E=C*D] [U=DTC] [E*factr] [U*DTCT]											
SEGMENT LENGTH IN FEET TYPE OF CABLE PLANT RELATIVE MIX OF TYPE OF CA. PLANT [B] [C=A*B/f] [D]											
fo3pri_seglnth [A] 0 AERIAL 0.810000 0.00 0.193000											
CO TO HUB LINK ON BURIED 0.000000 0.00 0.000000 0.00 0.00											
FIBER OPTIC FACILITIES UNDERGRND 0.190000 0.00 0.222900 0.00 0.00											
1.000000											
EQUIPMENT INVESTMENT LOADINGS											
OUTSIDE PLANT LOADINGS (NOTE 5): ADJUST. / LOAD FACTORS TO AERIAL PFI NA 0.0000 ADJUST. / LOAD FACTORS TO BURIED PFI NA 0.0000 ADJUST. / LOAD FACTORS TO UGD PFI NA 0.0000 DLC EQUIPMENT INVEST. (NOTE 2): INT DLC EQUIP INVEST. (CU COMUX) = intdlcco \$ 0.00 \$ 0.00 INT DLC EQUIP INVEST. (CU RTMUX) = intdlert \$ 0.00 \$ 0.00 UNIV DLC EQUIP INVEST. (CU COMUX) = unvdlcco \$ 24.29 \$ 181.35 UNIV DLC EQUIP INVEST. (CU RTMUX) = unvdlert \$ 103.93 \$ 238.42 FIBER MUX EQUIP. INV. (FO COMUX) = hubmxcco \$ 2.40 \$ 36.99 FIBER MUX EQUIP. INV. (FO RTMUX) = hubmxort \$ 2.40 \$ 36.99											
OTHER INVESTMENT POLE LINE FACTOR (PLF) = 0.0000 0.1965 POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) = \$ 0.00 UNDERGROUND CONDUIT FACTOR (PLF) = 0.0000 0.5232 CONDUIT INVESTMENT (UTIL UNDERGRND INVEST x UCF) = \$ 0.00											
LOOP TOPOLOGY AVERAGE NUMBER OF HUBS NA ADDITIONAL LENGTH OF RING OSP REQUIRED 0.0000 MIX OF CENT. OFC. ANALOG INTFC 1.0000 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.											

LOOP COST ANALYSIS TOOL										Bellcore TM	
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: 1996	
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 3 - PUBLISERVICE LEVEL: NARBAND										LAST RUN: 28-Jan-97	
										TIME: 12:52	
PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT COST EQUATION	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL UTILIZATION SHARED RESOURCES	1996 UNIT LOOP INVESTMENT EXCL UTILIZATION DIRECT RESOURCES	ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL UTILIZATION SHARED RESOURCES	1996 UNIT LOOP INVESTMENT INCL UTILIZATION DIRECT RESOURCES	
				[F]	[G]	[H=F*G]	[H'=F*G]	utilstart	[J]	[K=H/J] [K'=H'/J]	
LAND	20C	F	SHARED	3.91	0			1.0000			
BUILDING	10C	F	SHARED	91.78	0			1.0000			
BLDG ENTRANCE CABLE	12C	---	---					1.0000			
INTRABLDG CABLE	52C	---	---					0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT					0.6000			
BURIED CABLE (COPPER)	45C	V	DIRECT					0.6000			
UNDERGROUND (CU) CA	5C	V	DIRECT					0.6000			
CO EQPT - LOW CAP TERM	257C	F	DIRECT	128.22	0			0.7000			
CO EQPT - LOW CAP CHAN	257C	V	DIRECT	419.77	0			0.7000			
CO EQPT - HI CAP TERM	857C	F	DIRECT	47.82	0			1.0000			
CO EQPT - HI CAP CHAN	857C	F	DIRECT	73.98	0			1.0000			
CO EQPT - ANALOG SW	77C	V	DIRECT	0.00	0			1.0000			
CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00	0			1.0000			
AERIAL CABLE (FIBER)	822C	F	DIRECT	0.00	0			0.3300			
BURIED CABLE (FIBER)	845C	F	DIRECT	0.00	0			0.3300			
UNDERGROUND (FO) CA	85C	F	DIRECT	0.00	0			0.3300			
CONNECTORS	57C	V	DIRECT	0.00	0			1.0000			
MISC. COM EQP & PWR	57C	V	SHARED	27.61	0			1.0000			
POLE LINE	1C	F	DIRECT	0.00	0			1.0000			
CONDUIT	4C	F	DIRECT	0.00	0			1.0000			
TOTALS											
FOOTNOTES											
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.											
NOTE 2: P GAIN CO EQPT = PG EQ INV + HUBMUX INV + MCE&P INV.											
NOTE 3: ESS CO EQPT = C.O. CONN + MCE&P INV											
NOTE 3: CABLE INVESTMENT IS THE SUM OF THE CABLE INV [H] + DRYER INV [J] + DROP WIRE ADJUST [K]											

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RATES PLAY

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LOOP COST ANALYSIS TOOL

Bellcore (R)

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

SWITCHED SERVICES

LCAT Rel : 1.0.4
Issued : 07/31/95
STUDY YR: 1996
TEST CASE : 1
LAST UPDATE : 29-Oct-96
TIME : 14:29

PLANT ITEM	LCAT CODE	PLANT CODE	WHEN BANDWIDTH DELIVERY IS							
			NARROWBAND		WIDEBAND		BROADBAND			
			CATEGORY	SENS. INDEX	CATEGORY	SENS. INDEX	CATEGORY	SENS. INDEX	CATEGORY	SENS. INDEX
LAND	LAND	20C	F	SHARED	F	SHARED	F	SHARED	F	SHARED
BUILDING	BLDG	10C	F	SHARED	F	SHARED	F	SHARED	F	SHARED
BLDG ENTRANCE CABLE	BEC	12C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
INTRABLDG CABLE	IBC	52C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
AERIAL CABLE (COPPER) ①	ACU	22C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
BURIED CABLE (COPPER) ①	BCU	45C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
UNDERGROUND (CU) CA. ①	UCU	5C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - LOW CAP TERM	DLCT	257C	F	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - LOW CAP CHAN	DLCC	257C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - HI CAP TERM	MUXT	857C	F	DIRECT	F	DIRECT	F	DIRECT	F	DIRECT
CO EQPT - HI CAP CHAN	MUXC	857C	F	DIRECT	F	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - ANALOG SW	ACOE	77C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
CO EQPT - DIGITAL SW	DCOE	377C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
AERIAL CABLE (FIBER)	AFO	822C	F	DIRECT	F	DIRECT	F	DIRECT	F	DIRECT
BURIED CABLE (FIBER)	BFO	845C	F	DIRECT	F	DIRECT	F	DIRECT	F	DIRECT
UNDERGROUND (FO) CA.	UFO	85C	F	DIRECT	F	DIRECT	F	DIRECT	F	DIRECT
CONNECTORS	CONN	67C	V	DIRECT	V	DIRECT	V	DIRECT	V	DIRECT
MISC. COM EQP & PWR	MCEP	57C	V	SHARED	V	SHARED	V	SHARED	V	SHARED
POLE LINE	POLE	19C	F	DIRECT	F	DIRECT	F	DIRECT	F	DIRECT
CONDUIT	CON	14C	F	DIRECT	F	DIRECT	F	DIRECT	F	DIRECT

FOOTNOTES

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

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C:\123R24\LCATR043\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 *****

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LOOP COST ANALYSIS TOOL

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

[SWITCHED] SERVICES

LCAT Rel: 1.0.4
Issued: 07/31/95
STUDY YR: 1996
TEST CASE: 1
LAST UPDATE: 29-Oct-96
TIME: 14:29

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 (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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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 THE INPUT DATA CATALOG NAMES *****
***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****

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CA123R24\LCATR043\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore [®]	
INPUT - STUDY SETUP		GENERAL STUDY REQUIREMENTS		TODAY IS: 28-Jan-97	
LCAT Rel.: 1.0.4				LAST UPDATE:	
Issue Date: 3/31/95				29-Oct-96 02:30 PM	
STUDY NAME		1996 BAND 3 (OHIO ONLY) PUBLIC COIN PHONE 0 - 18000 FEET INTRASTATE			
COMMENTS					
SERVICE CLASS		BAND 3 - PUBLIC COIN PHON		STUDY BASIS	
				☒ NETWORK	
				☐ INDIVIDUAL	
COMPANY		CINCINNATI BELL TEL		INVESTMENT YEAR	
				1996	
STATE / PROVINCE		OHIO		LOOP CHAR. STUDY YEAR	
				1996	
CITY / AREA		CINCINNATI		STUDY YEAR	
				1996	
DENSITY CELL MIX		0 100 0 0		TEST CASE	
		VH HI MED LO			
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:\23R24\LCATR043\CRITERIA
INPUT - STUDY SETUP
Sheet 1 of 2

HELP SCREEN

Bellcore (R)

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
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C:\123R24\LCATR043\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 - PUBLIC COIN PHONE		LCAT Rel. 1.0.4 ISSUED: 3/31/95 STUDY YEAR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 02:30 PM
SELECTED QUESTIONS				
CONCERNING - SERVICE SPEC.	1. Is this Study for a NEW Installation or an ADDITION ? 2. Is this Study for a SWITCHED or PRIVATE LINE Service ? 3. Is this Study for Narrow, Wide, or Broadband Services 4. Is this Study for 2 Wire or 4 Wire Transmission ?			
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 ?			
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.			

VALID RESPONSE

SET	
N or A	NEW
S or P	SWITCHED
N, W or B	NARBAND
2 or 4	2

0 → 100	100
0 → 100	0
0 → 100	
e.g., 12000	18000 Feet

FLAT RATE	
0 → 5	
1 or M	
SPOT INCR	1
RATES PLAN	

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HELP SCREEN

Bellcore[®]

INPUT - STUDY SETUP

LCAT Rel. 1.0.4
ISSUED: 3/31/85

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

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

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C:\123R24\LCATR043\DESIGN		LOOP COST ANALYSIS TOOL		Bellicore	
INPUT - LOOP DESIGN Sheet 1 / 1		CIRCUIT DESIGN REQUIREMENTS CHARACTERISTICS FOR		LCAT Rel: 1.0.4 Issued: 07/31/95	
COMPANY: CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996		STUDY YR: 1996	
CITY / AREA: CINCINNATI		LOOP STUDY YEAR: 1996		TEST CASE: 1	
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PHON		LAST UPDATE: 29-Oct-96 TIME: 14:31	

CIRCUIT DESIGN

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

**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:

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 DESIGNS:

Weighting of Design #1	1.0000
Weighting of Design #2	NA 0.0000
Weighting of Design #3	1.0000
1.0000 ChkSum	

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

C:\123R24\LCATR043\DESIGN
 INPUT - LOOP_DESIGN
 Sheet 1 of 1

HELP SCREEN

Bellcore

LCAT Rel :1.0.4
 Issued :07/31/95

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

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

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

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

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

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C:\123R24\LCATR043\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore	
TABLE - SPAN_INV SHEET 1 / 4		LOOP FACILITY INPUT FIBER CABLE DATA		LCAT Rel : 1.04	
COMPANY: CINCINNATI BELL TEL.		FOR		Issued : 07/31/95	
CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1996		STUDY YR : 1996	
STATE / PROV: OHIO		LOOP STUDY YEAR: 1996		TEST CASE : 1	
		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE		LAST UPDATE : 29-Oct-96	
				TIME : 14:36	
FIBER CABLE INVESTMENT AND CHARACTERISTICS					
CABLE TYPE MIX (DISTRIBUTION TO CODE) :		FOR FEEDER SEGMENTS		FOR DISTRIBUTION SEGMENTS	
Proportion of FIBER cable installations that are					
AERIAL		0.8100		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	
		(to Fiber Hub)			
FEEDER - EXTENSION SEGMENT AND DISTRIBUTION 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)		(Remote Terminal to Service Point)	

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C:\123R24\LCATR043\FACILITY
TABLE - SPAN_INV
SHEET 1 / 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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C:\123R24\LCATRO43\FACILITY		LOOP COST ANALYSIS TOOL				Bellcore (R)
TABLE - SPAN_INV SHEET 2 / 4		LOOP FACILITY INPUT COPPER CABLE DATA FOR				LCAT Rel: 1.04 Issued: 07/31/95
COMPANY: CINCINNATI BELL TEL		INVESTMENT YEAR: 1996				STUDY YR: 1996
CITY / AREA: CINCINNATI		LOOP STUDY YEAR: 1996				TEST CASE: 1
STATE/PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE				LAST UPDATE: 29-Oct-96 TIME: 14:35
COPPER CABLE CHARACTERISTICS AND INVESTMENTS						
Cable Gauge Mix :		FEEDER	DISTRIBUTION	Unit Investment per Cable Pair Foot		
	GAUGE	SEGMENT	SEGMENT	By Cable Type, By Cable Gauge :		
The Proportion of	26 GA.	0.1500	0.1500	Update Cable Sheath Prices [Required with INDIVIDUAL Mode]		
Copper Cable that is	24 GA.	0.8500	0.8500	on the FULL SET Input SHEET ? (Y / N) N		
	22 GA.	0.0000	0.0000	If not, Update		
Cable Type Mix, By Gauge :				GAUGE	FEEDER	DISTRIBUTION
					SEGMENT	SEGMENT
The Proportion of				Average Unit		
Copper Cable that is	26 GA.	AERIAL	0.8100	0.5800		
		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		

Investment for
Copper Cable
Installed as :

26 GA.	AERIAL	\$ 0.0113	\$ 0.0418
	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.

C:\123R24\LCATR043\FACILITY		LOOP COST ANALYSIS TOOL										Bellcore
TABLE - SPAN INV SHEET 2A / 4 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		LOOP FACILITY INPUT COPPER CABLE DATA - BY CABLE SHEATH DETAIL FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE								LCAT R# : 1.0.4 Issued : 07/31/96 STUDY YR : 1996 TEST CASE : 1 LAST UPDATE : 29-Oct-96 TIME : 14:36		
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\LCATR043\FACILITY
TABLE - SPAN_INV
SHEET 2 / 4

HELP SCREEN

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LCAT Rel: 1.0.4
Issued: 07/31/95

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C:\123R24\LCATR043\FACILITY.WK1

LOOP COST ANALYSIS TOOL

BellcoreTMSPAN INV - WORKSHEET
Sheet 1 / 3COPPER CABLE DISTRIBUTIONS MELDING
WORKSHEET ALCAT R01: 1.0.4
Issue Date: 07/31/95COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIOFACILITY TYPE: COPPER CABLE
DESIGN TYPE: DISTRIBUTION SEGMENTSTUDY YR: 1996
TEST CASE: 1996
DATE: 1
LAST UPDATE: 29-Oct-96
TIME: 14:36

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...dst)	MELDED CABLE INVESTMENT PER PAIR FOOT 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	0.083000	\$ 0.010320
UNDGRND @ 26 GA.	0.000000	\$ 0.000000	0.1500	0.000000	\$ 0.000000
AERIAL @ 24 GA.	0.580000	\$ 0.041800	0.8500	0.000000	\$ 0.035530
BURIED @ 24 GA.	0.420000	\$ 0.068800	0.8500	0.000000	\$ 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 :	[F=sum(D*type)]	
AERIAL	0.580000	
BURIED	0.420000	
UNDERGRND	0.000000	

Check = 1.000000

PAIR / FOOT INVESTMENT RANGE NAME	MELDED GAUGES	PAIR / FOOT INVESTMENT RENORMALIZED AERIAL / BURIED	MELDED GAUGES
[G=sum(E*type)]		[H=F*TYPE / sum(F*TYPE)]	
\$ 0.041800		\$ 0.580000	
\$ 0.068800		\$ 0.420000	
\$ 0.000000		-	

Check = 1.000000

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C:\123R24\LCATR043\FACILITY.WK1		LOOP COST ANALYSIS TOOL			Bellcore TM																																																																			
SPAN INV - WORKSHEET Sheet 2 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET A FOR			LCAT R#1: 1.0.4 Issue Date: 07/31/95																																																																			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE/PROV: OHIO		FACILITY TYPE: COPPER CABLE DESIGN TYPE: SUBFEEDER SEGMENT			STUDY YR: 1996 TEST CASE: 1996 DATE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:36																																																																			
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C:\123R24\LCATR043\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore [®]
TABLE - SPAN_INV SHEET 3 / 4		LOOP FACILITY INPUT COPPER PAIRGAIN CABLE DATA FOR		LCAT Rel : 1.0.4 Issued : 07/31/95
COMPANY: CINCINNATI BELL TEL		INVESTMENT YEAR : 1996		STUDY YR : 1996
CITY / AREA: CINCINNATI		LOOP STUDY YEAR : 1998		TEST CASE : 1
STATE/PROV: OHIO		SERVICE CLASS : BAND 3 - PUBLIC COIN PHONE		LAST UPDATE : 29-Oct-98 TIME : 14:38
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: ● The value represents the extent to which copper pairs are gained. For example, a 96 Channel System uses 4 Transmit Pairs, 4 Receive Pairs, 2 Protection Pairs and 2 Support Pairs (Test and Order Wire). Then the Derived Pairs would be the Sum of the Pairs divided by the Working Channels Or $(10 + 2) / 96 = 0.125$. When applied to segment length it becomes the Effective Length per Pair.				

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TABLE - SPAN_INV
SHEET 3/4

HELP SCREEN

Bellcore (R)
LCAT Rel : 07/31/95
Issued : 07/31/95

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

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TABLE - SPAN INV		LOOP FACILITY INPUT		LCAT Rel: 1.0.4	
SHEET 4 / 4		SERVICE ACCESS SEGMENT		Issued: 07/31/95	
COM. 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 - PUBLIC COIN PHONE		LAST UPDATE: 29-Oct-95	
				TIME: 14:35	

SERVICE ACCESS CHARACTERISTICS AND INVESTMENTS**AVERAGE UNIT MIX :****AVERAGE UNIT INVESTMENT :**

The Average Number of Terminals in the Service Access Segment of a Loop -

Proportion of Loops that use.....

Aerial	0.00
Buried	0.00

Per Unit Installation.....

Aerial Termination	0
Buried Termination	0

The Average Drop Wire & Building Entrance Cable Installation -

Proportion of Loops that use..

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 Length for DW Installation? (Y/N)

N

Per Unit Installation.....

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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\\LCATR043\FACILITY
SPAN_INV
74

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\LCATR043\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 - PUBLIC COIN PHONE				LAST UPDATE: 29-Oct-96 14:38	
EQUIPMENT INVESTMENT (Including Engineer, Furnish, & Install Costs)							
		CENTRAL OFFICE			REMOTE LOCATION		
		LINE	CHANNEL	TERMINAL	CHANNEL	TERMINAL	
AIR DRYERS INVESTMENT:							
For an AERIAL Installed Cable Pair				\$ 0.00			
For a BURIED Installed Cable Pair				\$ 0.00			
For an UNDERGROUND Installed Cable Pair				\$ 0.00			
CENTRAL OFFICE TERMINATION INVESTMENT:							
For each cable pair associated with twisted pair copper cable				\$ 0.00			
For each per cable pair associated with digital loop carrier technology				\$ 0.00			
COPPER LOOP CARRIER UNIT CIRCUIT INVESTMENT by SERVICE LEVEL:							
For each line repeater for one copper digroup (not svc lev)			\$ 0.00				
For an Office Repeater Bay for a T1 Line			\$ 0.00				
For a Universal DLC Equipment Arrangement			\$ 0.00	\$ 181.35	\$ 24.29	\$ 238.42	\$ 103.93
For an Integrated DLC Equipment Arrangement			\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL:							
1. For a Hub with nonFiber Extensions or nonHub Arrangement			\$ 36.99		\$ 36.99	\$ 2.40	
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	\$ 0.00
4. For Fiber Ring Hub Arrangements (Extensions)					\$ 0.00	\$ 0.00	\$ 0.00
CEV HOUSING per CIRCUIT by SERVICE LEVEL:							
For CEV's used as fiber hubs for FO Multiplexer equipment						\$ 0.00	
For CEV's used as remote terminals for CDLC equipment						\$ 0.00	
[Unit Investment denotes average weighted unit E.F.I Investment at DS0, DS1, or DS3 service equiv.]							

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C:\123R24\LCATR043\INVEST.WK1

TABLE - EQUIP_INV

HELP INFORMATION

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

LCAT Commands Description

This Command will allow the User -

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

Line Items Description

This Equipment Item Represents -

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

See Circuit Designs :

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

NOTE: THE DATA VALUES FOR THESE ITEMS SHOULD ALWAYS REPRESENT
 THE CIRCUIT EQUIVALENTS FOR THE BANDWIDTH DELIVERED BY 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\LCATR043\LOADING		LOOP COST ANALYSIS TOOL		Belcore (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 - PUBLIC COIN P1		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:39
PLANT UTILIZATION FACTORS:				
Land	1.0000	ALL Non-Traffic Sensitive Equipment		1.0000
Building	1.0000	ALL Digital Loop Carrier Equip., or		0.7000
ALL Copper Cables, or		CO DLC Channel Unit		0.7000
Copper Feeder Cable	0.6000	REM DLC Channel Unit		0.7000
Copper Distribution Cable	0.3500	CO DLC Multiplex System		0.7000
Copper Entrance Cable	1.0000	REM DLC Multiplex System		0.7000
Copper Building Cable	0.3500	CO Digital Signal Crossconnect Bay		0.7000
Copper Building Terminal	0.3500	REM Digital Signal Crossconnect Bay		0.7000
ALL Fiber Cables, or		ALL Fiber Optic Multiplex Equip., or		1.0000
Fiber Feeder Cable	0.3300	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		1.0000
Conduit	1.0000	PC Hut		1.0000
		Comm Dev. Cab.		1.0000

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TABLE - ADDNL_INV
Sheet 1 of 2

HELP SCREEN**Belcore** (R)

LCAT Rel : 1.0.4
Issued : 3/31/95

NOTE :

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

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PRIOR TO REFERENCE TO PUBLIC

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

PRESS < Enter > KEY TO RETURN TO THE MAIN MENU

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C:\123R24\LCATR043\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 - PUBLIC COIN PHONE		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:39																		
SEGMENT DISTRIBUTION FEEDER ② use <u>DEFAULT</u>		DROP WIRE (DW) INVESTMENT ADJUSTMENT: The Cable PFI is being Adjusted for DW ? NO																				
POLE LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Copper Cable Pole Investment Factor</td> <td style="text-align: center;">0.2530</td> <td style="text-align: center;">0.2530</td> </tr> <tr> <td>Copper Cable Pole Unit Investment</td> <td></td> <td></td> </tr> </table>		Copper Cable Pole Investment Factor	0.2530	0.2530	Copper Cable Pole Unit Investment			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Aerial Cable</td> <td></td> <td></td> </tr> <tr> <td>Buried Cable</td> <td></td> <td></td> </tr> <tr> <td>Underground Cable</td> <td></td> <td></td> </tr> </table>			Aerial Cable			Buried Cable			Underground Cable					
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Fiber Cable Pole Investment Factor	0.1965	0.1965																				
Fiber Cable Pole Unit Investment																						
CONDUIT LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Copper Cable Conduit Investment Factor</td> <td style="text-align: center;">0.5165</td> <td style="text-align: center;">0.5165</td> </tr> <tr> <td>Copper Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> </table>		Copper Cable Conduit Investment Factor	0.5165	0.5165	Copper Cable Conduit Unit Investment			LAND LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or <u>ALL</u> ①</td> <td style="text-align: center;">0.0056</td> <td style="text-align: center;">0.0056</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.0056</td> <td style="text-align: center;">0.0056</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.0056</td> <td style="text-align: center;">0.0056</td> </tr> </table>			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 Conduit Investment Factor	0.5165	0.5165																				
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Fiber Optic Mux	0.1316	0.1316																				
MINOR EQUIPMENT POWER LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or <u>ALL</u> ①</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> </table>		Other or <u>ALL</u> ①	0.1127	0.1127	Digital Loop Carrier	0.1127	0.1127	Fiber Optic Mux	0.1127	0.1127	MINOR EQUIPMENT POWER LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Other or <u>ALL</u> ①</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> </table>			Other or <u>ALL</u> ①	0.1127	0.1127	Digital Loop Carrier	0.1127	0.1127	Fiber Optic Mux	0.1127	0.1127
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TABLE - ADDNL_INV
Sheet 2 of 2

HELP SCREEN

Bellcore (R)

LCAT Rel : 1.0.4

Issued : 3/31/95

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

NOTES

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

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C:\123R24\LCATR043\SPAN		LOOP COST ANALYSIS TOOL		Belcore										
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 - PUBLIC COIN PHONE		LCAT Rel: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:42										
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		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">ACTION SEGMENT</th> </tr> </thead> <tbody> <tr> <td>PRIMARY</td> <td>STAR</td> </tr> <tr> <td>PRIMARY</td> <td>NA</td> </tr> <tr> <td>DISTRIBUTION</td> <td>STAR</td> </tr> </tbody> </table>			ACTION SEGMENT		PRIMARY	STAR	PRIMARY	NA	DISTRIBUTION	STAR		
ACTION SEGMENT														
PRIMARY	STAR													
PRIMARY	NA													
DISTRIBUTION	STAR													
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 SPAN ⑤ Average Distance From the Fiber Hub to the Remote Terminal		<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>TOTAL LOOP</td> <td>5608.0</td> </tr> <tr> <td>DISTRIBUTION</td> <td>1096.0</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> </tbody> </table>			TOTAL LOOP	5608.0	DISTRIBUTION	1096.0	SUB-PRIMARY	300.0	PRIMARY	4213.0	PRIMARY-EXTENSION	
TOTAL LOOP	5608.0													
DISTRIBUTION	1096.0													
SUB-PRIMARY	300.0													
PRIMARY	4213.0													
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 5608.0		LAST 1.0000 1.0000 Hint												

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C:\123R24\LCATR043\SPAN		LOOP COST ANALYSIS TOOL		Belcore [®]
INPUT - PLANT_CHAR. Sheet 1 / 1		LOOP FACILITY INPUT LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS FOR		LCAT Rel : 1.0.4 Issued : 07/31/95 STUDY YR : 1996 TEST CASE : 1 LAST UPDATE : 29-Oct-96 TIME : 14:42
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		INVESTMENT YEAR : 1996 LOOP STUDY YEAR : 1996 SERVICE CLASS : BAND 3 - PUBLIC COIN PHONE		
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY				
The diagram illustrates a network loop structure. At the top, a horizontal line represents the 'LOOP LENGTH' of 5008 FEET. Below this, a series of components are connected in a sequence: NETWORK INTERFACE, SERVICE ACCESS POINT (containing a DROP), SERVING AREA INTERFACE (containing a DISTRIBUTION), FIBER DISTRIBUTION, REMOTE TERMINAL (LOOP MULTIPLEX INTERFACE), REMOTE NODE (LOOP TRANSFER), FEEDER, and END OFFICE. Distances between key points are marked: 1095 FEET between the SERVICE ACCESS POINT and SERVING AREA INTERFACE, and 4513 FEET between the SERVING AREA INTERFACE and the FEEDER. A large diagonal watermark reads 'CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED PUCO'. Other labels include 'EXTENSION', 'PRIMARY', and 'HOB'.				

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C:\123R24\LCAT\043\SPAN		LOOP COST ANALYSIS TOOL		Belcore TM
INPUT - PLANT_CHAR. Sheet 1 of 2		LOOP FACILITY INPUT HELP SCREEN		LCAT Rel : 1.0.4 Issued : 07/31/95
AVERAGE NETWORK STUDY -				
This mode of LCAT is used where the cost study may be broad in scope and lack sufficient detail data to use the Loop OSP cost calculators on Sheets 2, 3, and 4. Instead, it relies on table data from the FACILITY file, representing jurisdictional average value mixes or proportions. Input for these values is placed on Sheet 1.				
INDIVIDUAL CIRCUIT STUDY -				
This mode of LCAT is used to cost study circuit specifics on an Individual Circuit Basis for Request For Proposals, Special Constructions, and CENTREX-like Services. Data input is usually actual per the circuit configuration's span by span requirements as detailed by Product Management. This mode will require the use of the Loop OSP calculators on Sheets 2, 3, and 4.				
DATA SAMPLE NETWORK STUDY -				
This mode of LCAT functions well with the Loop OSP cost calculators on Sheets 2, 3, and 4. The data samples are inputted on the sheets cumulatively and cost calculated directly. Then the weightings formulae are applied to create an average weighted Loop cost per pair foot.				
BANDWIDTH AVERAGING -				
This feature of LCAT permits study level weighting of fiber multiplexer bandwidth transport. The range of multiplexers goes from 1.5 Mbps through 1.7 Gbps and designating the mix of usage develops a more precise unit investment to the feeder calculations.				
***** THE INPUT DATA NAMES IN RED CROSS-REFERENCE TO THEIR DATA CATALOG NAMES ***** ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****				
PRESS "ENTER" TO RETURN TO THE MAIN MENU				

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C:\123R24\LCATR043\SPAN		LOOP COST ANALYSIS TOOL		Bellcore (R)	
INPUT - PLANT_CHAR. Sheet 2 of 2		HELP SCREEN		LCAT Rev: 1.0.4 Issued: 07/31/95	
COST DETAILS	When the Loop Study is specified as <u>DISTANCE SENSITIVE</u>, the data required is inputted as part of STUDY SETUP input and the ROUTE TO AIR RATIO [B] on WORKSHEET F and the resultant Rate Band delimiters are copied into the RATE BANDS field on SCREEN 1 by the System. The SPAN LENGTHS data is input by the User. When the Loop Study is specified as <u>FLAT RATE</u>, then ALL the data required is input on SCREEN 1 in the COST BANDS field and/or SPAN LENGTHS field by the User.				
LOOP TOPOLOGY	When the Loop Topology (circuit layout format) for the Feeder Layer is specified as <u>STAR</u>, the Primary Feeder (C.O. to HUB) is variable and the Feeder Extension (HUB to R.T.) is held as an average length link. When the Loop Topology is specified as <u>RING</u>, the Primary Feeder is held as an average length link and the Feeder Extension is variable. This Input Sheet is 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 THE DATA CATALOG NAMES ***** ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION ***** CONFIDENTIAL NOTICE MUST BE GIVEN BEFORE RELEASE TO PUBLIC PROHIBITED TO TSCO.. PRESS 'ENTER' TO RETURN TO THE MAIN MENU					

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C:\123R24\LCATR043\SPAN		LOOP COST ANALYSIS TOOL				Bellcore (R)	
INPUT - PLANT_CHAR. Sheet 2a / 5		LOOP FACILITY INPUT FIBER OPTIC CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER				LCAT Rel: 1.0.4 Issued: 07/31/95	
COMPANY: 0 CITY / AREA: 0 STATE / PROV: 0		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE				STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:42	
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET A			
		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
	CAPACITY	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT	CUMULATIVE FEEDER LENGTH	EFFECTIVE LENGTH BY PAIR FOOT
	[C]	[D _A]	[E _A]	[D _B]	[E _B]	[D _U]	[E _U]
4	FIBER CABLE 2 pr		0.0		0.0		0.0
6	FIBER CABLE 3 pr		0.0		0.0		0.0
12	FIBER CABLE 6 pr		0.0		0.0		0.0
18	FIBER CABLE 9 pr		0.0		0.0		0.0
24	FIBER CABLE 12 pr		0.0		0.0		0.0
36	FIBER CABLE 18 pr		0.0		0.0		0.0
48	FIBER CABLE 24 pr		0.0		0.0		0.0
60	FIBER CABLE 30 pr		0.0		0.0		0.0
72	FIBER CABLE 36 pr		0.0		0.0		0.0
84	FIBER CABLE 42 pr		0.0		0.0		0.0
96	FIBER CABLE 48 pr		0.0		0.0		0.0
144	FIBER CABLE 72 pr		0.0		0.0		0.0
192	FIBER CABLE 96 pr		0.0		0.0		0.0
216	FIBER CABLE 108 pr		0.0		0.0		0.0
CUMULATIVE LENGTHS OF FEEDER:							
AERIAL FIBER SUBTOTAL		0		0		0	
BURIED FIBER SUBTOTAL		0		0		0	
UNDGRD FIBER SUBTOTAL		0		0		0	
FIBER SUBTOTAL		0		0		0	

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C:\123R24\LCATR043\SPAN		LOOP COST ANALYSIS TOOL				Bellcore (R)			
PLANT CHAR - WORKSHEET 25 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 - PUBLIC COIN PHONE				LAST UPDATE: 29-Oct-96			
						TIME: 14:42			
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET B					
EFFECTIVE CHANNEL LENGTH BY CABLE PAIR FOOT [A] = [E]WKSH A/[F]WKSH C CUMULATIVE INVESTMENT BY CABLE CHANNEL FOOT [B] = [A]*[C]*UNIT INV FACILITY WKSH B									
For these sizes ...		CAPACITY	idx	AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
		[C]		[A]	[B]	[A]	[B]	[A]	[B]
4	FIBER CABLE	2 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
6	FIBER CABLE	3 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
12	FIBER CABLE	6 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
18	FIBER CABLE	9 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
24	FIBER CABLE	12 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
36	FIBER CABLE	18 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
48	FIBER CABLE	24 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
60	FIBER CABLE	30 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
72	FIBER CABLE	36 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
84	FIBER CABLE	42 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
96	FIBER CABLE	48 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
144	FIBER CABLE	72 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
192	FIBER CABLE	96 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
216	FIBER CABLE	108 pr		0.000	\$ 0.00	0.000	\$ 0.00	0.000	\$ 0.00
SUBTOTAL				\$ 0.00		\$ 0.00		\$ 0.00	

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C:\123R24\LCATR043\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: 14:42		
SERVICE CLASS: BAND 3 - PUBLIC C			WORKSHEET B								
NETWORK CIRCUIT LAYOUT STUDIES			CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT								
CABLE SHEATH SIZES	CAPACITY idx		26 GA.			24 GA.			22 GA.		
			AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRND CABLE SUBTOTAL					0.00			0.00			0.00

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C:\123R24\LCATR043\SPAN		LOOP COST ANALYSIS TOOL			Bellcore						
INPUT - PLANT_CHAR. Sheet 4a / 5		LOOP FACILITY INPUT COPPER CABLE SPAN CHARACTERISTICS FOR THE DISTRIBUTION LAYER FOR			LCAT Rel : 1.0.4 Issued : 07/31/95						
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - PUBLIC C			STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 29-Oct-96 TIME: 14:42						
NETWORK CIRCUIT LAYOUT STUDIES		WORKSHEET A CUMULATIVE LENGTHS BY CABLE PAIR FOOT									
CABLE SHEATH SIZES	CAPACITY 10X	26 GA.			24 GA.			22 GA.			
		AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	
40 COPPER CABLE	20 pr										
50 COPPER CABLE	25 pr										
80 COPPER CABLE	40 pr										
100 COPPER CABLE	50 pr										
140 COPPER CABLE	70 pr										
200 COPPER CABLE	100 pr										
400 COPPER CABLE	200 pr										
600 COPPER CABLE	300 pr										
800 COPPER CABLE	400 pr										
1200 COPPER CABLE	600 pr										
1800 COPPER CABLE	900 pr										
2400 COPPER CABLE	1200 pr										
3000 COPPER CABLE	1500 pr										
3600 COPPER CABLE	1800 pr										
4200 COPPER CABLE	2100 pr										
4800 COPPER CABLE	2400 pr										
5400 COPPER CABLE	2700 pr										
6000 COPPER CABLE	3000 pr										
7200 COPPER CABLE	3600 pr										
8400 COPPER CABLE	4200 pr										
SUB TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO									0.0
											dstacprf
											0.0
											dstbcprf
											0.0
											dstucprf
											0.0

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C:\123R24\LCATR043\SPAN		LOOP COST ANALYSIS TOOL						Bellcore			
PLANT CHAR - WORKSHEET 4B Sheet 4b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE DISTRIBUTION LAYER FOR						LCAT Rel : 1.0.4 Issued : 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 29-Oct-96 TIME: 14:42			
SERVICE CLASS: BAND 3 - PUBLIC C		WORKSHEET B									
NETWORK CIRCUIT LAYOUT STUDIES											
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES	CAPACITY idx		26 GA.			24 GA.			22 GA.		
			AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BURIED CABLE SUBTOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNDGRD CABLE SUBTOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOOP COST ANALYSIS TOOL										Bellcore [®]	
C:\123R24\LCATR043\SPAN										LCAT Rev: 1.0.4	
INPUT - PLANT_CHAR.										Issued: 07/31/95	
Sheet 5 / 5										STUDY YR: 1996	
COMPANY: CINCINNATI BELL TEL										TEST CASE: 1	
CITY / AREA: CINCINNATI										LAST UPDATE: 29-Oct-96	
STATE / PROV: OHIO										TIME: 14:42	
LOOP FACILITY INPUT											
DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX											
FOR											
INVESTMENT YEAR: 1996											
LOOP STUDY YEAR: 1996											
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE											
FIBER BANDWIDTH											
TRANSMISSION FLOW IS: ☒ UNIDIRECTIONAL											
☐ BIDIRECTIONAL											
LEVEL OF SERVICE: <u>NARBAND</u>											
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	MULTIPLE	n: 1	CHANNELS	
VOICE GRADE CHANNELS	672	1344	2016	2688	0	0	0	(SLM)	[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	
CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO											
FOOTNOTES 1 Where Service Level Multiple EQUALS {1 for NARBAND, 28 for WIDEBAND, 672 for BRDBAND} TIMES {2 for Unidirectional and 1 for Bidirectional}. 2 Where Wtd Eqv Chan per FO Pr [F] EQUALS {The Avg Wtd VGE for BR1 ->7} DIVIDED BY {The [SLM]} TIMES {1 PLUS 1 OVER PROT [E]}											

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PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1

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

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1996

TEST CASE: 1

LAST UPDATE: 29-Oct-96

TIME: 14:42

WORKSHEET DS

SELECT	MODE	HIERARCHY	BNDWID	DS1MULT	DS3MULT	VE	MEDIA
0							
1		DS1	1.5 Mbps	1	0.04	24	BIDIR.2WCU CA
2	MODE3	DS1	1.5 Mbps	1	0.04	24	UNDIR.4WCU CA
3		VT1	1.5 Mbps	1	0.04	24	UNDIR.FIBER
4		VT2	1.5 Mbps	1	0		UNDIR.FIBER
5		E1	2 Mbps	1	0.06	30	BIDIR.2WCU CA
6	MODE1	DS1C	3.2 Mbps	1NA		48	BIDIR.2WCU CA
7	MODE2	DS1C	3.2 Mbps	2	0.07	48	BIDIR.2WCU CA
8		VT3	3.2 Mbps	2	0.07	56	UNDIR.FIBER
9			4 Mbps	2	0	60	
10		DS2	6.3 Mbps	4	0.14	72	BIDIR.2WCU CA
11	MODE4	DS2	6.3 Mbps	1NA	0	72	BIDIR.2WCU CA
12		VT6	6.3 Mbps	4	0.14	84	UNDIR.FIBER
13		E2	8 Mbps	4	0.25	120	BIDIR.2WCU CA
14		E3	34 Mbps	16		480	
15	X	DS3	45 Mbps	28	1	672	BIDIR.2WCU CA
16		OC1	50 Mbps	28	1	672	UNDIR.FIBER
17	X		90 Mbps		2	1344	UNDIR.FIBER
18			90 Mbps		2	1344	BIDIR.MWRADIO
19		DS4	135 Mbps		3	2016	UNDIR.FIBER
20			135 Mbps		3	2016	BIDIR.MWRADIO
21		DS4NA	139 Mbps		3	2016	UNDIR.FIBER
22		E4	140 Mbps		3	2016	UNDIR.FIBER
23		14M	139 Mbps		6	4032	BIDIR.COAX
24		P140	139 Mbps		6	4032	BIDIR.COAX
25	X	OC3	155 Mbps		3	2016	UNDIR.FIBER
26	X		180 Mbps		4	2688	UNDIR.FIBER
27			417 Mbps		9	6048	UNDIR.FIBER
28		OC9	466 Mbps		12	6048	UNDIR.FIBER
29		OC12	560 Mbps		12	7680	UNDIR.FIBER
30			565 Mbps		12	7680	UNDIR.FIBER
31			1.2 Gbps		36	15120	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						

CONFIDENTIAL

NOTICE MUST
BE PROVIDED
PRIOR TO RELEASE

PLANT CHAR. - WORKSHEET F
Sheet 1 of 1

LOOP LENGTH DEVELOPMENT WORKSHEET

LCAT Rel: 1.0.4

Issued: 07/31/95

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

INVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 3 - PUBLIC CO
WORKSHEET F

STUDY YR.: 1996
TEST CASE: 1
LAST UPDATE: 29-Oct-96
TIME: 14:42

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

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

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

ERROR MESSAG 0

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C:\123R24\LCATR043\SPAN		LOOP COST ANALYSIS TOOL										Ballcore (R)																																																																																																																																																																																																																																																													
PLANT CHAR. = WORKSHEET SA Sheet 1 / 1 COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		WORKSHEET SA										LCAT R04: 1.0.4 Issued: 07/31/95 STUDY YR: 1995 TEST CASE: 1 LAST UPDATE: 29-Oct-96 TIME: 14:42																																																																																																																																																																																																																																																													
Sub Feeder Allocation Table																																																																																																																																																																																																																																																																									
OFFSET cur_lplgth = 5000 dcldepl = 18000 [B]distspa = 1095 nom_rangecur = 5000 seglgth alloc NO COLOCATED STOPS = BUS dstopo = STAF dstopo = STAF dstopo = BUS COLOCATED RT AND CP where COLOCATED fastopo = BUS dstopo = STAF dstopo = BUS																																																																																																																																																																																																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <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>500</td><td>0</td><td>500</td><td>0</td><td>5500</td></tr> <tr><td>1000</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>5100</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>4500</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>3500</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>2500</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>1500</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>500</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>-500</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>-1500</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>-2500</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>-3500</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>-4500</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>-5500</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>-6500</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>-7500</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>-8500</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>-9500</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>-10500</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>-12392</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>-13392</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>-14392</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>63095</td><td>1000</td><td>79000</td><td>-74392</td></tr> </tbody> </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	500	0	500	0	5500	1000	0	0	0	0	0	1000	0	1000	0	5100	2000	905	905	0	905	0	2000	0	2000	0	4500	3000	1905	1905	0	1905	0	3000	0	3000	0	3500	4000	2905	2905	0	2905	0	4000	0	4000	0	2500	5000	3905	3905	0	3905	0	5000	0	5000	0	1500	6000	4905	4905	0	4905	0	6000	0	6000	0	500	7000	5905	5905	0	5905	0	7000	0	7000	0	-500	8000	6905	6905	0	6905	0	8000	0	8000	0	-1500	9000	7905	7905	0	7905	0	9000	0	9000	0	-2500	10000	8905	8905	0	8905	0	10000	0	10000	0	-3500	11000	9905	9905	0	9905	0	11000	0	11000	0	-4500	12000	10905	10905	0	10905	0	12000	0	12000	0	-5500	13000	11905	11905	0	11905	0	13000	0	13000	0	-6500	14000	12905	12905	0	12905	0	14000	0	14000	0	-7500	15000	13905	13905	0	13905	0	15000	0	15000	0	-8500	16000	14905	14905	0	14905	0	16000	0	16000	0	-9500	17000	15905	15905	0	15905	0	17000	0	17000	0	-10500	18000	16905	8452.5	8452.5	0	16905	9000	9000	0	18000	-12392	19000	17905	8952.5	8952.5	0	17905	9500	9500	0	19000	-13392	20000	18905	9452.5	9452.5	0	18905	10000	10000	0	20000	-14392	80000	78905	16905	62000	1000	77905	16905	63095	1000	79000	-74392
[C]	[D=C-I]	[E]	[F=D-E]	[G]	[H=D-G]	[I]	[J=C-I]	[K]	[L=C-K]	[M=A-C]																																																																																																																																																																																																																																																															
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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 ^{act} 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 ALL FIBER Network.																																																																																																																																																																																																																																																																									

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**OHIO ONLY
3 Geographic Areas**

07/26/96
Revised

Band 1

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

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

Band 2

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

Average F1 Length	Average F2 Length	Average Loop	Average F1 Length	Average F2 Length	Average Loop
A	B	C	D	E	F
6,697	1,836	8,534	5,698	1,013	6,711
69			90		
19,582	2,699	22,282	21,785	1,989	23,774
70			74		
0.4964			0.5488		
0.5036			0.4512		
1.0000			1.0000		

Band 3

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

Average F1 Length	Average F2 Length	Average Loop	Average F1 Length	Average F2 Length	Average Loop
A	B	C	D	E	F
4,845	1,981	6,889	4,845	1,095	5,608
46			28,123		
23,301	4,826	28,123	23,881	3,479	27,360
56					
0.4510			0.5775		
0.5490			0.4225		
1.0000			1.0000		

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C:\123R24\LCATR044\RESULTS1			LOOP COST ANALYSIS TOOL					Bellcore	
OUTPUT - REPORT D			PROSPECTIVE INVESTMENT SUMMARY REPORT					LCAT Rel: 1.0.4	
SHEET 1 of 1								Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL			CIRCUIT DESIGN: TOTAL TECHNOLOGIES					STUDY YR: 1996	
CITY / AREA: CINCINNATI			LOOP SPAN DIVISION: ALL LOOP SPANS					TEST CASE: 1	
STATE / PROV: OHIO			SERVICE CLASS: BAND 3 - PUBLIC COIN PI					RUN DATE: 28-Jan-97	
JOB IDENT: CINCINNATI			TOTAL LOOP LENGTH: 27360 FEET					TIME: 13:12	

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
EQPT								
CODE								
PLANT								
ITEM DESCRIPTION	SEG.LGTH.							
SHARED RESOURCES								
LAND	20C	\$ 0.08	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.0756
BUILDING	10C	\$ 2.25	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 2.2463
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	\$ 0.89	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.8931
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	\$ 0.00		\$ 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	\$ 0.00	\$ 0.00	\$ 0.00		\$ 8.2500
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 8.3100
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.03	\$ 0.00	\$ 0.00		\$ 0.0300
CO EQPT - LOW CAP TERM	257C	\$ 5.92	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 5.9241
CO EQPT - LOW CAP CHAN	257C	\$ 19.39	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 19.3944
CO EQPT - HI CAP TERM	857C	\$ 1.55	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 1.5466
CO EQPT - HI CAP CHAN	857C	\$ 2.39	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 2.3926
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	\$ 0.14	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.1403
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.0000
UNDERGROUND (FO) CA.	85C	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 0.0343
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	\$ 0.04	\$ 0.00	\$ 0.04	\$ 1.93	\$ 0.00		\$ 2.0052
CONDUIT	4C	\$ 0.02	\$ 0.00	\$ 0.01	\$ 0.00	\$ 0.00		\$ 0.0268
SPAN SUMMARY		\$ 32.70	\$ 0.00	\$ 0.24	\$ 18.33	\$ 2.45		\$ 53.72
								\$ 53.72

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C:\123R24\LCATR044\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 3 (OHIO ONLY) PUBLIC COIN PHONE 18001 FEET - INFINITY INTRA

CURRENT TEST PLAN :

CURRENT JOB IDENT.		CINCINNATI	
BASIS	NETWORK	TEST CASE	1 LAST SWE
FR/DS	FLAT RATE	#BANDS	20 Jan-97
SVC LEVEL	NARBAND	#CKTS	10 7/31/97
CST METH	UN INCR	NO INV LEVEL	ANN COST TIME

CONFIDENTIAL
MUST BE KEPT SECRET
PRIOR TO RELEASE
PROVIDED TO PUC
... Your report is ready for viewing

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

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C:\123R24\LCATR044\RESULTS1
OUTPUT - WORKSHEET D
SHEET 1 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: 1 COLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 27360 FEET

Bellcore
LCAT Rel: 1.0.4
Issued: 7/31/95

STUDY YR: 1998
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:12

Circuit Design Mix: T.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED

PLANT ITEM DESCRIPTION	PLANT CODE	FEEDER				DISTRIBUTION NETWORK INTERFACE	TOTAL LOOP	TOTAL LOOP
		PRIMARY	EXTENSION	SUB-				
SHARED RESOURCES								
LAND	20C	\$ 0.07		\$ 0.00	\$ 0.00	\$ 0.07	\$ 0.07	
BUILDING	10C	\$ 1.97		\$ 0.00	\$ 0.00	\$ 1.97	\$ 1.97	
BLDG ENTRANCE CABLE	12C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
AERIAL CABLE (COPPER)	22C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
BURIED CABLE (COPPER)	45C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
UNDERGROUND (CU) CA.	5C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - LOW CAP TERM	257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - LOW CAP CHAN	257C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - HI CAP TERM	857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - HI CAP CHAN	857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - ANALOG SW	77C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - DIGITAL SW	377C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
AERIAL CABLE (FIBER)	822C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
BURIED CABLE (FIBER)	845C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
UNDERGROUND (FO) CA.	85C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CONNECTORS	57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
MISC. COM EQP & PWR	57C	\$ 0.75		\$ 0.00	\$ 0.00	\$ 0.75	\$ 0.75	
POLE LINE	1C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CONDUIT	4C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
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	\$ 0.00	\$ 0.00	
INTRABLDG CABLE	52C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
AERIAL CABLE (COPPER)	22C	\$ 3.02		\$ 0.45	\$ 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	\$ 7.71		\$ 0.00	\$ 0.00	\$ 7.71	\$ 7.71	
CO EQPT - LOW CAP CHAN	257C	\$ 19.39		\$ 0.00	\$ 0.00	\$ 19.39	\$ 19.39	
CO EQPT - HI CAP TERM	857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - HI CAP CHAN	857C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - ANALOG SW	77C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CO EQPT - DIGITAL SW	377C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
AERIAL CABLE (FIBER)	822C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
BURIED CABLE (FIBER)	845C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
UNDERGROUND (FO) CA.	85C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
CONNECTORS	57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
MISC. COM EQP & PWR	57C	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
POLE LINE	1C	\$ 0.72		\$ 0.04	\$ 1.93	\$ 2.69	\$ 2.69	
CONDUIT	4C	\$ 0.19		\$ 0.01	\$ 0.00	\$ 0.20	\$ 0.20	
SPAN SUMMARY		\$ 34.57	\$ 0.00	\$ 0.24	\$ 18.33	\$ 2.45	\$ 55.60	\$ 55.60
CIRCUIT DESIGN SUMMARY							\$ 55.60	

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C:\123R24\LCATR044\RESULTS1		LOOP COST ANALYSIS TOOL					Bellcore [®]	
OUTPUT - WORKSHEET D		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY					LCAT Rel: 1.0.4	
SHEET 2 of 10		COMPANY: CINCINNATI BELL TEL		CIRCUIT DESIGN: 2 CDLC		Issued: 7/31/95		
CITY / AREA: CINCINNATI		LOOP SPAN DIVISION: ALL LOOP SPANS		STUDY YR: 1996		TEST CASE: 1		
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PI		DATE: 28-Jan-97		TIME: 13:12		
JOB IDENT: CINCINNATI		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		TOTAL		
SEG. NAME		PRIMARY		EXTENSION		SUB-		
EQPT		INTERFACE				TOTAL		
PLANT		CODE				LOOP		
ITEM DESCRIPTION						TOTAL		
7 SHARED RESOURCES						TOTAL		
8 LAND		20C				\$0		
9 BUILDING		10C				\$0		
10 BLDG ENTRANCE CABLE		12C				\$0		
11 INTRABLDG CABLE		52C				\$0		
12 AERIAL CABLE (COPPER)		22C				\$0		
13 BURIED CABLE (COPPER)		45C				\$0		
14 UNDERGROUND (CU) CA.		5C				\$0		
15 CO EQPT - LOW CAP TERM		257C				\$0		
16 CO EQPT - LOW CAP CHAN		257C				\$0		
17 CO EQPT - HI CAP TERM		857C				\$0		
18 CO EQPT - HI CAP CHAN		857C				\$0		
19 CO EQPT - ANALOG SW		77C				\$0		
20 CO EQPT - DIGITAL SW		377C				\$0		
21 AERIAL CABLE (FIBER)		822C				\$0		
22 BURIED CABLE (FIBER)		845C				\$0		
23 UNDERGROUND (FO) CA.		85C				\$0		
24 CONNECTORS		57C				\$0		
25 MISC. COM EQP & PWR		57C				\$0		
26 POLE LINE		1C				\$0		
27 CONDUIT		4C				\$0		
28								
29 DIRECT RESOURCES								
30 LAND		20C				\$0		
31 BUILDING		10C				\$0		
32 BLDG ENTRANCE CABLE		12C				\$0		
33 INTRABLDG CABLE		52C				\$0		
34 AERIAL CABLE (COPPER)		22C				\$0		
35 BURIED CABLE (COPPER)		45C				\$0		
36 UNDERGROUND (CU) CA.		5C				\$0		
37 CO EQPT - P GAIN TERM		257C				\$0		
38 CO EQPT - P GAIN CHAN		257C				\$0		
39 CO EQPT - FO MUX TERM		857C				\$0		
40 CO EQPT - FO MUX CHAN		857C				\$0		
41 CO EQPT - ANALOG SW		77C				\$0		
42 CO EQPT - DIGITAL SW		377C				\$0		
43 AERIAL CABLE (FIBER)		822C				\$0		
44 BURIED CABLE (FIBER)		845C				\$0		
45 UNDERGROUND (FO) CA.		85C				\$0		
46 CONNECTORS		57C				\$0		
47 MISC. COM EQP & PWR		57C				\$0		
48 POLE LINE		1C				\$0		
49 CONDUIT		4C				\$0		
50								
51 SPAN SUMMARY						\$0		
52								
53 CIRCUIT DESIGN SUMMARY						\$0		
54								
55								

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A B C D E F G	LOOP COST ANALYSIS TOOL							Bellcore	
	PROSPECTIVE INVESTMENT WORKSHEET SUMMARY							LCAT Rel: 1.0.4 Issued: 7/31/95	
0	CM123R24\LCATR044\RESULTS1							STUDY YR: 1996	
1	OUTPUT - WORKSHEET D							TEST CASE: 1	
2	SHEET 3 of 10							RUN DATE: 28-Jan-97	
3	COMPANY: CINCINNATI BELL TEL							TIME: 13:12	
4	CITY / AREA: CINCINNATI								
5	STATE / PROV: OHIO								
6	JOB IDENT: CINCINNATI								
7	CIRCUIT DESIGN: MELDED CDLC								
8	LOOP SPAN DIVISION: ALL LOOP SPANS								
9	SERVICE CLASS: BAND 3 - PUBLIC COIN PI								
10	TOTAL LOOP LENGTH: 27360 FEET								
11	Technology Type Mix: 0.0000							TECHNOLOGY	
12	UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY							WEIGHTED	
13	PLANT NAME							TOTAL	
14	SEG. NAME							LOOP	
15	EQPT								
16	CODE								
17	PLANT								
18	ITEM DESCRIPTION								
19	PRIMARY								
20	EXTENSION								
21	SUB-								
22	DISTRIBUTION NETWORK								
23	INTERFACE								
24	TOTAL								
25	LOOP								
26	TOTAL								
27	LOOP								
28									
29	<u>SHARED RESOURCES</u>								
30	LAND	20C	\$ 0.07	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.07	\$ 0.0000
31	BUILDING	10C	\$ 1.97	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.97	\$ 0.0000
32	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
33	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
34	AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
35	BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
36	UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
37	CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
38	CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
39	CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
40	CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
41	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
42	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
43	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
44	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
45	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
46	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
47	MISC. COM EQP & PWR	57C	\$ 0.75	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.75	\$ 0.0000
48	POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
49	CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
50									
51	<u>DIRECT RESOURCES</u>								
52	LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
53	BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
54	BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.45	\$ 2.45	\$ 0.0000
55	INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
56	AERIAL CABLE (COPPER)	22C	\$ 3.02	\$ 0.00	\$ 0.15	\$ 8.10	\$ 0.00	\$ 11.27	\$ 0.0000
57	BURIED CABLE (COPPER)	45C	\$ 0.21	\$ 0.00	\$ 0.01	\$ 8.30	\$ 0.00	\$ 8.52	\$ 0.0000
58	UNDERGROUND (CU) CA.	5C	\$ 0.54	\$ 0.00	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.57	\$ 0.0000
59	CO EQPT - P GAIN TERM	257C	\$ 7.71	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 7.71	\$ 0.0000
60	CO EQPT - P GAIN CHAN	257C	\$ 19.39	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 19.39	\$ 0.0000
61	CO EQPT - FO MUX TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
62	CO EQPT - FO MUX CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
63	CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
64	CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
65	AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
66	BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
67	UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
68	CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
69	MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.0000
70	POLE LINE	1C	\$ 0.72	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.72	\$ 0.0000
71	CONDUIT	4C	\$ 0.19	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.19	\$ 0.0000
72	SPAN SUMMARY							\$ 34.57	\$ 0.00
73	TECHNOLOGY DESIGN SUMMARY							\$ 55.60	\$ 0.00

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C:\123R24\LCATR044\RESULTS1 OUTPUT - WORKSHEET D SHEET 4 of 10		LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				Bellcore	
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO JOB IDENT: CINCINNATI		CIRCUIT DESIGN: 1 FOMUX LOOP SPAN DIVISION: ALL LOOP SPANS SERVICE CLASS: BAND 3 - PUBLIC COIN PI TOTAL LOOP LENGTH: 27360 FEET		LCAT Rel: 1.0.4 Issued: 7/31/95 STUDY YR: 1996 TEST CASE: 1 RUN DATE: 26-Jan-97 TIME: 13:12			
Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				WEIGHTED	
PLANT NAME	SEG. NAME	PRIMARY	EXTENSION	SUB-	DISTRIBUTION NETWORK	TOTAL LOOP	TOTAL LOOP
PLANT	EQPT				INTERFACE		
ITEM DESCRIPTION	CODE						
SHARED RESOURCES							
LAND	20C					\$0	\$0
BUILDING	10C					\$0	\$0
BLDG ENTRANCE CABLE	12C					\$0	\$0
INTRABLDG CABLE	52C					\$0	\$0
AERIAL CABLE (COPPER)	22C					\$0	\$0
BURIED CABLE (COPPER)	45C					\$0	\$0
UNDERGROUND (CU) CA.	5C					\$0	\$0
CO EQPT - LOW CAP TERM	257C					\$0	\$0
CO EQPT - LOW CAP CHAN	257C					\$0	\$0
CO EQPT - HI CAP TERM	857C					\$0	\$0
CO EQPT - HI CAP CHAN	857C					\$0	\$0
CO EQPT - ANALOG SW	77C					\$0	\$0
CO EQPT - DIGITAL SW	377C					\$0	\$0
AERIAL CABLE (FIBER)	822C					\$0	\$0
BURIED CABLE (FIBER)	845C					\$0	\$0
UNDERGROUND (FO) CA.	85C					\$0	\$0
CONNECTORS	57C					\$0	\$0
MISC. COM EQP & PWR	57C					\$0	\$0
POLE LINE	1C					\$0	\$0
CONDUIT	4C					\$0	\$0
DIRECT RESOURCES							
LAND	20C					\$0	\$0
BUILDING	10C					\$0	\$0
BLDG ENTRANCE CABLE	12C					\$0	\$0
INTRABLDG CABLE	52C					\$0	\$0
AERIAL CABLE (COPPER)	22C					\$0	\$0
BURIED CABLE (COPPER)	45C					\$0	\$0
UNDERGROUND (CU) CA.	5C					\$0	\$0
CO EQPT - LOW CAP TERM	257C					\$0	\$0
CO EQPT - LOW CAP CHAN	257C					\$0	\$0
CO EQPT - HI CAP TERM	857C					\$0	\$0
CO EQPT - HI CAP CHAN	857C					\$0	\$0
CO EQPT - ANALOG SW	77C					\$0	\$0
CO EQPT - DIGITAL SW	377C					\$0	\$0
AERIAL CABLE (FIBER)	822C					\$0	\$0
BURIED CABLE (FIBER)	845C					\$0	\$0
UNDERGROUND (FO) CA.	85C					\$0	\$0
CONNECTORS	57C					\$0	\$0
MISC. COM EQP & PWR	57C					\$0	\$0
POLE LINE	1C					\$0	\$0
CONDUIT	4C					\$0	\$0
SPAN SUMMARY		\$0	\$0			\$0	\$0
						\$0	\$0

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C:\123R24\LCATR044\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 CITY / AREA: CINCINNATI STATE / PROV: OHIO JOB IDENT: CINCINNATI		CIRCUIT DESIGN: 2 FOMUX LOOP SPAN DIVISION: ALL LOOP SPANS SERVICE CLASS: BAND 3 - PUBLIC COIN PI TOTAL LOOP LENGTH: 27360 FEET		STUDY YR: 1996 TEST CASE: 1 RUN DATE: 28-Jan-97 TIME: 13:12			
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-	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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OUTPUT - WORKSHEET D			PROSPECTIVE INVESTMENT WORKSHEET SUMMARY					LCAT Ref: 1.0.4	
SHEET 6 of 10								Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL			CIRCUIT DESIGN: 3 FOMUX					STUDY YR: 1996	
CITY / AREA: CINCINNATI			LOOP SPAN DIVISION: ALL LOOP SPANS					TEST CASE: 1	
STATE / PROV: OHIO			SERVICE CLASS: BAND 3 - PUBLIC COIN PT					RUN DATE: 28-Jan-97	
JOB IDENT: CINCINNATI			TOTAL LOOP LENGTH: 27360 FEET					TIME: 13:12	

Circuit Design Mix: 1.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					WEIGHTED	
PLANT NAME	FEEDER	DISTRIBUTION NETWORK			TOTAL	TOTAL		
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE	LOOP	LOOP		
EQPT								
PLANT	CODE							
ITEM DESCRIPTION								
SHARED RESOURCES								
LAND	20C	\$ 0.08	\$ 0.00	\$ 0.00	\$ 0.08	\$ 0.08		
BUILDING	10C	\$ 2.25	\$ 0.00	\$ 0.00	\$ 2.25	\$ 2.25		
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
MISC. COM EQP & PWR	57C	\$ 0.89	\$ 0.00	\$ 0.00	\$ 0.89	\$ 0.89		
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
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	\$ 5.92	\$ 0.00	\$ 0.00	\$ 5.92	\$ 5.92		
CO EQPT - LOW CAP GHAN	257C	\$ 19.39	\$ 0.00	\$ 0.00	\$ 19.39	\$ 19.39		
CO EQPT - HI CAP TERM	857C	\$ 1.55	\$ 0.00	\$ 0.00	\$ 1.55	\$ 1.55		
CO EQPT - HI CAP CHAN	857C	\$ 2.39	\$ 0.00	\$ 0.00	\$ 2.39	\$ 2.39		
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		
AERIAL CABLE (FIBER)	822C	\$ 0.14	\$ 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	\$ 1.93	\$ 2.01	\$ 2.01		
CONDUIT	4C	\$ 0.02	\$ 0.02	\$ 0.00	\$ 0.03	\$ 0.03		
SPAN SUMMARY		\$ 32.70	\$ 0.00	\$ 0.24	\$ 48.33	\$ 53.72		
						\$ 53.72		

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A B C D E F G		CR123R24/LCATR044/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	
		COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO JOB IDENT: CINCINNATI		CIRCUIT DESIGN: 4 FOMUX LOOP SPAN DIVISION: ALL LOOP SPANS SERVICE CLASS: BAND 3 - PUBLIC COIN P1 TOTAL LOOP LENGTH: 27360 FEET		STUDY YR: 1996 TEST CASE: 1 RUN DATE: 28-Jan-97 TIME: 13:12			
		Circuit Design Mix: 0.0000		UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY				WEIGHTED TOTAL LOOP	
		PLANT NAME		FEEDER		DISTRIBUTION NETWORK		TOTAL LOOP	
		SEG. NAME		PRIMARY EXTENSION		SUB-		INTERFACE	
		EQPT CODE							
		PLANT							
		ITEM DESCRIPTION							
		<u>SHARED RESOURCES</u>							
0		LAND	20C					\$0	\$0
1		BUILDING	10C					\$0	\$0
2		BLDG ENTRANCE CABLE	12C					\$0	\$0
3		INTRABLDG CABLE	52C					\$0	\$0
4		AERIAL CABLE (COPPER)	22C					\$0	\$0
5		BURIED CABLE (COPPER)	45C					\$0	\$0
6		UNDERGROUND (CU) CA.	5C					\$0	\$0
7		CO EQPT - LOW CAP TERM	257C					\$0	\$0
8		CO EQPT - LOW CAP CHAN	257C					\$0	\$0
9		CO EQPT - HI CAP TERM	857C					\$0	\$0
10		CO EQPT - HI CAP CHAN	857C					\$0	\$0
11		CO EQPT - ANALOG SW	77C					\$0	\$0
12		CO EQPT - DIGITAL SW	377C					\$0	\$0
13		AERIAL CABLE (FIBER)	822C					\$0	\$0
14		BURIED CABLE (FIBER)	845C					\$0	\$0
15		UNDERGROUND (FO) CA.	85C					\$0	\$0
16		CONNECTORS	57C					\$0	\$0
17		MISC. COM EQP & PWR	57C					\$0	\$0
18		POLE LINE	1C					\$0	\$0
19		CONDUIT	4C					\$0	\$0
20									
21		<u>DIRECT RESOURCES</u>							
22		LAND	20C					\$0	\$0
23		BUILDING	10C					\$0	\$0
24		BLDG ENTRANCE CABLE	12C					\$0	\$0
25		INTRABLDG CABLE	52C					\$0	\$0
26		AERIAL CABLE (COPPER)	22C					\$0	\$0
27		BURIED CABLE (COPPER)	45C					\$0	\$0
28		UNDERGROUND (CU) CA.	5C					\$0	\$0
29		CO EQPT - LOW CAP TERM	257C					\$0	\$0
30		CO EQPT - LOW CAP CHAN	257C					\$0	\$0
31		CO EQPT - HI CAP TERM	857C					\$0	\$0
32		CO EQPT - HI CAP CHAN	857C					\$0	\$0
33		CO EQPT - ANALOG SW	77C					\$0	\$0
34		CO EQPT - DIGITAL SW	377C					\$0	\$0
35		AERIAL CABLE (FIBER)	822C					\$0	\$0
36		BURIED CABLE (FIBER)	845C					\$0	\$0
37		UNDERGROUND (FO) CA.	85C					\$0	\$0
38		CONNECTORS	57C					\$0	\$0
39		MISC. COM EQP & PWR	57C					\$0	\$0
40		POLE LINE	1C					\$0	\$0
41		CONDUIT	4C					\$0	\$0
42									
43		SPAN SUMMARY		\$0	\$0	\$0		\$0	\$0
44								\$0	\$0
45								\$0	\$0
46								\$0	\$0
47								\$0	\$0
48								\$0	\$0
49								\$0	\$0
50								\$0	\$0
51								\$0	\$0
52								\$0	\$0
53								\$0	\$0
54								\$0	\$0
55								\$0	\$0

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A B C D E F G	C:\123R24\LCATR044\RESULTS1									
	OUTPUT - WORKSHEET D									
	SHEET 8 of 10									
	COMPANY: CINCINNATI BELL TEL									
	CITY / AREA: CINCINNATI									
	STATE / PROV: OHIO									
	JOB IDENT: CINCINNATI									
	CIRCUIT DESIGN: 5 FOMUX									
	LOOP SPAN DIVISION: ALL LOOP SPANS									
	SERVICE CLASS: BAND 3 - PUBLIC COIN PI									
	TOTAL LOOP LENGTH: 27360 FEET									
	LCAT Rel: 1.0.4									
	Issued: 7/31/95									
	STUDY YR: 1996									
	TEST CASE: 1									
	RUN DATE: 28-Jan-97									
	TIME: 13:12									
0	Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY									
1	PLANT NAME ----- FEEDER ----- DISTRIBUTION NETWORK									
2	SEG. NAME PRIMARY EXTENSION SUB- INTERFACE									
3	EQPT CODE									
4	TOTAL LOOP									
5	WEIGHTED TOTAL LOOP									
6	PLANT									
7	ITEM DESCRIPTION									
8	SHARED RESOURCES									
9	LAND	20C						\$0		\$0
10	BUILDING	10C						\$0		\$0
11	BLDG ENTRANCE CABLE	12C						\$0		\$0
12	INTRABLDG CABLE	52C						\$0		\$0
13	AERIAL CABLE (COPPER)	22C						\$0		\$0
14	BURIED CABLE (COPPER)	45C						\$0		\$0
15	UNDERGROUND (CU) CA.	5C						\$0		\$0
16	CO EQPT - LOW CAP TERM	257C						\$0		\$0
17	CO EQPT - LOW CAP CHAN	257C						\$0		\$0
18	CO EQPT - HI CAP TERM	857C						\$0		\$0
19	CO EQPT - HI CAP CHAN	857C						\$0		\$0
20	CO EQPT - ANALOG SW	77C						\$0		\$0
21	CO EQPT - DIGITAL SW	377C						\$0		\$0
22	AERIAL CABLE (FIBER)	822C						\$0		\$0
23	BURIED CABLE (FIBER)	845C						\$0		\$0
24	UNDERGROUND (FO) CA.	85C						\$0		\$0
25	CONNECTORS	57C						\$0		\$0
26	MISC. COM EQP & PWR	57C						\$0		\$0
27	POLE LINE	1C						\$0		\$0
28	CONDUIT	4C						\$0		\$0
29	DIRECT RESOURCES									
30	LAND	20C						\$0		\$0
31	BUILDING	10C						\$0		\$0
32	BLDG ENTRANCE CABLE	12C						\$0		\$0
33	INTRABLDG CABLE	52C						\$0		\$0
34	AERIAL CABLE (COPPER)	22C						\$0		\$0
35	BURIED CABLE (COPPER)	45C						\$0		\$0
36	UNDERGROUND (CU) CA.	5C						\$0		\$0
37	CO EQPT - LOW CAP TERM	257C						\$0		\$0
38	CO EQPT - LOW CAP CHAN	257C						\$0		\$0
39	CO EQPT - HI CAP TERM	857C						\$0		\$0
40	CO EQPT - HI CAP CHAN	857C						\$0		\$0
41	CO EQPT - ANALOG SW	77C						\$0		\$0
42	CO EQPT - DIGITAL SW	377C						\$0		\$0
43	AERIAL CABLE (FIBER)	822C						\$0		\$0
44	BURIED CABLE (FIBER)	845C						\$0		\$0
45	UNDERGROUND (FO) CA.	85C						\$0		\$0
46	CONNECTORS	57C						\$0		\$0
47	MISC. COM EQP & PWR	57C						\$0		\$0
48	POLE LINE	1C						\$0		\$0
49	CONDUIT	4C						\$0		\$0
50										
51	SPAN SUMMARY		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
52								\$0		
53										
54										
55										

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A
B
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GC:\123R24\LCATR044\RESULTS1
OUTPUT - WORKSHEET D
SHEET 9 of 10**LOOP COST ANALYSIS TOOL**

PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellicore

LCAT Rel: 1.0.4

Issued: 7/31/95

COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: 6 FOMUX
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 3 - PUBLIC COIN PI
TOTAL LOOP LENGTH: 27380 FEETSTUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:12

Circuit Design Mix: 0.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED

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

ITEM DESCRIPTION**SHARED RESOURCES**

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

DIRECT RESOURCES

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

SPAN SUMMARY

\$0

\$0

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C:\123R24\LCATR044\RESULTS1 OUTPUT - WORKSHEET D SHEET 10 of 10			LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY					Belco: e ^(R) LCAT Ref: 1.0.4 Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO JOB IDENT: CINCINNATI			CIRCUIT DESIGN: MELED FOMUX LOOP SPAN DIVISION: ALL LOOP SPANS SERVICE CLASS: BAND 3 - PUBLIC COIN PI TOTAL LOOP LENGTH: 27360 FEET					STUDY YR: 1996 TEST CASE: 1 RUN DATE: 28-Jan-97 TIME: 13:12	
Technology Type Mix: 1.0000			UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TECHNOLOGY	
PLANT NAME			FEEDER		DISTRIBUTION NETWORK		TOTAL		
SEG. NAME			PRIMARY		EXTENSION		SUB-INTERFACE		
EQPT							LOOP		
PLANT CODE									
ITEM DESCRIPTION									
SHARED RESOURCES									
LAND 20C			\$ 0.08		\$ 0.00		\$ 0.08		
BUILDING 10C			\$ 2.25		\$ 0.00		\$ 2.25		
BLDG ENTRANCE CABLE 12C			\$ 0.00		\$ 0.00		\$ 0.00		
INTRABLDG CABLE 52C			\$ 0.00		\$ 0.00		\$ 0.00		
AERIAL CABLE (COPPER) 22C			\$ 0.00		\$ 0.00		\$ 0.00		
BURIED CABLE (COPPER) 45C			\$ 0.00		\$ 0.00		\$ 0.00		
UNDERGROUND (CU) CA. 5C			\$ 0.00		\$ 0.00		\$ 0.00		
CO EQPT - LOW CAP TERM 257C			\$ 0.00		\$ 0.00		\$ 0.00		
CO EQPT - LOW CAP CHAN 257C			\$ 0.00		\$ 0.00		\$ 0.00		
CO EQPT - HI CAP TERM 857C			\$ 0.00		\$ 0.00		\$ 0.00		
CO EQPT - HI CAP CHAN 857C			\$ 0.00		\$ 0.00		\$ 0.00		
CO EQPT - ANALOG SW 77C			\$ 0.00		\$ 0.00		\$ 0.00		
CO EQPT - DIGITAL SW 377C			\$ 0.00		\$ 0.00		\$ 0.00		
AERIAL CABLE (FIBER) 822C			\$ 0.00		\$ 0.00		\$ 0.00		
BURIED CABLE (FIBER) 845C			\$ 0.00		\$ 0.00		\$ 0.00		
UNDERGROUND (FO) CA. 85C			\$ 0.00		\$ 0.00		\$ 0.00		
CONNECTORS 57C			\$ 0.00		\$ 0.00		\$ 0.00		
MISC. COM EQP & PWR 57C			\$ 0.89		\$ 0.00		\$ 0.89		
POLE LINE 1C			\$ 0.00		\$ 0.00		\$ 0.00		
CONDUIT 4C			\$ 0.00		\$ 0.00		\$ 0.00		
DIRECT RESOURCES									
LAND 20C			\$ 0.00		\$ 0.00		\$ 0.00		
BUILDING 10C			\$ 0.00		\$ 0.00		\$ 0.00		
BLDG ENTRANCE CABLE 12C			\$ 0.00		\$ 0.00		\$ 2.45		
INTRABLDG CABLE 52C			\$ 0.00		\$ 0.00		\$ 0.00		
AERIAL CABLE (COPPER) 22C			\$ 0.00		\$ 0.15		\$ 8.10		
BURIED CABLE (COPPER) 45C			\$ 0.00		\$ 0.01		\$ 8.30		
UNDERGROUND (CU) CA. 5C			\$ 0.00		\$ 0.03		\$ 0.00		
CO EQPT - LOW CAP TERM 257C			\$ 5.92		\$ 0.00		\$ 0.00		
CO EQPT - LOW CAP CHAN 257C			\$ 19.39		\$ 0.00		\$ 0.00		
CO EQPT - HI CAP TERM 857C			\$ 1.55		\$ 0.00		\$ 0.00		
CO EQPT - HI CAP CHAN 857C			\$ 2.39		\$ 0.00		\$ 0.00		
CO EQPT - ANALOG SW 77C			\$ 0.00		\$ 0.00		\$ 0.00		
CO EQPT - DIGITAL SW 377C			\$ 0.00		\$ 0.00		\$ 0.00		
AERIAL CABLE (FIBER) 822C			\$ 0.14		\$ 0.00		\$ 0.00		
BURIED CABLE (FIBER) 845C			\$ 0.00		\$ 0.00		\$ 0.00		
UNDERGROUND (FO) CA. 85C			\$ 0.03		\$ 0.00		\$ 0.00		
CONNECTORS 57C			\$ 0.00		\$ 0.00		\$ 0.00		
MISC. COM EQP & PWR 57C			\$ 0.00		\$ 0.00		\$ 0.00		
POLE LINE 1C			\$ 0.04		\$ 0.00		\$ 0.00		
CONDUIT 4C			\$ 0.02		\$ 0.01		\$ 0.00		
SPAN SUMMARY			\$ 32.70		\$ 0.00		\$ 0.24		
							\$ 18.33		
							\$ 2.45		
							\$ 53.72		
							\$ 53.72		

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.123R24\LCATCALC\DIST

Bellcore (R)

RUN - DIST PLNT

LCAT

LAST UPDATE

28-Jan-97

12:49

LOOP COST ANALYSIS TOOL

Release: 1.0.4

Issued: 8/31/95

DISTRIBUTION SEGMENT COST MODEL - BASIC COPPER TECHNOLOGY

STUDY NAME: 1996 BAND 3 (OHIO ONLY) PUBLIC COIN PHONE 18001 FEET - INF

CURRENT TEST PLAN :

CURRENT JOB IDENT: CINCINNATI

BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS	
SVC LEVEL	NARBAND	#CKTS	1
CST METH	UN I	INW LEVEL	ANN

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C:\123R24\LCATCALC\DIST
DIST. PLANT - 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 3 - PUBLIC COIN PHONE

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

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1995
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:05

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
[A]		[B]	[C=A*B]	[D]	[E=C*D]		[F=E*fcfr]	[F=E*fcfr]	
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:							
BURIED CA. =	0.0000	AERIAL CA. = 0.0000							
UNDERGRND =	0.0000	BURIED CA. = 0.0000							
UNDERGRND = 0.0000									
OTHER INVESTMENT									
inv / unit pair: 0.2530									
POLE LINE FACTOR (PL) =	0.0000	inv rtn fcfr: 0.5165							
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PL) =	\$ 60.97								
UG CONDUIT FACTOR (UC) =	0.0000								
CONDUIT INVESTMENT (UTIL UNDGRND INVST x UC) =	\$ 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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01:23R24LCATCALCDIST
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-CLC/NON-COLLOC)
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

Bellcore (R)
LCAT Release: 1.0.4
Issue Date: 6/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:06

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		CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	
				COST EQUATION	[F]		SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]		SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]
LAND	20C	F	SHARED						1.0000		
BUILDING	10C	F	SHARED						1.0000		
BLDG ENTRANCE CABLE	12C	V	DIRECT						1.0000		
INTRABLDG CABLE	52C	V	DIRECT						0.3500		
AERIAL CABLE (COPPER)	22C	V	DIRECT	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				1.0000		\$ 61
CONDUIT	4C	F	DIRECT	0.00					1.0000		

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PROVIDED TO PUBLIC
\$ 589
\$ 589
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FOOTNOTES
NOTE 1: APPARENT INCONSISTENCIES BETWEEN COLUMNS F(F') AND H(H') ARE CAUSED BY COMPUTER ROUNDING.
NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.
AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC;
CO EQPT - ESS = CONNECTORS + MISC. CP&E.

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

LOOP COST ANALYSIS TOOL

Belcore (R)

PROSPECTIVE AND ANNUAL COSTS WORKSHEET
SERVING AREA INTERFACE TO SERVICE ACCESS POINT INVESTMENT COST MODEL

LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:08

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

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

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000			0.2322				
BUILDING	10C	1.0000			0.2837				
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		\$ 99.58		\$ 8.30
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			0.2669				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000			0.3881				
POLE LINE	1C	1.0000		\$ 61	0.3801		\$ 23.21		\$ 1.93
CONDUIT	4C	1.0000			0.2521				
TOTALS			\$ 0	\$ 569		\$ 0.00	\$ 219.98	\$ 0.00	\$ 18.33
				\$ 569			\$ 19.98		\$ 18.33

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PROVIDED TO PUBLIC

FOOTNOTES

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

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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 - PUBLIC COIN PHONE

Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:06

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

POLE LINE FACTOR (PLF) = 0.0000 from invest.: 0.2530
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLF) = \$ 0.00

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

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DIST PLNT - WORKSHEET B
Sheet 2 of 3LOOP COST ANALYSIS TOOL
ACCOUNT INVESTMENT WORKSHEET

Bellcore

LCAT

Release: 1.0.4

STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:06COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIOFACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

PLANT ITEM	PLANT ACCT CODE	CAT. FIXED RESOURCE VARI ALLOCATION	1996 UNIT INVESTMENT BY ACCOUNT COST EQUATION [F]	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	
					SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]		SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]
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				1.0000		
26 MISC. COM EQP & PWR	57C	V	SHARED				1.0000		
27 POLE LINE	1C	F	DIRECT	0.00			1.0000		
28 CONDUIT	4C	F	DIRECT				0.0000		

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FOOTNOTES

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

NOTE 2: COLUMN F IS AN ACCOUNT SUMMARY.

AERIAL CABLE + TERM INV + AIR DRYER + DROP WIRE; BURIED CABLE, ... ETC;
CO EQPT - ESS = CONNECTORS - MISC. CP&E.

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C:\123R24\LCATCALC\DIST			LOOP COST ANALYSIS TOOL					Bellcore (R)	
DIST PLNT - WORKSHEET B			PROSPECTIVE AND ANNUAL COSTS WORKSHEET					LCAT	
Sheet 3 of 3			FACILITY TYPE: COPPER CABLE					Release: 1.0.4	
COMPANY: CINCINNATI BELL TEL.			CIRCUIT SEGMENT: SERVICE ACCESS					STUDY YR: 1999	
CITY / AREA: CINCINNATI			SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE					TEST CASE: 1	
STATE / PROV: OHIO								RUN DATE: 28-Jan-97	
								TIME: 13:05	
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			0.3683				
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			bctshrinv bctdirinv		bctinvsy		bctmrc		
			\$ 0 \$ 75		\$ 29.42 \$ 2.45				

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PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PUBLIC

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

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G:\123R24\LCAT\CALC\DIST
DIST_PLNT - WORKSHEET B
Sheet 1 of 3

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

LOOP COST ANALYSIS TOOL

BASIC INVESTMENT WORKSHEET

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

Bellcore (TM)
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:06

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

POLE LINE FACTOR (PLF) = 0.0000 from invest. : 0.2530

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

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FOOTNOTES

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

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

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

LOOP COST ANALYSIS TOOL
ACCOUNT INVESTMENT WORKSHEET

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

Bellcore (R)
LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:06

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

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

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DIST_PLNT - WORKSHEET B
Sheet 3 of 3

LOOP COST ANALYSIS TOOL PROSPECTIVE AND ANNUAL COSTS WORKSHEET

BellicoreTM

LCAT
Release: 1.0.4
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:06

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

FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: SERVICE ACCESS
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

GRID

	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]
9	LAND	20C	1.0000		0.2322				
10	BUILDING	10C	1.0000		0.2937				
11	BLDG ENTRANCE CABLE	12C	1.0000	\$ 75	0.3922		\$ 29.42		\$ 2.45
12	INTRABLDG CABLE	52C	1.0000		0.3922				
13	AERIAL CABLE (COPPER)	22C	1.0000		0.4033				
4	BURIED CABLE (COPPER)	45C	1.0000		0.3467				
15	UNDERGROUND (CU) CA.	5C	1.0000		0.3663				
16	CO EQPT - P GAIN TERM	257C	1.0000		0.3881				
17	CO EQPT - P GAIN CHAN	257C	1.0000		0.3881				
18	CO EQPT - FO MUX TERM	857C	1.0000		0.3881				
19	CO EQPT - FO MUX CHAN	857C	1.0000		0.3881				
20	CO EQPT - ANALOG SW	77C	1.0000		0.0000				
21	CO EQPT - DIGITAL SW	377C	1.0000		0.3458				
22	AERIAL CABLE (FIBER)	822C	1.0000		0.2983				
23	BURIED CABLE (FIBER)	845C	1.0000		0.2724				
24	UNDERGROUND (FO) CA.	85C	1.0000		0.2689				
25	CONNECTORS	57C	1.0000		0.3881				
26	MISC. COM EQP & PWR	57C	1.0000		0.3881				
27	POLE LINE	1C	1.0000		0.3807				
28	CONDUIT	4C	1.0000		0.2521				
30									
31									
32	TOTALS								
33									
34									
35									
36									
37									
38									
39									
40									
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46									
47	FOOTNOTES								
48	NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.								
49	NOTE 2: AN INVESTMENT-ONLY STUDY NEGATES ANNUAL COST COMPUTATION,								
50	THUS, THIS COLUMN MAY BE PRESENTED FOR CONSISTENCY ONLY.								
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LOOP COST ANALYSIS TOOL				Belcore®	
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
DIST. PLNT - REPORT 14A				Issue Date: 8/31/95	
Sheet 1 of 3				STUDY YR: 1996	
COMPANY: CINCINNATI BELL TEL.				TEST CASE: 1	
CITY / AREA: CINCINNATI				RUN DATE: 28-Jan-97	
STATE / PROV: OH:O				TIME: 13:06	
FACILITY TYPE: COPPER CABLE					
CIRCUIT SEGMENT: [DISTRIBUTION PLANT (NON-D.C.) NON-COLLOC]					
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE					
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT				(See Note)	
logic-14a				TOTAL	
0				AVG. WEIGHTED	
1.0000				INVESTMENT	
27360				3479	
3479.0					
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
50	SPAN SUMMARY		\$ 18.33	\$ 0.00	\$ 0.00
51	AVG. WTD. SPAN SUMMARY		\$ 18.33	\$ 0.00	\$ 0.00
52	NOTE:		[sum(INV _{ACCT} ^{BAND} * MIX ^{BAND})]		
53					
54					
55					

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C:\123R24\LCATCALC.DIST		LOOP COST ANALYSIS TOOL		Belcore TM	
DIST_PLNT - REPORT 14B		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY		LCAT	
Sheet 1 of 1		CIRCUIT SEGMENT : <u>SERVICE ACCESS</u>		Release : 1.0.4	
COMPANY: CINCINNATI BELL TEL.		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE		STUDY YR: 1998	
CITY / AREA: CINCINNATI				TEST CASE: 1	
STATE / PROV: OHIO				RUN DATE: 28-Jan-97	
				TIME: 13:06	
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT					
ALL					
PLANT ITEM	PLANT ACCT CODE	BAND MIX AVG. LGTH.			
SHARED RESOURCES					
LAND	20C				
BUILDING	10C				
BLDG ENTRANCE CABLE	12C				
INTRABLDG CABLE	52C				
AERIAL CABLE (COPPER)	22C				
BURIED CABLE (COPPER)	45C				
UNDERGROUND (CU) CA.	5C				
CO EQPT - P GAIN TERM	257C				
CO EQPT - P GAIN CHAN	257C				
CO EQPT - FO MUX TERM	857C				
CO EQPT - FO MUX CHAN	857C				
CO EQPT - ANALOG SW	77C				
CO EQPT - DIGITAL SW	377C				
AERIAL CABLE (FIBER)	822C				
BURIED CABLE (FIBER)	845C				
UNDERGROUND (FO) CA.	85C				
CONNECTORS	57C				
MISC. COM EQP & PWR	57C				
POLE LINE	1C				
CONDUIT	4C				
DIRECT RESOURCES					
LAND	20C				
BUILDING	10C				
BLDG ENTRANCE CABLE	12C		2.45		
INTRABLDG CABLE	52C				
AERIAL CABLE (COPPER)	22C				
BURIED CABLE (COPPER)	45C				
UNDERGROUND (CU) CA.	5C				
CO EQPT - P GAIN TERM	257C				
CO EQPT - P GAIN CHAN	257C				
CO EQPT - FO MUX TERM	857C				
CO EQPT - FO MUX CHAN	857C				
CO EQPT - ANALOG SW	77C				
CO EQPT - DIGITAL SW	377C				
AERIAL CABLE (FIBER)	822C				
BURIED CABLE (FIBER)	845C				
UNDERGROUND (FO) CA.	85C				
CONNECTORS	57C				
MISC. COM EQP & PWR	57C				
POLE LINE	1C				
CONDUIT	4C				
SPAN TOTAL					

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RUN - SUB PRI

LAST UPDATE

28-Jan-97

12:50

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 3 (OHIO ONLY) PUBLIC COIN PHONE 18001 FEET - INFI

CURRENT TEST PLAN : CURRENT JOB IDENT. CINCINNATI

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

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SUB_PRI - WORKSHEET
Sheet 1 of 3

LOOP COST ANALYSIS TOOL
BASIC INVESTMENT WORKSHEET
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB-PRIMARY
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

BelcoreTM
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 11
RUN DATE: 28-Jan-97
TIME: 13:07

SEGMENT LENGTH IN FEET	TYPE OF CABLE PLANT	FROM TABLE 2 RELATIVE MIX OF TYPE OF CA. PLANT [B]	LENGTH SUBSET BY TYPE OF PLANT [C=A*B]	FROM TABLE 4 MLD CABLE DESIGN INVEST. PER PAIR FOOT [D]	CABLE INVESTMENT PER PAIR [E=C*D]	WEIGHTED TERMINAL INVESTMENT [UI*DTC]	AIR DRYER INVESTMENT PER PAIR	DROP WIRE ADJUSTMENT PER PAIR [E*fctr]	WEIGHTED DROP WIRE ADJUSTMENT PER PAIR [UI*DTC]
300	AERIAL	0.810000	243.00	0.011300	2.75		0.00	0.00	
MELDED GAUGE/S/ COPPER CABLE	BURIED	0.040000	12.00	0.018900	0.23		0.00	0.00	
	UNDERGRND	0.150000	45.00	0.012000	0.54		0.00	0.00	
CHECK =		1.000000							

ADDITIONAL CALCULATIONS FOR CENTRAL OFFICE INVESTMENTS

INVESTMENT PER CIRCUIT TERMINATION (CO CONN) CONNECTORS (coi77c) = \$ 0.00
 inv / unit lgth: inv rltm fctr: 0.000000 0.253000

POLE LINE FACTOR = 0.000000
 POLE LINE INVESTMENT = \$ 1.16
 (UTIL AERIAL INVEST x PL)

UG CONDUIT FACTOR = 0.000000 0.516500
 CONDUIT INVESTMENT = \$ 0.46
 (UTIL UNDGRND INVEST x UC)

MISC. COMMON EQPT. & POWER FACTOR = 1.2700
 MCE&P INVESTMENT (CO CONN) FACTOR = \$ 0.00
 LAND FACTOR = 0.00500
 LAND INVEST (CO CONN + MCE&P) x FACTOR = \$ 0.00
 BUILDING FACTOR = 0.13160
 BLDG INVEST (CO CONN + MCE&P) x FACTOR = \$ 0.00
 PERCENT OF CO CONN AT DIGITAL SWITCHES = 100.0000
 PERCENT OF CO CONN AT ANALOG SWITCHES = 0.0000

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

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SUB_PRI - WORKSHEET
Sheet 2 of 3

LOOP COST ANALYSIS TOOL
ACCOUNT INVESTMENT WORKSHEET
CENTRAL OFFICE TO SERVING AREA INVESTMENT CALCULATIONS
FACILITY TYPE: COPPER CABLE
CIRCUIT SEGMENT: MELDED GAUGE/S/ SUB-PRIMARY
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

Bellcore
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:07

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]
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	2.75	1		\$3	0.6000		\$5
BURIED CABLE (COPPER)	45C	V	DIRECT	0.23	1		\$0	0.6000		\$0
UNDERGROUND (CU) CA.	5C	V	DIRECT	0.54	1		\$1	0.6000		\$1
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					1.0000		
CONNECTORS	57C	V	DIRECT					1.0000		
MISC. COM EQP & PWR	57C	V	SHARED	0.00				1.0000		
POLE LINE	1C	F	DIRECT	1.16	1			1.0000		\$1
CONDUIT	4C	F	DIRECT	0.46	1			1.0000		\$0
TOTALS									\$0	\$7

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culpmvty

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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GMDC

0123R24LCATCALC/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 3 - PUBLIC COIN PHONE

Bellcore (R)
LCAT Release: 1.0.4
Issue Date: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 13:07

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENTS BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000			0.2922				
BUILDING	10C	1.0000			0.2937				
BLDG ENTRANCE CABLE	12C	1.0000			0.3022				
INTRABLDG CABLE	52C	1.0000			0.3022				
AERIAL CABLE (COPPER)	22C	1.0000			\$ 5 0.4033		\$ 1.85		\$ 0.15
BURIED CABLE (COPPER)	45C	1.0000			\$ 0 0.3467		\$ 0.13		\$ 0.01
UNDERGROUND (CU) CA.	5C	1.0000			\$ 1 0.3663		\$ 0.33		\$ 0.03
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			\$ 1 0.3807				
CONDUIT	4C	1.0000			\$ 0 0.2521				
							\$ 0.44		\$ 0.04
							\$ 0.00		\$ 0.01
SUBTOTALS			\$ 0		\$ 7		\$ 0.00		\$ 0.24
TOTALS					\$ 7		\$ 0.36		\$ 0.24
					culpinvsv				culpinrc

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

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C:\123R24\LCAT\CALC\ICUTECH		LOOP COST ANALYSIS TOOL				Bellcore®	
SUB_PRI - REPORT 14		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				LCAT Release: 1.0.4	
Sheet 1 of 1		COMPANY: CINCINNATI BELL TEL				Issue Date: 7/31/95	
CITY / AREA: CINCINNATI		FACILITY SEGMENT: SUB-PRIMARY PLANT				STUDY YR: 1996	
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE				TEST CASE: 1	
						RUN DATE: 28-Jan-97	
						TIME: 13:07	
1996 UNIT MONTHLY RECURRING COST BY ACCOUNT						(SEE NOTE)	
TOTAL						AVG. WEIGHTED	
300							
SHARED RESOURCES							
LAND	20C						\$ 0.00
BUILDING	10C						\$ 0.00
BLDG ENTRANCE CABLE	12C						\$ 0.00
INTRABLDG CABLE	52C						\$ 0.00
AERIAL CABLE (COPPER)	22C						\$ 0.00
BURIED CABLE (COPPER)	45C						\$ 0.00
UNDERGROUND (CU) CA.	5C						\$ 0.00
CO EQPT - P GAIN TERM	257C						\$ 0.00
CO EQPT - P GAIN CHAN	257C						\$ 0.00
CO EQPT - FO MUX TERM	857C						\$ 0.00
CO EQPT - FO MUX CHAN	857C						\$ 0.00
CO EQPT - ANALOG SW	77C						\$ 0.00
CO EQPT - DIGITAL SW	377C						\$ 0.00
AERIAL CABLE (FIBER)	822C						\$ 0.00
BURIED CABLE (FIBER)	845C						\$ 0.00
UNDERGROUND (FO) CA.	85C						\$ 0.00
CONNECTORS	57C						\$ 0.00
MISC. COM EQP & PWR	57C						\$ 0.00
POLE LINE	1C						\$ 0.00
CONDUIT	4C						\$ 0.00
DIRECT RESOURCES							
LAND	20C						\$ 0.00
BUILDING	10C						\$ 0.00
BLDG ENTRANCE CABLE	12C						\$ 0.00
INTRABLDG CABLE	52C						\$ 0.00
AERIAL CABLE (COPPER)	22C		\$ 0.15				\$ 0.15
BURIED CABLE (COPPER)	45C		\$ 0.01				\$ 0.01
UNDERGROUND (CU) CA.	5C		\$ 0.03				\$ 0.03
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	0.0	\$ 0.04				\$ 0.04
CONDUIT	4C	0.0	\$ 0.01				\$ 0.01
SPAN SUMMARY		\$ 0.24	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.24
AVG. WTD. SPAN SUMMARY		\$ 0.24	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.24
NOTE: [sum(INV _{ACCT} ^{BAND} * MIX ^{BAND})]							

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CA\123R24\LCATCALC\CUPRGN
RUN - CDLC PLANT

LAST UPDATE
28-Jan-97
12:51

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) PUBLIC COIN PHONE 18001 FEET - INFINITY INTRASTAT

CURRENT TEST PLAN : CURRENT JOB IDENT. CINCINNATI

BASIS	NETWORK	TEST CASE	1
FR / DS	FLAT RATE	#BANDS	0
SVC LEVEL	NARBAND	#CKTS	
CST METH	UN INCR	W 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: 5/31/95	
FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY										STUDY YR: 1995	
FACILITY TYPE: COPPER DIG LOOP CXR										TEST CASE: 1	
CIRCUIT DESIGN: T1C										DATE: 28-Jan-97	
SERVICE CLASS: HAND 3 - PUBLIC COIN PHONE										TIME: 01:08 PM	
COMPANY: CINCINNATI BELL TEL											
CITY / AREA: OHIO											
STATE / PROV: CINCINNATI											
27360 cur id: gth											
f = 0.125 pgrfactor											
CABLE COMPONENTS (NOTE 5)											
(NOTE 4)											
(NOTE 3)											
SEGMENT LENGTH IN FEET											
TYPE OF CABLE											
RELATIVE MIX OF TYPE OF											
EFFECTIVE LENGTH SUBSET											
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*DTIC]	[E*Idtr]	[E*Idtr]	[U1*DTIC]	[U1*DTIC]		
23581	AERIAL	0.810000	2387.58	0.022800	\$ 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	\$ 10.61		\$ 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 = compgrvst											
OTHER INVESTMENT											
POLE LINE FACTOR (PLf) =											
POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) =											
UGD CONDUIT FACTOR (UCf) =											
CONDUIT INVESTMENT (UTIL UNDRGRD INVST 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 INVST. (CU REMMUX x MCEP) =											
MCE&P INVST. (CDLCMUX x MCEP) =											
MCE&P INVST. (CO CONN x MCEP) =											
OTHER INVESTMENT											
LAND FACTOR FOR DLC (LANDf rem) =											
LAND FACTOR FOR DLC (LANDf c.o.) =											
LAND INVST. (CU COMUX + MCEP) x LANDf =											
LAND INVST. ((CO CONN + MCEP) x LANDf) =											
BUILDING FACTOR FOR DLC (BLDGf rem.) =											
BUILDING FACTOR FOR DLC (BLDGf c.o.) =											
BLDG INVST. (CDLCMUX + MCEP) x BLDGf =											
BLDG INVST. ((CO CONN + MCEP) x BLDGf) =											
LOOP TOPOLOGY											
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 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 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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CA123R24/LCATCALC/CUPRGN
CDLC PLANT - WORKSHEET 1
Sheet 2 of 3

LOOP COST ANALYSIS TOOL

ACCOUNT INVESTMENT WORKSHEET
CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET
FOR
DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY
FACILITY TYPE: COPPER DIG LOOP CXR
CIRCUIT DESIGN: T.C
SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

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

BelcoreTM
LCAT Release: 1.0.4
Issue Date: 8/31/95
STUDY YR: 1996
TEST CASE: 1
DATE: 26-Jan-97
TIME: 01:08 PM

PLANT ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT	CIRCUIT QUANTITY [G]	1996 UNIT LOOP INVESTMENT EXCL. UTILIZATION		ADMIN. UTIL. LINE FILL [J]	1996 UNIT LOOP INVESTMENT INCL. UTILIZATION	
				COST EQUATION [F]		SHARED RESOURCES [H=F*G]	DIRECT RESOURCES [H'=F*G]		SHARED RESOURCES [K=H/J]	DIRECT RESOURCES [K'=H'/J]
LAND	20C	F	SHARED	3.41	1	\$ 3		1.0000	\$ 3	
BUILDING	10C	F	SHARED	80.37	1	\$ 80		1.0000	\$ 80	
BLDG ENTRANCE CABLE	12C	---	---					1.0000		
INTRABLDG CABLE	52C	---	---					0.3500		
AERIAL CABLE (COPPER)	22C	V	DIRECT	53.96	1		\$ 54	0.6000		\$ 90
BURIED CABLE (COPPER)	45C	V	DIRECT	4.46	1		\$ 4	0.6000		\$ 7
UNDERGROUND (CU) CA.	5C	V	DIRECT	10.61	1		\$ 11	0.6000		\$ 18
CO EQPT - P GAIN TERM	257C	F	DIRECT	166.80	1		\$ 167	0.7000		\$ 238
CO EQPT - P GAIN CHAN	257C	V	DIRECT	419.77	1		\$ 420	0.7000		\$ 600
CO EQPT - FO MUX TERM	857C	F	DIRECT					1.0000		
CO EQPT - FO MUX CHAN	857C	F	DIRECT					1.0000		
CO EQPT - ESS - ANALOG	77C	V	DIRECT	0.00				1.0000		
CO EQPT - ESS - DIGITAL	377C	V	DIRECT	0.00				1.0000		
AERIAL CABLE (FIBER)	822C	F	DIRECT					0.3300		
BURIED CABLE (FIBER)	845C	F	DIRECT					0.3300		
UNDERGROUND (FO) CA.	85C	F	DIRECT					1.0000		
CONNECTORS	57C	V	DIRECT					1.0000		
MISC. COM EQP & PWR	57C	V	SHARED	23.18	1			1.0000		\$ 23
POLE LINE	1C	F	DIRECT	22.75	1			1.0000		\$ 9
CONDUIT	4C	F	DIRECT	9.13	1			1.0000		\$ 9
TOTALS									\$ 107	\$ 1,092

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FOOTNOTES

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

C:\123R2\LCATCALC\CUPRGN CDLC PLANT - WORKSHEET 1 Sheet 3 of 3	LOOP COST ANALYSIS TOOL PROSPECTIVE AND ANNUAL COSTS WORKSHEET CENTRAL OFFICE TO REMOTE TERMINAL (PRIMARY SECTION) WORKSHEET FOR DIGITAL LOOP CARRIER IN THE FEEDER SEGMENT ONLY FACILITY TYPE : COPPER DIG LOOP CRR CIRCUIT DESIGN : 1 C SERVICE CLASS : BAND 3 - PUBLIC COIN PHONE	Bellcore LCAT Release : 1.0.4 Issue Date : 8/31/85 STUDY YR : 1986 TEST CASE : 1 DATE : 26-Jan-97 TIME : 01:08 PM
COMPANY: CINCINNATI BELL TEL CITY / AREA : OHIO STATE / PROV : CINCINNATI		

PLANT ITEM	PLANT ACCT CODE	1996 TO 1996 TPI [L]	1996 UNIT LOOP INVESTMENT BY ACCOUNT		ANNUAL COST FACTOR [N]	1996 UNIT ANNUAL COSTS BY ACCOUNT		1996 UNIT MONTHLY RECURRING COSTS BY ACCOUNT	
			SHARED RESOURCES [M=K*L]	DIRECT RESOURCES [M'=K'*L]		SHARED RESOURCES [P=M*N]	DIRECT RESOURCES [P'=M'*N]	SHARED RESOURCES [R=P/12]	DIRECT RESOURCES [R'=P'/12]
LAND	20C	1.0000	\$ 3		0.2322	\$ 0.79		\$ 0.07	
BUILDING	10C	1.0000	\$ 80		0.2937	\$ 23.61		\$ 1.97	
BLDG ENTRANCE CABLE	12C	1.0000			0.3922				
INTRABLDG CABLE	52C	1.0000			0.3922				
AERIAL CABLE (COPPER)	22C	1.0000		\$ 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		\$ 238	0.3881		\$ 92.48		\$ 7.71
CO EQPT - P GAIN CHAN	257C	1.0000		\$ 600	0.3881		\$ 232.73		\$ 19.39
CO EQPT - FO MUX TERM	857C	1.0000			0.3881				
CO EQPT - FO MUX CHAN	857C	1.0000			0.3881				
CO EQPT - ESS - ANALOG	77C	1.0000			0.0000				
CO EQPT - ESS - DIGITAL	377C	1.0000			0.3458				
AERIAL CABLE (FIBER)	822C	1.0000			0.2983				
BURIED CABLE (FIBER)	845C	1.0000			0.2724				
UNDERGROUND (FO) CA.	85C	1.0000			0.2689				
CONNECTORS	57C	1.0000			0.3881				
MISC. COM EQP & PWR	57C	1.0000	\$ 23		0.3881				
POLE LINE	1C	1.0000		\$ 23	0.3807				
CONDUIT	4C	1.0000		\$ 9	0.2521				
TOTALS			\$ 107	\$ 985					
				\$ 1,092					
				FEED1SY					

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FOOTNOTES

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

C:\123R24\LCAT\CALC\CP\PRGN		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.		Issue Date: 5/31/95	
CITY / AREA: CINCINNATI		FACILITY SEGMENT: PRIMARY FEEDER SEGMENT		STUDY YR: 1996	
STATE / PROV: OHIO		CIRCUIT DESIGN: T1 COPPER DIG LOOP CDR		TEST CASE: 1	
		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE		DATE: 28-Jan-97	
				TIME: 01:09 PM	
logc-14a 1996 UNIT MONTHLY RECURRING COST BY ACCOUNT					
		BAND	0	(SEE NOTE)	
		PLANT MIX	1.0000	TOTAL	
		ACCT AVG		AVG. WEIGHTED	
		CODE LGTH	27360	INVESTMENT	
		SEGLGTH.	23581	23581	
SHARED RESOURCES					
1	LAND	20C	\$ 0.07		\$ 0.07
2	BUILDING	10C	\$ 1.97		\$ 1.97
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	\$ 0.75		\$ 0.75
19	POLE LINE	1C			\$ 0.00
20	CONDUIT	4C			\$ 0.00
DIRECT RESOURCES					
21	LAND	20C			\$ 0.00
22	BUILDING	10C			\$ 0.00
23	BLDG ENTRANCE CABLE	12C			\$ 0.00
24	INTRABLDG CABLE	52C			\$ 0.00
25	AERIAL CABLE (COPPER)	22C	\$ 3.02		\$ 3.02
26	BURIED CABLE (COPPER)	45C	\$ 0.21		\$ 0.21
27	UNDERGROUND (CU) CA.	5C	\$ 0.54		\$ 0.54
28	CO EQPT - P GAIN TERM	257C	\$ 7.71		\$ 7.71
29	CO EQPT - P GAIN CHAN	257C	\$ 19.39		\$ 19.39
30	CO EQPT - FO MUX TERM	857C			\$ 0.00
31	CO EQPT - FO MUX CHAN	857C			\$ 0.00
32	CO EQPT - ANALOG SW	77C			\$ 0.00
33	CO EQPT - DIGITAL SW	377C			\$ 0.00
34	AERIAL CABLE (FIBER)	822C			\$ 0.00
35	BURIED CABLE (FIBER)	845C			\$ 0.00
36	UNDERGROUND (FO) CA.	85C			\$ 0.00
37	CONNECTORS	57C			\$ 0.00
38	MISC. COM EQP & PWR	57C			\$ 0.00
39	POLE LINE	1C	\$ 0.72		\$ 0.72
40	CONDUIT	4C	\$ 0.19		\$ 0.19
41	SPAN SUMMARY		34.57	0.00	34.57
42	AVG. WTD. SPAN SUMMARY		34.57	0.00	34.57
NOTE: [sum(INV _{ACCT} * MIX _{MANU})]					

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C:\123R24\LCATCALC\FOPRGN

Bellcore (R)

RUN - FO MUX

LCAT

LAST UPDATE

LOOP COST ANALYSIS TOOL

Release: 1.0.4

28-Jan-97

Issued: 7/31/95

12:53

FEEDER SEGMENT COST MODEL - FIBER IN THE LOOP TECHNOLOGY

STUDY NAME: 1996 BAND 3 (OHIO ONLY) PUBLIC COIN PHONE 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	BY INCR	CONFIDENTIAL

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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 - PUBLX SERVICE LEVEL: NARBAND										LAST RUN: 28-Jan-97																																																								
										TIME: 13:10																																																								
from sfdr_tbl: 300 cur_sfdlength 15620.5 cur_prlngth from dw_mux: f = 1979.04 wideqvmn																																																																		
CABLE COMPONENTS (NOTE 5)																																																																		
<table border="1"> <thead> <tr> <th>SEGMENT</th> <th>LENGTH IN FEET</th> <th>TYPE OF CABLE PLANT</th> <th>RELATIVE MIX OF TYPE OF CA. PLANT</th> <th>EFFECTIVE LENGTH BY TYPE OF PLANT</th> <th>MLD 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*fcdr]</th> <th>DROP WIRE ADJUSTMENT PER PAIR [E*fcdr]</th> <th>WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]</th> </tr> </thead> <tbody> <tr> <td>CO TO HUB LINK</td> <td>23581</td> <td>AERIAL</td> <td>0.810000</td> <td>9.65</td> <td>0.193000</td> <td>1.86</td> <td></td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td>ON</td> <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>FIBER OPTIC FACILITIES</td> <td></td> <td>UNDERGRND</td> <td>0.190000</td> <td>2.26</td> <td>0.222900</td> <td>0.50</td> <td></td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td colspan="3"></td> <td>1.000000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												SEGMENT	LENGTH IN FEET	TYPE OF CABLE PLANT	RELATIVE MIX OF TYPE OF CA. PLANT	EFFECTIVE LENGTH BY TYPE OF PLANT	MLD 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*fcdr]	DROP WIRE ADJUSTMENT PER PAIR [E*fcdr]	WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]	CO TO HUB LINK	23581	AERIAL	0.810000	9.65	0.193000	1.86		0.00			ON		BURIED	0.000000	0.00	0.000000	0.00		0.00			FIBER OPTIC FACILITIES		UNDERGRND	0.190000	2.26	0.222900	0.50		0.00						1.000000							
SEGMENT	LENGTH IN FEET	TYPE OF CABLE PLANT	RELATIVE MIX OF TYPE OF CA. PLANT	EFFECTIVE LENGTH BY TYPE OF PLANT	MLD 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*fcdr]	DROP WIRE ADJUSTMENT PER PAIR [E*fcdr]	WEIGHTED DROP WIRE INVESTMENT PER PAIR [UI*DTC]																																																								
CO TO HUB LINK	23581	AERIAL	0.810000	9.65	0.193000	1.86		0.00																																																										
ON		BURIED	0.000000	0.00	0.000000	0.00		0.00																																																										
FIBER OPTIC FACILITIES		UNDERGRND	0.190000	2.26	0.222900	0.50		0.00																																																										
			1.000000																																																															
EQUIPMENT INVESTMENT LOADINGS																																																																		
INVST. PER CHAN. FOR CA TERM (CA CONN) = \$ 0.00 MISC. COM. EQPT. & POWER FACTOR (DLCrem) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (MUXrem) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (OTHrem) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (MUXco.) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (DLCco.) = 0.1127 MISC. COM. EQPT. & POWER FACTOR (OTHco.) = 0.1127 MCE&P INVST. (MUXco.+DLCco.) x MCEPfc.o.) = \$ 27.61 MCE&P INVST. (MUXrem+DLCrem) x MCEPfc.o.) = \$ 43.02 MCE&P INVST. (CA CONN x MCEPfc.o.) = \$ 0.00 MCE&P INVST. (CA CONN x MCEPfc.o.) = \$ 0.00 LAND FACTOR FOR MUX EQP (LANDfrem) = 0.0056 LAND FACTOR FOR MUX EQP (LANDfco.) = 0.0056 LAND FACTOR FOR OTH (LANDfrem) = 0.0056 LAND FACTOR FOR OTH (LANDfco.) = 0.0056 LAND FACTOR FOR MUX EQP (LANDfco.) = 0.0056 LAND FACTOR FOR OTH (LANDfco.) = 0.0056 LAND INVST. (DLC+MUX+MCEP) x LANDfco.o. = \$ 1.53 LAND INVST. (MUX+DLC+MCEP) x LANDfrem = \$ 2.38 BUILDING FACTOR FOR DLC EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfrem) = 0.1316 BUILDING FACTOR FOR OTH (BLDGfrem) = 0.1316 BUILDING FACTOR FOR DLC EQP (BLDGfco.) = 0.1316 BUILDING FACTOR FOR MUX EQP (BLDGfco.) = 0.1316 BUILDING FACTOR FOR OTH (BLDGfco.) = 0.1316 BLDG INVST. (DLC+MUX+MCEP) x BLDGfco.o. = \$ 35.88 BLDG INVST. (MUX+DLC+MCEP) x BLDGfrem = \$ 55.90																																																																		
OTHER INVESTMENT POLE LINE FACTOR (PLf) = 0.0000 0.1965 POLE LINE INVESTMENT (UTIL AERIAL INVEST. x PLf) = \$ 1.11 UNDERGROUND CONDUIT FACTOR (PLf) = 0.0000 0.5232 CONDUIT INVESTMENT (UTIL UNDERGRND INVST x UCf) = \$ 0.80																																																																		
LOOP TOPOLOGY STAR 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 0.0000 MIX OF UNIVERSAL DLC INTFC 0.0000 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 WORKSEET 8; 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 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 - PUBLSERVICE LEVEL: NARBAND										LAST RUN: 28-Jan-97	
										TIME: 13:19	
PLANT / ITEM	PLANT ACCT CODE	FIXED VARI SUNK	RESOURCE ALLOCATION	1996 UNIT INVESTMENTS BY ACCOUNT COST EQUATION	CIRCUIT QUANTITY	1996 UNIT LOOP INVESTMENT EXCL UTILIZATION SHARED RESOURCES	1996 UNIT LOOP INVESTMENT EXCL UTILIZATION DIRECT RESOURCES	ADMIN. UTIL. LINE FILL	1996 UNIT LOOP INVESTMENT INCL UTILIZATION SHARED RESOURCES	1996 UNIT LOOP INVESTMENT INCL UTILIZATION DIRECT RESOURCES	
LAND	20C	F	SHARED	3.91	1	\$ 4		1.0000	\$ 4		
BUILDING	10C	F	SHARED	91.78	1	\$ 92		1.0000	\$ 92		
BLDG ENTRANCE CABLE	12C	---	---					1.0000			
INTRABLDG CABLE	52C	---	---					0.3500			
AERIAL CABLE (COPPER)	22C	V	DIRECT					0.6000			
BURIED CABLE (COPPER)	45C	V	DIRECT					0.6000			
UNDERGROUND (CU) CA.	5C	V	DIRECT					0.6000			
CO EQPT - LOW CAP TERM	257C	F	DIRECT	128.22	1		\$ 128	0.7000		\$ 183	
CO EQPT - LOW CAP CHAN	257C	V	DIRECT	419.77	1		\$ 420	0.7000		\$ 600	
CO EQPT - HI CAP TERM	857C	F	DIRECT	47.82	1		\$ 48	1.0000		\$ 48	
CO EQPT - HI CAP CHAN	857C	F	DIRECT	73.98	1		\$ 74	1.0000		\$ 74	
CO EQPT - ANALOG SW	77C	V	DIRECT	0.00				1.0000			
CO EQPT - DIGITAL SW	377C	V	DIRECT	0.00				1.0000			
AERIAL CABLE (FIBER)	822C	F	DIRECT	1.86	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	27.61	1		\$ 1	1.0000	\$ 28		
POLE LINE	1C	F	DIRECT	1.11	1		\$ 1	1.0000		\$ 1	
CONDUIT	4C	F	DIRECT	0.80	1			1.0000		\$ 1	
TOTALS										\$ 123	\$ 914
										\$ 1,037	feed3iy

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

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LOOP COST ANALYSIS TOOL										Bellcore TM	
ANNUAL COSTS WORKSHEET										LCAT Rel: 1.0.4	
FOR PRIMARY FEEDER PLANT										ISSUE DATE: 7/31/95	
FACILITY TYPE: FIBER IN THE LOOP										STUDY YR: 1996	
CIRCUIT DESIGN: 1 3 FOMUX TO HUB / REM.										TEST CASE: 1	
SERVICE CLASS: BAND 3 - PUF SERVICE LEVEL: NARBAND										LAST RUN: 28-Jan-97	
										TIME: 13:10	
COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE / PROV: OHIO											
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	SHARED RESOURCES fo3sixaset	DIRECT RESOURCES fo3dixaset	ANNUAL COST FACTOR acfstart	SHARED RESOURCES	DIRECT RESOURCES	SHARED RESOURCES fo3sixaset	DIRECT RESOURCES fo3dixaset		
[PREVIOUS SHEET SUMMARY]			[M=K*L]	[M'=K'*L]	[N]	[P=M*N]	[P'=M'*N]	[Q=P/12]	[Q'=P'/12]		
LAND	20C	1.0000	\$ 4		0.2322	\$ 0.91		\$ 0.08			
BUILDING	10C	1.0000	\$ 92		0.2937	\$ 26.96		\$ 2.25			
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		\$ 183	0.3881		\$ 71.09			\$ 5.92	
CO EQPT - LOW CAP CHAN	257C	1.0000		\$ 600	0.3881		\$ 232.73			\$ 19.39	
CO EQPT - HI CAP TERM	857C	1.0000		\$ 48	0.3881		\$ 18.56			\$ 1.55	
CO EQPT - HI CAP CHAN	857C	1.0000		\$ 74	0.3881		\$ 28.71			\$ 2.39	
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	0.2963		\$ 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	\$ 28		0.3681	\$ 10.72		\$ 0.89			
POLE LINE	1C	1.0000		\$ 1	0.3807		\$ 0.42			\$ 0.04	
CONDUIT	4C	1.0000		\$ 1	0.2521		\$ 0.20			\$ 0.02	
TOTALS			\$ 123	\$ 914		\$ 38.58	\$ 33.67			\$ 29.48	
				\$ 1,037			\$ 32.39			\$ 32.70	
				feed3sy			feed3ann			feed3mrc	

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

LOOP COST ANALYSIS TOOL										Belcore®
PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										
FOR PRIMARY FEEDER PLANT										LCAT Rel: 1.0.4
FACILITY TYPE: FIBER IN THE LOOP										ISSUE DATE: 7/31/95
CIRCUIT DESIGN: 3 FOMUX TO HUB / REM.										STUDY YR: 1996
SERVICE CLASS: BAND 3 - PUBLK SERVICE LEVEL: NARBAND										TEST CASE: 1
										LAST RUN: 28-Jan-97
										TIME: 13:10
data = 14a3 1996 UNIT MONTHLY RECURRING COST BY ACCOUNT (SEE NOTE)										
										TOTAL
										AVG WEIGHTED
										INVESTMENT
										23581
SHARED RESOURCES										
1	LAND	20C								\$ 0.08
2	BUILDING	10C								\$ 2.25
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 - LOW CAP TERM	257C								\$ 0.00
9	CO EQPT - LOW CAP CHAN	257C								\$ 0.00
10	CO EQPT - HI CAP TERM	857C								\$ 0.00
11	CO EQPT - HI CAP 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								\$ 0.89
19	POLE LINE	1C								\$ 0.00
20	CONDUIT	4C								\$ 0.00
DIRECT RESOURCES										
21	LAND	20C								\$ 0.00
22	BUILDING	10C								\$ 0.00
23	BLDG ENTRANCE CABLE	12C								\$ 0.00
24	INTRABLDG CABLE	52C								\$ 0.00
25	AERIAL CABLE (COPPER)	22C								\$ 0.00
26	BURIED CABLE (COPPER)	45C								\$ 0.00
27	UNDERGROUND (CU) CA.	5C								\$ 0.00
28	CO EQPT - LOW CAP TERM	257C								\$ 5.92
29	CO EQPT - LOW CAP CHAN	257C								\$ 19.39
30	CO EQPT - HI CAP TERM	857C								\$ 1.55
31	CO EQPT - HI CAP CHAN	857C								\$ 2.39
32	CO EQPT - ANALOG SW	77C								\$ 0.00
33	CO EQPT - DIGITAL SW	377C								\$ 0.00
34	AERIAL CABLE (FIBER)	822C								\$ 0.14
35	BURIED CABLE (FIBER)	845C								\$ 0.00
36	UNDERGROUND (FO) CA.	85C								\$ 0.03
37	CONNECTORS	57C								\$ 0.00
38	MISC. COM EQP & PWR	57C								\$ 0.00
39	POLE LINE	1C								\$ 0.04
40	CONDUIT	4C								\$ 0.02
41	SPAN SUMMARY		32.70	0.00	0.00	0.00	0.00	0.00	0.00	\$ 32.70
42	AVG. WTD. SPAN SUMMARY		32.70	0.00	0.00	0.00	0.00	0.00	0.00	
NOTE: [sum(INV _{ACCT} ^{BAND} * MDX ^{BAND})]										

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C:\123R24\LCATR044\COSTMETH

LOOP COST ANALYSIS TOOL

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

SWITCHED SERVICES

LCAT Rel: 1.0.4

Issued: 07/31/95

STUDY YR: 1995

TEST CASE: 1

LAST UPDATE: 30-Oct-96

TIME: 07:39

PLANT ITEM	LCAT CODE	WHEN BANDWIDTH DELIVERY IS							
		NARROWBAND		WIDEBAND		BROADBAND			
		PLANT CODE	SENS. INDEX	RESOURCE ASSIGNMENT	SENS. INDEX	RESOURCE ASSIGNMENT	SENS. INDEX	RESOURCE ASSIGNMENT	
LAND	LAND	20C	F	SHARED	F	SHARED	F	SHARED	
BUILDING	BLDG	10C	F	SHARED	F	SHARED	F	SHARED	
BLDG ENTRANCE CABLE	BEC	12C	V	DIRECT	V	DIRECT	V	DIRECT	
INTRABLDG CABLE	IBC	52C	V	DIRECT	V	DIRECT	V	DIRECT	
AERIAL CABLE (COPPER) ①	ACU	22C	V	DIRECT	V	DIRECT	V	DIRECT	
BURIED CABLE (COPPER) ①	BCU	45C	V	DIRECT	V	DIRECT	V	DIRECT	
UNDERGROUND (CU) CA. ①	UCU	5C	V	DIRECT	V	DIRECT	V	DIRECT	
CO EQPT - LOW CAP TERM	DLCT	257C	F	DIRECT	V	DIRECT	V	DIRECT	
CO EQPT - LOW CAP CHAN	DLCC	257C	V	DIRECT	V	DIRECT	V	DIRECT	
CO EQPT - HI CAP TERM	MUXT	857C	F	DIRECT	F	DIRECT	F	DIRECT	
CO EQPT - HI CAP CHAN	MUXC	857C	F	DIRECT	F	DIRECT	V	DIRECT	
CO EQPT - ANALOG SW	ACOE	77C	V	DIRECT	V	DIRECT	V	DIRECT	
CO EQPT - DIGITAL SW	DCOE	377C	V	DIRECT	V	DIRECT	V	DIRECT	
AERIAL CABLE (FIBER)	AFO	822C	F	DIRECT	F	DIRECT	F	DIRECT	
BURIED CABLE (FIBER)	BFO	85C	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(~~ixed~~) OR SHARED ARE EXCLUDED IN A MARGINAL COST STUDY
 ITEMS LABELED F(~~ixed~~) ARE EXCLUDED FROM ADDITIONS IN INCREMENTAL STUDIES
 ALL ITEMS ARE INCLUDED IN A PROSPECTIVE, REPLACEMENT OR NEW INSTALLATION.

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C:\123R24\LCATR044\COSTMETH
TABLE - COST_METH
Sheet 1 of 2

HELP SCREEN

Bellcore^(R)

LCAT Rel : 1.0.4

Issued : 07/31/95

Field / Group Title	Valid Inputs	This field or grouping defines -
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 - 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\LCATR044\COSTMETH

LOOP COST ANALYSIS TOOL

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

SWITCHED SERVICES

LCAT Rel: 1.0.4
Issued: 07/31/95
STUDY YR: 1996
TEST CASE: 1
LAST UPDATE: 30-Oct-96
TIME: 07:39

PLANT ITEM	WHEN BANDWIDTH DELIVERY IS					
	NARROWBAND		WIDEBAND		BROADBAND	
	CATEGORY	SENS. RESOURCE	CATEGORY	SENS. RESOURCE	CATEGORY	SENS. RESOURCE
PLANT CODE	INDEX	ASSIGNMENT	INDEX	ASSIGNMENT	INDEX	ASSIGNMENT
20C	F	SHARED	F	SHARED	F	SHARED
10C	F	SHARED	F	SHARED	F	SHARED
22C	V	DIRECT	V	DIRECT	V	DIRECT
45C	V	DIRECT	V	DIRECT	V	DIRECT
5C	V	DIRECT	V	DIRECT	V	DIRECT
257C	F	DIRECT	V	DIRECT	V	DIRECT
257C	V	DIRECT	V	DIRECT	V	DIRECT
857C	F	DIRECT	F	DIRECT	F	DIRECT
857C	F	DIRECT	F	DIRECT	V	DIRECT
77C	V	DIRECT	V	DIRECT	V	DIRECT
377C	V	DIRECT	V	DIRECT	V	DIRECT
822C	F	DIRECT	F	DIRECT	F	DIRECT
845C	F	DIRECT	F	DIRECT	F	DIRECT
85C	F	DIRECT	F	DIRECT	F	DIRECT
157C	V	DIRECT	V	DIRECT	V	DIRECT
157C	V	SHARED	V	SHARED	V	SHARED
1C	F	DIRECT	F	DIRECT	F	DIRECT
4C	F	DIRECT	F	DIRECT	F	DIRECT

FOOTNOTES

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

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C:\123R24\LCATR044\COSTMETH
TABLE - COST_METH
Sheet 2 of 2

HELP SCREEN

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

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

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

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C:\123R24\LCATR044\CRITERIA		LOOP COST ANALYSIS TOOL		Bellcore (R)	
INPUT - STUDY SETUP		GENERAL STUDY REQUIREMENTS		TODAY IS : 28-Jan-97	
LCAT Rel. : 1.0.4				LAST UPDATE:	
Issue Date : 3/31/95				30-Oct-96 07:40 AM	
STUDY NAME		1996 BAND 3 (OHIO ONLY) PUBLIC COIN PHONE 18001 FEET - INFINITY INTRASTATE			
COMMENTS					
SERVICE CLASS		BAND 3 -- PUBLIC COIN PHON		STUDY BASIS	
				☒ NETWORK	
				☐ INDIVIDUAL	
COMPANY		CINCINNATI BELL TEL		INVESTMENT YEAR	
				1996	
STATE / PROVINCE		OHIO		LOOP CHAR. STUDY YEAR	
				1996	
CITY / AREA		CINCINNATI		STUDY YEAR	
				1996	
DENSITY CELL MIX		0 100 0 0		BEST 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\LCATR044\CRITERIA
 INPUT - STUDY SETUP
 Sheet 1 of 2

HELP SCREEN**BelcoreTM**

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 network that support the services/ 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\LCATRC44\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 - PUBLIC COIN PHONE		LCAT Rel. 1.0.4 ISSUED: 3/31/95 STUDY YEAR: 1996 TEST CASE: 1 LAST UPDATE: 30-Oct-95 TIME: 07:40 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 ?			
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 ?			
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.			

VALID RESPONSE SET

N or A	NEW
S or P	SWITCHED
N, W or B	NARBAND
2 or 4	2

0 → 100	100
0 → 100	0
0 → 100	0
e.g. 12000	18000 Feet

For D	FLAT RATE
1, 2, 3, 4, 5	100
For A	COST
For M	TOT INCR
0 → 999	19
	RATES PLAN

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HELP SCREEN

BellcoreTM

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, up to a maximum of 5 bands.
Enter **0** for Network Averaged (non-Banded) Input or Individual Circuit Flat Rate Cost Studies.
11. Specify **I** for Investment Only results or **C** for resultant Annual or 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\LCATR044\DESIGN		LOOP COST ANALYSIS TOOL		Belcore
INPUT - LOOP_DESIGN Sheet 1 / 1		CIRCUIT DESIGN REQUIREMENTS CHARACTERISTICS FOR		LCAT Rel :1.0.4 Issued :07/31/95
COMPANY :CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996		STUDY YR: 1996
CITY / AREA :CINCINNATI		LOOP STUDY YEAR: 1996		TEST CASE: 1
STATE / PROV :OHIO		SERVICE CLASS:BAND 3 - PUBLIC COIN PHON		LAST UPDATE: 30-Oct-96 TIME: 07:40

CIRCUIT DESIGN

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

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

(FIBER HUB TO REMOTE TERMINAL LINK)

FACILITY INTERFACE SITES :

Proportion of Fiber Circuits
WITHOUT Fiber Hubs 0.0000

FACILITY TECHNOLOGIES:

Of the Hubbed Circuits -

Proportion of links on Fiber Tech. 0.0000

Proportion of links on CDLC / MAR 0.0000

FOR SERVICE ACCESS NETWORK

(REMOTE TERMINAL TO CUSTOMER LINK)

FACILITY INTERFACE SITES :

Proportion of Remote terminals
colocated at Customer Premises 0.0000

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

Note

FOR FIBER DLC DESIGNS:

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

FOR COPPER DLC DESIGNS:

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

ChkSum

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

C:\123R24\LCATR044\DESIGN

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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% RING, therefore, the *DESIGN* choices are limited for RING to *DESIGN's* 1 and 5. All other *DESIGN's* are to be avoided.

**SERVICE
SPECIFIC**

To avoid circuit layout conflict with certain service levels, the input options 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

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C:\123R24\LCATR044\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore	
TABLE - SPAN INV SHEET 1/4		LCAT FACILITY INPUT FIBER CABLE DATA		LCAT Rel: 1.04 Issued: 07/31/95	
COMPANY: CINCINNATI BELL TEL.		FOR		STUDY YR: 1995	
CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1995		TEST CASE: 1	
STATE/PROV: OHIO		LOOP STUDY YEAR: 1995		LAST UPDATE: 30-Oct-95	
		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE		TIME: 07:42	
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	
		BURIED		0.0000	
		UNDGRD		0.1900	
				0.0000 factors	
				0.0000 factors	
				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		per fiber pair Foot	
		BURIED \$ 0.0000		per fiber pair Foot	
		UNDGRD \$ 0.2229		per fiber pair Foot	
		(Fiber Hub to Remote Terminal)		(Remote Terminal to Service Point)	

C:\123R24\LCATR044\FACILITY				LOOP COST ANALYSIS TOOL				Bellcore	
TABLE - SPAN_INV SHEET 1A / 4		LOOP FACILITY INPUT FIBER CABLE DATA - BY CABLE SHEATH DETAIL FOR				LCAT Ver: 1.0.4 Issued: 07/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 30-Oct-96 TIME: 07:42			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / PROV: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE							
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\LCATR044\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 LOG NAMES *****
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C:\123R24\LCATR044\FACILITY		LOOP COST ANALYSIS TOOL				Bellcore (P)
TABLE - SPAN_INV SHEET 2 / 4		LOOP FACILITY INPUT COPPER CABLE DATA				LCAT Rel: 1.0.4 Issued: 07/31/85
COMPANY: CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996				STUDY YR: 1996
CITY / AREA: CINCINNATI		LOOP STUDY YEAR: 1996				TEST CASE: 1
STATE/PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE				LAST UPDATE: 30-Oct-96 TIME: 07:42
COPPER CABLE CHARACTERISTICS AND INVESTMENTS						
Cable Gauge Mix :	<u>GAUGE</u>	<u>FEEDER SEGMENT</u>	<u>DISTRIBUTION SEGMENT</u>	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]		
Copper Cable that is	24 GA.	0.8500	0.8500	on the FULL SET Input SHEET ? (Y / N) N		
	22 GA.	0.0000	0.0000	If not, Update		
Cable Type Mix, By Gauge :				<u>GAUGE</u>	<u>FEEDER SEGMENT</u>	<u>DISTRIBUTION SEGMENT</u>
The Proportion of				Average Unit		
Copper Cable that is	26 GA.	AERIAL 0.8100	0.5800	AERIAL	0.0113	0.0418
		BURIED 0.0400	0.4200	BURIED	0.0189	0.0688
		UNDGRND 0.1500	0.0000	UNDGRND	0.0120	0.0000
	24 GA.	AERIAL 0.8100	0.5800	AERIAL	0.0113	0.0418
		BURIED 0.0400	0.4200	BURIED	0.0189	0.0688
		UNDGRND 0.1500	0.0000	UNDGRND	0.0120	0.0000
	22 GA.	AERIAL 0.0000	0.0000	AERIAL	0.0000	0.0000
		BURIED 0.0000	0.0000	BURIED	0.0000	0.0000
		UNDGRND 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\LCATR044\FACILITY		LOOP COST ANALYSIS TOOL						Bellcore				
TABLE - SPAN_INV SHEET 2A / 4		LOOP FACILITY INPUT COPPER CABLE DATA - BY CABLE SHEATH DETAIL						LCAT Ver: 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 - PUBLIC COIN PHONE						STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 30-Oct-96 TIME: 07:42				
COPPER CABLE INVESTMENT REFERENCE TABLE												
Unit Investment Per Cable Pair Foot, By Cable Gauge, By Cable Type, By Cable Size												
Cable Sheath Sizes		Capacity	Gauge: =>	26 GA.			24 GA.			22 GA.		
			INDEX	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40	Copper Cable	20 pr	\$									
50	Copper Cable	25 pr	\$									
80	Copper Cable	40 pr	\$									
100	Copper Cable	50 pr	\$									
140	Copper Cable	70 pr	\$									
200	Copper Cable	100 pr	\$									
400	Copper Cable	200 pr	\$									
600	Copper Cable	300 pr	\$									
800	Copper Cable	400 pr	\$									
1200	Copper Cable	600 pr	\$									
1800	Copper Cable	900 pr	\$									
2400	Copper Cable	1200 pr	\$									
3000	Copper Cable	1500 pr	\$									
3600	Copper Cable	1800 pr	\$									
4200	Copper Cable	2100 pr	\$									
4800	Copper Cable	2400 pr	\$									
5400	Copper Cable	2700 pr	\$									
6000	Copper Cable	3000 pr	\$									
7200	Copper Cable	3600 pr	\$									
8400	Copper Cable	4200 pr	\$									

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C:\123R24\LCATR044\FACILITY
TABLE - SPAN_INV
SHEET 2 / 4

HELP SCREEN

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

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C:\123R24\LCATR044\FACILITY.WK1

LOOP COST ANALYSIS TOOL

Bellcore (R)

SPAN INV - WORKSHEET
Sheet 1 / 3COPPER CABLE DISTRIBUTIONS MELDING
WORKSHEET ALCAT Ver: 1.0.4
Issue Date: 07/31/95
STUDY YR: 1998
TEST CASE: 1998
DATE: 1
LAST UPDATE: 30-Oct-96
TIME: 07:42COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIOFACILITY TYPE: COPPER CABLE
DESIGN TYPE: DISTRIBUTION SEGMENT

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...dst)	PER FOOT INVESTMENT (pfi..ds)	CABLE GAUGE MIX (copper..dst)	ADJUSTED CABLE TYPE	ADJUSTED PFI
CHARACTERISTICS FOR :	[A]	[B]	[C]	[D=A*C]	[E=B*C]
AERIAL @ 26 GA.	0.580000	\$ 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 ---

--- TABLE 4 ---

Check = 1.00

--- TABLE 6 ---

DATA DESC.	CABLE TYPE MIX RANGE NAME	MELDED GAUGES
CHARACTERISTICS FOR :	[F=sum(D*Type)]	
AERIAL	0.580000	
BURIED	0.420000	
UNDERGRND	0.000000	

Check = 1.000000

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

PAIR / FOOT INVESTMENT RENORMALIZED AERIAL / BURIED	MELDED GAUGES
[H=F*Type / sum(F*Type)]	
\$ 0.580000	
\$ 0.420000	
\$ 0.000000	

Check = 1.000000

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C:\123R24\LCATR044\FACILITY.WK1		LOOP COST ANALYSIS TOOL				Bellcore [®]
SPAN INV - WORKSHEET Sheet 2 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET A FOR				LCAT Ver: 1.0.3 Issue Date: 07/31/95
COMPANY: CINCINNATI BELL TEL.		FACILITY TYPE: COPPER CABLE				STUDY YR: 1995
CITY / AREA: CINCINNATI		DESIGN TYPE: SUBFEEDER SEGMENT				TEST CASE: 1995
STATE / PROV: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE				DATE: 1
						LAST UPDATE: 30-Oct-95
						TIME: 07:42

DATA DESC.	(DISTRIBUTION TO CODE) CABLE TYPE MIX (p...fdr)	PER FOOT INVESTMENT (pfi...fd)	CABLE GAUGE MIX (copper...fdr)	ADJUSTED CABLE TYPE	ADJUSTED PFI
CHARACTERISTICS FOR:					
AERIAL @ 26 GA.	[A] 0.810000	[B] \$ 0.011300	[C] 0.1500	[D=A*C] 0.121500	[E=B*C] \$ 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	\$ 0.016065
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

--- TABLE 2 ---

DATA DESC.	CABLE TYPE MIX RANGE NAME	MELDED GAUGES
CHARACTERISTICS FOR:		
AERIAL	[F=sum(D*TYPE)]	0.810000
BURIED		0.040000
UNDERGRND		0.150000
Check =		1.000000

--- TABLE 4 ---

PAIR /FOOT INVESTMENT RANGE NAME	MELDED GAUGES
[G=sum(E*TYPE)]	
	\$ 0.011300
	\$ 0.018900
	\$ 0.012000

--- TABLE 6 ---

PAIR /FOOT INVESTMENT RENORMALIZED AERIAL/BURIED	MELDED GAUGES
[H=TYPE / sum(F)]	
	\$ 0.001695
	\$ 0.002835
	\$ 0.001800
Check =	
	1.000000

Check = 1.00

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Check = 1.000000

FOOTNOTES

C:\123R24\LCATR04\FACILITY		LOOP COST ANALYSIS TOOL		Bellcore (R)	
TABLE - SPAN_INV SHEET 3 / 4		LOOP FACILITY INPUT COPPER PAIRGAIN CABLE DATA		LCAT Rel: 1.0.4 Issued: 07/31/95	
COMPANY: CINCINNATI BELL TEL.		FOR		STUDY YR: 1996	
CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1996		TEST CASE: 1	
STATE/PROV: OHIO		LOOP STUDY YEAR: 1996		LAST UPDATE: 30-Oct-96	
		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE		TIME: 07:42	
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 Green Wire). Then the Derived Pairs would be the Sum of the Pairs divided by the Working Channels Or $(10 + 2) / 96 = 0.125$. When applied to segment length it becomes the Effective Length per Pair.					

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TABLE - SPAN_INV
SHEET 3 / 4

HELP SCREEN

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

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

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CA123R24\LCATR044\FACILITY.WK1		LOOP COST ANALYSIS TOOL		Bellcore (R)	
SPAN INV - WORKSHEET Sheet 3 / 3		COPPER CABLE DISTRIBUTIONS MELDING WORKSHEET B		LCAT Ver: 1.0.4 Issue Date: 07/31/95 STUDY YR: 1996 TEST CASE: 1996 DATE: 1 LAST UPDATE: 30-Oct-96 TIME: 07:42	
COMPANY: CINCINNATI BELL TEL. CITY / AREA: OHIO STATE / PROV: CINCINNATI		FOR FACILITY TYPE: COPPER CABLE for DLC DESIGN TYPE: FEEDER SEGMENT			
		SERVICE CLASS: BAND 3 -- PUBLIC COIN PHONE			
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 BY CODE	REPEATER BY GAUGE	WORKING CHANNEL INVESTMENT / FOOT	FOR DLC Gauge: 24.00 - TABLE 4 - WORKING CHANNEL INVESTMENT / FOOT	
DESCRIPTION	2 * (PF1cgg) [D]	(RPTR cgg) [E=C]	(ADLCFF1cgg) [F=C/D]	(ADLCFF1c) [G=C/D]	
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\LCATR044\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 - PUBLIC COIN PHONE		STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 30-Oct-96 TIME: 07:42								
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>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; border-collapse: collapse;"> <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; border-collapse: collapse;"> <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; border-collapse: collapse;"> <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	0.0000	Per Install for a non-building Network Cable	\$ 0.00									

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\\LCATR044\FACILITY
SPAN_INV
14

HELP SCREEN

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

term These terminals may include the Serving Area Interface Cross Box, Drop Wire Block, and/or the Network
term 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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LOOP COST ANALYSIS TOOL

Bellcore

TABLE - FACTORS
SHEET 1 / 1

INVESTMENT RELATED FACTOR TABLES

LCAT Rel: 1.0.4

Issued: 3/31/95

ANNUALIZATION FACTORS

INVESTMENT YEAR: 1996

STUDY YEAR: 1996

STUDY YR: 1996

TEST CASE: 1

LAST UPDATE: 17-Jan-97

TIME: 15:22

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

SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE

plant list

LAND
 BUILDING
 BLDG ENTRANCE CABLE
 INTRABLDG CABLE
 AERIAL CABLE (COPPER)
 BURIED CABLE (COPPER)
 UNDERGROUND (CU) CA.
 CO EQPT - LOW CAP TERM
 CO EQPT - LOW CAP CHAN
 CO EQPT - HI CAP TERM
 CO EQPT - HI CAP CHAN
 CO EQPT - ANALOG SW
 CO EQPT - DIGITAL SW
 AERIAL CABLE (FIBER)
 BURIED CABLE (FIBER)
 UNDERGROUND (FO) CA.
 CONNECTORS
 MISC. COM EQP & PWR
 POLE LINE
 CONDUIT

PRICE
INDEXANNUAL
COST

1.0000	0.2322
1.0000	0.2937
1.0000	0.3922
1.0000	0.3922
1.0000	0.4033
1.0000	0.3467
1.0000	0.3663
1.0000	0.3881
1.0000	0.3881
1.0000	0.3881
1.0000	0.3881
1.0000	0.0000
1.0000	0.3458
1.0000	0.2983
1.0000	0.2724
1.0000	0.2689
1.0000	0.3881
1.0000	0.3881
1.0000	0.3807
1.0000	0.2521

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C:\123R24\LCATR044\INVEST		LOOP COST ANALYSIS TOOL				Belcore (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: 1998				STUDY YR : 1998	
CITY / AREA : CINCINNATI		SERVICE LEVEL: NARBAND				TEST CASE : 1	
STATE / PROV : OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE				LAST UPDATE: 30-Oct-96 07:43	
EQUIPMENT INVESTMENT (Including Engineer, Furnish, & Install Costs)							
		CENTRAL OFFICE			REMOTE LOCATION		
		LINE	CHANNEL	TERMINAL	CHANNEL	TERMINAL	
AIR DRYERS INVESTMENT:							
For an AERIAL Installed Cable Pair				\$ 0.00			
For a BURIED Installed Cable Pair				\$ 0.00			
For an UNDERGROUND Installed Cable Pair				\$ 0.00			
CENTRAL OFFICE TERMINATION INVESTMENT :							
For each cable pair associated with twisted pair copper cable				\$ 0.00			
For each per cable pair associated with digital loop carrier technology				\$ 0.00			
COPPER LOOP CARRIER UNIT CIRCUIT INVESTMENT by SERVICE LEVEL :							
For each line repeater for one copper digroup (not svc lev)		\$ 0.00					
For an Office Repeater Bay for a T1 Line		\$ 0.00					
For a Universal DLC Equipment Arrangement		\$ 0.00	\$ 181.35	\$ 24.29	\$ 238.42	\$ 103.93	
For an Integrated DLC Equipment Arrangement		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
FIBER OPTIC MULTIPLEXERS UNIT CIRCUIT INVESTMENT by SERVICE LEVEL :							
1. For a Hub with nonFiber Extensions or nonHub Arrangement		\$ 36.99		\$ 2.40	\$ 36.99	\$ 2.40	
2. For a Hub with Fiber Extensions or a Fiber Ended Arrangement		\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	
3. For a Fiber HUB and Fiber Remote Terminal Arrangement		\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	
4. For Fiber Ring Hub Arrangements (Extensions)		\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00	
CEV HOUSING per CIRCUIT by SERVICE LEVEL :							
For CEV's used as fiber hubs for FO Multiplexer equipment							\$ 0.00
For CEV's used as remote terminals for CDLC equipment							\$ 0.00
[Unit Investment denotes average weighted unit E.F.] Investment at DS0, DS1, or DS3 service equiv.]							

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C:\123R24\LCATR044\INVEST.WK1

TABLE - EQUIP_INV

HELP INFORMATION

Bellcore™

LCAT Rel: 1.0.4

Issued: 07/31/95

LCAT Commands Description

This Command will allow the User -

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

Line Items Description

This Equipment Item Represents -

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

See Circuit Designs :

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

NOTE: THE DATA VALUES FOR THESE ITEMS SHOULD ALWAYS REPRESENT
 THE CIRCUIT EQUIVALENTS FOR THE BANDWIDTH DEDICATED TO 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\LCATR044\LOADING		LOOP COST ANALYSIS TOOL		Bellcore [®]
TABLE - ADDNL_INV Sheet 1 of 2 COMPANY: CINCINNATI BELL TEL CITY / AREA: CINCINNATI STATE: OHIO		INVESTMENT RELATED FACTOR TABLES ADJUSTMENT AND LOADING FACTORS FOR INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - PUBLIC COIN PI		LCAT Ver: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 30-Oct-96 TIME: 07:44
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		1.0000
Conduit	1.0000	Comm. Svc. Cab.		1.0000
				1.0000

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TABLE - ADDNL_INV
Sheet 1 of 2

HELP SCREEN**Belcore** (M)

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.

***** 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\LCATR044\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 - PUBLIC COIN PHONE		LCAT Rel: 1.0.4 Issued: 3/31/95 STUDY YR: 1996 TEST CASE: 1 LAST UPDATE: 30-Oct-96 TIME: 07:44																																																																
SEGMENT DISTRIBUTION FEEDER POLE LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Copper Cable Pole Investment Factor</td> <td style="width: 10%; text-align: center;">0.2530</td> <td style="width: 30%; text-align: center;">0.2530</td> </tr> <tr> <td>Copper Cable Pole Unit Investment</td> <td></td> <td></td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Fiber Cable Pole Investment Factor</td> <td style="text-align: center;">0.1965</td> <td style="text-align: center;">0.1965</td> </tr> <tr> <td>Fiber Cable Pole Unit Investment</td> <td></td> <td></td> </tr> </table> CONDUIT LOADINGS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Copper Cable Conduit Investment Factor</td> <td style="width: 10%; text-align: center;">0.5165</td> <td style="width: 30%; text-align: center;">0.5165</td> </tr> <tr> <td>Copper Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Fiber Cable Conduit Investment Factor</td> <td style="text-align: center;">0.5232</td> <td style="text-align: center;">0.5232</td> </tr> <tr> <td>Fiber Cable Conduit Unit Investment</td> <td></td> <td></td> </tr> </table>		Copper Cable Pole Investment Factor	0.2530	0.2530	Copper Cable Pole Unit Investment						Fiber Cable Pole Investment Factor	0.1965	0.1965	Fiber Cable Pole Unit Investment			Copper Cable Conduit Investment Factor	0.5165	0.5165	Copper Cable Conduit Unit Investment						Fiber Cable Conduit Investment Factor	0.5232	0.5232	Fiber Cable Conduit Unit Investment			DROP WIRE (DW) INVESTMENT ADJUSTMENT: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">The Cable PFI is being Adjusted for DW ?</td> <td style="width: 20%; text-align: center;">NO</td> </tr> <tr> <td>Aerial Cable</td> <td></td> </tr> <tr> <td>Buried Cable</td> <td></td> </tr> <tr> <td>Underground Cable</td> <td></td> </tr> </table> use <u>DEFAULT</u> ① ② for: <u>CENT. OFC.</u> <u>REMOTE SITE</u> LAND LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Other or <u>ALL</u> ①</td> <td style="width: 10%; text-align: center;">0.0056</td> <td style="width: 20%; text-align: center;">0.0056</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.0056</td> <td style="text-align: center;">0.0056</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.0056</td> <td style="text-align: center;">0.0056</td> </tr> </table> BUILDING LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Other or <u>ALL</u> ①</td> <td style="width: 10%; text-align: center;">0.1316</td> <td style="width: 20%; text-align: center;">0.1316</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.1316</td> <td style="text-align: center;">0.1316</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.1316</td> <td style="text-align: center;">0.1316</td> </tr> </table> COMMUNICATIONS EQUIPMENT & POWER LOADING FACTORS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Other or <u>ALL</u> ①</td> <td style="width: 10%; text-align: center;">0.1127</td> <td style="width: 20%; text-align: center;">0.1127</td> </tr> <tr> <td>Digital Loop Carrier</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> <tr> <td>Fiber Optic Mux</td> <td style="text-align: center;">0.1127</td> <td style="text-align: center;">0.1127</td> </tr> </table>		The Cable PFI is being Adjusted for DW ?	NO	Aerial Cable		Buried Cable		Underground Cable		Other or <u>ALL</u> ①	0.0056	0.0056	Digital Loop Carrier	0.0056	0.0056	Fiber Optic Mux	0.0056	0.0056	Other or <u>ALL</u> ①	0.1316	0.1316	Digital Loop Carrier	0.1316	0.1316	Fiber Optic Mux	0.1316	0.1316	Other or <u>ALL</u> ①	0.1127	0.1127	Digital Loop Carrier	0.1127	0.1127	Fiber Optic Mux	0.1127	0.1127
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TABLE - ADDNL_INV
Sheet 2 of 2

HELP SCREEN

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

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C:\123R24\LCATR044\SPAN		LOOP COST ANALYSIS TOOL		Bellcore (P)
INPUT - PLANT_CHAR Sheet 1 / 5		LOOP FACILITY INPUT		LCAT Rel: 1.0.4
COMPANY: CINCINNATI BELL TEL		LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS		Issued: 07/31/95
CITY / AREA: CINCINNATI	INVESTMENT YEAR: 1996	FOR	STUDY YR: 1996	TEST CASE: 1
STATE / PROV: OHIO	LOOP STUDY YEAR: 1996	SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE	LAST UPDATE: 30-Oct-96	TIME: 07:49
FLAT RATE BASIS DATA WITHOUT COST BANDS FOR A NETWORK CIRCUIT CASE STUDY				
LOOP TOPOLOGY		ACTION SEGMENT		
Loop FEEDER Network Configuration is (S)tar Or (R)ing		PRIMARY STAR		
Average Number Of Hubs In Each Ring		PRIMARY NA		
Loop DISTRIBUTION Network Configuration is (S)tar or (B)us		DISTRIBUTION STAR		
SPAN LENGTHS				
①	Average Distance From the Central Office to the Service Access Point	TOTAL LOOP 27360.0		
②	Average Distance From the Serving Area Interface to the Service Access Point	DISTRIBUTION 3479.0		
③	Average Distance From the Remote Terminal to the Serving Area Interface	SUB-PRIMARY 300.0		
④	Average Distance From the Central Office to the Fiber Hub or S.A.I.	PRIMARY 23561.0		
⑤	Average Distance From the Fiber Hub to the Remote Terminal	PRIMARY-EXTENSION		
LOOP LENGTH AT EACH COST BAND		DISTRIBUTION OF COST BANDS IN THE NETWORK		
BAND 1		BAND 1		
BAND 2		BAND 2		
BAND 3		BAND 3		
BAND 4		BAND 4		
BAND 5		BAND 5		
LAST 27360.0		CONFIDENTIAL NOTICE MUST BE GIVEN PRIOR TO RELEASE TO PUBLIC PROVIDED TO PUCO		

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C:\123R24\LCATR044\SPAN		LOOP COST ANALYSIS TOOL		Belcore (R)
INPUT - PLANT_CHAR.		LOOP FACILITY INPUT		LCAT Rel : 1.0.4
Sheet 1 / 1		LOOP LENGTH CRITERIA AND NETWORK CHARACTERISTICS		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 : 30-Oct-96
		SERVICE CLASS : BAND 3 - PUBLIC COIN PHONE		TIME : 07:49
<u>FLAT RATE BASIS DATA WITHOUT COST BANDS</u> <u>FOR A NETWORK CIRCUIT CASE STUDY</u>				
<u>LOOP LENGTH</u> ① 27360 FEET				
DROP DISTRIBUTION FEEDER ② ③				
3479 FEET 300.0 FEET 23581 FEET				
SUB-PRIMARY FIBER DISTRIBUTION PRIMARY				
④ ⑤ ⑥				
NETWORK INTERFACE SERVICE ACCESS POINT SERVING AREA INTERFACE REMOTE TERMINAL (LOOP MULTIPLE INTERFACE) REMOTE NODE (LOOP TRANSFER) FIBER HUB END OFFICE				
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LOOP COST ANALYSIS TOOL		Belcore [®]
C:\123R24\LCATR044\SPAN	LOOP FACILITY INPUT HELP SCREEN	LCAT Rel : 1.0.4 Issued : 07/31/95
INPUT - PLANT - CHAR. Sheet 1 of 2		
AVERAGE NETWORK STUDY -	This mode of LCAT is used where the cost study may be broad in scope and lack sufficient detail data to use the Loop OSP cost calculators on Sheets 2, 3, and 4. Instead, it relies on table data from the FACILITY file, representing jurisdictional average value mixes or proportions. Input for these values is placed on Sheet 1.	
INDIVIDUAL CIRCUIT STUDY -	This mode of LCAT is used to cost study circuit specifics on an Individual Circuit Basis for Request For Proposals, Special Constructions, and CENTREX-like Services. Data input is usually actual per the circuit configuration's span by span requirements as detailed by Product Management. This mode will require the use of the Loop OSP calculators on Sheets 2, 3, and 4.	
DATA SAMPLE NETWORK STUDY -	This mode of LCAT functions well with the Loop OSP cost calculators on Sheets 2, 3, and 4. The data samples are inputted on the sheets cumulatively and cost calculated directly. Then the weightings formulae are applied to create an average weighted Loop cost per pair foot.	
BANDWIDTH AVERAGING -	This feature of LCAT permits study level weighting of fiber multiplexer bandwidth transport. The range of multiplexers goes from 1.5 Mbps through 1.7 Gbps and designating the mix of usage develops a more precise unit investment to the feeder calculations.	
***** THE INPUT DATA NAMES IN RED CROSS - REFERENCE TO THEIR DATA CATALOG NAMES ***** ***** PLEASE REFER TO THE USER MANUAL FOR SPECIFIC INFORMATION *****		
PRESS 'ENTER' TO RETURN TO THE MAIN MENU		

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LOOP COST ANALYSIS TOOL		Belcore [®]
C:\123R24\LCAT\R044\SPAN		LCAT Rev: 1.0.4
INPUT - PLAN - CHAR.		Issued: 07/31/95
Sheet 2 of 2		
<u>HELP SCREEN</u>		
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\LCATR044\SPAN		LOOP COST ANALYSIS TOOL				Bellcore (R)	
INPUT - PLANT CHAR.		LOOP FACILITY INPUT				LCAT Rel: 1.0.4	
Sheet 2a / 5		FIBER OPTIC CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER				Issued: 07/31/95	
COMPANY: 0		INVESTMENT YEAR: 1996		STUDY YR: 1996		TEST CASE: 1	
CITY / AREA: 0		LOOP STUDY YEAR: 1996		LAST UPDATE: 30-Oct-96		TIME: 07:49	
STATE / PROV: 0		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE					
NETWORK CIRCUIT LAYOUT STUDIES				WORKSHEET A			
		AERIAL FIBER		BURIED FIBER		UNDERGROUND FIBER	
CAPACITY		CUMULATIVE	EFFECTIVE	CUMULATIVE	EFFECTIVE	CUMULATIVE	EFFECTIVE
[C]		FEEDER	LENGTH BY	FEEDER	LENGTH BY	FEEDER	LENGTH BY
idx		LENGTH	PAIR FOOT	LENGTH	PAIR FOOT	LENGTH	PAIR FOOT
		[D _A]	[E _A]	[D _B]	[E _B]	[D _U]	[E=D/C]
4	FIBER CABLE 2 pr		0.0		0.0		0.0
6	FIBER CABLE 3 pr		0.0		0.0		0.0
12	FIBER CABLE 6 pr		0.0		0.0		0.0
18	FIBER CABLE 9 pr		0.0		0.0		0.0
24	FIBER CABLE 12 pr		0.0		0.0		0.0
36	FIBER CABLE 18 pr		0.0		0.0		0.0
48	FIBER CABLE 24 pr		0.0		0.0		0.0
60	FIBER CABLE 30 pr		0.0		0.0		0.0
72	FIBER CABLE 36 pr		0.0		0.0		0.0
84	FIBER CABLE 42 pr		0.0		0.0		0.0
96	FIBER CABLE 48 pr		0.0		0.0		0.0
144	FIBER CABLE 72 pr		0.0		0.0		0.0
192	FIBER CABLE 96 pr		0.0		0.0		0.0
216	FIBER CABLE 108 pr		0.0		0.0		0.0
CUMULATIVE LENGTHS OF FEEDER:				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	
UNOGRD FIBER SUBTOTAL		0		UNOGRD FIBER SUBTOTAL		0.0	
FIBER SUBTOTAL		0		FIBER SUBTOTAL		0.0	

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C:\123R24\LCATR044\SPAN		LOOP COST ANALYSIS TOOL				Bellcore [®]	
PLANT CHAR - WORKSHEET 28 Sheet 2b / 5		LOOP FACILITY INPUT FIBER OPTIC CABLE SPAN INVESTMENT FOR THE FEEDER LAYER				LCAT Rel : 1.0.4 Issued : 07/31/95	
COMPANY: CINCINNATI BELL TEL.		INVESTMENT YEAR: 1996		STUDY YR : 1996		TEST CASE : 1	
CITY / AREA: CINCINNATI		LOOP STUDY YEAR: 1996		LAST UPDATE: 30-Oct-96		TIME: 07:49	
STATE: OHIO		SERVICE CLASS: BAND 3 - PUBLIC COIN PHONE					
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 TOTAL		\$ 0.00 TOTAL		\$ 0.00 TOTAL

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LOOP COST ANALYSIS TOOL

Bellcore

INPUT - PLANT_CHAR.
Sheet 3a / 5LOOP FACILITY INPUT
COPPER CABLE SPAN CHARACTERISTICS FOR THE FEEDER LAYER
FORLCAT Rel: 1.0.4
Issued: 07/31/95
STUDY YR: 1996
TEST CASE: 1
LAST UPDATE: 30-Oct-95
TIME: 07:49COMPANY: CINCINNATI BELL TEL.
CITY / AREA: CINCINNATI
STATE / PROV: OHIOINVESTMENT YEAR: 1996
LOOP STUDY YEAR: 1996
SERVICE CLASS: BAND 3 - PUBLIC C

NETWORK CIRCUIT LAYOUT STUDIES

WORKSHEET A

CUMULATIVE LENGTHS BY CABLE PAIR FOOT

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

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C:\123R24\LCATR044\SPAN			LOOP COST ANALYSIS TOOL									Bellcore	
PLANT CHAR - WORKSHEET 38 Sheet 3a / 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: 30-Oct-96 TIME: 07:48	
SERVICE CLASS: BAND 3 - PUBLIC C													
NETWORK CIRCUIT LAYOUT STUDIES													
WORKSHEET B													
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT													
CABLE SHEATH SIZES		CAPACITY idx	26 GA.			24 GA.			22 GA.				
			AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD		
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		\$ 0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		\$ 0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		\$ 0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		\$ 0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		\$ 0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		\$ 0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00				
BURIED CABLE SUBTOTAL				0.00			0.00			0.00			
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00		

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C:\123R24\LCATR044\SPAN		LOOP COST ANALYSIS TOOL			Bellcore					
INPUT - PLANT_CHAR. Sheet 4a / 5		LOOP FACILITY INPUT COPPER CABLE SPAN CHARACTERISTICS FOR THE DISTRIBUTION LAYER			LCAT Rel : 1.0.4 Issued : 07/31/95					
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI STATE / CC: OHIO		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996 SERVICE CLASS: BAND 3 - PUBLIC C			STUDY YR : 1996 TEST CASE : 1 LAST UPDATE: 30-Oct-96 TIME: 07:49					
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
										dstucprf
										0.0
										dstucprf
										0.0
										dstucprf
										0.0

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C:\123R24\LCATR044\SPAN		LOOP COST ANALYSIS TOOL						Belcore			
PLANT CHAR - WORKSHEET 4B Sheet 4b / 5		LOOP FACILITY INPUT COPPER CABLE SPAN INVESTMENT FOR THE DISTRIBUTION LAYER FOR						LCAT Rel : 1.0.4 Issued : 07/31/95			
COMPANY: CINCINNATI BELL TEL. CITY / AREA: CINCINNATI		INVESTMENT YEAR: 1996 LOOP STUDY YEAR: 1996						STUDY YR : 1996 TEST CASE : 1			
STATE: OHIO		SERVICE CLASS: BAND 3 - PUBLIC CI						LAST UPDATE: 30-Oct-95 TIME: 07:49			
NETWORK CIRCUIT LAYOUT STUDIES											
WORKSHEET B											
CUMMULATIVE INVESTMENTS BY CABLE PAIR FOOT											
CABLE SHEATH SIZES		CAPACITY	26 GA.			24 GA.			22 GA.		
		idx	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD	AERIAL	BURIED	UNDGRD
40 COPPER CABLE	20 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 COPPER CABLE	25 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80 COPPER CABLE	40 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 COPPER CABLE	50 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140 COPPER CABLE	70 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 COPPER CABLE	100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 COPPER CABLE	200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 COPPER CABLE	300 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 COPPER CABLE	400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200 COPPER CABLE	600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800 COPPER CABLE	900 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400 COPPER CABLE	1200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000 COPPER CABLE	1500 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600 COPPER CABLE	1800 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200 COPPER CABLE	2100 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800 COPPER CABLE	2400 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400 COPPER CABLE	2700 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000 COPPER CABLE	3000 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7200 COPPER CABLE	3600 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8400 COPPER CABLE	4200 pr	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AERIAL CABLE SUBTOTAL			0.00			0.00			0.00		
BURIED CABLE SUBTOTAL				0.00			0.00			0.00	
UNDGRD CABLE SUBTOTAL					0.00			0.00			0.00

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Sheet 5 / 5

LOOP COST ANALYSIS TOOL

INPUT - PLANT_CHAR.

DIGITAL LOOP CARRIER CABLE PAIR EQUIVALENTS AND MIX

FOR

INVESTMENT YEAR : 1996

LOOP STUDY YEAR : 1996

SERVICE CLASS : BAND 3 - PUBLIC COIN PHONE

LCAT Rel : 1.0.4

Issued : 07/31/95

STUDY YR : 1996

TEST CASE : 1

LAST UPDATE : 30-Oct-96

TIME : 07:49

COMPANY: CINCINNATI BELL TEL

CITY / AREA: CINCINNATI

STATE/ PROV: OHIO

FIBER BANDWIDTH

TRANSMISSION FLOW IS : ☒ UNIDIRECTIONAL

☐ BIDIRECTIONAL

LEVEL OF SERVICE :

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

FOOTNOTES

1 Where Service Level Multiple EQUALS (1 for NARBAND, 28 for WIDEBAND, 672 for PRO BAND) TIMES (2 for Unidirectional and 1 for Bidirectional).

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

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PLANT CHAR. - WORKSHEET DS
Sheet 1 / 1

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

LCAT Rel: 1.0.4
Issued: 07/31/95
STUDY YR: 1995
TEST CASE: 1
LAST UPDATE: 30-Oct-95
TIME: 07:49

WORKSHEET DS

DIGITAL SIGNAL TABLE (digsig.tbl)						
SELECT	MODE	HIERARCHY	BANDWIDTH	DS1MULT	DS3MULT	VEGE MEDIA
0						
1		DS1	1.5 Mbps	1	0.04	24 BIDIR 2WCU CA
2		DS1	1.5 Mbps	1	0.04	24 UNDIR 2WCU CA
3	MODE3	V11	1.5 Mbps	1	0.04	24 UNDIR FIBER
4		V12	2 Mbps	1	0	UNDIR FIBER
5		E1	2 Mbps	1	0.08	30 BIDIR 2WCU CA
6	MODE1	DS1C	3.2 Mbps	NA		48 BIDIR 2WCU CA
7	MODE2	DS1C	3.2 Mbps	2	0.07	48 BIDIR 2WCU CA
8		V13	3.2 Mbps	2	0.07	56 UNDIR FIBER
9		E2	4 Mbps	2	0	60
10		DS2	6.3 Mbps	4	0.14	72 BIDIR 2WCU CA
11	MODE4	DS2	6.3 Mbps	NA	0	72 BIDIR 2WCU CA
12		V16	6.3 Mbps	4	0.14	84 UNDIR FIBER
13		E3	8 Mbps	4	0.25	120 BIDIR 2WCU CA
14		E3	34 Mbps	16	1	480
15	X	US3	45 Mbps	28	1	672 BIDIR 2WCU CA
16		OC1	50 Mbps	28	1	672 UNDIR FIBER
17	X		90 Mbps	2	2	1344 UNDIR FIBER
18			90 Mbps	2	2	1344 BIDIR MW RADIO
19		DS4	135 Mbps	3	3	2016 UNDIR FIBER
20			135 Mbps	3	3	2016 BIDIR MW RADIO
21		US4NA	139 Mbps	3	3	2016 UNDIR FIBER
22		E4	140 Mbps	3	3	1920 UNDIR FIBER
23		14M	139 Mbps	6	6	4032 BIDIR COAX
24		P140	139 Mbps	6	6	4032 BIDIR COAX
25	X	OC3	155 Mbps	3	3	2016 UNDIR FIBER
26	X		180 Mbps	4	4	2688 UNDIR FIBER
27			417 Mbps	9	9	6048 UNDIR FIBER
28		OC9	466 Mbps	9	9	6048 UNDIR FIBER
29		OC12	560 Mbps	12	12	8064 UNDIR FIBER
30			565 Mbps	12	12	8064 UNDIR FIBER
31			1.2 Gbps	16	16	16128 UNDIR FIBER
32			1.7 Gbps	24	24	24192 UNDIR FIBER
33		OC24	1.8 Gbps	24	24	24192 UNDIR FIBER
34			2.5 Gbps	32	32	32256 UNDIR FIBER
35						
36						
0	1	2	3	4	5	7
OFFSET						

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PLANT CHAR. - WORKSHEET F
Sheet 1 of 1

LOOP LENGTH DEVELOPMENT WORKSHEET

LCAT Rel : 1.0.4

Issued : 07/31/95

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

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

STUDY YR.: 1996
TEST CASE: 1
LAST UPDATE: 30-Oct-96
TIME: 07:49

A B	DISTANCE INCREMENTS: NUMBER OF BANDS:	0 / 4 MILE BETWEEN BANDS 0 TO BE CARRIED INTO THE STUDY	R K	ROUTE TO AIR RATIO: UNIT MILE / FEET CONSTANT:	1.539947 1320	ratio
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		0	0	
2		0		0	0	
3		0		0	0	
4		0		0	0	
5		0		0	0	

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ERROR MESSAG

0

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

**OHIO ONLY
3 Geographic Areas**

07/26/96
Revised

Band 1

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

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

Band 2

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

6,697	1,836	8,534	5,698	1,013	6,711
69			90		
19,582	2,699	22,282	21,785	1,989	23,774
70			74		
0.4964			0.5488		
0.5036			0.4512		
1.0000			1.0000		

Band 3

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

4,845	1,981	6,825	5,542	1,095	5,608
46			41		
23,301	4,826	28,127	20,881	3,479	27,360
56			30		
0.4510			0.5775		
0.5490			0.4225		
1.0000			1.0000		

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REMOTE CALL FORWARDING (RCF)
(TELRIC)

MCI Depo.
EX No. 35
DJH 11-26-97

Remote Call Forwarding Feature

Switching Cost Summary

Remote Call Forwarding

Additional Call Path(s)

\$ 12.8749 1
\$ 0.5094 2
PROVIDED TO PUCO

Sources: Line 1, - See Tab A, Page 1A, Line 19
Line 2, - See Tab A, Page 1B, Line 19

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CINCINNATI BELL TELEPHONE CO.

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DESTROY BY SHREDDING

3/10/97 8:02 AM

Remote Call Forwarding Cost per Line		
Description A	Sources B	Total C
1) SCIS Investment	See Tab A, Page 5, Line H	\$ 33.53859
2) SCIS Spare Capacity	Tab A, Page 2, Line H minus Line 1	\$ 47.69743
3) Filled Investment	Line 1 + Line 2	\$ 81.23602
4) Telco Engineering Factor	Network Engineering	11.5%
5) Installed Investment	Line 3 * (1 + Line 4)	\$ 90.5782
6) Pwr & Cmn Eqpt Factor	Factor File (1994)	1.0721
7) Total Digital Switch Investment (377c)	Line 5 * Line 6	\$ 97.1088
8) Annual Charge Factor (377c)	See Tab A, Page 9, Col J / 100	\$ 0.3165
9) Monthly Cost (377c)	Line 7 * Line 8 / 12	\$ 2.5616
10) Land Factor	Factor File (1994)	0.0056
11) Land Investment (20jc)	Line 7 * Line 10	\$ 0.5438
12) Annual Charge Factor (20jc)	1997 TELRIC Annual Charge % Intrastate Ohio - 1/19/97	0.2232
13) Monthly Cost (20jc)	Line 11 * Line 12 / 12	\$ 0.0101
14) Bldg Factor	Factor File (1994)	0.1316
15) Bldg Investment (10jc)	Line 7 * Line 14	\$ 12.7795
16) Annual Charge Factor (10jc)	1997 TELRIC Annual Charge % Intrastate Ohio - 1/19/97	0.2847
17) Monthly Cost (10jc)	Line 15 * Line 16 / 12	\$ 0.3032
18) Total Investment	Line 7 - Line 11 + Line 15	\$ 110.4322
19) Total Monthly Cost	Line 9 - Line 13 + Line 17	\$ 2.8749

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DESTROY BY SHREDDING

Additional Call Path		
Description A	Sources B	Total C
1) SCIS Investment	See Tab A, Page 5, Line A. - Line C	\$ 8.20983
2) SCIS Spare Capacity	Tab A, Page 2, Line A. + Line C, minus Line 1	\$ 6.18365
3) Filled Investment	Line 1 + Line 2	\$ 14.39348
4) Telco Engineering Factor	Network Engineering	11.5%
5) Installed Investment	Line 3 * (1 + Line 4)	\$ 16.0487
6) Pwr & Cmn Eqpt Factor	Factor File (1994)	1.0721
7) Total Digital Switch Investment (377c)	Line 5 * Line 6	\$ 17.2058
8) Annual Charge Factor (377c)	See Tab A, Page 9, Col J / 100	\$ 0.3165
9) Monthly Cost (377c)	Line 7 * Line 8 / 12	\$ 0.4539
10) Land Factor	Factor File (1994)	0.0056
11) Land Investment (20jc)	Line 7 * Line 10	\$ 0.0964
12) Annual Charge Factor (20jc)	1997 TELRIC Annual Charge %, Intrastate Ohio - 1/19/97	0.2232
13) Monthly Cost (20jc)	Line 11 * Line 12 / 12	\$ 0.0018
14) Bldg Factor	Factor File (1994)	
15) Bldg Investment (10jc)	Line 7 * Line 14	2.2643
16) Annual Charge Factor (10jc)	1997 TELRIC Annual Charge %, Intrastate Ohio - 1/19/97	0.2347
17) Monthly Cost (10jc)	Line 15 * Line 16 / 12	0.0537
18) Total Investment	Line 7 + Line 11 + Line 15	\$ 19.5665
19) Total Monthly Cost	Line 9 + Line 13 + Line 17	\$ 0.5094

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DESTROY BY SHREDDING

CINCINNATI BELL TELEPHONE
SCIS/IN Features 2.1
Feature: 33. Remote Call Forwarding

Report: Average

Calculation: Avg. E,F&I

State: CBT Input File: (untitled)

Date: 05/23/96 09:57

Technology: Weighted

Investment Category	Variable	Direct Fixed per Line	Shared Fixed per Line	Direct Fixed per Office	Shared Fixed per Office
A. Getting Started	0.02821	No Inv..	10.44241		
B. CCS	No Inv..	No Inv..	No Inv..		
C. Call	3.92286	No Inv..	No Inv..		
D. Minimum per Li	66.84254	No Inv..	No Inv..		
E. Hardware	No Inv..	No Inv..	No Inv..		
F. Memory	No Inv..	No Inv..	No Inv..		
G. SSP Octet	No Inv..	No Inv..	No Inv..		
H. Total End Offi	70.79361	No Inv..	10.44241	NA	NA

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TOTAL Investment: per Line 81.23602 per Office NA

SESS Technology Mix: 95.00 %
DMS-10 Technology Mix: 5.00 %

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CINCINNATI BELL TELEPHONE
SCIS/IN Features 2.1
Feature: 33. Remote Call Forwarding

Report: Average

Calculation: Avg. E,F&I

State: CBT

Input File: (untitled)

Date: 05/23/96 09:57

Technology: SESS

(SE CBT :01-26-96 (SE9.2, 02-95))

Investment Category	Variable	Direct Fixed per Line	Shared Fixed per Line	Direct Fixed per Office	Shared Fixed per Office
A. Getting Started	0.00000	No Inv.	10.51694		
B. CCS	No Inv.	No Inv.	No Inv.		
C. Call	4.12932	No Inv.	No Inv.		
D. Minimum per Li	70.36057	No Inv.	No Inv.		
E. Hardware	No Inv.	No Inv.	No Inv.		
F. Memory	No Inv.	No Inv.	No Inv.		
G. SSP Cost	No Inv.	No Inv.	No Inv.		
H. Total End Offi	74.48990	No Inv.	10.51694		NA

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TOTAL Investment:

per Line 85.00684

per Office NA

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CINCINNATI BELL TELEPHONE
SCIS/IN Features 2.1
Feature: 33. Remote Call Forwarding

Report: Average

Calculation: Avg. E,F&I

State: CBT

Input File: (untitled)

Date: 05/23/96 09:57

Technology: DMS-10 (DMS10 :01-26-96 (408.1, 11-95))

Investment Category	Variable	Direct Fixed per Line	Shared Fixed per Line	Direct Fixed per Office	Shared Fixed per Office
A. Getting Started	0.56415	No Inv.	9.02644		
B. CCS	No Inv.	No Inv.	No Inv.		
C. Call	No Inv.	No Inv.	No Inv.		
D. Minimum per Li.	No Inv.	No Inv.	No Inv.		
E. Hardware	No Inv.	No Inv.	No Inv.		
F. Memory	No Inv.	No Inv.	No Inv.		
G. SSP Octet	No Inv.	No Inv.	No Inv.		
H. Total End Offi	0.56415	No Inv.	9.02644		NA

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TOTAL Investment:

per Line 9.59060

per Office NA

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CINCINNATI BELL TELEPHONE
SCIS/IN Features 2.1
Feature: 33. Remote Call Forwarding

Report: Marginal Direct; Marginal

Calculation: Marg-Direct E,F&I

State: CBT

Input File: (untitled)

Date: 05/23/96 09:57

Technology: Weighted

Investment Category	Variable	Direct Fixed per Line	Shared Fixed per Line	Direct Fixed per Office	Shared Fixed per Office
A. Getting Started	4.28697			No Inv.	No Inv.
B. CCS	No Inv.			No Inv.	No Inv.
C. Call	3.92286			No Inv.	No Inv.
D. Minimum per Li	25.32876			No Inv.	No Inv.
E. Hardware	No Inv.			No Inv.	No Inv.
F. Memory	No Inv.			No Inv.	No Inv.
G. SSP Octet	No Inv.			No Inv.	No Inv.
H. Total End Offi	33.53859	NA	NA	No Inv.	No Inv.

TOTAL Investment: per Line 33.53859

per Office No Inv.

SESS Technology Mix: 95.00 %

DMS-10 Technology Mix: 5.00 %

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CINCINNATI BELL TELEPHONE
SCIS/IN Features 2.1
Feature: 33. Remote Call Forwarding

Report: Marginal Direct; Marginal

Calculation: Marg-Direct E,F&I

State: CBT

Input File: (untitled)

Date: 05/23/96 09:57

Technology: SESS (SE CBT :01-26-96 (SE9.2, 02-95))

Investment Category	Variable	Direct Fixed per Line	Shared Fixed per Line	Direct Fixed per Office	Shared Fixed per Office
A. Getting Started	4.31124			No Inv.	No Inv.
B. CCS	No Inv.			No Inv.	No Inv.
C. Call	4.12932			No Inv.	No Inv.
D. Minimum per Li	26.66186			No Inv.	No Inv.
E. Hardware	No Inv.			No Inv.	No Inv.
F. Memory	No Inv.			No Inv.	No Inv.
G. SSP Octet	No Inv.			No Inv.	No Inv.
H. Total End Offi	35.10242		NA	No Inv.	No Inv.

TOTAL Investment:

per Line 35.10242

per Office No Inv.

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CINCINNATI BELL TELEPHONE
SCIS/IN Features 2.1
Feature: 33. Remote Call Forwarding

Report: Marginal Direct; Marginal

Calculation: Marg-Direct E,F&I

State: CBT

Input File: (untitled)

Date: 05/23/96 09:57

Technology: DMS-10 (DMS10 :01-26-96 (408.1, 11-95))

Investment Category	Variable	Direct Fixed per Line	Shared Fixed per Line	Direct Fixed per Office	Shared Fixed per Office
A. Getting Starte	3.82585			No Inv.	No Inv.
B. CCS	No Inv.			No Inv.	No Inv.
C. Call	No Inv.			No Inv.	No Inv.
D. Minimum per Li	No Inv.			No Inv.	No Inv.
E. Hardware	No Inv.			No Inv.	No Inv.
F. Memory	No Inv.			No Inv.	No Inv.
G. SSP Cost	No Inv.			No Inv.	No Inv.
H. Total End Offi	3.82585	NA		No Inv.	No Inv.

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TOTAL Investment: per Line 3.82585 per Office No Inv.

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CINCINNATI BELL TELEPHONE

SCIS/IN Features 2.1

Feature: 33. Remote Call Forwarding

Calculation: Avg. E,F&I

State: CBT

Input File: (untitled)

Date: 05/23/96 09:57

Input #	Value	Description
IP1	1.50000	BH RCF calls per line

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PROVIDED TO PUCO

Annual Charge Development

Ohio - 37°C TELRIC

SVC LIFE	BOOK DEPN (A)	POST TAX INC (B)	INC TAX (C)	PROP TAX (D)	TOTAL CAPITAL COSTS (E) = (A..D)	MTCE (F)	MKTG SALES EXPENSE (G)	DIR ADM EXP (H)	TOTAL DIRECTLY ASSIGNED EXPENSE (Incl GRT) (J) = (E..I) + 1.0499
12	8.45	6.06	2.48	3.23	20.21	5.29	9.31	4.14	31.65

Source:

L1 - 1997 Annual Charge Development (Acct. 2212) 1/19/97 *

L1 (Col. F) - 1996 Annual Charge Development, MTCE, P5, Ln. C239

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FEB 23 1940

BOOKING DIVISION
Public Utilities Commission of Ohio

EXHIBIT NOs.
36-38

OHIO ONLY
REVISED JAN 1997 VERSION
BAND 1
RESIDENCE ISDN

MCE Dept.
EX. NO. 36
DJH 11-26-97

INDEX

BAND 1

Residence ISDN

Copper Study -	Results.....	Tab 1
	Outputs.....	Tab 2
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55C:\123R24\LCATR094\RESULTS1
OUTPUT - REPORT D
SHEET 1 of 1**LOOP COST ANALYSIS TOOL**
PROSPECTIVE INVESTMENT SUMMARY REPORTBellcore[®]LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 15:14COMPANY: CINCINNATI BELL TEL
CITY / AREA: CINCINNATI
STATE / PROV: OHIO
JOB IDENT: CINCINNATICIRCUIT DESIGN: TOTAL TECHNOLOGIES
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - RESIDENCE ISD
TOTAL LOOP LENGTH: 9688 FEET

Loop Span Set Weighting: 1 UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

WEIGHTED
TOTAL
LOOP

PLANT NAME	FEEDER	DISTRIBUTION NETWORK	
SEG. NAME	PRIMARY	EXTENSION	SUB-
EQPT			INTERFACE
PLANT CODE			
ITEM DESCRIPTION	SEG. LGTH.		
SHARED RESOURCES			
LAND	20C	\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00
POLE LINE	1C	\$ 0.00	\$ 0.00
CONDUIT	4C	\$ 0.00	\$ 0.00
DIRECT RESOURCES			
LAND	20C	\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.67
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 1.21
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 4.05
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00
POLE LINE	1C	\$ 0.00	\$ 0.16
CONDUIT	4C	\$ 0.00	\$ 0.61
SPAN SUMMARY		\$ 0.00	\$ 2.45
		\$ 0.00	\$ 16.19
		\$ 0.00	\$ 16.19

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C:\123R24\LCATR094\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) RESIDENCE ISDN STUDY 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	ANNQOST	TIME

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your report is ready for viewing

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CR123R24\LCATR094\RESULTS1
OUTPUT - WORKSHEET D
SHEET 1 of 10

LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY

Bellcore

LCAT Rel: 1.0.4
Issued: 7/31/95
STUDY YR: 1996
TEST CASE: 1
RUN DATE: 28-Jan-97
TIME: 15:14

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

CIRCUIT DESIGN: 1 CDLC
LOOP SPAN DIVISION: ALL LOOP SPANS
SERVICE CLASS: BAND 1 - RESIDENCE ISD
TOTAL LOOP LENGTH: 9688 FEET

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

PLANT NAME	FEEDER	DISTRIBUTION NETWORK	TOTAL	TOTAL
SEG. NAME	PRIMARY	EXTENSION	SUB-	INTERFACE
EQPT				
PLANT				
ITEM DESCRIPTION				
SHARED RESOURCES				
LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 0.00
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00
DIRECT RESOURCES				
LAND	20C	\$ 0.00	\$ 0.00	\$ 0.00
BUILDING	10C	\$ 0.00	\$ 0.00	\$ 0.00
BLDG ENTRANCE CABLE	12C	\$ 0.00	\$ 0.00	\$ 2.45
INTRABLDG CABLE	52C	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (COPPER)	22C	\$ 0.00	\$ 0.67	\$ 3.13
BURIED CABLE (COPPER)	45C	\$ 0.00	\$ 0.00	\$ 1.21
UNDERGROUND (CU) CA.	5C	\$ 0.00	\$ 4.05	\$ 1.72
CO EQPT - LOW CAP TERM	257C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - LOW CAP CHAN	257C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP TERM	857C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - HI CAP CHAN	857C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - ANALOG SW	77C	\$ 0.00	\$ 0.00	\$ 0.00
CO EQPT - DIGITAL SW	377C	\$ 0.00	\$ 0.00	\$ 0.00
AERIAL CABLE (FIBER)	822C	\$ 0.00	\$ 0.00	\$ 0.00
BURIED CABLE (FIBER)	845C	\$ 0.00	\$ 0.00	\$ 0.00
UNDERGROUND (FO) CA.	85C	\$ 0.00	\$ 0.00	\$ 0.00
CONNECTORS	57C	\$ 0.00	\$ 0.00	\$ 0.00
MISC. COM EQP & PWR	57C	\$ 0.00	\$ 0.00	\$ 0.00
POLE LINE	1C	\$ 0.00	\$ 0.00	\$ 0.00
CONDUIT	4C	\$ 0.00	\$ 0.00	\$ 0.00
CONFIDENTIAL				
PRIOR TO RELEASE TO PUBLIC				
PROVIDED TO PUBLIC				
\$ 1.44				
\$ 0.61				
\$ 2.05				
SPAN SUMMARY				
\$ 0.00				
\$ 0.00				
\$ 6.32				
\$ 2.45				
\$ 16.19				
\$ 16.19				
CIRCUIT DESIGN SUMMARY				
\$ 16.19				

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GC:\123R24\LCATR094\RESULTS1
OUTPUT - WORKSHEET D
SHEET 2 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
DATE: 28-Jan-97
TIME: 15:14COMPANY: 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 - RESIDENCE ISC
TOTAL LOOP LENGTH: 9588 FEET

Circuit Design Mix: 0.0000

UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY

TOTAL LOOP
WEIGHTED
TOTAL LOOPPLANT NAME
SEG. NAME
EQPT
CODE
PRIMARY
FEEDER
EXTENSION
SUB-
DISTRIBUTION NETWORK
INTERFACEPLANT
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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C:\123R24\LCATR094\RESULTS1			LOOP COST ANALYSIS TOOL					Bellcore®	
OUTPUT - WORKSHEET D			PROSPECTIVE INVESTMENT WORKSHEET SUMMARY					LCAT Rel: 1.0.4	
SHEET 3 of 10								Issued: 7/31/95	
COMPANY: CINCINNATI BELL TEL			CIRCUIT DESIGN: MEDED		CDLC		STUDY YR: 1996		
CITY / AREA: CINCINNATI			LOOP SPAN DIVISION: ALL LOOP		SPANS		TEST CASE: 1		
STATE / PROV: OHIO			SERVICE CLASS: BAND 1 - RESIDENCE ISD				RUN DATE: 28-Jan-97		
JOB IDENT: CINCINNATI			TOTAL LOOP LENGTH: 9688 FEET				TIME: 15:14		
Technology Type Mix: 0.00001			UNIT WEIGHTED MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					TECHNOLOGY WEIGHTED	
PLANT NAME			FEEDER		DISTRIBUTION NETWORK		TOTAL		
SEG. NAME			PRIMARY EXTENSION		SUB-INTERFACE		LOOP		
EQPT									
PLANT CODE									
ITEM DESCRIPTION									
SHARED RESOURCES									
LAND 20C			\$ 0.00		\$ 0.00		\$ 0.0000		
BUILDING 10C			\$ 0.00		\$ 0.00		\$ 0.0000		
BLDG ENTRANCE CABLE 12C			\$ 0.00		\$ 0.00		\$ 0.0000		
INTRABLDG CABLE 52C			\$ 0.00		\$ 0.00		\$ 0.0000		
AERIAL CABLE (COPPER) 22C			\$ 0.00		\$ 0.00		\$ 0.0000		
BURIED CABLE (COPPER) 45C			\$ 0.00		\$ 0.00		\$ 0.0000		
UNDERGROUND (CU) CA. 5C			\$ 0.00		\$ 0.00		\$ 0.0000		
CO EQPT - LOW CAP TERM 257C			\$ 0.00		\$ 0.00		\$ 0.0000		
CO EQPT - LOW CAP CHAN 257C			\$ 0.00		\$ 0.00		\$ 0.0000		
CO EQPT - HI CAP TERM 857C			\$ 0.00		\$ 0.00		\$ 0.0000		
CO EQPT - HI CAP CHAN 857C			\$ 0.00		\$ 0.00		\$ 0.0000		
CO EQPT - ANALOG SW 77C			\$ 0.00		\$ 0.00		\$ 0.0000		
CO EQPT - DIGITAL SW 377C			\$ 0.00		\$ 0.00		\$ 0.0000		
AERIAL CABLE (FIBER) 822C			\$ 0.00		\$ 0.00		\$ 0.0000		
BURIED CABLE (FIBER) 845C			\$ 0.00		\$ 0.00		\$ 0.0000		
UNDERGROUND (FO) CA. 85C			\$ 0.00		\$ 0.00		\$ 0.0000		
CONNECTORS 57C			\$ 0.00		\$ 0.00		\$ 0.0000		
MISC. COM EQP & PWR 57C			\$ 0.00		\$ 0.00		\$ 0.0000		
POLE LINE 1C			\$ 0.00		\$ 0.00		\$ 0.0000		
CONDUIT 4C			\$ 0.00		\$ 0.00		\$ 0.0000		
DIRECT RESOURCES									
LAND 20C			\$ 0.00		\$ 0.00		\$ 0.0000		
BUILDING 10C			\$ 0.00		\$ 0.00		\$ 0.0000		
BLDG ENTRANCE CABLE 12C			\$ 0.00		\$ 0.00		\$ 2.45 \$ 0.0000		
INTRABLDG CABLE 52C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
AERIAL CABLE (COPPER) 22C			\$ 0.00		\$ 0.67 \$ 3.13		\$ 0.00 \$ 3.80 \$ 0.0000		
BURIED CABLE (COPPER) 45C			\$ 0.00		\$ 0.00 \$ 1.21		\$ 0.00 \$ 1.21 \$ 0.0000		
UNDERGROUND (CU) CA. 5C			\$ 0.00		\$ 4.05 \$ 1.72		\$ 0.00 \$ 5.77 \$ 0.0000		
CO EQPT - P GAIN TERM 257C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
CO EQPT - P GAIN CHAN 257C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
CO EQPT - FO MUX TERM 857C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
CO EQPT - FO MUX CHAN 857C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
CO EQPT - ANALOG SW 77C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
CO EQPT - DIGITAL SW 377C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
AERIAL CABLE (FIBER) 822C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
BURIED CABLE (FIBER) 845C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
UNDERGROUND (FO) CA. 85C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
CONNECTORS 57C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
MISC. COM EQP & PWR 57C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
POLE LINE 1C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
CONDUIT 4C			\$ 0.00		\$ 0.00		\$ 0.00 \$ 0.0000		
SPAN SUMMARY			\$ 0.00		\$ 0.00		\$ 16.19 \$ 0.00		
TECHNOLOGY DESIGN SUMMARY							\$ 16.19		

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A B C D E F G		LOOP COST ANALYSIS TOOL PROSPECTIVE INVESTMENT WORKSHEET SUMMARY				Bellcore (R)	
01		C:\123R24\LCATR094\RESULTS1				LCAT Rel: 1.0.4	
02		OUTPUT - WORKSHEET D				Issued: 7/31/95	
03		SHEET 4 of 10				STUDY YR: 1998	
04		COMPANY: CINCINNATI BELL TEL				CIRCUIT DESIGN: 1 FOMUX	
05		CITY / AREA: CINCINNATI				LOOP SPAN DIVISION: ALL LOOP SPANS	
06		STATE / PROV: OHIO				TEST CASE: 1	
07		JOB IDENT: CINCINNATI				SERVICE CLASS: BAND 1 - RESIDENCE ISC	
08		TOTAL LOOP LENGTH: 9688 FEET				RUN DATE: 28-Jan-97	
09						TIME: 15:14	
10		Circuit Design Mix: 0.0000 UNIT MONTHLY RECURRING COSTS BY ACCOUNT FOR A 0 BAND STUDY					
11		PLANT NAME	FEEDER	DISTRIBUTION NETWORK	TOTAL	WEIGHTED	
12		SEG. NAME	PRIMARY	EXTENSION	SUB-	LOOP	TOTAL
13		EQPT	INTERFACE			LOOP	LOOP
14		PLANT					
15		CODE					
16		ITEM DESCRIPTION					
17		<u>SHARED RESOURCES</u>					
18		LAND	20C			\$0	\$0
19		BUILDING	10C			\$0	\$0
20		BLDG ENTRANCE CABLE	12C			\$0	\$0
21		INTRABLDG CABLE	52C			\$0	\$0
22		AERIAL CABLE (COPPER)	22C			\$0	\$0
23		BURIED CABLE (COPPER)	45C			\$0	\$0
24		UNDERGROUND (CU) CA.	5C			\$0	\$0
25		CO EQPT - LOW CAP TERM	257C			\$0	\$0
26		CO EQPT - LOW CAP CHAN	257C			\$0	\$0
27		CO EQPT - HI CAP TERM	857C			\$0	\$0
28		CO EQPT - HI CAP CHAN	857C			\$0	\$0
29		CO EQPT - ANALOG SW	77C			\$0	\$0
30		CO EQPT - DIGITAL SW	377C			\$0	\$0
31		AERIAL CABLE (FIBER)	822C			\$0	\$0
32		BURIED CABLE (FIBER)	845C			\$0	\$0
33		UNDERGROUND (FO) CA.	85C			\$0	\$0
34		CONNECTORS	57C			\$0	\$0
35		MISC. COM EQP & PWR	57C			\$0	\$0
36		POLE LINE	1C			\$0	\$0
37		CONDUIT	4C			\$0	\$0
38							
39		<u>DIRECT RESOURCES</u>					
40		LAND	20C			\$0	\$0
41		BUILDING	10C			\$0	\$0
42		BLDG ENTRANCE CABLE	12C			\$0	\$0
43		INTRABLDG CABLE	52C			\$0	\$0
44		AERIAL CABLE (COPPER)	22C			\$0	\$0
45		BURIED CABLE (COPPER)	45C			\$0	\$0
46		UNDERGROUND (CU) CA.	5C			\$0	\$0
47		CO EQPT - LOW CAP TERM	257C			\$0	\$0
48		CO EQPT - LOW CAP CHAN	257C			\$0	\$0
49		CO EQPT - HI CAP TERM	857C			\$0	\$0
50		CO EQPT - HI CAP CHAN	857C			\$0	\$0
51		CO EQPT - ANALOG SW	77C			\$0	\$0
52		CO EQPT - DIGITAL SW	377C			\$0	\$0
53		AERIAL CABLE (FIBER)	822C			\$0	\$0
54		BURIED CABLE (FIBER)	845C			\$0	\$0
55		UNDERGROUND (FO) CA.	85C			\$0	\$0
56		CONNECTORS	57C			\$0	\$0
57		MISC. COM EQP & PWR	57C			\$0	\$0
58		POLE LINE	1C			\$0	\$0
59		CONDUIT	4C			\$0	\$0
60							
61		SPAN SUMMARY	\$0	\$0	\$0	\$0	\$0
62							
63							
64							
65							

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A B C D E F G		LOOP COST ANALYSIS TOOL										Bellcore (R)	
		PROSPECTIVE INVESTMENT WORKSHEET SUMMARY										LCAT Rel: 1.0.4	
		SHEET 5 of 10										Issued: 7/31/95	
		COMPANY: CINCINNATI BELL TEL					CIRCUIT DESIGN: 2 FOMUX					STUDY YR: 1996	
		CITY / AREA: CINCINNATI					LOOP SPAN DIVISION: ALL LOOP SPANS					TEST CASE: 1	
		STATE / PROV: OHIO					SERVICE CLASS: BAND 1 - RESIDENCE ISC					RUN DATE: 28-Jan-97	
		JOB IDENT: CINCINNATI					TOTAL LOOP LENGTH: 9888 FEET					TIME: 15:14	
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		<u>SHARED RESOURCES</u>											
8		LAND	20C				\$0	\$0					
9		BUILDING	10C				\$0	\$0					
10		BLDG ENTRANCE CABLE	12C				\$0	\$0					
11		INTRABLDG CABLE	52C				\$0	\$0					
12		AERIAL CABLE (COPPER)	22C				\$0	\$0					
13		BURIED CABLE (COPPER)	45C				\$0	\$0					
14		UNDERGROUND (CU) CA.	5C				\$0	\$0					
15		CO EQPT - LOW CAP TERM	257C				\$0	\$0					
16		CO EQPT - LOW CAP CHAN	257C				\$0	\$0					
17		CO EQPT - HI CAP TERM	857C				\$0	\$0					
18		CO EQPT - HI CAP CHAN	857C				\$0	\$0					
19		CO EQPT - ANALOG SW	77C				\$0	\$0					
20		CO EQPT - DIGITAL SW	377C				\$0	\$0					
21		AERIAL CABLE (FIBER)	822C				\$0	\$0					
22		BURIED CABLE (FIBER)	845C				\$0	\$0					
23		UNDERGROUND (FO) CA.	85C				\$0	\$0					
24		CONNECTORS	57C				\$0	\$0					
25		MISC. COM EQP & PWR	57C				\$0	\$0					
26		POLE LINE	1C				\$0	\$0					
27		CONDUIT	4C				\$0	\$0					
28													
29		<u>DIRECT RESOURCES</u>											
30		LAND	20C				\$0	\$0					
31		BUILDING	10C				\$0	\$0					
32		BLDG ENTRANCE CABLE	12C				\$0	\$0					
33		INTRABLDG CABLE	52C				\$0	\$0					
34		AERIAL CABLE (COPPER)	22C				\$0	\$0					
35		BURIED CABLE (COPPER)	45C				\$0	\$0					
36		UNDERGROUND (CU) CA.	5C				\$0	\$0					
37		CO EQPT - LOW CAP TERM	257C				\$0	\$0					
38		CO EQPT - LOW CAP CHAN	257C				\$0	\$0					
39		CO EQPT - HI CAP TERM	857C				\$0	\$0					
40		CO EQPT - HI CAP CHAN	857C				\$0	\$0					
41		CO EQPT - ANALOG SW	77C				\$0	\$0					
42		CO EQPT - DIGITAL SW	377C				\$0	\$0					
43		AERIAL CABLE (FIBER)	822C				\$0	\$0					
44		BURIED CABLE (FIBER)	845C				\$0	\$0					
45		UNDERGROUND (FO) CA.	85C				\$0	\$0					
46		CONNECTORS	57C				\$0	\$0					
47		MISC. COM EQP & PWR	57C				\$0	\$0					
48		POLE LINE	1C				\$0	\$0					
49		CONDUIT	4C				\$0	\$0					
50													
51		SPAN SUMMARY	\$0	\$0			\$0	\$0					
52													
53													
54													
55													

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