

Released From Confidential Status

**Case Numbers: 96-922-TP-UNC
96-974-TP-ATA
96-1057-TP-UNC**

Date: 08/11/2008

**Confidential Documents originally
filed 2/11/97- Ameritech Ex 29 Daily
Usage Feed Modified TELRIC**

This is to certify that the images appearing are an
accurate and complete reproduction of a case file
document delivered in the regular course of business
Technician Date Processed 8-11-08

1. A) Daily Usage Feed - Modified TELRIC
 B) Ameritech Ohio Exhibit 29
 C) Type 4 changes only

2. Tab Type Correction

12.A.0	4
--------	---

12.B.0	4
--------	---

3. No Type 3 changes.

2/11/97

**Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study**

**AMERITECH - OHIO
UNBUNDLED NETWORK ELEMENT
DAILY USAGE FEED
Modified TELRIC
COST STUDY**

CONFIDENTIAL

Solely for use by employees of Ameritech companies who have a need to know.
Not to be disclosed to or used by any other person without prior authorization

FILE PATH: C:\WORK\EXCEL\UNE_DUFM_TELRIC\OHIO\OH_INDXA.DOC

2/11/97

**Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study**

NOTICE

This document contains confidential information of the Ameritech Operating Companies and is not to be disclosed, reproduced, published, or distributed without approval of the Ameritech Cost Organization.

CONFIDENTIAL

**Solely for use by employees of Ameritech companies who have a need to know.
Not to be disclosed to or used by any other person without prior authorization**

FILE PATH: C:\WORK\EXCEL\UNE_DUFM_TELRIC\OHIO\OH_INDXA.DOC

Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study

TABLE OF CONTENTS

TAB

FILING PACKAGE

-Cost Manager Provided Documentation NA

COST TEST(S)

-Analysis Results NA

-Demand Forecast NA

-Rate Information NA

COST RESULTS

-Summary of Results NA

-Study Assumptions 6

-LXC Billing & Collections Study NA

OVERVIEW INFORMATION

-Study Parameter Checklist 8

-Study Purpose 9

-Service Description 10

-Study Methodology 11

DETAILED COST DEVELOPMENT

-Recurring Cost / Cost Model Output 12

-Investment / Investment Model Output (ECONS) 13

-Non-recurring Cost NA

SOURCE / DISKETTE DOCUMENTATION

-Study Factor Documentation 15

-Back-up Data 16

CONFIDENTIAL

FILE PATH: C:\WORK\EXCEL\UNE_DUFM_TELRIC\OHIO\OH_INDXA.DOC

Ameritech - Region
Unbundled Network Elements
DAILY USAGE FEED
1966 Cost Study

ASSUMPTIONS

LN

DESCRIPTION

1	All of the Wholesale/Unbundled (Local & Toll) calls are from existing lines lost to Wholesale/Unbundling and go through the same CAMPS bill processing systems and procedures that they go through today.
2	<u>Connect Direct</u> (latest version of NDM) is used to electronically transfer data. <u>Connect Direct</u> is the transfer media used for the daily usage feed.
3	Assuming the Reseller/Unbundler will have only 1 Daily Usage Feed Link for the entire Region, the Cost analyst assumes that a DS1 link will easily handle the volume. A 56kbps link may handle some resellers/unbundlers but using a DS1 is conservative.
4	The <u>Connect Direct</u> expenses are per Reseller/Unbundler. The AHS Wholesale Interconnection Product Manager has assumed 15, initially, covering the entire Region. The Reseller/Unbundler will have only 1 link for the Region.
5	The Daily Usage Feed data assumed increments of 388,000 tel. lines or 1 Reseller/Unbundler. Except for the CAMPS Initial Development, Incremental headcount, and CAMPS testing, other expenses may be factored up to all lines or resellers/unbundlers.
6	TELRIC costing methods are required for Unbundled Network Element studies.

**Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study**

STUDY PARAMETER CHECKLIST

1. Study Type: TIC
2. Study Completion Date (Month/Year): 2/97
3. Cost of Money: 11.5%
4. Investment Source:
 - A. SCIS/IN Version: -
 - B. CCSCIS Version: -
 - C. OCAT Version: -
 - D. NCAT Version: -
 - E. Broadgauge Dated: -
 - F. Engineering Source Document Dated: -
 - G. Other: Subject Matter Experts
5. Labor Rates:
 - A. Directly Assigned: X or Other:
 - B. Year: 1997
6. Gross Receipt Tax (GRT): No
7. Selling Expenses: No
8. Marketing Expenses: No (if "Yes" identify)
9. Cost Development:
 - A. Ameritech Cost Analysis Resource Manual: 3/96
(enter issue month/year)
 - B. Specify Contract Period(s): -
10. Deviations from AOE LRSIC: Yes (if "Yes" identify on separate sheet)
11. Other Pertinent Information:

CONFIDENTIAL

FILE PATH: C:\WORK\EXCEL\UNE_DUFM_TELRIC\OHIO\OH_IND\A.DOC

2/11/97

Tab 8.1

**Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study**

DEVIATIONS FROM AOE

This study was developed using Modified TELRIC assumptions. See William Palmer Testimony.

CONFIDENTIAL

FILE PATH: C:\WORK\EXCEL\UNE_DUFM_TELRIC\OHIO\OH_INDXA.DOC

2/11/97

Tab 9

**Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study**

STUDY PURPOSE

The Ameritech Information Industries Services business unit has requested a cost study to identify and develop Modified TELRIC costs associated with the Unbundled Network Element: Daily Usage Feed.

CONFIDENTIAL

FILE PATH: C:\WORK\EXCEL\UNE_DUFM_TELRIC\OHIO\OH_INDXA.DOC

2/11/97

Tab 10

**Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study**

SERVICE DESCRIPTION

The Daily Usage Feed provides Unbundlers a record of all Local and IntraLATA Toll Usage messages switched and transported for their customers by Ameritech. The Unbundler's Local and IntraLATA Toll message details are provided from a single location in the Ameritech Region to one of the Unbundler's sites, via a dedicated T1 link, on a daily basis. The cost has been computed as a cost per message.

CONFIDENTIAL

FILE PATH: C:\WORK\EXCEL\UNE_DUFM_TELRIC\OH\OH_INDXA.DOC

**Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study**

COST METHODOLOGY

The Unbundled Network Element cost for the Daily Usage Feed is obtained by dividing the Regional costs by the Regional message quantity. The costs cover the development, maintenance, and provision of the Daily Usage Feed service from a single location in the Ameritech Region. The Message quantity is the Regional quantity of Total Local and IntraLATA Toll messages. It is assumed that 15 Reseller/Unbundler Customer sites will be provided throughout the Ameritech Region with this service and the cost for termination of those links is included in the costs.

CONFIDENTIAL

Ameritech - Ohio
Unbundled Network Elements
DAILY USAGE FEED
1997 Cost Study

DAILY USAGE FEED EXPENSE PER MESSAGE SUMMARY

LN

#	DESCRIPTION	SOURCE	AMOUNT
<i>Costs - Daily Feed - Per Message</i>			
1	Cost per Message (Modified TELRIC)	TAB 12.B.0, L17	\$ 0.000696
2	Mark-up for Shared Costs	TAB 12.B.0, L18	\$ 0.000136
3	Mark-up for Common Costs	TAB 12.B.0, L19	\$ 0.000076
4	Total Cost per Message	L1+L2+L3	\$ 0.000908

Type 4

DAILY USAGE FEED EXPENSE PER MESSAGE

LN

DESCRIPTION

SOURCE

AMOUNT

Costs - Daily Feed

1	CAMPS Initial Development	TAB 12.B.1, Page 1, L6	\$ 140,578
2	CAMPS Testing	TAB 12.B.1, Page 1, L12	\$ 51,420
3	CAMPS Incremental Headcount	TAB 12.B.1, Page 1, L28	\$ 1,252,735
4	AEBS Generation	TAB 12.B.1, Page 1, L34	\$ 43,255
5	Storage - Capital Cost - DASD CAMPS	TAB 12.B.1, Page 1, L41	\$ 470,478
6	Storage - Capital Cost - DASD Reseller	TAB 12.B.1, Page 1, L45	\$ 9,127,274
7	Storage - Transfer Cost - Storage	TAB 12.B.1, Page 2, L57	\$ 27,450,259
8	Storage - Transfer Cost - Processing	TAB 12.B.1, Page 2, L69	\$ 4,070,228
9	Storage - One-time Expense	TAB 12.B.1, Page 2, L73	\$ 904,904
10	Tape Racks - Capital Cost	TAB 12.B.1, Page 2, L77	\$ 117,415
11	Mainframe Processing - Capital Cost	TAB 12.B.1, Page 2, L81	\$ 1,051,633
12	AEBS Capital cost	TAB 12.B.1, Page 2, L85	\$ 1,021,003
13	Connect Direct - Capital Cost	TAB 12.B.1, Page 3, L93	\$ 396,735
14	Connect Direct - Transfer Cost	TAB 12.B.1, Page 3, L106	\$ 289,710
15	Total Costs	Sum(L1 thru L14)	\$ 46,387,627
16	3 Yr. Present Value of Total Local & Toll Msg.s	TAB 12.B.3, L12, I/T VALUES	66,636,059,646
17	Cost per Message (Modified TELRIC)	L15/L16	\$ 0.000696
18	Mark-up for Shared Costs	Arthur Anderson Study, 19.57%	\$ 0.000736
19	Mark-up for Common Costs	Arthur Anderson Study, 10.96%	\$ 0.000076
20	Total Cost	L17+L18+L19	\$ 0.000908

Typ 4

Cost of Money
Total Wholesalers plus Unbundlers

Economic Analysis
Wholesale Interconnection Prod. Mgr.

11.5%
15

DIRECT FIXED COSTS

Daily Feed

LN

#	DESCRIPTION	SOURCE	AMOUNT
NON-VOLUME SENSITIVE COSTS			
CAMPS INITIAL DEVELOPMENT			
1	Create File, Database, Records (Hours)	Net. Svcs.	2,80
2	Programmer Hours, Salary Grade 3	65% * L1	1,69
3	Programmer Hours, Salary Grade 4	35% * L1	91
4	Salary Grade 3 Hourly Rate, 1996	TAB 12.B.6, L8, A	\$52.0
5	Salary Grade 4 Hourly Rate, 1996	TAB 12.B.6, L9, A	\$57.9
6	1996 Cost	(L2*L4)+(L3*L5)	\$ 140,57
CAMPS TESTING			
7	Test File, Database, Records (Hours)	Net. Svcs.	95
8	Programmer Hours, Salary Grade 3	65% * L7	61
9	Programmer Hours, Salary Grade 4	35% * L7	33
10	Salary Grade 3 Hourly Rate, 1996	TAB 12.B.6, L8, A	\$52.0
11	Salary Grade 4 Hourly Rate, 1996	TAB 12.B.6, L9, A	\$57.9
12	1996 Cost	(L8*L10)+(L9*L11)	\$ 51,42
CAMPS INCREMENTAL HEADCOUNT			
13	Fut. Dev. and Instal. & Support - Process.	Net. Svcs.	
14	Programmers, Salary Grade 3	65% * L13	
15	Programmers, Salary Grade 4	35% * L13	
16	Programmer Hours per year, Salary Grade 3	2080*L14	6,24
17	Programmer Hours per year, Salary Grade 4	2080*L15	2,08
18	Salary Grade 3 Hourly Rate, 1997	TAB 12.B.6, L8, B	\$54.3
19	Salary Grade 4 Hourly Rate, 1997	TAB 12.B.6, L9, B	\$60.5
20	Salary Grade 3 Hourly Rate, 1998	TAB 12.B.6, L8, C	\$56.7
21	Salary Grade 4 Hourly Rate, 1998	TAB 12.B.6, L9, C	\$63.2
22	1996 Cost	(L10*L16)+(L11*L17)	\$ 444,93
23	1997 Cost	(L16*L18)+(L17*L19)	\$ 464,96
24	1998 Cost	(L16*L20)+(L17*L21)	\$ 485,84
25	P/F (11.5%, year 1)	ACAR, Tab 26	1,000
26	P/F (11.5%, year 2)	ACAR, Tab 26	0,896
27	P/F (11.5%, year 3)	ACAR, Tab 26	0,804
28	Present Value of Incremental Headcount	(L22*L25)+(L23*L26)+(L24*L27)	\$ 1,252,75
AEBS GENERATION			
29	AEBS Generation, Hours	Net. Svcs.	80
30	Programmer Hours, Salary Grade 3	65% * L1	52
31	Programmer Hours, Salary Grade 4	35% * L1	28
32	Salary Grade 3 Hourly Rate, 1996	TAB 12.B.6, L8, A	\$52.0
33	Salary Grade 4 Hourly Rate, 1996	TAB 12.B.6, L9, A	\$57.9
34	1996 Cost	(L29*L31)+(L30*L32)	\$ 43,21
NON-VOLUME SENSITIVE COST PER MESSAGE			
35	Subtotal Non-volume Sensitive Costs	L6+L12+L28+L34	\$ 1,487,91
36	Present Value, Regional Local & Toll Msg.	(TAB 12.B.3, L13)+(TAB 12.B.9, L12)	66,636,059,6-
37	PV, Non-Vol. Sensitive Cost per Msg.	L35/L36	\$ 0.00002

CONFIDENTIAL - Subject to restrictions on first page.

DIRECT FIXED COSTS

Daily Feed

LN

DESCRIPTION

SOURCE

AMOUNT

MESSAGE SENSITIVE COSTS

STORAGE - Capital Costs

38	Annual DASD CAMPS Costs	ECONS	\$ 14,012.26
39	P/A (11.5%, 3 years)	ACAR, Tab 26	2.70122
40	Scaling Factor for Messages	TAB 12.B.2, L26	12.43
41	Present Value of Storage Costs	L38*L39*L40	\$ 470,478

42	Annual DASD Reseller costs	ECONS	\$ 271,837.91
43	P/A (11.5%, 3 years)	ACAR, Tab 26	2.70122
44	Scaling Factor for Messages	TAB 12.B.2, L26	12.43
45	Present Value of Storage Costs	L42*L43*L44	\$ 9,127,274

TRANSFER COST - Storage

46	CAMPS Storage, per month - 1996	Network Services	\$ 3,480
47	CAMPS Ongoing Storage, per month - 1996	Network Services	\$ 67,631
48	1996 to 1997 TPI Factor (General Computer)	TAB 12.B.7, L9	94.97
49	1997 to 1998 TPI Factor (General Computer)	TAB 12.B.7, L10	96.57
50	1996 Cost	(L46+L47)*12	\$ 853,404
51	1997 Cost	L48*L50	\$ 809,881
52	1998 Cost	L49*L51	\$ 781,531
53	P/F (11.5%, year 1)	ACAR, Tab 26	1.0000
54	P/F (11.5%, year 2)	ACAR, Tab 27	0.8968
55	P/F (11.5%, year 3)	ACAR, Tab 28	0.8043
56	Scaling Factor for Messages	TAB 12.B.2, L26	12.43
57	Present Value of Storage Transfer Cost	[(L50*L53)+(L51*L54)+(L52*L55)]*L56	\$ 27,450,251

TRANSFER COST - Processing

58	Mainframe Proc. (Prime), per month - 1996	Network Services	\$ 7,111
59	Mainframe Proc. (Nonprime), per mo. - 1996	Network Services	\$ 3,431
60	1996 to 1997 TPI Factor (General Computer)	TAB 12.B.7, L9	94.97
61	1997 to 1998 TPI Factor (General Computer)	TAB 12.B.7, L10	96.57
62	1996 Cost	(L58+L59)*12	\$ 126,541
63	1997 Cost	L60*L62	\$ 120,081
64	1998 Cost	L61*L63	\$ 115,881
65	P/F (11.5%, year 1)	ACAR, Tab 26	1.0000
66	P/F (11.5%, year 2)	ACAR, Tab 26	0.8968
67	P/F (11.5%, year 3)	ACAR, Tab 26	0.8043
68	Scaling Factor for Messages	TAB 12.B.2, L26	12.43
69	Present Value of Storage Transfer Cost	[(L62*L65)+(L63*L66)+(L64*L67)]*L68	\$ 4,070,221

DIRECT FIXED COSTS

Daily Feed

LN

#	DESCRIPTION	SOURCE	AMOUNT
MESSAGE SENSITIVE COSTS (continued)			
STORAGE - One Time Expense			
70	Tapes CAMPS (\$7.00 per Tape)	Network Services	\$ 1,260
71	Tapes Reseller (\$7.00 per Tape)	Network Services	\$ 71,540
72	Scaling Factor for Messages	TAB 12.B.2, L26	12.4
73	Total Tape - One Time Expense	[L70+L71]*L72	\$ 904,900
Tape Rack(s) - Capital Costs			
74	Annual Tape Rack(s) Costs	ECONS	\$ 3,496.90
75	P/A (11.5%, 3 years)	ACAR, Tab 26	2,7012
76	Scaling Factor for Messages	TAB 12.B.2, L23	12.4
77	Present Value of Storage Costs	L74*L75*L76	\$ 117,410
Mainframe Processing - Capital Costs			
78	Annual Mainframe Processing Costs	ECONS	\$ 31,320.8
79	P/A (11.5%, 3 years)	ACAR, Tab 26	2,7012
80	Scaling Factor for Messages	TAB 12.B.2, L23	12.4
81	Present Value of Storage Costs	L78*L79*L80	\$ 1,051,630
AEBS - Capital Cost			
82	Annual AEBS Capital Costs	ECONS	\$ 30,408.50
83	P/A (11.5%, 3 years)	ACAR, Tab 26	2,7012
84	Scaling Factor for Messages	TAB 12.B.2, L23	12.4
85	Present Value of Storage Costs	L82*L83*L84	\$ 1,021,000
LINE SENSITIVE COST PER MESSAGE			
86	Subtotal Line Volume Sensitive Costs	L41+L45+L57+L69+L73+L77+L81+L85	\$ 44,213.19
87	Present Value, Regional Local & Toll Msg.	(TAB 12.B.3, L13)+(TAB 12.B.9, L12)	95,329,226.83
88	PV, Line Vol. Sensitive Cost per Msg.	L86/L87	\$ 0.000464

DIRECT FIXED COSTS

Daily Feed

LN

#	DESCRIPTION	SOURCE	AMOUNT
RESELLER SENSITIVE COSTS			
Connect Direct - Capital Cost (56 Kbps)			
89	Annual SNA T1 Ckt. Port Connectivity cost	ECONS	\$ 9,791.5
90	P/A (11.5%, 3 years)	ACAR, Tab 26	2.7012
91	Present Value of Storage Costs, per Reseller	L108*L109	\$ 26.44
92	Number of Resellers	TAB 12.B.3, Note "c"	
93	Present Value of Storage Costs	L91*L92	\$ 396.73
Connect Direct - Transfer Cost (T1 Ckt.) - Per RESELLER			
94	File Transfer per month - 1996	Network Services	\$ 30
95	SNA T1 Ckt. Port Connectivity Exp. per Mo.	Network Services	\$ 32
96	1996 to 1997 TPI Factor (General Computer)	TAB 12.B.7, L9	94.9
97	1997 to 1998 TPI Factor (General Computer)	TAB 12.B.7, L10	96.5
98	1996 Cost	(L113+L114)*12	\$ 7.46
99	1997 Cost	L115*L117	\$ 7.08
100	1998 Cost	L116*L118	\$ 6.83
101	P/F (11.5%, year 1)	ACAR, Tab 26	1.000
102	P/F (11.5%, year 2)	ACAR, Tab 26	0.896
103	P/F (11.5%, year 3)	ACAR, Tab 26	0.804
104	Present Value of Storage Transfer Cost	[(L117*L120)+(L118*L121)+(L119*L122)]*L123	\$ 19.31
105	Number of Resellers	TAB 12.B.3, Note "c"	
106	Present Value of Storage Costs	L123*L124	\$ 289.71
RESELLER SENSITIVE COST PER MESSAGE			
107	Subtotal Reseller Volume Sensitive Costs	L93+L106	\$ 686.44
108	Present Value, Regional Local & Toll Msg.	(TAB 12.B.3, L12)+(TAB 12.B.9, L12)	66,636,059.64
109	PV, Reseller Vol. Sen. Cost per Msg.	L107/L108	\$ 0.00001

Ameritech - Region
WHOLESALE and UNBUNDLED SERVICES
1996 Cost Study
REGIONAL LINE FACTOR
Daily Feed

LN

DESCRIPTION SOURCE AMOUNT

EQUIPMENT SCALING FACTOR FOR LINES

1	Line Increment for Storage Expense	Net. Svcs.	388,000
2	Total Network Access Lines, All Five States - 1995	TAB 12.B.3 , Note c	16,157,310
3	Line Scaling Factor	L2/L1	41
4	AIIS Clerks per 100,000 Lines	AIIS	1.84
5	Total AIIS Clerks	(L2*L4)/100,000	297
TOTAL MESSAGES - 1995			
6	Illinois Annual Local & Toll Messages - 1995	TAB 12.B.4, L2	12,176,439,663
7	Indiana Annual Local & Toll Messages - 1995	TAB 12.B.5, L2	3,586,765,292
8	Michigan Annual Local & Toll Messages - 1995	TAB 12.B.6, L2	9,193,652,359
9	Ohio Annual Local & Toll Messages - 1995	TAB 12.B.7, L2	7,434,249,127
10	Wisconsin Annual Local & Toll Messages - 1995	TAB 12.B.8, L2	2,900,068,227
11	Total Annual Local & Toll Messages - 1995	L6+L7+L8+L9+L10	35,291,174,668
12	Illinois Percent of Reps.	L6/L11	34.50%
13	Illinois Reps.	L5*L12	102
14	Indiana Percent of Reps.	L7/L11	10.16%
15	Indiana Reps.	L5*L14	30
16	Michigan Percent of Reps.	L8/L11	26.05%
17	Michigan Reps.	L5*L16	77
18	Ohio Percent of Reps.	L9/L11	21.07%
19	Ohio Reps.	L5*L18	63
20	Wisconsin Percent of Reps.	L10/L11	8.22%
21	Wisconsin Reps.	L5*L20	24

22	Usage Records per Day per Line	NETWORK I/T	20
23	Average Days per Month	NETWORK I/T	30.5
24	Working Telephone Numbers for Storage Increment	NETWORK I/T	388,000
25	Average Messages per Month for Storage Increment	L22*L23*L24	236,680,000
26	Message Scaling Factor for all five states	L40	12.43
27	Average Messages per Month for all five states	L25*L26	2,941,932,400
28	Average Messages per Year for all five states	12* L27	35,303,188,800

29	Illinois Annual Local Calls - 1995	Price Cap Study	12,102,976,560
30	Illinois Annual Toll Calls - 1995	Price Cap Study	73,463,103
31	Indiana Annual Local Calls - 1995	ARMIS	3,400,292,033
32	Indiana Annual Toll Calls - 1995	ARMIS	186,473,259
33	Michigan Annual Local Calls - 1995	AIMS	7,704,925,000
34	Michigan Annual Toll Calls - 1995	AIMS	1,488,727,359
35	Ohio Annual Local Calls - 1995	Price Cap Study	7,252,105,250
36	Ohio Annual Toll Calls - 1995	Price Cap Study	182,143,877
37	Wisconsin Annual Local Calls - 1995	Price Cap Study	2,727,504,943
38	Wisconsin Annual Toll Calls - 1995	Price Cap Study	172,563,284
39	Total Annual Calls, All Five States	SUM(L29 thru L39)	35,291,174,668
40	Scaling Factor based on Messages	L39/(12*L25)	12.43

ALL FIVE STATES WHOLESALE LOCAL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<i>Total Local 1995 Messages</i>					
1	Not Used				-
2	Total Annual Messages		-	-	33,187,803,786

Average Annual Messages

3	1996 Total Annual Messages	L2			33,187,803,786
4	1997 Total Annual Messages	L2			33,187,803,786
5	1998 Total Annual Messages	L2			33,187,803,786

Present Value Factors

6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

Present Value of Usage

9	Year 1 Messages	L3*L6			33,187,803,786
10	Year 2 Messages	L4*L7			29,764,813,704
11	Year 3 Messages	L5*L8			26,694,941,853
12	Total Present Value of Usage	L9+L10+L11			89,647,559,343
13	Total PV of Non-Flat Rate Messages				60,954,392,151

ASSUMPTIONS

a	Average Annual Messages include Local only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be	15			
c	Number of Network Access Lines =		16,157,310		

ILLINOIS WHOLESALE LOCAL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<i>Illinois Local 1995 Messages</i>					
1	Not used				
2	1995 Total Annual Messages	Price Cap Filing	-	-	12,102,976,560

<i>Average Annual Messages</i>					
3	1996 Total Annual Messages	L2			12,102,976,560
4	1997 Total Annual Messages	L2			12,102,976,560
5	1998 Total Annual Messages	L2			12,102,976,560

<i>Present Value Factors</i>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89688
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<i>Present Value of Usage</i>					
9	Year 1 Messages	L3*L6			12,102,976,560
10	Year 2 Messages	L4*L7			10,854,675,558
11	Year 3 Messages	L5*L8			9,735,150,228
12	Total Present Value of Usage	L9+L10+L11			32,692,802,344
13	Flat Rate % of Total Messages	CUTS			1.03%
14	Total PV of Non-Flat Rate Messages	(1-L13)*L12			32,356,086,480

ASSUMPTIONS

a	Average Annual Messages include Local only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		5,484,602		
	(Source = Aggregate Revenue Test)				

INDIANA WHOLESALE LOCAL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<i>Indiana Local 1995 Messages</i>					
1	Not Used				
2	1995 Total Annual Messages	AIMS	-	-	3,400,292,033

<i>Average Annual Messages</i>					
3	1996 Total Annual Messages	L2			3,400,292,033
4	1997 Total Annual Messages	L2			3,400,292,033
5	1998 Total Annual Messages	L2			3,400,292,033

<i>Present Value Factors</i>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<i>Present Value of Usage</i>					
9	Year 1 Messages	L3*L6			3,400,292,033
10	Year 2 Messages	L4*L7			3,049,585,913
11	Year 3 Messages	L5*L8			2,735,058,900
12	Total Present Value of Usage	L9+L10+L11			9,184,936,846
13	Flat Rate % of Total Messages	CUTS			98.15%
14	Total PV of Non-Flat Rate Messages	(1-L13)*L12			169,921,332

ASSUMPTIONS

a	Average Annual Messages include Local only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		1,973,054		
	Source = ANSIRS (AM-7)				

MICHIGAN WHOLESALE LOCAL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<u>Michigan Local 1995 Messages</u>					
1	Not Used				-
2	1995 Total Annual Messages	AIMS	-	-	7,704,925,000

<u>Average Annual Messages</u>					
3	1996 Total Annual Messages	L2			7,704,925,000
4	1997 Total Annual Messages	L2			7,704,925,000
5	1998 Total Annual Messages	L2			7,704,925,000

<u>Present Value Factors</u>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<u>Present Value of Usage</u>					
9	Year 1 Messages	L3*L6			7,704,925,000
10	Year 2 Messages	L4*L7			6,910,239,036
11	Year 3 Messages	L5*L8			6,197,533,473
12	Total Present Value of Usage	L9+L10+L11			20,812,697,509
13	Flat Rate % of Total Messages	CUTS			8.48%
14	Total PV of Non-Flat Rate Messages	(1-L13)*L12			19,047,780,760

ASSUMPTIONS

a	Average Annual Messages include Local only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		3,830,061		
	(Source = Michigan 1996 Restructure				

OHIO WHOLESALE LOCAL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<u>Ohio Local 1995 Messages</u>					
1	Not Used				-
2	1995 Total Annual Messages	Price Cap Filing	-	-	7,252,105,250

<u>Average Annual Messages</u>					
3	1996 Total Annual Messages	L2			7,252,105,250
4	1997 Total Annual Messages	L2			7,252,105,250
5	1998 Total Annual Messages	L2			7,252,105,250

<u>Present Value Factors</u>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<u>Present Value of Usage</u>					
9	Year 1 Messages	L3*L6			7,252,105,250
10	Year 2 Messages	L4*L7			6,504,123,115
11	Year 3 Messages	L5*L8			5,833,303,379
12	Total Present Value of Usage	L9+L10+L11			19,589,531,744
13	Flat Rate % of Total Messages	CUTS			89.66%
14	Total PV of Non-Flat Rate Messages	(1-L13)*L12			2,025,557,582

<u>ASSUMPTIONS</u>					
a	Average Annual Messages include Local only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		3,154,977		
	(Source = 1995 Price Cap Study)				

WISCONSIN WHOLESALE LOCAL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<i>Wisconsin Local 1995 Messages</i>					
1	Not Used				-
2	1995 Total Annual Messages	Price Cap Filing	-	-	2,727,504,943

<i>Average Annual Messages</i>					
3	1996 Total Annual Messages	L2			2,727,504,943
4	1997 Total Annual Messages	L2			2,727,504,943
5	1998 Total Annual Messages	L2			2,727,504,943

<i>Present Value Factors</i>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<i>Present Value of Usage</i>					
9	Year 1 Messages	L3*L6			2,727,504,943
10	Year 2 Messages	L4*L7			2,446,190,083
11	Year 3 Messages	L5*L8			2,193,895,876
12	Total Present Value of Usage	L9+L10+L11			7,367,590,902
13	Flat Rate % of Total Messages	CUTS			0.17%
14	Total PV of Non-Flat Rate Messages	(1-L13)*L12			7,355,065,997

<i>ASSUMPTIONS</i>					
a	Average Annual Messages include Local only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		1,734,616		
	Source = 1995 Price Cap Filing				

ALL FIVE STATES WHOLESALE TOLL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<u>Total Toll 1995 Messages</u>					
1	Not Used				-
2	Total Annual Messages		-	-	2,103,370,882

<u>Average Annual Messages</u>					
3	1996 Total Annual Messages	L2			2,103,370,882
4	1997 Total Annual Messages	L2			2,103,370,882
5	1998 Total Annual Messages	L2			2,103,370,882

<u>Present Value Factors</u>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<u>Present Value of Usage</u>					
9	Year 1 Messages	L3*L6			2,103,370,882
10	Year 2 Messages	L4*L7			1,886,429,210
11	Year 3 Messages	L5*L8			1,691,867,403
12	Total Present Value of Usage	L9+L10+L11			5,681,667,495

<u>ASSUMPTIONS</u>					
a	Avg. Annual Messages include Ameritech Orig. Toll only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		16,157,310		

ILLINOIS WHOLESALE TOLL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<u>Illinois Toll 1995 Messages</u>					
1	Line Not Used				
2	1995 Total Annual Messages	Price Cap Filing	-	-	73,463,103

<u>Average Annual Messages</u>					
3	1996 Total Annual Messages	L2			73,463,103
4	1997 Total Annual Messages	L2			73,463,103
5	1998 Total Annual Messages	L2			73,463,103

<u>Present Value Factors</u>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<u>Present Value of Usage</u>					
9	Year 1 Messages	L3*L6			73,463,103
10	Year 2 Messages	L4*L7			65,886,119
11	Year 3 Messages	L5*L8			59,090,782
12	Total Present Value of Usage	L9+L10+L11			198,440,004

ASSUMPTIONS

a	Average Annual Messages include Toll only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		5,464,602		

INDIANA WHOLESALE TOLL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<u>Indiana Toll 1995 Messages</u>					
1	Not Used				
2	1995 Total Annual Messages	AIMS	-	-	186,473,259

<u>Average Annual Messages</u>					
3	1996 Total Annual Messages	L2			186,473,259
4	1997 Total Annual Messages	L2			186,473,259
5	1998 Total Annual Messages	L2			186,473,259

<u>Present Value Factors</u>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<u>Present Value of Usage</u>					
9	Year 1 Messages	L3*L6			186,473,259
10	Year 2 Messages	L4*L7			167,240,407
11	Year 3 Messages	L5*L8			149,991,631
12	Total Present Value of Usage	L9+L10+L11			503,705,297

<u>ASSUMPTIONS</u>					
a	Average Annual Messages include Toll only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		1,973,054		
	Source = ANSIRS (AM-7)				

MICHIGAN WHOLESALE TOLL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<i>Michigan Toll 1995 Messages</i>					
1	Not Used				-
2	1995 Total Annual Messages	AIMS	-	-	1,488,727,359

<i>Average Annual Messages</i>					
3	1996 Total Annual Messages	L2			1,488,727,359
4	1997 Total Annual Messages	L2			1,488,727,359
5	1998 Total Annual Messages	L2			1,488,727,359

<i>Present Value Factors</i>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436

<i>Present Value of Usage</i>					
9	Year 1 Messages	L3*L6			1,488,727,359
10	Year 2 Messages	L4*L7			1,335,180,019
11	Year 3 Messages	L5*L8			1,197,472,738
12	Total Present Value of Usage	L9+L10+L11			4,021,380,116

ASSUMPTIONS

a	Average Annual Messages include Toll only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		3,830,061		
	Source = Michigan 1996 Restructure				

OHIO WHOLESALE TOLL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<u>Ohio Toll 1995 Messages</u>					
1	Not Used				-
2	1995 Total Annual Messages	Price Cap Filing	-	-	182,143,877
<u>Average Annual Messages</u>					
3	1996 Total Annual Messages	L2			182,143,877
4	1997 Total Annual Messages	L2			182,143,877
5	1998 Total Annual Messages	L2			182,143,877
<u>Present Value Factors</u>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89688
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436
<u>Present Value of Usage</u>					
9	Year 1 Messages	L3*L6			182,143,877
10	Year 2 Messages	L4*L7			163,357,558
11	Year 3 Messages	L5*L8			146,509,249
12	Total Present Value of Usage	L9+L10+L11			492,010,684
<u>ASSUMPTIONS</u>					
a	Average Annual Messages include Toll only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines =		3,154,977		
	Source = 1995 Price Cap Study)				

WISCONSIN WHOLESALE TOLL FORECAST

LN

#	DESCRIPTION	SOURCE	BUSINESS	RESIDENCE	TOTAL
<u>Wisconsin Toll 1995 Messages</u>					
1	Not Used				-
2	1995 Total Annual Messages	Price Cap Filing	-	-	172,563,284
<u>Average Annual Messages</u>					
3	1996 Total Annual Messages	L2			172,563,284
4	1997 Total Annual Messages	L2			172,563,284
5	1998 Total Annual Messages	L2			172,563,284
<u>Present Value Factors</u>					
6	P/F (11.5%, Year 1)	ACAR, Tab 26			1.00000
7	P/F (11.5%, Year 2)	ACAR, Tab 26			0.89686
8	P/F (11.5%, Year 3)	ACAR, Tab 26			0.80436
<u>Present Value of Usage</u>					
9	Year 1 Messages	L3*L6			172,563,284
10	Year 2 Messages	L4*L7			154,765,107
11	Year 3 Messages	L5*L8			138,803,003
12	Total Present Value of Usage	L9+L10+L11			466,131,394
<u>ASSUMPTIONS</u>					
a	Average Annual Messages include Toll only and are virtually the same as the 1995 quantity.				
b	Number of Resellers assumed to be =	15			
c	Number of Switched Network Access Lines		1,734,616		
	(Source = 1995 Price Cap Filing)				

PROGRAMMER LABOR RATES

LN	DESCRIPTION	SOURCE	1995 AMOUNT	1996 AMOUNT	1997 AMOUNT	1998 AMOUNT
PROGRAMMER LABOR RATES						
1	Labor Inflation Rate (Over Previous Year)	ACAR, Tab 24		4.6%	4.5%	4.6%
2	Salary Grade 3 Hourly Rate - Dir. Expense	Cost Factors Group	\$48.86	\$51.11	\$53.41	\$55.81
3	Salary Grade 4 Hourly Rate - Dir. Expense	Cost Factors Group	\$54.51	\$57.02	\$59.59	\$62.27
4	Salary Grade 5 Hourly Rate - Dir. Expense	Cost Factors Group	\$59.71	\$62.46	\$65.27	\$68.21
5	Average Salary Grade 5 Reportees	MARKETING M&P	16	16	16	16
6	Avg. Number of SG3 or SG4 Concurrent Projects	MARKETING M&P	2	2	2	2
7	% of Salary Grade (SG) Time that is Supv.	MARKETING M&P	50%	50%	50%	50%
8	Salary Grade 3 Hourly Rate - Dir. Assigned	$L2 + [(L4 * L7) / (L5 * L6)]$	\$49.71	\$52.00	\$54.34	\$56.78
9	Salary Grade 4 Hourly Rate - Dir. Assigned	$L3 + [(L4 * L7) / (L5 * L6)]$	\$55.36	\$57.91	\$60.52	\$63.24

Ameritech - Region
WHOLESALE and UNBUNDLED SERVICES
1996 Cost Study
TELEPHONE PLANT INDEX FACTOR

LN

DESCRIPTION

SOURCE

AMOUNT

General Purpose Computers

1	1993 Index Level	ACAR, TAB 25	58.4
2	1996 Index Level	ACAR, TAB 25	47.5
3	1997 Index Level	ACAR, TAB 25	45.1
4	1998 Index Level	ACAR, TAB 25	43.5
5	1993 to 1996 TPI Percent	$(L2-L1)/L1$	-18.7%
6	1996 to 1997 TPI Percent	$(L3-L2)/L2$	-5.1%
7	1997 to 1998 TPI Percent	$(L4-L3)/L3$	-3.5%
8	1993 to 1996 TPI Factor	$100\%+L3$	81.3%
9	1996 to 1997 TPI Factor	$100\%+L4$	94.9%
10	1997 to 1998 TPI Factor	$100\%+L5$	96.5%

Buildings

11	1993 Index Level	ACAR, TAB 25	117.1
12	1996 Index Level	ACAR, TAB 25	127.3
13	1993 to 1996 TPI Percent	$(L12-L11)/L11$	8.7%
14	1993 to 1996 TPI Factor	$100\%+L13$	108.7%

Labor

15	1993 to 1994 Annual Percentage Change	ACAR, TAB 24	3.70%
16	1994 to 1995 Annual Percentage Change	ACAR, TAB 24	3.90%
17	1995 to 1996 Annual Percentage Change	ACAR, TAB 24	3.90%
18	1993 to 1996 TPI Factor	$(1+L15)*(1+L16)*(1+L17)$	111.95%

AIIIS CLERK FORECAST

							CLERKS PER 100,000 LINES
LN	#	DESCRIPTION	SOURCE	ILLINOIS	MICHIGAN	TOTAL	CLERKS
<i>Cumulative Wholesale End-Of-Year Lines</i>							
1		1995 End-Of-Year In-Service	Prod. Mgmt.	-	-	-	
2		1996 End-Of-Year In-Service	Prod. Mgmt.	380,550	108,558	489,108	9

COMPARISON OF MESSAGES and LINES, BY STATE

LN

#	DESCRIPTION	ILLINOIS	INDIANA	MICHIGAN	OHIO	WISC.
TOLL MESSAGES						
1	1995 ARMIS	265,756,000	186,388,000	923,321,000	216,133,000	231,949,000
2	1993 Exp./Msg. Value	222,964,501	180,121,227	1,121,057,923	215,650,500	195,057,866
3	1995 CUTS Value	NR	NR	NR	NR	NR
4	1994 CAMPS	UNK	UNK	1,325,000,000	UNK	UNK
5	AIMS (Econ Analysis)	38,579,023	186,473,259	1,488,727,359	261,321,874	269,418,975
6	Price Cap Filing	73,463,103	n/a	n/a	182,143,877	172,563,284
7	MA-9 (NCAT Admin.)	n/a	190,000,000	908,200,000	216,600,000	226,685,000
8	1995 MA-9	136,426,072	149,699,060	882,192,148	200,413,025	218,744,577
9	Resale (Pre-Phase I)	n/a	n/a	n/a	n/a	n/a
10	Resale (Phase I)	226,880,000	182,984,000	925,040,000	215,030,000	220,374,000
11	Resale (Phase II)	73,463,103	186,473,259	1,488,727,359	182,143,877	172,563,284

LOCAL MESSAGES

12	1995 ARMIS-Adjusted	14,653,416,571	5,040,761,380	10,973,523,887	9,871,481,778	4,315,630,368
13	1993 Exp./Msg. Value	16,459,941,941	n/a	6,927,647,553	7,083,636,400	3,093,974,147
15	1995 CUTS Value	11,428,397,180	2,006,451,112	7,745,386,596	7,610,112,868	3,403,311,812
16	1994 CAMPS	n/a	n/a	7,517,000,000	n/a	n/a
17	AIMS (Econ Analysis)	11,169,206,360	3,400,292,033	7,704,925,000	4,132,293,612	2,681,980,412
18	Price Cap Filing	12,102,976,560	n/a	n/a	7,252,105,250	2,727,504,943
19	AIMS (NCAT Admin.)	8,695,542,662	848,534,878	7,430,366,064	5,401,069,060	3,024,919,250
20	1994 Indy Local Study	-	3,372,059,257	-	-	-
21	Resale (Pre-Phase I)	11,735,435,436	n/a	7,517,000,000	n/a	n/a
22	Resale (Phase I)	19,752,194,000	6,753,883,000	15,677,485,000	13,294,923,000	5,921,348,000
23	Resale (Phase II)	12,102,976,560	3,400,292,033	7,704,925,000	7,252,105,250	2,727,504,943
24	Percent Flat Rate Msg.	1.03%	98.15%	8.48%	89.66%	0.17%
25	Resale W/O Flat Rate	11,978,315,901	62,905,403	7,051,547,360	749,867,683	2,722,868,185

LINES

26	1995 ARMIS	6,116,830	1,968,653	4,848,587	3,676,722	2,015,821
27	Price Cap Filing	5,464,602	n/a	n/a	3,154,977	1,734,616
28	ANSIRS (AM-7)	6,079,699	1,973,054	4,821,420	3,658,758	2,000,414
29	Michigan Restructure	-	-	3,830,061	-	-
30	1994 Indy Local Study	-	1,657,300	-	-	-
31	Resale (Pre-Phase I)	5,110,930	n/a	4,707,689	n/a	n/a
32	Resale (Phase I)	5,888,904	1,881,001	4,651,378	3,537,182	1,933,477
33	Resale (Phase II)	5,464,602	1,973,054	3,830,061	3,154,977	1,734,616

n/a = Not Available

NR = Not Requested

UNK = Unknown

SELECTION PRIORITY

- 1 Price Cap Filing quantity (note adjustments necessary to match use - eg. add WATS, 800)
- 2 Phase I quantity (if within 1% of a newer quantity)
- 3 Use 1995 quantities
- 4 Quantities should be for Month-To-Month services only (no multi-year contracts)

AMERITECH - Region

Unbundled Network Element
DASD CAMPS

ITEM COST SUMMARY

ESTIMATED INVESTMENTS:

Recoverable Material Cost	\$45,785.09
Non-Recov. Material Cost	\$0.00
Installation Cost	\$294.91

TOTAL	\$46,080.00
-------	-------------------

ESTIMATED RECURRING COSTS:

Depreciation	\$7,679.95
Cost of Money	\$2,724.23
Income Tax	\$1,437.72
Maintenance	\$2,055.17
Administrative Overhead	\$0.00
Incremental Expense	\$0.00
Other Recurring Expense	\$0.00
Ad Valorem Tax	\$115.20
Gross Receipts Tax	\$0.00

TOTAL ANNUAL COST:	<u>\$14,012.26</u>
--------------------	--------------------------

TOTAL MONTHLY COST:	\$1,167.69
---------------------	------------

SUPPLEMENTAL DATA:

Economic Life (yrs.)	6.00
Location Life (yrs.)	6.00
Gross Salvage	\$1,382.40
Cost of Removal	\$1,382.40

TOTAL IMMEDIATE NONRECOV. COST:	\$1,677.31
---------------------------------	------------

NON-RECURRING EXPENSES:	\$0.00
-------------------------	--------

Item Cost Summary Data Filename: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\EC

Composite Cost of Money Used [RHO]: 0.1150

Discount Rate Used [RE]: 0.1150

10/14/96 2:33PM

AMERITECH - Region

VARIABLE FILE: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\ECONS\CAMPS.VAR

Study Title : Unbundled Network Element
Item Title : DASD CAMPS
Account File: AIE361.ACT
Study Type : TIC
Demand : 1

ITEM	DESCRIPTION	CONTENTS
1	Recoverable Contractor Material	46080.00
2	Non-Recoverable Contractor Material	0.00
3	Recoverable Other Material	0.00
4	Non-Recoverable Other Material	0.00
5	Non-Recoverable Other Charges	0.00
6	Estimate or In Place Factor	0.0000
7	Contractor Engineering	0.00
8	Contractor Installation	0.00
9	TELCO Engineering	0.00
10	TELCO Installation	0.00
11	Number Of Units Per Item	1.00
12	Fill Factor	1.0000
13	Removal Material	0.00
14	Other Removal Charges	0.00
15	Contractor Removal Engineering	0.00
16	Contractor Removal Labor	0.00
17	TELCO Removal Engineering	0.00
18	TELCO Removal Labor	0.00
19	Salvage Value	0.00
20	Maintenance Material	0.00
21	TELCO Maintenance Engineering	0.00
22	TELCO Maintenance Labor	0.00
23	Other Recurring Expense	0.00
24	Other Non-Recurring Expense	0.00
25	Market Price	0.00

10/14/96 2:33PM

AMERITECH - Region

COMMON FILE: I:\ECONS_96\IL\AIE96.CMN

ITEM	DESCRIPTION	CONTENTS
1	Reference Year [RYEAR]	1996
2	First Year Study [SYEAR]	1996
3	Planning Period [PLNPER]	0
4	Life Method	1
5	Inflation for Other Recurring Exp.	0.0000
6	Inflation for Other Non-Recurring Exp.	0.0000
7	Plant Placement & Expense Conv. [KCONV]	2
8	Composite Cost Of Money [RHO]	0.1150
9	Discount Rate [RE]	0.1150
10	Debt Ratio [DELTA]	0.3000
11	Cost Of Debt [INT]	0.0760
12	Composite Income Tax Rate [TO]	0.3975
13	Net Investment Base [KRHO]	1
14	Input List [KPDATA]	1
15	Output Print & Write [KPDEM]	0
16	Output Print Detail [KPDTL]	3
17	Detail Reports [KRPTS]	0
18	Normalization Of Payroll Taxes [KSRPT]	1
19	LAND --Cost of Money	0.0000
20	LAND --Income Tax Expense	0.0000
21	BLDG--Gross Salvage	0.0000
22	BLDG--Cost of Removal	0.0500
23	BLDG--Account Life	45.0
24	BLDG--Maintenance	0.0298
25	BLDG--Depreciation	0.0233
26	BLDG--Cost of Money	0.0859
27	BLDG--Income Tax Expense	0.0454
28	Revenue Requirement G.R.T	0.0000
29	Price Related G.R.T.	0.0000
30	Ad Valorem Tax	0.0025
31	Investment Tax Credit [TXCR]	0.0000

10/14/96 2:33PM

AMERITECH - Region

ACCOUNT FILE: I:\ECONS_96\IL\AIE361.ACT

ITEM	DESCRIPTION	CONTENTS
1	Economic Life [AVEL]	6.0
2	TAX Life [TAXLFE]	5.0
3	Location Life NR [N/AVEL]	6.0
4	Account Life [AVEL]	6.0
5	Number Of Vintages [NVINT]	1
6	First Vintage Year [FVINT]	1996
7	Life Curve Number [NCURV]	0
8	Gompertz-Makeham 'C' Factor	1.6875800
9	Gompertz-Makeham 'G' Factor	-0.0137233
10	Gompertz-Makeham 'S' Factor	0.0059539
11	Account Gross Salvage Factor [GSP]	0.0300
12	Account Cost Of Removal Factor [CRP]	0.0300
13	Administrative Overhead Factor	0.0000
14	Account Cost Of Money Factor	0.0000
15	Account Depreciation Factor	0.0000
16	Account Income Tax Factor	0.0000
17	Account Maintenance Factor	0.0446
18	Interest During Construction Fac. [BIDC]	0.0000
19	Common Equipment & Power Factor	0.0000
20	Land Factor	0.0000
21	Building Factor	0.0000
22	Sales Tax Factor	0.0000
23	Material Weighting	0.9936
24	Contractor Installation Weighting	0.0056
25	Contractor Engineering Weighting	0.0007
26	TELCO Installation Weighting	0.0000
27	TELCO Engineering Weighting	0.0001
28	Contractor Engineering Labor Rate	1.00
29	Contractor Installer Labor Rate	1.00
30	TELCO Engineer Labor Rate	1.00
31	TELCO Engineer SS & Pension Factor	0.0000
32	TELCO Installer Labor Rate	1.00
33	TELCO Installer SS & Pension Factor	0.0000
34	TELCO Removal Labor Rate	1.00
35	TELCO Repair Labor Rate	1.00
36	Contractor Material Inflation Factor	0.0000
37	Other Material Inflation Factor	0.0000
38	Contractor Engineering Inflation Factor	0.0000
39	Contractor Inst. & Remov. Inflation Fact	0.0000
40	TELCO Engineering Inflation Factor	0.0000
41	TELCO Install.& Removal Inflation Factor	0.0000
42	Supply Expense Factor	0.0000
43	Incremental Expense Factor	0.0000
44	Tax Depreciation Method [KDEP]	1

10/14/96 2:33PM

AMERITECH - Region

Unbundled Network Elements
DASD Unbundler

ITEM COST SUMMARY

ESTIMATED INVESTMENTS:

Recoverable Material Cost	\$888,230.72
Non-Recov. Material Cost	\$0.00
Installation Cost	\$5,721.29

TOTAL	\$893,952.01
-------	--------------------

ESTIMATED RECURRING COSTS:

Depreciation	\$148,990.97
Cost of Money	\$52,850.07
Income Tax	\$27,891.73
Maintenance	\$39,870.26
Administrative Overhead	\$0.00
Incremental Expense	\$0.00
Other Recurring Expense	\$0.00
Ad Valorem Tax	\$2,234.88
Gross Receipts Tax	\$0.00

TOTAL ANNUAL COST:	<u>\$271,837.91</u>
--------------------	---------------------------

TOTAL MONTHLY COST:	\$22,653.16
---------------------	-------------

SUPPLEMENTAL DATA:

Economic Life	YRS.	6.00
Location Life	YRS.	6.00
Gross Salvage		\$26,818.56
Cost of Removal		\$26,818.56

TOTAL IMMEDIATE NONRECOV. COST:	\$32,539.85
---------------------------------	-------------

NON-RECURRING EXPENSES:	\$0.00
-------------------------	--------

Item Cost Summary Data Filename: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\EC

Composite Cost of Money Used [RHO]: 0.1150

Discount Rate Used [RE]: 0.1150

10/14/96 2:36PM

AMERITECH - Region

VARIABLE FILE: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\ECONS\UNBUNDLR.VAR

Study Title : Unbundled Network Elements
Item Title : DASD Unbundler
Account File: AIE361.ACT
Study Type : TIC
Demand : 1

ITEM	DESCRIPTION	CONTENTS
1	Recoverable Contractor Material	893952.00
2	Non-Recoverable Contractor Material	0.00
3	Recoverable Other Material	0.00
4	Non-Recoverable Other Material	0.00
5	Non-Recoverable Other Charges	0.00
6	Estimate or In Place Factor	0.0000
7	Contractor Engineering	0.00
8	Contractor Installation	0.00
9	TELCO Engineering	0.00
10	TELCO Installation	0.00
11	Number Of Units Per Item	1.00
12	Fill Factor	1.0000
13	Removal Material	0.00
14	Other Removal Charges	0.00
15	Contractor Removal Engineering	0.00
16	Contractor Removal Labor	0.00
17	TELCO Removal Engineering	0.00
18	TELCO Removal Labor	0.00
19	Salvage Value	0.00
20	Maintenance Material	0.00
21	TELCO Maintenance Engineering	0.00
22	TELCO Maintenance Labor	0.00
23	Other Recurring Expense	0.00
24	Other Non-Recurring Expense	0.00
25	Market Price	0.00

10/14/96 2:36PM

AMERITECH - Region

COMMON FILE: I:\ECONS_96\IL\AIE96.CMN

ITEM	DESCRIPTION	CONTENTS
1	Reference Year [RYEAR]	1996
2	First Year Study [SYEAR]	1996
3	Planning Period [PLNPER]	0
4	Life Method	1
5	Inflation for Other Recurring Exp.	0.0000
6	Inflation for Other Non-Recurring Exp.	0.0000
7	Plant Placement & Expense Conv. [KCONV]	2
8	Composite Cost Of Money [RHO]	0.1150
9	Discount Rate [RE]	0.1150
10	Debt Ratio [DELTA]	0.3000
11	Cost Of Debt [INT]	0.0760
12	Composite Income Tax Rate [TO]	0.3975
13	Net Investment Base [KRHO]	1
14	Input List [KPDATA]	1
15	Output Print & Write [KPDEM]	0
16	Output Print Detail [KPDTL]	3
17	Detail Reports [KRPTS]	0
18	Normalization Of Payroll Taxes [KSRPT]	1
19	LAND --Cost of Money	0.0000
20	LAND --Income Tax Expense	0.0000
21	BLDG--Gross Salvage	0.0000
22	BLDG--Cost of Removal	0.0500
23	BLDG--Account Life	45.0
24	BLDG--Maintenance	0.0298
25	BLDG--Depreciation	0.0233
26	BLDG--Cost of Money	0.0859
27	BLDG--Income Tax Expense	0.0454
28	Revenue Requirement G.R.T	0.0000
29	Price Related G.R.T.	0.0000
30	Ad Valorem Tax	0.0025
31	Investment Tax Credit [TXCR]	0.0000

10/14/96 2:36PM

AMERITECH - Region

ACCOUNT FILE: I:\ECONS_96\IL\AIE361.ACT

ITEM	DESCRIPTION	CONTENTS
1	Economic Life [AVEL]	6.0
2	TAX Life [TAXLFE]	5.0
3	Location Life NR [N/AVEL]	6.0
4	Account Life [AVEL]	6.0
5	Number Of Vintages [NVINT]	1
6	First Vintage Year [FVINT]	1996
7	Life Curve Number [NCURV]	0
8	Gompertz-Makeham 'C' Factor	1.6875800
9	Gompertz-Makeham 'G' Factor	-0.0137233
10	Gompertz-Makeham 'S' Factor	0.0059539
11	Account Gross Salvage Factor [GSP]	0.0300
12	Account Cost Of Removal Factor [CRP]	0.0300
13	Administrative Overhead Factor	0.0000
14	Account Cost Of Money Factor	0.0000
15	Account Depreciation Factor	0.0000
16	Account Income Tax Factor	0.0000
17	Account Maintenance Factor	0.0446
18	Interest During Construction Fac. [BIDC]	0.0000
19	Common Equipment & Power Factor	0.0000
20	Land Factor	0.0000
21	Building Factor	0.0000
22	Sales Tax Factor	0.0000
23	Material Weighting	0.9936
24	Contractor Installation Weighting	0.0056
25	Contractor Engineering Weighting	0.0007
26	TELCO Installation Weighting	0.0000
27	TELCO Engineering Weighting	0.0001
28	Contractor Engineering Labor Rate	1.00
29	Contractor Installer Labor Rate	1.00
30	TELCO Engineer Labor Rate	1.00
31	TELCO Engineer SS & Pension Factor	0.0000
32	TELCO Installer Labor Rate	1.00
33	TELCO Installer SS & Pension Factor	0.0000
34	TELCO Removal Labor Rate	1.00
35	TELCO Repair Labor Rate	1.00
36	Contractor Material Inflation Factor	0.0000
37	Other Material Inflation Factor	0.0000
38	Contractor Engineering Inflation Factor	0.0000
39	Contractor Inst. & Remov. Inflation Fact	0.0000
40	TELCO Engineering Inflation Factor	0.0000
41	TELCO Install. & Removal Inflation Factor	0.0000
42	Supply Expense Factor	0.0000
43	Incremental Expense Factor	0.0000
44	Tax Depreciation Method [KDEP]	1

10/14/96 2:36PM

AMERITECH - Region

Unbundled Network Elements
Tape Rack Costs

ITEM COST SUMMARY

ESTIMATED INVESTMENTS:

Recoverable Material Cost	\$11,426.40
Non-Recov. Material Cost	\$0.00
Installation Cost	\$73.60

TOTAL	\$11,500.00
-------	-------------------

ESTIMATED RECURRING COSTS:

Depreciation	\$1,916.65
Cost of Money	\$679.88
Income Tax	\$358.81
Maintenance	\$512.90
Administrative Overhead	\$0.00
Incremental Expense	\$0.00
Other Recurring Expense	\$0.00
Ad Valorem Tax	\$28.75
Gross Receipts Tax	\$0.00

TOTAL ANNUAL COST:	\$3,496.98
--------------------	------------------

TOTAL MONTHLY COST:	\$291.42
---------------------	----------

SUPPLEMENTAL DATA:

Economic Life	Yrs.	6.00
Location Life	Yrs.	6.00
Gross Salvage		\$345.00
Cost of Removal		\$345.00

TOTAL IMMEDIATE NONRECOV. COST:	\$418.60
---------------------------------	----------

NON-RECURRING EXPENSES:	\$0.00
-------------------------	--------

Item Cost Summary Data Filename: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\EC

Composite Cost of Money Used [RHO]: 0.1150

Discount Rate Used [RE]: 0.1150

10/14/96 2:40PM

AMERITECH - Region

VARIABLE FILE: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\ECONS\TAPERACK.VAR

Study Title : Unbundled Network Elements
Item Title : Tape Rack Costs
Account File: AIE361.ACT
Study Type : TIC
Demand : 1

ITEM	DESCRIPTION	CONTENTS
1	Recoverable Contractor Material	11500.00
2	Non-Recoverable Contractor Material	0.00
3	Recoverable Other Material	0.00
4	Non-Recoverable Other Material	0.00
5	Non-Recoverable Other Charges	0.00
6	Estimate or In Place Factor	0.0000
7	Contractor Engineering	0.00
8	Contractor Installation	0.00
9	TELCO Engineering	0.00
10	TELCO Installation	0.00
11	Number Of Units Per Item	1.00
12	Fill Factor	1.0000
13	Removal Material	0.00
14	Other Removal Charges	0.00
15	Contractor Removal Engineering	0.00
16	Contractor Removal Labor	0.00
17	TELCO Removal Engineering	0.00
18	TELCO Removal Labor	0.00
19	Salvage Value	0.00
20	Maintenance Material	0.00
21	TELCO Maintenance Engineering	0.00
22	TELCO Maintenance Labor	0.00
23	Other Recurring Expense	0.00
24	Other Non-Recurring Expense	0.00
25	Market Price	0.00

10/14/96 2:40PM

AMERITECH - Region

COMMON FILE: I:\ECONS_96\IL\AIE96.CMN

ITEM	DESCRIPTION	CONTENTS
1	Reference Year [RYEAR]	1996
2	First Year Study [SYEAR]	1996
3	Planning Period [PLNPER]	0
4	Life Method	1
5	Inflation for Other Recurring Exp.	0.0000
6	Inflation for Other Non-Recurring Exp.	0.0000
7	Plant Placement & Expense Conv. [KCONV]	2
8	Composite Cost Of Money [RHO]	0.1150
9	Discount Rate [RE]	0.1150
10	Debt Ratio [DELTA]	0.3000
11	Cost Of Debt [INT]	0.0760
12	Composite Income Tax Rate [TO]	0.3975
13	Net Investment Base [KRHO]	1
14	Input List [KPDATA]	1
15	Output Print & Write [KPDEM]	0
16	Output Print Detail [KPDTL]	3
17	Detail Reports [KRPTS]	0
18	Normalization Of Payroll Taxes [KSRPT]	1
19	LAND --Cost of Money	0.0000
20	LAND --Income Tax Expense	0.0000
21	BLDG--Gross Salvage	0.0000
22	BLDG--Cost of Removal	0.0500
23	BLDG--Account Life	45.0
24	BLDG--Maintenance	0.0298
25	BLDG--Depreciation	0.0233
26	BLDG--Cost of Money	0.0859
27	BLDG--Income Tax Expense	0.0454
28	Revenue Requirement G.R.T	0.0000
29	Price Related G.R.T.	0.0000
30	Ad Valorem Tax	0.0025
31	Investment Tax Credit [TXCR]	0.0000

10/14/96 2:40PM

AMERITECH - Region

ACCOUNT FILE: I:\ECONS_96\IL\AIE361.ACT

ITEM	DESCRIPTION	CONTENTS
1	Economic Life [AVEL]	6.0
2	TAX Life [TAXLFE]	5.0
3	Location Life NR [N/AVEL]	6.0
4	Account Life [AVEL]	6.0
5	Number Of Vintages [NVINT]	1
6	First Vintage Year [FVINT]	1996
7	Life Curve Number [NCURV]	0
8	Gompertz-Makeham 'C' Factor	1.6875800
9	Gompertz-Makeham 'G' Factor	-0.0137233
10	Gompertz-Makeham 'S' Factor	0.0059539
11	Account Gross Salvage Factor [GSP]	0.0300
12	Account Cost Of Removal Factor [CRP]	0.0300
13	Administrative Overhead Factor	0.0000
14	Account Cost Of Money Factor	0.0000
15	Account Depreciation Factor	0.0000
16	Account Income Tax Factor	0.0000
17	Account Maintenance Factor	0.0446
18	Interest During Construction Fac. [BIDC]	0.0000
19	Common Equipment & Power Factor	0.0000
20	Land Factor	0.0000
21	Building Factor	0.0000
22	Sales Tax Factor	0.0000
23	Material Weighting	0.9936
24	Contractor Installation Weighting	0.0056
25	Contractor Engineering Weighting	0.0007
26	TELCO Installation Weighting	0.0000
27	TELCO Engineering Weighting	0.0001
28	Contractor Engineering Labor Rate	1.00
29	Contractor Installer Labor Rate	1.00
30	TELCO Engineer Labor Rate	1.00
31	TELCO Engineer SS & Pension Factor	0.0000
32	TELCO Installer Labor Rate	1.00
33	TELCO Installer SS & Pension Factor	0.0000
34	TELCO Removal Labor Rate	1.00
35	TELCO Repair Labor Rate	1.00
36	Contractor Material Inflation Factor	0.0000
37	Other Material Inflation Factor	0.0000
38	Contractor Engineering Inflation Factor	0.0000
39	Contractor Inst. & Remov. Inflation Fact	0.0000
40	TELCO Engineering Inflation Factor	0.0000
41	TELCO Install. & Removal Inflation Factor	0.0000
42	Supply Expense Factor	0.0000
43	Incremental Expense Factor	0.0000
44	Tax Depreciation Method [KDEP]	1

10/14/96 2:40PM

AMERITECH - Region

Unbundled Network Elements
Mainframe Processing

ITEM COST SUMMARY

ESTIMATED INVESTMENTS:

Recoverable Material Cost	\$102,340.80
Non-Recov. Material Cost	\$0.00
Installation Cost	\$659.20

TOTAL	\$103,000.00
-------	--------------------

ESTIMATED RECURRING COSTS:

Depreciation	\$17,166.55
Cost of Money	\$6,089.32
Income Tax	\$3,213.65
Maintenance	\$4,593.80
Administrative Overhead	\$0.00
Incremental Expense	\$0.00
Other Recurring Expense	\$0.00
Ad Valorem Tax	\$257.50
Gross Receipts Tax	\$0.00

TOTAL ANNUAL COST:	\$31,320.81
--------------------	-------------------

TOTAL MONTHLY COST:	\$2,610.07
---------------------	------------

SUPPLEMENTAL DATA:

Economic Life (yrs.)	6.00
Location Life (yrs.)	6.00
Gross Salvage	\$3,090.00
Cost of Removal	\$3,090.00

TOTAL IMMEDIATE NONRECOV. COST:	\$3,749.20
---------------------------------	------------

NON-RECURRING EXPENSES:	\$0.00
-------------------------	--------

Item Cost Summary Data Filename: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\EC

Composite Cost of Money Used [RHO]: 0.1150

Discount Rate Used [RE]: 0.1150

10/14/96 2:42PM

AMERITECH - Region

VARIABLE FILE: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\ECONS\MAIN_PRO.VAR

Study Title : Unbundled Network Elements
Item Title : Mainframe Processing
Account File: AIE361.ACT
Study Type : TIC
Demand : 1

ITEM	DESCRIPTION	CONTENTS
1	Recoverable Contractor Material	103000.00
2	Non-Recoverable Contractor Material	0.00
3	Recoverable Other Material	0.00
4	Non-Recoverable Other Material	0.00
5	Non-Recoverable Other Charges	0.00
6	Estimate or In Place Factor	0.0000
7	Contractor Engineering	0.00
8	Contractor Installation	0.00
9	TELCO Engineering	0.00
10	TELCO Installation	0.00
11	Number Of Units Per Item	1.00
12	Fill Factor	1.0000
13	Removal Material	0.00
14	Other Removal Charges	0.00
15	Contractor Removal Engineering	0.00
16	Contractor Removal Labor	0.00
17	TELCO Removal Engineering	0.00
18	TELCO Removal Labor	0.00
19	Salvage Value	0.00
20	Maintenance Material	0.00
21	TELCO Maintenance Engineering	0.00
22	TELCO Maintenance Labor	0.00
23	Other Recurring Expense	0.00
24	Other Non-Recurring Expense	0.00
25	Market Price	0.00

10/14/96 2:42PM

AMERITECH - Region

COMMON FILE: I:\ECONS_96\IL\AIE96.CMN

ITEM	DESCRIPTION	CONTENTS
1	Reference Year [RYEAR]	1996
2	First Year Study [SYEAR]	1996
3	Planning Period [PLNPER]	0
4	Life Method	1
5	Inflation for Other Recurring Exp.	0.0000
6	Inflation for Other Non-Recurring Exp.	0.0000
7	Plant Placement & Expense Conv. [KCONV]	2
8	Composite Cost Of Money [RHO]	0.1150
9	Discount Rate [RE]	0.1150
10	Debt Ratio [DELTA]	0.3000
11	Cost Of Debt [INT]	0.0760
12	Composite Income Tax Rate [TO]	0.3975
13	Net Investment Base [KRHO]	1
14	Input List [KPDATA]	1
15	Output Print & Write [KPDEM]	0
16	Output Print Detail [KPDTL]	3
17	Detail Reports [KRPTS]	0
18	Normalization Of Payroll Taxes [KSRPT]	1
19	LAND --Cost of Money	0.0000
20	LAND --Income Tax Expense	0.0000
21	BLDG--Gross Salvage	0.0000
22	BLDG--Cost of Removal	0.0500
23	BLDG--Account Life	45.0
24	BLDG--Maintenance	0.0298
25	BLDG--Depreciation	0.0233
26	BLDG--Cost of Money	0.0859
27	BLDG--Income Tax Expense	0.0454
28	Revenue Requirement B.R.T	0.0000
29	Price Related G.R.T.	0.0000
30	Ad Valorem Tax	0.0025
31	Investment Tax Credit [TXCR]	0.0000

10/14/96 2:42PM

AMERITECH - Region

ACCOUNT FILE: I:\ECONS_96\IL\AIE361.ACT

ITEM	DESCRIPTION	CONTENTS
1	Economic Life [AVEL]	6.0
2	TAX Life [TAXLFE]	5.0
3	Location Life NR [N/AVEL]	6.0
4	Account Life [AVEL]	6.0
5	Number Of Vintages [NVINT]	1
6	First Vintage Year [FVINT]	1996
7	Life Curve Number [NCURV]	0
8	Gompertz-Makeham 'C' Factor	1.6875800
9	Gompertz-Makeham 'G' Factor	-0.0137233
10	Gompertz-Makeham 'S' Factor	0.0059539
11	Account Gross Salvage Factor [GSP]	0.0300
12	Account Cost Of Removal Factor [CRP]	0.0300
13	Administrative Overhead Factor	0.0000
14	Account Cost Of Money Factor	0.0000
15	Account Depreciation Factor	0.0000
16	Account Income Tax Factor	0.0000
17	Account Maintenance Factor	0.0446
18	Interest During Construction Fac. [BIDC]	0.0000
19	Common Equipment & Power Factor	0.0000
20	Land Factor	0.0000
21	Building Factor	0.0000
22	Sales Tax Factor	0.0000
23	Material Weighting	0.9936
24	Contractor Installation Weighting	0.0056
25	Contractor Engineering Weighting	0.0007
26	TELCO Installation Weighting	0.0000
27	TELCO Engineering Weighting	0.0001
28	Contractor Engineering Labor Rate	1.00
29	Contractor Installer Labor Rate	1.00
30	TELCO Engineer Labor Rate	1.00
31	TELCO Engineer SS & Pension Factor	0.0000
32	TELCO Installer Labor Rate	1.00
33	TELCO Installer SS & Pension Factor	0.0000
34	TELCO Removal Labor Rate	1.00
35	TELCO Repair Labor Rate	1.00
36	Contractor Material Inflation Factor	0.0000
37	Other Material Inflation Factor	0.0000
38	Contractor Engineering Inflation Factor	0.0000
39	Contractor Inst. & Remov. Inflation Fact	0.0000
40	TELCO Engineering Inflation Factor	0.0000
41	TELCO Install. & Removal Inflation Factor	0.0000
42	Supply Expense Factor	0.0000
43	Incremental Expense Factor	0.0000
44	Tax Depreciation Method [KDEP]	1

10/14/96 2:42PM

AMERITECH - Region

Unbundled Network Element
AEBS Capital Costs

ITEM COST SUMMARY

ESTIMATED INVESTMENTS:

Recoverable Material Cost	\$99,360.00
Non-Recov. Material Cost	\$0.00
Installation Cost	\$640.00

TOTAL	\$100,000.00
-------	--------------------

ESTIMATED RECURRING COSTS:

Depreciation	\$16,666.55
Cost of Money	\$5,911.96
Income Tax	\$3,120.05
Maintenance	\$4,460.00
Administrative Overhead	\$0.00
Incremental Expense	\$0.00
Other Recurring Expense	\$0.00
Ad Valorem Tax	\$250.00
Gross Receipts Tax	\$0.00

TOTAL ANNUAL COST:	\$30,408.56
--------------------	-------------------

TOTAL MONTHLY COST:	\$2,534.05
---------------------	------------

SUPPLEMENTAL DATA:

Economic Life (yrs.)	6.00
Location Life (yrs.)	6.00
Gross Salvage	\$3,000.00
Cost of Removal	\$3,000.00

TOTAL IMMEDIATE NONRECOV. COST:	\$3,640.00
---------------------------------	------------

NON-RECURRING EXPENSES:	\$0.00
-------------------------	--------

Item Cost Summary Data Filename: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\EC

Composite Cost of Money Used [RHO]: 0.1150

Discount Rate Used [RE]: 0.1150

10/14/96 2:45PM

AMERITECH - Region

VARIABLE FILE: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\ECONS\AEBS.VAR

Study Title : Unbundled Network Element
Item Title : AEBS Capital Costs
Account File: AIE361.ACT
Study Type : TIC
Demand : 1

ITEM	DESCRIPTION	CONTENTS
1	Recoverable Contractor Material	100000.00
2	Non-Recoverable Contractor Material	0.00
3	Recoverable Other Material	0.00
4	Non-Recoverable Other Material	0.00
5	Non-Recoverable Other Charges	0.00
6	Estimate or In Place Factor	0.0000
7	Contractor Engineering	0.00
8	Contractor Installation	0.00
9	TELCO Engineering	0.00
10	TELCO Installation	0.00
11	Number Of Units Per Item	1.00
12	Fill Factor	1.0000
13	Removal Material	0.00
14	Other Removal Charges	0.00
15	Contractor Removal Engineering	0.00
16	Contractor Removal Labor	0.00
17	TELCO Removal Engineering	0.00
18	TELCO Removal Labor	0.00
19	Salvage Value	0.00
20	Maintenance Material	0.00
21	TELCO Maintenance Engineering	0.00
22	TELCO Maintenance Labor	0.00
23	Other Recurring Expense	0.00
24	Other Non-Recurring Expense	0.00
25	Market Price	0.00

10/14/96 2:45PM

AMERITECH - Region

ACCOUNT FILE: I:\ECONS_96\IL\AIE361.ACT

ITEM	DESCRIPTION	CONTENTS
1	Economic Life [AVEL]	6.0
2	TAX Life [TAXLFE]	5.0
3	Location Life NR [N/AVEL]	6.0
4	Account Life [AVEL]	6.0
5	Number Of Vintages [NVINT]	1
6	First Vintage Year [FVINT]	1996
7	Life Curve Number [NCURV]	0
8	Gompertz-Makeham 'C' Factor	1.6875800
9	Gompertz-Makeham 'G' Factor	-0.0137233
10	Gompertz-Makeham 'S' Factor	0.0059539
11	Account Gross Salvage Factor [GSP]	0.0300
12	Account Cost Of Removal Factor [CRP]	0.0300
13	Administrative Overhead Factor	0.0000
14	Account Cost Of Money Factor	0.0000
15	Account Depreciation Factor	0.0000
16	Account Income Tax Factor	0.0000
17	Account Maintenance Factor	0.0446
18	Interest During Construction Fac. [BIDC]	0.0000
19	Common Equipment & Power Factor	0.0000
20	Land Factor	0.0000
21	Building Factor	0.0000
22	Sales Tax Factor	0.0000
23	Material Weighting	0.9936
24	Contractor Installation Weighting	0.0056
25	Contractor Engineering Weighting	0.0007
26	TELCO Installation Weighting	0.0000
27	TELCO Engineering Weighting	0.0001
28	Contractor Engineering Labor Rate	1.00
29	Contractor Installer Labor Rate	1.00
30	TELCO Engineer Labor Rate	1.00
31	TELCO Engineer SS & Pension Factor	0.0000
32	TELCO Installer Labor Rate	1.00
33	TELCO Installer SS & Pension Factor	0.0000
34	TELCO Removal Labor Rate	1.00
35	TELCO Repair Labor Rate	1.00
36	Contractor Material Inflation Factor	0.0000
37	Other Material Inflation Factor	0.0000
38	Contractor Engineering Inflation Factor	0.0000
39	Contractor Inst. & Remov. Inflation Fact	0.0000
40	TELCO Engineering Inflation Factor	0.0000
41	TELCO Install. & Removal Inflation Factor	0.0000
42	Supply Expense Factor	0.0000
43	Incremental Expense Factor	0.0000
44	Tax Depreciation Method [KDEP]	1

10/14/96 2:45PM

AMERITECH - Region

COMMON FILE: I:\ECONS_96\IL\AIE96.CMN

ITEM	DESCRIPTION	CONTENTS
1	Reference Year [RYEAR]	1996
2	First Year Study [SYEAR]	1996
3	Planning Period [PLNPER]	0
4	Life Method	1
5	Inflation for Other Recurring Exp.	0.0000
6	Inflation for Other Non-Recurring Exp.	0.0000
7	Plant Placement & Expense Conv. [KCONV]	2
8	Composite Cost Of Money [RHO]	0.1150
9	Discount Rate [RE]	0.1150
10	Debt Ratio [DELTA]	0.3000
11	Cost Of Debt [INT]	0.0760
12	Composite Income Tax Rate [TO]	0.3975
13	Net Investment Base [KRHO]	1
14	Input List [KPDATA]	1
15	Output Print & Write [KPDEM]	0
16	Output Print Detail [KPDTL]	3
17	Detail Reports [KRPTS]	0
18	Normalization Of Payroll Taxes [KSRPT]	1
19	LAND --Cost of Money	0.0000
20	LAND --Income Tax Expense	0.0000
21	BLDG--Gross Salvage	0.0000
22	BLDG--Cost of Removal	0.0500
23	BLDG--Account Life	45.0
24	BLDG--Maintenance	0.0298
25	BLDG--Depreciation	0.0233
26	BLDG--Cost of Money	0.0859
27	BLDG--Income Tax Expense	0.0454
28	Revenue Requirement G.R.T	0.0000
29	Price Related G.R.T.	0.0000
30	Ad Valorem Tax	0.0025
31	Investment Tax Credit [TXCR]	0.0000

10/14/96 2:45PM

AMERITECH - Region

Unbundled Network Elements
Test SNA 56kbps Port Connectivity

ITEM COST SUMMARY

ESTIMATED INVESTMENTS:

Recoverable Material Cost	\$15,996.96
Non-Recov. Material Cost	\$0.00
Installation Cost	\$103.04

TOTAL	\$16,100.00
-------	-------------------

ESTIMATED RECURRING COSTS:

Depreciation	\$2,683.31
Cost of Money	\$951.83
Income Tax	\$502.33
Maintenance	\$718.06
Administrative Overhead	\$0.00
Incremental Expense	\$0.00
Other Recurring Expense	\$0.00
Ad Valorem Tax	\$40.25
Gross Receipts Tax	\$0.00

TOTAL ANNUAL COST:	<u>\$4,895.78</u>
--------------------	-------------------------

TOTAL MONTHLY COST:	\$407.98
---------------------	----------

SUPPLEMENTAL DATA:

Economic Life	yrs..	6.00
Location Life	yrs..	6.00
Gross Salvage		\$483.00
Cost of Removal		\$483.00

TOTAL IMMEDIATE NONRECOV. COST:	\$586.04
---------------------------------	----------

NON-RECURRING EXPENSES:	\$0.00
-------------------------	--------

Item Cost Summary Data Filename: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\EC

Composite Cost of Money Used [RHO]: 0.1150

Discount Rate Used [RE]: 0.1150

10/14/96 2:47PM

AMERITECH - Region

VARIABLE FILE: C:\WORK\EXCEL\UNE_DUF\M_TELRIC\ECONS\TEST_SNA.VAR

Study Title : Unbundled Network Elements
Item Title : Test SNA 56kbps Port Connectivity
Account File: AIE361.ACT
Study Type : TIC
Demand : 1

ITEM	DESCRIPTION	CONTENTS
1	Recoverable Contractor Material	16100.00
2	Non-Recoverable Contractor Material	0.00
3	Recoverable Other Material	0.00
4	Non-Recoverable Other Material	0.00
5	Non-Recoverable Other Charges	0.00
6	Estimate or In Place Factor	0.0000
7	Contractor Engineering	0.00
8	Contractor Installation	0.00
9	TELCO Engineering	0.00
10	TELCO Installation	0.00
11	Number Of Units Per Item	1.00
12	Fill Factor	1.0000
13	Removal Material	0.00
14	Other Removal Charges	0.00
15	Contractor Removal Engineering	0.00
16	Contractor Removal Labor	0.00
17	TELCO Removal Engineering	0.00
18	TELCO Removal Labor	0.00
19	Salvage Value	0.00
20	Maintenance Material	0.00
21	TELCO Maintenance Engineering	0.00
22	TELCO Maintenance Labor	0.00
23	Other Recurring Expense	0.00
24	Other Non-Recurring Expense	0.00
25	Market Price	0.00

10/14/96 2:47PM

AMERITECH - Region

COMMON FILE: I:\ECONS_96\IL\AIE96.CMN

ITEM	DESCRIPTION	CONTENTS
1	Reference Year [RYEAR]	1996
2	First Year Study [SYEAR]	1996
3	Planning Period [PLNPER]	0
4	Life Method	1
5	Inflation for Other Recurring Exp.	0.0000
6	Inflation for Other Non-Recurring Exp.	0.0000
7	Plant Placement & Expense Conv. [KCONV]	2
8	Composite Cost Of Money [RHO]	0.1150
9	Discount Rate [RE]	0.1150
10	Debt Ratio [DELTA]	0.3000
11	Cost Of Debt [INT]	0.0760
12	Composite Income Tax Rate [TO]	0.3975
13	Net Investment Base [KRHO]	1
14	Input List [KPDATA]	1
15	Output Print & Write [KPDEM]	0
16	Output Print Detail [KPDTL]	3
17	Detail Reports [KRPTS]	0
18	Normalization Of Payroll Taxes [KSRPT]	1
19	LAND --Cost of Money	0.0000
20	LAND --Income Tax Expense	0.0000
21	BLDG--Gross Salvage	0.0000
22	BLDG--Cost of Removal	0.0500
23	BLDG--Account Life	45.0
24	BLDG--Maintenance	0.0298
25	BLDG--Depreciation	0.0233
26	BLDG--Cost of Money	0.0859
27	BLDG--Income Tax Expense	0.0454
28	Revenue Requirement G.R.T	0.0000
29	Price Related G.R.T.	0.0000
30	Ad Valorem Tax	0.0025
31	Investment Tax Credit [TXCR]	0.0000

10/14/96 2:47PM

AMERITECH - Region

ACCOUNT FILE: I:\ECONS_96\IL\AIE361.ACT

ITEM	DESCRIPTION	CONTENTS
1	Economic Life [AVEL]	6.0
2	TAX Life [TAXLFE]	5.0
3	Location Life NR [N/AVEL]	6.0
4	Account Life [AVEL]	6.0
5	Number Of Vintages [NVINT]	1
6	First Vintage Year [FVINT]	1996
7	Life Curve Number [NCURV]	0
8	Gompertz-Makeham 'C' Factor	1.6875800
9	Gompertz-Makeham 'G' Factor	-0.0137233
10	Gompertz-Makeham 'S' Factor	0.0059539
11	Account Gross Salvage Factor [GSP]	0.0300
12	Account Cost Of Removal Factor [CRP]	0.0300
13	Administrative Overhead Factor	0.0000
14	Account Cost Of Money Factor	0.0000
15	Account Depreciation Factor	0.0000
16	Account Income Tax Factor	0.0000
17	Account Maintenance Factor	0.0446
18	Interest During Construction Fac. [BIDC]	0.0000
19	Common Equipment & Power Factor	0.0000
20	Land Factor	0.0000
21	Building Factor	0.0000
22	Sales Tax Factor	0.0000
23	Material Weighting	0.9936
24	Contractor Installation Weighting	0.0056
25	Contractor Engineering Weighting	0.0007
26	TELCO Installation Weighting	0.0000
27	TELCO Engineering Weighting	0.0001
28	Contractor Engineering Labor Rate	1.00
29	Contractor Installer Labor Rate	1.00
30	TELCO Engineer Labor Rate	1.00
31	TELCO Engineer SS & Pension Factor	0.0000
32	TELCO Installer Labor Rate	1.00
33	TELCO Installer SS & Pension Factor	0.0000
34	TELCO Removal Labor Rate	1.00
35	TELCO Repair Labor Rate	1.00
36	Contractor Material Inflation Factor	0.0000
37	Other Material Inflation Factor	0.0000
38	Contractor Engineering Inflation Factor	0.0000
39	Contractor Inst. & Remov. Inflation Fact	0.0000
40	TELCO Engineering Inflation Factor	0.0000
41	TELCO Install. & Removal Inflation Factor	0.0000
42	Supply Expense Factor	0.0000
43	Incremental Expense Factor	0.0000
44	Tax Depreciation Method [KDEF]	1

10/14/96 2:47PM

2/11/97

TAB 15.0

**Ameritech Ohio
Unbundled Network Element: Daily Usage Feed
1997 Cost Study**

STUDY FACTOR DOCUMENTATION

ACAR = Ameritech Cost Analysis Resource binder. This is a centrally generated resource used by all cost managers and was used for a majority of the cost factors used in this cost study. Exceptions are documented in this section.

CONFIDENTIAL

FILE PATH: C:\WORK\EXCEL\UNE_DUFM_TELRIC\OHIO\OH_IND\A.DOC

Ameritech - Region
Unbundled Network Elements
DAILY USAGE FEED
1966 Cost Study

AMERITECH
Cost Analysis Resource
Tab 26
Issue Date: Sept-1995

TIME VALUE FACTOR FOR 11.5%

ANNUAL COMPOUNDING - BEGINNING OF YEAR AMOUNT

<u>YR.</u>	<u>P/F</u>	<u>F/P</u>	<u>A/P</u>	<u>P/A</u>	<u>A/F</u>	<u>F/A</u>
1	1.00000	1.00000	1.00000	1.00000	0.89686	1.11500
2	0.89686	1.11500	0.52719	1.89686	0.42405	2.35823
3	0.80436	1.24323	0.37020	2.70122	0.26706	3.74442
4	0.72140	1.38620	0.29217	3.42262	0.18903	5.29003
5	0.64699	1.54561	0.24572	4.06961	0.14258	7.01338

CONFIDENTIAL

SOLELY FOR USE BY EMPLOYEES OF AMERITECH COMPANIES WHO HAVE A NEED TO KNOW. NOT TO BE DISCLOSED TO OR
USED BY ANY OTHER PERSON WITHOUT PRIOR AUTHORIZATION.