

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **ADDITIONAL SUPPLEMENTAL DIRECT TESTIMONY**

3 **OF**

4 **STEVEN M. MCMAHON**

ORIGINAL

5
6 **Q. Please state your name and business address.**

7
8 A. My name is Steven M. McMahon. I am employed by
9 Sprint/United Management Company as Senior Manager-
10 Network Costing. My business address is 6360 Sprint
11 Parkway, Overland Park, Kansas 66251.

12
13 **Q. Are you the same Steven M. McMahon that presented**
14 **prior direct and supplemental direct testimony in this**
15 **case?**

16
17 A. Yes, I am.

18
19 **Q. What is the purpose of your additional supplemental**
20 **direct testimony?**

21
22 A. The purpose of my additional supplemental direct
23 testimony is to introduce and support Exhibits SMM-6
24 through SMM-13. While there are 24 NRCs that are

DOCUMENT NUMBER-DATE

06600 MAY 30 8

1 being changed, there are a smaller, common set of
2 reasons underlying the revisions.

3
4 Sprint's original UNE NRC cost model was used as a
5 basis for creating the new UNE NRCs required per the
6 Remand Order. It was realized shortly after Sprint's
7 filing on May 12, 2000 - which revised a single NRC
8 (involving Loop Pre-Qualification), that the original
9 UNE NRC cost model was lacking entries for certain
10 engineering functions associated with digital loops.
11 The proper inclusion of work times corresponding to
12 these engineering functions is the single reason
13 behind 18 of the 24 NRC revisions.

14

15 **Q. Are there other reasons underlying the other six (6)**
16 **NRC revisions?**

17

18 A. Yes. It was discovered that the NRC model was
19 referencing an incorrect cell for labor rates on three
20 (3) of the NRCs.

21

22 **Q. Are there other reasons underlying the other three (3)**
23 **NRC revisions?**

24

1 A. Yes. The other three (3) NRC revisions involve the
2 removal of charges that should not have been included
3 in the original filing. It was determined that the
4 "CT, DCOP, Migrate" NRC, does not apply to digital
5 data services. These services are removed in their
6 entirety upon receipt of a disconnect order. When
7 end-user customers want to change digital data service
8 providers, Sprint builds and tests an entire new data
9 facility from the end-user location to the new service
10 provider point of interconnection. This ensures that
11 end-user customers will experience minimal outage time
12 for their mission-critical data applications when
13 switching service providers.

14

15 **Q. Did you prepare a schedule that summarizes the effect**
16 **of these changes?**

17

18 A. Yes. Exhibit SMM-6 is a summary of Non-Recurring
19 Charge (NRC) UNE cost study revisions being filed with
20 this additional supplemental direct testimony. This
21 schedule lists the elements being revised, the old
22 NRC, the new NRC, the difference and the reason(s) for
23 revision.

24

1 The changes summarized on Exhibit SMM-6 are also
2 reflected on Pages 1-3 in the NRC Results Summary
3 section of the NRC cost study found under the "NRC"
4 tab of Volume III. These updated pages are labeled as
5 Exhibit SMM-7.

6
7 Exhibits SMM-8 through SMM-13 are the corresponding
8 revised pages of the NRC study that reflect the detail
9 and calculations of the changes outlined herein.

10

11 **Q. Does this conclude your supplemental testimony?**

12

13 **A. Yes.**

UNE NRC Revision Summary

Item	Installation Charges	Old	New	Diff	Reason for Change
		NRC	NRC		
1	4-Wire New - Addtl Line	\$ 48.42	\$ 44.78	\$ (3.64)	Incorrect cell reference for labor rate.
2	4 Wire Re-install (CT/DCOP/Migrate)	\$ 25.90	\$ 21.52	\$ (4.38)	Incorrect cell reference for labor rate.
3	2-Wire ISDN, BRI-IDSL Loop, First Line	\$ 107.11	\$ 120.57	\$ 13.46	Added 2 min for Facil. Coordinator and 20 min for OSP Eng.
4	2-Wire ISDN, BRI-IDSL Loop, Addtl Line	\$ 59.47	\$ 72.93	\$ 13.46	Added 2 min for Facil. Coordinator and 20 min for OSP Eng.
5	2-Wire ISDN, BRI-IDSL Loop, Re-install (CT,DCOP,Migrate)	\$ 22.65	\$ 22.36	\$ (0.29)	Incorrect cell reference for labor rate.
6	56, 64kbps Loop - First Line	\$ 121.68	\$ 171.41	\$ 49.73	Added 2 min for Facil. Coordinator, 20 min for OSP Eng., 30 minutes for ASR Eng, increased testing from 15 to 32 minutes.
7	56, 64 kbps Loop - Additional or Second Line	\$ 73.17	\$ 122.90	\$ 49.73	Added 2 min for Facil. Coordinator, 20 min for OSP Eng., 30 minutes for ASR Eng, increased testing from 15 to 32 minutes.
8	56, 64 kbps Loop - Re-install (CT,DCOP,Migrate)	\$ 27.40	\$ -	\$ (27.40)	Deleted NRC
9	DS1, ISDN-PRI Loop - First Line	\$ 121.68	\$ 194.38	\$ 72.70	Added 15 min for Facil. Coordinator, 20 min for OSP Eng., 30 minutes for ASR Eng, increased testing from 15 to 51 minutes.
10	DS1, ISDN-PRI Loop - Additional or Second Line	\$ 73.17	\$ 145.87	\$ 72.70	Added 15 min for Facil. Coordinator, 20 min for OSP Eng., 30 minutes for ASR Eng, increased testing from 15 to 51 minutes.
11	DS1, ISDN-PRI Loop - Re-install (CT,DCOP,Migrate)	\$ 27.40	\$ -	\$ (27.40)	Deleted NRC
UNE Combinations					
Enhanced Extended Link (EEL 1); DS0 Loop, 1/0 Mux, DS1 Transport					
12	EEL 1 - 4-Wire Analog - 2nd through 24th Lines, ordered same time for same location	\$ 120.03	\$ 116.39	\$ (3.64)	Variance resulted from change in item 1.
13	EEL 1 - 2-Wire Digital Loop, First Line	\$ 258.53	\$ 271.99	\$ 13.46	Variance resulted from change in item 3.
14	EEL 1 - 2-Wire Digital, 2nd through 24th Lines, ordered same time for same location	\$ 131.09	\$ 144.55	\$ 13.46	Variance resulted from change in item 4.
15	EEL 1 - 2-Wire Digital, 2nd through 24th Lines, ordered different times	\$ 178.73	\$ 192.18	\$ 13.46	Variance resulted from change in item 3.
16	EEL 1 - 4-Wire 56, 64 kbps Digital Loop - First Line	\$ 273.09	\$ 322.82	\$ 49.73	Variance resulted from change in item 6.
17	EEL 1 - 4-Wire 56, 64 kbps Digital, 2nd through 24th Lines, ordered same time for same loc.	\$ 144.79	\$ 194.52	\$ 49.73	Variance resulted from change in item 7.
18	EEL 1 - 4-Wire 56, 64 kbps Digital, 2nd through 24th Lines, ordered different times	\$ 193.29	\$ 243.02	\$ 49.73	Variance resulted from change in item 6.
Enhanced Extended Link (EEL 2); DS1 Loop, DS1 Transport					
19	EEL 2 - DS1 Loop, DS1 Interoffice Transport	\$ 201.48	\$ 274.18	\$ 72.70	Variance resulted from change in item 9.
20	EEL 2 - DS1 Loop, DS1 Transport - Migrate	\$ 82.68	\$ -	\$ (82.68)	Deleted NRC
Enhanced Extended Link (EEL 3); DS1 Loop, 3/1 Mux, DS3 Transport					
21	EEL 3 - DS1 Loop - First DS1, DS1/3 Multiplexing, DS3 Interoffice Transport	\$ 304.32	\$ 377.02	\$ 72.70	Variance resulted from change in item 9.
22	EEL 3 - DS1 Loop - 2nd through 28th DS1's, DS1/3 Multiplexing, ordered same time for same loc	\$ 169.53	\$ 242.23	\$ 72.70	Variance resulted from change in item 10.
23	EEL 3 - DS1 Loop - 2nd through 28th DS1's, DS1/3 Multiplexing, ordered different times	\$ 218.04	\$ 290.74	\$ 72.70	Variance resulted from change in item 9.
Local Switching					
24	PBX Trunk Connection (DS1)	\$ 132.45	\$ 205.15	\$ 72.70	Variance resulted from change in item 9.

SUMMARY

Service Order Charges	NRC
Service Orders	
Manual Service Order	\$ 22.54
Electronic Service Order	\$ 3.06
Manual Service Order - Listing Only	\$ 11.88
Electronic Service Order - Listing Only	\$ 0.33
Manual Service Order - Change Only	\$ 11.04
Electronic Service Order - Change Only	\$ 1.33
LNP Administrative Charge	\$ 6.50

Installation Charges	NRC
Loops - Analog	
2-Wire New - First Line	\$ 72.98
2-Wire New - Addt'l Line	\$ 23.61
2 Wire Re-install (CT/DCOP/Migrate)	\$ 14.21
4-Wire New - First Line	\$ 94.15
A 4-Wire New - Addt'l Line	\$ 44.78
A 4 Wire Re-install (CT/DCOP/Migrate)	\$ 21.52
Loops - Digital	
A 2-Wire ISDN, BRI-IDSL Loop, First Line	\$ 120.57
A 2-Wire ISDN, BRI-IDSL Loop, Addt'l Line	\$ 72.93
A 2-Wire ISDN, BRI-IDSL Loop, Re-install (CT,DCOP,Migrate)	\$ 22.36
A 56, 64 kbps Loop - First Line	\$ 171.41
A 56, 64 kbps Loop - Addt'l Line	\$ 122.90
A DS1, ISDN-PRI Loop - First Line	\$ 194.38
A DS1, ISDN-PRI Loop - Addt'l Line	\$ 145.87
Loops - High-Capacity	
Add DS3 to existing system	\$ 86.28
Add OC3 to existing system	\$ 86.28
Add OC12 to existing system	\$ 86.28
Loops - Dark Fiber	
Dark Fiber Loop - Initial Patch Cord Installation, Field Location	\$ 20.16
Dark Fiber Loop - Additional Patch Cord Installation, Field Location, Same Time, Same Location	\$ 7.20
Dark Fiber Loop - Central Office Interconnection, 1-4 Patch Cords, per C.O.	\$ 171.50
Dark Fiber Loop - Special Construction for Fiber Pigtail	ICB
Sub-Loops	
Sub-Loop Interconnection (Stub Cable)	ICB
2-Wire First Line	\$ 62.36
2-Wire Addt'l Line	\$ 12.99
2-Wire Reinstall	\$ 29.45
4-Wire First Line	\$ 76.22
4-Wire Addt'l Line	\$ 20.79
4-Wire Reinstall Line	\$ 38.11
2W Disconnect Charge	\$ 20.79
4W Disconnect Charge	\$ 25.12
Loops - xDSL-Capable	
All Loops Less Than 18,000 Feet: Load Coil Removal; per xDSL-Capable Loop	\$ 1.44
2-Wire xDSL Loop - First Line	\$ 68.84
2-Wire xDSL Loop - Addt'l Line	\$ 19.47
2-Wire xDSL Loop - Re-install (CT,DCOP, Migrate)	\$ 10.08
4-Wire xDSL Loop - First Line	\$ 85.58
4-Wire xDSL Loop - Addt'l Line	\$ 37.08
4-Wire xDSL Loop - Re-install (CT,DCOP, Migrate)	\$ 12.96

"A" Reflects supplemental testimony of Steve McMahon filed May 26, 2000.

Installation Charges (continued)		NRC
Loop Conditioning per Location		
Engineering Charge - one per loop conditioned below		\$ 28.03
Travel Charge - one per loop conditioned below		\$ 15.59
Load Coil Removal; Loops Over 18,000 Feet		
Unload cable pair, UG, loop > 18kf, per location		\$ 397.39
Unload additional cable pair, UG, same time, location & cable, loop > 18kf		\$ 3.06
Unload cable pair, AE, loop > 18kf, per location		\$ 6.96
Unload add'l cable pair, AE, same time, location & cable, loop > 18kf		\$ 1.61
Unload cable pair, BU, loop > 18kf, per location		\$ 6.96
Unload add'l cable pair, BU, same time, location & cable, loop > 18kf		\$ 1.61
Remove Bridged Tap		
Remove Bridged Tap, UG, per location		\$ 394.78
Remove one (1) additional Bridged Tap, UG, same time, location & cable		\$ 0.45
Remove Bridged Tap, AE, per location		\$ 5.74
Remove one (1) additional Bridged Tap, AE, same time, location & cable		\$ 0.39
Remove Bridged Tap, BU, per location		\$ 5.74
Remove one (1) additional Bridged Tap, BU, same time, location & cable		\$ 0.39
Remove Repeater		
Remove Repeater, UG, per location		\$ 394.78
Remove additional Repeater, UG, same time, location & cable		\$ 0.45
Remove Repeater, AE per location		\$ 5.74
Remove additional Repeater, AE same time, location & cable		\$ 0.39
Remove Repeater, BU per location		\$ 5.74
Remove additional Repeater, BU same time, location & cable		\$ 0.39
UNE-Platform Combinations		
UNE-P 2-Wire Analog Loop - First Line, Switching, Common Transport		\$ 72.98
UNE-P 2-Wire Analog Loop - Add'l Line ordered same time to same location, Switching, Common Tr		\$ 23.61
UNE-P 2-Wire Analog Loop - Migrate Loop, Switching, Common Transport		\$ 14.21
Enhanced Extended Link; DS0 Loop, 1/0 Mux, DS1 Transport		
EEL 1 - 2-Wire Analog - First Line		\$ 224.39
EEL 1 - 2-Wire Analog - 2nd through 24th Lines, ordered same time for same location		\$ 95.22
EEL 1 - 2-Wire Analog - 2nd through 24th Lines, ordered different times		\$ 144.59
EEL 1 - 4-Wire Analog - First Line		\$ 245.56
A EEL 1 - 4-Wire Analog - 2nd through 24th Lines, ordered same time for same location		\$ 116.39
EEL 1 - 4-Wire Analog - 2nd through 24th Lines, ordered different times		\$ 165.76
A EEL 1 - 2-Wire Digital Loop, First Line		\$ 271.99
A EEL 1 - 2-Wire Digital, 2nd through 24th Lines, ordered same time for same location		\$ 144.55
A EEL 1 - 2-Wire Digital, 2nd through 24th Lines, ordered different times		\$ 192.18
A EEL 1 - 4-Wire 56, 64 kbps Digital Loop - First Line		\$ 322.82
A EEL 1 - 4-Wire 56, 64 kbps Digital, 2nd through 24th Lines, ordered same time for same location		\$ 194.52
A EEL 1 - 4-Wire 56, 64 kbps Digital, 2nd through 24th Lines, ordered different times		\$ 243.02
Enhanced Extended Link; DS1 Loop, DS1 Transport		
A EEL 2 - DS1 Loop, DS1 Interoffice Transport		\$ 274.18
Enhanced Extended Link; DS1 Loop, 3/1 Mux, DS3 Transport		
A EEL 3 - DS1 Loop - First DS1, DS1/3 Multiplexing, DS3 Interoffice Transport		\$ 377.02
A EEL 3 - DS1 Loop - 2nd through 28th DS1's, DS1/3 Multiplexing, ordered same time for same loc.		\$ 242.23
A EEL 3 - DS1 Loop - 2nd through 28th DS1's, DS1/3 Multiplexing, ordered different times		\$ 290.74
EEL 3 - DS1 Loop - Migrate DS1 to CLEC DS3		\$ 82.68
Local Switching		
PBX Trunk Connection Analog		\$ 86.95
PBX Trunk Connection (DS0)		\$ 86.95
A PBX Trunk Connection (DS1)		\$ 205.15

"A" Reflects supplemental testimony of Steve McMahon filed May 26, 2000.

Installation Charges (continued)	NRC
Switch Features	
Custom Calling Feature Package	\$ 3.25
CLASS Feature Package	\$ 3.90
Centrex Feature Package	\$ 24.86
Direct Connect	\$ 15.73
Conference Calling 6-Way Station Control	\$ 15.73
Multiline Hunt Service	\$ 15.73
Dial Transfer to Tandem Tie Line	\$ 74.54
Meet-Me Conference	\$ 22.84
3-Way Conference/Consultation Hold/Transfer	\$ 15.73
Customized Routing	
Switch Analysis	\$ 86.18
Host Switch Translations	\$ 1,723.60
Remote Switch Translations	\$ 1,292.70
Host TOPS Translations	\$ 344.72
Remote TOPS Translations	\$ 172.36
Operator Services Branding	
0 + Ten Digits	\$ 3,643.19
411	\$ 800.00
Transport	
911 Trunk 2 Wire Analog	\$ 116.44
Transport - DS1 Dedicated - Install	\$ 79.80
Transport - DS1 Migrate	\$ 82.68
Transport - DS3 Dedicated - Install	\$ 86.28
Interoffice Transmission - STP Ports	\$ 238.81
Interoffice Transmission - STP Link (56 kbps)	\$ 151.02
Multiplexing - DS1-DS0	\$ 71.61
Multiplexing - DS3-DS1	\$ 96.36
Dark Fiber Transport - Initial Installation, 1-4 Patch Cords, per C.O.	\$ 171.50

Other Charges	NRC
Other	
SS7 - Originating Point Code Service	\$ 21.55
SS7 - Global Title Address Translation	\$ 10.77
Nid Installation	\$ 17.32
B Pre-Order Digital Loop Qualification Inquiry	\$ 28.20
2-Wire Digital Data Loop Cooperative Testing	\$ 31.02
4-Wire Digital Data Loop Cooperative Testing	\$ 39.25
Trouble Isolation and Testing	\$ 37.48
Trip Charge	\$ 15.59
Dark Fiber End-to-End Testing, Initial Strand	\$ 47.51
Dark Fiber End-to-End Testing, Subsequent Strands	\$ 14.40

"B" Reflects supplemental testimony of Steve McMahon filed May 12, 2000.

Installation Charges - 2-Wire & 4-Wire Analog Loop																	
	Connect OSP	Field Completion Test	Avg. Trip Time	Terminate at NID or Protector	Close Order	Install NID	MDF Jumper	CO Completion Test	Remote Provisioning (est.)	Total I&R Minutes	Total Frame Minutes	Total CO Tech Minutes	Percent Occurrence Factors	Weighted I&R Time	Weighted Frame Time	Weighted CO Tech Time	Total NRC Cost
	I&R	I&R	I&R	I&R	I&R / COT	I&R	Frame	Frame	COT								
2 Wire Analog Loops - First Line																	
Outside Plant Interconnection Cost	21	5	18	3	5	20				72	0	0	100%	72.0	0.0	0.0	\$62.36
Central Office Interconnection Cost							7	2		0	9	0	100%	0.0	9.0	0.0	\$6.48
Provision NGDLC (Reduce by NGDLC Factor)									8	0	0	8	71.83%	0.0	0.0	5.7	\$4.14
Total														72.0	9.0	5.7	\$72.98
2 Wire Analog Loops - Add'l Line																	
Outside Plant Interconnection Cost	9	4	0	2	0	0				15	0	0	100%	15.0	0.0	0.0	\$12.99
Central Office Interconnection Cost							7	2		0	9	0	100%	0.0	9.0	0.0	\$6.48
Provision NGDLC (Reduce by NGDLC Factor)									8	0	0	8	71.83%	0.0	0.0	5.7	\$4.14
Total														15.0	9.0	5.7	\$23.61
2 Wire Re-install (CT/DCOP/Migrate)																	
Outside Plant Interconnection Cost	0	0	0	0		0				0	0	0	100%	0.0	0.0	0.0	\$0.00
Central Office Interconnection Cost					5		7	2			14	0	100%	0.0	14.0	0.0	\$10.08
Provision NGDLC (Reduce by NGDLC Factor)									8	0	0	8	71.83%	0.0	0.0	5.7	\$4.14
Total														0.0	14.0	5.7	\$14.21
4 Wire Analog Loops - First Line																	
4W Outside Plant Interconnection Cost	30	10	18	5	5	20				88	0	0	100%	88.0	0.0	0.0	\$76.22
4W Central Office Interconnection Cost							14	3		0	17	0	100%	0.0	17.0	0.0	\$12.24
4W Provision NGDLC (Reduce by NGDLC Factor)									11	0	0	11	71.83%	0.0	0.0	7.9	\$5.69
Total														88.0	17.0	7.9	\$94.15
4 Wire Analog Loops - Additional Line																	
4W Outside Plant Interconnection Cost	18	9	0	4	0	0				31	0	0	100%	31.0	0.0	0.0	\$26.85
4W Central Office Interconnection Cost							14	3		0	17	0	100%	0.0	17.0	0.0	\$12.24
4W Provision NGDLC (Reduce by NGDLC Factor)									11	0	0	11	71.83%	0.0	0.0	7.9	\$5.69
Total														31.0	17.0	7.9	\$44.78
4 Wire Re-install (CT/DCOP/Migrate)																	
4W Outside Plant Interconnection Cost	0	0	0	0		0				0	0	0	100%	0.0	0.0	0.0	\$0.00
4W Central Office Interconnection Cost					5		14	3		0	22	0	100%	0.0	22.0	0.0	\$15.84
4W Provision NGDLC (Reduce by NGDLC Factor)									11	0	0	11	71.83%	0.0	0.0	7.9	\$5.69
Total														0.0	22.0	7.9	\$21.52

Installation Charges - 2W ISDN, BRI - IDSL Loop					
First or New Line	Minutes	Hours	Rate	NRC	% weighted
Copper Served 28%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Trip	18	0.30	\$ 51.97	\$ 15.59	
Install NID	20	0.33	\$ 51.97	\$ 17.32	
Terminate at NID or protector	3	0.05	\$ 51.97	\$ 2.60	
Outside Plant Interconnection	21	0.35	\$ 51.97	\$ 18.19	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
Total	111	1.85		\$ 89.52	\$ 25.22
Small-DLC Served 5%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80	
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80	
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44	
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20	
Loop Qualification		-		\$ -	
Trip	18	0.30	\$ 51.97	\$ 15.59	
Install NID	20	0.33	\$ 51.97	\$ 17.32	
Terminate at NID or protector	3	0.05	\$ 51.97	\$ 2.60	
Outside Plant Interconnection	21	0.35	\$ 51.97	\$ 18.19	
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
	168	2.80		\$ 132.75	\$ 6.28
Large-DLC Served 67%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80	
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80	
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44	
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20	
Loop Qualification		-		\$ -	
Trip	18	0.30	\$ 51.97	\$ 15.59	
Install NID	20	0.33	\$ 51.97	\$ 17.32	
Terminate at NID or protector	3	0.05	\$ 51.97	\$ 2.60	
Outside Plant Interconnection	21	0.35	\$ 51.97	\$ 18.19	
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
	168	2.80		\$ 132.75	\$ 89.07
TOTAL NRC					\$ 120.57

Installation Charges - 2W ISDN, BRI - IDSL Loop					
Additional or Second Line					
	Minutes	Hours	Rate	NRC	% weighted
Copper Served 28%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector	3	0.05	\$ 51.97	\$ 2.60	
Outside Plant Interconnection	9	0.15	\$ 51.97	\$ 7.80	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order		-	\$ 51.97	\$ -	
Total	56	0.93		\$ 41.88	\$ 11.80
Small-DLC Served 5%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80	
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80	
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44	
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20	
Loop Qualification		-		\$ -	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector	3	0.05	\$ 51.97	\$ 2.60	
Outside Plant Interconnection	9	0.15	\$ 51.97	\$ 7.80	
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order		-	\$ 51.97	\$ -	
	113	1.88		\$ 85.11	\$ 4.03
Large-DLC Served 67%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80	
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80	
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44	
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20	
Loop Qualification		-		\$ -	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector	3	0.05	\$ 51.97	\$ 2.60	
Outside Plant Interconnection	9	0.15	\$ 51.97	\$ 7.80	
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order		-	\$ 51.97	\$ -	
	113	1.88		\$ 85.11	\$ 57.10
TOTAL NRC					\$ 72.93

Installation Charges - 2W ISDN, BRI - IDSL Loop					
Re-install (CT,DCOP,Migrate)					
	Minutes	Hours	Rate	NRC	% weighted
<i>Copper Served</i>					28%
Engineering		-	\$ 43.09	\$ -	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector		-	\$ 51.97	\$ -	
Outside Plant Interconnection		-	\$ 51.97	\$ -	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
Total	27	0.45		\$ 22.36	\$ 6.30
<i>Small-DLC Served</i>					5%
Engineering		-	\$ 43.09	\$ -	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Connect jumper DSX to fiber system		-	\$ 43.19	\$ -	
Connect jumper between DSX and remote fiber system		-	\$ 43.19	\$ -	
Place Plug-in Cards		-	\$ 43.19	\$ -	
Option Plug-in cards		-	\$ 43.19	\$ -	
Loop Qualification		-	\$ -	\$ -	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector		-	\$ 51.97	\$ -	
Outside Plant Interconnection		-	\$ 51.97	\$ -	
Circuit Engineering Provisioning		-	\$ 51.97	\$ -	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
Total	27	0.45		\$ 22.36	\$ 1.06
<i>Large-DLC Served</i>					67%
Engineering	0	-	\$ 43.09	\$ -	
Connect MDF Jumper	7	0.12	\$ 43.19	\$ 5.04	
Connect jumper DSX to fiber system		-	\$ 43.19	\$ -	
Connect jumper between DSX and remote fiber system		-	\$ 43.19	\$ -	
Place Plug-in Cards		-	\$ 43.19	\$ -	
Option Plug-in cards		-	\$ 43.19	\$ -	
Loop Qualification		-	\$ -	\$ -	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector		-	\$ 51.97	\$ -	
Outside Plant Interconnection		-	\$ 51.97	\$ -	
Circuit Engineering Provisioning		-	\$ 51.97	\$ -	
Conduct loop back analysis testing	15	0.25	\$ 51.97	\$ 12.99	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
Total	27	0.45		22.36	\$ 15.00
TOTAL NRC				\$ 22.36	

Installation Charges - 56, 64 kbps Loop					
First or New Line	Minutes	Hours	Rate	NRC	% weighted
Copper Served 28%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55	
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08	
Trip	18	0.30	\$ 51.97	\$ 15.59	
Install NID	20	0.33	\$ 51.97	\$ 17.32	
Terminate at NID or protector	5	0.08	\$ 51.97	\$ 4.33	
Outside Plant Interconnection	30	0.50	\$ 51.97	\$ 25.99	
Conduct testing	32	0.53	\$ 51.97	\$ 27.72	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
Total	176	2.93		\$ 140.36	\$ 39.54
Small-DLC Served 5%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55	
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08	
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80	
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80	
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44	
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20	
Loop Qualification				\$ -	
Trip	18	0.30	\$ 51.97	\$ 15.59	
Install NID	20	0.33	\$ 51.97	\$ 17.32	
Terminate at NID or protector	5	0.08	\$ 51.97	\$ 4.33	
Outside Plant Interconnection	30	0.50	\$ 51.97	\$ 25.99	
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99	
Conduct testing	32	0.53	\$ 51.97	\$ 27.72	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
Total	233	3.88		\$ 183.59	\$ 8.69
Large-DLC Served 67%					
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55	
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08	
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80	
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80	
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44	
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20	
Loop Qualification				\$ -	
Trip	18	0.30	\$ 51.97	\$ 15.59	
Install NID	20	0.33	\$ 51.97	\$ 17.32	
Terminate at NID or protector	5	0.08	\$ 51.97	\$ 4.33	
Outside Plant Interconnection	30	0.50	\$ 51.97	\$ 25.99	
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99	
Conduct testing	32	0.53	\$ 51.97	\$ 27.72	
Close Order	5	0.08	\$ 51.97	\$ 4.33	
Total	233	3.88		\$ 183.59	\$ 123.17
TOTAL NRC					\$ 171.41

Installation Charges - 56, 64 kbps Loop					
Additional or Second Line					
Copper Served	Minutes	Hours	Rate	NRC	% weighted
					28%
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55	
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector	4	0.07	\$ 51.97	\$ 3.46	
Outside Plant Interconnection	18	0.30	\$ 51.97	\$ 15.59	
Conduct testing	32	0.53	\$ 51.97	\$ 27.72	
Close Order		-	\$ 51.97	\$ -	
Total	120	2.00		\$ 91.85	\$ 25.88
Small-DLC Served					5%
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55	
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08	
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80	
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80	
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44	
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20	
Loop Qualification		-		\$ -	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector	4	0.07	\$ 51.97	\$ 3.46	
Outside Plant Interconnection	18	0.30	\$ 51.97	\$ 15.59	
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99	
Conduct testing	32	0.53	\$ 51.97	\$ 27.72	
Close Order		-	\$ 51.97	\$ -	
	177	2.95		\$ 135.08	\$ 6.39
Large-DLC Served					67%
OSP Facility Coordinator	2	0.03	\$ 30.07	\$ 1.00	
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46	
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55	
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08	
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80	
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80	
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44	
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20	
Loop Qualification		-		\$ -	
Trip		-	\$ 51.97	\$ -	
Install NID		-	\$ 51.97	\$ -	
Terminate at NID or protector	4	0.07	\$ 51.97	\$ 3.46	
Outside Plant Interconnection	18	0.30	\$ 51.97	\$ 15.59	
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99	
Conduct testing	32	0.53	\$ 51.97	\$ 27.72	
Close Order		-	\$ 51.97	\$ -	
	177	2.95		135.08	\$ 90.63
TOTAL NRC				\$ 122.90	

Installation Charges - DS1, ISDN-PRI Loop						
First or New Line						
Copper Served	Minutes	Hours	Rate	NRC	% weighted 28%	
OSP Facility Coordinator	15	0.25	\$ 30.07	\$ 7.52		
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46		
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55		
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08		
Trip	18	0.30	\$ 51.97	\$ 15.59		
Install NID	20	0.33	\$ 51.97	\$ 17.32		
Terminate at NID or protector	5	0.08	\$ 51.97	\$ 4.33		
Outside Plant Interconnection	30	0.50	\$ 51.97	\$ 25.99		
Conduct testing	51	0.85	\$ 51.97	\$ 44.17		
Close Order	5	0.08	\$ 51.97	\$ 4.33		
Total	208	3.47		\$ 163.33	\$	46.01
Small-DLC Served 5%						
OSP Facility Coordinator	15	0.25	\$ 30.07	\$ 7.52		
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46		
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55		
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08		
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80		
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80		
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44		
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20		
Loop Qualification		-		\$ -		
Trip	18	0.30	\$ 51.97	\$ 15.59		
Install NID	20	0.33	\$ 51.97	\$ 17.32		
Terminate at NID or protector	5	0.08	\$ 51.97	\$ 4.33		
Outside Plant Interconnection	30	0.50	\$ 51.97	\$ 25.99		
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99		
Conduct testing	51	0.85	\$ 51.97	\$ 44.17		
Close Order	5	0.08	\$ 51.97	\$ 4.33		
	265	4.42		\$ 206.56	\$	9.78
Large-DLC Served 67%						
OSP Facility Coordinator	15	0.25	\$ 30.07	\$ 7.52		
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46		
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55		
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08		
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80		
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80		
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44		
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20		
Loop Qualification		-		\$ -		
Trip	18	0.30	\$ 51.97	\$ 15.59		
Install NID	20	0.33	\$ 51.97	\$ 17.32		
Terminate at NID or protector	5	0.08	\$ 51.97	\$ 4.33		
Outside Plant Interconnection	30	0.50	\$ 51.97	\$ 25.99		
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99		
Conduct testing	51	0.85	\$ 51.97	\$ 44.17		
Close Order	5	0.08	\$ 51.97	\$ 4.33		
	265	4.42		\$ 206.56	\$	138.59
TOTAL NRC					\$	194.38

Installation Charges - DS1, ISDN-PRI Loop						
Additional or Second Line						
Copper Served	Minutes	Hours	Rate	NRC	% weighted 28%	
OSP Facility Coordinator	15	0.25	\$ 30.07	\$ 7.52		
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46		
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55		
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08		
Trip			\$ 51.97	\$ -		
Install NID			\$ 51.97	\$ -		
Terminate at NID or protector	4	0.07	\$ 51.97	\$ 3.46		
Outside Plant Interconnection	18	0.30	\$ 51.97	\$ 15.59		
Conduct testing	51	0.85	\$ 51.97	\$ 44.17		
Close Order			\$ 51.97	\$ -		
Total	152	2.53		\$ 114.83	\$	32.35
Small-DLC Served 5%						
OSP Facility Coordinator	15	0.25	\$ 30.07	\$ 7.52		
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46		
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55		
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08		
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80		
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80		
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44		
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20		
Loop Qualification				\$ -		
Trip			\$ 51.97	\$ -		
Install NID			\$ 51.97	\$ -		
Terminate at NID or protector	4	0.07	\$ 51.97	\$ 3.46		
Outside Plant Interconnection	18	0.30	\$ 51.97	\$ 15.59		
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99		
Conduct testing	51	0.85	\$ 51.97	\$ 44.17		
Close Order			\$ 51.97	\$ -		
	209	3.48		\$ 158.05	\$	7.48
Large-DLC Served 67%						
OSP Facility Coordinator	15	0.25	\$ 30.07	\$ 7.52		
OSP Engineer	20	0.33	\$ 37.37	\$ 12.46		
ASR Engineer	30	0.50	\$ 43.09	\$ 21.55		
Connect MDF Jumper	14	0.23	\$ 43.19	\$ 10.08		
Connect jumper DSX to fiber system	15	0.25	\$ 43.19	\$ 10.80		
Connect jumper between DSX and remote fiber system	15	0.25	\$ 43.19	\$ 10.80		
Place Plug-in Cards	2	0.03	\$ 43.19	\$ 1.44		
Option Plug-in cards	10	0.17	\$ 43.19	\$ 7.20		
Loop Qualification				\$ -		
Trip			\$ 51.97	\$ -		
Install NID			\$ 51.97	\$ -		
Terminate at NID or protector	4	0.07	\$ 51.97	\$ 3.46		
Outside Plant Interconnection	18	0.30	\$ 51.97	\$ 15.59		
Circuit Engineering Provisioning	15	0.25	\$ 51.97	\$ 12.99		
Conduct testing	51	0.85	\$ 51.97	\$ 44.17		
Close Order			\$ 51.97	\$ -		
	209	3.48		158.05	\$	106.04
TOTAL NRC					\$	145.87

Installation Charges - UNE-P Combinations and EEL1, EEL2, EEL3	
UNE-Platform Combinations	
UNE-P 2-Wire Analog Loop - First Line, Switching, Common Transport	
2-Wire Analog Loop	\$ 72.98
Switching	\$ -
Common Transport	\$ -
Total	\$ 72.98
UNE-P 2-Wire Analog Loop - Addt'l Line ordered same time to same location, Switching, Common Transport	
UNE-P 2-Wire Analog Loop - Addt'l Line ordered same time to same location	\$ 23.61
Switching	\$ -
Common Transport	\$ -
Total	\$ 23.61
UNE-P 2-Wire Analog Loop - Migrate Loop, Switching, Common Transport	
UNE-P 2-Wire Analog Loop - Migrate Loop	\$ 14.21
Switching	\$ -
Common Transport	\$ -
Total	\$ 14.21

Installation Charges - UNE-P Combinations and EEL1, EEL2, EEL3

Enhanced Extended Link; DS0 Loop, 1/0 Mux, DS1 Transport	
EEL 1 - 2-Wire Analog - First Line, 1/0 Mux, DS1 Transport	
2-Wire Analog - First Line	\$ 72.98
1/0 Mux	\$ 71.61
DS1 Transport	\$ 79.80
Total	\$ 224.39
EEL 1 - 2-Wire Analog - 2nd through 24th Lines, ordered same time for same location, 1/0 Mux, DS1 Transport	
2-Wire Analog - 2nd through 24th Lines, ordered same time for same location	\$ 23.61
1/0 Mux	\$ 71.61
DS1 Transport	
Total	\$ 95.22
EEL 1 - 2-Wire Analog - 2nd through 24th Lines, ordered different times, 1/0 Mux, DS1 Transport	
2-Wire Analog - 2nd through 24th Lines, ordered different times	\$ 72.98
1/0 Mux	\$ 71.61
DS1 Transport	
Total	\$ 144.59
EEL 1 - 4-Wire Analog - First Line, 1/0 Mux, DS1 Transport	
4-Wire Analog - First Line	\$ 94.15
1/0 Mux	\$ 71.61
DS1 Transport	\$ 79.80
Total	\$ 245.56
EEL 1 - 4-Wire Analog - 2nd through 24th Lines, ordered same time for same location, 1/0 Mux, DS1 Transport	
4-Wire Analog - 2nd through 24th Lines, ordered same time for same location	\$ 44.78
1/0 Mux	\$ 71.61
DS1 Transport	
Total	\$ 116.39
EEL 1 - 4-Wire Analog - 2nd through 24th Lines, ordered different times, 1/0 Mux, DS1 Transport	
4-Wire Analog - 2nd through 24th Lines, ordered different times	\$ 94.15
1/0 Mux	\$ 71.61
DS1 Transport	
Total	\$ 165.76

Installation Charges - UNE-P Combinations and EEL1, EEL2, EEL3	
EEL 1 - 2-Wire Digital Loop, First Line 1/0 Mux, DS1 Transport	
2-Wire Digital Loop	\$ 120.57
1/0 Mux	\$ 71.61
DS1 Transport	\$ 79.80
Total	\$ 271.99
EEL 1 - 2-Wire Digital, 2nd through 24th Lines, ordered same time for same location, 1/0 Mux, DS1 Transport	
2-Wire Digital, 2nd through 24th Lines	\$ 72.93
1/0 Mux	\$ 71.61
DS1 Transport	
Total	\$ 144.55
EEL 1 - 2-Wire Digital, 2nd through 24th Lines, ordered different times, 1/0 Mux, DS1 Transport	
2-Wire Digital, 2nd through 24th Lines, ordered different times	\$ 120.57
1/0 Mux	\$ 71.61
DS1 Transport	
Total	\$ 192.18
EEL 1 - 4-Wire Digital Loop - First Line, 1/0 Mux, DS1 Transport	
4-Wire Digital Loop - First Line	\$ 171.41
1/0 Mux	\$ 71.61
DS1 Transport	\$ 79.80
Total	\$ 322.82
EEL 1 - 4-Wire Digital, 2nd through 24th Lines, ordered same time for same location, 1/0 Mux, DS1 Transport	
4-Wire Digital, 2nd through 24th Lines, ordered same time for same location	\$ 122.90
1/0 Mux	\$ 71.61
DS1 Transport	
Total	\$ 194.52
EEL 1 - 4-Wire Digital, 2nd through 24th Lines, ordered different times, 1/0 Mux, DS1 Transport	
4-Wire Digital, 2nd through 24th Lines, ordered different times	\$ 171.41
1/0 Mux	\$ 71.61
DS1 Transport	
Total	\$ 243.02

Installation Charges - UNE-P Combinations and EEL1, EEL2, EEL3

Enhanced Extended Link; DS1 Loop, DS1 Transport	
EEL 2 - DS1 Loop, DS1 Interoffice Transport	
DS1 Loop	\$ 194.38
DS1 Interoffice Transport	\$ 79.80
Total	\$ 274.18
Enhanced Extended Link; DS1 Loop, 3/1 Mux, DS3 Transport	
EEL 3 - DS1 Loop - First DS1, 3/1 Multiplexing, DS3 Interoffice Transport	
DS1 Loop - First DS1	\$ 194.38
3/1 Multiplexing	\$ 96.36
DS3 Interoffice Transport	\$ 86.28
Total	\$ 377.02
EEL 3 - DS1 Loop - 2nd through 28th DS1's, 3/1 Multiplexing, ordered same time for same location, DS3 Transport	
DS1 Loop - 2nd through 28th DS1's, ordered same time for same location	\$ 145.87
3/1 Multiplexing, ordered same time for same location	\$ 96.36
DS3 Transport	
Total	\$ 242.23
EEL 3 - DS1 Loop - 2nd through 28th DS1's, 3/1 Multiplexing, ordered different times, DS3 Transport	
DS1 Loop - 2nd through 28th DS1's, ordered different times	\$ 194.38
3/1 Multiplexing, ordered different times	\$ 96.36
DS3 Transport	
Total	\$ 290.74
EEL 3 - DS1 Loop - Migrate DS1 Transport to CLEC DS3	
DS1 Loop	\$ -
3/1 Mux	\$ -
DS3 Transport	\$ 82.68
Total	\$ 82.68

