Request for City Council Committee Action
From the department of Public Works and Purchasing

Date January 22, 2002

To Ways and Means Committee

Prepared Gary Warnberg Director, Purchasing

Approved by Karl Kaiser Chief Information Officer

Subject **Official Publication No. 5761 - Bids for Voice and Data Cabling, Parts and Install**

Presenters in Committee Karl Kaiser Chief Information Officer

Recommendation
Acceptance of the low bids as indicated as below to furnish and deliver voice and cable delivery, installation and testing for ITS as needed through December 31, 2003, all in accordance with attached Price Schedules, as follows:

Network Design, Inc. - for an estimated expenditure of $ 975,000.00
Quantities maybe increased up to 100% at the same prices and conditions.

Terms are net 30 days. F.O.B.: Destination.

Metro Communication Service - for an estimated expenditure of $ 120,000.00
Quantities maybe increased up to 100% at the same prices and conditions.
Vendor offers to extend through the year 2006 at the sole option of the City of Minneapolis.

Terms are net 30 days. F.O.B.: Destination.

Further recommend proper City Officers be authorized and directed to execute a contract for these services all in accordance with our specifications.

Financial Impact (Check those that apply)
____ No financial impact (If checked, go directly to Background/Supporting Information)

___ Action requires an appropriation increase to the Capital Budget
___ Action requires an appropriation increase to the Operating Budget
___ Action provides increased revenue for appropriation increase
___ Action requires use of contingency or reserves
_X_ Other financial impact (Explain): Action is within Budget

___Request provided to the Budget Office when provided to the Committee Coordinator

Background/Supporting Information
Tabulation of bids received on Official Publication No. 5761 for Voice and Data Cabling Parts and Install for the ITS Department is attached.

cc: N. Larkey
R. Nubbe (approved by Civil Rights Contract Compliance)

Offr. Publ. # 5761
Bids opened 10 AM, CST
December 5, 2001

Company Name Network Design Incorporated

Date December 10, 2001

(2)

Bid Form

Est. Annual Expenditure — $975,000

PLEASE NOTE OUR NEW ADDRESS:
Purchasing Department
330 Second Avenue South - Suite 552
Minneapolis, MN 55401

My/Our bid for voice and data cable delivery, installation and testing as needed and called for during the period of January 1, 2002 through December 31, 2003, all in accordance with your specifications, is as follows:

Total Estimated Expenditure $ 1,069,000.00 Quantities are not guaranteed.

	Type	Product No.	Material ID	Unit Prices
1. Cable - Copper (Category 6) Non Plenum (NEC/UL CM)				
a. Blue 1000 foot	4 pair GigaSPEED	1071CBL	107 987 190	$ 101.75 /1000 ft
b. Gray 1000 foot	4 pair GigaSPEED	1071CSL	107 987 141	$ 101.75 /1000 ft
2. Cable - Copper (Category 6) Plenum Rate (NEC/UL CMP)				
a. Blue 1000 foot	4 pair GigaSPEED	2071-004 ABL	107 987 786	$ 270.00 /1000 ft
b. Slate 1000 foot	4 pair GigaSPEED	2071-004 ASL	107 987 893	$ 270.00 /1000 ft
3. Cable - Copper (Category 3) Non Plenum (NEC/UL CM)				
a. Gray 1000 foot	4 pair	1010-004AGY	106062524	$ 60.18 /1000 ft
4. Cable - Copper (Category 3) Plenum Rate (NEC/UL CMP)				
a. White 1000 foot	4 pair	2010-004BWH	107078396	$ 111.30 /1000 ft
5. Cable - Copper (Riser) Non Plenum (NEC/UL Rated CMR)				
a. Gray	100 pair	ARMM	107 527 129	$ 1,702.80 /ea
b. Gray	200 pair	ARMM	107 527 285	$ 2,917.20 /ea
c. Gray	300 pair	ARMM	107 527 293	$ 4,134.00 /ea
d. Gray	400 pair	ARMM	107 527 301	$ 5,347.00 /ea

Company Name Network Design Incorporated

		Outside Diameter	Pair Count	Material ID	Unit Price
6.	**Cable Copper**				
	Outside Plant Copper				
a.	ANMW-0025	0.61 in (1.55 cm)	25	106 583 909	$ 507.60 /1000 ft
b.	ANMW-0100	0.99 in (2.50 cm)	100	106 583 933	$ 915.60 /1000 ft
c.	ANMW-0200	1.29 in (3.23 cm)	200	106 583 958	$ 1,752.00 /1000 ft
d.	ANMW-0400	1.65 in (4.22 cm)	400	106 583 974	$ 3,915.90 /1000 ft
e.	ANMW-0600	2.01 in (5.11 cm)	600	106 583 982	$ 7,827.60 /1000 ft
7.	**Cable - Fiber**				
	Non Plenum (NEC/UL Rated CMR) Multimode 62.5/125 micron)				
a.	AVAYA ABC-006D-LRX	6 strand Gray		700 009 509	$ 768.00 /1000 ft
b.	AVAYA ABC-012D-LRX	12 strand Gray		700 009 384	$ 1,500.00 /1000 ft
c.	AVAYA ABC-024D-LRX	24 strand Gray		700 009 269	$ 3,084.00 /1000 ft
d.	AVAYA ABC-048D-LRX	48 strand Gray		700 009 087	$ 7,140.00 /1000 ft
8.					
	Plenum (NEC/UL Rated CMP) Multimode 62.51/125 micron)				
a.	AVAYA ABC-006D-LPX	6 strand		700 009 517	$ 864.00 /1000 ft
b.	AVAYA ABC-012D-LPX	12 strand		700 009 392	$ 1,596.00 /1000 ft
c.	AVAYA ABC-024D-LPX	24 strand		700 009 277	$ 3,516.00 /1000 ft
d.	AVAYA ABC-048D-LPX	48 strand		700 009 095	$ 7,704.00 /1000 ft
9.					
	Non-Plenum (NEC/UL Rated CMR) Singlemode 8.3/125 micron)				
a.	AVAYA ABC-006D-SRX	6 strand		700 009 467	$ 540.00 /1000 ft
b.	AVAYA ABC-012D-SRX	12 strand		700 009 343	$ 1,056.00 /1000 ft
c.	AVAYA ABC-024D-SRX	24 strand		700 009 228	$ 2,376.00 /1000 ft
d.	AVAYA ABC-048D-SRX	48 strand		700 009 046	$ 4,380.00 /1000 ft

Company Name Network Design Incorporated

10.

Plenum (NEC/UL Rated CMP) Singlemode 8.3/125 mircon)

a.	AVAYA ABC-006D-SPX	6 strand		700 009 475	$ 600.00 /1000 ft
b.	AVAYA ABC-012D-SPX	12 strand		700 009 350	$ 1,164.00 /1000 ft
c.	AVAYA ABC-024D-SPX	24 strand		700 009 236	$ 2,616.00 /1000 ft
d.	AVAYA ABC-048D-SPX	48 strand		700 009 053	$ 4,668.00 /1000 ft

11. LazrSPEED Fiber Supporting a full 300M @ 10 Gbps (Multimode 50/125 micron)

a.	CLB-BC-006D-ZPX O LazrSpeed Teal	10 Gbps/300 meters	6 strand	700 009 772	$ 3,540.00 /1000 ft
b.	CLB-BC-012D-ZPX O LazrSpeed Teal	10 Gbps/300 meters	12 strand	700 009 731	$ 5,160.00 /1000 ft

12. Building Hardware

	Hardware - Copper	Patch Panel	Universal GigaSpeed			
a.		PM2160-24GS Panel Kit	4 pair GigaSpeed	Kit (568A/B wired)	108 619 347	$ 182.00 /kit

13. Hardware Copper **110 Connector System** **Field Terminated 110 kits**

a.	110AB2-100 ft	110 blocks are kits comprised of the 110 blocks 4 pair labels & label holders 100 pair 110A Block with 4 pair connectors	107 058 919	$ 20.28 /kit
b.	110AB2-300 ft	110 blocks are kits comprised of the 110 blocks 4 pair labels and label holders 300 pair 110A Block with 4 pair connectors	107 058 943	$ 59.10 /kit

14. Hardware - Fiber

a.	Patch Panel 600 B2 Shelf (19" mtg)	24" port shelf - 1U Sliding Rack	700 007 321	$ 93.78 /panel
b.	Panels Pre-equipped with connector coupling 24SC1EW	equipped with 24 SC MM/SM Coupling	700 006 463	$ 256.80 /panel
c.	Cover 184U1 Cover		700 005 010	$ 20.76 /each
d1.	Fiber Optic Connectors P6201A-Z-126	Multimode SC Connector - .900 um	700 007 024	$ 7.74 /each
d2.	Fiber Optic Connectors P6001A-Z-126	Singlemode SC Connector - .900 um	700 006 976	$ 19.44 /each

Company Name Network Design Incorporated

15. Hardware - Fiber					
a.		Fan Out Kit D-181683	For Outside Fiber Cable One kit per - cable end	700 006 125	$ 11.16 /kit
b.		AT-8502	B-Sealant per 5 cable - ends	700 010 911	$ 51.82 /kit
16. Hardware - Copper		Flush Mount Modular Faceplates			
a. M12LE-246	Ivory	2 port Faceplate		108 333 055	$ 1.50 /each
b. M14LE-246	Ivory	4 port Faceplate		108 333 154	$ 1.50 /each
c. M16LE-246	Ivory	6 port Faceplate		108 333 204	$ 1.50 /each
17. Hardware - Copper					
Modular Jack		GigaSpeed			
a. MGS300BH-270	Gray	MGS 300 Jacks		108 601 899	$ 5.90 /each
b. MGS300BH-318	Blue	MGS 300 Jacks		108 601 915	$ 5.90 /each
18. Hardware - Copper					
Protector Panel		Electrical Protection Devices			
a. 489ACA1-100		110 Connector		107 894 925	$ 534.00 /each
b. 4C1S		Protector	Solid State with heat coils	104 386 545	$ 3.24 /each
19. Copper - Patch Cords	Category 6 GigaSPEED		Patch Cords 8 pin (modular to modular)		
a. D8CM-5			Gray 5 foot cord	108 556 449	$ 3.24 /each
b. D8CM-7			Gray 7 foot cord	108 544 529	$ 4.70 /each
c. D8CM-9			Gray 9 foot cord	108 566 472	$ 4.94 /each
20. Fiber - Patch Cords	**SC to SC Multimode MiniCordage (duplex)**				
a. FL2SC-SC-05 SM	5 ft		5 foot cord	107 122 632	$ 62.70 /each
b. FL2SC-SC-10 SM	10 ft		10 foot cord	107 122 640	$ 69.72 /each
21. Fiber - Patch Cords	**SC to SC Singlemode Patch Cord (Duplex)**				
a. FS2SC-SC-05 SM	5 ft		5 foot cord	700 011 026	$ 115.98 /each
b. FS2SC-SC-10 SM	10 ft		10 foot cord	700 011 018	$ 117.72 /each

Company Name Network Design Incorporated

22. Equipment - Rack	19 inch Rack System			
a. RK110B Racks	Univ Rack 2S 19 X 7-0 Blk UL Listed		108 527 458	$ 218.76 /each
b. EC110A	Cable Management Vertical (Racks)		108 528 837	$ 262.80 /each
Labor Rate - per hour	Installation	$ 34.00 /hour		

Prices firm for initial contract period. Price increase allowed for contract extension period based on CP1-Urban.

Vendor offers to extend terms and conditions an additional one (1) year period (through December 31, 2004) at the sole option of the City of Minneapolis: Yes ____ No X

An additional second year period (through December 31, 2005) at the sole option of the City of Minneapolis: Yes ____ No X

For a third year period (through December 31, 2006) at the sole option of the City of Minneapolis: Yes ____ No X

Bidder offers to same prices, conditions and terms to 100% increase above estimated annual amount of expected expenditure: Yes X No ____

Bidder offers to extend prices, conditions and terms to other City of Minneapolis departments and boards: Yes X No ____

Successful bidder will be required to enter into a formal contract and provide a Performance Bond and Payment Bond in the full amount of the contract.

Cash discount 0 % 20 days Net 30 days Acknowledge Addenda No. 1 2 ____

Bidder must supply Federal Tax ID No. or Social Security No. 41-1876501
If Social Security Number is provided, this individuals name must be included as Bidder.

Bidder affirms that this bid(s) has been arrived at by the bidder independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other bidder of materials, supplies, equipment and/or services described in the Invitation to Bid, designed to limit independent bidding or competition.

Offl. Publ. # 5761
Bids opened 10 AM, CST
December 5, 2001

Company Name Metro Communication Services, Inc.

Date December 10, 2001

5

Est. Annual Exp.
$120,000

Bid Form

PLEASE NOTE OUR NEW ADDRESS:
Purchasing Department
330 Second Avenue South - Suite 552
Minneapolis, MN 55401

My/Our bid for voice and data cable delivery, installation and testing as needed and called for during the period of January 1, 2002 through December 31, 2003, all in accordance with your specifications, is as follows:

Total Estimated Expenditure $ 1,069,000.00 Quantities are not guaranteed.

	Type	Product No.	Material ID	Unit Prices
1. Cable - Copper (Category 6) Non Plenum (NEC/UL CM)				
a. Blue 1000 foot	4 pair GigaSPEED	1071CBL	107 987 190	$ 100.00 /1000 ft
b. Gray 1000 foot	4 pair GigaSPEED	1071CSL	107 987 141	$ 100.00 /1000 ft
2. Cable - Copper (Category 6) Plenum Rate (NEC/UL CMP)				
a. Blue 1000 foot	4 pair GigaSPEED	2071-004 ABL	107 987 786	$ 250.00 /1000 ft
b. Slate 1000 foot	4 pair GigaSPEED	2071-004 ASL	107 987 893	$ 250.00 /1000 ft
3. Cable - Copper (Category 3) Non Plenum (NEC/UL CM)				
a. Gray 1000 foot	4 pair	1010-004AGY	106062524	$ 50.00 /1000 ft
4. Cable - Copper (Category 3) Plenum Rate (NEC/UL CMP)				
a. White 1000 foot	4 pair	2010-004BWH	107078396	$ 100.00 /1000 ft
5. Cable - Copper (Riser) Non Plenum (NEC/UL Rated CMR)				
a. Gray	100 pair	ARMM	107 527 129	$ 1,560.00 ~~/ea~~ 1,000 ft. JW
b. Gray	200 pair	ARMM	107 527 285	$ 2,670.00 ~~/ea~~ 1,000 ft. JW
c. Gray	300 pair	ARMM	107 527 293	$ 3,790.00 ~~/ea~~ 1,000 ft. JW
d. Gray	400 pair	ARMM	107 527 301	$ 4,900.00 ~~/ea~~ 1,000 ft JW

Company Name Metro Communication Services, Inc.

		Outside Diameter	Pair Count	Material ID	Unit Price
6.	**Cable Copper**				
	Outside Plant Copper				
a.	ANMW-0025	0.61 in (1.55 cm)	25	106 583 909	$ 330.00 /1000 ft
b.	ANMW-0100	0.99 in (2.50 cm)	100	106 583 933	$ 900.00 /1000 ft
c.	ANMW-0200	1.29 in (3.23 cm)	200	106 583 958	$ 1,850.00 /1000 ft
d.	ANMW-0400	1.65 in (4.22 cm)	400	106 583 974	$ 3,340.00 /1000 ft
e.	ANMW-0600	2.01 in (5.11 cm)	600	106 583 982	$ 7,090.00 /1000 ft

7.	**Cable - Fiber**				
	Non Plenum (NEC/UL Rated CMR) Multimode 62.5/125 micron)				
a.	AVAYA ABC-006D-LRX	6 strand Gray		700 009 509	$ 760.00 /1000 ft
b.	AVAYA ABC-012D-LRX	12 strand Gray		700 009 384	$ 1,360.00 /1000 ft
c.	AVAYA ABC-024D-LRX	24 strand Gray		700 009 269	$ 2,820.00 /1000 ft
d.	AVAYA ABC-048D-LRX	48 strand Gray		700 009 087	$ 6,520.00 /1000 ft
8.					
	Plenum (NEC/UL Rated CMP) Multimode 62.51/125 micron)				
a.	AVAYA ABC-006D-LPX	6 strand		700 009 517	$ 790.00 /1000 ft
b.	AVAYA ABC-012D-LPX	12 strand		700 009 392	$ 1,460.00 /1000 ft
c.	AVAYA ABC-024D-LPX	24 strand		700 009 277	$ 3,230.00 /1000 ft
d.	AVAYA ABC-048D-LPX	48 strand		700 009 095	$ 7,040.00 /1000 ft
9.					
	Non-Plenum (NEC/UL Rated CMR) Singlemode 8.3/125 micron)				
a.	AVAYA ABC-006D-SRX	6 strand		700 009 467	$ 490.00 /1000 ft
b.	AVAYA ABC-012D-SRX	12 strand		700 009 343	$ 970.00 /1000 ft
c.	AVAYA ABC-024D-SRX	24 strand		700 009 228	$ 2,170.00 /1000 ft
d.	AVAYA ABC-048D-SRX	48 strand		700 009 046	$ 4,020.00 /1000 ft

Company Name Metro Communication Services, Inc.

10.

Plenum (NEC/UL Rated CMP) Singlemode 8.3/125 mircon)

a.	AVAYA ABC-006D-SPX	6 strand	700 009 475	$ 540.00	/1000 ft
b.	AVAYA ABC-012D-SPX	12 strand	700 009 350	$ 1,050.00	/1000 ft
c.	AVAYA ABC-024D-SPX	24 strand	700 009 236	$ 2,390.00	/1000 ft
d.	AVAYA ABC-048D-SPX	48 strand	700 009 053	$ 4,290.00	/1000 ft

11. LazrSPEED Fiber Supporting a full 300M @ 10 Gbps (Multimode 50/125 micron)

a.	CLB-BC-006D-ZPX O LazrSpeed Teal	10 Gbps/300 meters 6 strand	700 009 772	$ 3,240.00	/1000 ft
b.	CLB-BC-012D-ZPX O LazrSpeed Teal	10 Gbps/300 meters 12 strand	700 009 731	$ 4,730.00	/1000 ft

12. Building Hardware

	Hardware - Copper	Patch Panel	Universal GigaSpeed		
a.		PM2160-24GS Panel Kit	4 pair GigaSpeed	Kit (568A/B wired) 108 619 347	$ 166.30 /kit

13. Hardware Copper **110 Connector System** **Field Terminated 110 kits**

a.	110AB2-100 ft	110 blocks are kits comprised of the 110 blocks 4 pair labels & label holders 100 pair 110A Block with 4 pair connectors	107 058 919	$ 18.48 /kit
b.	110AB2-300 ft	110 blocks are kits comprised of the 110 blocks 4 pair labels and label holders 300 pair 110A Block with 4 pair connectors	107 058 943	$ 54.35 /kit

14. Hardware - Fiber

a.	Patch Panel 600 B2 Shelf (19" mtg)	24" port shelf - 1U Sliding Rack	700 007 321	$ 85.87	/panel
b.	Panels Pre-equipped with connector coupling 24SC1EW	equipped with 24 SC MM/SM Coupling	700 006 463	$ 234.24	/panel
c.	Cover 184U1 Cover		700 005 010	$ 18.97	/each
d1.	Fiber Optic Connectors P6201A-Z-126	Multimode SC Connector - .900 um	700 007 024	$ 7.07	/each
d2.	Fiber Optic Connectors P6001A-Z-126	Singlemode SC Connector - .900 um	700 006 976	$ 17.83	/each

Company Name Metro Communication Services, Inc.

15. Hardware - Fiber					
a.		Fan Out Kit D-181683	For Outside Fiber Cable One kit per - cable end	700 006 125	$ 10.22 /kit
b.		AT-8502	B-Sealant per 5 cable - ends	700 010 911	$ 46.93 /kit
16. Hardware - Copper		Flush Mount Modular Faceplates			
a. M12LE-246	Ivory	2 port Faceplate		108 333 055	$ 1.41 /each
b. M14LE-246	Ivory	4 port Faceplate		108 333 154	$ 1.41 /each
c. M16LE-246	Ivory	6 port Faceplate		108 333 204	$ 1.41 /each
17. Hardware - Copper					
Modular Jack		GigaSpeed			
a. MGS300BH-270	Gray	MGS 300 Jacks		108 601 899	$ 5.43 /each
b. MGS300BH-318	Blue	MGS 300 Jacks		108 601 915	$ 5.43 /each
18. Hardware - Copper					
Protector Panel		Electrical Protection Devices			
a. 489ACA1-100		110 Connector		107 894 925	$ 485.87 /each
b. 4C1S		Protector	Solid State with heat coils	104 386 545	$ 2.99 /each
19. Copper - Patch Cords	Category 6 GigaSPEED		Patch Cords 8 pin (modular to modular)		
a. D8CM-5			Gray 5 foot cord	108 556 449	$ 4.51 /each
b. D8CM-7			Gray 7 foot cord	108 544 529	$ 4.32 /each
c. D8CM-9			Gray 9 foot cord	108 566 472	$ 4.57 /each
20. Fiber - Patch Cords	**SC to SC Multimode MiniCordage (duplex)**				
a. FL2SC-SC-05 SM	5 ft		5 foot cord	107 122 632	$ 57.61 /each
b. FL2SC-SC-10 SM	10 ft		10 foot cord	107 122 640	$ 63.86 /each
21. Fiber - Patch Cords	**SC to SC Singlemode Patch Cord (Duplex)**				
a. FS2SC-SC-05 SM	5 ft		5 foot cord	700 011 026	$ 106.20 /each
b. FS2SC-SC-10 SM	10 ft		10 foot cord	700 011 018	$ 107.83 /each

Company Name Metro Communication Services,

22. Equipment - Rack	19 inch Rack System			
a. RK110B Racks	Univ Rack 2S 19 X 7-0 Blk UL Listed		108 527 458	$ 188.26
b. EC110A	Cable Management Vertical (Racks)		108 528 837	$ 240.22
Labor Rate - per hour	Installation	$ 40.00 /hour		

Prices firm for initial contract period. Price increase allowed for contract extension period based on CP1-Urban.

Vendor offers to extend terms and conditions an additional one (1) year period (through December 31, 2004) at the sole option of the City of Minneapolis: Yes No ____

An additional second year period (through December 31, 2005) at the sole option of the City of Minneapolis: Yes X No ____

For a third year period (through December 31, 2006) at the sole option of the City of Minneapolis: Yes X No ____

Bidder offers to same prices, conditions and terms to 100% increase above estimated annual amount of expected expenditure: Yes X No ____

Bidder offers to extend prices, conditions and terms to other City of Minneapolis departments and boards: Yes X No ____

Successful bidder will be required to enter into a formal contract and provide a Performance Bond and Payment Bond in the full amount of the contract.

Cash discount 0 (zero) % 20 days Net 30 days Acknowledge Addenda No. 1 2 ____

Bidder must supply Federal Tax ID No. or Social Security No. 41-1629679
If Social Security Number is provided, this individuals name must be included as Bidder.

Bidder affirms that this bid(s) has been arrived at by the bidder independently and has been submitted without collusion with, and without any ag understanding or planned common course of action with, any other bidder of materials, supplies, equipment and/or services described in the Invitation to Bid, to limit independent bidding or competition.

"BIDS FOR VOICE AND DATA CABLING, PARTS AND INSTALL" - ITS

Offl. Publ. #5761
Bids opened 10 AM, CST
December 11, 2001
Minneapolis MN

		Netversant of Mpls/St Paul	Network Design Inc.	Dell-Comm Inc.	Falcon Comm. Group	Metro Comm. Services Inc.			
	Bid Deposit - 2%	2,500.00 B	2,500.00 B	B 2%	2500.00 C	2,500.00 B			
	Cable - Copper Category 6								
1.	a. Blue $/1000	ft 108.40	101.75	106.85	93.27	100.00			
	b. Gray $/1000	ft 108.40	101.75	106.85	93.27	100.00			
	Cable - Copper Plenum Rate								
2.	a. Blue $/1000	ft 264.30	270.00	288.93	255.84	250.00			
	b. Slate $/1000	ft 264.30	270.00	288.93	255.84	250.00			
	Cable - Copper Cat 3 Non Plenum								
3.	a. Gray $/1000	ft 66.20	60.18	62.23	57.33	50.00			
	Cable Copper Cat 3 Plenum								
4.	a. White $/1000	ft 122.50	111.30	119.06	106.02	100.00			
	Cable Copper (Riser)								
5	a. Gray 100 pair $/1000	ft 1,873.20	1,702.80	1,820.29	1,749.69	1,560.00			
	b. Gray 200 pair $/1000	ft 3,210.70	2,917.20	3,121.66	2,999.39	2,670.00			
	c. Gray 300 pair $/1000	ft 4,383.20	4,134.00	4,423.41	4,252.20	3,790.00			
	d. Gray 400 pair $/1000	ft 5,233.00	5,347.00	5,721.35	5,499.12	4,900.00			
	Cable - Outside Plant Copper								
6	a. ANMW-0025 $/1000	ft 418.50	507.60	389.89	374.10	330.00			
	b. ANMW-0100 $/1000	ft 1,127.30	915.60	1,046.48	994.38	900.00			
	c. ANMW-0200 $/1000	ft 2,058.80	1,752.00	2,161.35	1,845.75	1,850.00			
	d. ANMW-0400 $/1000	ft 4,043.00	3,915.90	3,905.25	3,589.25	3,340.00			
	e. ANMW-0600 $/1000	ft 8,337.50	7,827.60	8,284.21	5,446.00	7,090.00			
	Cable - Fiber Non Plenum								
7.	a. AVAYA ABC-006D-LRX	870.60	768.00	.89	752.60	760.00			
	b. AVAYA ABC-012D-LRX	1,645.70	1500.00	1,587.50	1,423.00	1,360.00			
	c. AVAYA ABC-024D-LRX	3,400.70	3,084.00	3,289.30	2,935.00	2,820.00			
	d. AVAYA ABC-048D-LRX	7,271.30	7,140.00	7,620.00	6,797.60	6,520.00			

"BIDS FOR VOICE AND DTAA CABLING, PARTS AND INSTALL" - ITS

Offl. Publ. #5761
Page Four (4)

	1	2	3	4	5			
An add'l second year (12-31-05) Y/N	yes	no	yes	yes	yes			
For a third year (12-31-06) Y/N	yes	no	yes	yes	yes			
Bidder offers prices and terms to 100% increase	yes	yes	yes	yes	yes			
Bidder offes to extend prices to other departments	yes	yes	yes	yes	yes			
Cash discount - % 20 days	0	0	0*	0	0			
Acknowledge Addenda	1+2	1+2	1	1+2	1+2			

*Cry of 1 0/0 full amt contract for Bond

We, the undersigned, hereby certify that the above bids were publicly opened and read aloud:

P. O'Brien for
FINANCE OFFICER

Connie L. Beck
ASST. DIRECTOR, PURCHASING

Offl. Publ. #5761
Page Three (3)

		(1)	(2)	(3)	(4)	(5)			
	d2 Fiber Optic Connector	21.80	19.44	20.83	18.50	17.83			
	Hardware - Fiber								
15	a Fan Out Kit	12.10	11.16	11.94	10.60	10.22			
	b. AT-8502	54.00	51.82	55.56	47.48	46.93			
	Hardware - Copper								
16	a. M12LE-246 Ivory	1.60	1.50	1.65	143.00	1.41			
	b. M14LE-246 Ivory	1.60	1.50	1.65	143.00	1.41			
	c. M16LE-246 Ivory	1.60	1.50	1.65	143.00	1.41			
	Hardware Copper								
17	a. Modular Jack Gray	5.60	5.90	6.35	5.61	5.43			
	b. Blue	5.60	5.90	6.35	5.61	5.43			
	Hardware Copper								
18	a. Protector Panel	597.40	534.00	567.69	505.98	485.87			
	b. 4C1S	3.60	3.04	3.49	3.07	2.99			
	Copper Patch Cords								
19	D8CM-5	4.10	3.04	5.07	4.22	4.51			
	b. D8CM-7	4.50	4.70	5.04	4.47	4.32			
	c. D8CM-9	4.60	4.94	5.33	4.70	4.57			
	Fiber Patch Cords								
20	a FL2SC-SC-05 SM	60.10	62.70	67.31	59.69	57.61			
	b. FL2SC-SC-10 SM	66.80	69.72	74.81	46.40	63.86			
	Fiber Patch Cords								
21	a. FS2SC-SC-05	125.60	115.98	124.08	110.44	106.00			
	b. FS2SC-SC-10	127.50	117.72	126.00	111.97	107.83			
	Equipment - Rack								
22	a. RK110B Racks	231.20	218.26	220.00	201.24	188.26			
	b. EC110A	295.20	262.80	280.67	256.94	240.22			
	Labor Rate - per hour Installation $/hr	39.50	39.00	46.00	42.00	40.00			
	Vendor offers to extend for one add'l year (12-31-04)	yes	no	yes	yes	yes			

"BIDS FOR VOICE AND DTAA CABLING, PARTS AND INSTALL" - ITS

Offl. Publ. #5761
Page Four (4)

	1	2	3	4	5			
An add'l second year (12-31-05) Y/N	yes	no	yes	yes	yes			
For a third year (12-31-06) Y/N	yes	no	yes	yes	yes			
Bidder offers prices and terms to 100% increase	yes	yes	yes	yes	yes			
Bidder offes to extend prices to other departments	yes	yes	yes	yes	yes			
Cash discount - % 20 days	0	0	0*	0	0			
Acknowledge Addenda	1+2	1+2	1	1+2	1+2			

*Chg of 1% full amt. contract for Bond

We, the undersigned, hereby certify that the above bids were publicly opened and read aloud:

P. O'Brien for
FINANCE OFFICER

Connie L. Beck
ASST. DIRECTOR, PURCHASING