



County of El Paso Purchasing Department  
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## ADDENDUM 2

**To: All Interested Bidders**

**From: Lucy Balderama, Inventory Bid Technician**

**Date: June 9, 2011**

**Subject: BID # 11-019, Cabling Services for the County of El Paso**

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**The Purchasing Department received the following questions during the pre-bid conference to the above referenced proposal; the following is the response to the questions:**

1. These bids consist of fiber & copper. Do we have to bid on both?

No.

2. So there may be multiple awards?

Yes

3. So we will not be going through this process over and over?

No.

4. Does the City have someone doing the work right now?

What the City is doing right now is miscellaneous projects utilizing co-ops. The County is doing informal bids on basic projects that we are doing. We have awarded to a couple of different vendors on small project that come up.

5. Can we ask questions informally via e-mail or fax later or will you answer all of them here?

We will answer what we can here and anything that we cannot answer will come in for of an addendum. If you have questions later before the deadline will answer in the addendum as well. We will fax them to everybody here and all registered vendors.

6. All Vendors will have the same question and answers?

Yes.

7. It is very clear about the Panduit scope, but on the requirement on the warranty some of these manufacturers will have allied solutions for example Panduit general cable provides special warranty for that general cable is not listed. Are those kinds of thing allowed if we are using the required manufacturer?

Yes

8. So you are looking for equal consumer value?

Yes

9. So you are looking at the best solution for your buck?

We begin with Panduit, so if you could continue with the same standard.

10. So if we can get with a cable company and they provide the warranty, you are good with that?

Yes.

11. On Section 1 Page 4. How many copies of the proposals are you requesting?

One original and 3 copies.

12. Who is the incumbent?

No incumbent.

13. Does it migrate from Systemmax?

Yes

14. What is the estimated yearly value?

N/A

15. Do we need to go by any wage scale?

No. Not subject to prevailing wage.

16. How long do you need the proposal pricing for?

Pricing good for 90 days from the time the proposals are opened.

17. The City is tax exempt?

Yes.

## 18. Do you want us to price the Cable for Plenum or non?

Both. However, the City is requiring Plenum for all installations due to National Electric Code Standards. See Below:

Commercial constructions often use suspended ceilings as return passages for environmental air. These "plenum" spaces have become convenient wiring locations for a variety of applications. However, use of these areas may pose a serious hazard in the event of a fire. Once the fire reaches the plenum space, few barriers exist to contain the smoke and flames. Additionally, the plenum passage carries air at an increased velocity when the HVAC system is operational thereby moving this "returned" air at a greater velocity causing fire to spread more quickly. The National Fire Protection Association (NFPA) has recognized the potential for a hazard created by wire and cable in an environmental air space. Severe restrictions on cabling were included in the 1975 edition of the NEC. All following NEC editions set forth safety requirements for flammable insulations. The National Electric Code (NEC) states that all cabling not in conduit, installed in plenum spaces, shall be listed as having adequate fire-resistant and low smoke-producing characteristics.

Please refer to these articles:

CL2P: NEC Article 725 covers remote-control, signaling and power-limited circuits that are not an integral part of a device or appliance. Type CL2P (class 2 plenum) cables are listed as being suitable for use in ducts, plenums and other space used for environmental air and shall also be listed as having adequate fire-resistant and low smoke-producing characteristics.

FPLP: NEC Article 760 covers the installation of wiring and equipment of fire alarm systems including all circuits controlled and powered by the fire alarm system. Type FPLP (fire power limited plenum) cables are listed as being suitable for use in ducts, plenums and other space used for environmental air and shall also be listed as having adequate fire-resistant and low smoke-producing characteristics.

CMP &

MPP: NEC Article 800 covers telephone, telegraph (except radio), outside wiring for fire alarm and burglar alarm, and similar central station systems, and telephone systems not connected to a central station system but using similar types of equipment, methods of installation and maintenance. Type CMP (communications plenum) and MPP (multi-purpose plenum) cables are listed as being suitable for use in ducts, plenums and other space used for environmental air and shall also be listed as having adequate fire-resistant and low smoke-producing characteristics

19. The labor price table(Section2, 7.2), is the labor cost per pull cable (copper)/(fiber) for one cable only?

Yes.

20. What is the length?

Please see updated Tables for length requirements.

21. Is it a pull like in a Cat 6 cable and does that include terminating and testing?

End to end solution.

22. As far as the fiber cost per pull; how many strands do you base that price on?

**7.1 Materials**

<b>Cat 5 cable - installed, terminated, tested and labeled including wall plate, jack and certification report</b>	<b>Cost</b>	<b>Cost Plenum Rated</b>
0-10 Pulls		
0-150 ft		
151-300 ft.		
11- 50 Pulls		
0-150 ft		
151-300 ft.		
51-100 Pulls		
0-150 ft		
151-300 ft.		
101-200 Pulls		
0-150 ft		
151-300 ft.		
Over 200 Pulls		
0-150 ft		
151-300 ft.		
<b>Cat 5e cable - installed, terminated, tested and labeled including wall plate, jack and certification report</b>		
0-10 Pulls		
0-150 ft		
151-300 ft.		

11- 50 Pulls		
0-150 ft		
151-300 ft.		
51-100 Pulls		
0-150 ft		
151-300 ft.		
101-200 Pulls		
0-150 ft		
151-300 ft.		
Over 200 Pulls		
0-150 ft		
151-300 ft.		
<b>Cat 6 cable - installed, terminated, tested and labeled including wall plate, jack and certification report</b>		
0-10 Pulls		
0-150 ft		
151-300 ft.		
11- 50 Pulls		
0-150 ft		
151-300 ft.		
51-100 Pulls		
0-150 ft		
151-300 ft.		
101-200 Pulls		
0-150 ft		
151-300 ft.		
Over 200 Pulls		
0-150 ft		
151-300 ft.		
<b>Cat 6e cable - installed, terminated, tested and labeled including wall plate, jack and certification report</b>		
0-10 Pulls		
0-150 ft		

151-300 ft.		
11- 50 Pulls		
0-150 ft		
151-300 ft.		
51-100 Pulls		
0-150 ft		
151-300 ft.		
101-200 Pulls		
0-150 ft		
151-300 ft.		
Over 200 Pulls		
0-150 ft		
151-300 ft.		
<b>Cat 6a cable - installed, terminated, tested and labeled including wall plate, jack and certification report</b>		
0-10 Pulls		
0-150 ft		
151-300 ft.		
11- 50 Pulls		
0-150 ft		
151-300 ft.		
51-100 Pulls		
0-150 ft		
151-300 ft.		
101-200 Pulls		
0-150 ft		
151-300 ft.		
Over 200 Pulls		
0-150 ft		
151-300 ft.		
<b>(OPTIONAL) Cat 7 cable - installed, terminated, tested and labeled including wall plate, jack and certification report</b>		

0-10 Pulls		
0-150 ft		
151-300 ft.		
11- 50 Pulls		
0-150 ft		
151-300 ft.		
51-100 Pulls		
0-150 ft		
151-300 ft.		
101-200 Pulls		
0-150 ft		
151-300 ft.		
Over 200 Pulls		
0-150 ft		
151-300 ft.		
<b>Fiber Optic cable (Multi Mode) (50/125 OM2 Standard)</b>	Cost per foot	Cost Plenum Rated
Fiber cable should be quoted as a price per linear foot installed, terminated, tested and labeled with certification report		
2 Strands		
4 Strand		
6 Strands		
8 Strands		
10 Strands		
12 Strands		
60 Strands		
72 Strands		
96 Strands		
<b>Fiber Optic cable (Single Mode) - 28E Standard</b>		
Installed, terminated, tested and labeled with certification report		

2 Strands		
4 Strands		
6 Strands		
8 Strands		
10 Strands		
12 Strands		
60 Strands		
72 Strands		
96 Strands		
<b>Coax Cable for Video Distribution (CATV, CCTV (surveillance), satellite (DSS, VSAT)) - installed, terminated, tested and labeled including wall plate, jack and certification report</b>	Cost Per Foot	Cost Plenum Rated
RG6 Coaxial Cable Weatherproof direct burial cable for outdoor or indoor hook-up of satellite dish, off-air antenna,TVs, VCRs, etc.		
<b>Miscellaneous Cabling Products Description</b>		
19 Data Rack - Including rack screws and Installation kit" With grounding		
Ladder Rack-Including installation kit – (Price per ft)		
RaceWay (Price per foot)		
Conduit (2in PVC) (Price per Foot)		
24 Port Patch Modular		
48 port Patch Modular		
24 Port Patch Full		
48 port Patch Full		
Single Faceplate		
Dual Faceplate		
Quad Faceplate		
Six Port Faceplate		
Horizontal Rack Mount-3.5",Panduit" Wire Manager		
Horizontal Rack Mount-1.75",Panduit" Wire Manager		
Vertical-Dual Sided Rack Mount Wire Manager (Fits 19 Data Rack)		
Fiber 24 Port Box		



Fiber 72 Port Box		
Connectors: 50pk Bulk Price		
Cat 5		
Cat 5e		
Cat 6		
Cat 6e		
Cat 6a		
1000ft Cable Box: Bulk Price		
Cat 5		
Cat 5e		
Cat 6		
Cat 6e		
Cat 6a		
Cable Jumpers/Patch Bulk Price		
3 ft RJ45 Patch Cord		
Cat 5		
Cat 5e		
Cat 6		
Cat 6e		
Cat 6a		
5ft RJ45 Patch Cord		
Cat 5		
Cat 5e		
Cat 6		
Cat 6e		
Cat 6a		
7ft RJ45 Patch Cord		
Cat 5		
Cat 5e		
Cat 6		
Cat 6e		
Cat 6a		
10 ft - 15 ft RJ45 Patch Cord		
Cat 5		
Cat 5e		
Cat 6		
Cat 6e		

Note: Any material not listed here that is required for any cable job will be priced at fair market value and may be subject to audit to verify pricing by purchasing agent. This solicitation does not include or is requesting any Networking equipment or any other hardware components. This clarification is solely for items not included here that would be necessary for a cable pull or termination for a particular or specialized job that requires components not listed on these tables.

**7.2 Services and Labor Rates**

Cabling Services / Standard Rate	Cost
General Per Hour Rate	\$ -
Cabling Technical Support/Troubleshooting	\$ -
Cabling System Design/Large Project	\$ -
Cable Removal	\$ -
Furniture/ Office Equipment Moving and Replacing	\$ -
Labor Cost per Pull - Copper(No Materials)	
0ft – 150ft	\$ -
151ft – 300ft	\$ -
Cost per ft. after 300ft	
Labor Cost per Pull - Fiber (No Materials)	
0ft – 150ft	\$ -
151ft – 300ft	\$ -
Cost per ft. after 300ft	\$ -
Fiber Termination Labor Cost (Per Pair)	

23. Is there a preference form of connector? Do you want fiber splice connecting?

No.

24. Please elaborate on the plenty on services additionally that could be required under this matt contract that are not included on list such as raceway, conduit and that kind of thing and is that something we submit an addendum of products and services that could be needed on this contract?

Any material not listed here that is required for any cable job will be priced at fair market value and may be subject to audit to verify pricing by purchasing agent.

25. On the note at the bottom of the tables (pg 23) Stating that the any material not listed here that is required for any cable job will be priced at actual s and receipts must be provided to proved the cost. How will we be reimbursed for the actual cost? Our cost with not loading on top of it? Actual cost can mean different things.

Changed to read:

Any material not listed here that is required for any cable job will be priced at fair market value and may be subject to audit to verify pricing by purchasing agent.

26. On the addendum will you provide a list of the people that were here today?

Yes. Please view the list on line on our website at [www.epcounty.com](http://www.epcounty.com) click bids & more.

**The Purchasing Department received questions relating to the above referenced proposal; the following is the response to the questions:**

27. Is the pricing for material suppose to include labor and material or is the unit price for material only for the quantity of pulls listed?

For pulls, please quote as Labor and Material.

28. How many strands of MM and Sm fiber are to be priced for the number of pulls? Please see the updated table.

29. Section 2, 7.1-Which OM is the multimode fiber(62.5, 50, 50 Lazer Optimized)?

50/125- um OM2

30. Section 2, 7.1 -Does installing inner duct need to be included with installation of the fiber?

Yes, 1 inch Orange Inter-duct for all fiber.

31. Section 2, 7.1 – What fiber connectors are to be used at the faceplate?

Installed, terminated, tested and labeled with certification report. Please disregard faceplates.

32. Section 2, 7.1 – In the misc cabling products what do the patch cords need to include labor or install or are we just handing them over to the customer?

No Labor, these should be priced bulk and sold to customer as such.

33. What fiber and connector type are we to price for the fiber boxes?

Depends on Job.

34. Will all addendums and questions be answered on the website or will they be e-mailed?

All Q & A's will be answered on Addendum and will be posted on the website and faxed.