



Finance and Administrative Services Department

ENTERPRISE TECHNOLOGY SERVICES

1 North University Drive, Suite 4003A * Plantation, Florida 33324-2019 * 954-357-6512 * FAX 954-357-5601

DATE: March 23, 2026

TO: Karlene Grant, Purchasing Agent Senior
Purchasing Division

FROM: Keith A. Wolf, Information Systems Administrator
Enterprise Technology Services Division

A handwritten signature in black ink, appearing to read "K. Wolf", is positioned to the left of the digital signature information.

Digitally signed by
KEITH WOLF
Date: 2026.03.23
11:51:16 -04'00'

SUBJECT: Addition of Line Items to BLD2129200B1_2

The Enterprise Technology Services (ETS) Division recommends the addition of line items to the 4BBC, Outside Plant Cabling contract. With the participation of the Aviation Department on this contract, the department requested to itemize these identified commodities under separate lines instead of using the Pass-Thru commodity line.

The request to itemize will minimize the use of Pass-Thru on high-dollar, repetitive items in use by the Department and preserve the threshold of this line.

During the initial bid solicitation process, ETS did not include these items as bid lines due to a minimal need to purchase these specific items for many fiber optic installations by other County agencies. The Aviation Department intent demonstrated a repeated need for use of these parts, with unintended use of the Pass-Thru line.

For questions, please contact Keith A. Wolf at (954) 357-5918 or kawolf@broward.org.

RECOMMENDATION AND REASONS:

The Purchasing Agent recommends approval of ETS's request to increase the contract threshold by \$500,000, as requested by the Aviation Dept, which has identified several upcoming projects that will rely on this contract, including network infrastructure upgrades and enclosure replacements.

Amendment No. 1 was executed on July 9, 2026, to incorporate additional contract lines with no increase to the contract value.

There have been no threshold increases since the contract was originally awarded. If this requested increase is approved, the Director of Purchasing's delegated authority will be fully utilized and any future threshold increases will require Board approval.

Threshold Increase Request No. 1 with 4BB Corp
Inside and Outside Cabling, BLD2129200B1_2
Page 2

Reviewed:  Digitally signed by
Karlene Grant
Date: 2026.07.13
10:38:21 -04'00'

Purchasing Agent

Reviewed  Digitally signed by Jeannette
Ferrell, Purchasing Manager
Date: 2026.07.13 11:45:01
-04'00'

Purchasing Manager

APPROVAL AUTHORITY



APPROVE



DISAPPROVE

Reason/suggested action (if disapproved):

Constance Mangan,  Digitally signed by Constance
Mangan, Asst. Director, on behalf
of
Date: 2026.07.17 11:45:57 -04'00'

Signature/Director of Purchasing

Grant, Karlene

From: Astafiev, Art
Sent: Friday, April 17, 2026 7:44 AM
To: Scott, Angela; Wolf, Keith
Cc: Canals, Carel
Subject: RE: Additional Information Request - Addition of Line Items to Inside/Outside Plant Cabling - BLD2129200B1_2
Attachments: Inside and Outside plant operation scope of work for the next 18months; RE: Additional Documentation Request: Universal Cabling Piggyback Request **AVI0003659**

My comments in GREEN below:

- Please clarify how these additional lines relate to the existing contract, and confirm whether they fall within the same category as the current items

These items are more specific to Aviation needs and were never contemplated in our solicitation as line items. To maintain better control over the Pass-Thru threshold limits, Aviation has requested to list these as separate line items.

This is correct explanation – nothing more to add.
- Are you requesting an increase to the threshold to accommodate these additional lines, given that the initial term runs through March 2028 and 43% of the threshold has already been used?

These were items considered in the \$500,000 increase requested by Aviation.

Hard to comment on particular number because these ETS level contracts and visibility on big picture is needed. If contract still has room we may not immediately need increase, but when we reach some threshold on utilization some increase will be needed. I would use words "at least \$500,000. All what I can provide is some general overview on projects which we have on the pipeline.

Below is estimate on cabling work in our environment for the next 24 months. This is on top of normal small tasks which we have typically on 150-250K annually. Job which I want Universal to do is in line #7.

 1. Build infrastructure at Employee Parking Lot. This work is in progress already. I am using this as example of under estimate. Contractor who is already working on it is 4BBCorp. My estimate was \$250-300K for 16 locations. We found that we need to build 19 locations, plus much more devices. So, I underestimated this job. Current cost is 338K plus 110K on enclosures with HVAC/TEC elements which we provided to 4BBCorp. So, as you see cost is 150% from my estimate. So, I will need to correct my other estimates also.
 2. We need to replace enclosures on few security gates where equipment is overheated. Estimate is 12K for enclosure and installation. For 10-15 gates I would estimate \$150K on this task. This task is for 4BBCorp.
 3. We need to fix issue with Fixed Based Operator connectivity to T4 via North Loop. \$10-\$15K. This is for 4BBCorp.
 4. We need to build second fiber entry point into ASB building. Estimate is 25K. This is for 4BBCorp.
 5. We need to replace 40-50pcs NEMA enclosures at JetBridges to new enclosures with TEC element. My estimate for this project is around \$375K. This is for 4BBCorp.
 6. In Terminal 1 we have cable bridge which needs to re-build. This maybe a large task for 150K or more.

7. We need to build network infrastructure at 7 floors of Hibiscus garage. Last year Universal only did 1st floor. Cost of work was around 520K for first floor, but during that work we procured enclosures for all 7 floors and also 204 junction boxes. I believe these two items eat over 220K from 520K. Moving forward estimate is \$250K per floor. Since Universal Cables did 1st floor, I we are planning to ride on state contract which they have and let them finish two more floors for 500K.

8. After infrastructure is done in Hibiscus garage, we will need install tons of speaker arrays, video cameras and Wireless APs. This will also be done per floor – around \$100K estimate per floor. So, for next 24 months this is around \$200K. For entire garage estimate is around 700K.

9. We need to build network infrastructure at 4 floors of Palm garage. Probably \$1.3mills. After infrastructure is done in Palm garage we will need install tons of speaker arrays, video cameras and Wireless APs. Probably another 400K.

10. We need to build network infrastructure at some floors of Cypress garage (it has 9 floors, but I am not sure if we need to cover all floors). Probably 2 million here, plus another 700K for devices.

11. We need fiber for BDA system in Cypress garage. 144 strands cable run between room 421b and 232a with a lot of splicing to many places. I am giving this to Quality Wiring. My estimate is 60K taken in consideration complexity of the job.

12. We still have tons of work related to new CCTV cameras installation, new door access control installation and new speakers' installation. This part is hard to estimate, but maybe Dan can put some number to it. This cannot be less than a million.

13. Mario was working with Cisco on the task to improve our wireless setup to "locale-based" setups. This will require probably 2.5 times more APs in compare to what we have, which translates to tons of cabling work. Not sure if we want to go this route. I would add 1million vs cabling work to this task, but unless priority changes this is at the end of my list.

14. If People Movers project will hit the ground in 2026-2027 with intent to build monorail road, then we will have extremely large amount of work relocating tons of fiber cable because new monorail is positioned at the path of our main airport fiber. I hope this will be imbedded to project and will not take from our outside plant operation contract.

- If so, please provide the updated threshold amount and calculations.

I would have to defer to Aviation as I don't know the quantities they may intend to order and the impact this may cause to the threshold.

- Does BCAD anticipate needing to use BLD2129200B1_1 as well, so that both agreements can be amended simultaneously?

The items are related to Outside Plant cabling and should only apply to the 4BBC contract.

This change is needed for both contracts (Quality Wiring and 4BBCorp), but while 4BB in fast track confirmed their prices and provided everything needed to us QualityWiring is very slow and I don't recall seeing their numbers yet. It will be same items, but they should give us official quote with Qty=1 for each line item and price – I don't think I saw this quote yet. For some job estimates I have to wait months for QW to give me proposals. So far not very pleasant experience, but they are talking about putting separate PM just to deal with airport projects. Hope this will happens.

Best Regards



"Knowledge is learning something new every day. **Wisdom** is letting go of something every day"

Under Florida law, e-mail addresses, and all communications, including e-mail communications, made or received in connection with the transaction of Broward County business are public records, which must be retained as required by law and must be disclosed upon receipt of a public records request, except as may be excluded by federal or state laws. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing. Please consider the environment before printing this e-mail. No trees were killed in the sending of this message, however, a large number of electrons were terribly inconvenienced.

From: Scott, Angela <AScott@broward.org>
Sent: Wednesday, April 8, 2026 5:26 PM
To: Astafiev, Art <AASTAFIEV@broward.org>
Cc: Canals, Carel <CCANALS@broward.org>
Subject: FW: Additional Information **Importance:** High

From: Wolf, Keith <KAWOLF@broward.org>
Sent: Tuesday, April 7, 2026 12:04 PM
To: Astafiev, Art <AASTAFIEV@broward.org>; Canals, Carel <CCANALS@broward.org>
Cc: Scott, Angela <AScott@broward.org>
Subject: RE: Additional Information Request - Addition of Line Items to Inside/Outside Plant Cabling - BLD2129200B1_2

Good morning,

Please see the questions and answers below as related to the additional line items on the 4BBC contract. Edit any of the responses as needed.

Thanks,



Keith A. Wolf, Information Systems Administrator

Enterprise Technology Services
Infrastructure Services
1 North University Drive, Suite 4003A
Plantation, FL 33324-2019
Telephone: (954) 357-5918
broward.org

From: Grant, Karlene <KGRANT@broward.org>

Sent: Monday, April 6, 2026 1:45 PM

To: Wolf, Keith <KAWOLF@broward.org>

Subject: Additional Information Request - Addition of Line Items to Inside/Outside Plant Cabling - BLD2129200B1_2

Greetings Keith,

I hope you are doing well.

To complete this request requires an amendment to the contract and your response on the below:

- Please clarify how these additional lines relate to the existing contract, and confirm whether they fall within the same category as the current items
These items are more specific to Aviation needs and were never contemplated in our solicitation as line items. To maintain better control over the Pass-Thru threshold limits, Aviation has requested to list these as line items.
- Are you requesting an increase to the threshold to accommodate these additional lines, given that the initial term runs through March 2028 and 43% of the threshold has already been used?
These were items considered in the \$500,000 increase requested by Aviation.
- If so, please provide the updated threshold amount and calculations.
I would have to defer to Aviation as I don't know the quantities they may intend to order and the impact this may cause to the threshold.
- Does BCAD anticipate needing to use BLD2129200B1_1 as well, so that both agreements can be amended simultaneously?
The items are related to Outside Plant cabling and should only apply to the 4BBC contract.

Also, please provide the email address for the Vendor' representative you have been working with.

Have a wonderful day 🍷



Karlene Grant, MBA

Purchasing Agent Senior

Broward County Purchasing Division

115 S. Andrews Avenue, Room 212, Fort Lauderdale, FL 33301

Office: (954) 357-6256

Office Hours: 8.30 am – 5.00 pm

Email: kgrant@broward.org



Finance and Administration Services Department

PURCHASING DIVISION

115 S Andrews Avenue, Room 212, Fort Lauderdale, Florida 33301 | 954-357-6066 | FAX 954-357-5835 | broward.org/Purchasing

AWARD/REJECTION AUTHORITY MEMORANDUM

BLD2129200B1 – Inside and Outside Plant Cabling

☒ **RECOMMENDATION FOR AWARD**

Vendor(s):

Quality Wiring, Inc.:

4 Best Business Corp: 0000002777

Contract Type: ☐ Fixed ^[1] ☒ Open-End

Basis of Award: ☒ Low ☐ Responsive ☐ Responsible
☐ Split ^[2] ☐ Multiple ^[3] ☐ Single ^[4]

Group 1: Quality Wiring, Inc.

Initial Three-Year Award Amount: \$1,822,820.75

Breakdown of Initial Award Amount:

\$1,514,547.45	Vendor Bid Total
+ \$308,272.80	Allowance
\$1,822,820.25	Initial Award Amount

Potential Five-Year Award Amount: \$3,038,033.75

Group 2: 4 Best Business Corp.

Initial Three-Year Award Amount: \$5,910,648.00

Breakdown of Initial Award Amount:

\$5,427,556.80	Vendor Bid Total
+ \$483,091.20	Allowance
\$5,910,648.00	Initial Award Amount

Potential Five-Year Award Amount: \$9,851,080.00

AWARD JUSTIFICATION

☐ Price Analysis ☐ Clarification ☐ Waiver ^[5]

☐ **RECOMMENDATION TO REJECT** ^[6]

Vendor(s):

REJECT JUSTIFICATION

- ☐ Does not meet specifications: [Identify area]
- ☐ Single Bidder: pricing not fair/reasonable
[Reference justification included]
- ☐ Non-responsive (did not conform to any/all
material aspects of solicitation): [Identify area]
- ☐ Non-responsive: [Identify area]
- ☐ Other Reason: [Insert brief description, reference
justification included]

¹ In accordance with the Internal Control Handbook, Page 216, Chapter 10, Section G, Repairs, if a firm fixed price is not available for equipment repair, a unit must be taken to a repair shop for disassembly and determination of repair costs, and repair. (2006)

² Award different line item or group to more than one Bidder.

³ Award same line item or group to more than one Bidder. (i.e., Primary, Secondary, Tertiary, etc.)

⁴ Sole Source/Sole Brand, Reasonable Source, Emergency, and Single Bids over \$100,000 must be added to the monthly activity report to the Board of County Commissioners, and a copy of this Award Rejection Authority Memorandum should be uploaded to your final PO or Procurement Contract.

⁵ Pursuant to Procurement Code, Section 21.37, a minor or non-substantive lack of conformity may be considered a technicality or irregularity and may be waived by the Director of Purchasing.

⁶ Pursuant to Procurement Code, Section 21.39, after all responses are open, any or all responses may be rejected by the Director of Purchasing, provided, however, that only the Board may reject all responses to a solicitation where the issuance of the solicitation was approved by the Board.

OPEN-END CONTRACT TERM(S) OR ☐ N/A (Fixed Contract)Initial Term^[7]: Date of Award to Three years from date of award.

Number of Renewal Option(s): Two (2)

Potential Contract Duration: Five (5) Years

Note: Term shall begin on date of award.

P-CARDP-Card not applicable for this contract ☐

Vendor(s)

Quality Wiring, Inc.

Accepts:

☐ Yes ☒ No

4 Best Business Corp.

Accepts:

☒ Yes ☐ No**ADDITIONAL INFORMATION**

The Office of Economic and Small Business Development (OESBD) established a County Business Enterprise (CBE) goal of 25% for this contract. Quality Wiring, Inc. committed to 25% CBE participation and 4 Best Business Corp, a certified CBE firm, committed to 80% CBE participation which has been reviewed and approved by OESBD.

This contract provides inside and outside plant wiring and cabling under the categories of installation, support, and maintenance for all connectivity needs throughout Broward County.

The allowances incorporated in this contract, in the total initial term amount of \$791,364 includes amounts of \$123,000 for parts and materials, \$183,000 for non-County agency permits and fees, and \$485,364 for subcontractor fees. Expenditures under these allowance items must be approved by the contract administrator and will be reimbursed at the contractor's actual incurred cost, without markup.

This procurement carries a 100% performance and payment guaranty. The vendors have provided a bid guaranty obligating the vendors to provide requisite performance and payment guaranty, upon award.

The Enterprise Technology Services Division reviewed the bids submitted by Quality Wiring, Inc. and 4 Best Business Corp., and concurs with the recommendation for award.

There has been no vendor performance evaluation within the past five (5) years for Quality Wiring, Inc.

Four (4) County vendor performance evaluations were completed for 4 Best Business Corp; the vendor has an overall performance rating of 4.32 out of possible rating of 5.0. Copies of the vendor performance evaluations are available upon request.

The Purchasing Division reviewed the prices submitted by the recommended vendors, Quality Wiring, Inc. and 4 Best Business Corp, and determined that the prices submitted are fair and reasonable in comparison to the prices of the previous contract.

The bid posted on December 9, 2024 and opened on January 14, 2025; Five (5) bids were received with zero declination.

Incumbent: ASE Telecom & Data Inc., Contract Number and Title: BLD2122736B1_1, Inside and Outside Plant Cabling, Contract Term: December 14, 2021 through March 13, 2025. Expenditures to date: \$4,269,574.43.

The contract consists of the County's solicitation and the vendor's response.

⁷ Dates (Initial Term and Final Expiration) are not known until the contract is awarded. Initial term here should be 'number of months or years of initial term'.

SOLICITATION INFORMATION

- | | |
|--|---|
| Client Agency: | Enterprise Technology Services Division |
| Requisition ID: | ETS0003281 |
| Folder No: | 2129200 |
| Solicitation No:
(For Informal Quotes Only) | BLD2129200B1 |
| Posted on: | December 9, 2024 |
| Opened on: | January 14, 2025 |
| Number of Responses: | Five |
| Number of Declinations: | Zero |

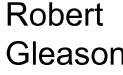
OESBD has reviewed this solicitation and determined:

- | | |
|--|--|
| <p>☐ This firm is a certified [Small Business Enterprise (SBE)/County Business Enterprise (CBE)], and therefore is considered a responsive and responsible bidder under the OESBD provisions of this contract.</p> | <p>☒ This firm met the [County Business Enterprise (CBE)/Disadvantaged Business Enterprise (DBE)], goal requirements and/or demonstrated Good Faith Effort, and therefore is considered a responsive and responsible bidder under the OESBD provisions of this contract.</p> |
| <p>☐ This firm met the assigned Airport Concession Disadvantaged Business Enterprise (ACDBE) participation goal, and therefore is considered a responsive and responsible bidder under the OESBD provisions of this contract.</p> | <p>☐ This project has been designated a sole source/sole brand, or reasonable sole source/brand, Qualified Vendors List (QVL), emergency or piggyback, therefore, this project is not subject to the OESBD requirements.</p> |
| <p>☐ It should be solicited to open market with no assigned goals.</p> | <p>☐ Due to no responses received from SBE vendors during the original solicitation, this solicitation was re-bid to the open market. Per OESBD, no goals were applied to the re-solicitation.</p> |
| <p>☐ This is an Informal Quote. A review for SBE/CBE vendors was conducted through the CBE/DBE Directory for potential vendors.</p> | |

WHAT APPROVAL ACCOMPLISHES ^[8]

- ☐ In accordance with the Broward County Procurement Code, Section 21.47.(b)(1), the Director of Purchasing may award solicitations in an amount not exceeding \$500,000, inclusive of the value of any renewals or extensions.
- ☒ In accordance with the Broward County Procurement Code, Section 21.47.(b)(2), the Director of Purchasing may award bids in any amount over \$500,000, inclusive of any extensions or renewals, contingent upon no bidder has been determined to be non-responsive or non-responsible, no protests have been filed, and more than one bidder has submitted a response, and further provided that no Commissioner has expressed an objection within five (5) days after receiving notice of intended award from the Purchasing Division.
- ☐ In accordance with the Broward County Procurement Code, Section 21.19(b), Board approved standardized goods and services may be purchased by the Director of Purchasing regardless of the contract amount without further Board authorization.
- ☐ In accordance with the Broward County Procurement Code, Section 21.37.(b), Waiver of Technicality, a lack of conformity as to an issue of responsiveness that is nonsubstantive in nature may be considered a technicality or irregularity that may be waived by the Director of Purchasing.
- ☐ In accordance with Broward County Procurement Code, Section 21.39 Rejection After Bid Opening, any or all responses may be rejected by the Purchasing Director or designee, including those bids in which there is only one (1) responsive vendor.

APPROVAL AUTHORITY

Title: Purchasing Agent, Senior	Title: Purchasing Manager
☒ APPROVE ☐ DISAPPROVE	☒ APPROVE ☐ DISAPPROVE
 Digitally signed by Karlene Grant Date: 2025.03.06 12:48:26 -05'00'	 Digitally signed by JEANNETTE FERRELL Date: 2025.03.06 16:06:32 -05'00'
(Signature & Date)	(Signature & Date)
Title: Director of Purchasing	Title:
☒ APPROVE ☐ DISAPPROVE	☐ APPROVE ☐ DISAPPROVE
 Digitally signed by Robert Gleason Date: 2025.03.18 11:52:55 -04'00'	
(Signature & Date)	(Signature & Date)

ATTACHMENTS

- ☒ Bid Tab
 ☒ OESBD Document
 ☒ Using Agency Concurrence
 ☐ Certificate of Insurance
- ☒ Price Analysis
 ☐ Sole Source
 ☐ Sole Brand
 ☐ Purchasing Agent Report
- ☐ Board or County Administrator Approved
 ☐ Other
- Emergency Memo

⁸ The Award Rejection Authority Memorandum must be signed by the appropriate authority prior to Recommendation for Award (RFA) posting in accordance with the most recently issued delegation memorandum.

Bid Tabulation Inside and Outside Plant Cabling BUD2129200B1				4 BEST BUSINESS CORP			ASE TELECOM DATA INC		
				Group 1 Group 2 Total	\$2,429,678.40 \$5,910,648.00 \$8,340,326.40		Group 1 Group 2 Total	\$3,157,425.30 \$9,052,943.70 \$12,210,369.00	
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#1-1	25 pair PE-89 OSP Cable, Category 3, 24 ga., aluminum shielding,	1,500.00	Linear Foot	Superior Essex or Approved	\$2	\$3,000.00	SUP/ESSEX	\$1.95	\$2,925.00
#1-2	Mohawk Wire 60-4P24-BK-R 1,000 Ft Reel	15.00	Each	Mohawk Wire	\$460	\$6,900.00	MOHAWK WIRE + CABLE	\$600	\$9,000.00
#1-3	Ethernet Cable and Installation of one (1) group of two (2)								
	Category 6 UTP Plenum Cable drops	750.00	Each	Mohawk Wire or APPROVED	\$250	\$187,500.00	SIEMON/MOHAWK	\$375	\$281,250.00
#1-4	Ethernet Cable and Installation of five (5) Category 6 UTP Plenum Cable drops	225.00	Each	Mohawk Wire or APPROVED	\$600	\$135,000.00	SIEMON/MOHAWK	\$800	\$180,000.00
#1-5	Ethernet Cable and Installation of one (1) group of ten (10) Category 6 UTP Plenum Cable drops	60.00	Each	Mohawk Wire or APPROVED	\$955	\$57,300.00	SIEMON/MOHAWK	\$1,500.00	\$90,000.00
#1-6	Ethernet Cable and Installation of Single Category 5E UTP Plenum Cable drop	1,500.00	Each	Mohawk Wire or APPROVED	\$50	\$75,000.00	SIEMON/MOHAWK	\$155	\$232,500.00
#1-7	Ethernet Cable and Installation of Single Category 5E UTP Non- Plenum Cable drop (In-Conduit)	225.00	Each	Mohawk Wire or APPROVED	\$45	\$10,125.00	SIEMON/MOHAWK	\$110	\$24,750.00
#1-8	Ethernet Cable and Installation of one (1) group of two (2) Category 5E UTP Plenum Cable drops, Free Air	750.00	Each	Mohawk Wire or APPROVED	\$80	\$60,000.00	SIEMON/MOHAWK	\$295	\$221,250.00
#1-9	Ethernet Cable and Installation of one (1) group of three(3) Category 5E UTP Plenum Cable drops, Free Air	150.00	Each	Mohawk Wire or APPROVED	\$80	\$12,000.00	SIEMON/MOHAWK	\$325	\$48,750.00
#1-10	Ethernet Cable and Installation of one (1) group of five (5) Category 5E UTP Plenum Cable drops, Free Air	150.00	Each	Mohawk Wire or APPROVED	\$100	\$15,000.00	SIEMON/MOHAWK	\$500	\$75,000.00
#1-11	Ethernet Cable and Installation of one (1) group of ten (10) Category 5E UTP Plenum Cable drops, Free Air	60.00	Each	Mohawk Wire or APPROVED	\$100	\$6,000.00	SIEMON/MOHAWK	\$900	\$54,000.00
#1-12	Ethernet Cable and Installation of Single Category 6A UTP Plenum Cable drop	60.00	Each	Mohawk Wire or APPROVED	\$400	\$24,000.00	SIEMON/MOHAWK	\$355	\$21,300.00
#1-13	Ethernet Cable and Installation of one (1) group of two (2) Category 6A UTP Plenum Cable drops, Free Air	60.00	Each	Mohawk Wire or APPROVED	\$600	\$36,000.00	SIEMON/MOHAWK	\$650	\$39,000.00
#1-14	Ethernet Cable and Installation of Single Category 7 UTP Plenum Cable drop	60.00	Each	SIMEON or approved	\$540	\$32,400.00	SIEMON/MOHAWK	\$525	\$31,500.00
#1-15	Ethernet Cable and Installation of one (1) group of two (2) Category 7A UTP Plenum Cable drops, Free Air	60.00	Each	SIMEON or approved	\$1,026.00	\$61,560.00	SIEMON/MOHAWK	\$975	\$58,500.00
#1-16	Wall Mounted Metal Equipment Rack Belkin RK1003 12U, or approved equal	45.00	Each	Belkin or Approved	\$742	\$33,390.00	EATON CORP	\$925	\$41,625.00
#1-17	Wall Mounted Metal Equipment Rack, Belkin RK1002 24U, or approved equal.	45.00	Each	Belkin or Approved	\$1,045.00	\$47,025.00	EATON CORP	\$1,375.00	\$61,875.00

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1		4 BEST BUSINESS CORP				ASE TELECOM DATA INC			
		Group 1 Group 2 Total				Group 1 Group 2 Total			
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#1-18	Floor Mounted Metal 2 Post rack, 42U, Chatsworth Part#167074 or approved equal.	45.00	Each	Chatsworth or approved	\$190	\$8,550.00	CHATSWORTH	\$295	\$13,275.00
#1-19	Floor Mounted Metal Rack, Belkin RK1000 42U, or approved equal.	3.00	Each	Belkin or Approved	\$2,100.00	\$6,300.00	SCHNEIDER ELEC IT	\$2,650.00	\$7,950.00
#1-20	Floor Mounted Metal 4 Post rack, 42U, Chatsworth Part# 251149 or approved equal.	3.00	Each	Chatsworth or approved	\$675	\$2,025.00	ORTRONICS	\$825	\$2,475.00
#1-21	Horizontal Wire Manager, Belkin single sided cable RK5016	90.00	Each	Belkin or Approved	\$40	\$3,600.00	PANDUIT	\$85	\$7,650.00
#1-22	Siemon cat-5e jack 8P8C in Orange MX5-F09, or approved equal.	1,500.00	Each	Siemon or Approved	\$6	\$9,000.00	SIEMON	\$7	\$10,500.00
#1-23	Siemon MX-SM2-02, Max Surface mount box or approved equal, 2 Port White.	150.00	Each	Siemon or Approved	\$5	\$750	SIEMON CO	\$6.25	\$937.50
#1-24	Siemon MX-FP-S-04-02, Max Faceplate or approved equal, 2 Port White	150.00	Each	Siemon or Approved	\$3.30	\$495.00	SIEMON CO	\$3.50	\$525.00
#1-25	Siemon MX-FP-S-02-04, Max Faceplate or approved equal, 2 Port White	150.00	Each	Siemon or Approved	\$3.30	\$495.00	SIEMON CO	\$3.50	\$525.00
#1-26	Siemon MX-FP-S-04-04, Max Faceplate or approved equal, 2 Port White	150.00	Each	Siemon or Approved	\$3.30	\$495.00	SIEMON CO	\$3.50	\$525.00
#1-27	Siemon MX-FP-S-02-02, Max Faceplate or approved equal, 2 Port White	900.00	Each	Siemon or Approved	\$3.30	\$2,970.00	SIEMON CO	\$3.50	\$3,150.00
#1-28	Siemon MAX Modular Furniture Adapter for Standard Openings, MX-MFP-02 or approved equal	900.00	Each	Siemon or Approved	\$4.52	\$4,068.00	SIEMON CO	\$5.75	\$5,175.00
#1-29	Siemon MX-BL-01 Max Module or approved equal, Blank Insert-Black, 10 Bag	300.00	Each	Siemon or Approved	\$5.38	\$1,614.00	SIEMON CO	\$6.25	\$1,875.00
#1-30	Siemon Z MAX Cat-6 jack Z606 Blue, or approved equal	1,500.00	Each	Siemon or Approved	\$8.26	\$12,390.00	SIEMON CO	\$9.75	\$14,625.00
#1-31	Siemon Z6A-S01 Cat-6A Jack in Black, or approved equal	300.00	Each	Siemon or Approved	\$11.70	\$3,510.00	SIEMON CO	\$13.85	\$4,155.00
#1-32	Vertical Wire Manager Belkin 7' RK5015 or approved equal	60.00	Each	Belkin or Approved	\$252	\$15,120.00	PANDUIT ELECTRICAL	\$325	\$19,500.00
#1-33	Rack to Runway Mounting Plate Chatsworth 12730-X04, or approved equal	30.00	Each	Chatsworth or approved	\$46	\$1,380.00	CHATSWORTH	\$58	\$1,740.00
#1-34	Corning Closet Connector Housing CCH-01U, 19 inch or approved equal.	120.00	Each	Corning or approved	\$274	\$32,880.00	CORNING OPTICAL	\$335	\$40,200.00
#1-35	Corning Closet Connector Housing CCH-02U, 19inch or approved equal	60.00	Each	Corning or approved	\$339	\$20,340.00	CORNING OPTICAL	\$395	\$23,700.00

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1				4 BEST BUSINESS CORP				ASE TELECOM DATA INC			
				Group 1 Group 2 Total				Group 1 Group 2 Total			
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost		
#1-36	Corning Closet Connector Housing CCH-04U- 19 inch or approved equal.	30.00	Each	Corning or approved	\$432	\$12,960.00	CORNING OPTICAL	\$500	\$15,000.00		
#1-37	Corning closet Connector Housing Panels. CCH-CP-12-59 (SC) or approved equal.	180.00	Each	Corning or approved	\$99.42	\$17,895.60	CORNING OPTICAL	\$105	\$18,900.00		
#1-38	Corning closet Connector Housing Panels. CCH-CP-24-59 (SC), or approved equal.	30.00	Each	Corning or approved	\$215	\$6,450.00	CORNING OPTICAL	\$250	\$7,500.00		
#1-39	Corning closet Connector Housing Panels. CCH-CP-12-A9 (LC), or approved equal.	30.00	Each	Corning or approved	\$115	\$3,450.00	CORNING OPTICAL	\$135	\$4,050.00		
#1-40	1" EMT (Electrical Metallic Tubing) Conduit	1,200.00	Linear Foot	Conduit	\$1.48	\$1,776.00	GENERIC	\$1.85	\$2,220.00		
#1-41	2" Plenum Rated non-metallic flexible raceway	600.00	Linear Foot	AFC CABLE SYSTEMS or approved	\$7.07	\$4,242.00	AFC CABLE SYSTEMS	\$8.65	\$5,190.00		
#1-42	Grounding Bar Kit, Storm Copper Company SCGB-1KT or approved equal	45.00	Each	Chatsworth or approved	\$150	\$6,750.00	CHATSWORTH	\$165	\$7,425.00		
#1-43	Backboard, 4'x8'x3/4", Fire Rated	15.00	Each	Readyspec Backboards	\$120	\$1,800.00	GENERIC	\$175	\$2,625.00		
#1-44	24 Port UTP empty patch panel	30.00	Each	Siemon or Approved	\$45	\$1,350.00	SIEMON CO	\$60	\$1,800.00		
#1-45	48 Port UTP empty patch panel	30.00	Each	Siemon or Approved	\$50	\$1,500.00	SIEMON CO	\$70	\$2,100.00		
#1-46	Category 6A Patch Panel (24 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 1U, 19 in	30.00	Each	Siemon or Approved	\$290	\$8,700.00	SIEMON CO	\$375	\$11,250.00		
#1-47	Category 6A Patch Panel (48 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 1U, 19 in	30.00	Each	Siemon or Approved	\$545	\$16,350.00	SIEMON CO	\$700	\$21,000.00		
#1-48	TIA/EIA 568B, 1U, 19 in.	45.00	Each	Siemon or Approved	\$245	\$11,025.00	SIEMON CO	\$310	\$13,950.00		
#1-49	Category 6 Patch Panel (48 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 2U, 19 in	45.00	Each	Siemon or Approved	\$450	\$20,250.00	SIEMON CO	\$565	\$25,425.00		
#1-50	Patch TIA/EIA 568B, 1U, 19 in	45.00	Each	Siemon or Approved	\$165	\$7,425.00	SIEMON CO	\$205	\$9,225.00		
#1-51	Category 5e Patch Panel (48 Port Modular), Gigabase CAT 5 Patch TIA/EIA 568B, 2U, 19 in	45.00	Each	Siemon or Approved	\$330	\$14,850.00	SIEMON CO	\$415	\$18,675.00		
#1-52	100 Pair 110 Mounting Block 5e Rated	30.00	Each	Siemon or Approved	\$35.50	\$1,065.00	SIEMON CO	\$34.50	\$1,035.00		
#1-53	Sixty-six (66) Block with Stand Off Bracket, 5e Rated	75.00	Each	Siemon or Approved	\$14	\$1,050.00	SIEMON CO	\$18	\$1,350.00		
#1-54	Twelve (12) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	3,000.00	Linear Foot	Corning or approved	\$2.50	\$7,500.00	CORNING OPTICAL	\$2.95	\$8,850.00		
#1-55	Thirty-six (36) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	3,000.00	Linear Foot	Corning or approved	\$10.17	\$30,510.00	CORNING OPTICAL	\$12.65	\$37,950.00		

Bid Tabulation Inside and Outside Plant Cabling BID2129200B1		4 BEST BUSINESS CORP				ASE TELECOM DATA INC			
		Group 1 Group 2 Total		\$2,429,678.40 \$5,910,648.00 \$8,340,326.40		Group 1 Group 2 Total		\$3,157,425.30 \$9,052,943.70 \$12,210,369.00	
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#1-56	Forty-eight (48) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	3,000.00	Linear Foot	Corning or approved	\$12.10	\$36,300.00	CORNING OPTICAL	\$13.85	\$41,550.00
#1-57	Twelve (12) Strand Armored Plenum Rated Fiber Single Mode Twenty-four (24) Strand Armored Plenum Rated Fiber Single Mode	3,000.00	Linear Foot	Corning or approved	\$1.60	\$4,800.00	CORNING OPTICAL	\$2.05	\$6,150.00
#1-58	Mode	3,000.00	Linear Foot	Corning or approved	\$2.75	\$8,250.00	CORNING OPTICAL	\$3.45	\$10,350.00
#1-59	Thirty-six (36) Strand Armored Plenum Rated Fiber Single Mode Forty-eight (48) Strand Armored Plenum Rated Fiber Single Mode	3,000.00	Linear Foot	Corning or approved	\$6.75	\$20,250.00	CORNING OPTICAL	\$8.50	\$25,500.00
#1-60	Mode	3,000.00	Linear Foot	Corning or approved	\$6.90	\$20,700.00	CORNING OPTICAL	\$8.35	\$25,050.00
#1-61	Aluma Flex- Flexible conduit metallic 3/4 inch	1,500.00	Linear Foot	Flexalum or approved	\$1	\$1,500.00	CONDUIT	\$1.50	\$2,250.00
#1-62	Corrugated Plenum Interduct, 1.5" diam	3,000.00	Linear Foot	AFC Cable or approved	\$5.95	\$17,850.00	AFC CABLE SYSTEMS	\$11.45	\$34,350.00
#1-63	2" Sleeve (Sheet Rock), Rigid Galvanized Conduit, Escutcheon Plate	150.00	Each	Conduit	\$50	\$7,500.00	CONDUIT	\$125	\$18,750.00
#1-64	4" Sleeve (Sheet Rock), Rigid Galvanized Conduit, Escutcheon Plate	30.00	Each	Conduit	\$90	\$2,700.00	CONDUIT	\$345	\$10,350.00
#1-65	2" Sleeve (Cement/Block), Rigid Galvanized Conduit, Escutcheon Plate	150.00	Each	Conduit	\$150	\$22,500.00	CONDUIT	\$135	\$20,250.00
#1-66	Daily Lift rental: 25-26' Electric Scissor	15.00	Each	Rental	\$415	\$6,225.00	LIFT RENTAL	\$550	\$8,250.00
#1-67	Weekly Lift rental: 25-26' Electric Scissor	15.00	Each	Rental	\$650	\$9,750.00	LIFT RENTAL	\$900	\$13,500.00
#1-68	Daily Lift rental: 26 Foot Boom	15.00	Each	Rental	\$550	\$8,250.00	LIFT RENTAL	\$1,250.00	\$18,750.00
#1-69	Weekly Lift rental: 26 Foot Boom	15.00	Each	Rental	\$950	\$14,250.00	LIFT RENTAL	\$2,500.00	\$37,500.00
#1-70	4" Sleeve (Cement/Block), Rigid Galvanized Conduit, Escutcheon Plate	15.00	Each	Conduit	\$200	\$3,000.00	CONDUIT	\$375	\$5,625.00
#1-71	Voice and Data Wire Technician Labor, Regular Hours	7,500.00	Hours	Labor	\$80	\$600,000.00	NA	\$55	\$412,500.00
#1-72	Voice and Data Wire Technician Labor, After Hours	1,500.00	Hours	Labor	\$80	\$120,000.00	NA	\$82.50	\$123,750.00
#1-73	Ethernet Cable and Installation of Single Category 6 UTP Plenum Cable drop	750.00	Each	Labor	\$150	\$112,500.00	SIEMON/MOHAWK	\$250	\$187,500.00
Group 1						\$2,121,405.60			\$2,849,152.50

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1			4 BEST BUSINESS CORP			ASE TELECOM DATA INC			
			Group 1 Group 2 Total	\$2,429,678.40 \$5,910,648.00 \$8,340,326.40	Group 1 Group 2 Total	\$3,157,425.30 \$9,052,943.70 \$12,210,369.00			
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
	Allowances					\$308,272.80			\$308,272.80
	Group 1 - Total initial 3-year award amount Group 1 - Potential 5-year award amount					\$2,429,678.40 \$4,049,464.00			\$3,157,425.30 \$5,262,375.50
#2-1	Traffic Control Officer	360.00	Hours	Labor	\$65	\$23,400.00	NA	\$105	\$37,800.00
#2-2	Work Zone Signs, F&I	90.00	Each	Signs	\$12	\$1,080.00	NA	\$205	\$18,450.00
#2-3	Barrier Wall, Temporary, F&I, Concrete	3,000.00	Linear Foot	Rental	\$6.50	\$19,500.00	NA	\$6.50	\$19,500.00
#2-4	Barrier Wall, Temporary, F&I, Low Profile, Concrete	3,000.00	Linear Foot	Rental	\$7	\$21,000.00	NA	\$6.50	\$19,500.00
#2-5	Portable Changeable Message Sign, F&I, Temporary	30.00	Linear Foot	Rental	\$75	\$2,250.00	NA	\$400	\$12,000.00
#2-6	Portable Regulatory Sign (FDOT Spec. No. 102-150-1)	30.00	Linear Foot	Rental	\$75	\$2,250.00	NA	\$400	\$12,000.00
#2-7	Installation of Single fiber cable in Existing Empty Conduit of one(1) 12-144 strand armored fiber cable	300,000.00	Linear Foot	Corning or Approved	\$0.95	\$285,000.00	LABOR	\$1.35	\$405,000.00
#2-8	Installation of Fiber cable in Existing Empty Conduit of two (2) 12-144 strand armored fiber cables	60,000.00	Linear Foot	Corning or Approved	\$1.45	\$87,000.00	LABOR	\$1.80	\$108,000.00
#2-9	Installation of Fiber cable in Existing Empty Conduit of three (3) 12-144 strand armored fiber cables	15,000.00	Linear Foot	Corning or Approved	\$1.50	\$22,500.00	LABOR	\$1.95	\$29,250.00
#2-10	Installation of single (1) Fiber cable in newly installed conduit. One (1) 12-144 strand armored fiber cable	450,000.00	Linear Foot	Corning or Approved	\$0.50	\$225,000.00	LABOR	\$1.25	\$562,500.00
#2-11	Installation of two (2) Fiber cable in Newly installed conduit. 12-144 strand armored fiber cable	60,000.00	Linear Foot	Corning or Approved	\$1.50	\$90,000.00	LABOR	\$1.75	\$105,000.00
#2-12	Fiber Cable Removal from existing conduit	30,000.00	Linear Foot	Labor	\$1.25	\$37,500.00	LABOR	\$1.75	\$52,500.00
#2-13	Twelve (12) Strand Armored Fiber Cable, Sumitomo PureBand, single mode. SE-VE 6 fiber/ buffer tube	9,000.00	Linear Foot	Sumitomo or Approved	\$0.52	\$4,680.00	CORNING OPTICAL	\$0.75	\$6,750.00
#2-14	Twenty-four (24) Strand Armored Fiber Cable, Sumitomo PureBand, single mode. SE-VE 6 fiber/ buffer tube	9,000.00	Linear Foot	Sumitomo or Approved	\$0.60	\$5,400.00	CORNING OPTICAL	\$0.70	\$6,300.00

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1		4 BEST BUSINESS CORP				ASE TELECOM DATA INC			
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#2-15	Thirty-six (36) Strand Armored Fiber Cable, Sumitomo PureBand, single mode	300,000.00	Linear Foot	Sumitomo or Approved	\$0.60	\$180,000.00	CORNING OPTICAL	\$0.80	\$240,000.00
#2-16	Forty-eight (48) Strand Armored Fiber Cable, Sumitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	75,000.00	Linear Foot	Sumitomo or Approved	\$0.75	\$56,250.00	CORNING OPTICAL	\$0.85	\$63,750.00
#2-17	Nineety-six (96) Strand Armored Fiber Cable, Sumitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	9,000.00	Linear Foot	Sumitomo or Approved	\$1.27	\$11,430.00	CORNING OPTICAL	\$1.50	\$13,500.00
#2-18	One hundred forty-four (144) Strand Armored Fiber Cable, Sumitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	9,000.00	Linear Foot	Sumitomo or Approved	\$2.22	\$19,980.00	CORNING OPTICAL	\$1.65	\$14,850.00
#2-19	Corning closet Connector Housing CCH-01U, 19 inch or approved equal	30.00	Each	Corning or Approved	\$282	\$8,460.00	CORNING OPTICAL	\$335	\$10,050.00
#2-20	Corning closet Connector Housing CCH-02U, 19inch or approved equal	30.00	Each	Corning or Approved	\$347	\$10,410.00	CORNING OPTICAL	\$395	\$11,850.00
#2-21	Corning closet Connector Housing CCH-04U- 19 inch or approved equal	30.00	Each	Corning or Approved	\$443	\$13,290.00	CORNING OPTICAL	\$500	\$15,000.00
#2-22	Corning closet Connector Housing Panels. CCH-CP-12-59 (SC) or approved equal	30.00	Each	Corning or Approved	\$82	\$2,460.00	CORNING OPTICAL	\$105	\$3,150.00
#2-23	Fiber Termination: Corning closet Connector Housing Panels. CCH-CP-24-59 (LC), or approved equal	30.00	Each	Corning or Approved	\$220.63	\$6,618.90	CORNING OPTICAL	\$250	\$7,500.00
#2-24	Corning closet Connector Housing Panels. CCH-CP-12-49 (LC), or approved equal	30.00	Each	Corning or Approved	\$118.20	\$3,546.00	CORNING OPTICAL	\$135	\$4,050.00
#2-25	SC Fiber Connector, Single Mode, Corning UNI-Cam #95-200-41 or approved equal	900.00	Each	Corning or Approved	\$18	\$16,200.00	CORNING OPTICAL	\$20	\$18,000.00
#2-26	SC Fiber Connector, Multi-Mode, high performance, 50µm, Corning UNI-Cam #95-050-41-X or approved equal	450.00	Each	Corning or Approved	\$16.50	\$7,425.00	CORNING OPTICAL	\$17.50	\$7,875.00
#2-27	SC Fiber Connector, Multi-Mode, 62.5µm, Corning UNI-Cam #95-000-40 or approved equal	450.00	Hour	Corning or Approved	\$12.63	\$5,683.50	CORNING OPTICAL	\$15.85	\$7,132.50
#2-28	Fiber Closure Kit, standard, Coyote Runt or approved equal	60.00	Each	Coyote or Approved	\$195	\$11,700.00	PREFORMED LN	\$245	\$14,700.00
#2-29	Fiber Splice Tray, Coyote Runt or approved equal - up to 12 splices	180.00	Each	Coyote or Approved	\$33.38	\$6,008.40	PREFORMED LN	\$41.50	\$7,470.00
#2-30	Fiber Closure, Coyote PUP or approved equal	60.00	Each	Coyote or Approved	\$250	\$15,000.00	PREFORMED LN	\$385	\$23,100.00
#2-31	Spider Fan Out Kit, 6 Fiber, 25 inches, Corning or approved equal	150.00	Each	Corning or Approved	\$18	\$2,700.00	CORNING OPTICAL	\$24.50	\$3,675.00

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1		4 BEST BUSINESS CORP				ASE TELECOM DATA INC			
				Group 1 Group 2 Total	\$2,429,678.40 \$5,910,648.00 \$8,340,326.40	Group 1 Group 2 Total	\$3,157,425.30 \$9,052,943.70 \$12,210,369.00		
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#2-32	Spider Fan Out Kit, 12 Fiber, 25 inches, Corning or approved equal	150.00	Each	Corning or Approved	\$21	\$3,150.00	CORNING OPTICAL	\$20.50	\$3,075.00
#2-33	Sumitomo Future Flex-Water-Blocked Dielectric Tube Cable. Four (4) Tubes. Part number TC04TOD	3,000.00	Linear Foot	Sumitomo or Approved	\$2.90	\$8,700.00	SUMITOMO ELECTRIC	\$3.65	\$10,950.00
#2-34	Sumitomo Future Flex-Water-Blocked Dielectric Tube Cable. Seven (7) Tubes. Part number TC07TOX	30,000.00	Linear Foot	Sumitomo or Approved	\$3.35	\$100,500.00	SUMITOMO ELECTRIC	\$4.65	\$139,500.00
#2-35	Sumitomo Future Flex-Water-Blocked Dielectric Tube Cable. Nineteen (19) Tubes. Part number TC19TOX	3,000.00	Linear Foot	Sumitomo or Approved	\$6.66	\$19,980.00	SUMITOMO ELECTRIC	\$9.25	\$27,750.00
#2-36	Sumitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket. Indoor rated. Two (2) Tubes. Part number TC02TP2	3,000.00	Linear Foot	Sumitomo or Approved	\$4.07	\$12,210.00	SUMITOMO ELECTRIC	\$5.25	\$15,750.00
#2-37	Sumitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket. Indoor rated. Four (4) Tubes. Part number TC04TP2	3,000.00	Linear Foot	Sumitomo or Approved	\$6	\$18,000.00	SUMITOMO ELECTRIC	\$7.60	\$22,800.00
#2-38	Sumitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket. Indoor rated. Seven (7) Tubes. Part number TC07TP2	3,000.00	Linear Foot	Sumitomo or Approved	\$10	\$30,000.00	SUMITOMO ELECTRIC	\$13.20	\$39,600.00
#2-39	Sumitomo Future Flex-Outdoor/Indoor Rated Tube Cable. Four (4) Tubes. Part number TC04MTX	3,000.00	Linear Foot	Sumitomo or Approved	\$9.50	\$28,500.00	SUMITOMO ELECTRIC	\$13.10	\$39,300.00
#2-40	Sumitomo Future Flex-Outdoor/Indoor Rated Tube Cable. Seven (7) Tubes. Part number TC07MTX	3,000.00	Linear Foot	Sumitomo or Approved	\$10	\$30,000.00	SUMITOMO ELECTRIC	\$14.25	\$42,750.00
#2-41	Sumitomo Fiber Bundles-Single Mode Fiber. Twelve (12) fibers. Part number FB12SX	6,000.00	Linear Foot	Sumitomo or Approved	\$0.87	\$5,220.00	SUMITOMO ELECTRIC	\$1.15	\$6,900.00
#2-42	Sumitomo Fiber Bundles-Single Mode Fiber. Twenty-four (24) fibers. Part number FB24SX	6,000.00	Linear Foot	Sumitomo or Approved	\$2.50	\$15,000.00	SUMITOMO ELECTRIC	\$3.25	\$19,500.00
#2-43	Sumitomo Fiber Bundles-Multi Mode Fiber 50 um. Twelve (12) fibers. Part number FB12M5	1,500.00	Linear Foot	Sumitomo or Approved	\$3.21	\$4,815.00	SUMITOMO ELECTRIC	\$4.15	\$6,225.00
#2-44	Sumitomo Fiber Bundles- Laser Optimized Multi Mode 50 um Fiber. Twelve (12) fibers. Part number FB12G55	6,000.00	Linear Foot	Sumitomo or Approved	\$5.50	\$33,000.00	SUMITOMO ELECTRIC	\$7.60	\$45,600.00
#2-45	Sumitomo Fiber Bundles- Laser Optimized Multi Mode 50 um Fiber. Twenty-four (24) fibers. Part number FB24G55	6,000.00	Linear Foot	Sumitomo or Approved	\$10	\$60,000.00	SUMITOMO ELECTRIC	\$14	\$84,000.00
#2-46	Outside Plant Airblown Fiber: Installation of air blown fiber bundles	30,000.00	Linear Foot	Labor	\$2.30	\$69,000.00	SUMITOMO ELECTRIC	\$3.50	\$105,000.00

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1		4 BEST BUSINESS CORP				ASE TELECOM DATA INC			
		Group 1 Group 2 Total		\$2,429,678.40 \$5,910,648.00 \$8,340,326.40		Group 1 Group 2 Total		\$3,137,425.30 \$9,052,983.70 \$12,210,369.00	
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#2-47	Conduit Installation: Directional Bore for One (1) 2" HDPE Pipe SDR 11.	90,000.00	Linear Foot	Boring	\$14.75	\$1,327,500.00	DURA-LINE	\$19.50	\$1,755,000.00
#2-48	Conduit Installation of Directional Bore for Two (2) 2" HDPE SDR11	10,500.00	Linear Foot	Boring	\$17	\$178,500.00	DURA-LINE	\$28	\$294,000.00
#2-49	Conduit Installation of Directional Bore for Three (3) 2" HDPE Pipe SDR 11	7,500.00	Linear Foot	Boring	\$18.40	\$138,000.00	DURA-LINE	\$34	\$255,000.00
#2-50	Conduit Installation of Directional Bore for One (1) 2" HDPE Pipe SDR 11	15,000.00	Linear Foot	Boring	\$15.78	\$236,700.00	DURA-LINE	\$22.50	\$337,500.00
#2-51	Conduit Installation of Directional Bore for Two (2) 2" HDPE Pipe SDR 11	10,500.00	Linear Foot	Boring	\$17.25	\$181,125.00	DURA-LINE	\$31	\$325,500.00
#2-52	Conduit Installation of Directional Bore for Three (3) 2" HDPE Pipe SDR 11	3,000.00	Linear Foot	Boring	\$19.55	\$58,650.00	DURA-LINE	\$36	\$108,000.00
#2-53	Conduit Installation of Directional Bore for One (1) 4" HDPE Pipe SDR 11	6,000.00	Linear Foot	Boring	\$19	\$114,000.00	DURA-LINE	\$34.50	\$207,000.00
#2-54	Conduit Installation of Directional Bore for Two (2) 4" HDPE Pipe SDR 11	6,000.00	Linear Foot	Boring	\$25	\$150,000.00	DURA-LINE	\$48.50	\$291,000.00
#2-55	Conduit Installation of Directional Bore for One (1) 4" HDPE Pipe SDR 11	6,000.00	Linear Foot	Boring	\$25.88	\$155,280.00	DURA-LINE	\$37.25	\$223,500.00
#2-56	Conduit Installation of Directional Bore for Two (2) 4" HDPE Pipe SDR 11	6,000.00	Linear Foot	Boring	\$32	\$192,000.00	DURA-LINE	\$51.25	\$307,500.00
#2-57	Conduit Installation of Missile Bore, Pneumatic Missile Bore per foot. Installation of County-owned material	1,500.00	Linear Foot	Boring	\$14.95	\$22,425.00	LABOR	\$20.75	\$31,125.00
#2-58	Asphalt Cut, Removal & Restoration, material and installation. DOT Approved Asphalt mix. Two (2) inches	1,500.00	Square Foot	Asphalt	\$10.93	\$16,395.00	LABOR	\$16.50	\$24,750.00
#2-59	Asphalt Cut, Removal & Restoration, material and installation. DOT Approved Asphalt mix. Four (4) inches	1,500.00	Square Foot	Asphalt	\$15.26	\$22,890.00	LABOR	\$22.50	\$33,750.00
#2-60	Underground Access Structure (Manhole), Precast (concrete) 6'x6'x 6'4"	15.00	Each	Quazite or Approved	\$6,000.00	\$90,000.00	LABOR	\$21,350.00	\$320,250.00
#2-61	Quazite Tier 15 pull box, 24" x 36" x 30 ", include cover and installation. (Peed rock, 12" wide and 6" deep concrete aprons)	15.00	Each	Quazite or Approved	\$1,569.00	\$23,535.00	Quazite	\$2,210.00	\$33,150.00
#2-62	Quazite Tier 15 pull box, 48" x 48" x 36 ", include cover and installation (Peed rock, 12" wide and 6" deep concrete aprons)	15.00	Each	Quazite or Approved	\$2,600.00	\$39,000.00	Quazite	\$5,525.00	\$82,875.00

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1		4 BEST BUSINESS CORP				ASE TELECOM DATA INC			
		Group 1 Group 2 Total				Group 1 Group 2 Total			
		\$2,429,678.40 \$5,910,648.00 \$8,340,326.40				\$3,157,425.30 \$9,052,943.70 \$12,210,369.00			
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#2-63	Quazite Tier 15 pull box, 36" x 60" x 36 ", include cover and installation. (Peed rock, 12" wide and 6" deep concrete aprons)	60.00	Each	Quazite or Approved	\$2,500.00	\$150,000.00	Quazite	\$5,250.00	\$315,000.00
#2-64	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 24" x 36" x 30", include cover and installation. (Peed rock, 12" wide and 6" deep concrete aprons)	15.00	Each	Quazite or Approved	\$1,500.00	\$22,500.00	Pull Box	\$2,210.00	\$33,150.00
#2-65	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 36" x 60" x 36", include cover and installation. Peed rock, 12" wide and 6" deep concrete aprons	15.00	Each	Quazite or Approved	\$3,000.00	\$45,000.00	Pull Box	\$5,250.00	\$78,750.00
#2-66	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 48" x 48" x 36", include cover and installation. Peed rock, 12" wide and 6" deep concrete aprons	15.00	Each	Quazite or Approved Conduit	\$3,200.00 \$125	\$48,000.00 \$3,750.00	Pull Box CONDUIT	\$5,525.00 \$125	\$82,875.00 \$3,750.00
#2-67	2" Galvanized Ridgid Conduit, 10 LFT /stick	30.00	Each						
#2-68	Mobilization, Four (4) Hour minimum, Regular Hours	9.00	Hour	Labor	\$850	\$7,650.00	LABOR	\$1,050.00	\$9,450.00
#2-69	Mobilization, Four (4) Hour minimum, After Hours	9.00	Hour	Labor	\$1,350.00	\$12,150.00	LABOR	\$1,675.00	\$15,075.00
#2-70	Sod Replacement	3,000.00	Square Foot	Labor	\$2.30	\$6,900.00	GENERIC	\$3.50	\$10,500.00
#2-71	Trenching 36",40" depth	3,000.00	Linear Foot	Labor	\$8	\$24,000.00	LABOR	\$34.50	\$103,500.00
#2-72	Fiber Termination, Optical Fiber Splices	1,500.00	Each	Labor	\$32.50	\$48,750.00	LABOR	\$34.50	\$51,750.00
#2-73	Fiber Termination, UNI-CAM	1,500.00	Each	Labor	\$20	\$30,000.00	LABOR	\$28	\$42,000.00
#2-74	Fiber Termination, Splice Case, 3M Model 2178-LS or approved equal	30.00	Each	Labor	\$427	\$12,810.00	CORNING OPTICAL	\$475	\$14,250.00
#2-75	Concrete Sidewalk Removal and Replacement	150.00	Each	Labor	\$975	\$146,250.00	LABOR	\$1,250.00	\$187,500.00
#2-76	GPR, Ground penetration Radar Utility locating	15,000.00	Linear Foot	Labor	\$2	\$30,000.00	LABOR	\$2.25	\$33,750.00
#2-77	Backhoe with Operator, 4 Hour Minimum, Regular Hours	300.00	Hours	Labor	\$90	\$27,000.00	LABOR	\$280	\$84,000.00
#2-78	Backhoe with Operator, 4 Hour Minimum, After Hours	300.00	Hours	Labor	\$140	\$42,000.00	LABOR	\$425	\$127,500.00
#2-79	Fiber Splice Technician Labor, Regular Hours	600.00	Hours	Labor	\$80	\$48,000.00	LABOR	\$65	\$39,000.00
#2-80	Fiber Splice Technician Labor, After Hours	300.00	Hours	Labor	\$120	\$36,000.00	LABOR	\$97.50	\$29,250.00
#2-81	Professional Services, Engineering permit	30,000.00	Linear Foot	Labor	\$1.50	\$45,000.00	LABOR	\$5	\$150,000.00
#2-82	Additional Labor (Unskilled), Regular Hours	600.00	Hours	Labor	\$40	\$24,000.00	LABOR	\$40	\$24,000.00
#2-83	Additional Labor (Unskilled), After Hours	600.00	Hours	Labor	\$50	\$30,000.00	LABOR	\$60	\$36,000.00
Group 2						\$5,427,556.80			\$8,569,852.50
Allowances						\$483,091.20			\$483,091.20

Bid Tabulation				4 BEST BUSINESS CORP		ASE TELECOM DATA INC	
Inside and Outside Plant Cabling				Group 1		Group 1	
BLD2129200B1				Group 2	\$2,429,678.40	Group 2	\$3,157,425.30
				Total	\$5,910,648.00	Total	\$9,052,943.70
					\$8,340,326.40		\$12,210,369.00
#	Items	Quantity Required	Unit of Measure	Manufacturer Offered	Unit Price	Total Cost	
	Group 2 - Total Initial 3-year award amount					\$5,910,648.00	\$9,052,943.70
	Group 2 - Potential 5-year award amount					\$9,851,080.00	\$15,088,239.50

Bid Tabulation		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
Inside and Outside Plant Cabling		Group 1	\$3,298,206.30		Group 1	\$1,822,820.25		Group 1	\$3,440,282.01	
BLD2129200B1		Group 2	\$102,635,723.70		Group 2	\$0.00		Group 2	\$8,262,368.40	
		Total	\$105,933,930.00		Total	\$1,822,820.25		Total	\$11,702,650.41	
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
1										
#1-1	25 pair PE-89 OSP Cable, Category 3, 24 ga., aluminum shielding,	SUPERIOR ESSEX	\$1.50	\$2,250.00	Superior Essex	\$1.35	\$2,025.00	Superior Essex	\$1.62	\$2,430.00
#1-2	Mohawk Wire 60-4P24-BK-R 1,000 Ft Reel	MOHAWK WIRE	\$470	\$7,050.00	Mohawk	\$432	\$6,480.00	Mohawk Wire + Cable	\$503.40	\$7,551.00
#1-3	Ethernet Cable and Installation of one (1) group of two (2)	MOHAWK WIRE	\$375	\$281,250.00	Vertical Cable	\$230	\$1172,500.00	Mohawk Wire + Cable	\$268.02	\$201,015.00
#1-4	Ethernet Cable and Installation of five (5) Category 6 UTP	MOHAWK WIRE	\$832	\$187,200.00	Vertical Cable	\$405	\$91,125.00	Mohawk Wire + Cable	\$644.06	\$144,913.50
#1-5	Ethernet Cable and Installation of one (1) group of ten (10)	MOHAWK WIRE	\$1,350.00	\$81,000.00	Vertical Cable	\$630	\$37,800.00	Mohawk Wire + Cable	\$1,186.12	\$71,167.20
#1-6	Ethernet Cable and Installation of Single Category 5E UTP	MOHAWK WIRE	\$171	\$256,500.00	Vertical Cable	\$50	\$75,000.00	Mohawk Wire + Cable	\$139.90	\$209,850.00
#1-7	Ethernet Cable and Installation of Single Category 5E UTP Non-Plenum Cable drop (In-Conduit)	siemon	\$155	\$34,875.00	Vertical Cable	\$40	\$9,000.00	Mohawk Wire + Cable	\$120.13	\$27,029.25
#1-8	Ethernet Cable and Installation of one (1) group of two (2)	MOHAWK WIRE	\$286	\$214,500.00	Vertical Cable	\$45	\$33,750.00	Mohawk Wire + Cable	\$269.80	\$202,350.00
#1-9	Ethernet Cable and Installation of one (1) group of three(3)	MOHAWK WIRE	\$398	\$59,700.00	Vertical Cable	\$50	\$7,500.00	Mohawk Wire + Cable	\$404.39	\$60,658.50
#1-10	Ethernet Cable and Installation of one (1) group of five (5)	MOHAWK WIRE	\$585	\$87,750.00	Vertical Cable	\$60	\$9,000.00	Mohawk Wire + Cable	\$648.49	\$97,273.50
#1-11	Ethernet Cable and Installation of one (1) group of ten (10)	MOHAWK WIRE	\$1,235.00	\$74,100.00	Vertical Cable	\$70	\$4,200.00	Mohawk Wire + Cable	\$1,194.98	\$71,698.80
#1-12	Ethernet Cable and Installation of Single Category 6A UTP	MOHAWK WIRE	\$315	\$18,900.00	Vertical Cable	\$265	\$15,900.00	Mohawk Wire + Cable	\$194.04	\$11,642.40
#1-13	Ethernet Cable and Installation of one (1) group of two (2)	MOHAWK WIRE	\$660	\$39,600.00	Vertical Cable	\$335	\$20,100.00	Mohawk Wire + Cable	\$398.27	\$23,896.20
#1-14	Ethernet Cable and Installation of Single Category 7 UTP Plenum Cable drop	SIEMON	\$583	\$34,980.00	Elite Cable	\$475	\$28,500.00	Siemon Co	\$400.89	\$24,053.40
#1-15	Ethernet Cable and Installation of one (1) group of two (2)	SIEMON	\$1,166.50	\$69,990.00	Elite Cable	\$682	\$40,920.00	Siemon Co	\$801.77	\$48,106.20
#1-16	Wall Mounted Metal Equipment Rack Belkin RK1003 12U, or approved equal	EATON	\$1,150.00	\$51,750.00	Belkin	\$450	\$20,250.00	Eaton Corp	\$801.88	\$36,084.60
#1-17	Wall Mounted Metal Equipment Rack, Belkin RK1002 24U, or approved equal.	EATON	\$1,290.00	\$58,050.00	Belkin	\$889	\$40,005.00	Easton Corp	\$1,213.81	\$54,621.45

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
		Group 1 Group 2 Total	\$3,298,206.30 \$102,635,723.70 \$105,933,930.00		Group 1 Group 2 Total	\$1,822,820.25 \$0.00 \$1,822,820.25		Group 1 Group 2 Total	\$3,440,282.01 \$8,262,368.40 \$11,702,650.41	
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#1-18	Floor Mounted Metal 2 Post rack, 42U, Chatsworth Part#167074 or approved equal.	chastworth	\$275	\$12,375.00	Chatsworth	\$229	\$10,309.05	Chatsworth	\$250.02	\$11,250.90
#1-19	Floor Mounted Metal Rack, Belkin RK1000 42U, or approved equal.	chstworth	\$897.50	\$2,692.50	Belkin	\$1,450	\$4,350.00	Schneider Elec IT	\$2,339.97	\$7,019.91
#1-20	Floor Mounted Metal 4 Post rack, 42U, Chatsworth Part# 251149 or approved equal.	chastworth	\$897.50	\$2,692.50	Chatsworth	\$561	\$1,684.35	Otronics	\$711.25	\$2,133.75
#1-21	Horizontal Wire Manager, Belkin single sided cable RK5016	PANDUIT ELEC	\$67	\$6,030.00	Belkin	\$30	\$2,700.00	Panduit Electrical	\$67.15	\$6,043.50
#1-22	Siemon cat-5e jack 8P8C in Orange MX5-F09, or approved equal.	SIEMON	\$7	\$10,500.00	Siemon	\$1	\$1,485.00	Siemon Co	\$11.67	\$17,505.00
#1-23	Siemon MX-SM2-02, Max Surface mount box or approved equal, 2 Port White.	SIEMON	\$5.85	\$877.50	Siemon	\$5	\$822.00	Siemon Co	\$10.48	\$1,572.00
#1-24	Siemon MX-FP-S-04-02, Max Faceplate or approved equal, 2 Port White	SIEMON	\$3.50	\$525.00	Siemon	\$3	\$450.00	Siemon Co	\$8.47	\$1,270.50
#1-25	Siemon MX-FP-S-04-04, Max Faceplate or approved equal, 2 Port White	SIEMON	\$3.50	\$525.00	Siemon	\$3	\$450.00	Siemon Co	\$8.47	\$1,270.50
#1-26	Siemon MX-FP-S-02-02, Max Faceplate or approved equal, 2 Port White	SIEMON	\$3.50	\$525.00	Siemon	\$3	\$450.00	Siemon Co	\$8.47	\$1,270.50
#1-27	Siemon MX-MFP-02 or approved equal, 2 Port White	SIEMON	\$3.50	\$3,150.00	Siemon	\$3	\$2,700.00	Siemon Co	\$8.47	\$7,623.00
#1-28	Siemon MAX Modular Furniture Adapter for Standard Openings, MX-MFP-02 or approved equal	SIEMON	\$5.50	\$4,950.00	Siemon	\$4	\$3,168.00	Siemon Co	\$20.23	\$18,207.00
#1-29	Siemon MX-BL-01 Max Module or approved equal, Blank Insert-Black, 10/Bag	SIEMON	\$6	\$1,800.00	Siemon	\$4	\$1,161.00	Siemon Co	\$11.20	\$3,360.00
#1-30	Siemon Z MAX Cat-6 jack Z606 Blue, or approved equal	SIEMON	\$9.10	\$13,650.00	Siemon	\$7	\$10,875.00	Siemon Co	\$13.59	\$20,385.00
#1-31	Siemon Z6A-S01 Cat-6A jack in Black, or approved equal	SIEMON	\$13.15	\$3,945.00	Siemon	\$10	\$3,078.00	Siemon Co	\$17.12	\$5,136.00
#1-32	Vertical Wire Manager Belkin 7' RK5015 or approved equal	PANDUIT ELEC	\$290	\$17,400.00	BELKIN	\$215	\$12,894.60	Panduit Electrical	\$466.28	\$27,976.80
#1-33	Rack to Runway Mounting Plate Chatsworth 12730-X04, or approved equal	CHATS WORTH	\$60	\$1,800.00	Chatsworth	\$41	\$1,235.10	Chatsworth	\$101.19	\$3,035.70
#1-34	Corning Closet Connector Housing CCH-01U, 19 inch or approved equal.	CORNING	\$312	\$37,440.00	Corning	\$200	\$24,000.00	Corning Optical	\$364.63	\$43,755.60
#1-35	Corning Closet Connector Housing CCH-02U, 19inch or approved equal	CORNING	\$359	\$21,540.00	Corning	\$287	\$17,220.00	Corning Optical	\$421.05	\$25,263.00

Bid Tabulation		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
Inside and Outside Plant Cabling		Group 1	\$3,298,206.30		Group 1	\$1,822,820.25		Group 1	\$3,440,282.01	
BLD2129200B1		Group 2	\$102,635,723.70		Group 2	\$0.00		Group 2	\$8,262,368.40	
		Total	\$105,933,930.00		Total	\$1,822,820.25		Total	\$11,702,650.41	
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#1-36	Corning Closet Connector Housing CCH-04U- 19 inch or approved equal.	CORNING	\$471	\$14,130.00	Corning	\$363	\$10,890.00	Corning Optical	\$537.80	\$16,134.00
#1-37	Corning closet Connector Housing Panels, CCH-CP-12-59 (SC) or approved equal.	CORNING	\$96.20	\$17,316.00	Corning	\$87	\$15,660.00	Corning Optical	\$127.62	\$22,971.60
#1-38	Corning closet Connector Housing Panels, CCH-CP-24-59 (SC), or approved equal.	CORNING	\$225	\$6,750.00	Corning	\$180	\$5,400.00	Corning Optical	\$241.60	\$7,248.00
#1-39	Corning closet Connector Housing Panels, CCH-CP-12-A9 (LC), or approved equal.	CORNING	\$130	\$3,900.00	Corning	\$96	\$2,871.00	Corning Optical	\$141.95	\$4,258.50
#1-40	1" EMT (Electrical Metallic Tubing) Conduit	CONDUIT	\$4	\$4,800.00	Conduit AFC Cable Systems	\$1	\$1,608.00	Conduit	\$162.22	\$194,664.00
#1-41	2" Plenum Rated non-metallic flexible raceway	AFC CABLE SYSTEMS	\$7.50	\$4,500.00		\$6	\$3,402.00	AFC Cable Systems	\$695.35	\$417,210.00
#1-42	Grounding Bar Kit, Storm Copper Company SCGB-1KT or approved equal	CHATS WORTH	\$189	\$8,505.00	Chatsworth	\$125	\$5,642.10	Chatsworth	\$242.00	\$10,890.00
#1-43	Backboard, 4'x8'x3/4", Fire Rated	READYSPEC BACKBOARDS	\$100	\$1,500.00	Menards	\$69	\$1,030.95	ReadySpec Backboards	\$360.00	\$5,400.00
#1-44	24 Port UTP empty patch panel	SIEMON	\$50	\$1,500.00	Siemon	\$38	\$1,137.60	Siemon Co	\$95.76	\$2,872.80
#1-45	48 Port UTP empty patch panel	SIEMON	\$65	\$1,950.00	Siemon	\$45	\$1,335.30	Siemon Co	\$104.97	\$3,149.10
#1-46	Category 6A Patch Panel (24 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 1U, 19 in	SIEMON	\$330	\$9,900.00	Vertical Cable	\$70	\$2,100.00	Siemon Co	\$324.15	\$9,724.50
#1-47	Category 6A Patch Panel (48 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 1U, 19 in	SIEMON	\$615	\$18,450.00	FS	\$115	\$3,450.00	Siemon Co	\$612.91	\$18,387.30
#1-48	Category 6 Patch Panel (24 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 1U, 19 in.	SIEMON	\$285	\$12,825.00	FS	\$70	\$3,150.00	Siemon Co	\$268.92	\$12,101.40
#1-49	Category 6 Patch Panel (48 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 2U, 19 in	SIEMON	\$475	\$21,375.00	Vertical Cable	\$85	\$3,825.00	Siemon Co	\$492.22	\$22,149.90
#1-50	Category 5e Patch Panel (24 Port Modular), Gigabase CAT 5 Patch TIA/EIA 568B, 1U, 19 in	SIEMON	\$195	\$8,775.00	Vertical Cable	\$29	\$1,305.00	Siemon Co	\$180.08	\$8,103.60
#1-51	Category 5e Patch Panel (48 Port Modular), Gigabase CAT 5 Patch TIA/EIA 568B, 2U, 19 in	SIEMON	\$387	\$17,415.00	Vertical Cable	\$42	\$1,890.00	Siemon Co	\$357.76	\$16,099.20
#1-52	100 Pair 110 Mounting Block 5e Rated	SIEMON	\$35	\$1,050.00	Siemon	\$24	\$711.90	Siemon Co	\$30.28	\$908.40
#1-53	Sixty-six (66) Block with Stand Off Bracket, 5e Rated	SIEMON	\$4	\$300	Siemon	\$13	\$987.00	Siemon Co	\$17.23	\$1,292.25
#1-54	Twelve (12) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	CORNING	\$2.78	\$8,340.00	Corning	\$2	\$6,270.00	Corning Optical	\$2.57	\$7,710.00
#1-55	Thirty-six (36) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	CORNING	\$11.90	\$35,700.00	Corning	\$7	\$21,300.00	Corning Optical	\$10.98	\$32,940.00

Bid Tabulation		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
Inside and Outside Plant Cabling		Group 1			Group 1			Group 1		
BLD2129200B1		\$3,298,206.30			\$1,822,820.25			\$3,440,282.01		
		\$102,635,723.70			\$0.00			\$8,262,368.40		
Total		\$105,933,930.00			\$1,822,820.25			\$11,702,650.41		
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#1-56	Forty-eight (48) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	CORNING	\$13.26	\$39,780.00	Corning	\$9	\$25,500.00	Corning Optical	\$12.07	\$36,210.00
#1-57	Twelve (12) Strand Armored Plenum Rated Fiber Single Mode	CORNING	\$1.92	\$5,760.00	Corning	\$1	\$4,290.00	Corning Optical	\$1.76	\$5,280.00
#1-58	Twenty-four (24) Strand Armored Plenum Rated Fiber Single Mode	CORNING	\$3.22	\$9,660.00	Corning	\$2	\$6,780.00	Corning Optical	\$2.97	\$8,910.00
#1-59	Thirty-six (36) Strand Armored Plenum Rated Fiber Single Mode	CORNING	\$8	\$24,000.00	Corning	\$5	\$15,900.00	Corning Optical	\$7.36	\$22,080.00
#1-60	Forty-eight (48) Strand Armored Plenum Rated Fiber Single Mode	CORNING	\$8	\$24,000.00	Corning	\$6	\$17,340.00	Corning Optical	\$7.23	\$21,690.00
#1-61	Aluma Flex- Flexible conduit metallic 3/4 inch	CONDUIT	\$110	\$165,000.00	Conduit	\$1	\$1,380.00	Conduit	\$3.13	\$4,695.00
#1-62	Corrugated Plenum Interduct, 1.5" diam	AFC CABLE SYSTEMS	\$5.05	\$15,150.00	Premier Conduit	\$4	\$10,500.00	AFC Cable Systems	\$7.89	\$23,670.00
#1-63	2" Sleeve (Sheet Rock), Rigid Galvanized Conduit, Escutcheon Plate	CONDUIT	\$105	\$15,750.00	3M	\$42	\$6,304.50	Conduit	\$60.93	\$9,139.50
#1-64	4" Sleeve (Sheet Rock), Rigid Galvanized Conduit, Escutcheon Plate	CONDUIT	\$325	\$9,750.00	3M	\$105	\$3,150.00	Conduit	\$106.50	\$3,195.00
#1-65	2" Sleeve (Cement/Block), Rigid Galvanized Conduit, Escutcheon Plate	ent	\$125	\$18,750.00	3M	\$42	\$6,300.00	Conduit/Plate	\$91.21	\$13,681.50
#1-66	Daily Lift rental: 25-26' Electric Scissor	N/A	\$578	\$8,670.00	Skyjack	\$415	\$6,225.00	SunBelt	\$788.30	\$11,824.50
#1-67	Weekly Lift rental: 25-26' Electric Scissor	N/A	\$950	\$14,250.00	Skyjack	\$750	\$11,250.00	SunBelt	\$1,129.49	\$16,942.35
#1-68	Daily Lift rental: 26 Foot Boom	N/A	\$800	\$12,000.00	JLG	\$550	\$8,250.00	SunBelt	\$1,087.73	\$16,315.95
#1-69	Weekly Lift rental: 26 Foot Boom	N/A	\$1,333.00	\$19,995.00	JLG	\$950	\$14,250.00	SunBelt	\$2,006.85	\$30,102.75
#1-70	4" Sleeve (Cement/Block), Rigid Galvanized Conduit, Escutcheon Plate	ent	\$105	\$1,575.00	3M	\$105	\$1,575.00	Conduit/Plate	\$169.23	\$2,538.45
#1-71	Voice and Data Wire Technician Labor, Regular Hours	JR TELECOM WIRING SOLUTIONS	\$53	\$397,500.00	Quality Wiring	\$50	\$375,000.00	0	\$56.10	\$420,750.00
#1-72	Voice and Data Wire Technician Labor, After Hours	JR TELECOM WIRING SOLUTIONS	\$80	\$120,000.00	Quality Wiring	\$50	\$75,000.00	0	\$76.50	\$114,750.00
#1-73	Ethernet Cable and Installation of Single Category 6 UTP Plenum Cable drop	JR TELECOM WIRING SOLUTIONS	\$250	\$187,500.00	Vertical Cable	\$158	\$118,500.00	Mowak Wire + Cable	\$76.80	\$57,600.00
Group 1		\$2,989,933.50			\$1,514,547.45			\$3,132,009.21		

Bid Tabulation		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
Inside and Outside Plant Cabling		Group 1 Group 2 Total			Group 1 Group 2 Total			Group 1 Group 2 Total		
BLD2129200B1		\$3,298,206.30 \$102,635,723.70 \$105,933,930.00			\$1,822,820.25 \$0.00 \$1,822,820.25			\$3,440,282.01 \$8,262,368.40 \$11,702,650.41		
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
	Allowances			\$308,272.80			\$308,272.80			\$308,272.80
	Group 1 - Total initial 3-year award amount			\$3,298,206.30			\$1,822,820.25			\$3,440,282.01
	Group 1 - Potential 5-year award amount			\$5,497,010.50			\$3,038,033.75			\$5,733,803.35
#2-1	Traffic Control Officer	LABOR	\$100	\$36,000.00	No Charge	\$0	\$0	0	\$45.90	\$16,524.00
#2-2	Work Zone Signs, F&I	LABOR	\$3	\$270	No Charge	\$0	\$0	0	\$2.40	\$216.00
#2-3	Barrier Wall, Temporary, F&I, Concrete	JR TELECOM WIRING SOLUTIONS	\$99	\$297,000.00	No Charge	\$0	\$0	0	\$12.01	\$36,030.00
#2-4	Barrier Wall, Temporary, F&I, Low Profile, Concrete	JR TELECOM WIRING SOLUTIONS	\$8.45	\$25,350.00	No Charge	\$0	\$0	0	\$6	\$18,000.00
#2-5	Portable Changeable Message Sign, F&I, Temporary	JR TELECOM WIRING SOLUTIONS	\$85	\$2,550.00	No Charge	\$0	\$0	0	\$60.03	\$1,800.90
#2-6	Portable Regulatory Sign (FDOT Spec. No. 102-150-1)	JR TELECOM WIRING SOLUTIONS	\$85	\$2,550.00	No Charge	\$0	\$0	0	\$72.03	\$2,160.90
#2-7	Installation of Single fiber cable in Existing Empty Conduit of one(1) 12-144 strand armored fiber cable	LABOR	\$1.85	\$555,000.00	No Charge	\$0	\$0	0	\$1.89	\$567,000.00
#2-8	Installation of Fiber cable in Existing Empty Conduit of two (2) 12-144 strand armored fiber cables	LABOR	\$2.10	\$126,000.00	No Charge	\$0	\$0	0	\$2.30	\$138,000.00
#2-9	Installation of Fiber cable in Existing Empty Conduit of three (3) 12-144 strand armored fiber cables	LABOR	\$2.50	\$37,500.00	No Charge	\$0	\$0	0	\$2.55	\$38,250.00
#2-10	Installation of single (1) Fiber cable in newly installed conduit.	LABOR	\$1.50	\$675,000.00	No Charge	\$0	\$0	0	\$1.28	\$576,000.00
#2-11	One (1) 12-144 strand armored fiber cable	LABOR	\$1.90	\$114,000.00	No Charge	\$0	\$0	0	\$2.55	\$153,000.00
#2-12	Installation of two (2) Fiber cable in Newly installed conduit. 12-144 strand armored fiber cable	LABOR	\$1.90	\$114,000.00	No Charge	\$0	\$0	0	\$2.55	\$153,000.00
#2-13	Fiber Cable Removal from existing conduit	JR TELECOM WIRING SOLUTIONS	\$0.55	\$19,500.00	No Charge	\$0	\$0	0	\$0.51	\$15,300.00
#2-14	Twelve (12) Strand Armored Fiber Cable, Sumitomo PureBand, single mode. SE-V/E 6 fiber/ buffer tube	CORNING	\$0.65	\$5,850.00	No Charge	\$0	\$0	Corning Optical	\$0.59	\$5,310.00
#2-14	Twenty-four (24) Strand Armored Fiber Cable, Sumitomo PureBand, single mode. SE-V/E 6 fiber/ buffer tube	CORNING	\$0.82	\$7,380.00	No Charge	\$0	\$0	Corning Optical	\$0.74	\$6,660.00

Bid Tabulation Inside and Outside Plant Cabling BLD2129200B1		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
		Group 1	\$3,298,206.30		Group 1	\$1,822,820.25		Group 1	\$3,440,282.01	
		Group 2	\$102,635,723.70		Group 2	\$0.00		Group 2	\$8,262,368.40	
		Total	\$105,933,930.00		Total	\$1,822,820.25		Total	\$11,702,650.41	
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#2-15	Thirty-six (36) Strand Armored Fiber Cable, Sumitomo PureBand, single mode	CORNING	\$0.82	\$246,000.00	No Charge	\$0	\$0	Corning Optical	\$0.83	\$249,000.00
#2-16	Forty-eight (48) Strand Armored Fiber Cable, Sumitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	CORNING	\$0.93	\$69,750.00	No Charge	\$0	\$0	Corning Optical	\$0.85	\$63,750.00
#2-17	Ninety-six (96) Strand Armored Fiber Cable, Sumitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	CORNING	\$1.56	\$14,040.00	No Charge	\$0	\$0	Corning Optical	\$1.43	\$12,870.00
#2-18	One hundred forty-four (144) Strand Armored Fiber Cable, Sumitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	CORNING	\$2.40	\$21,600.00	No Charge	\$0	\$0	Corning Optical	\$2.22	\$19,980.00
#2-19	Corning Closet Connector Housing CCH-01U, 19 inch or approved equal	CORNING	\$364	\$10,920.00	No Charge	\$0	\$0	Corning Optical	\$436.66	\$13,099.80
#2-20	Corning Closet Connector Housing CCH-02U, 19inch or approved equal	CORNING	\$425	\$12,750.00	No Charge	\$0	\$0	Corning Optical	\$465.87	\$13,976.10
#2-21	Corning Closet Connector Housing CCH-04U- 19 inch or approved equal	CORNING	\$577	\$17,310.00	No Charge	\$0	\$0	Corning Optical	\$580.36	\$17,410.80
#2-22	Corning closet Connector Housing Panels: CCH-CP-12-59 (SC) or approved equal	CORNING	\$104	\$3,120.00	No Charge	\$0	\$0	Corning Optical	\$118.71	\$3,561.30
#2-23	Fiber Termination: Corning closet Connector Housing Panels: CCH-CP-24-59 (LC), or approved equal	CORNING	\$287	\$8,610.00	No Charge	\$0	\$0	Corning Optical	\$289.39	\$8,681.70
#2-24	Corning closet Connector Housing Panels: CCH-CP-12-49 (LC), or approved equal	CORNING	\$148	\$4,440.00	No Charge	\$0	\$0	Corning Optical	\$162.25	\$4,867.50
#2-25	SC Fiber Connector, Single Mode, Corning UNI-Cam #95-200-41 or approved equal	CORNING	\$21	\$18,900.00	No Charge	\$0	\$0	Corning Optical	\$33.50	\$30,150.00
#2-26	SC Fiber Connector, Multi-Mode, high performance, 50µm, Corning UNI-Cam #95-050-41-X or approved equal	CORNING	\$18.33	\$8,248.50	No Charge	\$0	\$0	Corning Optical	\$32.17	\$14,476.50
#2-27	SC Fiber Connector, Multi-Mode, 62.5µm, Corning UNI-Cam #95-000-40 or approved equal	CORNING	\$15.60	\$7,020.00	No Charge	\$0	\$0	Corning Optical	\$61.20	\$27,540.00
#2-28	Fiber Closure Kit, standard, Coyote Runt or approved equal	PREFORMED LN	\$230	\$13,800.00	No Charge	\$0	\$0	Performed LN	\$340.10	\$20,406.00
#2-29	Fiber Splice Tray, Coyote Runt or approved equal - up to 12 splices	PREFORMED LN	\$40.30	\$7,254.00	No Charge	\$0	\$0	Performed LN	\$61.94	\$11,149.20
#2-30	Fiber Closure, Coyote PUP or approved equal	PREFORMED LN	\$357	\$21,420.00	No Charge	\$0	\$0	Performed LN	\$507.72	\$30,463.20
#2-31	Spider Fan Out Kit, 6 Fiber, 25 inches, Corning or approved equal	Corning	\$26	\$3,900.00	No Charge	\$0	\$0	Corning Optical	\$53.34	\$8,001.00

Bid Tabulation Inside and Outside Plant Cabling BID2129200B1		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
		Group 1	\$3,298,206.30		Group 1	\$1,822,820.25		Group 1	\$3,440,282.01	
		Group 2	\$102,635,723.70		Group 2	\$0.00		Group 2	\$8,262,368.40	
		Total	\$105,933,930.00		Total	\$1,822,820.25		Total	\$11,702,650.41	
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#2-32	Spider Fan Out Kit, 12 Fiber, 25 inches, Corning or approved equal	CORNING	\$27.30	\$4,095.00	No Charge	\$0	\$0	Corning Optical	\$77.14	\$11,571.00
#2-33	Sumitomo Future Flex-Water-Blocked Dielectric Tube Cable. Four (4) Tubes. Part number TC04TOD	Sumitomo	\$6.23	\$18,690.00	No Charge	\$0	\$0	Sumitomo Electric	\$4.70	\$14,100.00
#2-34	Sumitomo Future Flex-Water-Blocked Dielectric Tube Cable. Seven (7) Tubes. Part number TC07TOX	N/A	\$0	\$0	No Charge	\$0	\$0	Sumitomo Electric	\$5.55	\$166,500.00
#2-35	Sumitomo Future Flex-Water-Blocked Dielectric Tube Cable. Nineteen (19) Tubes. Part number TC19TOX	N/A	\$0	\$0	No Charge	\$0	\$0	Sumitomo Electric	\$10.04	\$30,120.00
#2-36	Sumitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket. Indoor rated. Two (2) Tubes. Part number TC02TP2	N/A	\$0	\$0	No Charge	\$0	\$0	Sumitomo Electric	\$5.97	\$17,910.00
#2-37	Sumitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket. Indoor rated. Four (4) Tubes. Part number TC04TP2	N/A	\$0	\$0	No Charge	\$0	\$0	Sumitomo Electric	\$8.13	\$24,390.00
#2-38	Sumitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket. Indoor rated. Seven (7) Tubes. Part number TC07TP2	N/A	\$0	\$0	No Charge	\$0	\$0	Sumitomo Electric	\$12.98	\$38,940.00
#2-39	Sumitomo Future Flex-Outdoor/Indoor Rated Tube Cable. Four (4) Tubes. Part number TC04MTX	Sumitomo	\$15	\$45,000.00	No Charge	\$0	\$0	Sumitomo Electric	\$12.88	\$38,640.00
#2-40	Sumitomo Future Flex-Outdoor/Indoor Rated Tube Cable. Seven (7) Tubes. Part number TC07MTX	Sumitomo	\$16	\$48,000.00	No Charge	\$0	\$0	Sumitomo Electric	\$13.75	\$41,250.00
#2-41	Sumitomo Fiber Bundles-Single Mode Fiber. Twelve (12) fibers. Part number FB12SX	Sumitomo	\$1.89	\$11,340.00	No Charge	\$0	\$0	Sumitomo Electric	\$0.95	\$5,700.00
#2-42	Sumitomo Fiber Bundles-Single Mode Fiber. Twenty-four (24) fibers. Part number FB24SX	Sumitomo	\$3.25	\$19,500.00	No Charge	\$0	\$0	Sumitomo Electric	\$2.74	\$16,440.00
#2-43	Sumitomo Fiber Bundles-Multi Mode Fiber 50 um. Twelve (12) fibers. Part number FB12M5	Sumitomo	\$5.25	\$7,875.00	No Charge	\$0	\$0	Sumitomo Electric	\$3.51	\$5,265.00
#2-44	Sumitomo Fiber Bundles- Laser Optimized Multi Mode 50 um Fiber. Twelve (12) fibers. Part number FB12G55	Sumitomo	\$7.40	\$44,400.00	No Charge	\$0	\$0	Sumitomo Electric	\$6.58	\$39,480.00
#2-45	Sumitomo Fiber Bundles- Laser Optimized Multi Mode 50 um Fiber. Twenty-four (24) fibers. Part number FB24G55	Sumitomo	\$11.45	\$68,700.00	No Charge	\$0	\$0	Sumitomo Electric	\$12.14	\$72,840.00
#2-46	Outside Plant Airblown Fiber: Installation of air blown fiber bundles	N/A	\$4	\$120,000.00	No Charge	\$0	\$0	Sumitomo Electric	\$2.04	\$61,200.00

Bid Tabulation		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
Inside and Outside Plant Cabling		Group 1	\$3,298,206.30		Group 1	\$1,822,820.25		Group 1	\$3,440,282.01	
BLID2129200B1		Group 2	\$102,635,723.70		Group 2	\$0.00		Group 2	\$8,262,368.40	
Total		\$105,933,930.00			\$1,822,820.25			\$11,702,650.41		
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#2-47	Conduit Installation: Directional Bore for One (1) 2" HDPE Pipe SDR 11.	DURA-LINE	\$965	\$86,850,000.00	No Charge	\$0	\$0	Duraline	\$23.72	\$2,134,800.00
#2-48	Conduit Installation of Directional Bore for Two (2) 2" HDPE SDR11	DURA-LINE	\$965	\$10,132,500.00	No Charge	\$0	\$0	Duraline	\$25.26	\$265,230.00
#2-49	Conduit Installation of Directional Bore for Three (3) 2" HDPE Pipe SDR 11	DURA-LINE	\$20	\$150,000.00	No Charge	\$0	\$0	Duraline	\$26.28	\$197,100.00
#2-50	Conduit Installation of Directional Bore for One (1) 2" HDPE SDR 11	DURA-LINE	\$15	\$225,000.00	No Charge	\$0	\$0	Duraline	\$23.72	\$355,800.00
#2-51	Conduit Installation of Directional Bore for Two (2) 2" HDPE SDR 11	DURA-LINE	\$18	\$189,000.00	No Charge	\$0	\$0	Duraline	\$25.26	\$265,230.00
#2-52	Conduit Installation of Directional Bore for Three (3) 2" HDPE Pipe SDR 11	DURA-LINE	\$23	\$69,000.00	No Charge	\$0	\$0	Duraline	\$26.28	\$78,840.00
#2-53	Conduit Installation of Directional Bore for One (1) 4" HDPE Pipe SDR 11	DURA-LINE	\$24	\$144,000.00	No Charge	\$0	\$0	Duraline	\$20.73	\$124,380.00
#2-54	Conduit Installation of Directional Bore for Two (2) 4" HDPE Pipe SDR 11	DURA-LINE	\$30	\$180,000.00	No Charge	\$0	\$0	Duraline	\$23.29	\$139,740.00
#2-55	Conduit Installation of Directional Bore for One (1) 4" HDPE Pipe SDR 11	DURA-LINE	\$27	\$162,000.00	No Charge	\$0	\$0	Duraline	\$20.73	\$124,380.00
#2-56	Conduit Installation of Directional Bore for Two (2) 4" HDPE Pipe SDR 11	DURA-LINE	\$32	\$192,000.00	No Charge	\$0	\$0	Duraline	\$23.29	\$139,740.00
#2-57	Conduit Installation of Missile Bore, Pneumatic Missile Bore per foot. Installation of County-owned material	N/A	\$18	\$27,000.00	No Charge	\$0	\$0	0	\$12.24	\$18,360.00
#2-58	Asphalt Cut, Removal & Restoration, material and installation. DOT Approved Asphalt mix. Two (2) inches	N/A	\$10	\$15,000.00	No Charge	\$0	\$0	0	\$12.24	\$18,360.00
#2-59	Asphalt Cut, Removal & Restoration, material and installation. DOT Approved Asphalt mix. Four (4) inches	N/A	\$18	\$27,000.00	No Charge	\$0	\$0	0	\$15.30	\$22,950.00
#2-60	Underground Access Structure (Manhole), Precast (concrete) 6'x6'x 6'4"	N/A	\$0	\$0	No Charge	\$0	\$0	0	\$11,102.70	\$166,540.50
#2-61	Quazite Tier 15 pull box, 24" x 36" x 30 ", include cover and installation. (Peed rock, 12" wide and 6" deep concrete aprons)	AMERICAN POLYMER	\$4,000.00	\$60,000.00	No Charge	\$0	\$0	Quazite	\$1,470.69	\$22,060.35
#2-62	Quazite Tier 15 pull box, 48" x 48" x 36 ", include cover and installation (Peed rock, 12" wide and 6" deep concrete aprons)	AMERICAN POLYMER	\$4,200.00	\$63,000.00	No Charge	\$0	\$0	Quazite	\$6,054.75	\$90,821.25

Bid Tabulation		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
Inside and Outside Plant Cabling		Group 1			Group 1			Group 1		
BLD2129200B1		Group 2			Group 2			Group 2		
		Total			Total			Total		
		\$3,298,206.30			\$1,822,820.25			\$3,440,282.01		
		\$102,635,723.70			\$0.00			\$8,262,368.40		
		\$105,933,930.00			\$1,822,820.25			\$11,702,650.41		
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
#2-63	Quazite Tier 15 pull box, 36"x 60" x 36 ", include cover and installation, (Peed rock, 12" wide and 6" deep concrete aprons)	AMERICAN POLYMER	\$3,950.00	\$237,000.00	No Charge	\$0	\$0	Quazite	\$6,766.42	\$405,985.20
	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 24" x 36" x 30", include cover and installation, (Peed rock, 12" wide and 6" deep concrete aprons)									
#2-64	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 36" x 60" x 36", include cover and installation, Peed rock, 12" wide and 6" deep concrete aprons	AMERICAN POLYMER	\$3,000.00	\$45,000.00	No Charge	\$0	\$0	Quazite	\$1,470.69	\$22,060.35
#2-65	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 48" x 48" x 36", include cover and installation, Peed rock, 12" wide and 6" deep concrete aprons	AMERICAN POLYMER	\$5,000.00	\$75,000.00	No Charge	\$0	\$0	Quazite	\$6,776.42	\$101,646.30
#2-66	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 48" x 48" x 36", include cover and installation, Peed rock, 12" wide and 6" deep concrete aprons	HUBBELL	\$6,000.00	\$90,000.00	No Charge	\$0	\$0	Quazite	\$6,064.75	\$90,971.25
#2-67	2" Galvanized Ridgid Conduit, 10 LFT /stick	CONDUIT	\$150	\$4,500.00	No Charge	\$0	\$0	Conduit	\$9.93	\$297.90
#2-68	Mobilization, Four (4) Hour minimum, Regular Hours	JR TELECOM WIRING SOLUTIONS	\$700	\$6,300.00	No Charge	\$0	\$0		\$244.80	\$2,203.20
#2-69	Mobilization, Four (4) Hour minimum, After Hours	JR TELECOM WIRING SOLUTIONS	\$1,300.00	\$11,700.00	No Charge	\$0	\$0		\$367.20	\$3,304.80
#2-70	Sod Replacement	N/A	\$2.50	\$7,500.00	No Charge	\$0	\$0		\$3.06	\$9,180.00
#2-71	Trenching 36"-40" depth	N/A	\$25	\$75,000.00	No Charge	\$0	\$0		\$7.65	\$22,950.00
#2-72	Fiber Termination, Optical Fiber Splices	CORNING	\$30	\$45,000.00	No Charge	\$0	\$0		\$30.60	\$45,900.00
#2-73	Fiber Termination, UNI-CAM	Labor	\$23	\$34,500.00	No Charge	\$0	\$0		\$15.30	\$22,950.00
#2-74	Fiber Termination, Splice Case, 3M Model 2178-LS or approved equal	N/A	\$350	\$10,500.00	No Charge	\$0	\$0	Corning Optical	\$611.04	\$18,331.20
#2-75	Concrete Sidewalk Removal and Replacement	n/a	\$20	\$3,000.00	No Charge	\$0	\$0		\$18.36	\$2,754.00
#2-76	GPR- Ground pentarition Radar Utility locating	N/A	\$1.50	\$22,500.00	No Charge	\$0	\$0		\$0.26	\$3,900.00
#2-77	Backhoe with Operator, 4 Hour Minimum, Regular Hours	Labor	\$100	\$30,000.00	No Charge	\$0	\$0		\$40.80	\$12,240.00
#2-78	Backhoe with Operator, 4 Hour Minimum, After Hours	Labor	\$120	\$36,000.00	No Charge	\$0	\$0		\$56.10	\$16,830.00
#2-79	Fiber Splice Technician Labor, Regular Hours	Labor	\$50	\$30,000.00	No Charge	\$0	\$0		\$66.30	\$39,780.00
#2-80	Fiber Splice Technician Labor, After Hours	JR TELECOM WIRING Labor	\$70	\$21,000.00	No Charge	\$0	\$0		\$91.80	\$27,540.00
#2-81	Professional Services, Engineering permit	SOLUTIONS	\$2	\$60,000.00	No Charge	\$0	\$0		\$0.51	\$15,300.00
#2-82	Additional Labor (Unskilled), Regular Hours	Labor	\$30	\$18,000.00	No Charge	\$0	\$0		\$30.60	\$18,360.00
#2-83	Additional Labor (Unskilled), After Hours	Labor	\$40	\$24,000.00	No Charge	\$0	\$0		\$40.80	\$24,480.00
	Group 2			\$102,152,632.50			\$0			\$7,779,277.20
	Allowances			\$483,091.20						\$483,091.20

Bid Tabulation		JR TELECOM WIRING SOLUTIONS LLC			QUALITY WIRING			UNITEC		
Inside and Outside Plant Cabling		Group 1	\$3,298,206.30		Group 1	\$1,822,820.25		Group 1	\$3,440,282.01	
BLD2129200B1		Group 2	\$102,635,723.70		Group 2	\$0.00		Group 2	\$8,262,368.40	
Total		Total	\$105,933,930.00		Total	\$1,822,820.25		Total	\$11,702,650.41	
#	Items	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost	Manufacturer Offered	Unit Price	Total Cost
	Group 2 - Total Initial 3-year award amount			\$102,635,723.70			\$0.00			\$8,262,368.40
	Group 2 - Potential 5-year award amount			\$171,059,539.50			\$0			\$13,770,614.00



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400

MEMORANDUM

DATE: February 6, 2025

TO: Karlene Grant, Purchasing Agent Senior
Broward County Purchasing Division

THRU: Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

SANDY-MICHAEL MCDONALD
Digitally signed by SANDY-MICHAEL MCDONALD
Date: 2025.02.10 16:08:57 -05'00'

FROM: Donna-Ann Knapp, Small Business Development Manager
Office of Economic and Small Business Development

DONNA-ANN KNAPP
Digitally signed by DONNA-ANN KNAPP
Date: 2025.02.10 09:53:17 -05'00'

**SUBJECT: BID No. BLD2129200B1_ Inside and Outside Plant Cabling
County Business Enterprise (CBE) Evaluation**

The Office of Economic and Small Business Development (OESBD) conducted a review of the respondents' compliance to the County Business Enterprise (CBE) requirements for this solicitation. An overview is provided as follows:

CBE Goal for this project: 25%

Met the CBE Requirements:

<u>Firm Name</u>	<u>Category</u>	<u>Percentage</u>
4 Best Business, Corp (prime)	CBE	80.00%

Total Bid Amount: \$7,548,962.40
CBE Participation: 80.00%

ASE Telecom Data, Inc (prime)	CBE	25.00%
A.S.K. Cable Communications		

Total Bid Amount: \$11,419,005.00
CBE Participation: 25.00%

JR Telecom Wiring Solution, LLC (prime)	CBE	25.00%
Alpha Security & Fire Alarm Service, Inc.		

Total Bid Amount: \$105,142,566.00 CBE
Participation: 25.00%

Met the CBE Requirements (continued):

<u>Firm Name</u>	<u>Category</u>	<u>Percentage</u>
Quality Wiring, Inc (prime)		
Ferguson Cabling Corporation	CBE	25.00%

Total Bid Amount: \$1,514,547.45

CBE Participation: 25.00%

Did Not Met the CBE Requirements:

<u>Firm Name</u>	<u>Category</u>	<u>Percentage</u>
Unitec, Inc (prime)	Non-CBE	0.00%

Total Bid Amount: \$10,911,286.41 CBE

Participation: 0.00%

CBE Compliance Comments:

4 Best Business, Corp, and ASE Telecom Data, Inc., submitted incomplete Letters of Intent (LOIs) with their respective bid responses. The firms were each given three (3) business days to provide LOIs that meet the established 25% CBE goal or provide documentation of their respective Good Faith Efforts.

JR Telecom Wiring Solution, LLC, did not submit an LOI with its bid response. The firm was given three (3) business days to provide LOIs that meet the established 25% CBE goal or provide documentation of their Good Faith Efforts.

Quality Wiring, Inc, and **Unitec, Inc,** did not submit LOIs with their respective bid responses. Both firms each submitted an incomplete response with Application for Evaluation of Good Faith Efforts forms. These five (5) firms were given three (3) business days to provide LOIs that meet the established 25% CBE goal or provide documentation of their Good Faith Efforts to meet the goal.

4 Best Business Corp, ASE Telecom Data, Inc., JR Telecom Wiring Solution, LLC and Quality Wiring, Inc all responded within the stipulated time frame and provided LOIs that meet the established goal. **4 Best Business, Corp, ASE Telecom Data, Inc., JR Telecom Wiring Solution, LLC and Quality Wiring, Inc,** are all compliant with the CBE requirements of the solicitation.

Unitec, Inc., responded within the stipulated time frame and submitted an Application for Evaluation of Good Faith Efforts (GFE) form along with support documentation.

Upon review of the documentation accompanying the GFE form submitted by **Unitec, Inc.,** OESBD determined that Unitec, Inc. attended the pre-bid meeting on December 18, 2024, at which the solicitation's CBE goal requirements were explained by OESBD. However, the vendor did not submit LOIs that meet the established goal or provide sufficient documentation of good faith efforts made to meet the goal. **Unitec, Inc.** did not attempt to subcontract the services of CBE firms during the solicitation period of December 9, 2024, to January 14, 2025. Based on the documentation submitted to OESBD, **Unitec, Inc.** first made contact with CBEs on January 29, 2025. The vendor only attempted to make efforts during the three-day review period allotted by OESBD to vendors to submit missing information. These efforts are not in keeping with the spirit and intent of the CBE Program as they did not

afford sufficient time for CBEs to receive, review and respond to the vendor's request. Additionally, the vendor identified and chose four (4) CBEs on January 29, 2025, to contact for concrete and manhole services; however, as of February 4, 2025, a keyword search of the certified firm directory for "concrete" resulted in 38 firms and "manhole" resulted in two (2) firms.

Section 1-81.5(d)(2) of the Broward County Business Opportunity Act, states "In determining whether a Bidder or Prime Contractor has demonstrated Good Faith Efforts, the Program Director shall consider the quality, quantity, and extent of the Bidder's or Prime Contractor's efforts to satisfy the established CBE goal". The following is to be taken under consideration when determining a Bidder's good faith efforts:

- a. Soliciting through activities such as attendance at pre-bid meetings, advertising, or written notices, the interest of certified CBEs that have the ability and capacity to perform the work. The Bidder or Prime Contractor must solicit this interest in a timely manner to allow the CBEs an opportunity to respond. The Bidder or Prime Contractor must take appropriate steps to follow up on initial solicitations of CBEs.
- b. Identifying the portions of the work that could reasonably be performed by a CBE in order to increase the likelihood that the CBE goal will be achieved.
- c. Providing each interested CBE with adequate information about the plans, specifications, and requirements of the contract in a timely manner.
- d. Negotiating in good faith with each interested CBE.
- e. Rejecting an interested CBE as being unqualified for participation only after diligently investigating the CBE's capabilities and documenting the sound reasons justifying such rejection (with such documentation to be provided to the Program Director).
- f. Contacting OESBD for assistance, including with regard to recruiting CBEs or, when the scope of services changes or a change in CBE is warranted, to request the substitution or addition of a CBE to increase CBE participation.

Section 1-81.5 (d) (3) of the Act states: "In determining whether a Bidder has made Good Faith Efforts, the Program Director may also consider the level of CBE participation proposed by other Bidders as well as any representations made by the Bidder during the bid, proposal, or selection phases of the procurement regarding the Bidder's commitment to attain the CBE goal."

As a part of its GFE review, OESBD also considered the fact that the other four (4) vendors that responded to the solicitation were able to meet the established 25% CBE goal. **Unitec, Inc.** failed to demonstrate the quality, quantity, and extent of the various efforts, made in good faith, to meet the established goal. **Unitech, Inc.** is non-compliant with the CBE requirements of the solicitation.

cc: Maribel Feliciano, Assistant Director, OESBD
Tabitha Pope, Small Business Development Specialist, OESBD



TO: Robert Gleason, Director
Purchasing Division
FROM: Keith A. Wolf, Information Systems Administrator
Enterprise Technology Services
SUBJECT: Solicitation No.: BLD2129200B1
Inside and Outside Plant Cabling

Recommended Vendor: Quality Wiring, Inc.

Recommended Group(s)/Line Item(s): Group 1

Initial Award Amount: \$ 1,822,820.25

Potential Total Amount: \$ 3,038,033.75

Initial Contract Term: Three Years

Contract Term, including Renewals: Five Years

CONCURRENCE:

- ☒ The agency has reviewed Vendor's response(s) for specification compliance and Vendor responsibility, which includes license requirements (if applicable). I have reviewed all documents including the Vendor Questionnaire and after careful evaluation, I concur with recommendation for award to the Vendor.

FINANCIAL BACKGROUND/D & B REPORT: (check one)

- ☒ I am satisfied with the Vendor's financial background and/or rating and payment performance.
☐ Not applicable Provide explanation if choosing this option

LITIGATION HISTORY: (check one)

- ☐ I have reviewed the Litigation History Form and there is no issue of concern.
☐ Refer to additional information from the Office of the County Attorney to address an issue/concern.

PAST PERFORMANCE: (check all that apply)

I have reviewed the Vendor's past Performance Evaluations in ContractsCentral and:

- ☐ Vendor received an overall rating ≥ 2.59 on all evaluations.
☐ No evaluations within the past three years contained any items rated a score of 2 or less.
☐ Vendor received a rating ≤ 2.59 on an evaluation(s). Refer to additional information.
☐ Vendor received a score of ≤ 2 on an individual item(s). Refer to additional information.
☐ Past evaluations are not relevant to the scope of this contract.
☒ No past Performance Evaluations exist in ContractsCentral.

AND

- ☒ Reference Verification Forms are attached.

OR

- ☐ Reference Verification Forms are not required: Commodity only purchase (less than \$250,000); Service less than \$100,000 and the Vendor has a Performance Evaluation within the past three years.

NON-CONCURRENCE:

- ☐ I do not concur. Detailed reason for non-concurrence is attached, including the reference to any bid requirement.

TYPED NAME OF SIGNER: Keith A. Wolf
(Individual authorized to administer the contract.)

TITLE: Information Systems Administrator

SIGNATURE:

Digitally signed by 7fe92dba-dcd1-4932-b1c6-ec52b689f79a
Date: 2025.03.05 15:29:30 -05'00'

DATE: 3/5/25



Vendor Reference Verification Form for Bids and Quotes

Broward County Solicitation No. and Title: Inside and Outside cabling Requisition **ETS0003281**

Reference for (Name of Firm): Quality Wiring, Inc.

Organization/Firm Name providing reference: City of North Miami Beach

Contact Name: Victor Ng

Title: Technical Operations Manager

Contact Email: tsung.ng@citynmb.com

Contact Phone: (305) 807-8219

Name of Referenced Project: Wiring Services

Contract No. 757

Contract Amount: 300,000.00

Date Services Provided: 2022 - Present

(list date range or date services began until "current")

Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/Subcontractor

Would you use this vendor again? ☐ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Installation of ethernet, fiber, conduits, and cameras

Please rate your experience with the referenced Vendor:

	Needs Improvement	Satisfactory	Excellent	Not Applicable
1. Vendor's Quality of Service	☐	☐	☒	☐
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
2. Vendor's Organization:	☐	☐	☒	☐
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Turnover	☐	☐	☒	☐
3. Timeliness of:	☐	☐	☒	☐
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments: (provide on additional sheet if needed)

References Checked By

Name: Keith A. Wolf

Title: Information Systems Administrator

Division/Department: ETS/FASD

Date of Verification: 03/05/2025



Vendor Reference Verification Form for Bids and Quotes

Broward County Solicitation No. and Title: Inside and Outside cabling Requisition **ETS0003281**

Reference for (Name of Firm): Quality Wiring, Inc.

Organization/Firm Name providing reference: City of Miami

Contact Name: Asael Marrero

Title: Assistant City Manager

Contact Email: amarrero@miamigov.com

Contact Phone: (305) 416-1003

Name of Referenced Project: Data & Voice, Fiber Optic Infrastructure, Security CCTV Systems

Contract No. 823382(24)

Contract Amount: 1,500,000.00

Date Services Provided: Since 10/1/2018

(list date range or date services began until "current")

Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/Subcontractor

Would you use this vendor again? ☐ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Installation of ethernet, fiber, conduits, and cameras

Please rate your experience with the referenced Vendor:

	Needs Improvement	Satisfactory	Excellent	Not Applicable
1. Vendor's Quality of Service	☐	☐	☒	☐
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
2. Vendor's Organization:	☐	☐	☒	☐
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Turnover	☐	☐	☒	☐
3. Timeliness of:	☐	☐	☒	☐
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments: (provide on additional sheet if needed)

None.

References Checked By

Name: Keith A. Wolf

Title: Information Systems Administrator

Division/Department: ETS/FASD

Date of Verification: 03/04/2025



Vendor Reference Verification Form for Bids and Quotes

Broward County Solicitation No. and Title: Inside and Outside cabling Requisition **ETS0003281**

Reference for (Name of Firm): Quality Wiring, Inc.

Organization/Firm Name providing reference: City of Miami

Contact Name: Asael Marrero

Title: Assistant City Manager

Contact Email: amarrero@miamigov.com

Contact Phone: (305) 416-1003

Name of Referenced Project: Data & Voice, Fiber Optic Infrastructure, Security CCTV Systems

Contract No. 823382(24)

Contract Amount: 1,500,000.00

Date Services Provided: Since 10/1/2018

(list date range or date services began until "current")

Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/Subcontractor

Would you use this vendor again? ☐ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Installation of ethernet, fiber, conduits, and cameras

Please rate your experience with the referenced Vendor:

	Needs Improvement	Satisfactory	Excellent	Not Applicable
1. Vendor's Quality of Service	☐	☐	☒	☐
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
2. Vendor's Organization:	☐	☐	☒	☐
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Turnover	☐	☐	☒	☐
3. Timeliness of:	☐	☐	☒	☐
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments: (provide on additional sheet if needed)

None.

References Checked By

Name: Keith A. Wolf

Title: Information Systems Administrator

Division/Department: ETS/FASD

Date of Verification: 03/04/2025



TO: Robert Gleason, Director
Purchasing Division
FROM: Keith A. Wolf, Information Systems Administrator
Enterprise Technology Services
SUBJECT: Solicitation No.: BLD2129200B1
Inside and Outside Plant Cabling

Recommended Vendor: 4 Best Business Corp
Recommended Group(s)/Line Item(s): Group 2
Initial Award Amount: \$ 5,910,648.00 Potential Total Amount: \$ 9,851,080.00
Initial Contract Term: Three Years Contract Term, including Renewals: Five Years

CONCURRENCE:

☒ The agency has reviewed Vendor's response(s) for specification compliance and Vendor responsibility, which includes license requirements (if applicable). I have reviewed all documents including the Vendor Questionnaire and after careful evaluation, I concur with recommendation for award to the Vendor.

FINANCIAL BACKGROUND/D & B REPORT: (check one)

☒ I am satisfied with the Vendor's financial background and/or rating and payment performance.
☐ Not applicable Provide explanation if choosing this option

LITIGATION HISTORY: (check one)

☒ I have reviewed the Litigation History Form and there is no issue of concern.
☐ Refer to additional information from the Office of the County Attorney to address an issue/concern.

PAST PERFORMANCE: (check all that apply)

I have reviewed the Vendor's past Performance Evaluations in ContractsCentral and:

☒ Vendor received an overall rating ≥ 2.59 on all evaluations.
☐ No evaluations within the past three years contained any items rated a score of 2 or less.
☐ Vendor received a rating ≤ 2.59 on an evaluation(s). Refer to additional information.
☐ Vendor received a score of ≤ 2 on an individual item(s). Refer to additional information.
☐ Past evaluations are not relevant to the scope of this contract.
☐ No past Performance Evaluations exist in ContractsCentral.

AND

☒ Reference Verification Forms are attached.

OR

☐ Reference Verification Forms are not required: Commodity only purchase (less than \$250,000); Service less than \$100,000 and the Vendor has a Performance Evaluation within the past three years.

NON-CONCURRENCE:

☐ I do not concur. Detailed reason for non-concurrence is attached, including the reference to any bid requirement.

TYPED NAME OF SIGNER: Keith A. Wolf
(Individual authorized to administer the contract.)

TITLE: Information Systems Administrator

SIGNATURE:

Digitally signed by 7fe92dba-dcd1-4932-b1c6-ec52b689f79a
Date: 2025.03.04 10:03:54 -05'00'

DATE: 3/4/25



Vendor Reference Verification Form for Bids and Quotes

Broward County Solicitation No. and Title: Inside and Outside cabling Requisition **ETS0003281**

Reference for (Name of Firm): 4 Best Business Corp

Organization/Firm Name providing reference: Amkin Group

Contact Name: Juan Pablo Alfonso

Title: Sr Project Manager

Contact Email: jalfonso@amkinre.com

Contact Phone: (754) 214-0601

Name of Referenced Project: 1450/One Broadway

Contract No.

Contract Amount: 1,113,000

Date Services Provided: From 2023 to present

(list date range or date services began until "current")

Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/Subcontractor

Would you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Please rate your experience with the referenced Vendor:

Needs
Improvement

Satisfactory

Excellent

Not
Applicable

1. Vendor's Quality of Service

a. Responsive

b. Accuracy

c. Deliverables

2. Vendor's Organization:

a. Staff expertise

b. Professionalism

c. Turnover

3. Timeliness of:

a. Project

b. Deliverables

Additional Comments: (provide on additional sheet if needed)

References Checked

By Name: Keith A. Wolf

Title: Information Systems Administrator

Division/Department: ETS/FASD

Date of Verification: 03/03/2025

Vendor Reference Verification Form for Bids and Quotes

Broward County Solicitation No. and Title: TRN2128857B1 CCTV System Installation, Repair, Support & PM

Reference for (Name of Firm): 4 Best Business Corp.

Organization/Firm Name providing reference: Miami Dade County Public Schools

Contact Name: Pablo Vilchez

Title: Building Security Systems Coordinator

Contact Email: pvilchez@dadeschools.net

Contact Phone: (305) 995-7802

Name of Referenced Project: Security System Services

Contract No. N/A

Contract Amount: 7,500,000.00

Date Services Provided: Since 2021

(list date range or date services began until "current")

Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/Subcontractor

Would you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Security System Services

Please rate your experience with the referenced Vendor:

Needs Improvement Satisfactory Excellent Not Applicable

1. Vendor's Quality of Service	☐	☐	☒	☐
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
2. Vendor's Organization:	☐	☐	☒	☐
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Turnover	☐	☐	☐	☒
3. Timeliness of:	☐	☐	☒	☐
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments: (provide on additional sheet if needed)

Very satisfied. Close to perfect.

References Checked By

Name: Michael A. Bryant

Title: Contracts Grants Administrator

Division/Department: Transit/Transportation Department

Date of Verification: 01/27/2025

Vendor Reference Verification Form for Bids and Quotes

Broward County Solicitation No. and Title: TRN2128857B1 CCTV System Installation, Repair, Support & PM

Reference for (Name of Firm): 4 Best Business Corp.

Organization/Firm Name providing reference: JLL

Contact Name: Ingrid Vasquez

Title: Sr. Vice President

Contact Email: Ingrid.Vasquez@jll.com

Contact Phone: (305) 371-6059

Name of Referenced Project: Camera Systems & Access Control

Contract No. N/A

Contract Amount: 471,000.00

Date Services Provided: Since 2021

(list date range or date services began until "current")

Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/Subcontractor

Would you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Camera Systems & Access Control

Please rate your experience with the referenced Vendor:

Needs
Improvement

Satisfactory

Excellent

Not
Applicable

1. Vendor's Quality of Service

a. Responsive

b. Accuracy

c. Deliverables

2. Vendor's Organization:

a. Staff expertise

b. Professionalism

c. Turnover

3. Timeliness of:

a. Project

b. Deliverables

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Additional Comments: (provide on additional sheet if needed)

References Checked By

Name: Michael A. Bryant

Title: Contracts Grants Administrator

Division/Department: Transit/Transportation Department

Date of Verification: 01/28/2025

Price Analysis

Solicitation No.: BLD2129200B1
Solicitation Title Inside and Outside Plant Cabling
Date Bid Posted 12/9/2024
Date Bid Opens 1/14/2025
Bid Submittals: Five (5)
Declinations: Zero (0)



Ledger:		
Prices from PAV was less than 25% from Vendor =		
Prices from PAV greater than 25% from Vendor =		

Abbreviations:

UOM = Unit of Measure
AWD = Award
QTY = Quantity
PAV = Potential Awarded Vendor

Quality Wiring, Inc. *PAV					4 Best Business Corp *PAV			ASE Telecom Data Inc.		ASE Telecom & Data Inc. Current Bid +L162 Term12/14/21 - 3/31/25	
Item #	Item	Qty	Unit of Measure	Price	Total	Price	% difference from PAV	Price	% difference from PAV	Price	% difference from PAV
Group 1 - Inside Cabling											
#1-1	25 pair PE-89 OSP Cable, Category 3, 24 ga., aluminum shielding, Mohawk Wire 604P24-BK-R 1,000 Ft Reel	1500	LF	1.35	2,025.00	2.00	48%			1.34	-1%
#1-2	Ethernet Cable and Installation of one (1) group of two (2) Category 6 UTP Plenum Cable drops	15	Each	432.00	6,480.00	460.00	6%			300.00	-31%
#1-3	Ethernet Cable and Installation of five (5) Category 6 UTP Plenum Cable drops	750	Each	230.00	172,500.00	250.00	9%			285.00	24%
#1-4	Ethernet Cable and Installation of five (5) Category 6 UTP Plenum Cable drops	225	Each	405.00	91,125.00	600.00	48%			640.00	58%
#1-5	Ethernet Cable and Installation of one (1) group of ten (10) Category 6 UTP Plenum Cable drops	60	Each	630.00	37,800.00	955.00	52%			955.00	52%
#1-6	Ethernet Cable and Installation of Single Category 5E UTP Plenum Cable drop	1500	Each	50.00	75,000.00	50.00	0%			142.50	185%
#1-7	Ethernet Cable and Installation of Single Category 5E UTP Non-Plenum Cable drop (In-Conduit)	225	Each	40.00	9,000.00	45.00	13%			102.50	156%
#1-8	Ethernet Cable and Installation of one (1) group of two (2) Category 5E UTP Plenum Cable drops, Free Air	750	Each	45.00	33,750.00	80.00	78%			220.00	389%
#1-9	Ethernet Cable and Installation of one (1) group of three(3) Category 5E UTP Plenum Cable drops, Free Air	150	Each	50.00	7,500.00	80.00	60%			300.00	500%
#1-10	Ethernet Cable and Installation of one (1) group of five (5) Category 5E UTP Plenum Cable drops, Free Air	150	Each	60.00	9,000.00	100.00	67%			450.00	650%
#1-11	Ethernet Cable and Installation of one (1) group of ten (10) Category 5E UTP Plenum Cable drops, Free Air	60	Each	70.00	4,200.00	100.00	43%			950.00	1257%
#1-12	Ethernet Cable and Installation of Single Category 6A UTP Plenum Cable drop	60	Each	265.00	15,900.00	400.00	51%			320.00	21%

				Quality Wiring, Inc. *PAV		4 Best Business Corp *PAV		ASE Telecom Data Inc.		ASE Telecom & Data Inc. Current Bid +L162 Term12/14/21 - 3/31/25	
Item #	Item	Qty	Unit of Measure	Price	Total	Price	% difference from PAV	Price	% difference from PAV	Price	% difference from PAV
#1-13	Ethernet Cable and Installation of one (1) group of two (2) Category 6A UTP Plenum Cable drops, Free Air	60	Each	335.00	20,100.00	600.00	79%			575.00	
#1-14	Ethernet Cable and Installation of Single Category 7 UTP Plenum Cable drop	60	Each	475.00	28,500.00	540.00	14%			500.00	5%
#1-15	Ethernet Cable and Installation of one (1) group of two (2) Category 7A UTP Plenum Cable drops, Free Air	60	Each	682.00	40,920.00	1,026.00	50%			950.00	39%
#1-16	Wall Mounted Metal Equipment Rack Belkin RK1003 12U, or approved equal	45	Each	450.00	20,250.00	742.00	65%			675.00	50%
#1-17	Wall Mounted Metal Equipment Rack, Belkin RK1002 24U, or approved equal.	45	Each	889.00	40,005.00	1,045.00	18%			950.00	7%
#1-18	Floor Mounted Metal 2 Post rack, 42U, Chatsworth Part#167074 or approved equal.	45	Each	229.09	10,309.05	190.00	-17%			175.00	-24%
#1-19	Floor Mounted Metal Rack, Belkin RK1000 42U, or approved equal.	3	Each	1,450.00	4,350.00	2,100.00	45%				-100%
#1-20	Floor Mounted Metal 4 Post rack, 42U, Chatsworth Part# 251149 or approved equal.	3	Each	561.45	1,684.35	675.00	20%			675.00	20%
#1-21	Horizontal Wire Manager, Belkin single sided cable RK5016	90	Each	30.00	2,700.00	40.00	33%				-100%
#1-22	Siemon cat-5e jack 8P8C in Orange MX5-F09, or approved equal.	1500	Each	0.99	1,485.00	6.00	506%			4.50	355%
#1-23	Siemon MX-SMZ-02, Max Surface mount box or approved equal, 2 Port White.	150	Each	5.48	822.00	5.00	-9%			3.65	-33%
#1-24	Siemon MX-FP-S-04-02, Max Faceplate or approved equal, 2 Port White	150	Each	3.00	450.00	3.30	10%			2.25	-25%
#1-25	Siemon MX-FP-S-02-04, Max Faceplate or approved equal, 2 Port White	150	Each	3.00	450.00	3.30	10%			2.25	-25%
#1-26	Siemon MX-FP-S-04-04, Max Faceplate or approved equal, 2 Port White	150	Each	3.00	450.00	3.30	10%			2.25	-25%
#1-27	Siemon MX-FP-S-02-02, Max Faceplate or approved equal, 2 Port White	900	Each	3.00	2,700.00	3.30	10%			2.25	-25%
#1-28	Siemon MAX Modular Furniture Adapter for Standard Openings, MX-MFP-02 or approved equal	900	Each	3.52	3,168.00	4.52	28%			3.20	-9%
#1-29	Siemon MX-BL-01 Max Module or approved equal, Blank Insert-Black, 10/Bag	300	Each	3.87	1,161.00	5.38	39%			3.25	-16%
#1-30	Siemon Z MAX Cat-6 jack Z606 Blue, or approved equal	1500	Each	7.25	10,875.00	8.26	14%			5.00	-31%
#1-31	Siemon Z6A-S01 Cat-6A jack in Black, or approved equal	300	Each	10.26	3,078.00	11.70	14%			8.25	-20%
#1-32	Vertical Wire Manager Belkin 7' RK5015 or approved equal	60	Each	214.91	12,894.60	252.00	17%			210.00	-2%

Quality Wiring, Inc. *PAV						4 Best Business Corp *PAV			ASE Telecom Data Inc.			ASE Telecom & Data Inc. Current Bid +L162 Term12/14/21 - 3/31/25		
Item #	Item	Qty	Unit of Measure	Price	Total	Price	% difference from PAV	Price	% difference from PAV	Price	% difference from PAV			
#1-33	Rack to Runway Mounting Plate Chatsworth 12730-X04, or approved equal	30	Each	41.17	1,235.10	46.00	12%			45.00	9%			
#1-34	Coming Closet Connector Housing CCH-01U, 19 inch or approved equal.	120	Each	200.00	24,000.00	274.00	37%			N/A				
#1-35	Coming Closet Connector Housing CCH-02U, 19inch or approved equal	60	Each	287.00	17,220.00	339.00	18%			N/A				
#1-36	Coming Closet Connector Housing CCH-04U- 19 inch or approved equal.	30	Each	363.00	10,890.00	432.00	19%			N/A				
#1-37	Coming closet Connector Housing Panels, CCH-CP-12-59 (SC) or approved equal.	180	Each	87.00	15,660.00	99.42	14%			N/A				
#1-38	Coming closet Connector Housing Panels, CCH-CP-24-59 (SC), or approved equal.	30	Each	180.00	5,400.00	215.00	19%			N/A				
#1-39	Coming closet Connector Housing Panels, CCH-CP-12-A9 (LC), or approved equal.	30	Each	95.70	2,871.00	115.00	20%			N/A				
#1-40	1" EMT (Electrical Metallic Tubing) Conduit	1200	LF	1.34	1,608.00	1.48	10%			0.25	-81%			
#1-41	2" Plenum Rated non-metallic flexible raceway	600	LF	5.67	3,402.00	7.07	25%			3.50	-38%			
#1-42	Grounding Bar Kit, Storm Copper Company SCGB-1KT or approved equal	45	Each	125.38	5,642.10	150.00	20%			90.00	-28%			
#1-43	Backboard, 4'x8'x3/4", Fire Rated	15	Each	68.73	1,030.95	120.00	75%			95.00	38%			
#1-44	24 Port UTP empty patch panel	30	Each	37.92	1,137.60	45.00	19%			45.00	19%			
#1-45	48 Port UTP empty patch panel	30	Each	44.51	1,335.30	50.00	12%			50.00	12%			
#1-46	Category 6A Patch Panel (24 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 1U, 19 in	30	Each	70.00	2,100.00	290.00	314%			290.00	314%			
#1-47	Category 6A Patch Panel (48 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 1U, 19 in	30	Each	115.00	3,450.00	545.00	374%			454.00	295%			
#1-48	Category 6 Patch Panel (24 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 1U, 19 in.	45	Each	70.00	3,150.00	245.00	250%			170.00	143%			
#1-49	Category 6 Patch Panel (48 Port Modular), Gigabase Cat 6 Patch TIA/EIA 568B, 2U, 19 in	45	Each	85.00	3,825.00	450.00	429%			315.00	271%			
#1-50	Category 5e Patch Panel (24 Port Modular), Gigabase CAT 5 Patch TIA/EIA 568B, 1U, 19 in	45	Each	29.00	1,305.00	165.00	469%			105.00	262%			
#1-51	Category 5e Patch Panel (48 Port Modular), Gigabase CAT 5 Patch TIA/EIA 568B, 2U, 19 in	45	Each	42.00	1,890.00	330.00	686%			200.00	376%			
#1-52	100 Pair 110 Mounting Block 5e Rated	30	Each	23.73	711.90	35.50	50%			35.50	50%			
#1-53	Sixty-six (66) Block with Stand Off Bracket, 5e Rated	75	Each	13.16	987.00	14.00	6%			10.00	-24%			
#1-54	Twelve (12) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	3000	LF	2.09	6,270.00	2.50	20%			2.35	12%			
#1-55	Thirty-six (36) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	3000	LF	7.10	21,300.00	10.17	43%			9.25	30%			
#1-56	Forty-eight (48) Strand Armored Plenum Rated Fiber Multi-Mode OM3 50/125UM	3000	LF	8.50	25,500.00	12.10	42%			11.00	29%			
#1-57	Twelve (12) Strand Armored Plenum Rated Fiber Single Mode	3000	LF	1.43	4,290.00	1.60	12%			1.60	12%			

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Item #	Item	Qty	Unit of Measure	Price	Total	Price	% difference from PAV	Price	% difference from PAV	ASE Telecom & Data Inc. Current Bid +1162 Term12/14/21 - 3/31/25	
#1-58	Twenty-four (24) Strand Armored Plenum Rated Fiber Single Mode	3000	LF	2.26	6,780.00	2.75	22%			2.75	22%
#1-59	Thirty-six (36) Strand Armored Plenum Rated Fiber Single Mode	3000	LF	5.30	15,900.00	6.75	27%			6.10	15%
#1-60	Forty-eight (48) Strand Armored Plenum Rated Fiber Single Mode	3000	LF	5.78	17,340.00	6.90	19%			6.75	17%
#1-61	Aluma Flex- Flexible conduit metallic 3/4 inch	1500	LF	0.92	1,380.00	1.00	9%			0.75	-18%
#1-62	Corrugated Plenum Interduct, 1.5" diam	3000	LF	3.50	10,500.00	5.95	70%			2.55	-27%
#1-63	2" Sleeve (Sheet Rock), Rigid Galvanized Conduit, Escutcheon Plate	150	Each	42.03	6,304.50	50.00	19%			45.00	7%
#1-64	4" Sleeve (Sheet Rock), Rigid Galvanized Conduit, Escutcheon Plate	30	Each	105.00	3,150.00	90.00	-14%			75.00	-29%
#1-65	2" Sleeve (Cement/Block), Rigid Galvanized Conduit, Escutcheon Plate	150	Each	42.00	6,300.00	150.00	257%			135.00	221%
#1-66	Daily Lift rental: 25-26' Electric Scissor	15	Each	415.00	6,225.00	415.00	0%			415.00	0%
#1-67	Weekly Lift rental: 25-26' Electric Scissor	15	Each	750.00	11,250.00	650.00	-13%			650.00	-13%
#1-68	Daily Lift rental: 26 Foot Boom	15	Each	550.00	8,250.00	550.00	0%			550.00	0%
#1-69	Weekly Lift rental: 26 Foot Boom	15	Each	950.00	14,250.00	950.00	0%			950.00	0%
#1-70	4" Sleeve (Cement/Block), Rigid Galvanized Conduit, Escutcheon Plate	15	Each	105.00	1,575.00	200.00	90%			200.00	90%
#1-71	Voice and Data Wire Technician Labor, Regular Hours	7500	Hours	50.00	375,000.00	80.00	60%			38.00	-24%
#1-72	Voice and Data Wire Technician Labor, After Hours	1500	Hours	50.00	75,000.00	80.00	60%			57.00	14%
#1-73	Ethernet Cable and Installation of Single Category 6 UTP Plenum Cable drop	750	Each	158.00	118,500.00	150.00	-5%			165.00	4%
Group 2 - Outside Cabling											
#2-1	Traffic Control Officer	360	Hours			65.00		105.00	62%	65.00	0%
#2-2	Work Zone Signs, F&I	90	Each			12.00		205.00	1608%	1.00	-92%
#2-3	Barrier Wall, Temporary, F&I, Concrete	3000	LF			6.50		6.50	0%	6.50	0%
#2-4	Barrier Wall, Temporary, F&I, Low Profile, Concrete	3000	LF			7.00		6.50	-7%	6.50	-7%
#2-5	Portable Changeable Message Sign, F&I, Temporary	30	LF			75.00		400.00	433%	75.00	0%
#2-6	Portable Regulatory Sign (FDOT Spec. No. 102-150-1)	30	LF			75.00		400.00	433%	75.00	0%
#2-7	Installation of Single fiber cable in Existing Empty Conduit of one(1) 12-144 strand armored fiber cable	300000	LF			0.95		1.35	42%	0.95	0%
#2-8	Installation of Fiber cable in Existing Empty Conduit of two (2) 12-144 strand armored fiber cables	60000	LF			1.45		1.80	24%	1.45	0%
#2-9	Installation of Fiber cable in Existing Empty Conduit of three (3) 12-144 strand armored fiber cables	15000	LF			1.50		1.95	30%	1.50	0%
#2-10	Installation of single (1) Fiber cable in newly installed conduit. One (1) 12-144 strand armored fiber cable	450000	LF			0.50		1.25	150%	0.95	90%
#2-11	Installation of two (2) Fiber cable in Newly installed conduit. 12-144 strand armored fiber cable	60000	LF			1.50		1.75	17%	1.50	0%
#2-12	Fiber Cable Removal from existing conduit	30000	LF			1.25		1.75	40%	1.25	0%
#2-13	Twelve (12) Strand Armored Fiber Cable, Sumitomo PureBand, single mode. SE-VE 6 fiber/ buffer tube	9000	LF			0.52		0.75	44%	0.39	-25%
#2-14	Twenty-four (24) Strand Armored Fiber Cable, Sumitomo PureBand, single mode. SE-VE 6 fiber/ buffer tube	9000	LF			0.60		0.70	17%	0.45	-25%

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Item #	Item	Qty	Unit of Measure	Price	Total	Price	% difference from PAV	Price	% difference from PAV	Price	% difference from PAV
#2-15	Thirty-six (36) Strand Armored Fiber Cable, Sunitomo PureBand, single mode	300000	LF			0.60		0.80	33%	0.55	-8%
#2-16	Forty-eight (48) Strand Armored Fiber Cable, Sunitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	75000	LF			0.75		0.85	13%	0.75	0%
#2-17	Ninety-six (96) Strand Armored Fiber Cable, Sunitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	9000	LF			1.27		1.50	18%	1.05	-17%
#2-18	One hundred forty-four (144) Strand Armored Fiber Cable, Sunitomo PureBand, single mode, SE-VE 6 fiber/ buffer tube	9000	LF			2.22		1.65	-26%	1.55	-30%
#2-19	Coming Closet Connector Housing CCH-01U, 19 inch or approved equal	30	Each			282.00		335.00	19%	225.00	-20%
#2-20	Coming Closet Connector Housing CCH-02U, 19inch or approved equal	30	Each			347.00		395.00	14%	265.00	-24%
#2-21	Coming Closet Connector Housing CCH-04U - 19 inch or approved equal	30	Each			443.00		500.00	13%	340.00	-23%
#2-22	Coming closet Connector Housing Panels, CCH-CP-12-59 (SC) or approved equal	30	Each			82.00		105.00	28%	85.00	4%
#2-23	Fiber Termination: Corning closet Connector Housing Panels, CCH-CP-24-59 (LC), or approved equal	30	Each			220.63		250.00	13%	100.00	-55%
#2-24	Coming closet Connector Housing Panels, CCH-CP-12-A9 (LC), or approved equal	30	Each			118.20		135.00	14%	85.00	
#2-25	SC Fiber Connector, Single Mode, Corning UNI-Cam #95-200-41 or approved equal	900	Each			18.00		20.00	11%	18.00	0%
#2-26	SC Fiber Connector, Multi-Mode, high performance, 50µm, Corning UNI-Cam #95-050-41-X or approved equal	450	Each			16.50		17.50	6%	16.50	0%
#2-27	SC Fiber Connector, Multi-Mode, 62.5µm, Corning UNI-Cam #95-000-40 or approved equal	450	Hour			12.63		15.85	25%	12.00	-5%
#2-28	Fiber Closure Kit, standard, Coyote Runt or approved equal	60	Each			195.00		245.00	26%	240.00	23%
#2-29	Fiber Splice Tray, Coyote Runt or approved equal - up to 12 splices	180	Each			33.38		41.50	24%	31.00	-7%
#2-30	Fiber Closure, Coyote PUP or approved equal	60	Each			250.00		385.00	54%	240.00	-4%
#2-31	Spider Fan Out Kit, 6 Fiber, 25 inches, Corning or approved equal	150	Each			18.00		24.50	36%	20.00	11%
#2-32	Spider Fan Out Kit, 12 Fiber, 25 inches, Corning or approved equal	150	Each			21.00		20.50	-2%	22.00	5%
#2-33	Sunitomo Future Flex-Water-Blocked Dielectric Tube Cable, Four (4) Tubes, Part number TC04TOD	3000	LF			2.90		3.65	26%	2.15	-26%
#2-34	Sunitomo Future Flex-Water-Blocked Dielectric Tube Cable, Seven (7) Tubes, Part number TC07TOX	30000	LF			3.35		4.65	39%	2.75	-18%
#2-35	Sunitomo Future Flex-Water-Blocked Dielectric Tube Cable, Nineteen (19) Tubes, Part number TC19TOX	3000	LF			6.66		9.25	39%	5.50	-17%
#2-36	Sunitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket, Indoor rated, Two (2) Tubes, Part number TC02TP2	3000	LF			4.07		5.25	29%	3.00	-26%
#2-37	Sunitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket, Indoor rated, Four (4) Tubes, Part number TC04TP2	3000	LF			6.00		7.60	27%	4.75	-21%
#2-38	Sunitomo Future Flex-Plenum OFNP Rated Tube Cable/Single Jacket, Indoor rated, Seven (7) Tubes, Part number TC07TP2	3000	LF			10.00		13.20	32%	7.00	-30%
#2-39	Sunitomo Future Flex-Outdoor/Indoor Rated Tube Cable, Four (4) Tubes, Part number TC04MTX	3000	LF			9.50		13.10	38%	7.50	-21%
#2-40	Sunitomo Future Flex-Outdoor/Indoor Rated Tube Cable, Seven (7) Tubes, Part number TC07MTX	3000	LF			10.00		14.25	43%	8.50	-15%

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#2-41	Sunimoto Fiber Bundles-Single Mode Fiber. Twelve (12) fibers. Part number FB12SX	6000	LF			0.87		1.15	32%			1.05	21%
#2-42	Sunimoto Fiber Bundles-Single Mode Fiber. Twenty-four (24) fibers. Part number FB24SX	6000	LF			2.50		3.25	30%			2.00	-20%
#2-43	Sunimoto Fiber Bundles-Multi Mode Fiber 50 um. Twelve (12) fibers. Part number FB12M5	1500	LF			3.21		4.15	29%			2.55	-21%
#2-44	Sunimoto Fiber Bundles- Laser Optimized Multi Mode 50 um Fiber. Twelve (12) fibers. Part number FB12G55	6000	LF			5.50		7.60	38%			4.85	-12%
#2-45	Sunimoto Fiber Bundles- Laser Optimized Multi Mode 50 um Fiber. Twenty-four (24) fibers. Part number FB24G55	6000	LF			10.00		14.00	40%			8.50	-15%
#2-46	Outside Plant Airblown Fiber. Installation of air blown fiber bundles	30000	LF			2.30		3.50	52%			2.40	4%
#2-47	Conduit Installation: Directional Bore for One (1) 2" HDPE Pipe SDR 11.	90000	LF			14.75		19.50	32%			11.95	-19%
#2-48	Conduit Installation of Directional Bore for Two (2) 2" HDPE Pipe SDR11	10500	LF			17.00		28.00	65%			13.95	-18%
#2-49	Conduit Installation of Directional Bore for Three (3) 2" HDPE Pipe SDR 11	7500	LF			18.40		34.00	85%			16.00	-13%
#2-50	Conduit Installation of Directional Bore for One (1) 2" HDPE Pipe SDR 11	15000	LF			15.78		22.50	43%			12.85	-19%
#2-51	Conduit Installation of Directional Bore for Two (2) 2" HDPE Pipe SDR 11	10500	LF			17.25		31.00	80%			15.00	-13%
#2-52	Conduit Installation of Directional Bore for Three (3) 2" HDPE Pipe SDR 11	3000	LF			19.55		36.00	84%			17.00	-13%
#2-53	Conduit Installation of Directional Bore for One (1) 4" HDPE Pipe SDR 11	6000	LF			19.00		34.50	82%			20.00	5%
#2-54	Conduit Installation of Directional Bore for Two (2) 4" HDPE Pipe SDR 11	6000	LF			25.00		48.50	94%			25.00	0%
#2-55	Conduit Installation of Directional Bore for One (1) 4" HDPE Pipe SDR 11	6000	LF			25.88		37.25	44%			22.50	-13%
#2-56	Conduit Installation of Directional Bore for Two (2) 4" HDPE Pipe SDR 11	6000	LF			32.00		51.25	60%			27.00	-16%
#2-57	Conduit Installation of Missile Bore. Pneumatic Missile Bore per foot. Installation of County-owned material	1500	LF			14.95		20.75	39%			13.00	-13%
#2-58	Asphalt Cut, Removal & Restoration, material and installation. DOT Approved Asphalt mix. Two (2) inches	1500	SQF			10.93		16.50	51%			9.50	-13%
#2-59	Asphalt Cut, Removal & Restoration, material and installation. DOT Approved Asphalt mix. Four (4) inches	1500	SQF			15.26		22.50	47%			13.50	-12%
#2-60	Underground Access Structure (Manhole). Precast (concrete) 6'x6'x 6'4"	15	Each			6,000.00		21,350.00	256%			7,500.00	25%
#2-61	Quazite Tier 15 pull box, 24" x 36" x 30" , include cover and installation. (Peed rock, 12" wide and 6" deep concrete aprons)	15	Each			1,569.00		2,210.00	41%			1,350.00	-14%
#2-62	Quazite Tier 15 pull box, 48" x 48" x 36" , include cover and installation (Peed rock, 12" wide and 6" deep concrete aprons)	15	Each			2,600.00		5,525.00	113%			2,400.00	-8%
#2-63	Quazite Tier 15 pull box, 36" x 60" x 36" , include cover and installation. (Peed rock, 12" wide and 6" deep concrete aprons)	60	Each			2,500.00		5,250.00	110%			2,000.00	-20%

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#2-64	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 24" x 36" X 30", include cover and installation. (Peed rock, 12" wide and 6" deep	15	Each			1,500.00		2,210.00	47%	1,092.50	-27%
#2-65	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 36" x 60" X 36", include cover and installation. Peed rock, 12" wide and 6" deep	15	Each			3,000.00		5,250.00	75%	1,550.00	-48%
#2-66	Quazite Tier 15 or Precast Polymer Concrete Pull Box, 48" x 48" X 36", include cover and installation. Peed rock, 12" wide and 6" deep	15	Each			3,200.00		5,525.00	73%	2,010.00	-37%
#2-67	2" Galvanized Ridgid Conduit, 10 LFT /stick	30	Each			125.00		125.00	0%	125.00	0%
#2-68	Mobilization, Four (4) Hour minimum, Regular Hours	9	Hour			850.00		1,050.00	24%	850.00	0%
#2-69	Mobilization, Four (4) Hour minimum, After Hours	9	Hour			1,350.00		1,675.00	24%	1,350.00	0%
#2-70	Sod Replacement	3000	SQF			2.30		3.50	52%	2.30	0%
#2-71	Trenching 36"-40" depth	3000	LF			8.00		34.50	331%	8.00	0%
#2-72	Fiber Termination, Optical Fiber Splices	1500	Each			32.50		34.50	6%	32.50	0%
#2-73	Fiber Termination, UNI-CAM	1500	Each			20.00		28.00	40%	20.00	0%
#2-74	Fiber Termination, Splice Case, 3M Model 2178-LS or approved equal	30	Each			427.00		475.00	11%	225.00	-47%
#2-75	Concrete Sidewalk Removal and Replacement	150	Each			975.00		1,250.00	28%	975.00	0%
#2-76	GPR- Ground pentarition Radar Utility locating	15000	LF			2.00		2.25	13%	1.15	-43%
#2-77	Backhoe with Operator, 4 Hour Minimum, Regular Hours	300	Hours			90.00		280.00	211%	86.00	-4%
#2-78	Backhoe with Operator, 4 Hour Minimum, After Hours	300	Hours			140.00		425.00	204%	140.00	0%
#2-79	Fiber Splice Technician Labor, Regular Hours	600	Hours			80.00		65.00	-19%	40.00	-50%
#2-80	Fiber Splice Technician Labor, After Hours	300	Hours			120.00		97.50	-19%	60.00	-50%
#2-81	Professional Services, Engineering permit	30000	LF			1.50		5.00	233%	1.75	17%
#2-82	Additional Labor (Unskilled), Regular Hours	600	Hours			40.00		40.00	0%	30.00	-25%
#2-83	Additional Labor (Unskilled), After Hours	600	Hours			50.00		60.00	20%	45.00	-10%

Comments:

For the purpose of this price analysis and comparison, the items' unit prices of the applicable Potential Awarded Vendors were compared to the unit prices of Current Contract BLD2122736B1_1.
N/A - Price is not available as the product was not included in the current contract.