



Date 4/17/2019

Project Cost Estimate

Company: Town of Paradise Valley

Project: Town Hall Fiber Backbone

Quote # 26-19003C

Re: Communications Cabling

Thank you for the opportunity to provide you with a cost estimate to install communications cabling. This proposal is based on facility prints. Assumptions have been made to reflect quantities and install standards based on the previous project installation guidelines and directions.

- **Overview: Communications Cabling**

1. ***Underground Pathway:***

- 1.1. **Town Hall Entrance Facility to Campus Distribution Facility:**

- 1.1.1. Bore and install (1) 4" conduit from the NW corner of the Town Hall building to existing Campus Distribution/Data Center building.

- 1.1.2. Provide and install (3) 48" x 48" Telecommunications Vaults.

- 1.2. **Notes:**

- 1.2.1. We have included Private Utility Locations services trenching/boring.

- 1.2.2. Sawcut/Remove/Replace asphalt as needed is included in this proposal.

2. ***Backbone Communications Cabling:***

- 2.1. Provide and install (1) 48-Strand, Singlemode OS2, OSP rated cable from Town Hall Entrance Facility to Campus Distribution Facility.

- 2.2. Provide and install (1) 48-Strand, Multimode 50/125 μ OM4, OSP rated cable from Town Hall Entrance Facility to Campus Distribution Facility

- 2.3. Provide and install (2) 4-RMU, fiber optic enclosure with LC, Singlemode and Multimode coupler panels in the New Entrance Facility Town Hall building.


- 2.4. Provide and install (2) 4-RMU, fiber optic enclosure with LC, Singlemode and Multimode coupler panels in the Campus Distribution Facility.

- 2.5. All cables will be installed, labeled and tested in compliance with industry standards.

General Conditions:

- 1) Aspen Technologies will label all cables with permanent wrap-around type computer generated labels in the communications rooms and at the work station location. Specific Customer numbering schemes will be discussed prior to the commencement of project.
- 2) Aspen Technologies will install the necessary cable support for each cable pathway following the industry standard practices of BICSI and the NEC Code.
- 3) Aspen Technologies will provide and install ¼” rod hangers and ¾” wide J-hooks to support the communication cables throughout the accessible ceiling space. J-hook size will be dependent on the quantity of cables in a cable run.
- 4) The pathway/conduit will be installed by an Aspen Subcontractor and will be installed in accordance with NEC guidelines, and will be free of defects and/or other obstructions.

Pricing for Solution:

<p>Client: <u>Town of Paradise Valley</u> Project: <u>Town Hall Fiber Backbone</u> Date: <u>04/17/2019</u></p>			
<p>Proposal # 26-19003C</p>			
<p>Base Project Pricing</p>			
<u>Description</u>	<u>Labor</u>	<u>Material</u>	<u>Totals</u>
Conduit Pathways option B		\$41,420.00	\$41,420.00
Fiber Backbone Cabling	\$7,985.00	\$29,745.33	\$37,730.33
Base Package Pricing	\$7,985.00	\$71,165.33	\$79,150.33
Estimated Taxes			\$2,628.15
Total Base Package Price			\$81,778.48

Please reference the proposal number on all purchase orders and correspondence.

PAYMENT TERMS:

- **Immediate upon receipt of invoice.**

Sales Tax: Aspen Technologies will include the Final Sales Tax at the time of Invoicing.

Proposal Period: This proposal is valid for 30 days. Subject to increases in the copper markets.

Project Scope: The project scope contained herein is Aspen Technologies understanding and interpretation of the subject project. All pricing is based on the project scope. Any change to the project scope will result in a change in the pricing

Additional Work: Any alterations or deviations from the above specification involving extra cost will be executed only upon written orders and will become an extra charge over and above the proposed price.

Job Site Requirements: Customer will give Aspen Technologies installation and operations personnel full access to work areas without undue delay. Any delay will result in extra billing at Aspen Technologies labor rate. Aspen Technologies will remove all job related debris from the job site. All fixtures and furniture moved by Aspen Technologies personnel will be returned to its original position prior to job completion.

Project Schedule: Aspen Technologies will make all reasonable efforts to observe the dates indicated herein for installation or other performance, however Aspen Technologies shall not be liable for delay in performance due to unforeseen circumstances or causes beyond its control, including without limitation weather conditions, strike, lockout, riot, war fire, act of God, accident, delays caused by any supplier or by the Customer, inability to obtain or substantial rise in the cost of labor or materials or compliance with any law, regulation or order. Performance shall be deemed suspended during and extended for such time as any such circumstances or causes delay its execution.

Warranties; Damage; Liability: All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard installation practices. All material and labor supplied by Aspen Technologies will be guaranteed for 1 year.

Aspen Technologies obligations and Customer's remedies under this warranty are limited to the repair or replacement at Aspen Technologies option, of any materials or labor furnished hereunder which shall be found defective during such a 1-year period. Aspen Technologies may reject any warranty claim not promptly reported and on any item that has been altered, abused or misused, except by Aspen Technologies. Damage caused by Customer's Telephone Company, pests or normal wear and tear is excluded from this warranty. Any repairs requested by Customer which are excluded from terms of this warranty may be performed by Aspen Technologies on a time and materials basis at Aspen Technologies then prevailing rates.

There are no warranties, which extend beyond the description of the face hereof. In no event shall Aspen Technologies be liable to customer for incidental, consequential, special or punitive damages. In no event shall Aspen Technologies be liable for damages hereunder, if any, exceed the amounts paid by customer to Aspen Technologies for the products and services under this contract.

Confidentiality: All information including but not limited to descriptions of work to be performed and parts lists, contained in this proposal or otherwise provided to the customer in connection with the negotiation of performance of this contract is of a proprietary nature, customer shall receive such information in confidence and shall not without Aspen Technologies prior written consent disclose such information to third parties or use such information for any purpose other than to evaluate the proposal contained herein.

All items set forth in this proposal are acceptable and agreed upon.



Town of Paradise Valley

By: *Fabian Jauregui*

By: _____

Title: Account Manager

Title: _____

Date: April 17, 2019

Date: _____

PO #: _____

Prepared by: Fabian Jauregui
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ACCEPTANCE / AUTHORIZATION TO COMMENCE WORK

_____ represents that the individual signing this proposal agrees to the scope of work and the payment terms as detailed above and has the authority to bind this agreement.

Accepted By:

Company Name: _____

Signature: _____ Printed Name: _____

Property Owner:

Name: _____ Phone Number: _____

Mailing Address: _____

Billing Information:

A/P Address: _____

A/P Name: _____ A/P Phone # _____

A/P Email Address: _____

(Please select one) Is e-mail the preferred method for invoices? Yes _____ No _____

Is a P.O. # required? Yes _____ No _____ Tax exempt*? Yes _____ No _____

**If Tax exempt, provide a "Transaction Privilege Tax Exemption Certificate" from applicable state. If in AZ this is the AZ Dept. of Revenue Form 5000*