

Customer Service Facility

Project Number: 62345
Total Capital Cost: \$704,000.00

Department: Water
Type: Capital Improvement

Request description:

The Master Plan provided the current Customer Service facility with an overall rating of poor and the Library facility received an overall rating of fair. The plan would be to convert the existing library at 14011 N. 1st Avenue to a new Customer Service Facility.

Capital Costs	FY2023	Total
Planning		\$0.00
Design	\$53,000.00	\$53,000.00
Engineering		\$0.00
Repairs/Improvements		\$0.00
Construction/Maintenance	\$651,000.00	\$651,000.00
Furniture and Fixtures		\$0.00
Other		\$0.00
Total	\$704,000.00	\$704,000.00

Funding Source	FY2023	Total
111 - General		\$0.00
114 - Court		\$0.00
121 - Court Enhancement		\$0.00
128 - Towing		\$0.00
131 - HURF		\$0.00
141 - LTAF		\$0.00
148 - CDBG		\$0.00
156 - Capital Streets		\$0.00
511 - Water	\$704,000.00	\$704,000.00
516 - Ranchettes		\$0.00
541 - Sewer		\$0.00
591 - Sanitation		\$0.00
Total	\$704,000.00	\$704,000.00

Additional Information

Type of Project	Refurbishment
Strategic Priority	Effective Government
Grant Funding	No
Bond Eligible	No
Project Status	New

New Customer Service Building Fiber Optic Installation FY23			
Contractor	Project Cost	Contigency	Grand Total
CTS	\$30,620.92	\$3,379.08	\$34,000.00

CTS



PHOENIX

TUCSON

Project Name

City of El Mirage Customer Service Fiber Install

Presented To



Attention:

Cason Chambers

Scope of Work and Proposal

Respectfully Submitted By:

Robert Corrales

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(602) 668-1096

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Corporate Technology Solutions, LLC

1971 E 5th St, Ste 111

Tempe, AZ 85281

O: (480) 377-0225

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Structured Cabling • Fiber Optic • Access Control • Intrusion Detection • Video Surveillance • Audio/Video • Intercom/Paging

CTS Corporate Office: 1971 E 5th St., Ste 111, Tempe, AZ 85281

SCOPE OF WORK

Pathway Installation

CTS will Sub-Contract all underground pathway installation.

Sub-Contractor	WF Contracting
Size(s)	Underground 2" HDPE Conduit

- Customer Service - Bore and place (1) 2" HDPE Conduit from the existing handhole located on the Southwest corner El Mirage Rd and Ventura St to the Northwest corner of the Customer Service building. Place outdoor rated Nema box on the Northwest corner.
- Exclusions - survey, haul off, slurry seal or micro seal of roadway, non-native backfill, any equipment transformer or housekeeping pads, EMT conduit, cylinder tests, compaction tests, sonotubes, rebar, engineering, permitting, staking, grading, landscaping restoration, night or weekend work, above ground electrical work, any ISP work, Private Locates, asphalt removal or restoration, hard surface removal or restoration, right of way work, traffic control, milling, concrete removal or restoration, slurry backfill.

Fiber Optic Backbone Cabling Installation

Manufacture	Corning
Connectivity	Corning
Connectors	LC Pigtail Cassettes CCH-CS12-A9-P00RE

- Single Mode (SM) optical fiber will be terminated utilizing (LC) style fiber optic connectors.
- CTS will provide and install (1) 12 Strand Single-mode fiber from the handhole located east of the Courthouse on El Mirage Rd to the Customer Service building utilizing the existing pathway to the handhole located at El Mirage Rd and Ventura St and then into the newly installed pathway.
- CTS will splice one end on a 96 Strand Single-mode Fiber in an existing splice case(SPLICE DETAIL TBD). The other end will splice into a new cassette and 1U LIU in the existing rack.

Exclusions

- Telecommunication room build out
- Telecom ground bus bar
- Grounding and bonding
- Fire treated plywood
- Restoration beyond restoration of the affected areas
- Any additional restoration of the area or surrounding area (i.e. slurry seal or micro seal asphalt treatment or restorations).

Testing - Copper

- CTS will utilize the Fluke DSX-8000 field tester for this project. The DSX is the latest in field testers for testing and certifying twisted pair cabling for up to 10 Gigabit Ethernet deployments and will handle any cabling system whether it is a Cat 5e, 6, 6A or Class FA.
 - Every cabling link in the installation will be tested in accordance with the Telecommunications Industry Association ANSI/TIA-1152 specifications for Level III.
 - The installed twisted-pair horizontal links will be tested from the IDF/MDF in the telecommunications room to the telecommunication wall outlet in the work area against the “Permanent Link” performance limits specification.
 - 100% of the installed cabling links will be tested and pass the requirements of the standards. Any failing link will be diagnosed and corrected. The corrective action will be followed with a new test to prove that the corrected link meets the performance requirements. The final and passing result of the tests for all links will be provided in the test results documentation package.

Testing – Fiber

- CTS will utilize either the DSX-8000 field tester with fiber modules or the Fluke OptiFiber field tester for this project.
- The OptiFiber is a full blown OTDR for testing and certifying fiber optic horizontal and backbone cabling links
 - Fiber cable will be tested in accordance with the Telecommunications Industry Association (TIA) standard ANSI/TIA/EIA-568-C
 - Testing of each fiber strand will be done at both the 850nm and 1300nm wavelength and tested in both directions.

Labeling

- Each work area outlet faceplate will be labeled with its own unique identifier and be computer generated for legibility and contain a clear plastic cover.
- Each port on the patch panel will be labeled with its own unique identifier to match the one at the work area and be computer generated for legibility.

PROVISIONS

All OSP (outside plant cabling) are estimates only. CTS will verify the actual lengths prior to installation with true tape and provide a credit or cost impact document before the installation.

Any additional work not specified in this scope of work or any additional work request from customer will result in a CTS change order.

This proposal pricing is good for a period of 30 days unless otherwise noted.

Where material prices fluctuate, CTS reserves the right to adjust pricing if there are changes in material pricing. Written documentation from our suppliers to verify this condition can be provided.

Customer is responsible for any freight charges if the customer requests an expedited time frame.

CTS will require a project schedule showing all times the facility will be available. Including but not limited to, facility events, closures or limitations that may affect continuous work. Without a schedule, there is no way for CTS to commit to an end date for completion. Delays in the schedule will delay the completion date. Any requested overtime to improve the completion date will constitute a change order.

Any schedule changes or project delays due to work areas not being available during the scheduled time, and or any other interruptions outside of CTS control, including but not limited to delay by other trades or customer could result in additional cost to customer. Written notification is required 5 days prior to any schedule changes.

This SOW assumes normal day shift of 8 continuous working hours between 5am and 5 pm, unless otherwise specified and agreed to in writing. Any work outside of this time frame may be subject to additional shift premiums.

This SOW includes one mobilization only. Changes that required additional starts and stops may be subject to additional charges via a change order. This would include, but not limited to, storage, equipment rentals, travel expenses, and other expenses incurred.

This quotation assumes that all existing and new conduits are properly sized with pull string installed and that any new conduits, pathways, wire mold, power poles, core holes, sleeves, and floor boxes, not mentioned in the above scope of work, will be provided and installed by other vendors and will be ready prior to cable installation.

Phone Systems, Network Devices, Active Equipment are not included, unless otherwise stated in the scope of work. Any other Control Components are NOT included in this proposal as directed, unless otherwise specified. It is the assumption that the owner will provide its own system to perform the functions as needed.

Patch Cords are not included unless otherwise stated in the scope of work.

All Contracts and/or Purchase Orders will be subject to monthly progress billings.

Retention dollars are to be paid within 60 days after the completion of our original scope of work, regardless of the total job completion.

Any project valued at \$2500 or above is subject to a pre-lien.

Effective Jan 1, 2015, customer is responsible for supplying CTS with Arizona Transaction Privilege Tax Exemption Form (TPT 5000) or Prime Contractor's Certificate (TPT 5005) as applicable.

Credit card payments shall be assessed a 3.5% convenience fee.

Contract Header

Label
Communications Cabling Systems

Supplier
CORPORATE TECHNOLOGY SOLUTIONS LLC

Currency

Co-Op Contract Designation
yes

Type
Master Agreement

Contract Code
CTR062453

Contract Amount

Subcontractor Data

Distributor Data

0 Result(s)

0 Result(s)

Contract Scope

Organizations
Arizona Department of Administration, State of Arizona

Commodities
Radio or television wire

Contract Validity

Start Date
10/6/2022

End Date
10/1/2025

Extended to Date



Request for Proposal
Solicitation No. BPM004541
Communications Cabling Systems

Arizona Department of Administration
 State Procurement Office
 100 N 15th Avenue
 Phoenix, AZ 85007

Offer and Acceptance Form

SUBMISSION OF OFFER: Undersigned hereby offers and agrees to provide Communications Cabling Systems in compliance with the Solicitation indicated above and our Offer indicated by the latest dated version below:

Initial Offer:	<u>5/18/2022</u> Date	<u>Brian Rhynas</u> Signature		
Revised Offers:	Date	Signature	Date	Signature
	Date	Signature	Date	Signature
Best and Final Offer:	<u>9/20/22</u> Date	<u>Brian Rhynas</u> Signature		

Corporate Technology Solutions LLC

Offeror company name

1971 E 5th St., Ste 111

Address

Tempe, AZ 85281

City | State | ZIP

27-0884582

Federal tax identifier (EIN or SSN)

Brian Rhynas Digitally signed by Brian Rhynas
Date: 2022.05.18 08:57:53 -07'00'

Signature of person authorized to sign Offer

Brian Rhynas - President

Printed name and title

Brian Rhynas - President

Contact name and title

brian@ctscabling.com
602-908-3788

Contact Email Address

Contact phone number

CERTIFICATION: By signature in the above, Offeror certifies that it:

- will not discriminate against any employee or applicant for employment in violation of Federal Executive Order 11246, [Arizona] State Executive Order 2009-9 or A.R.S. § 41-1461 through 1465;
- has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted offer. Failure to provide a valid signature affirming the stipulations required by this clause will result in rejection of the Offer. Signing the Offer with a false statement will void the Offer, any resulting contract, and may be subject to legal penalties under law;
- complies with A.R.S. § 41-3532 when offering electronics or information technology products, services, or maintenance; and
- is not debarred from, or otherwise prohibited from participating in any contract awarded by federal, state, or local government.

ACCEPTANCE OF OFFER: State hereby accepts the initial Offer, Revised Offer, or Best and Final Offer identified by the latest date and number at the top of this form (the Accepted Offer). Offeror is now bound (as Contractor) to carry out the Work under the attached Contract, of which the Accepted Offer forms a part. Contractor is cautioned not to commence any billable work or to provide any material or perform any service under the Contract until Contractor receives the applicable Order or written notice to proceed from the Procurement Officer.

State's Contract Number is: CTR062453

Contract Effective Date: 10/2/2022

John R

9/30/2022

Procurement Officer Signature

Award Date

John Red Horse, Sr. Manager - Technology, SPO

Procurement Officer Name

Title



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Solicitation No.

BPM004541

Description:

Communications Cabling Systems

Arizona Department of Administration

State Procurement Office

100 N 15th Ave., Suite 305

Phoenix, AZ 85007

Attachment 1: Pricing Document

Materials					Offeror Name: Corporate Technology Solutions LLC	
1. This is a list of Materials that will be under contract.						
2. Please note that in the detail of the Specifications (Exhibit 1 to the Scope of Work) attached to this RFP, some of the categories may have limitations on the Manufacturers.						
3. Column 3, the Item Description may be used to describe one product or a category of products;						
4. Column 4, Price List Title & Date/No refers to any Product Lists or catalogues that the Offeror maintains. If no such list exist, please mark as N/A.						
5. Column 5, if a Price List is provided, or of the Offeror chooses to Cost plus , the Offer is not required to fill in the List Price column and should mark as N/A.						
6. The Offeror may choose to submit their offer for each Item below as Discount % off List Price OR Cost Plus but not both.						
Item	Manufacturer Name	Description	Price List Title & Date/No	List Price	Discount % off List Price or MSRP (not labor)	*Cost plus % (not labor)
1	3M	Firestop & Sealing	N/A	N/A	N/A	18%
2	AFL	Fiber/Connectivity	N/A	N/A	N/A	18%
3	APC	UPS	N/A	N/A	N/A	18%
4	Allen Tel	Connectivity	N/A	N/A	N/A	18%
5	Arlington Ind.	Hardware & Support	N/A	N/A	N/A	18%
6	Belden	Cable/Connectivity/Fiber	N/A	N/A	N/A	18%
7	Berk-Tek	Cable/Fiber	N/A	N/A	N/A	18%
8	B-Line	Racks/Supports/Hardware	N/A	N/A	N/A	18%
9	Bogen	Specialty Cable/Intercom	N/A	N/A	N/A	18%
10	Burndy	Grounding Hardware	N/A	N/A	N/A	18%
11	Cablofil/Legrand	Cable Tray/Support	N/A	N/A	N/A	18%
12	Circa Telecom	Protectors/Grounding	N/A	N/A	N/A	18%
13	CommScope	Cable/Connectivity/Fiber	N/A	N/A	N/A	18%
14	Cooper	Racks/Supports/Hardware	N/A	N/A	N/A	18%
15	Corning	Fiber/Connectivity	N/A	N/A	N/A	18%
16	CPI	Racks/Supports/Hardware	N/A	N/A	N/A	18%
17	Crouse Hinds	Metals/Boxes	N/A	N/A	N/A	18%
18	General Cable	Cable/Fiber	N/A	N/A	N/A	18%
19	Hoffman	Cabinets & Hardware	N/A	N/A	N/A	18%
20	Hubbell	Cable/Connectivity/Fiber	N/A	N/A	N/A	18%
21	Hilti	Firestop/Sealing/Support	N/A	N/A	N/A	18%
22	Ideal	Grounding/Connectors	N/A	N/A	N/A	18%
23	Legrand	Cable/Connectivity/Support	N/A	N/A	N/A	18%
24	Leviton	Connectivity	N/A	N/A	N/A	18%
25	Lynn Electronics	UPS/Cable/Connectivity	N/A	N/A	N/A	18%
26	Middle Atlantic	Racks/Cabinets/Support	N/A	N/A	N/A	18%
27	Mohawk	Cable	N/A	N/A	N/A	18%
28	nVent/Caddy	Support & Hardware	N/A	N/A	N/A	18%
29	Ortronics/Legrand	Connectivity	N/A	N/A	N/A	18%
30	Old Castle	Pre-Cast/Manhole/Hardware	N/A	N/A	N/A	18%



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Item	Manufacturer Name	Description	Price List Title & Date/No	List Price	Discount % off List Price or MSRP (not labor)	*Cost plus % (not labor)
31	Panduit	Cable/Connectivity/Fiber	N/A	N/A	N/A	18%
32	Preformed Line P.	Splice Cases/OSP Items	N/A	N/A	N/A	18%
33	Pre-Cast	Pre-Cast/Manhole/Hardware	N/A	N/A	N/A	18%
34	Prysmian Group	Fiber	N/A	N/A	N/A	18%
35	Quicktron/Legrand	Specialty Cable	N/A	N/A	N/A	18%
36	STI	Firestop & Sealing	N/A	N/A	N/A	18%
37	Superior Essex	Cable/Fiber	N/A	N/A	N/A	18%
38	Siemon	Cable/Connectivity/Fiber	N/A	N/A	N/A	18%
39	Steel City	Metals/Conduit/Boxes	N/A	N/A	N/A	18%
40	Sumitomo	Cable/Connectivity/Fiber	N/A	N/A	N/A	18%
41	Tomarco/Stiffy	Support Hardware	N/A	N/A	N/A	18%
42	Tripp-Lite	UPS	N/A	N/A	N/A	18%
43	WBT	Cable Tray & Support	N/A	N/A	N/A	18%
44	Wiremold/Legrand	Surface Raceway	N/A	N/A	N/A	18%
45	Windy City	Specialty wire & cables	N/A	N/A	N/A	18%
41	Eaton	UPC	N/A	N/A	N/A	18%
42						
43						
44						

Labor		Offeror Name				
Item	Class-Item Description	Quantity	Unit	Unit Price	Discount	Total
1	OSP Cabling Technician	1.00	HR	45.00	N/A	45.00
2	ISP Cabling Technician	1.00	HR	45.00	N/A	45.00
3	Cabling Lead Forman / Supervisor	1.00	HR	50.00	N/A	50.00
4	Project Manager, Cabling	1.00	HR	60.00	N/A	50.00
5	CAD Drafter	1.00	HR	50.00	N/A	50.00
6	Optional – Cabling Installer	1.00	HR	38.00	N/A	38.00
Subtotal:						240.00
Tax:						N/A
Freight:						N/A
Discount:						N/A
TOTAL:						240.00



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Optional Services, the Offeror may whether to offer or not.

Labor (Optional only)		Offeror Name				
Item	Class-Item Description	Quantity	Unit	Unit Price	Discount	Total
1	GIS Mapping : Using Geographic Information Systems (GIS) to map out where fiber or other cables are installed and used to allow the State to see where it can better connect into a fiber (or other cabling) system.	1.00	HR	95.00	N/A	95.00
2	BIM Modelling: Building Information modelling (BIM) involves the generation and management of digital representations of physical and functional characteristics of places	1.00	HR	95.00	N/A	95.00