



**City of Phoenix  
Office of the City Engineer  
Design and Construction Procurement**

**PROJECT NO. ST89340660  
FEDERAL AID NO. PHX-0(361)D  
ADOT TRACS NO. T023601C  
7<sup>TH</sup> STREET FIBER TRANSPORTATION ENHANCEMENT  
DESIGN-BID-BUILD**

**RFX 6000001635**

**ADDENDUM NO. 2**

ISSUE DATE: September 12, 2024

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on September 17, 2024, are amended as follows:

Q1.	Is there SRP facilities or canals on this project?
A1.	<b>No, there is no SRP facilities/ canals on this project. The project is within APS limits; however, the new conduit will cross 2 existing bridges located at Cave Creek wash and Greenway wash crossings and the new conduits will require to be attached to the existing bridges.</b>
Q2.	What is the existing conduit size and location?
A2.	<b>The existing conduit size is 4" with existing innerducts within the existing conduit. The contractor will coordinate with City staff to identify which innerduct to install the fiber in the innerduct. The existing conduit is within the airport security fence and the contractor will be required to coordinate with Deer Valley Airport/City staff for access to install the new cable.</b>
Q3.	Any existing brackets available to attach conduit to existing bridges?
A3.	<b>No, there is no existing equipment available at the bridges. The contractor shall furnish and install all needed attachments.</b>
Q4.	Who is responsible for the material for this project. Is it to be included in the bid price or is the City providing the material?
A4.	<b>The contractor is responsible for furnishing, installing, and testing the materials as part of the bid price and as stated in the Specifications and Special Provisions.</b>
Q5.	I noticed there are no Unit pricing for asphalt and concrete replacement, street and sidewalk. Shall we add a unit for these costs or what existing unit should these costs be added to?
A5.	<b>There is currently no specific unit price for asphalt and concrete replacement for street and sidewalk work. Any required removal and replacement of pavement to install conduits and pull boxes, access existing utilities, or other work shown on the plans shall be done in accordance with Section 336 of the contract document, utilizing 1/2 sack CLSM as backfill material, unless approved by the Engineer. Any removal of concrete sidewalk will require the replacement of the full panel(s) to the nearest existing joints per Supplementary Conditions, Section 340. No additional payment will be made for</b>

	<p>pavement or concrete replacement to complete the work as shown on the plans.</p> <p>In addition, any directional drilling application under the existing sidewalk shall be covered under Section 732: Electrical Underground Material. There is no separate measurement of payment for the concrete cut, removal and replacement for directional drilling under the sidewalk, as it is considered in the cost of the conduit.</p>
Q6.	For the Crack Seal/Micro surfacing unit, will striping to be included or will there be a separate unit for striping.
A6.	<b>Striping work will be performed by City of Phoenix crews.</b>

SUPPLEMENTARY CONDITIONS

1. Delete the following section in its entirety: (Pg. S.C.-7 to S.C.-9)

**10. SECTION 105 CONTROL OF WORK**, Delete **Subsection 105.8 CONSTRUCTION STAKES, LINES AND GRADES** and substitute the following,

Replace with the following:

**10. 105 CONTROL OF WORK**, Delete **Subsection 105.8 CONSTRUCTION STAKES, LINES AND GRADES**: add the following,

**Description**

The work under this section shall consist of furnishing all materials, personnel, and equipment necessary to perform all surveying, staking and verification of the accuracy of all points which have been provided by the Engineer in the project plans.

Included in this work will be all calculations required for the satisfactory completion of the project in conformance with the plans and specifications. The work will be done under the direction of a registered professional surveyor employed by the Contractor.

Measurements of all removals and pay quantity items will be the responsibility of the Engineer.

When utility adjustments are a part of the contract, the Contractor will perform and be responsible for locating, tying and untying all manholes and valves that are discovered during the course of the contract. The Contractor will set all survey points, stakes and references necessary for carrying out all such adjustments.

During installation and/or relocation of new water lines, valves, water meters and service connections, fire hydrants, sewer lines, sewer taps, clean outs, manholes, and other similar assets, the Contractor will record the final as-built location and provide additional information related to cost, manufacturer, and model numbers in a form provided by the Engineer.

The Contractor will furnish all traffic control, including flagging for survey and staking operations. Traffic control will be in accordance with the requirements of the City of Phoenix Barricade Manual.

The Contractor will keep field notes in bound field books. These books will be available for inspection by City personnel at all times and will become the property of the City of Phoenix upon completion of the project.

**Construction Staking Requirements**

Staking will be performed in accordance with the City of Phoenix's Survey Section Standard Requirements for Staking, As-Builts and Quantity Calculations, plus any special addenda provided by the Engineer. The Contractor will provide to the Engineer in writing, for the Engineer's approval, any special procedures that will be used for construction survey staking completion.

The project plans will include all the required benchmark and horizontal datum information to establish survey control on the project site and to complete the proper layout of the work. The project plans will identify a minimum of two City of Phoenix published Benchmarks, and identify additional temporary benchmarks at other convenient locations when applicable. After the Contractor has verified the accuracy of the control points established by the City, the Contractor will set all stakes necessary for construction in accordance with the City of Phoenix Survey Section Standard Requirements.

If errors are discovered during the verification process and the control points do not agree with the horizontal or vertical information shown in the plans, the Contractor shall promptly notify the Engineer in writing, and explain the problem in detail. The Engineer will advise the Contractor of any corrective actions which may be necessary.

The Contractor will exercise care in the preservation of stakes, references, benchmarks and will reset them when they are damaged, lost, displaced, or removed.

Any discrepancies in grade, alignment, locations, or dimensions detected by the Contractor will be brought to the attention of the Engineer by letter. No changes in the project plans will be allowed without the approval of the Engineer.

The Engineer reserves the right to make inspections and random checks of any portion of the staking and layout procedure. If, in the Engineer's opinion, the work is not being performed in the manner that will assure proper control and accuracy, the Engineer will order any or all the staking and layout work redone at no additional cost.

If any portion of the Contractor's staking and layout work is ordered redone, resulting in additional rechecking by the Engineer, the City will be reimbursed for all costs for such additional checking. The amount of such costs will be deducted from the Contractor's progress payment.

Inspection of the Contractor's layout by the Engineer and the acceptance of all or any part of it will not relieve the Contractor of their responsibility to secure the proper dimensions, grades, and elevations for the work.

### **Record Drawings and As-builts**

The Contractor shall maintain a record drawing (redlines) set of plans at the job site. These shall be kept legible and current and shall show all changes or work added in a contrasting, reproducible color. Two weeks prior to issuance of substantial completion, the Contractor shall submit, prior to final inspection, corrected redline drawings with all appropriate field changes clearly marked and labeled on the signed and approved plan sets. The Engineer shall be the sole judge as to the acceptability of the record drawing plans, before the information is incorporated into the final and accepted as-built set to be stored with the Central Records office.

Prior to final acceptance, the Contractor will provide a complete as-built set, sealed by a Registered Professional, showing all field modifications and final elevation, stations and offset of the completed improvements. For construction related to sewer, and water facilities, and other utilities, as-built information may be requested at the Engineer prior to completion of as-builts at no additional cost. The as-built plans shall be prepared in accordance with the requirements of

this section and other applicable special provisions for this project. Additional As-built requirement can be found on the Streets Transportation Department Website, under the Community Reference Materials.

### **Measurement**

Construction surveying and layout will be measured as a single complete unit of work, including Record Drawings and As-builts.

Miscellaneous Electrical (As-Built Drawings) will be measured and paid as a lump sum in addition to the Construction Surveying and Layout.

### **Payment**

Payment for construction surveying and layout will be by the lump sum. No payment will be made for the resetting of stakes, references, benchmarks and other survey control.

### **BID PROPOSAL**

2. Remove Bid Proposal forms from Addendum 1 and replace with attached Addendum 2 – Revised 9/11/2024 Bid Proposal forms, Page P-2 Addendum 2 – P-4 Addendum 2.

**NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the PROPOSAL P-1.**

**END OF ADDENDUM**

TECHNICAL REGISTRANT'S SEAL



City of Phoenix  
**BID PROPOSAL**

**7<sup>th</sup> Street Fiber Transportation Enhancement**

**Project No: ST889340660**

**Federal Aid No: PHX-0(361)D ADOT TRACS No: T023601C**

Item No.	Description	Unit	Quantity	Unit Price	Total
1 M1058000	Construction Surveying and Layout	Lump Sum	1.00		
2 M3370103	Crack Seal and Microseal	Sq. Yd.	44,122.00		
3 M4012000	Traffic Control Devices	Lump Sum	1.00		
4 M4013000	Allowance for Uniformed, Off-duty Law Enforcement Officer	Allow	1.00	\$40,000.00	\$40,000.00
5 M5200150	Steel Bollards Per Plans	Each	2.00		
6 7320172	Electrical Conduit (5") (Rigid Metal)	LF	410.00		
7 7320292	Electrical Conduit (1-2")	LF	35.00		
8 7320296	Electrical Conduit (2-1.25")	LF	18,869.00		
9 7320297	Electrical Conduit (3-1.25")	LF	884.00		
10 7320456	Pull box (No. 8) (Phoenix)	EA	17.00		

City of Phoenix  
**BID PROPOSAL**

**7<sup>th</sup> Street Fiber Transportation Enhancement**

**Project No: ST89340660**

**Federal Aid No: PHX-0(361)D**

**ADOT TRACS No: T023601C**

Item No.	Description	Unit	Quantity	Unit Price	Total
11 7320460	Pull box (No. 9) (Phoenix)	EA	7.00		
12 7320787	Single Mode Fiber Optic Cable (144 Fibers)	LF	27,102.00		
13 7320796	Fiber Optic Splice Closure (Phoenix) (7 <sup>th</sup> St and Paradise Ln)	EA.	1.00		
14 7340103	Control Cabinet (Phoenix) (Deer Valley Rd and 7 <sup>th</sup> St Node Cabinet)	EA	1.00		
15 7370422	Electrical System (Layer 3 Network Switch)	EA	1.00		
16 7370455	Miscellaneous Electrical (As-Built Drawings)	Lump Sum	1.00		
17 7370652	Fiber Optic Equipment (Termination Panel)	EA	1.00		
18 7370654	Fiber Optic Equipment (Field Hardened Ethernet Switch)	EA	1.00		
19 9240011	Force Account Work (Pull Box and Conduit Reconditioning)	Allow	1.00	\$6,000.00	\$6,000.00
20 9240119	Miscellaneous Work (Modify Existing Splice Closure at Deer Valley Rd and 7 <sup>th</sup> Ave)	EA	1.00		

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**BID PROPOSAL**

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Item No.	Description	Unit	Quantity	Unit Price	Total
21 9240172	Miscellaneous Work (Fiber Optic Shear Assembly with 250-Ft Tail)	EA	1.00		
22 E6992000	Allowance for Stormwater Pollution Prevention Best Management Practices (BMP's)	Allow	1.00	\$10,000.00	\$10,000.00
23 M1042007	Allowance for Extra Work (Construction Contingencies)	Allow	1.00	\$102,355.00	102,355.00

Project No.: ST889340660-

**7<sup>th</sup> Street Fiber Transportation Enhancement**

**TOTAL FOR BID ITEMS 1 THRU 23**

\$ \_\_\_\_\_

\_\_\_\_\_ and \_\_\_\_\_/100 Dollars  
 Total Dollars in Words