



May 11, 2023

Sta. 3177
P.O. Box 53933
Phoenix, AZ 85072

Hafiz Noor
City of Chandler
215 E Buffalo St
Chandler, AZ 85225

PROJECT: City of Chandler #GG2001-101CA2202.501
LOCATION: Wall Street – Chicago St to Frye Rd

Dear Hafiz,

This letter serves as a letter of agreement for Arizona Public Service Company ("APS") Work Authorization No. **WA517840** relating to the above-mentioned project. The following is an outline of the costs and responsibilities of APS and the City of Chandler ("City").

1) **To be provided and/or installed by City contractor**

- a) All trench material and trench related work including, but not limited to; trenching, spoils removal, asphalt cutting, milling, boring, backfill material and compaction per APS Transmission and Distribution Construction Standards (T.A.D.C.S.) manual, section 8601. All surface restoration (i.e. landscaping, sidewalks, curbs, gutters, pavement, driveways, valley gutters, etc.) as it relates to work performed on this project by the APS contractor.
- b) All conduit, conduit related material, labor to install all associated conduit, including but not limited to; 1", 2", 2.5" 3", 4" and 5" PVC conduit, conduit sweeps, conduit caps, conduit plugs, primer, glue, conduit spacers, rebar, concrete encasement, and mandrelling of the conduit system.
- c) Labor to install communications conduits provided by COX & LUMEN.
- d) All trench, bell holes and backfill as required to splice APS cables to the APS equipment cabinet (surface restoration is to be provided by the City contractor).
- e) All miscellaneous material and work including, but not limited to, barricading, shoring, steel plating, and traffic control.
- f) Where duct banks are required: labor and 2-sack material for the concrete encasement of the duct bank, unless otherwise specified.
- g) Labor to install APS provided manholes, pull boxes, transformer pads, box pads, j-boxes and ground rods (or alternate grounding material).
- h) All conduits shown to be ending in energized APS equipment shall be stubbed 4 feet from either the equipment or the Blue Stake marking for underground electric cables in the vicinity. The conduit is to be capped and marked for APS crews to connect to the equipment. **NOTE: CAUTION DO NOT ENTER - ENERGIZED APS EQUIPMENT.**
- i) Labor to expose and attach to/or re-route existing empty conduit. Re-routing of conduit presently in use shall be performed by the City contractor after the existing electrical cable has been removed by APS forces.

- j) Construction centerline staking, all vertical control and staking of depth requirements for all APS equipment and trenches. Trench alignment and depths shall be adjusted to provide a minimum of two (2) feet vertical clearance from proposed conflicts, and one (1) foot vertical clearance from existing conflicts. APS requires two-(2) feet horizontal alignment from all existing and proposed conflicts.
- k) All ground rods, junction boxes, pull line, transformer pads, box pads, pull boxes, manholes and electronic markers. The APS contractor must schedule with the APS warehouse for material pickup. Contact Lauren Bridwell (602) 371-6049 to schedule an appointment. A late arrival time of more than ten minutes from your scheduled time, may result in an APS cancellation of the appointment, depending on the congestion and workload present at the APS warehouse.

2) **To be provided by APS and installed by the City contractor**

- a) All ground rods, junction boxes, pull line, transformer pads, box pads, pull boxes, manholes and electronic markers. The APS contractor must schedule with the APS warehouse for material pickup. Contact Lauren Bridwell (602) 371-6049 to schedule an appointment. A late arrival time of more than ten minutes from your scheduled time, may result in an APS cancellation of the appointment, depending on the congestion and workload present at the APS warehouse.

3) **To be provided and installed by APS**

- a) Survey for horizontal control of APS related trenching and equipment. City contractor to call 602-371-7010 ten (10) working days in advance to needing control for trenching.
 - b) Conduit system inspection including; trench work, conduit installation, miscellaneous work and installations. City contractor to call (602) 371-6512 a minimum of five (5) working days prior to the start of trenching.
 - c) APS Transmission and Distribution Construction Specifications as related to the project.
 - d) All trench, bell holes and backfill as required to splice APS cables from the point at which the APS contractor ended to the APS equipment cabinet (surface restoration is to be provided by the City contractor).
 - e) Connections to the APS contractor's conduit after the system has been mandrelled and accepted.
 - f) All conduit and sweeps, as required, from the point at which the APS contractor's conduit ended, to the existing energized electrical equipment.
 - g) All secondary cable, primary cable, terminations, sweeps into energized transformers, mandrelling of conduit into energized equipment and fuses in street light j-boxes.
- 4) The City has requested that APS convert the existing overhead 12kV lines to underground on the east side of Wall St Alley from Chicago St to Frye Rd for aesthetic purposes.
- 5) The City has requested that APS provide all trench and conduit for installation of APS, City streetlights, COX and Lumen.
- 6) All trench and conduit installations will be invoiced to the City as part of this agreement. APS to provide joint trench breakout costs via Western Underground Formula (WUF). City to collect trench and conduit costs from joint trench participants without Prior Rights via the WUF.
- 7) This conversion will provide trench and conduit (into energized electrical equipment), electrical materials and electrical man hours to convert/modify 7 electrical panels, install 2 primary dips, install 4 secondary dips, install 2 steel

poles, install 2 switching cabinets, install 1 capacitor bank, install 2 single phase transformers, install 3 three phase transformers, install approx. 1,218' of 3-UA750 conductor, install approx. 4,376' of 1-UA1/0T, install approx. 500' of 1-UA4/0D, install approx. 1,398' of 1-UA4/0A, install approx. 704' of 1-UA1/0A, install all primary and secondary terminations, remove 2 primary dip, remove 8 secondary dips, remove down guys, remove 4 steel poles, remove 6 wood poles, remove OH capacitor bank, remove 2 OH duplex transformer, remove 2 OH three phase transformers, remove OH single phase transformers, remove approx. 1,030' of 3-UA1/0T, remove approx. 480' of 1-UA1/0A, remove approx. 780' of OH #6, remove all primary and secondary terminations. The City shall reimburse APS **\$1,251,239.72** for the design and construction of the above described conversion.

- 8) The project cost breakdown is as follows:

OH to UG 12kV Conversion \$ 1,251,239.72

Total City of Chandler Cost \$ 1,251,239.72

- 9) A.R.S. § 38-511 applies to this Agreement.

Please sign the enclosed letter and return it to me to indicate your approval of the above costs and responsibility. All final billings will be based on actual costs at the end of construction. If you have any questions, please call me at 602-320-7069.

Sincerely,

Ron Gandara

Ron Gandara
Customer Project Manager, Consultant

Enclosure

The City of Chandler agrees to reimburse APS the amount of \$1,251,239.72 for all the work APS performed in association with the City's project.

Approved and accepted this _____ day of _____, 2023, on behalf of the City of Chandler

Printed Name: see signature page attached

Title: see signature page attached

Signature: see signature page attached

The individual executing this Agreement on behalf of the City represents and warrants: (i) that he or she is authorized to do so on behalf of the City; (ii) that he or she has full legal power and authority to bind the City in accordance with the terms herein and, if necessary, has obtained all required consents or delegations of such power and authority.

"CITY" CITY OF CHANDLER

"APS" ARIZONA PUBLIC SERVICE COMPANY

MAYOR

Signature Date

RECOMMENDED BY:



Kimberly Moon, P.E.
CIP City Engineer

Print Name

Title

APPROVED AS TO FORM:

Signer Email Address

City Attorney 

ATTEST:

City Clerk Seal