

**CITY OF PEORIA, ARIZONA
COUNCIL COMMUNICATIONS**

CC: _____
Amend No. _____

Date prepared: April 7, 2010

Council Meeting Date: May 4, 2010

TO: Carl Swenson, City Manager

THROUGH: Susan J. Daluddung, Deputy City Manager

FROM: Andrew Granger, P. E., Engineering Director

THROUGH: Dan Nissen, P. E., Assistant City Engineer

SUBJECT: Design and Construction Services Contract with APS for the 83rd Avenue; Williams to Calle Lejos Widening project (Project No. EN00162, APS Work Authorization No. W426193 and No. W435155)

RECOMMENDATION:

Discussion and possible action to approve and authorize the City Manager to execute the Design and Construction Services Contract with APS for the relocation of overhead power poles and underground facilities related to the 83rd Avenue; Williams Road to Calle Lejos Widening project in the amount of \$101,947.

SUMMARY:

On February 16, 2010, Council awarded the Guaranteed Maximum Price to FNF Construction for the 83rd Avenue; Williams Road to Calle Lejos Widening project. This project is a joint participation with the City of Peoria (City) and the Maricopa County Department of Transportation (MCDOT) and will increase the current three lane roadway from Williams Road to Calle Lejos to a five lane roadway, with two lanes and bike lanes in each direction, drainage system improvements, and limited sidewalk.

As part of the project, the utility companies are required to relocate certain existing facilities. APS has submitted an agreement for design and construction of their facilities consisting of:

- Relocation of existing power poles on both sides of 83rd Avenue
- Relocation of existing underground power cable on the east side of 83rd Avenue

CITY CLERK USE ONLY:

- Consent Agenda
- Carry Over to Date: _____
- Approved
- Unfinished Business (Date heard previous: _____)
- New Business
- Public Hearing: No Action Taken

ORD. # _____ **RES. #** _____
LCON# _____ **LIC. #** _____
Action Date: _____

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APS has prior rights in some areas of the project and the City will be responsible for some of the costs to relocate the electrical facilities.

Staff is recommending that City Council approve and authorize the City Manager to execute the APS Letter of Agreement/Statement of Work and that APS be given authorization to proceed with the relocations of existing APS facilities.

FISCAL NOTE:

Funding for this contract is available in the FY2010 Capital Improvement Program. Payment in the amount of \$101,947 will be from the 83rd Avenue; Williams Road to Calle Lejos Widening project, Proposed MDA Bonds Fund, Street System Account 4230-4230-543001-CIPST-EN00162CO.

PREPARED BY: Karl Zook, P. E., Civil Engineer



A subsidiary of Pinnacle West Capital Corporation

Ron Gandara
Governmental Liaison Sr.
Project Management

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March 22, 2010

Karl Zook
City of Peoria Engineering
9875 N. 85th Ave.
Peoria, AZ 85345

PROJECT: City of Peoria – Project # P06-0069
SUBJECT: W426193 OH Relo. – 83rd Ave. Improv. – Williams Rd. to Calle Lejos
W435155 UG Relo. – 83rd Ave. Improv. – Williams Rd. to Calle Lejos

Dear Mr. Zook,

This letter serves as a Letter of Agreement for Arizona Public Service Company ("APS") Work Authorization No. **W426193 & W435155** relating to the above-mentioned project. The following is an outline of the costs and responsibilities of APS and the City of Peoria ("City").

1) **W426193 - To be provided and installed by Arizona Public Service Company**

- a) Existing APS overhead facilities on east side of 83rd Ave. (Williams Rd. to Calle Lejos) are covered by Prior Rights (electrical easement, see enclosed). The City has requested that the facilities be relocated to accommodate the proposed roadway improvements. The City is to reimburse APS the cost for the relocation/installation of all related work including, but not limited to:
- 1) **12kV poles** – Remove three (3) existing wood poles and install three (3) steel poles.
 - 2) **Down Guy** – Remove one (1) down guy & install one (1) down guy.
 - 3) **Overhead 12kV conductors** – Remove approx. 147' (feet) of primary conductor and install approx. 182' (feet) of primary conductor.
 - 4) **12kV Primary transition dips** – Remove two (2) primary transitions and install two (2) primary transitions.

The above facilities are in conflict with the proposed roadway improvements with in the R/W. The City shall reimburse APS \$69,645.00 for the relocation/installation of equipment covered by Prior Rights.

2) **W435155 - To be provided by City of Peoria Contractor – Future Crossings, Street lights and traffic signals**

- a) All trench material and trench related work; including, but not limited to; trenching, spoils, removal, 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 City contractor and City crews.
- b) All conduit, conduit related material, work associated with the conduit, including but not limited to; 1", 2", 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.

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- c) All street light related material and work associated with the street lights, including but not limited to; poles, mast arms, luminaires, and 10 amp in-line fuses in hand hole of the new street light poles.
- d) All miscellaneous material and work including, but not limited to, barricading, shoring, steel plating, and traffic control.
- e) Where duct banks are required: Labor and 2-sack material for the concrete encasement of the duct bank, unless otherwise specified.
- f) Labor to install APS provided manholes, pull boxes, j-boxes, box pads and ground rods (or alternate grounding material).
- g) All conduit 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.
- h) City contractor is to provide 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.

NOTE: CAUTION DO NOT ENTER - ENERGIZED APS EQUIPMENT

3) **W435155 - To be provided by Arizona Public Service Co. and installed by the City of Peoria Contractor**

- a) All ground rods (or alternate grounding material), street light junction boxes, pull boxes, pull line, transformer pads, pull boxes, switching cabinet box pad, and electronic markers.

4) **W435155 - To be provided and installed by Arizona Public Service Company**

- a) Conduit system inspection including; trench work, conduit installation, miscellaneous work and installations. Call 602-371-7546 a minimum of 72 hours prior to needing inspection.
- b) APS Transmission and Distribution Construction Specifications as related to the project.
- c) All trench, bell holes and backfill as required to splice APS cables from the point at which the City contractor ended to the APS equipment cabinet (surface restoration is to be provided by the City contractor).
- d) Connections to the City contractors conduit after the system has been mandrilled and accepted.
- e) All conduit and sweeps, as required, from the point at which the City contractors conduit ended, to the existing energized electrical equipment.
- f) All street light related material and work associated with the street lights, including but not limited to; secondary conductor, secondary terminations and 15 amp fuses in the street light junction boxes.

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- g) Horizontal survey of all APS facilities. Call 602-371-7010 five- (7) working days prior to needing the staking of the trenches.
- h) Relocate existing APS underground facilities at northeast corner of 83rd Ave. and Pinnacle Peak Rd. that are in conflict with the City's proposed roadway improvements and covered by Prior Rights via existin 8' PUE. The City is to reimburse APS the cost for the relocation/installation of all related work including, but not limited to:
 - 1) **12kV conductors** – Remove approx. 622' (feet) of primary conductor and install approx. 605' (feet) of primary conductor.
 - 2) **Primary pullbox** - Remove one (1) pullbox & install one (1) pullbox.
 - 3) **Trench & conduit** – Provide and install approx. 32' of C5"(2).
- i) The above facilities are in conflict with the proposed roadway improvements (15" – SD) with in the existing 8' PUE. The City shall reimburse APS **\$32,302.00** for the relocation/installation of equipment covered by Prior Rights.

5) The project cost breakdown is as follows:

OH relocation costs covered by Prior Rights	\$ 69,645.00
UG relocation cost covered by Prior Rights	<u>\$ 32,302.00</u>
Total City of Peoria Cost	\$101,947.00

The City of Peoria shall pay APS **\$101,947.00** for all work performed by APS as required by this project.

Please sign one of the two enclosed copies of this letter and return it to me to indicate your approval of the above costs and responsibility. If you have any questions, please call me at 602-371-7546.

Sincerely,



Ron Gandara
Governmental Liaison Sr.
Underground Construction

Encl.

The City of Peoria agrees to reimburse APS the amount of \$101,947.00 for all the work APS performed in association with the City's project.

Approved and accepted this _____ day of _____, 2010, on behalf of the City of Peoria.

By: _____

Its _____