



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA07-226**

1. Agenda Item Number:

27

2. Council Meeting Date

April 12, 2007

TO: MAYOR & COUNCIL

3. Date Prepared: March 26, 2007

THROUGH: CITY MANAGER

4. Requesting Departments: Public Works

5. SUBJECT: Award a contract to Arizona Public Service (APS) for the removal and undergrounding of existing overhead 12 kilovolt (kV) power lines and to relocate an existing switching cabinet to accommodate the Arizona Avenue and Ray Road Intersection Improvement Project, Project No. ST0148-304, in an amount not to exceed \$111,319.

6. RECOMMENDATION: Staff recommends that Council award a contract to Arizona Public Service (APS) for the removal and undergrounding of existing overhead 12 kilovolt (kV) power lines and to relocate an existing switching cabinet to accommodate the Arizona Avenue and Ray Road Intersection Improvement Project, Project No. ST0148-304, in an amount not to exceed \$111,319.

7. BACKGROUND/DISCUSSION: Arizona Public Service (APS) must remove existing overhead 12 kilovolt (kV) power lines along Ray Road, remove one existing switching cabinet, and install one new switching cabinet to accommodate the new street improvements. The conduit has been installed and the City's contractor is ready for APS to pull wire at this time. Arizona Public Service (APS) has prior rights so the City must reimburse the relocation costs.

8. EVALUATION: Arizona Public Service (APS) self performs work.

9. FINANCIAL IMPLICATIONS:

Cost: \$111,319
Savings: N/A
Long Term Costs: N/A

Fund Source:

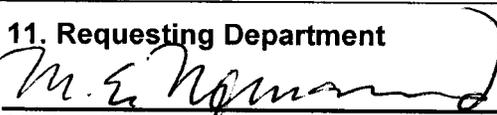
<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
411.3310.0.6517.6ST312	Go Bonds - Streets	Arizona Avenue Phase II	FY 05/06	\$111,319

10. PROPOSED MOTION: Move that Council award a contract to Arizona Public Service (APS) for the removal and undergrounding of existing overhead 12 kilovolt (kV) power lines and to relocate an existing switching cabinet to accommodate the Arizona Avenue and Ray Road Intersection Improvement Project, Project No. ST0148-304, in an amount not to exceed \$111,319 and authorize the Mayor to sign the contract documents.

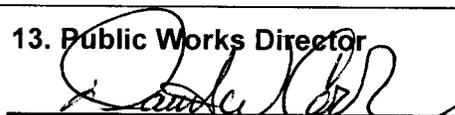
ATTACHMENTS: Location Map

APPROVALS

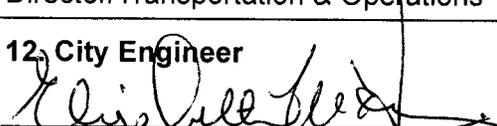
11. Requesting Department


Michael Normand, Acting Assistant Public Works Director/Transportation & Operations

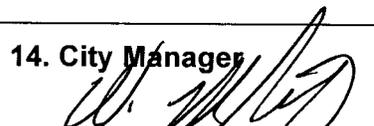
13. Public Works Director


Daniel W. Cook, Acting Public Works Director

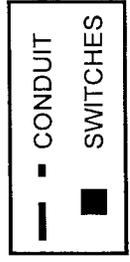
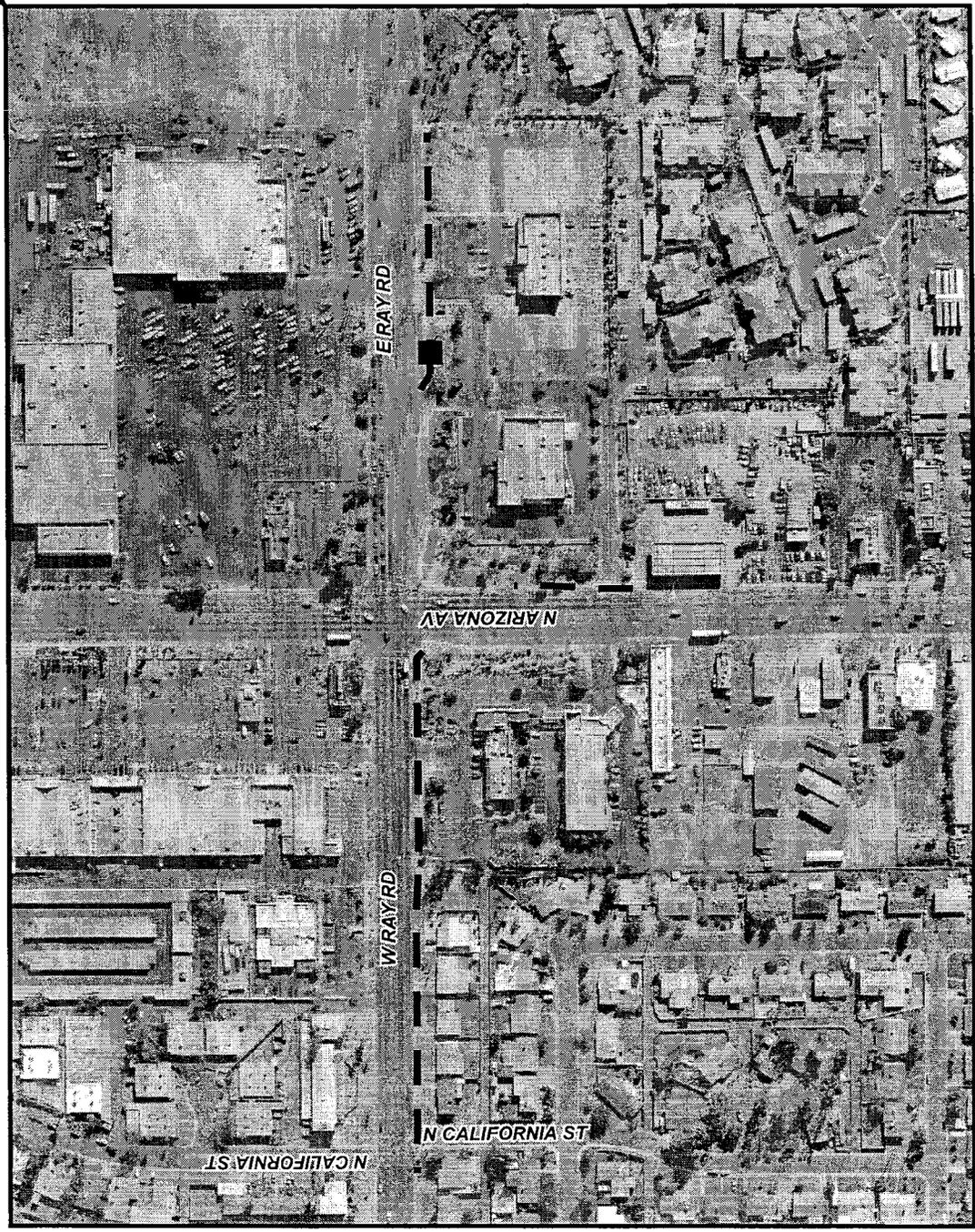
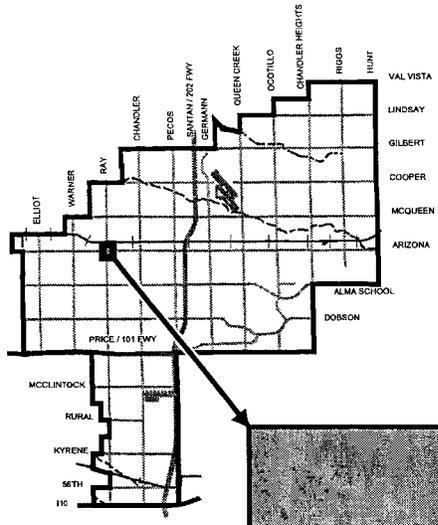
12. City Engineer


Elizabeth M. Huning, Assistant Public Works Director/City Engineer

14. City Manager


W. Mark Pentz, City Manager

ARIZONA AVE AND RAY RD PROJECT NO. ST0148-304



MEMO NO. CA07-226





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Ron Gandara
Governmental Liaison
Project Management

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January 22, 2007

Lori Ali
City of Chandler
Mail Stop 410
PO BOX 4008
Chandler, AZ 85244-4008

RE: Arizona Ave. & Ray Rd. Intersestion Improvements
City of Chandler Project # ST0148-403
APS Work Order W247450 Letter of Agreement

Dear Lori,

This letter serves as a letter of agreement for Arizona Public Service Company ("APS") Work Authorization No. **W47450** 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 by the City of Chandler's Contractor**

- 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 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 of Chandler's contractor and APS 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.
- c) All miscellaneous material and work including, but not limited to, barricading, shoring, steel plating, and traffic control.
- d) 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.
- e) City of Chandler's Contractor is to provide Construction Centerline staking, all vertical control and staking of depth requirements for all APS 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



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- 2) **To be provided by Arizona Public Service Co. and installed by the City of Chandler's Contractor**
 - a) All ground rods, pull boxes, pull line, transformer pads, pull boxes, switching cabinet box pad, and electronic markers.
 - b) Street light junction boxes.

- 3) **To be provided and installed by Arizona Public Service Company**
 - a) Conduit system inspection including; trench work, conduit installation, miscellaneous work and installations. Call 602-371-7110 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 of Chandler's contractor ended to the APS equipment cabinet (surface restoration is to be provided by the City's contractor).
 - d) APS will connect to the City of Chandler contractor's conduit after the system has been mandrilled and accepted.
 - e) All conduit and sweeps, as required, from the point at which the City of Chandler contractor's conduit ended.
 - g) Horizontal survey of all APS facilities. Call 602-371-6945 five- (5) working days prior to needing the staking of the trenches.

- 4) City's contractor is to coordinate with QWEST, Southwest Gas, and COX COMMUNICATIONS, for placement of the respective facilities in the joint trench per trench detail (typical).

- 5) The City has elected to have their contractor remove 10 existing street light poles and install 12 new non-standard street light poles for this project. APS will provided and install all street light secondary cable, fuses, and terminations for the project's streetlights. APS provided and installed 15 amp fuses in the street light junction boxes. The City's contractor will be required to provided a set of 10 amp in-line fuses in each hand hole of the new street light poles.

- 7) APS will relocate a switching that is in conflict with the proposed roadway improvements (east of Arizona Ave.) as requested by the City of Chandler. This equipment is located in an easement and has prior rights. The City of Chandler is to acquire a new easement for APS and provide and install all trench and conduit for this relocation work. The City shall reimburse APS **\$90,246.18** for this equipment relocation.

- 8) APS will install relocate overhead facilities that are in conflict with the proposed roadway improvements (west of Arizona Ave.). The City of Chandler has requested that APS underground their overhead facilities (west of Arizona Ave.). The City of Chandler contractor is to provide all trench and conduit for the conversion from overhead to underground. The City shall reimburse APS **\$21,072.59** for this relocation



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9) The project cost breakdown is as follows:

Prior Rights - Relocate switch cabinet	\$90,246.18
Relocate – Convert OH to UG	<u>\$21,072.59</u>
Total City of Chandler's Cost	\$111,318.77

The City of Chandler shall pay APS **\$111,318.77** 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. All final billings will be based on actual costs at the end of construction. If you have any questions, please call me at 602-371-7546. I would like to thank you Lori, for your continued cooperation and patience.

Sincerely,

Ron Gandara
Governmental Liaison
Underground Construction

Encl.

The City of Chandler agrees to reimburse APS the amount of \$111,318.77 for all the work APS performed in association with the City's project.

Approved and accepted this _____ day of _____, 2007, on behalf of the City of Chandler.

By: _____

Its _____

APPROVED AS TO FORM:

CHANDLER CITY ATTORNEY
beck