



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CP17-047**

1. Agenda Item Number:
45

2. Council Meeting Date:
September 15, 2016

TO: MAYOR & COUNCIL

3. Date Prepared: August 11, 2016

THROUGH: CITY MANAGER

4. Requesting Department:
Transportation & Development

5. SUBJECT: Contract award to Arizona Public Service (APS) for Downtown Infrastructure Improvements

6. RECOMMENDATION: Staff recommends City Council award a design-construction contract to APS for Downtown Infrastructure Improvements, Contract No. WW1506.501, in an amount not to exceed \$458,622.33.

7. BACKGROUND/DISCUSSION: Downtown redevelopment projects require underground conversion of overhead utility lines on Site 6, Oregon Street, Oregon Alley, Boston Alley, and Chicago Streets.

Contract awards for design-construction services to Cox Communications and CenturyLink for the Downtown Infrastructure Improvements are also scheduled for this City Council meeting.

8. EVALUATION: APS is the sole source electrical provider in the area and conducts their own design-construction of its infrastructure. The total project cost is \$488,222.33 of which the City has prepaid APS \$29,600.00 for preconstruction services and preliminary design. This project scope of work consists of finalizing the design, construction, and inspection services for the conversion of the APS overhead electric lines. APS will perform their construction in coordination with the City's contractor.

9. FINANCIAL IMPLICATIONS:

Cost: \$458,622.33, APS Work Order Number WA19882

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>
401.3310.6517.6ST699	General Fund - Capital	Chicago Street & Oregon Street (Site 6)	Yes	\$458,622.33

10. PROPOSED MOTION: Move that Council award a design-construction contract to APS for Downtown Infrastructure Improvements, Contract No. WW1506.501, in an amount not to exceed \$458,622.33.

ATTACHMENTS: APS Design – Construction Services Contract & Map

APPROVALS

11. Requesting Department

Bob Fortier, Capital Projects Manager

13. Department Head

R.J. Zeder, Transportation & Development Director

12. Transportation & Development

Daniel W. Cook, City Engineer

14. City Manager

Marsha Reed



Schedule 3, Revision 12
 Applicant Charges (Non-Refundable)

APS Representative:
 HARRY O'NEILL
 SR. CUSTOMER PROJECT MANAGER
 4612 E BELL RD
 PHOENIX AZ 85032
 602-493-4470
 Bill To:
 City of Chandler

Work Order #: WA198882
 Service Address and City: CHANDLER SITE 6
 Service Zip Code: 85224
 Description of Work:

DATE: 03/25/16
 INVOICE #: AR0030004372

OVERHEAD TO UNDERGROUND CONVERSION AND RELOCATION OF ALL
 ELECTRIC UTILITES SOUTH OF BOSTON STREET, WEST OF ARIZONA AVENUE,
 NORTH OF CHICAGO STREET & EAST OF OREGON STREET.

Mail Stop 403, PO Box 40080
 Chandler, AZ 85244-4008
 480.782.3315

DESCRIPTION		AMOUNT
1		
2	Project Specific Charges (RC965)	\$ 503,138.82
3		
4		
5	Project Specific Labor Costs	\$ 249,391.21
6	Project Specific Material Costs	\$ 253,747.61
7		
8		
9		
10		
11		
12		
13	Salvage and Material Credits (RC301)	\$ (14,916.49)
14	Salvage Scrap Value Credit	\$ (9,415.65)
15	Scrap Value of Removed Conductor	
16	Material Credit	\$ (5,500.84)
17	Material Credit for Removed Equipment	
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		\$ -
31		
32		
33		
34		
35		
36		
37		\$ -
38	TOTAL CHARGES TO APPLICANT (Non-Refundable) (Lines: 1+2+13+18+23+24+27+31+33+34)	\$488,222.33
39	Pre-Paid Design Payment (Credit to original RC)	\$ (29,600.00)
40		
41	TOTAL DUE AFTER PRE-PAYMENT(S)*	\$458,622.33

Non-RefundableAPS Work Order # WA198882

LINE EXTENSION AGREEMENT
(For the Construction of Electric Distribution Facilities)

The parties to this Agreement are ARIZONA PUBLIC SERVICE COMPANY, an Arizona corporation, hereinafter called "APS," and CITY OF CHANDLER

hereinafter called "Applicant." In consideration of the promises and provisions set forth below, the parties to this Agreement agree as follows:

1 CONSTRUCTION

- 1.1 APS shall construct electric distribution facilities as an extension of its present facilities in order to serve CHANDLER SITE 6, Arizona, in accordance with the attachments set forth in Section 6 to this Agreement and APS's line extension service, "Schedule 3, Revision No. 12: Conditions Governing Extensions of Electric Distribution Lines and Services," hereinafter called "Extension Policy." The terms and conditions of APS's Extension Policy and the attachments described in Section 6 are hereby incorporated in full into this Agreement.
- 1.2 The earthwork, conduits and materials necessary for construction shall be provided by the parties as follows: Applicant shall provide distribution line and service line earthwork; APS shall provide and Applicant shall install equipment pads, manholes, pull boxes, junction boxes, and associated appurtenances (unless otherwise noted on the sketch); Applicant shall provide and install all conduit(s) (unless otherwise noted on the sketch). Applicant-provided earthwork, conduits, materials, and installation(s) shall be provided in accordance with the attached sketch(es), specifications, and Trenching Agreement - Requirements, and shall be approved by an authorized representative of APS prior to APS commencing the installation of lines and equipment.
- 1.3 Distribution facilities shall be installed by APS in the location indicated on the attached sketch(es). All suitable easements or rights-of-way required by APS for any portion of the extension which is either on premises owned, leased or otherwise controlled by Applicant, or other property required for the extension, shall be conveyed to APS (in APS's standard Utility Easement form attached hereto) by Applicant without cost to or condemnation by APS and in reasonable time to meet proposed service requirements. Applicant shall provide APS access to these distribution facilities at all times, and shall not block or interfere with said access in any way, including fencing or the placement of obstructions adjacent to and on the door-side of cabinets, transformers, or any other equipment.
- 1.4 All meters are to be located as shown on the sketch, a copy of which is attached to this Agreement. No variation to the meter locations identified may be made unless approved in writing by an authorized representative of APS.
- 1.5 Applicant's "on and off" site construction required in support of APS's construction is estimated to begin on 05/01/16 and to be completed on 11/01/16. APS's construction is estimated to begin on 11/01/16 and to be completed on 03/01/17 contingent upon scheduled completion of Applicant's "on and off" site construction in accordance with APS's specifications. The dates of APS's construction are provided only as estimates, are not binding upon APS, and are subject to change to accommodate APS's workload, material requirements, or other factors.

2 PAYMENT

APS shall not schedule or begin any construction pursuant to this Agreement until it receives from Applicant a payment of \$488,222.33 DOLLARS, which sum equals the amount required by APS (less any pre-paid amount) to extend service to Applicant, as authorized by the Extension Policy. Such payment shall include all charges for the facilities (and municipal street lighting facilities, if applicable) required to serve Applicant's project. Such payment is due to APS upon Applicant's execution of this Agreement. A breakdown of these costs is attached hereto as the Applicant Charges.

3 REIMBURSEMENTS

APS shall pay (reimburse) Applicant \$ NA DOLLARS which represents the total reimbursement for items summarized on the Applicant Reimbursement Details attachment which represent work, trenching, excavation, materials, etc. that the Applicant has agreed to furnish. Reimbursement shall be made after completion of the Applicant's work or activities and shall be contingent upon APS's Final Inspection and Approval.

4 REFUNDS

Applicant payment shall be subject to refund as provided below. No refund will be made to any Applicant for an amount more than the Applicant's payment.

- 4.1 If prior to the start of APS's construction, Applicant notifies APS in writing of Applicant's request to cancel this Agreement, Applicant shall be entitled to receive a refund of the amount paid less all fees and costs incurred by APS associated with the Agreement prior to cancellation.
- 4.2 APS reserves the right to withhold refund to Applicant if Applicant's account(s) are delinquent, and apply these refund amounts to past due bills.

5 GENERAL PROVISIONS

- 5.1 This Agreement shall be binding upon and inure to the benefit of the heirs, administrators, executors, or assignees of the parties to this Agreement, provided, however, that no assignment or other transfer of this Agreement shall be binding upon APS or create any rights in Applicant's assignee until such assignment or other transfer is approved and accepted in writing by an authorized representative of APS.
- 5.2 All electric facilities installed pursuant to this Agreement shall be owned by APS.
- 5.3 APS may use the installed facilities to serve other customers, and may extend service to other customers from the facilities located within the rights-of-way and easement(s) conveyed to APS pursuant to this Agreement.
- 5.4 This Agreement does not require APS to construct any line extensions to future customers not included in the attached sketches.
- 5.5 If Applicant fails to complete its "on and off" site construction requirements in support of APS's construction within six months of the estimated date of completion for said Applicant construction, as set forth in Section 1.5 hereof, APS shall have the right to revise the payment amount required pursuant to Section 2 hereof which Applicant will be required to pay prior to APS proceeding with construction or energizing its facilities.
- 5.6 If Applicant fails to complete its "on and off" site construction requirements in support of APS's construction within one year of the estimated date of completion for said Applicant construction, as set forth in Section 1.5 hereof, APS shall have the right to cancel this Agreement, and Applicant shall be entitled to receive a refund of the amount paid, less all fees and costs incurred by APS associated with the Agreement prior to cancellation.
- 5.7 The prevailing party in any proceedings instituted by either party regarding a dispute concerning this Agreement shall be entitled to recover its reasonable attorney's fees, costs, and expenses.
- 5.8 If any term or condition of this Agreement is held to be invalid, void, or otherwise unenforceable by any court of competent jurisdiction, that holding shall not affect the validity or enforceability of any other term or condition of this Agreement, unless enforcing the balance of this Agreement would deprive either party of a fundamental benefit of its bargain.
- 5.9 This Agreement contains the final and complete agreement between the parties for the construction of the line extension described herein and supersedes all prior and contemporaneous conduct, agreements, statements, representations, negotiations, course of conduct, course of dealing, and communications pertaining to the subject matter hereof, whether written or oral. The parties shall not be bound by or be liable for any statement, representation, promise, inducement, or understanding of any kind not set forth in or formally incorporated into this Agreement.

6 ATTACHMENTS

The provisions, terms, and conditions of each of the following documents, attached to this Agreement, are hereby incorporated in full into this Agreement.

NOTE: Documents marked below are attached

<input checked="" type="checkbox"/>	Design Sketches
<input type="checkbox"/>	Applicant Charges (Non-Refundable)
<input checked="" type="checkbox"/>	Schedule of Charges (Non-Refundable)
<input type="checkbox"/>	Applicant Charges (Single Family Homes Non-Refundable)
<input type="checkbox"/>	Schedule of Charges (Single Family Homes Non-Refundable)
<input type="checkbox"/>	Agreement to Construct Distribution Facilities
<input type="checkbox"/>	Applicant Reimbursement Details
<input checked="" type="checkbox"/>	Sales Invoice
<input type="checkbox"/>	

<input type="checkbox"/>	Attachment A Signature Page
<input type="checkbox"/>	Operating Agreement
<input checked="" type="checkbox"/>	Trenching Agreement – Requirements
<input type="checkbox"/>	Utility Easement
<input type="checkbox"/>	Dusk-to-Dawn Work Order
<input type="checkbox"/>	Developer Streetlight Agreement
<input type="checkbox"/>	Street Light Details
<input checked="" type="checkbox"/>	Equipment Details
<input type="checkbox"/>	

7 EFFECTIVE DATE

This Agreement will become effective only upon the execution of this document by duly authorized representatives of the parties and payment by Applicant to APS of the total amount set forth in Section 2, and will be deemed effective as of the date signed by APS.

ARIZONA PUBLIC SERVICE COMPANY

APPLICANT

Signature: _____
Name: PAMELA BUOL
Title: SUPERVISOR
Date: _____

Applicant's Name:
 City of Chandler

Signature: _____
Name (Print): _____
Title: _____
Date : _____

Study and Design Agreement Payment
APS Invoice #: AR0030004229
Amount: \$ 29,600.00
Date Received: 10/15/2015

Mailing Address:
Mail Stop 403, PO Box 40080
Chandler, AZ 85244-4008
Permanent Phone #: 480.782.3315

Material Order Agreement Payment
APS Invoice #: N/A
Amount: \$ 0.00
Date Received: N/A

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

Line Extension Agreement Payment
APS Invoice #: AR0030004372
Amount: \$ 444,927.27
 (Including Taxes)
Date Received: _____

Total Amount Paid: \$ _____
 (Including Taxes)

APPROVED AS TO FORM

 CITY ATTORNEY *CAB*



TRENCHING AGREEMENT – REQUIREMENTS

The parties to this Agreement are ARIZONA PUBLIC SERVICE COMPANY, an Arizona corporation, hereinafter called "APS" and City of Chandler, hereinafter called "Applicant". In consideration of the services to be performed by APS and Applicant for construction of underground distribution facilities at Chandler Site 6 N of Chicago St. - W of Arizona St, it is agreed as follows:

1. Applicant shall provide trench, conduit, backfill and 3-phase transformer pads. Applicant shall install conduit, backfill, 3-phase transformer pads and APS provided equipment pads/box pads, pull boxes, j-boxes and manholes. These items shall be provided and installed according to this agreement, the Trenching Installation Specifications (Attachment), the T&D Construction Standards, Arizona Bluestake Laws and the attached drawings.
2. **Applicant shall use a properly licensed contractor when excavating in the public right-of-way, within a utility easement, or around APS equipment. Contractor licenses may be confirmed through the State Registrar of Contractors.**
3. APS shall be responsible for inspecting all trench, conduit and equipment installations outlined in item 1 above. Applicant shall provide easements for trench routes, equipment locations, and secure all necessary permits required by local municipalities and/or governing agencies. Applicant shall also ensure that APS has vehicular access to facilities at all reasonable times.
4. Easements, alleys, streets and water retention areas adjacent to proposed trench route must be graded to within 6 inches of finished grade, and grade stakes set, before APS approves trench and begins construction. **Applicant agrees to reimburse APS for any costs incurred in adjusting facilities due to changes in finished grade.**
5. Applicant shall have property corners, grade stakes, control points, or blue tops installed and flagged (as requested) set adjacent to trenches and equipment locations before APS will begin survey and prior to APS final inspections being completed.
6. Applicant shall be responsible for having all existing underground facilities located and identified in the field before excavation begins. **Contact Arizona Bluestake 602-263-1100 or dial 811.** Toll Free 1-800-782-5348. For a complete statement of the law regarding location of underground facilities, refer to Arizona Revised Statutes, Chapter 2, Article 6.3, Sections 40-360.21 through 40-360.32 or contact the Arizona Corporation Commission at (602)-262-5601 for interpretations, enforcement and educational presentations.
7. APS approved and Applicant provided concrete caps shall be installed over conduit in trenches which cross or are located in drainage areas, washes, and other areas subject to erosion as shown on the attached drawings and as required by the designated APS Representative.
8. APS will not energize underground cable until the trench depth is verified and backfill is compacted with a minimum of 24 inches cover for secondary/service and 36 inches cover for primary, unless otherwise shown on the attached drawings.
9. Applicant shall restore, at Applicant's expense, any damaged landscaping or property to its original condition, due to Applicant provided trenching, backfilling or equipment installations.
10. APS reserves the right to inspect all or any part of Applicant's work during or after completion of trenching, conduit installation, shading, backfilling, or compaction. If all or any part of the work has not been done according to APS specifications, Applicant shall take corrective action at Applicant's expense. APS, at Applicant's request, may perform the corrective action at the Applicant's expense. **Neither inspection of the work by APS nor lack of same, shall relieve Applicant of the responsibility to provide and perform the work according to APS specifications. In all cases, the Applicant is responsible for conduit system location, trench settling and compaction, integrity, and usefulness until APS power lines have been installed and energized.**

11. Where Applicant provides the trench and backfill, Applicant shall indemnify or cause its contractors to indemnify and save harmless APS and any other utility who is a joint trench occupant with APS, from any and all claims, losses, costs and damages incurred by the utilities, on account of injuries or damages to persons or property received or sustained by any persons, firms, or corporations to the extent of any negligent acts or omissions of Applicant, its agents or employees, or of any defects in the methods, materials, used in the trenching or backfilling.
12. The following documents are attached to and made a part of this agreement:

<input type="checkbox"/> Construction drawings	<input type="checkbox"/> Three-phase transformer pad and conduit requirements
<input type="checkbox"/> Applicant trenching diagram	<input type="checkbox"/> Section 500 and/or 600 of APS' Electric Service Requirements
<input type="checkbox"/> Duplex transformer requirements	<input type="checkbox"/> T&D Construction Standards _____
<input type="checkbox"/> Equipment box pad details	<input type="checkbox"/> Other _____
13. **Applicant shall review this document and the Trenching Installation Specifications (Attachment) with their trenching contractor before work begins. The trenching contractor shall maintain a copy of these documents at the job site for review.**
14. **For inspection call the APS Representative two (2) working days prior to start of work:**
 Name: BRIAN LOBERG Telephone: 602-809-3586
15. **If Applicant provides survey of APS facilities, Applicant is required to provide As-Built drawings to APS, in accordance with APS Land Department Survey As-Built Requirements. A copy of these requirements may be found on the APS Construction Corner website: <http://www.aps.com/library/COMMUNICATIONS/SurveyAsbuiltRequirements.pdf> or by calling APS Land Department at 602-371-6298 if website is unavailable.**
16. **Contact APS representative for project scheduling and coordination.**
17. **Signatory on the agreement must be an officer of the company or a representative who has authority to bind the entity signing the contract.**
18. Applicant shall request a pre-construction meeting with APS Representative and Public Safety Department personnel to discuss trenching safety precautions prior to excavating near overhead lines or through existing utility easements where overhead lines exist.
19. **Refer all questions to the designated APS Representative.**

This Agreement has been executed by the duly authorized representatives of the parties.

APS Representative	Applicant
Signature: _____	Signature: _____
Name: <u>HARRY O'NEILL</u>	Name: _____
Title: <u>SR. CUSTOMER PROJECT MANAGER</u>	Title: _____
Date Signed: _____	Date Signed: _____
Mailing Address: <u>4612 E BELL RD</u>	Mailing Address: _____
City/State/Zip: <u>PHOENIX, AZ 85032</u>	City/State/Zip: _____
Telephone: <u>620-493-4470</u>	Telephone: _____

APPROVED AS TO FORM

CITY ATTORNEY *GAB*



TRENCHING INSTALLATION SPECIFICATIONS

1. All primary, secondary, and service conductors shall be installed in PVC conduit unless otherwise specified on the drawings.
2. Rigid conduit is defined as PVC. Sweeps shall have one belled end and one plain end. Both ends shall be internally chamfered.
3. Applicant will provide conduit which meets the following specifications:

Straight Conduit (See Notes 1 & 2)	PVC DB-120 (Modulus 400,000 PSI)	Mfg. Name, nom. Size, 90° C, Type (i.e. DB-120), ASTM F-512, PVC 12254B or PVC 12254B AZ2 or PVC 12254B AZR
	PVC SCH 40 or SCH 80	Mfg. Name, nom. Size, 90° C, PVC SC 40 or SCH 80, NEMA TC-2
Bends, Sweeps and Elbows (See Note 3)	PVC SCH 40 or SCH 80 (See Note 4)	Mfg. Name, nom. Size, 90° C, PVC SC 40 or SCH 80, NEMA TC-2 radius, degree of curvature
Fittings	PVC SCH 40 or SCH 80	Mfg. Name, nom. Size, 90° C, PVC SC 40 or SCH 80, NEMA TC-2 (marking may be on packing material)
Notes: 1. 12254B minimum cell classification per ASTM D-1748. 2. PVC DB-100, modulus 400,000 PSI, ASTM F-512 is suitable for 4 inch and 5 inch conduit. 3. 4" dia. & under-SCH 40 NEMA TC-2; 5" diameter & larger-SCH80 NEMA TC-2, 60" radius 4. Sweeps at SES shall be SCH80, Reference APS ESRM, Section 500. 5. All PVC shall be gray.		

4. When installing PVC conduit apply purple primer/cleaner ASTM F656 to all PVC joints prior to applying a coating of gray PVC to PVC cement ASTM D2564.
5. Unless otherwise specified, sweeps/bends shall be 24 inch minimum radius for secondary/service and 36" radius for primary. Five inch diameter conduit requires a 60" minimum radius for sweeps and bends.
6. The conduit sweeps at device location shall extend a minimum of 1-1/2 inches and a maximum of 2 inches above the top of the pad. Trench depth shall be adjusted to obtain the correct extension (conduit sweeps shall not be cut.) Conduits that are stubbed out of any component, manhole or pullbox shall be tagged to indicate where the stubbed end is located. Attach tag to the expandable plug. Refer to APS Standard 1215, Section 7.0 for proper identification method.
7. Applicant shall provide and install 3 phase transformer pads, as well as install APS provided equipment pads/box pads, pull boxes, j-boxes and manholes in accordance with APS Specifications and the attached Work Order drawings. Conduit stubs shall be positioned in equipment as specified on the attached drawings or details. APS will provide ground rods or ground wire. The Applicant shall install the ground rod to within 6 inches of finished grade at time of conduit installation at each equipment location. Ground rods shall not be cut. Alternate #6 copper ground wire (where specified on the Work Order drawings) shall be buried a minimum of 18 inches deep. Working clearance shall be provided for all equipment per APS Standard 1278 and 1279.
8. Minimum 90 percent soil compaction is required at all equipment locations (compacted area to extend 1 foot out from equipment.) A minimum soil compaction of 85 percent is required at all other locations. In the event of an inconsistency or conflict with other agency specifications, the more stringent specification shall apply. All equipment locations shall be backfilled with select (1-1/2 inches maximum diameter rock) material compacted with mechanical tamping machine and leveled to finished grade. The use of a mechanical tamping machine is not required where 1/2-sack slurry (1/2 sack of cement per cubic yard of sand or ABC) is utilized for backfill. Equipment locations shall maintain the minimum clear working areas specified in APS T&D Construction Standards.
9. Concrete caps shall consist of 3000 psi concrete at 28 days, 4 inches thick and 2 inches minimum on all sides.
10. Shading over all APS conduit shall be a minimum of 12 inches regardless of soil conditions. The 6 inches immediately above the conduit shall contain no rocks larger than 1-1/2 inches in diameter. The next 6 inches lift shall contain no rocks larger than 3 inch diameter. The remaining backfill may be trench spoils. Shading is not required when 1/2-sack slurry backfill (1/2-sack of cement per cubic yard of sand or ABC) is utilized.
11. The APS Inspector shall approve trench depth changes due to obstructions encountered while digging.
12. See T&D Construction Standards and trench details on the construction sketch, for minimum horizontal and vertical separations to other utilities at crossings or in Joint Use trench situations.
13. Crossings require a minimum of 12 inches vertical clearance between APS facilities and other utilities, including water and sewer taps.
 Exceptions: 1) If crossing is with a gas service line, this separation may be reduced to 6 inches if the gas service line is sleeved in a rigid pipe. The sleeve shall extend 12 inches beyond APS conduits, measured perpendicular from the sidewall of the nearest electric conduit/cable. 2) A 2 inch vertical crossing separation (above or below) is allowed between APS and communications at equipment locations.
14. If APS facilities are joint trench with natural gas facilities, natural gas lines shall be installed with a minimum of 12 inches vertical separation, outside wall to outside wall, above all APS conduits. In addition, natural gas lines shall maintain a minimum 12 inches horizontal separation from the outside edge of all APS equipment pads to the outside wall of the gas lines.
15. The conduit system shall be proven after backfill is completed. An APS provided pull line shall be installed by the Applicant (except in service stubs.) All empty conduit ends shall be plugged at equipment locations. APS shall provide and the Applicant shall install expandable plugs at all equipment locations. Future conduit stub-outs shall be capped and a locate marker installed. Tape is not an acceptable substitute for caps or plugs.
16. Applicant shall excavate by hand within two (2) feet of existing energized APS equipment. Contact the APS Inspector prior to digging within ten (10) feet of a pole or five (5) feet of a down guy rod unless the excavation is two (2) feet or less in depth or specified on the Work Order drawings. All trench spoils shall be placed a minimum of two (2) feet from the trench wall.

**DOWNTOWN INFRASTRUCTURE
IMPROVEMENTS
PROJECT NO. WW1506.501**



MEMO NO. CP17-047

--- APS ELECTRIC

