

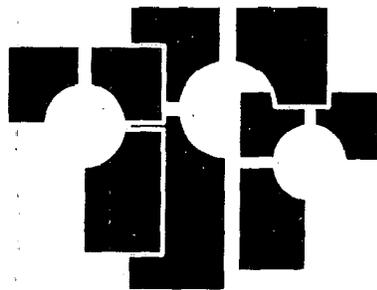
C-10621
01/26/2016

PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS

PROJECT NO. 151607

INFILL STREET LIGHTING INSTALLATION

NOVEMBER 2015



GLENDALÉ

CITY OF GLENDALE

ENGINEERING DEPARTMENT

5850 W. Glendale Avenue, Glendale, Arizona 85301 (623) 930-3630



Engineering Department

Memorandum

DATE: November 12, 2015
TO: All Plan and Specification Holders
FROM: Engineering
SUBJECT: PROJECT NO. 151607 – INFILL STREET LIGHTING INSTALLATION

ADDENDUM NO. 1

In accordance with the contract documents "Information for Bidders," Page 4, Paragraph 12 CHANGES TO PLANS AND DOCUMENTS, the following revisions to the plans and specifications shall become a part of the contract documents and the bidder shall acknowledge receipt thereof as directed in Paragraph 13 of the Information for Bidders.

Notice To Contractors, Page 1, Paragraph 1

Please change the number of potential street light installations from 11 to 14 (contingent upon funding). This change is consistent with the bid schedule and plans.

END OF ADDENDUM

PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS

MAYOR

Jerry P. Weiers

COUNCIL MEMBERS

Jaime Aldama

Samuel U. Chavira

Ian Hugh

Ray Malnar

Lauren Tolmachoff

Bart Turner

ACTING CITY MANAGER

Richard A. Bowers

CITY ATTORNEY

Michael D. Bailey

CITY CLERK

Pamela Hanna

CITY ENGINEER

David D. Beard



GLENDAL
E

TABLE OF CONTENTS

NOTICE TO CONTRACTORS	1
INFORMATION FOR BIDDERS	2
1. ELIGIBILITY OF CONTRACTORS	2
2. PROPOSAL	2
3. BID SECURITY	3
4. WITHDRAWAL OF BID	3
5. LATE BIDS	3
6. AWARD OR REJECTION OF BIDS	3
7. BIDDERS INTERESTED IN MORE THAN ONE BID.....	3
8. CONTRACT AND BONDS.....	3
9. INSURANCE REQUIREMENTS	3
10. SUBCONTRACTORS' LISTING AND CERTIFICATION OF CONTRACT COMPLIANCE.....	4
11. INTERPRETATION OF PLANS AND DOCUMENTS.....	4
12. CHANGES TO PLANS AND DOCUMENTS	4
13. ADDENDUM	4
14. ASSIGNMENT OF CONTRACT	4
15. PLANS AND SPECIFICATIONS TO SUCCESSFUL BIDDER.....	5
16. TIME OF COMPLETION	5
17. CITY OF GLENDALE TRANSACTION PRIVILEGE TAX	5
18. ALTERNATES.....	5
19. APPROVAL OF SUBSTITUTIONS.....	5
20. USE OF "EQUALS"	5
21. EXAMINATION OF CONTRACT DOCUMENTS AND VISIT SITE.....	6
22. BIDDERS IN DEFAULT	6
PROPOSAL	7
BID BOND	12
SUBCONTRACTOR LISTING AND CERTIFICATION OF CONTRACT COMPLIANCE	13
CONSTRUCTION AGREEMENT	14
PERFORMANCE BOND.....	27
PAYMENT BOND.....	28
CERTIFICATE OF INSURANCE	29
CONTRACTOR'S AFFIDAVIT/LIEN WAIVER.....	31
SUPPLEMENTAL GENERAL CONDITIONS.....	32
1. GENERAL	32
2. DEFINITIONS	32
3. PROPOSAL QUANTITIES.....	32
4. WITHDRAWAL OF PROPOSALS	33
5. LOSSES AND DAMAGES.....	33
6. DUST PREVENTION	33
7. EXCESS MATERIAL	33
8. STOCKPILE OF MATERIALS	33
9. REFUSE COLLECTION ACCESS.....	33
10. CLEAN-UP.....	33
11. SHOP DRAWINGS.....	33

NOTICE TO CONTRACTORS

Sealed bids shall be either mailed to the City of Glendale Engineering Department, 5850 West Glendale Avenue, Glendale, Arizona, 85301, or hand-delivered to the Engineering Department office, third floor, 5850 West Glendale Avenue, Glendale, Arizona, for furnishing all plant, material, equipment and labor, and to complete construction of: **PROJECT NO. 151607-INFILL STREET LIGHTING INSTALLATION**. This project will provide for the installation of up to 11 infill street lights at various locations, contingent upon funding, per project specifications. Locations are distributed throughout Glendale but within the APS service area. Contractor is to provide all labor and material.

Bids must be received by the Engineering Department of the City of Glendale no later than 9:00a.m., December 1, 2015. Any bid received after that time will not be considered and will be returned to the bidder. At that time, the bids will be publicly opened and read aloud in the Engineering Department Conference Room, 5850 West Glendale Avenue, Glendale, Arizona.

Plans, specifications and contract documents may be examined, and copies may be obtained at City of Glendale Engineering Department, 5850 West Glendale Avenue, Glendale, Arizona. A non-refundable charge of \$10.00 shall be paid for each set of plans and specifications issued from this office.

Each bid shall be in accordance with the plans, specifications and contract documents, and shall be set forth and submitted on the BID DOCUMENTS included with the project specifications book. The BID DOCUMENTS may be removed from the project specifications book and submitted independently of such book. Each bid shall be accompanied by a proposal guarantee, in the form of a certified or cashier's check or bid bond for ten percent (10%) of the amount of bid, made payable to the order of the City of Glendale, Arizona, to insure that the successful bidder will enter into the contract if awarded to him and submit the required Certificate of Insurance, Payment Bond and Performance Bond. All proposal guarantees, except those of the three lowest qualified bidders, will be returned immediately following the opening and checking of proposals. The proposal guarantees of the three lowest qualified bidders will be returned immediately after the contract documents have been executed by the successful bidder. The proposal guarantee shall be declared forfeited as liquidated damages if the successful bidder refuses to enter into said contract or submit the Certificate of Insurance, Payment Bond and Performance Bond after being requested to do so by the City of Glendale, Arizona.

The City of Glendale reserves the right to reject any or all bids or waive any informality or irregularity in a bid. No bidder may withdraw his bid for a period of fifty (50) days after opening and reading of the bids.

The City of Glendale is an equal opportunity employer and minority business enterprises and women's business enterprises are encouraged to submit bids.

CITY OF GLENDALE, ARIZONA

Published: November 12 & 19, 2015
The Glendale Star

working days after the award, to execute said Contract and deliver the Performance and Labor and Material Payment Bonds and the Certificate of Insurance, the Bid Security shall become the property of the City.

4. WITHDRAWAL OF BID: Any bidder may withdraw his bid, either personally, by telegram or by written request, at any time prior to the scheduled closing time for receipt of bids. No bid may be withdrawn by telephone. Any bid withdrawn will not be opened and will be returned to the bidder. After opening and reading of the bids, no bidder may withdraw his bid for a period of fifty (50) days from the date of opening and reading.

5. LATE BIDS: Bids received after the scheduled closing time for receipt of bids, as contained in the "Notice to Contractors," will not be considered and will be returned to the bidder.

6. AWARD OR REJECTION OF BIDS: The contract will be awarded to the lowest and best qualified responsive bidder complying with these instructions and with the "NOTICE TO CONTRACTORS." The City of Glendale, Arizona, however, reserves the right to accept or reject any or all bids or to waive any or all informalities or irregularities in the bid. Alternates may be accepted depending upon the availability of City funds. Accepted alternates will be considered in determining the lowest responsive and responsible bidder.

7. BIDDERS INTERESTED IN MORE THAN ONE BID: No person, firm or corporation shall be allowed to make, file, or be interested in more than one (1) bid for the same work unless alternate bids are called for in the specifications or any addenda. A person, firm, or corporation who has submitted a sub-proposal to a bidder, or who has quoted prices on materials to a bidder is not thereby disqualified from submitting a sub-proposal or quoting prices to other bidders.

8. CONTRACT AND BONDS: The form of contract, which the successful bidder as Contractor will be required to execute and the forms of bonds which he shall be required to furnish are included in the contract documents and should be carefully examined by the bidder. The successful bidder shall use the forms provided or such other forms as are acceptable by the City. The Contract and Performance and Labor and Material Payment Bonds will be executed in three (3) original counterparts. All bonds shall be issued by companies licensed with the Arizona Department of Insurance and authorized to issue such bonds in this state. **NO BONDS ISSUED BY INDIVIDUAL SURETIES WILL BE ACCEPTED. The company issuing any bond shall have a rating of not less than A- in the BEST rating available at the time this project was let to bid.**

9. INSURANCE REQUIREMENTS: Contractor, and each Sub-contractor performing work or providing materials related to this Agreement must procure and maintain the insurance coverages described (collectively, "Contractor's Policies"), until each Parties' obligations under this Agreement are completed. Contractor must at all times relevant hereto carry a commercial general liability policy with a combined single limit of at least \$1,000,000 per occurrence and \$2,000,000 annual aggregate. **Contracts in excess of \$250,000 shall require \$2,000,000 single occurrence/\$5,000,000 annual aggregate.**

Sub-contractors must at all times relevant hereto carry a general commercial liability policy with a combined single limit of at least \$1,000,000 per occurrence.

This commercial general liability insurance must include independent contractors' liability, contractual liability, broad form property coverage, products and completed operations, XCU

hazards if requested by the City, and a separation of insurance provision.

These limits may be met through a combination of primary and excess liability coverage.

Auto. A business auto policy providing a liability limit of at least \$1,000,000 per accident for Contractor and \$1,000,000 per accident for Sub-contractors and covering owned, non-owned and hired automobiles.

Workers' Compensation and Employer's Liability. A workers' compensation and employer's liability policy providing at least the minimum benefits required by Arizona law.

Equipment Insurance. Contractor must secure, pay for, and maintain all-risk insurance as necessary to protect the City against loss of owned, non-owned, rented or leased capital equipment and tools, equipment and scaffolding, staging, towers and forms owned or rented by Contractor or its Sub-contractors.

10. SUBCONTRACTORS LISTING AND CERTIFICATION OF CONTRACT COMPLIANCE: The contractor will be required to furnish the form of subcontractors listing and certification of contract compliance with the executed contract documents. This information is requested for tracking and insurance purposes only.

11. INTERPRETATION OF PLANS AND DOCUMENTS: If any person contemplating a bid for proposed contract is in doubt as to the true meaning of any part of the plans, specifications, or other proposed contract documents, or finds discrepancies in or omissions from the plans and specifications, he may submit to the Engineering Department, a written request for an interpretation or correction thereof. The person submitting the request will be responsible for its prompt delivery. Questions received less than ninety-six (96) hours before the bid opening time may not be answered. Any interpretation or correction of the documents will be made only by Addendum, duly issued and a copy of such Addendum will be mailed or delivered to each person receiving a set of such documents. The City of Glendale will not be responsible for any other explanations or interpretations of the proposed documents.

12. CHANGES TO PLANS AND DOCUMENTS: Any changes to the plans and documents shall be made only by Addendum. No verbal or other changes to the plans and documents will be valid. A copy of each Addendum will be mailed or delivered as provided in Section 13 below.

13. ADDENDUM: Any addenda will be faxed, mailed or delivered to all who are known by the City to have received a complete set of bid documents, and to offices where bid documents have been filed for review purposes. It is the responsibility of each bidder to ascertain that he has received all addenda issued by telephoning the office identified in the NOTICE TO CONTRACTORS as the location where bid documents are available prior to submitting his bid.

Bidders shall acknowledge all addenda in the appropriate location on the "PROPOSAL" form. Failure to acknowledge receipt of Addenda shall render the bid proposal non-responsive and it will be rejected.

14. ASSIGNMENT OF CONTRACT: No assignment by the Contractor of any contract to be entered into hereunder, or any part thereof, or of funds to be received thereunder by the Contractor, will be recognized by the Owner unless such assignment has had prior approval of the Owner, and the Surety has been given due notice of such assignment in writing and has consented thereto in

writing.

15. PLANS AND SPECIFICATIONS TO SUCCESSFUL BIDDER: The successful bidder may obtain five (5) sets of plans and specifications for this project from the City.

16. TIME OF COMPLETION: The Contractor shall commence work under this project on or before the tenth day following receipt of the Notice to Proceed for that project from the City of Glendale and shall fully complete all work under the project within Sixty (60) consecutive calendar days from and including the date of receipt of such Notice to Proceed. Time is of the essence in the completion of all work required under this contract. The Contractor shall, at all times, during the continuance of the contract, prosecute the work with such force and equipment as is sufficient to complete all work within the time specified.

17. CITY OF GLENDALE TRANSACTION PRIVILEGE TAX: The City of Glendale transaction privilege tax shall **NOT** be waived under the provisions of this contract. The current privilege tax rate can be obtained from the City of Glendale Sales Tax and Licenses Department. The Contractor shall be responsible for reporting and payment of all city, county, state or federal taxes.

18. ALTERNATES: Alternate proposals will not be considered unless called for in the documents or any addenda thereto. When alternates are requested, all requested alternates or alternate bid items, unless otherwise stated, shall be bid. If no change in the base bid will occur with the alternate, enter "No Change."

19. APPROVAL OF SUBSTITUTIONS: The materials, products and equipment described in the Documents and Addenda establish a standard or required function, dimension, appearance and quality to be met by any proposed substitution. No substitute will be considered, before bid opening, unless written request for approval has been received by the City Engineer at least ten (10) working days prior to the scheduled closing time for receipt of bids. Each such request shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitute including any drawings, cuts, performance and test data and any other information necessary for evaluation of the substitute. Bidder shall not be entitled to approval of a substitute.

If a substitute is approved, the approval shall be set forth in an Addendum. Bidders shall not rely upon approvals made in any other manner.

20. USE OF "EQUALS": When the specifications for materials, articles, products and equipment state "or equal," contractor may bid upon, and use materials, articles, products and equipment which will perform equally the duties imposed by the general design. The City Engineering Department will have the final approval of all materials, articles, products and equipment proposed to be used as an "equal." It shall not be purchased or installed without the prior written approval from the City Engineering Department.

Approvals for "equals," before bid opening, may be requested in writing to the City Engineering Department for approval. Requests must be received at least ten (10) days prior to the date set for opening the Bid Proposals. The request shall state the name of the material, article, product or equipment for which the item is sought to be considered an equal and a complete description of the proposed equal including any drawings, cuts, performance and test data and any other information necessary for approval of the equal. All approvals will be issued in the form of an addendum.

21. EXAMINATION OF CONTRACT DOCUMENTS AND VISIT SITE: Before submitting a Bid Proposal, bidders should carefully examine the Contract Documents, visit the site of the work, fully inform themselves as to all existing conditions and limitations. No consideration will be granted for any alleged misunderstanding of the material, articles or piece of equipment to be furnished or work to be done. It is understood that the tender of the Bid Proposal carries with it the agreement to all items and conditions referred to herein or indicated in the Contract Documents.

22. BIDDERS IN DEFAULT: No bid will be awarded to any person, firm or corporation that is not authorized by the Arizona Corporation Commission to do business in the State of Arizona, in arrears or is in default to the City of Glendale upon any debt or contract, or that is a defaulter as surety or otherwise upon any obligation to the City of Glendale, or has failed to faithfully perform any previous contract with the City of Glendale.

END OF INFORMATION FOR BIDDERS

PROPOSAL

Place MESA, ARIZONA

Date DECEMBER 1, 2015

Proposal of UTILITY CONSTRUCTION COMPANY, INC., a Corporation organized and existing under the laws of the State of Arizona. a partnership consisting of _____; or an individual trading as _____.

TO THE HONORABLE MAYOR AND COUNCIL
CITY OF GLENDALE
GLENDALE, ARIZONA

Gentlemen:

The undersigned hereby proposes and agrees to furnish any and all required labor, materials, construction equipment, transportation and services for the construction of: **PROJECT 151607 - INFILL STREET LIGHTING INSTALLATION**, in strict conformity with the plans and specifications for the following unit prices:

(Extension of these unit prices on the basis of estimated quantities and the totaling of these extensions are for the purpose of comparing bids only. The mathematics of such extensions and totaling will be checked and corrected by the Engineering Department, before evaluating the bids, and the lowest of such corrected and checked totals will determine the lowest bids.)

Bid Schedule

PROJECT NO. 151607 - STREET AND AREA INFILL LIGHTING INSTALLATION PROGRAM

Item No.	Description	Quantity	Unit	Cost Per Unit	Total Cost
1	Construction Surveying, Staking and Layout	1	LS	\$1,000.00	\$1,000.00
2	Traffic Control (see special provision item 7) include 1 sheet plan, right Lane Closure w/ barricades and Message Board.	1	LS	\$4,500.00	\$4,500.00
3	Complete Installation LED Street Light System including labor & equipment install pole, base, luminaire, J-box w/embedment foundation (PF-1 Direct Bury) pole, arm, and fixture as shown on plans.	8	EA	\$1,900.00	\$1,900.00 \$15,200
5	Installation of Holophane Node (Part Number - REN-124-T-J50) and coordination with City's contractor to down load attribute information, once unique APS/SRP pole numbers are posted and lights energized.	8	EA	\$200.00	\$1,600.00
6	Complete Installation Street Light System (Incl all labor & equipment install J-box (J-box to be supplied by APS)	8	EA	\$300.00	\$2,400.00
7	Directional Boring (24" deep in grass/soil) & Installation Street Light Conduit	1500	LF	\$28.00	\$42,000.00
8	Supply 2.5" Schedule 40 PVC Conduit Material	1500	LF	\$4.00	\$6,000.00
9	Supply and install Wire 12 X HHW or THWN BLK	450	LF	\$0.80	\$360.00
10	Supply and install Wire 12 X HHW or THWN WHT	450	LF	\$0.80	\$360.00
11	Supply and install Wire 12 X HHW or THWN GRN	450	LF	\$0.80	\$360.00
12	Supply and install #6 wire	250	LF	\$1.50	\$375.00
13	Restore Landscape and Tree trimming, including disposal (incl. 50sf DG, 50sf. Sod and Seed	1	LS	\$1,200.00	\$1,200.00
14	Allowance for Owner Contingency	1	LS	\$10,000.00	\$10,000.00
				TOTAL	\$85,355.00

BID ALTERNATE 1 (SUBJECT TO APPROVAL OF CITY)					
Item No.	Description	Quantity	Unit	Cost Per Unit	Total Cost
1	Construction Surveying, Staking and Layout	1	LS	₱ 750.00	₱ 750.00
2	Traffic Control (see special provision item 7) include 1 sheet plan, right Lane Closure w/ barricades and Message Board.	1	LS	₱ 2,500.00	₱ 2,500.00
3	Complete Installation LED Street Light System (see attached Details, Specifications & Locations) Incl all labor & equipment install pole, base, luminaire, J-box w/embedment foundation (PF-1 Direct Bury) 1 at a time. Pole, Arm, Fixture,	2	EA	₱ 1,900.00	₱ 3,800.00
4	Complete Installation LED Street Light System (see attached Details, Specifications & Locations) Incl all labor & equipment install pole, base, luminaire, J-box w/concrete foundation (PF-2 Pole Foundation Detail) . Pole, Arm, Fixture,	1	EA	₱ 3,500.00	₱ 3,500.00
5	Installation of Holophane Node (Part Number – REN-124-T-J50) and coordination with City's contractor to down load attribute information, once unique APS/SRP pole numbers are posted and lights energized.	3	EA	₱ 200.00	₱ 600.00
6	Complete Installation Street Light System Incl all labor & equipment install J-box (J-box to be supplied by APS)	3	EA	₱ 300.00	₱ 900.00
7	Directional Boring (24" deep in grass/soil) & Installation Street Light Conduit	600	LF	₱ 28.00	₱ 16,800.00
8	Supply 2.5" Schedule 40 PVC Conduit Material	600	LF	₱ 4.00	₱ 2,400.00
9	Supply and install Wire 12 X HHW or THWN BLK	180	LF	₱ 0.80	₱ 144.00
10	Supply and install Wire 12 X HHW or THWN WHT	180	LF	₱ 0.80	₱ 144.00
11	Supply and install Wire 12 X HHW or THWN GRN	180	LF	₱ 0.80	₱ 144.00
12	Supply and install #6 wire	100	LF	₱ 1.50	₱ 150.00
13	Restore Landscape and Tree trimming, including disposal (incl. 50sf DG, 50sf. Sod and Seed	1	LS	₱ 1,200.00	₱ 1,200.00
14	Allowance for Owner Contingency	1	LS	\$5,000.00	\$5,000.00
				TOTAL	₱ 38,032.00

BID ALTERNATE 2 (SUBJECT TO APPROVAL OF CITY)					
Item No.	Description	Quantity	Unit	Cost Per Unit	Total Cost
1	Construction Surveying, Staking and Layout	1	LS	₱ 750.00	₱ 750.00
2	Traffic Control (see special provision item 7) include 1 sheet plan, right Lane Closure w/ barricades and Message Board	1	LS	₱ 2,500.00	₱ 2,500.00
3	Complete Installation LED Street Light System (see attached Details, Specifications & Locations) (Incl all labor & equipment install pole, base, luminaire, J-box w/embedment foundation (PF-1 Direct Bury) 1 at a time. Pole, Arm, Fixture,	3	EA	₱ 1,900.00	₱ 5,700.00
4	Installation of Holophane Node (Part Number – REN-124-T-J50) and coordination with City's contractor to down load attribute information, once unique APS/SRP pole numbers are posted and lights energized.	3	EA	₱ 200.00	₱ 600.00
5	Complete Installation Street Light System (Incl all labor & equipment install J-box (J-box to be supplied by APS)	3	EA	₱ 300.00	₱ 900.00
6	Directional Boring (24" deep in grass/soil) & Installation Street Light Conduit	600	LF	₱ 28.00	₱ 16,800.00
7	Supply 2.5" Schedule 40 PVC Conduit Material	600	LF	₱ 4.00	₱ 2,400.00
8	Supply and install Wire 12 X HHW or THWN BLK	180	LF	₱ 0.80	₱ 144.00
9	Supply and install Wire 12 X HHW or THWN WHT	180	LF	₱ 0.80	₱ 144.00
10	Supply and install Wire 12 X HHW or THWN GRN	180	LF	₱ 0.80	₱ 144.00
11	Supply and install #6 wire	100	LF	₱ 1.50	₱ 150.00
12	Restore Landscape and Tree trimming, including disposal (incl. 50sf DG, 50sf. Sod and Seed	1	LS	₱ 1,200.00	₱ 1,200.00
13	Allowance for Owner Contingency	1	LS	\$5,000.00	\$5,000.00
				TOTAL	₱ 36,432.00

The undersigned hereby declares that he has visited the site(s) and has carefully examined the contract documents relating to the work covered by the above bid or bids.

Upon receipt of notice of the acceptance of this bid, we will execute the formal contract attached within ten (10) days, and will deliver a one hundred percent (100%) Performance Bond for the faithful performance of this Contract, together with a one hundred percent (100%) Payment Bond and Certificate of Insurance.

The bid security attached, with endorsement, in the sum of ten percent (10%) of the total bid, is to become the property of the City of Glendale, Arizona, in the event the Contract and Bonds are not executed within the time set forth, as liquidated damages for the delay and additional work caused thereby.

The undersigned has checked carefully all the above figures and understands that the City of Glendale, Arizona, will not be responsible for any errors or omissions on the part of the undersigned in making up this bid.

The undersigned understands that the Mayor and Council of the City of Glendale, Arizona, reserves the right to reject any or all bids or to waive any informalities or irregularities in the bid.

Respectfully submitted,

Arizona Contractor's
Classification and
License No.

A-GENERAL
ROC 124023

UTILITY CONSTRUCTION COMPANY, INC.
Contractor

By 

P.O. Box 1774
GILBERT, AZ 85299
(Complete business address)

Telephone Number: (480) 654-3100
Fax Number (480) 654-8374

Bidder shall signify receipt of all Addenda here (if any):

1 - NOVEMBER 12, 2015

Failure to acknowledge receipt of all Addenda shall render the bid proposal non-responsive and will be rejected.

Acknowledged by 

CITY CLERK
ORIGINAL CONSTRUCTION AGREEMENT

This Construction Agreement ("Agreement") is entered into and effective between the CITY OF GLENDALE, an Arizona municipal corporation ("City"), and Utility Construction Company, Inc. an Arizona corporation, authorized to do business in Arizona ("Contractor") as of the 29 day of January, 2016.

RECITALS

- A. City intends to undertake a project for the benefit of the public and with public funds that is more fully set forth in the **Notice to Contractors** and the attached **Exhibit A** ("Project");
- B. City desires to retain the services of Contractor to perform those specific duties and produce the specific work as set forth in the Project, the plans and specifications, the **Information for Bidders**, and the **Maricopa Association of Governments** ("MAG") **General and Supplemental Conditions and Provisions**;
- C. City and Contractor desire to memorialize their agreement with this document.

AGREEMENT

In consideration of the Recitals, which are confirmed as true and correct and incorporated by this reference, the mutual promises and covenants contained in this Agreement, and other good and valuable consideration, City and Contractor agree as follows:

1. Project.

1.1 Scope. Contractor will provide all services and material necessary to assure the Project is completed timely and efficiently consistent with Project requirements, including, but not limited to, working in close interaction and interfacing with City and its designated employees, and working closely with others, including other contractors, providers or consultants retained by City.

1.2 Documents. The following documents are, by this reference, entirely incorporated into this Agreement and attached Exhibits as though fully set forth herein:

- (A) Notice to Contractors;
- (B) Information for Bidders;
- (C) MAG General Conditions, Supplemental General Conditions, Special and Technical Provisions;
- (D) Proposal;
- (E) Bid Bond;
- (F) Payment Bond;
- (G) Performance Bond;
- (H) Certificate of Insurance;
- (I) Appendix; and
- (J) Plans and Addenda thereto.

Should a conflict exist between this Agreement (and its attachments), and any of the incorporated documents as listed above, the provisions of this Agreement shall govern.

1.3 Project Team.

(A) Project Manager. Contractor will designate an employee as Project Manager with sufficient training, knowledge, and experience to, in the City's opinion, to complete the project and handle all aspects of the Project such that the work produced by Contractor is consistent with applicable standards as detailed in this Agreement.

(B) Project Team.

- (1) The Project manager and all other employees assigned to the project by Contractor will comprise the "Project Team."
- (2) Project Manager will have responsibility for and will supervise all other employees assigned to the project by Contractor.

(C) Sub-contractors.

- (1) Contractor may engage specific technical contractor (each a "Sub-contractor") to furnish certain service functions.
- (2) Contractor will remain fully responsible for Sub-contractor's services.
- (3) Sub-contractors must be approved by the City, unless the Sub-contractor was previously mentioned in the response to the solicitation.
- (4) Contractor shall certify by letter that contracts with Sub-contractors have been executed incorporating requirements and standards as set forth in this Agreement.

2. **Schedule.** The Project will be undertaken in a manner that ensures it is completed in a timely and efficient manner. If not otherwise stated in **Exhibit A**, the Project shall be completed by no later than within Sixty (60) consecutive calendar days from and including the date of receipt of such Notice to Proceed.

3. **Contractor's Work.**

3.1 **Standard.** Contractor must perform services in accordance with the standards of due diligence, care, and quality prevailing among contractors having substantial experience with the successful furnishing of services and materials for projects that are equivalent in size, scope, quality, and other criteria under the Project and identified in this Agreement.

3.2 **Licensing.** Contractor warrants that:

- (A) Contractor and Sub-contractors will hold all appropriate and required licenses, registrations and other approvals necessary for the lawful furnishing of services ("Approvals"); and
- (B) Neither Contractor nor any Sub-contractor has been debarred or otherwise legally excluded from contracting with any federal, state, or local governmental entity ("Debarment").
 - (1) City is under no obligation to ascertain or confirm the existence or issuance of any Approvals or Debarments or to examine Contractor's contracting ability.
 - (2) Contractor must notify City immediately if any Approvals or Debarment changes during the Agreement's duration and the failure of the Contractor to notify City as required will constitute a material default of this Agreement.

3.3 **Compliance.** Services and materials will be furnished in compliance with applicable federal, state, county and local statutes, rules, regulations, ordinances, building codes, life safety codes, or other standards and criteria designated by City.

3.4 **Coordination; Interaction.**

- (A) If the City determines that the Project requires the coordination of professional services or other providers, Contractor will work in close consultation with City to proactively interact with any other contractors retained by City on the Project ("Coordinating Entities").
- (B) Subject to any limitations expressly stated in the budget, Contractor will meet to review the Project, schedules, budget, and in-progress work with Coordinating Entities and the City as often and for durations as City reasonably considers necessary in order to ensure the timely work delivery and Project completion.
- (C) If the Project does not involve Coordinating Entities, Contractor will proactively interact with any other contractors when directed by City to obtain or disseminate timely information for the proper execution of the Project.

3.5 **Hazardous Substances.** Contractor is responsible for the appropriate handling, disposal of, and if necessary, any remediation and all losses and damages to the City, associated with the use or release of hazardous substances by Contractor in connection with completion of the Project.

Project 151607

- 3.6 **Warranties.** At any time within two years after completion of the Project, Contractor must, at Contractor's sole expense and within 20 days of written notice from the City, uncover, correct and remedy all defects in Contractor's work. City will accept a manufacturer's warranty on approved equipment as satisfaction of the Contractor's warranty under this subsection.
- 3.7. **Bonds.** Upon execution of this Agreement, and if applicable, Contractor must furnish Payment and Performance bonds as required under A.R.S. § 34-608.

4. **Compensation for the Project.**

- 4.1 **Compensation.** Contractor's compensation for the Project, including those furnished by its Sub-contractors will not exceed \$85,355.00, as specifically detailed in the Contractor's bid and set forth in **Exhibit B** ("Compensation").
- 4.2 **Change in Scope of Project.** The Compensation may be equitably adjusted if the originally contemplated scope of services as outlined in the Project is significantly modified by the City.
- (A) Adjustments to the Scope or Compensation require a written amendment to this Agreement and may require City Council approval.
- (B) Additional services which are outside the scope of the Project and not contained in this Agreement may not be performed by the Contractor without prior written authorization from the City.

5. **Billings and Payment.**

5.1 **Applications.**

- (A) The Contractor will submit monthly invoices (each, a "Payment Application") to City's Project Manager and City will remit payments based upon the Payment Application as stated below.
- (B) The period covered by each Payment Application will be one calendar month ending on the last day of the month.

5.2 **Payment.**

- (A) After a full and complete Payment Application is received, City will process and remit payment within 30 days.
- (B) Payment may be subject to or conditioned upon City's receipt of:
- (1) Completed work generated by Contractor and its Sub-contractors; and
- (2) Unconditional waivers and releases on final payment from Sub-contractors as City may reasonably request to assure the Project will be free of claims arising from required performances under this Agreement.

5.3 **Review and Withholding.** City's Project Manager will timely review and certify Payment Applications.

- (A) If the Payment Application is rejected, the Project Manager will issue a written listing of the items not approved for payment.
- (B) City may withhold an amount sufficient to pay expenses that City reasonably expects to incur in correcting the deficiency or deficiencies rejected for payment.
- (C) Contractor will provide, by separate cover, and concurrent with the execution of this Agreement, all required financial information to the City, including City of Glendale Transaction Privilege License and Federal Taxpayer identification numbers.
- (D) City will temporarily withhold Compensation amounts as required by A.R.S. 34-221(C).

6. **Termination.**

6.1 **For Convenience.** City may terminate this Agreement for convenience, without cause, by delivering a written termination notice stating the effective termination date, which may not be less than 15 days following the date of delivery.

- (A) Contractor will be equitably compensated any services and materials furnished prior to receipt of the termination notice and for reasonable costs incurred.
- (B) Contractor will also be similarly compensated for any approved effort expended and approved costs incurred that are directly associated with Project closeout and delivery of the required items to the City.

6.2 **For Cause.** City may terminate this Agreement for cause if Contractor fails to cure any breach of this Agreement within seven days after receipt of written notice specifying the breach.

- (A) Contractor will not be entitled to further payment until after City has determined its damages. If City's damages resulting from the breach, as determined by City, are less than the equitable amount due but not paid Contractor for Service and Repair furnished, City will pay the amount due to Contractor, less City's damages.
- (B) If City's direct damages exceed amounts otherwise due to Contractor, Contractor must pay the difference to City immediately upon demand; however, Contractor will not be subject to consequential damages more than \$1,000,000 or the amount of this Agreement, whichever is greater.

7. **Insurance.**

7.1 **Requirements.** Contractor must obtain and maintain the following insurance ("Required Insurance"):

- (A) Contractor and Sub-contractors. Contractor, and each Sub-contractor performing work or providing materials related to this Agreement must procure and maintain the insurance coverages described below (collectively, "Contractor's Policies"), until each Parties' obligations under this Agreement are completed.
- (B) General Liability.
 - (1) Contractor must at all times relevant hereto carry a commercial general liability policy with a combined single limit of at least \$1,000,000 per occurrence and \$2,000,000 annual aggregate.
 - (2) Sub-contactors must at all times relevant hereto carry a general commercial liability policy with a combined single limit of at least \$1,000,000 per occurrence.
 - (3) This commercial general liability insurance must include independent contractors' liability, contractual liability, broad form property coverage, products and completed operations, XCU hazards if requested by the City, and a separation of insurance provision.
 - (4) These limits may be met through a combination of primary and excess liability coverage.
- (C) Auto. A business auto policy providing a liability limit of at least \$1,000,000 per accident for Contractor and 1,000,000 per accident for Sub-contractors and covering owned, non-owned and hired automobiles.
- (D) Workers' Compensation and Employer's Liability. A workers' compensation and employer's liability policy providing at least the minimum benefits required by Arizona law.
- (E) Equipment Insurance. Contractor must secure, pay for, and maintain all-risk insurance as necessary to protect the City against loss of owned, non-owned, rented or leased capital equipment and tools, equipment and scaffolding, staging, towers and forms owned or rented by Contractor or its Sub-contractors.

- (F) Notice of Changes. Contractor's Policies must provide for not less than 30 days' advance written notice to City Representative of:
 - (1) Cancellation or termination of Contractor or Sub-contractor's Policies;
 - (2) Reduction of the coverage limits of any of Contractor or and Sub-contractor's Policies; and
 - (3) Any other material modification of Contractor or Sub-contractor's Policies related to this Agreement.

- (G) Certificates of Insurance.
 - (1) Within 10 business days after the execution of the Agreement, Contractor must deliver to City Representative certificates of insurance for each of Contractor and Sub-contractor's Policies, which will confirm the existence or issuance of Contractor and Sub-contractor's Policies in accordance with the provisions of this section, and copies of the endorsements of Contractor and Sub-contractor's Policies in accordance with the provisions of this section.
 - (2) City is and will be under no obligation either to ascertain or confirm the existence or issuance of Contractor and Sub-contractor's Policies, or to examine Contractor and Sub-contractor's Policies, or to inform Contractor or Sub-contractor in the event that any coverage does not comply with the requirements of this section.
 - (3) Contractor's failure to secure and maintain Contractor Policies and to assure Sub-contractor policies as required will constitute a material default under this Agreement.

- (H) Other Contractors or Vendors.
 - (1) Other contractors or vendors that may be contracted by Contractor with in connection with the Project must procure and maintain insurance coverage as is appropriate to their particular agreement.
 - (2) This insurance coverage must comply with the requirements set forth above for Contractor's Policies (e.g., the requirements pertaining to endorsements to name the parties as additional insured parties and certificates of insurance).

- (I) Policies. Except with respect to workers' compensation and employer's liability coverages, the City must be named and properly endorsed as additional insureds on all liability policies required by this section.
 - (1) The coverage extended to additional insureds must be primary and must not contribute with any insurance or self insurance policies or programs maintained by the additional insureds.
 - (2) All insurance policies obtained pursuant to this section must be with companies legally authorized to do business in the State of Arizona and acceptable to all parties.

7.2 Sub-contractors.

- (A) Contractor must also cause its Sub-contractors to obtain and maintain the Required Insurance.
- (B) City may consider waiving these insurance requirements for a specific Sub-contractor if City is satisfied the amounts required are not commercially available to the Sub-contractor and the insurance the Sub-contractor does have is appropriate for the Sub-contractor's work under this Agreement.
- (C) Contractor and Sub-contractors must provide to the City proof of Required Insurance whenever requested.

7.3 Indemnification.

- (A) To the fullest extent permitted by law, Contractor must defend, indemnify, and hold harmless City and its elected officials, officers, employees and agents (each, an "Indemnified Party," collectively, the

"Indemnified Parties"), for, from, and against any and all claims, demands, actions, damages, judgments, settlements, personal injury (including sickness, disease, death, and bodily harm), property damage (including loss of use), infringement, governmental action and all other losses and expenses, including attorneys' fees and litigation expenses (each, a "Demand or Expense"; collectively, "Demands or Expenses") asserted by a third-party (i.e. a person or entity other than City or Contractor) and that arises out of or results from the breach of this Agreement by the Contractor or the Contractor's negligent actions, errors or omissions (including any Sub-contractor or other person or firm employed by Contractor), whether sustained before or after completion of the Project.

- (B) This indemnity and hold harmless policy applies even if a Demand or Expense is in part due to the Indemnified Party's negligence or breach of a responsibility under this Agreement, but in that event, Contractor shall be liable only to the extent the Demand or Expense results from the negligence or breach of a responsibility of Contractor or of any person or entity for whom Contractor is responsible.
- (C) Contractor is not required to indemnify any Indemnified Parties for, from, or against any Demand or Expense resulting from the Indemnified Party's sole negligence or other fault solely attributable to the Indemnified Party.

7.4 **Waiver of Subrogation.** Contractor waives, and will require any Subcontractor to waive, all rights of subrogation against the City to the extent of all losses or damages covered by any policy of insurance.

8. Immigration Law Compliance.

- 8.1 Contractor, and on behalf any subcontractor, warrants, to the extent applicable under A.R.S. § 41-4401, compliance with all federal immigration laws and regulations that relate to their employees as well as compliance with A.R.S. § 23-214(A) which requires registration and participation with the E-Verify Program.
- 8.2 Any breach of warranty under subsection 8.1 above is considered a material breach of this Agreement and is subject to penalties up to and including termination of this Agreement.
- 8.3 City retains the legal right to inspect the papers of any Contractor or subcontractor employee who performs work under this Agreement to ensure that the Contractor or any subcontractor is compliant with the warranty under subsection 8.1 above.
- 8.4 City may conduct random inspections, and upon request of City, Contractor shall provide copies of papers and records of Contractor demonstrating continued compliance with the warranty under subsection 8.1 above. Contractor agrees to keep papers and records available for inspection by the City during normal business hours and will cooperate with City in exercise of its statutory duties and not deny access to its business premises or applicable papers or records for the purposes of enforcement of this section 8.
- 8.5 Contractor agrees to incorporate into any subcontracts under this Agreement the same obligations imposed upon Contractor and expressly accrue those obligations directly to the benefit of the City. Contractor also agrees to require any subcontractor to incorporate into each of its own subcontracts under this Agreement the same obligations above and expressly accrue those obligations to the benefit of the City.
- 8.6 Contractor's warranty and obligations under this section to the City is continuing throughout the term of this Agreement or until such time as the City determines, in its sole discretion, that Arizona law has been modified in that compliance with this section is no longer a requirement.
- 8.7 The "E-Verify Program" above means the employment verification program administered by the United States Department of Homeland Security, the Social Security Administration, or any successor program.

9. **Conflict.** Contractor acknowledges this Agreement is subject to A.R.S. § 38-511, which allows for cancellation of this Agreement in the event any person who is significantly involved in initiating, negotiating, securing, drafting, or creating the Agreement on City's behalf is also an employee, agent, or consultant of any other party to this Agreement.

10. **Non-Discrimination Policies.** Contractor must not discriminate against any employee or applicant for employment on the basis of race, religion, color sex or national origin. Contractor must develop, implement and maintain non-discrimination policies and post the policies in conspicuous places visible to employees and applicants for employment. Contractor will require any Sub-contractor to be bound to the same requirements as stated within this section.

11. Notices.

11.1 A notice, request or other communication that is required or permitted under this Agreement (each a "Notice") will be effective only if:

- (A) The Notice is in writing, and
- (B) Delivered in person or by private express overnight delivery service (delivery charges prepaid), certified or registered mail (return receipt requested).
- (C) Notice will be deemed to have been delivered to the person to whom it is addressed as of the date of receipt, if:
 - (1) Received on a business day, or before 5:00 p.m., at the address for Notices identified for the Party in this Agreement by U.S. Mail, hand delivery, or overnight courier on or before 5:00 p.m.; or
 - (2) As of the next business day after receipt, if received after 5:00 p.m.
- (D) The burden of proof of the place and time of delivery is upon the Party giving the Notice.
- (E) Digitalized signatures and copies of signatures will have the same effect as original signatures.

11.2 Representatives.

(A) Contractor. Contractor's representative ("Contractor's Representative") authorized to act on Contractor's behalf with respect to the Project, and his or her address for Notice delivery is:

Utility Construction Company, Inc.
Attn: Bob Martin
P.O. Box 1774
Gilbert, Arizona 85299

(B) City. City's representative ("City's Representative") authorized to act on City's behalf, and his or her address for Notice delivery is:

City of Glendale
Attn: Mark Gibson
5850 West Glendale Avenue
Glendale, Arizona 85301

With required copies to:

City of Glendale
City Manager
5850 West Glendale Avenue
Glendale, Arizona 85301

City of Glendale
City Attorney
5850 West Glendale Avenue
Glendale, Arizona 85301

(C) Concurrent Notices.

- (1) All notices to City's representative must be given concurrently to City Manager and City Attorney.
- (2) A notice will not be considered to have been received by City's representative until the time that it has also been received by City Manager and City Attorney.
- (3) City may appoint one or more designees for the purpose of receiving notice by delivery of a written notice to Contractor identifying the designee(s) and their respective addresses for notices.

(D) **Changes.** Contractor or City may change its representative or information on Notice, by giving Notice of the change in accordance with this section at least ten days prior to the change.

12. **Financing Assignment.** City may assign this Agreement to any City-affiliated entity, including a non-profit corporation or other entity whose primary purpose is to own or manage the Project.

13. **Entire Agreement; Survival; Counterparts; Signatures.**

13.1 **Integration.** This Agreement contains, except as stated below, the entire agreement between City and Contractor and supersedes all prior conversations and negotiations between the parties regarding the Project or this Agreement.

(A) Neither Party has made any representations, warranties or agreements as to any matters concerning the Agreement's subject matter.

(B) Representations, statements, conditions, or warranties not contained in this Agreement will not be binding on the parties.

(C) Any solicitation, addendums and responses submitted by the Contractor are incorporated fully into this Agreement as Exhibit A. Any inconsistency between Exhibit A and this Agreement will be resolved by the terms and conditions stated in this Agreement.

13.2 **Interpretation.**

(A) The parties fairly negotiated the Agreement's provisions to the extent they believed necessary and with the legal representation they deemed appropriate.

(B) The parties are of equal bargaining position and this Agreement must be construed equally between the parties without consideration of which of the parties may have drafted this Agreement.

(C) The Agreement will be interpreted in accordance with the laws of the State of Arizona.

13.3 **Survival.** Except as specifically provided otherwise in this Agreement each warranty, representation, indemnification and hold harmless provision, insurance requirement, and every other right, remedy and responsibility of a Party, will survive completion of the Project, or the earlier termination of this Agreement.

13.4 **Amendment.** No amendment to this Agreement will be binding unless in writing and executed by the parties. Any amendment may be subject to City Council approval.

13.5 **Remedies.** All rights and remedies provided in this Agreement are cumulative and the exercise of any one or more right or remedy will not affect any other rights or remedies under this Agreement or applicable law.

13.6 **Severability.** If any provision of this Agreement is voided or found unenforceable, that determination will not affect the validity of the other provisions, and the voided or unenforceable provision will be reformed to conform to applicable law.

14.7 **Counterparts.** This Agreement may be executed in counterparts, and all counterparts will together comprise one instrument.

14. **Dispute Resolution.** Each claim, controversy and dispute ("Dispute") between Contractor and City will be resolved in accordance with Exhibit C. The final determination will be made by the City.

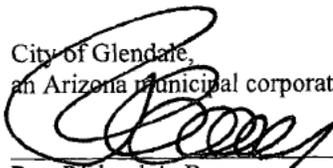
15. **Exhibits.** The following exhibits, with reference to the term in which they are first referenced, are incorporated by this reference.

Exhibit A	Project
Exhibit B	Compensation
Exhibit C	Dispute Resolution

Project 151607

The parties enter into this Agreement as of the date shown above.

City of Glendale,
an Arizona municipal corporation


By: Richard A. Bowers
Its: Acting City Manager

ATTEST:

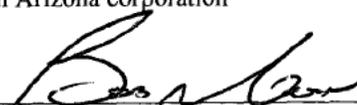

City Clerk

(SEAL)

APPROVED AS TO FORM:


City Attorney

Utility Construction Company, Inc.
an Arizona corporation


By: Robert Martin
Its: Vice President

WOMEN-OWNED/MINORITY BUSINESS YES NO

CITY OF GLENDALE TRANSACTION PRIVILEGE TAX NO. 

FEDERAL TAXPAYER IDENTIFICATION NO. 86-0810765

Project 151607

**EXHIBIT A
CONSTRUCTION AGREEMENT**

PROJECT

Installation and energization of infill streetlights within the City, per project specifications. Locations are distributed throughout Glendale but within the APS service area. Contractor is to provide all labor and material.

Project 151607

**EXHIBIT B
CONSTRUCTION AGREEMENT**

COMPENSATION

METHOD AND AMOUNT OF COMPENSATION

By bid, including all services, materials and costs.

NOT-TO-EXCEED AMOUNT

The total amount of compensation paid to Contractor for full completion of all work required by the Project during the entire term of the Project must not exceed \$85,355.00.

DETAILED PROJECT COMPENSATION

Award of Base Bid only, in the amount of \$85,355. Shown in detail on the Bid Schedule.

**EXHIBIT C
CONSTRUCTION AGREEMENT**

DISPUTE RESOLUTION

1. Disputes.

- 1.1 **Commitment.** The parties commit to resolving all disputes promptly, equitably, and in a good-faith, cost-effective manner.
- 1.2 **Application.** The provisions of this Exhibit will be used by the parties to resolve all controversies, claims, or disputes ("Dispute") arising out of or related to this Agreement-including Disputes regarding any alleged breaches of this Agreement.
- 1.3 **Initiation.** A party may initiate a Dispute by delivery of written notice of the Dispute, including the specifics of the Dispute, to the Representative of the other party as required in this Agreement.
- 1.4 **Informal Resolution.** When a Dispute notice is given, the parties will designate a member of their senior management who will be authorized to expeditiously resolve the Dispute.
 - (A) The parties will provide each other with reasonable access during normal business hours to any and all non-privileged records, information and data pertaining to any Dispute in order to assist in resolving the Dispute as expeditiously and cost effectively as possible;
 - (B) The parties' senior managers will meet within 10 business days to discuss and attempt to resolve the Dispute promptly, equitably, and in a good faith manner, and
 - (C) The Senior Managers will agree to subsequent meetings if both parties agree that further meetings are necessary to reach a resolution of the Dispute.

2. Arbitration.

- 2.1 **Rules.** If the parties are unable to resolve the Dispute by negotiation within 30 days from the Dispute notice, and unless otherwise informal discussions are extended by the mutual agreement, the Dispute will be decided by binding arbitration in accordance with Construction Industry Rules of the AAA, as amended herein. Although the arbitration will be conducted in accordance with AAA Rules, it will not be administered by the AAA, but will be heard independently.
 - (A) The parties will exercise best efforts to select an arbitrator within 5 business days after agreement for arbitration. If the parties have not agreed upon an arbitrator within this period, the parties will submit the selection of the arbitrator to one of the principals of the mediation firm of Scott & Skelly, LLC, who will then select the arbitrator. The parties will equally share the fees and costs incurred in the selection of the arbitrator.
 - (B) The arbitrator selected must be an attorney with at least 15 years experience with commercial construction legal matters in Maricopa County, Arizona, be independent, impartial, and not have engaged in any business for or adverse to either Party for at least 10 years.
- 2.2 **Discovery.** The extent and the time set for discovery will be as determined by the arbitrator. Each Party must, however, within ten (10) days of selection of an arbitrator deliver to the other Party copies of all documents in the delivering party's possession that are relevant to the dispute.
- 2.3 **Hearing.** The arbitration hearing will be held within 90 days of the appointment of the arbitrator. The arbitration hearing, all proceedings, and all discovery will be conducted in Glendale, Arizona unless otherwise agreed by the parties or required as a result of witness location. Telephonic hearings and other reasonable arrangements may be used to minimize costs.
- 2.4 **Award.** At the arbitration hearing, each Party will submit its position to the arbitrator, evidence to support that position, and the exact award sought in this matter with specificity. The arbitrator must select the award sought

Project 151607

by one of the parties as the final judgment and may not independently alter or modify the awards sought by the parties, fashion any remedy, or make any equitable order. The arbitrator has no authority to consider or award punitive damages.

2.5 Final Decision. The Arbitrator's decision should be rendered within 15 days after the arbitration hearing is concluded. This decision will be final and binding on the Parties.

2.6 Costs. The prevailing party may enter the arbitration in any court having jurisdiction in order to convert it to a judgment. The non-prevailing party shall pay all of the prevailing party's arbitration costs and expenses, including reasonable attorney's fees and costs.

3. **Services to Continue Pending Dispute.** Unless otherwise agreed to in writing, Contractor must continue to perform and maintain progress of required services during any Dispute resolution or arbitration proceedings, and City will continue to make payment to Contractor in accordance with this Agreement.

4. **Exceptions.**

4.1 Third Party Claims. City and Contractor are not required to arbitrate any third-party claim, cross-claim, counter claim, or other claim or defense of a third-party who is not obligated by contract to arbitrate disputes with City and Contractor.

4.2 Liens. City or Contractor may commence and prosecute a civil action to contest a lien or stop notice, or enforce any lien or stop notice, but only to the extent the lien or stop notice the Party seeks to enforce is enforceable under Arizona Law, including, without limitation, an action under A.R.S. § 33-420, without the necessity of initiating or exhausting the procedures of this Exhibit.

4.3 Governmental Actions. This Exhibit does not apply to, and must not be construed to require arbitration of, any claims, actions or other process filed or issued by City of Glendale Building Safety Department or any other agency of City acting in its governmental permitting or other regulatory capacity.

INDIVIDUAL SURETIES WILL NOT BE ACCEPTED
STATUTORY PERFORMANCE BOND PURSUANT TO TITLE 34,
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract Amount)

KNOW ALL MEN BY THESE PRESENTS:

That Utility Construction Company, Inc. (hereinafter called the Principal), as Principal, and
, a corporation organized and existing under the laws of the State of Arizona with its principal office in the
City of Gilbert, (hereinafter called the Surety), as Surety, are held and firmly bound unto the City of
Glendale, a municipal corporation, (hereinafter called the Obligee), in the amount of
Eighty Five Thousand Three Hundred Fifty Five Dollars (\$85,355.00), for the
payment whereof; the said Principal and Surety bind themselves, and their heirs, administrators, successors and
assigns, jointly and severally, firmly by these presents.

WHEREAS, The Principal has entered into a certain written contract with the Obligee, dated the 29 day of
January, 2016, to construct **PROJECT 151607 - INFILL STREET LIGHTING INSTALLATION**, which
contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length
herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall
faithfully perform and fulfill all undertakings, covenants, terms, conditions and agreements of said contract
during the original term of said contract any extension thereof, with or without notice to the Surety, and during
the life of any guaranty required under the contract and shall also perform and fulfill all the undertakings,
covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that
may hereafter be made, notice of which modifications to the Surety being hereby waived; then the above
obligation shall be void, otherwise to remain in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article
2, of the Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the
provisions of said Title, Chapter, and Article, to the extent as if it were copied at length herein.

The prevailing party or any party which recovers judgment on this bond shall be entitled to such reasonable
attorney's fees as may be fixed by the court or a judge thereof.

Witness our hands this 8 day of February, 2016.

Utility Construction Company, Inc.
Principal Seal

By [Signature]

[Signature] Mark D. Pichowski, Attorney-In-Fact
Surety United States Fire Insurance Company Seal

Bouchard Insurance
Agency of Record

P.O. Box 6090 Clearwater, FL 33758
Agency Address

Telephone Number: 727-447-6481

INDIVIDUAL SURETIES WILL NOT BE ACCEPTED
STATUTORY PAYMENT BOND PURSUANT TO TITLE 34,
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract Amount)

KNOW ALL MEN BY THESE PRESENTS:

That, Utility Construction Company, Inc. (hereinafter called the Principal), as Principal, and
, a corporation organized and existing under the laws of the State of Arizona with its principal
office in the City of Gilbert, (hereinafter called the Surety), as Surety, are held and firmly
bound unto the City of Glendale, a municipal corporation, (hereinafter called the Obligee), in the
amount of ^{Eighty Five Thousand Three}~~Hundred Fifty Five~~ Dollars (\$ 85,355), for the payment whereof; the said Principal and
Surety bind themselves, and their heirs, administrators, successors and assigns, jointly and severally,
firmly by these presents.

29 WHEREAS, The Principal has entered into a certain written contract with the Obligee, dated the
day of January, 20 16, to construct **PROJECT 151607 - INFILL STREET LIGHTING**
INSTALLATION which contract is hereby referred to and made a part hereof as fully and to the
same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said
Principal shall promptly pay all monies due to all persons supplying labor or materials to him or his
subcontractors in the prosecution of the work provided for in said Contract, then this obligation shall
be void, otherwise to remain in full force and effect.

PROVIDED, HOWEVER, that this bond having been required of the said Principal in order to
comply with the provisions of Title 34, Chapter 2, Article 2, of the Arizona Revised Statutes, all
rights and remedies on this bond shall inure solely to such persons and shall be determined in
accordance with the provisions, conditions, and limitations of said Title, Chapter and Article, to the
same extent as if they were copied at length herein.

The prevailing party or any party which recovers judgment on this bond shall be entitled to such
reasonable attorney's fees as may be fixed by the court or a judge thereof.

Witness our hands this 8 day of February, 20 16.

Principal Utility Construction Company, Inc. Seal

By _____



Mark D. Pichowski, Attorney-In-Fact

Surety United States Fire Insurance Company Seal

Bouchard Insurance
Agency of Record

Agency

Address

P.O. Box 6090 Clearwater, FL 33758

Telephone 727-447-6481

POWER OF ATTORNEY
UNITED STATES FIRE INSURANCE COMPANY
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY

6890

KNOW ALL MEN BY THESE PRESENTS: That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint:

Mark D. Pichowski, Nancy Sheinberg, Todd George

each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties not exceeding: **Seven Million, Five Hundred Thousand Dollars (\$7,500,000).**

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney revokes all previous Powers of Attorney issued on behalf of the Attorneys-In-Fact named above and expires on January 1, 2016.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof, which Articles provide, in pertinent part:

Article IV, Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:

- (a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;
- (b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.

Article III, Officers, Section 3.11, Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 5th day of August, 2015.

UNITED STATES FIRE INSURANCE COMPANY



State of New Jersey }
County of Morris }

Anthony R. Slimowicz, Senior Vice President

On this 5th day of August, 2015 before me, a Notary public of the State of New Jersey, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.



SONIA SCALA
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES 3/25/2019

Sonia Scala

(Notary Public)

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the 8 day of February, 2016

UNITED STATES FIRE INSURANCE COMPANY



Al Wright, Senior Vice President



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/8/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Crest Insurance Group, LLC 5285 E Williams Cir. Ste 4500 Tucson AZ 85711	CONTACT NAME: Jennifer Karcher PHONE (A/C, No, Ext): 480-689-5339 E-MAIL ADDRESS: jkarcher@crestins.com FAX (A/C, No):
	INSURER(S) AFFORDING COVERAGE
INSURED 70UTILCON Utility Construction Company, Inc PO Box 1774 Gilbert AZ 85299	INSURER A: Valley Forge Insurance Company NAIC # 20508
	INSURER B: Westfield Insurance Company 24112
	INSURER C: First Mercury Insurance 10657
	INSURER D: Transportation Insurance Co. 20494
	INSURER E: American Casualty Ins. Co.
INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 143693440 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> 5,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	Y	Y	6014740478	4/1/2015	4/1/2016	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COM/OP AGG \$2,000,000 \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	Y	Y	TRA3855642	4/1/2015	4/1/2016	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			CAEX000005309501	4/1/2015	4/1/2016	EACH OCCURRENCE \$3,000,000 AGGREGATE \$3,000,000 \$
A D	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y	N/A	6014740481 6014740495	4/1/2015 4/1/2015	4/1/2016 4/1/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
E	Inland Marine			5099691802	4/1/2015	4/1/2016	Rented/Leased Equipme \$250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate holder and others when required in a written contract or agreement are Additional Insured (General Liability & Automobile Liability) including Products Completed. Coverage is Primary & Non-Contributory (General Liability). Waiver of Subrogation (General Liability, Automobile Liability & Workers Compensation) applies. This form is subject to all policy forms, terms, endorsements, conditions definitions & exclusions.
Project No. 151607, Infill Street Lighting Installation

CERTIFICATE HOLDER City of Glendale Engineering Department 5850 W. Glendale Ave. Glendale AZ 85301	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Cody Ritchie</i>
---	---

© 1988-2014 ACORD CORPORATION. All rights reserved.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ANY PERSON OR ORGANIZATION ON WHOSE BEHALF YOU ARE REQUIRED TO OBTAIN THIS WAIVER OF OUR RIGHT TO RECOVER FROM UNDER A WRITTEN CONTRACT OR AGREEMENT.

2002009580 14740495 1847



This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective	Policy No.	Endorsement No.
Insured		Premium \$

Insurance Company

Countersigned by _____

25. WAIVER OF SUBROGATION - BLANKET

Under SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, The Transfer Of Rights Of Recovery Against Others To Us Condition is amended by the addition of the following:

We waive any right of recovery we may have against any person or organization because of payments we make for injury or damage arising out of:

1. Your ongoing operations; or
2. "Your work" included in the "products completed operations hazard."

However, this waiver applies only when you have agreed in writing to waive such rights of recovery in a contract or agreement, and only if the contract or agreement:

1. Is in effect or becomes effective during the term of this policy; and
2. Was executed prior to loss.

26. WRAP-UP EXTENSION: OWNER CONTROLLED INSURANCE PROGRAM, CONTRACTOR CONTROLLED INSURANCE PROGRAM OR CONSOLIDATED (WRAP-UP) INSURANCE PROGRAMS

Note: The following provision does not apply to any public construction project in the state of Oklahoma, nor to any construction project in the state of Alaska, that is not permitted to be insured under a "consolidated (wrap-up) insurance program" by applicable state statute or regulation:

If the endorsement EXCLUSION – CONSTRUCTION WRAP-UP or another exclusionary endorsement pertaining to Owner Controlled Insurance Programs (O.C.I.P.) or Contractor Controlled Insurance Programs (C.C.I.P.) is attached to this policy, then the following changes apply:

- A. The following wording is added to the endorsement:

With respect to a "consolidated (wrap-up) insurance program" project in which you are or were involved, this exclusion does not apply to those sums you become legally obligated to pay as damages because of:

1. "Bodily injury," "property damage," or "personal or advertising injury" that occurs during your ongoing operations at the project,

or during such operations of anyone acting on your behalf; nor

2. "Bodily injury" or "property damage" included within the "products-completed operations hazard" that arises out of those portions of the project that are not "residential structures."

- B. SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS is amended to add the following subparagraph 4.b.(1)(c) to Condition 4. **Other Insurance:**

[This insurance is excess over:]

- (c) Any of the other insurance whether primary, excess, contingent or any other basis that is insurance available to you as a result of your being a participant in a "consolidated (wrap-up) insurance program," but only as respects your involvement in that "consolidated (wrap-up) insurance program."

- C. SECTION V – DEFINITIONS is amended to add the following definition:

"Consolidated (wrap-up) insurance program" means a construction, erection or demolition project for which the prime contractor/project manager or owner of the construction project has secured general liability insurance covering some or all of the contractors or subcontractors involved in the project, such as an Owner Controlled Insurance Program (O.C.I.P.) or Contractor Controlled Insurance Program (C.C.I.P.).

"Residential structure" means any structure where 30% or more of the square foot area is used or is intended to be used for human residency including but not limited to single or multifamily housing, apartments, condominiums, townhouses, co-operatives or planned unit developments and also includes their common areas and/or appurtenant structures (including pools, hot tubs, detached garages, guest houses or any similar structures). When there is no individual ownership of units, residential structure does not include military housing, college/university housing or dormitories, long term care facilities, hotels, or motels. Residential structure also does not include hospitals or prisons.

This provision 26. does not apply to any person or organization who otherwise qualifies as an additional insured on this Coverage Part.

All other terms and conditions of the Policy remain unchanged.

Material used with permission of ISO Properties, Inc

**BLANKET ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS -
WITH PRODUCTS-COMPLETED OPERATIONS COVERAGE**

It is understood and agreed that this endorsement amends the **COMMERCIAL GENERAL LIABILITY COVERAGE PART** as follows:

SCHEDULE (OPTIONAL)

Name of Additional Insured Persons Or Organizations
(As required by "written contract" per Paragraph A. below.)

Locations of Covered Operations
(As per the "written contract," provided the location is within the "coverage territory" of this Coverage Part.)

A. Section II - Who Is An Insured is amended to include as an additional insured:

1. Any person or organization whom you are required by "written contract" to add as an additional insured on this Coverage Part; and
2. The particular person or organization, if any, scheduled above.

B. The insurance provided to the additional insured is limited as follows:

1. The person or organization is an additional insured only with respect to liability for "bodily injury," "property damage," or "personal and advertising injury" caused in whole or in part by:
 - a. Your acts or omissions, or the acts or omissions of those acting on your behalf, in the performance of your ongoing operations specified in the "written contract"; or
 - b. "Your work" that is specified in the "written contract" but only for "bodily injury" or "property damage" included in the "products-completed operations hazard," and only if:
 - (1) The "written contract" requires you to provide the additional insured such coverage; and
 - (2) This Coverage Part provides such coverage.
2. If the "written contract" specifically requires you to provide additional insurance coverage via the 10/01 edition of CG2010 (aka CG 20 10 10 01), or via the 10/01 edition of CG2037 (aka CG 20 37 10 01), or via the 11/85 edition of CG2010 (aka CG 20 10 11 85), then in paragraph **B.1.** above, the words 'caused in whole or in part by' are replaced by the words 'arising out of'.
3. We will not provide the additional insured any broader coverage or any higher limit of insurance than:
 - a. The maximum permitted by law;
 - b. That required by the "written contract";
 - c. That described in **B.1.** above; or
 - d. That afforded to you under this policy,
 whichever is less.

0020007860 147404786381



4. Notwithstanding anything to the contrary in Condition **4. Other Insurance** (Section **IV**), this insurance is excess of all other insurance available to the additional insured whether on a primary, excess, contingent or any other basis. But if required by the "written contract" to be primary and non-contributory, this insurance will be primary and non-contributory relative to insurance on which the additional insured is a Named Insured.
5. The insurance provided to the additional insured does not apply to "bodily injury," "property damage," or "personal and advertising injury" arising out of:
 - a. The rendering of, or the failure to render, any professional architectural, engineering, or surveying services, including:
 - (1) The preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
 - (2) Supervisory, inspection, architectural or engineering activities; or
 - b. Any premises or work for which the additional insured is specifically listed as an additional insured on another endorsement attached to this Coverage Part.

C. SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS is amended as follows:

1. The **Duties In The Event of Occurrence, Offense, Claim or Suit** condition is amended to add the following additional conditions applicable to the additional insured:

An additional insured under this endorsement will as soon as practicable:

- (1) Give us written notice of an "occurrence" or an offense which may result in a claim or "suit" under this insurance, and of any claim or "suit" that does result;
- (2) Except as provided in Paragraph **B.4.** of this endorsement, agree to make available any other insurance the additional insured has for a loss we cover under this Coverage Part;
- (3) Send us copies of all legal papers received, and otherwise cooperate with us in the investigation, defense, or settlement of the claim or "suit"; and
- (4) Tender the defense and indemnity of any claim or "suit" to any other insurer or self insurer whose policy or program applies to a loss we cover under this Coverage Part. But if the "written contract" requires this insurance to be primary and non-contributory, this provision (4) does not apply to insurance on which the additional insured is a Named Insured.

We have no duty to defend or indemnify an additional insured under this endorsement until we receive from the additional insured written notice of a claim or "suit."

- D. Only for the purpose of the insurance provided by this endorsement, **SECTION V – DEFINITIONS** is amended to add the following definition:

"Written contract" means a written contract or written agreement that requires you to make a person or organization an additional insured on this Coverage Part, provided the contract or agreement:

1. Is currently in effect or becomes effective during the term of this policy; and
2. Was executed prior to:
 - a. The "bodily injury" or "property damage"; or
 - b. The offense that caused the "personal and advertising injury,"for which the additional insured seeks coverage under this Coverage Part.

All other terms and conditions of the Policy remain unchanged.

Material used with permission of ISO Properties, Inc.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY INSURANCE

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

SECTION IV - BUSINESS AUTO CONDITIONS, B. General Conditions, 5. Other Insurance, item c. is replaced by the following:

- c. Regardless of the provisions of Paragraph a. above, this Coverage Form's Liability Coverage is primary and we will not seek contribution from any other insurance for any liability assumed under an "insured contract" that requires liability to be assumed on a primary noncontributory basis.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.



BUSINESS AUTO ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

SCHEDULE

The coverage provided by this endorsement is summarized below and is intended to provide a general coverage description only. For the details affecting each coverage, please refer to the terms and conditions in this endorsement.

- A. Who Is An Insured broadened:**
 - Additional Insured by Contract, Agreement or Permit
 - Legally Incorporated Subsidiaries
 - Newly Acquired Organizations
- B. Supplementary Payments**
 - Bail Bonds - \$5000
 - Loss of Earnings - \$500
- C. Fellow Employee Exclusion Amendment**
- D. Coverage Extensions**
 - Transportation Expenses
 - Personal Effects (Excess Basis)
- E. Additional Coverages**
 - Expenses paid for returning a stolen covered auto
 - Fire Department Service Charge
- F. Airbag Coverage - Accidental Discharge**
- G. Glass Repair - Waiver of Deductible**
- H. Knowledge and Notice of an Accident, Claim or Suit**
- I. Unintentional Failure To Disclose Hazards**
- J. Worldwide Coverage**
- K. Definitions**
 - Bodily Injury Redefined

In addition to the policy amendments contained in A. through K. listed above, the endorsements listed below will automatically be attached to your policy to complete the coverage provided by the Signature Series Business Auto Endorsement:

- Audio, Visual and Data Electronic Equipment Coverage Added Limits - CA 99 60
- Auto Loan/Lease Gap Coverage - CA 20 71
- Drive Other Car Coverage - Broadened Coverage For Named Individuals - (Executive Officers/Spouses) - CA 99 10
- Employee Hired Autos - CA 20 54
- Employees As Insureds - CA 99 33
- Hired Auto Physical Damage (Refer to Auto Declarations page)
- Rental Reimbursement Coverage - CA 99 23
- Waiver of Transfer of Rights of Recovery (Waiver of Subrogation) - CA 04 44

A. WHO IS AN INSURED BROADENED

SECTION II - LIABILITY COVERAGE, item A. Coverage, 1. Who Is An Insured is amended to include the following additional paragraphs:

- d. Any legally incorporated subsidiary of yours in which you own more than

50% of the voting stock on the effective date of this endorsement.

However, "insured" does not include any subsidiary that is an "insured" under any other liability policy or would be an "insured" under such a policy but for its termination or the exhaustion of its limit of insurance.

Coverage under this provision is afforded only for the first 180 days after you acquire or form the organization or until the end of the policy period, whichever comes first.

- e. Any organization you newly acquire or form, other than a partnership or joint venture, and over which you maintain ownership or a majority interest. However, coverage under this provision:

- (1) Does not apply if the organization you acquire or form is an "insured" under another auto liability policy or would be "insured" under such a policy but for its termination or the exhaustion of its limits of insurance;
- (2) Does not apply to "bodily injury" or "property damage" that occurred before you acquired or formed the organization; and
- (3) Is afforded only for the first 180 days after you acquire or form the organization or until the end of the policy period, whichever comes first.

- f. Any person or organization with whom you agreed in writing in a contract, agreement or permit, to provide insurance such as is afforded under this policy.

This provision only applies if the written contract or agreement has been executed or permit has been issued, prior to the "bodily injury" or "property damage".

B. SUPPLEMENTAL PAYMENTS

SECTION II - LIABILITY COVERAGE, item A. Coverage, 2. Coverage Extensions, a. Supplementary Payments, subparagraphs (2) and (4) are deleted and replaced with the following:

- (2) Up to \$5,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.
- (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 per day because of time off from work.

C. FELLOW EMPLOYEE EXCLUSION AMENDMENT

SECTION II - LIABILITY COVERAGE, item B. Exclusions, 5. Fellow Employee does not apply if the "bodily injury" results from the use of a covered "auto" you own or hire.

D. COVERAGE EXTENSIONS

SECTION III - PHYSICAL DAMAGE COVERAGE, Item A. Coverage, 4. Coverage Extensions, a. Transportation Expenses is replaced with the following:

a. Transportation Expenses

We will pay up to \$100 per day to a maximum of \$1,800 for transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type. We will pay only for those covered "autos" for which you carry either Comprehensive or Specified Causes of Loss Coverage. We will pay for transportation expenses incurred during the period beginning 48 hours after the theft and ending, regardless of the policy's expiration, when the covered "auto" is returned to use or we pay for its "loss".

The following is added to Item 4. **Coverage Extensions:**

c. Personal Effects

We will pay up to \$500 for the "loss" of your personal effects that are contained in a covered "auto" due to the total theft of the covered "auto." We will pay only for those personal effects that are contained in covered "autos" for which you carry either Comprehensive or Specified Causes Of Loss Coverage.

Our payment for "loss" of or damage to personal effects will apply only on an excess basis over other collectible insurance.

E. ADDITIONAL COVERAGES

SECTION III - PHYSICAL DAMAGE COVERAGE, A. Coverage, is amended to include the following additional coverage items:

- 5. We will pay the expense of returning a stolen covered "auto" to you.
- 6. **Fire Department Service Charge**

When a fire department is called to save or protect a covered "auto", its equipment, its contents or occupants from a Covered Cause Of Loss, we will pay up to \$1,000 for your liability for Fire Department Service Charges:

(a) Assumed by contract or agreement prior to loss; or

(b) Required by local ordinance.

No deductible applies to this additional coverage.

F. AIRBAG COVERAGE - ACCIDENTAL DISCHARGE

SECTION III - PHYSICAL DAMAGE COVERAGE, Item B. Exclusions, subparagraph 3.a. is deleted and replaced with the following:

a. Wear and tear, freezing, mechanical or electrical breakdown.

Mechanical breakdown does not apply to the accidental discharge of an airbag.

G. GLASS REPAIR - WAIVER OF DEDUCTIBLE

SECTION III - PHYSICAL DAMAGE COVERAGE, item D. Deductible the following paragraph is added:

No deductible shall apply to glass damage if the glass is repaired rather than replaced.

H. KNOWLEDGE AND NOTICE OF AN ACCIDENT, CLAIM OR SUIT

SECTION IV - BUSINESS AUTO CONDITIONS, Item A. Loss Conditions is amended as follows:

Subparagraph a. under Item 2. **Duties In The Event Of Accident, Claim, Suit Or Loss**, is amended to include the following paragraphs:

This requirement applies when the "accident," claim, "suit" or "loss" is first known to:

- (1) You, if you are an individual;
- (2) A partner, if you are a partnership; or
- (3) An executive officer or insurance manager, if you are a corporation.

Subparagraph b.(2) under 2. **Duties In The Event Of Accident, Claim, Suit Or Loss** is amended as follows:

- (2) Immediately send us copies of any request, demand, order, notice, summons or legal paper received concerning the claim or "suit."

Your employees may know of documents received concerning a claim or "suit". This will not

mean that you have such knowledge, unless receipt of such documents is known to you, any of your executive officers or partners or your insurance manager.

I. UNINTENTIONAL FAILURE TO DISCLOSE HAZARDS

Under **SECTION IV - BUSINESS AUTO CONDITIONS, B. General Conditions, 2. Concealment, Misrepresentation Or Fraud** is amended to include the following additional paragraph:

If you unintentionally fail to disclose any hazards existing at the inception date of your policy, we will not deny coverage under this Coverage Part because of such failure.

J. WORLDWIDE COVERAGE

Under **SECTION IV - BUSINESS AUTO CONDITIONS, B. General Conditions, 7. Policy Period, Coverage Territory**, subparagraph (5) is deleted and replaced with the following:

(5) Anywhere in the world, if:

- (a) A covered "auto" of the private passenger type is leased, hired, rented or borrowed without a driver for a period of 45 days or less; and
- (b) The "insured's" responsibility to pay damages is determined in a "suit" on the merits, in the United States of America, Puerto Rico or Canada or in a settlement we agree to.
- (c) If, for such "autos" a "suit" is brought outside the territory described in 7.(1) through 7.(4) above, we will reimburse the insured for defense expenses incurred with our written consent, but we will make no payment, nor will we reimburse the insured for damages.

K. DEFINITIONS

Under **SECTION V - DEFINITIONS, Item C.** is replaced by the following:

- C. "Bodily injury" means bodily injury, sickness or disease sustained by a person, including mental anguish, mental injury or death resulting from any of these. "Bodily injury" includes mental anguish or other mental injury resulting from "bodily injury".

CITY OF GLENDALE, ARIZONA
PUBLIC WORKS/ENGINEERING DEPARTMENT

CONTRACTOR'S AFFIDAVIT
REGARDING
SETTLEMENT OF CLAIMS

PROJECT 151607 - INFILL STREET LIGHTING INSTALLATION

To the City of Glendale, Arizona

Gentlemen:

This is to certify that all lawful claims for materials, rental of equipment and labor used in connection with the construction of the above project, whether by subcontractor or claimant in person, have been duly discharged.

The undersigned, for the consideration of \$ _____, as set out in the final pay estimate, as full and complete payment under the terms of the contract, hereby waives and relinquishes any and all further claims or right of lien under, in connection with, or as a result of the above described project. The undersigned further agrees to indemnify and save harmless the City of Glendale against any and all liens, claims of liens, suits, actions, damages, charges, costs, litigation expenses, attorneys' fees and any other and expenses whatsoever, which said City may suffer arising out of the failure of the undersigned to pay for all labor performance and materials furnished for the performance of said installation.

Signed and dated at _____, this ____ day of _____, 20__.

Contractor

By _____

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

The foregoing instrument was subscribed and sworn to before me this ____ day of _____, 20__

Notary Public

My Commission Expires: _____

SUPPLEMENTAL GENERAL CONDITIONS

1. GENERAL: By Ordinance No. 1110 New Series, the City of Glendale adopted the "Uniform Standard Specifications for Public Works Construction," which are sponsored and distributed by the Maricopa Association of Governments. Copies of these documents, with revisions, are on file in the office of the City Engineer of the City of Glendale, and are hereby made a part of these Contract Documents.

Whenever in the Uniform Standard Specifications, the words "The Contracting Agency" are used, the meaning shall be the City of Glendale.

In all cases where ASTM, AASHTO, AWWA, USAG, Federal, City of Phoenix, MAG Specifications, Maricopa County, Arizona State Highway, City of Glendale or other standard specifications are referred to, unless otherwise stated, revisions, supplements or addenda issued on or before the date of this contract, shall prevail. In the event of any conflict between these project specifications and the requirements of the plans, detail drawings, MAG Standard Details and Specifications, these project specifications shall prevail.

2. DEFINITIONS: The following terms, as used in or pertaining to the Contract Documents, are defined as follows:

CITY: The word "City" refers to the City of Glendale, Arizona. The official representative of said City in these proceedings shall be the City Engineer.

CONTRACTOR: The word "Contractor" means the person, firm, or corporation with whom the Contract is made by the City.

MATERIALS: The term "Materials" includes, in addition to materials incorporated in the project, equipment and other material used and/or consumed in the performance of the work.

SUBCONTRACTOR: The word "Subcontractor" includes those having a direct contract with the Contractor and those who furnish material worked to a special design according to the plans and/or specifications for this work, but does not include those who merely furnish materials not so worked.

ENGINEER: The word "Engineer" means a person, firm or corporation duly authorized by the City, to act for the City in staking out the work, inspecting materials and construction, and interpreting plans and specifications.

CONTRACT DOCUMENTS: The words "Contract Documents" mean the Notice to Contractors, Information for Bidders, "Uniform Standard Specifications for Public Works Construction," MAG General Conditions, Supplemental General Conditions, Special Provisions, Supplemental Specifications, Proposal, Contract, Payment Bond, Performance Bond, Certificates of Insurance, Plans and Addenda thereto.

3. PROPOSAL QUANTITIES: It is expressly understood and agreed by the parties hereto that the quantities of the various classes of work to be done and material to be furnished under this Contract, which have been estimated as stated in the Proposal, are only approximate and are to be used SOLELY for the purpose of comparing, on a consistent basis, the proposals offered for the work under this Contract; and the Contractor further agrees that the City will not be held responsible if any of the quantities shall be found incorrect; and the Contractor will not make any claim for damages or for loss of profits because of a difference between the quantities of the various classes of work as estimated and the work actually done. If any error, omission, or mis-statement is found to occur in the estimated quantities, the same shall not invalidate this Contract or release the Contractor from the execution and completion of the whole or any part of the work in accordance with the specifications and the plans herein mentioned, or for the prices herein agreed upon and fixed therefore, or excuse him from any of the obligations or liabilities hereunder, or entitle him to any damages or compensation except as may be provided for in this Contract.

4. WITHDRAWAL OF PROPOSALS: No proposal shall be withdrawn following the opening and reading of the bids for a period of 50 days from the date of opening without the consent of the contracting agency through the body or agent duly authorized to accept or reject the proposal.

5. LOSSES AND DAMAGES: All loss or damage arising out of the nature of the work to be done or from the action of the elements, or from any unforeseen circumstances in the prosecution of the same, or from any unusual obstructions or difficulties which may be encountered in and/or during the prosecution of the work, or from any casualty whatsoever of every description, shall be sustained and borne by the Contractor at his own cost and expense except as otherwise provided by the contract documents or the laws of the State of Arizona.

6. DUST PREVENTION: The Contractor shall take whatever steps, procedures or means required to prevent abnormal dust conditions due to his construction operations in connection with this contract. The dust control measures shall be maintained at all times during construction of the project, to the satisfaction of the Engineer, in accordance with the requirements of the "Maricopa County Health Department Air Pollution Control Regulations" which have been adopted pursuant to A.R.S. § 36-779.

The Contractor shall be required to obtain the necessary permit from the Maricopa County Air Pollution Control Bureau, 1001 N. Central Ave., Phoenix, Arizona 85004 - telephone (602) 506-6727.

7. EXCESS MATERIAL: Excess material shall be removed from the work site and wasted at a location approved by the Engineer. Broken concrete and asphalt may be delivered to the Glendale Sanitary Landfill located at 115th Avenue and Glendale Avenue. The prevailing regulations and fee schedule will not be waived for work under this project. All materials, to be disposed of at the landfill, shall be weighed and disposed of at the prevailing rate.

8. STOCKPILE OF MATERIALS: The Contractor may place or stockpile materials in the public right-of-way, if approved by the Engineer, provided they do not prevent access to adjacent properties or prevent compliance with traffic regulations.

Traffic shall not be required to travel over stockpiled materials, and proper dust control shall be maintained.

9. REFUSE COLLECTION ACCESS: At any time the project construction shall require the closure or disruption of traffic in any roadway, alley, or refuse collection easement such that normal refuse collection will be interfered with, the Contractor shall, at least 48 hours prior to causing such closure or disruption, make arrangements with the Field Operations Department in order that refuse collection service can be maintained.

10. CLEAN-UP: After all work under this contract is completed, the Contractor shall remove all loose concrete, lumber, wire, reinforcing, debris, and other materials not incorporated in the work, from the site of the work. Clean-up shall include the removal of all excess pointing mortar materials within pipes and removal of over-size rocks and boulders left after finish grading. The contractor shall provide for the legal disposal of all waste products, debris, etc., and shall make necessary arrangements for such disposal.

11. SHOP DRAWINGS: The Contractor shall provide shop drawings as may be necessary for the prosecution of the work as required by the contract documents. The Engineer shall promptly review all shop drawings. The Engineer's approval of any shop drawing shall not release the Contractor from responsibility for deviations from the contract documents. The approval of any shop drawing which substantially deviates from the requirements of the contract documents shall be evidenced by a change order.

When submitted for the Engineer's review, shop drawings shall bear the contractor's certification that he has reviewed, checked, and approved the shop drawings and that they are in conformance with the requirements of the contract documents.

Portions of the work requiring a shop drawing or sample submission shall not begin until the shop drawing or sample submission has been approved by the Engineer. A copy of each approved shop drawing and each approved sample shall be kept in good order by the Contractor at the site and shall be available to the Engineer.

12. PROTECTION OF FINISHED OR PARTIALLY FINISHED WORK: The Contractor shall properly guard and protect all finished or partially finished work, and shall be responsible for the same until the entire contract is completed and accepted, in writing, by the City. The Contractor shall turn over the entire work in full accordance with the specifications before final settlement shall be made.

13. STATUS OF EMPLOYEES: Contractor shall be responsible for assuring the legal working status of its employees and its subcontractor's employees.

14. LAWS AND REGULATIONS: This Contract shall be governed by and constructed in accordance with the laws of the State of Arizona. The Contractor shall keep himself fully informed of all existing and future City and County Ordinances and Regulations and State and Federal Laws and Occupational Safety and Health Standards (OSHA) in any manner affecting the work herein specified. He shall at all times observe and comply with said Ordinances, Regulations, or Laws.

15. PERMITS: The City has obtained certain required permits which are included in the project specifications, but it will be the duty of the Contractor to determine that all the necessary permits have been obtained. The Contractor shall, at his own expense, obtain all required permits which have not been furnished by the City. A no-fee permit will be issued for work in the City of Glendale right-of-way and easement. (Also see Paragraph 7. Dust Prevention.)

16. ELECTRIC POWER AND WATER: The Contractor shall make his own arrangements for electric power and water. Subject to the convenience of the City, he may be permitted to connect to existing facilities where available, but he shall meter and bear the cost of such power or water. Fire hydrant meters may be obtained from the City of Glendale. Installation and removal of meters should be scheduled through the City's Water Services/Utilities Division at 930-2700. For details and current rates, please visit <http://www.glendaleaz.com/CrossConnection/firehydrantmeterprogram.cfm>.

17. SURVEY CONTROL POINTS AND MONUMENTS: Existing survey monuments indicated on the plans or found during construction shall be protected by the Contractor, and in the event removal is necessary, removal and replacement shall be performed by permission of the Engineer, under direct supervision of the Engineer or his authorized representative. Survey monuments shall be constructed to conform to the requirements of MAG Specifications, Section 405, and Standard Details.

18. EXISTING UTILITIES: The Contractor is hereby advised that the location of all utilities, as shown on the plans, may not be complete nor exact and the Contractor shall satisfy himself as to the exact location of the utilities by contacting Blue Stake or the utility companies before proceeding with the work. After the underground utilities are located by Blue Stake or the utility company, the contractor shall excavate in a careful and prudent manner to prevent unwillful damage to the underground utilities.

In the event the Contractor or its Subcontractor damages an existing, properly identified underground City of Glendale water or sewer line, the Contractor shall be responsible for the repairs at its expense.

The exact location of all existing underground service utilities, whether or not indicated on the plans, shall be determined by the Contractor at no expense to the City, and he shall conduct his work so as to prevent interruption of service or damage to them.

The Contractor shall protect existing utility services and be responsible for their replacement if damaged by him, or to make necessary adjustment in their location, if required, in order to complete the work for his Contract.

Utility companies and other interested parties have been provided with construction plans and the

construction schedule for this project. The Contractor shall comply with MAG Specifications 105.6 to cooperate with the utility companies.

19. MAINTENANCE OF IRRIGATION FACILITIES: Where irrigation facilities interfere with construction, the Contractor shall remove and replace the affected irrigation facilities to its original condition. Final acceptance of replaced facilities will depend upon final approval of the Engineer.

20. OVERHEAD UTILITY LINES AND POLES: Contractor is advised that when work around overhead lines and poles is required on a project the Contractor is required to coordinate with Utility Companies who own and operate overhead lines and poles. The coordination may include, but not be limited to the following activities: pole bracing, de-energizing of lines, and temporary relocations. Contractor is responsible to contact the applicable Utility Company representative and discuss his proposed construction methods; in order to determine what actions the Utility Company must take and the costs related to those actions. The Contractor shall include these costs in the applicable bid items for this project.

The primary and the backup representatives for this review and cost determinations are as follows:

Arizona Public Service:	Mr. Bobby Garza	602-371-7989
Qwest:	Mr. Ron Floyd	602-630-1932
Salt River Project:	Mr. Tim Rinn	602-236-8694
Salt River Project:	Ms. Mariann Ward	602-236-6389
Cox Communications:	Mr. Ron Pint	623-328-3529
Cox Communications:	Ms. Linda Facio	623-328-3500

21. SOUTHWEST GAS FACILITIES EXPOSED DURING CONSTRUCTION: The Contractor, upon exposing a gas line during construction, shall call SOUTHWEST GAS at 602-271-4277. The Southwest Gas patrolman will respond, usually within an hour, to inspect the line. Minor cuts or abrasions to the pipe coating will be rewrapped and tracer wire will be reconnected at no cost to the City.

22. UNDERGROUND UTILITIES' BEDDING: All water, sewer, storm drain, irrigation and other conduits installed within the City of Glendale shall be bedded from bottom of excavation to one foot above the pipe with granular bedding material meeting the requirements of Section 601.4.6 of MAG Uniform Standard Specifications. The initial bedding under the pipe shall follow City of Glendale Detail G-690.

23. SEWER SERVICE LINES: The Contractor shall be responsible for locating, and protecting from damage during construction, all sewer service lines within the project which are not owned by the City. Contractor will be permitted to review the "as-builts" to assist Contractor in locating the non-City owned sewer service lines. These "as-builts" were prepared, and supplied to the City, by private developers or contractors who installed the non-City owned sewer service lines. Therefore, the City does not guarantee or warranty the accuracy of such "as-builts" and the contractor, as a condition for being allowed to review such "as-builts", hereby agrees to hold the City harmless for any and all damages or other expenses contractor may incur as a result of any inaccuracies or incorrect information in these "as-builts".

24. RIGHTS-OF-WAY: The City will provide rights-of-way and easements for all work specified in this Contract, and the Contractor shall not enter or occupy with man, tools, equipment or materials any private ground outside the property of the City of Glendale, Maricopa County, Arizona, without the consent of the property owner.

25. SUBCONTRACTS: Subcontracts shall be in accordance with, and the Contractor shall be bound by, the following provisions:

All subcontracts shall be subject to the approval of the City.

All subcontracts shall be in writing and shall provide that all work to be performed thereunder shall be performed in accordance with the terms of the Contract.

Certified copies of any and all subcontracts shall be furnished to the City Engineering Department; however, prices may be omitted.

Subcontracts shall conform to the regulations governing employment of labor.

The subcontracting of any part of the work will in no way relieve the Contractor of his responsibility under the Contract.

26. **PRE-CONSTRUCTION CONFERENCE:** After completion of the Contract Documents, to include bonds, insurance and signatures, and prior to the commencement of any work on the project, the Engineer will schedule a Pre-Construction Conference. This will be held at the City of Glendale, 5850 West Glendale Avenue, Glendale, Arizona.

The purpose of this Conference is to establish a working relationship between the Contractor, Utility Companies, and the Engineer. The agenda will include critical elements of the construction schedule, procedures for handling shop drawings and other submittals, cost breakdown of major lump sum items, payment application and processing, coordination with the involved utility companies, emergency telephone numbers for all representatives involved in the course of construction, and establishment of the Notice to Proceed date.

Minimum attendance by the Contractor shall be a responsible official of the company/corporation, who is authorized to execute and sign documents on behalf of the company/corporation.

27. **OVERTIME:**

Regular Work Hours: The work required to be performed by the Plans and Specifications for the Project shall be performed only during regular working hours, unless the City has authorized overtime work in accordance with the procedures set forth below. Regular working hours shall be defined as one 8-1/2 hour shift per day, Monday through Friday, or, upon prior approval of the City, one 10-1/2 hour shift per day on a compressed four day work week during Monday through Friday. Regular working hours shall not include Saturdays, Sundays or City recognized legal holidays.

Authorization and Costs: If the Contractor desires to schedule work for times other than regular work hours (overtime), the Contractor shall make a written request to the City at least two business days prior to the scheduled overtime. The City reserves the right to deny the request to work overtime based on the best interest and needs of the City. If an overtime request is denied, the City may, at its sole discretion, extend the contract time at no additional costs to the City.

In the event the Contractor does perform work overtime, with or without the prior approval of the City, the Contractor shall be responsible to the City for all additional costs that may be incurred by the City as a result of the Contractor's overtime work, including costs for engineering, inspections, testing, surveying and construction administration, all in accordance with MAG Section 108.5. However, the Contractor shall not be responsible for City's costs incurred as a result of overtime work requested by the City or overtime work resulting from an emergency which is not the responsibility of the Contractor or its employees, subcontractors or suppliers. The City's cost will be billed directly to the Contractor or may, at the City's option, be deducted from monies due the Contractor.

28. **CONTRACTOR'S CONSTRUCTION SCHEDULE:** Concurrently, with the execution of the contract and prior to the pre construction conference, the Contractor shall submit a preliminary schedule for the Engineer's review and acceptance. The schedule shall be in sufficient detail to allow the Engineer to determine if the proposed schedule will conform to an acceptable program of construction operations, as determined by the contracting agency. Within ten calendar days after the preliminary schedule, described above, has been accepted by the Engineer, the Contractor shall submit a progress schedule, utilizing the critical path method scheduling technique, showing the order in which he proposes to carry out the work, the dates on which he will start each phase of the work, and the contemplated date for completion of each phase. The Contractor shall not be permitted to commence construction until the schedule complying with this paragraph has been submitted to the

City. The Contractor will not be granted any extension to the contract time or compensation for any damages as a result of the City's refusal to allow Contractor to commence construction until the critical path method progress schedule has been submitted and accepted by the Engineer.

The critical path method (CPM) scheduling technique requires a breakdown of the entire work into individual tasks and an analysis of the number of days required to perform each task. The schedule submitted to the City should highlight and identify the critical path for the project. After the work is in progress, the Contractor shall submit supplementary progress schedules, using the critical path method technique, of the progress to date and projection for completion. The supplementary progress schedules shall be submitted with each pay request in accordance with the paragraph, "Payments to Contractors," of these Supplemental General Conditions. The progress schedules shall be subject to the acceptance of the Engineer. In the event the Contractor fails to submit a supplementary progress schedule acceptable to the Engineer, the City may withhold further progress payments to the Contractor until the Contractor submits an acceptable supplementary progress schedule, which is accepted by the Engineer, to the City. Schedule changes requiring an increase in the City's engineering personnel on the project shall not be put into effect until the Engineer has approved such increase and made arrangements for the required additional personnel.

29. CHARACTER OF WORKMEN: None but skilled foremen and workmen shall be employed on work requiring special qualifications. When required by the Engineer, the Contractor shall discharge any person who is, in the opinion of the Engineer, disorderly, dangerous, insubordinate, incompetent, or otherwise objectionable. The Contractor shall keep the City harmless from damages or claims for compensation that may occur in the enforcement of this section of the specifications.

30. HINDRANCES AND DELAYS: Except as otherwise provided herein, no charge shall be made by the Contractor for hindrances or delays from any cause during the progress of the work embraced in this Contract; but such delays, if due to no fault or neglect of the Contractor, shall entitle the Contractor to an extension of time allowed for completing the work, sufficient to compensate for the delay, the amount of the delay to be determined by the Engineer, provided the Contractor shall give said Engineer immediate notice in writing of the cause of such delay.

30.1 Delay: In the event of a delay for which the City is solely responsible, which is unreasonable under the circumstances and which was not within the contemplation of City and Contractor at the time this Contract is executed, City and Contractor shall negotiate, in good faith, a payment by the City to Contractor for the expenses incurred by Contractor as a result of such delay, in accordance with the City of Glendale Engineering Department's POLICY STATEMENT FOR CALCULATING DELAYS AND DAMAGES. This provision shall not be construed to void any provision in the contract which requires notice of delay or provides for liquidated damages. However, if the delay is the result of any act or neglect of a third party, including the architect, engineer or other contractor employed by the City, or by labor disputes, fire, unusual delay in transportation, adverse weather conditions not reasonably foreseeable, unavoidable casualties, or any causes beyond the Contractor's control, the Contractor shall not be entitled to any payments or compensation for expenses incurred as a result of such delay, but the Contract Time shall be extended by Change Order for such reasonable time as the Engineer may determine. No extension or compensation will be granted for any delay which is the result, wholly or partially, of any act or neglect of Contractor or any Subcontractor hired by Contractor.

31. LIQUIDATED DAMAGES:

31.1 Should the contractor fail to substantially complete the work under this contract within the time for completion stated in the paragraph "Time of Completion," in the Information for Bidders, then the contractor shall pay the City of Glendale, Arizona, liquidated damages, pursuant to the provisions of Section 108.9, Standard Specifications for Public Works Construction, Maricopa Association of Governments, until the work is substantially complete.

31.2 Should the contractor fail to fully and finally complete the work under this contract within the time for completion set forth in the paragraph "Time of Completion," in the Information for Bidders, even though the contractor has achieved substantial completion of the work within such time, then the

contractor shall pay the City of Glendale, liquidated damages (pursuant to the provisions of Section 108.9, Standard Specifications for Public Works Construction, Maricopa Association of Governments), in an amount equal to 100% of the applicable liquidated damage rate set forth in MAG Section 108.9 for each and every calendar day of delay until the work is fully and finally complete and accepted.

31.3 The date of substantial completion shall be the date when the work is sufficiently complete, in accordance with the contract documents, so the owner can fully occupy and utilize the work or designated portion thereof for the use for which it is intended, with all the project's parts and systems operable as required by the contract documents and all the work is complete, accessible, operable, and usable by the owner for its intended purpose(s), and all parts, systems and sitework are 100% complete and cleaned for the owner's use. Only incidental corrective work and final cleaning (if required), beyond cleaning needed for the owner's full use, may remain for final completion.

31.4 Full and final completion shall be that date when all work under the project, including incidental corrective work under punch list and final cleaning, has been completed and the entire project is accepted by the owner.

32. PAYMENTS TO CONTRACTOR: The measurements of quantities and the payments to the Contractor shall be in accordance with MAG Uniform Standard Specifications for Public Works Construction, Part 100 - General Conditions, Section 109 - Measurements and Payments.

Payments will be made on the basis of itemized, monthly statements prepared by the City and signed by the Contractor. The Contractor shall submit an itemized, duly certified and approved estimate for work completed through the last day of the preceding month in accordance with MAG Specifications, as amended by these Supplemental General Conditions. Upon approval of the pay estimate, the City will mail the check directly to the Contractor.

The pay estimate shall be accompanied by an updated progress schedule as required by these Supplemental General Conditions and a cash flow report when required by the Special Provisions. Approval of progress payments shall be conditional upon submittal of progress schedules and cash flow reports, when required, which are acceptable to the Engineer.

Upon 100% completion and acceptance of the project, and with the request for final payment, the Contractor shall complete and submit the "Contractor's Affidavit Regarding Settlement of Claims" form which is included in these specifications. Before final payment and release of retention, Contractor must arrange for its Surety to provide the City with a fully executed AIA Consent of Surety form. To avoid delays in the final payment, the Surety may send the Consent of Surety directly to the City via fax at (623) 915-2861, and mail the original to the City of Glendale Engineering Department, 5850 West Glendale Avenue, Glendale, Arizona 85301. Should any ambiguity arise between the Contract and these Conditions, the provisions of the Contract shall prevail.

33. WARRANTY: This project shall have a 2 year warranty. The warranty period shall begin upon final acceptance of the work by the City of Glendale.

END OF SUPPLEMENTAL GENERAL CONDITIONS

SPECIAL PROVISIONS

1. **SCOPE OF WORK:** Installation and energization of up to 14 infill streetlights as City funding allows per project specifications. Locations are distributed throughout Glendale but within the APS service area. Contractor is to provide all labor and material. Six of the 14 locations are listed as Bid Alternates. Depending on the provided individual cost of installation of the first eight locations and the individual cost of the alternate locations, the City may authorize installation of some or all of the alternate installations.

2. **DEFINITIONS:**

A. **Section:** Reference to a Section on the plans or in these Specifications shall mean a Section of the Uniform Standard Specifications for Public Works Construction, sponsored and distributed by Maricopa Association of Governments (MAG), latest revision. The provisions of MAG Uniform Standard Specifications and Details for Public Works Construction, which are not altered or modified by the drawings or by these Special Provisions or by any subsequently issued Addendum, shall apply to the contract even though the Contractor's attention is not specifically drawn to such provisions.

B. **Standard Detail:** Reference to a MAG Standard Detail (MAG S.D.) on the plans or in these specifications shall mean a standard detail drawing in the latest revision of the Uniform Standard Specifications for Public Works Construction, sponsored and distributed by Maricopa Association of Governments. City of Glendale Standard Detail (C.O.G. S.D.) shall mean a standard detail drawing in the City of Glendale's Engineering Design and Construction Standards, latest revision. City of Phoenix Standard Detail (C.O.P. S.D.) shall mean a standard detail drawing in the Phoenix Supplemental Standard Details for Public Works Construction, latest revision.

3. **CONSTRUCTION SURVEYING AND LAYOUT:** The work under this item shall consist of furnishing all materials, personnel, equipment, and traffic control necessary to perform all surveying, staking, and verification of the accuracy of all control points per the plans and as directed by the Engineer. Included in this work shall be all calculations required for the satisfactory completion of the project in conformance with the plans and these Special Provisions. The work shall be done under the direction of a registered professional engineer or a registered land surveyor employed by the Contractor. The crew chief shall be NICET Certified Level III or a registered land surveyor. The Contractor shall furnish all equipment, materials and other devices necessary for establishing, checking, marking and maintaining points, lines, grades and layouts.

Throughout the work, the Contractor shall set all stakes including, but not limited to; centerline stakes; offset stakes; reference point stakes; slope stakes; pavement lines, curb lines and grade stakes at intervals not greater than 25 feet; stakes for sewers, roadway drainage, pipe, under drains, clearing, paved gutter, fence, right of way markers, and survey monuments; blue tops of subgrade, subbase and base courses at intervals not greater than 50 feet; permanent as-built elevation marks; and all other horizontal or vertical controls necessary for complete and accurate layout and construction of the work. Stakes for horizontal and vertical curves shall be set at intervals appropriate for the length of curve. The coordinates of any new control points established by the Contractor during the course of the work shall be given to the Engineer within five working days of control point establishment.

Field notes shall be kept in standard field notebooks furnished by the Contractor. Field notes shall be kept in a clear, orderly and neat manner consistent with standard surveying practices. The standard field notebooks or copies of, shall be made available to the Engineer upon request at any time during the prosecution of the work.

When utility adjustments are a part of the contract, the Contractor shall perform all layout work and set all control points, stakes and references necessary for carrying out all such adjustments.

The Contractor shall cross-section all fill areas for monthly, quantity estimates and as directed by the

Engineer. The Engineer may verify the accuracy of same. The Engineer shall check all measurements that involve determination of final quantities.

Any errors, omissions or discrepancies in the project plans shall be immediately brought to the attention of the Engineer. The Contractor shall promptly notify the Engineer in writing, explaining the problem in detail. The Engineer will advise the Contractor within three working days of any corrective actions deemed necessary. No changes in the project plans will be allowed without the approval of the Engineer.

The Contractor shall be compensated for additional work associated with survey and layout when:

- A. The project plans do not provide sufficient information and new calculations must be performed.
- B. The Contractor performs survey work based on erroneous plan information, which results in the duplication of work.
- C. Changes by the Engineer to the plan information for which the Contractor has already performed the work and results in the duplication of such work.

The Contractor shall not be due compensation for any survey work when:

- A. Information provided on the plans is sufficiently complete to allow any additional information necessary for the complete layout of the work to be routinely calculated.
- B. The Contractor fails to inform the Engineer of discovered plan errors before the performance of any extra survey work.
- C. Work is included in any other pay item.

The Contractor shall inform the Engineer in a timely manner of any omissions, ambiguities, or errors which the Contractor feels may result in extra calculations or survey work, so as not to delay the project or create any unnecessary calculations.

All additional survey work shall be documented by the Contractor and verified by the Engineer before compensation may be granted. Documentation shall consist of a detailed diary specifically addressing the work involved in the alleged problem area. The Contractor may be required to provide calculations, charts, graphs, drawings, or any other physical evidence, which will verify additional work.

The Contractor shall be responsible for verifying curb and gutter grades before placement of concrete using a steel straightedge, string line or other method approved by the Engineer. The field verification shall be performed in the presence of the Engineer or designated representative.

The Engineer reserves the right to make inspections and random checks of the staking and layout. Inspection or acceptance of all or any part of the Contractor's staking and layout by the Engineer does not relieve the Contractor of full responsibility to secure the proper dimensions, grades and elevations of the work.

If, in the Engineer's opinion, the work is not being performed in a manner that will assure proper controls and accuracy, the Engineer will order any or all of the staking and layout work redone at no additional cost to the City. If any portion of the Contractor's staking and layout work is ordered

redone and requires additional rechecking by the Engineer, the City shall be reimbursed for all costs for such additional checking. The amount of such costs will be deducted from the Contractor's monthly estimate.

The Contractor shall provide final "as-constructed" field surveying, including both vertical and horizontal data based on the finished work. The Contractor shall also furnish final Record Drawings for all improvements. The Record Drawings shall be prepared by a Registered Land Surveyor and submitted to the Owner for approval prior to final acceptance of the project. The Record Drawings shall be prepared on a set of reproducible copies of the construction plans. The completed drawings shall be signed and sealed by the Registered Land Surveyor responsible for obtaining the As-built information and preparing the Record Drawings.

All survey field books and documentation shall be available for inspection by the Engineer.

Payment for this item will be made at the contract lump sum price fully complete as shown on the bid schedule.

4. **SUSPENSION OF WORK:** The Engineer reserves the right to suspend the work wholly or in part if deemed necessary for the best interest of the City. This suspension will be without compensation to the Contractor, other than to adjust the contract time in accordance with MAG Section 108.

5. **COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS:** In all instances wherein the item and/or specifications require installation or construction in accordance with either manufacturer's or supplier's recommendations and/or instructions, said recommendations and/or instructions shall be submitted with the applicable portions clearly marked for approval prior to the commencement of work on that item or portion of the contract.

6. **TRAFFIC REGULATIONS:**

6.1 All traffic affected by this construction shall be regulated in accordance with the City of Phoenix "Traffic Barricade Manual," the "Manual of Uniform Traffic Control Devices" and these Special Provisions. The following traffic restrictions are minimum requirements throughout the construction period:

6.1.1 All references in the City of Phoenix "Traffic Barricade Manual" and the "Manual of Uniform Traffic Control Devices" to "arterial" and/or "collector" streets shall mean "arterial and/or major arterial" streets and are referred to as "major" streets in the following sections.

6.1.2 A minimum of two travel lanes (one for each direction) shall be maintained open to traffic at all times on all major streets. All work that enters or crosses a major street must be done at times other than 6:00 a.m. to 8:30 a.m., and 4:00 p.m. to 6:00 p.m. unless approved by the Transportation Director or Designee.

6.1.3 A travel lane shall be defined as ten (10) feet of roadway not obstructed by traffic control devices with a safe motor vehicle operating speed of twenty-five (25) miles per hour.

6.1.4 A travel lane will not be considered as open to traffic until it has been graded reasonably smooth and is paved with a minimum of two (2) inches of asphalt. This shall be considered temporary pavement and shall be removed completely before proceeding with final surfacing.

6.1.5 The Contractor shall provide and maintain all required and requested traffic control devices to protect and guide traffic for all work in the construction area.

6.1.6 Intersection area shall be defined as all of the area within the right-of-way of intersecting

streets, plus two-hundred fifty (250) feet beyond the center of the intersected streets on all legs of the intersection.

6.1.7 The Contractor shall maintain all existing traffic signs erect, clean and in full view of the intended traffic at all times. Street name signs at major street intersections shall be maintained erect at all times. If any signs interfere with construction, the Contractor shall notify the Transportation Department at least 48 hours in advance before covering or removing said signage. The Contractor shall be responsible for reinstalling all signs removed or covered and verifying they are correctly placed. The Transportation Department will inspect all signage prior to completion of the project.

6.1.8 Local access to all properties on the subject project shall be maintained at all possible times in the form of a safe and reasonable direct route to at least one of the above defined major streets. Whenever local access cannot be maintained, the Contractor shall notify the affected property owner or user and the Engineer at least Seventy-Two (72) hours in advance.

6.1.9 The Contractor shall be required to provide a uniformed off-duty City of Glendale police officer to assist with traffic control whenever traffic in any one direction is restricted to one lane at a signalized major intersection or at other locations if it should become necessary in the opinion of the Transportation Director or Designee. If the Contractor chooses to use a police officer at other locations during peak traffic hours or to assist with his other traffic control operations, the cost shall be included in the lump sum for "Traffic Control" and not paid out of the hours allowed for "Off Duty Glendale Police Officer." All requests for off-duty officers will be made through the Glendale Police Department, Off-Duty Work Administrator. The Contractor must provide evidence of workmen's compensation coverage before any officer will be permitted to work.

Measurement for payment of the uniformed off-duty Glendale police officer hours will be made by the actual number of man-hours used for traffic control at signalized major intersections or as approved by the Engineer. Because the quantity of hours is dependent on the Contractors schedule of activities, the unit price bid for this item will be administered as a contingency bid item and any adjustment in hours will not be subject to the 20 percent limitation.

Payment for the off-duty Glendale police officer will be made at the contract unit price bid per hour for OFF DUTY GLENDALE POLICE OFFICER and shall include the net hourly rate of \$35.00 per police officer with a three (3) hour minimum. The net hourly rate shall be increased to include withholding for Federal, State, FICA, Medicare, Workmen's Compensation insurance and any payroll administrative costs.

6.1.10 The Contractor shall prepare a traffic control plan for the project and submit it to the City Transportation Director or Designee for review and approval at least fifteen (15) working days prior to the start of construction. The traffic control plan must be submitted through the City of Glendale on-Line Traffic Control Plan application process at www.glendaleaz.com/transportation/TrafficControlForm.cfm. The traffic control plan shall include message boards installed a minimum of seven (7) working days prior to restrictions when requested by the Transportation Director or Designee, additional public notification shall be required for major restrictions that impact adjacent stakeholders. Any changes to the traffic control plan during construction shall be submitted to the City Transportation Director or Designee for approval at least seventy-two (72) hours before implementation.

Payment for this item shall be made at the contract lump sum price for TRAFFIC CONTROL.

6.1.11 It is the City's desire to maintain one lane of traffic in each direction on minor streets whenever possible. Should it become imperative for the Contractor to close off a portion of any minor street or reduce the travel way to a single lane, he/she must obtain approval

from the City Transportation Director or Designee Seventy-Two (72) hours prior to implementing a traffic control change. He/she must provide all the necessary signs to detour traffic and/or flag person to control traffic for a single lane. The maximum amount of time that the street may be closed is from 9:00 a.m. until 4:00 p.m.

6.1.12 Flagger Requirements: All flaggers shall be properly trained and certified by a recognized source, such as the American Traffic Safety Services Association (ATSSA) or National Safety Council, and shall carry with them at all times proof that training and certification requirements have been completed within the last two years.

7. **ENERGIZED AERIAL ELECTRICAL POWER LINES:** The utility company maintains energized aerial electrical power lines in the immediate vicinity of this project. Do not consider these lines to be insulated. Construction personnel working in proximity to these lines are exposed to an extreme hazard from electrical shock. Contractors, their employees, and all other construction personnel working on this project must be warned of the danger and instructed to take adequate protective measures, including maintaining a minimum ten (10) feet clearance between the lines and all construction equipment and personnel. (See: OSHA Standard 1926.550(a)15.) As an additional safety precaution, Contractors should also be instructed to call the utility company to arrange, if possible, to have these lines de-energized or relocated when the work reaches their immediate vicinity. The cost of such temporary arrangements would be borne by the Contractor. The utility company can often respond to such requests if two days advance notice is given, but some situations may require up to sixty (60) days lead time for relocation or other arrangements.

8. **RECORD DRAWINGS:** The Contractor shall maintain one set of contract drawings with all changes, deviations, additions and deletions clearly marked thereon. Upon completion of the work, this set of drawings, shall be marked "RECORD DRAWINGS," dated, and delivered to the Engineer prior to approval of the Contractor's final payment request.

9. **CASH FLOW REPORT:** The Contractor shall prepare a Cash Flow Report for projected monthly project cash flow on a City provided form and submit it for approval prior to issuance of the Notice to Proceed. The accumulation of monthly pay estimate costs shall be plotted versus time in accordance with the proposed construction schedule. After approval, the Contractor shall submit an updated Cash Flow Report prior to the receipt of each Progress Payment. Each updated Cash Flow Report shall reflect the Contractor's actual monthly payment versus the actual elapsed contract time.

At the City's request, if the projected quarterly project cash flow varies by more than ten percent of the total contract price, the Contractor shall prepare a revised Cash Flow Report. Each revised Cash Flow Report is subject to approval by the City prior to issuance of the progress payment.

Revisions to the report resulting from Contractor initiated delays or work schedule changes shall be at no cost to the City. Any revisions required by City initiated delays or changes to the work shall be paid as an integral part of the approved Change Order.

10. **ALLOWANCE FOR CONSTRUCTION CONTINGENCIES:** Bid schedule includes a lump sum contingency allowance. This allowance is at all times the property of the City and is for the sole purpose of reimbursing Contractor for any unforeseen work not apparent at the time of bidding or additional work requested by the CITY OF GLENDALE.

No work anticipated for reimbursement under this Bid Item shall be initiated by Contractor until Contractor, City of Glendale Representative and City of Glendale agree on the scope and cost to perform the additional work. The Contractor shall prepare and submit to City of Glendale Representative a cost itemization and summary for the additional work. City of Glendale Representative and City of Glendale shall review and approve prior to Contractor proceeding with any additional work. Any portion of the stated sum not expended remains the property of the City of Glendale.

Work under this section shall consist of any additional work identified by the owner and contractor due to construction activity. All work under this item shall be itemized as per MAG requirements and

deducted from the set amount of \$10,000. All work under this section shall include but is not limited to all necessary materials, tools, layout, survey and labor required to complete each task.

Measurement and payment for this item shall be made on an individual basis per task and as described above. Limit for this item is set at \$10,000 on the bid form, under line item ALLOWANCE FOR CONSTRUCTION CONTINGENCY.

11. **POLE SETBACK:** The pole setback for a detached or no sidewalk location should be a minimum of three feet (from pole center) from curb for residential or collector streets or six feet from curb for an arterial street. The pole setback for attached sidewalk locations should be at least one foot (from pole center) from the sidewalk. Detailed information is available in the Street Lighting Manual on page 39 (standard detail K1).

12. **WIRING (ARIZONA PUBLIC SERVICE AREA):** Streetlight poles shall be wired for 120 volt, for up to and including 100 watt fixtures. Fixtures over 100 watts are to be wired 240 volt. APS can provide 277 volt on some commercial projects. It is the contractor's responsibility to contact APS for the correct voltage to be supplied. Wiring for fixtures shall be installed per Arizona Public Service requirements. Wiring color for power shall be properly identified. Conductors are to be installed from ballast of luminaire to J-box. Wiring between underground junction boxes, shall be provided and installed by the utility company supplying power. APS will make the connection in the J-box.

13. **GROUNDING:** Each pole foundation shall have a 8' X 5/8" copper clad ground rod, driven outside the area excavated for the pole. Ground rods maybe located in the J-box when required by the utility company. A #6 bare copper lead shall be used between the ground rod and the landing lug.

14. **CONDUIT:** Conduit shall be installed at the depth specified on the plans. Conduit shall be per the utility company requirement. Each conduit shall terminate in each pull box and/or pole foundation. Elbows shall be the same size as the conduit.

All conduit which will not have circuit wire or cable pulled into it during construction shall have a #10 AWG. copper clad or aluminum clad pull wire installed in it and the ends sealed in a NEC approved manner to keep all moisture and foreign matter out of the conduit.

When required, the contractor shall encase conduits in concrete at street, railroad, and driveway crossings.

15. **CONNECTIONS (ARIZONA PUBLIC SERVICE AREA):** Fusing is to be located in the hand holes or bases of light poles. J-box fusing shall meet APS requirements. Quick disconnect type fuse holders shall be equal to or better than Bussman BK/HEB-AA 30 amp, 600 volt that will accept the 10 amp Thon time-delay fuses "FNQ 10", This cartridge fuse size is 13/32" X 1 1/2".

Fusing is to be installed on each energized conductor of the circuit. Fuse holder shall be installed so that the exposed end shall be free of energized parts when disconnected. APS to make the connection in the J-box to its distribution system after city clearances have been issued. NEC approved grounding clamps or Cadweld fusion bonded connections shall be used for bonding bare bond wire and for connections to ground rods.

16. **LIGHT POLE IDENTIFICATION:** The contractor shall furnish and install a number on each light pole. Streetlight pole identification and specifications will be provided by the utility company supplying power. The contractor will coordinate the installation of pole numbers with the utility company. Pole numbers will be on the plans provided by the utility company. Pole identification should be yellow letters/numbers on black background, two inches (2") high.

17. **ENERGIZATION OF NEW STREET LIGHTS:** The city street lighting program (623-930-2019) should be notified when the contractor arranges for any street lights to be energized by the electric company (either APS or SRP).

18. **FINAL ACCEPTANCE BY CITY:** The City of Glendale staff shall perform visual inspection of work progress. Final acceptance of any street light shall be based on inspection and street light

monitoring performance reports showing normal operation or otherwise from the Glendale street light monitoring system for a period of 30 days. A problem identified within this period shall result in contractor notification for repair.

END OF SPECIAL PROVISIONS

Project Life Cycle Cash Flow Schedule



Project No.: 0 Date: _____

Project Name: 0

Company Name: _____ 0

Project Start Date: 0 Project Completion Date: _____

Original Updated Revised

		Estimated		Actual	
Qtr.	Fiscal Yr.	Amount	Accum.	Amount	Accum.
1st	07/13 - 09/13	\$ -	\$ -		
2nd	10/13 - 12/13	\$ -			
3rd	01/14 - 03-14	\$ -			
4th	04/14 - 06/14				
1st	07/14 - 09/14				
2nd	10/14 - 12/14				
3rd	01/15 - 03/15				
4th	04/15 - 06/15				
1st	07/15 - 09/15	\$ -	\$ -	\$ -	\$ -
2nd	10/15 - 12/15	\$ -	\$ -		
3rd	01/16 - 03/16	\$ -	\$ -		
4th	04/16 - 06/16	\$ -	\$ -		
1st	07/16 - 09/16	\$ -	\$ -	\$ -	\$ -
2nd	10/16 - 12/16				
3rd	01/17 - 03/17				
4th	04/17 06/17				
1st	07/17 - 09/17				
2nd	10/17 - 12/17				
3rd	01/18 - 03/18	\$ -	\$ -	\$ -	\$ -
4th	04/18 - 06/18				
Totals		\$ -		\$ -	\$ -

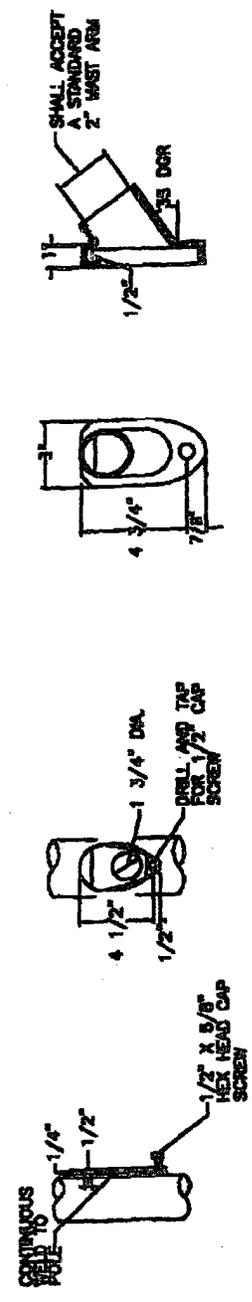
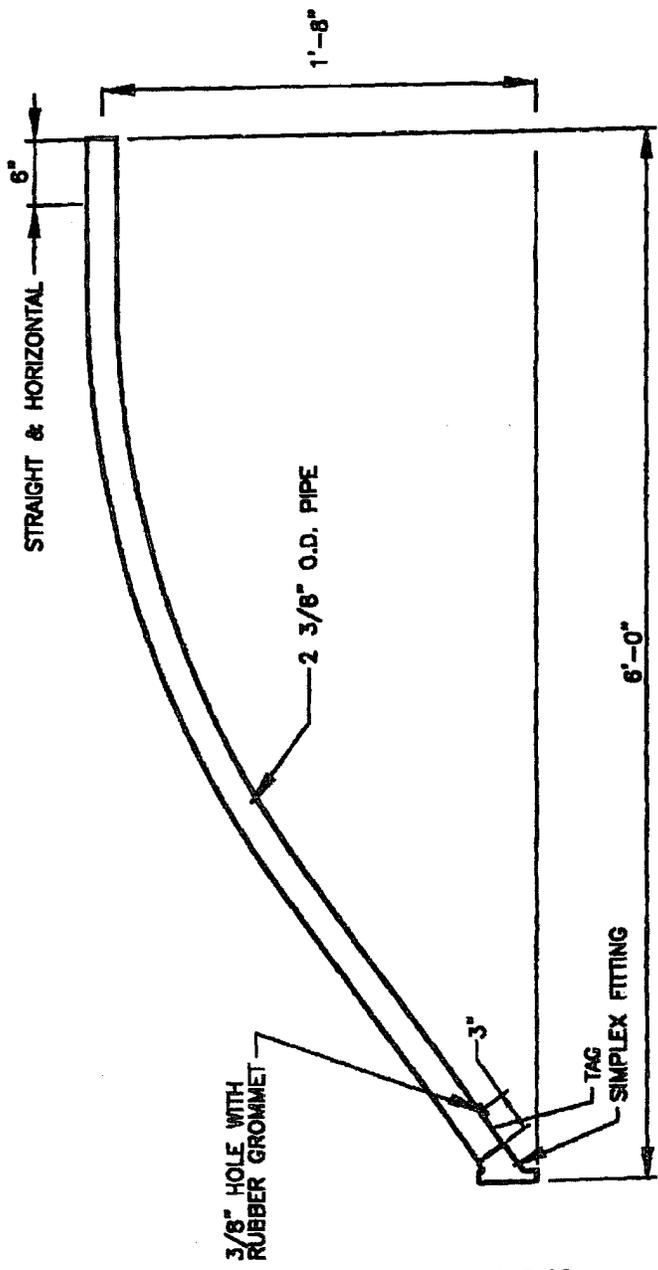
* COG's fiscal year is July 1, (current year) through June 30, (following year)

For Engineering Use Only:

Account No: _____ PO No. _____

SPECIFICATIONS:

- DESIGN CRITERIA:**
 ARM SHALL BE DESIGNED PER AASHTO SPECIFICATIONS AND FOR 100 MPH WINDS.
- ARM SHAFT:**
 THE ARM SHAFT IS FABRICATED FROM A WELDABLE GRADE HOT-ROLLED CARBON STEEL PIPE AND HAS A MINIMUM YIELD STRENGTH OF 42,000 PSI.
- FINISH:**
 THE ARM IS SAND BLASTED TO A NEAR WHITE FINISH AND HOT DIPPED GALVANIZED PER ASTM A123.
- TAG:**
 THE TAG SHALL BE PERMANENTLY ATTACHED AND INCLUDE DATE MANUFACTURED; MANUFACTURER & DRAWING NUMBER.
- USE:**
 USE WITH P3 FOR RESIDENTIAL STREETS.



FEMALE SIMPLEX FITTING

MALE SIMPLEX FITTING

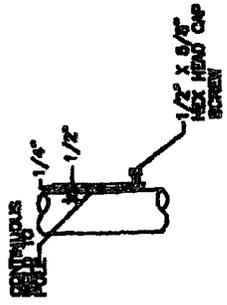
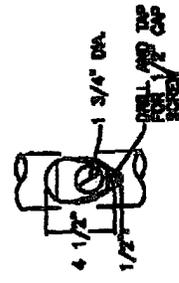
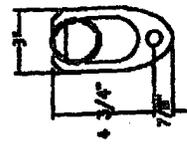
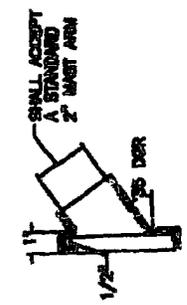
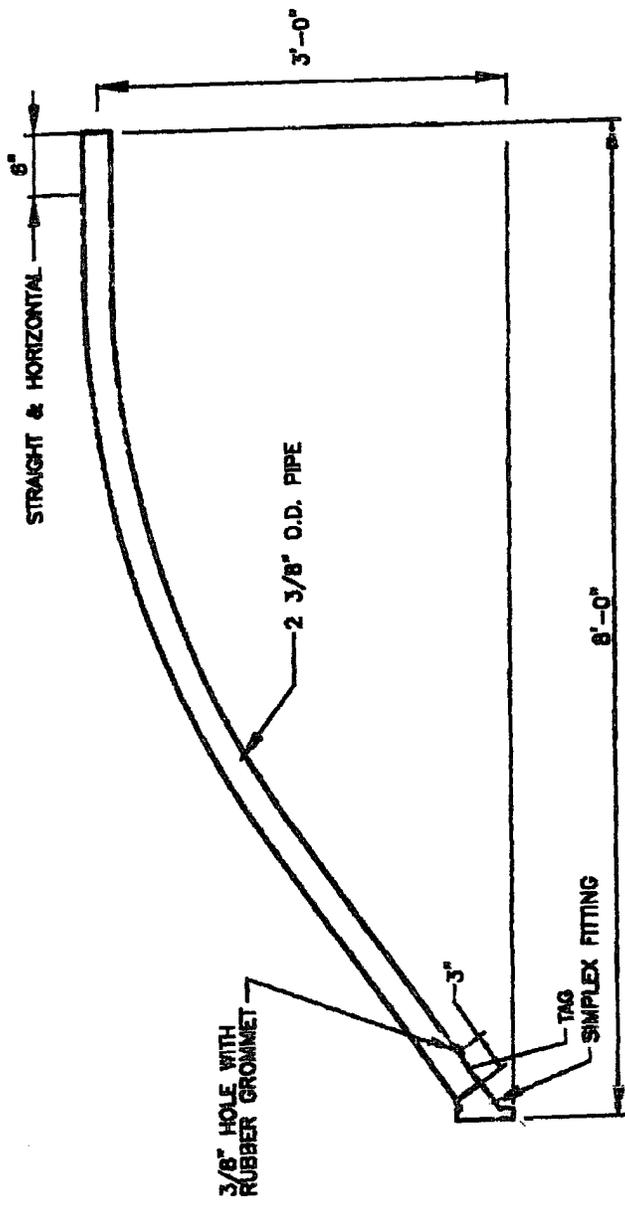
CITY OF GLENDALE "A3"

2/18/2009

Exhibit 5.18

SPECIFICATIONS:

- DESIGN CRITERIA:** ARM SHALL BE DESIGNED PER AASHTO SPECIFICATIONS AND FOR 80 MPH WINDS.
- ARM SHAFT:** THE ARM SHAFT IS FABRICATED FROM A WELDABLE GRADE HOT-ROLLED CARBON STEEL PIPE AND HAS A MINIMUM YIELD STRENGTH OF 42,000 PSI.
- FINISH:** THE ARM IS SAND BLASTED TO A NEAR WHITE FINISH AND HOT DIPPED GALVANIZED PER ASTM A123.
- TAG:** THE TAG SHALL BE PERMANENTLY ATTACHED AND INCLUDE DATE MANUFACTURED; MANUFACTURER'S DRAWING NUMBER.
- USE:** USE WITH P3 FOR COLLECTOR STREETS.



FEMALE SIMPLEX FITTING

MALE SIMPLEX FITTING

Job Name: **CITY OF GLENDALE "A4"**

Date: **3/18/2009**

Exhibit 5.19

SPECIFICATIONS:

DESIGN CRITERIA:
ARM SHALL BE DESIGNED PER AASHTO SPECIFICATIONS AND FOR 80 MPH WINDS.

ARM SHAFT:
THE ARM SHAFT IS FABRICATED FROM A WELDABLE GRADE HOT-ROLLED CARBON STEEL PIPE AND HAS A MINIMUM YIELD STRENGTH OF 42,000 PSI.

FINISH:
THE ARM IS SAND BLASTED TO A NEAR WHITE FINISH AND HOT DIPPED GALVANIZED PER ASTM A123.

TAG:
THE TAG SHALL BE PERMANENTLY ATTACHED AND INCLUDE DATE MANUFACTURED; MANUFACTURER'S DRAWING NUMBER.

USE:
USE WITH P1 AND P9 ON ARTERIAL STREETS.

JOB NAME

CITY OF GLENDALE "A6"

12/6/14

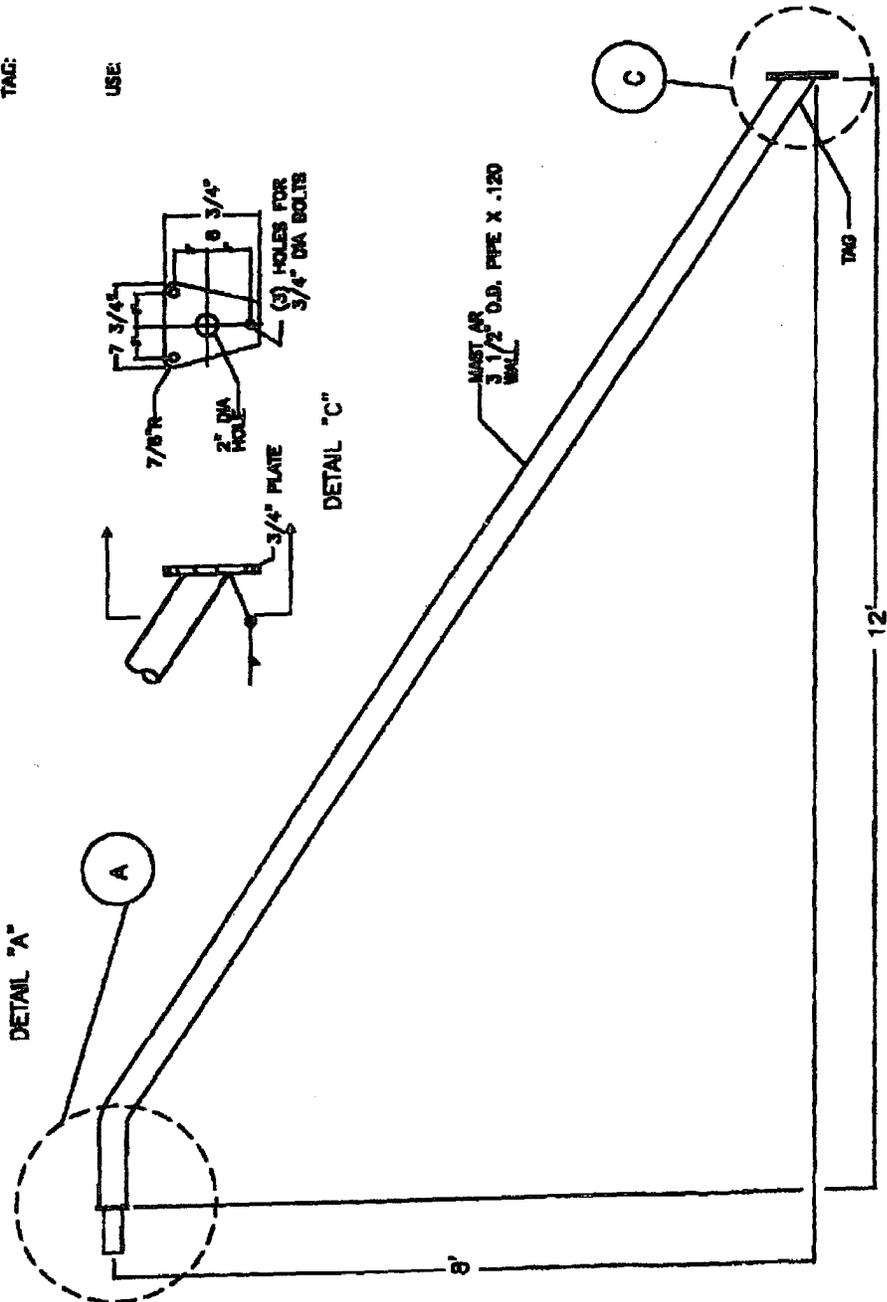
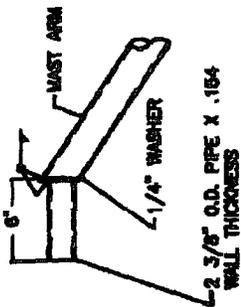


Exhibit 5.21

POLE SHALL BE DESIGNED PER AASHTO SPECIFICATIONS AND FOR 80 MPH WINDS.

THE POLE SHAFT IS FABRICATED FROM A WELDABLE GRADE HOT-ROLLED CARBON STEEL PIPE AND HAS A MINIMUM YIELD STRENGTH OF 42,000 PSI.

THE BASE PLATE IS FABRICATED FROM A STRUCTURAL QUALITY HOT-ROLLED CARBON PLATE THAT MEETS OR EXCEEDS THE REQUIREMENTS OF ASTM A36.

ANCHOR BOLTS ARE FABRICATED FROM HOT-ROLLED CARBON STEEL BAR THAT MEET OR EXCEED REQUIREMENTS OF ASTM A36. EACH BOLT HAS AN 1" BEND ON ONE END AND A MINIMUM 4" THREAD ON THE OTHER. WITH 2 NUTS AND 2 WASHERS (ASSEMBLED), THE ANCHOR BOLT IS HOT-DIPPED GALVANIZED PER ASTM A153.

THE HANDHOLE CONSISTS OF A 3" X 5" RECTANGULAR REINFORCED FRAME WITH 16 GAUGE COVER, STEEL ATTACHMENT BAR, AND 1/4" SCREW. A GROUNDING LUG IS INSTALLED INSIDE THE POLE SHAFT OPPOSITE THE HANDHOLE OPENING. THE HANDHOLE IS WELDED IN THE POLE SHAFT AND LOCATED AT 12" ABOVE THE BASE.

THE POLE IS SAND BLASTED TO A NEAR WHITE FINISH AND HOT DIPPED GALVANIZED PER ASTM A123.

FOR MAST ARM INFORMATION SEE MAST ARM DETAIL SHEETS.

THE TAG SHALL BE PERMANENTLY ATTACHED AND INCLUDE DATE MANUFACTURED, MANUFACTURER & DRAWING NUMBER.

SPECIFICATIONS:
DESIGN CRITERIA:

POLE SHAFT:

ANCHOR BASE:

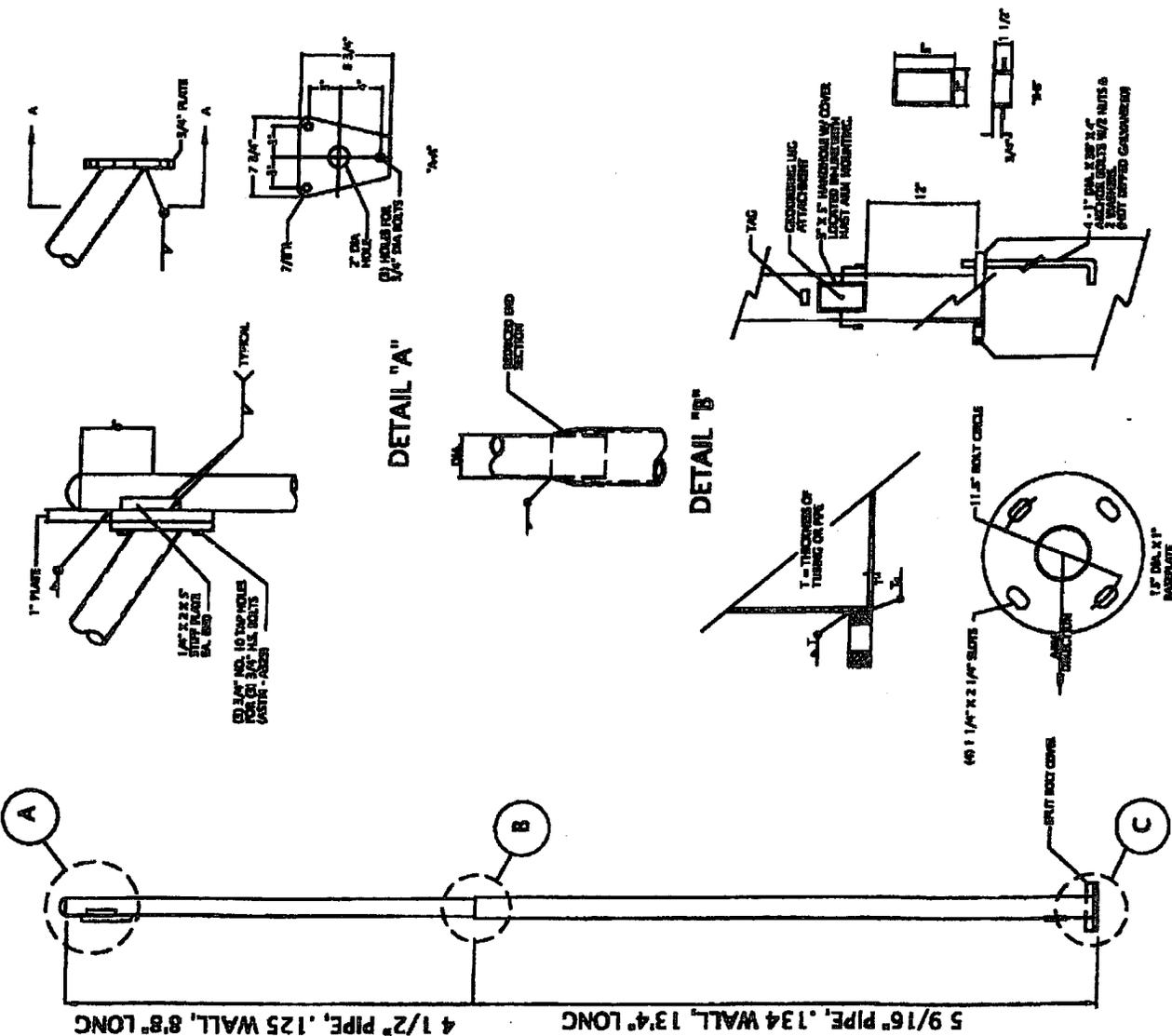
ANCHOR BOLTS:

HANDHOLE:

FINISH:

MAST ARM:

TAG:



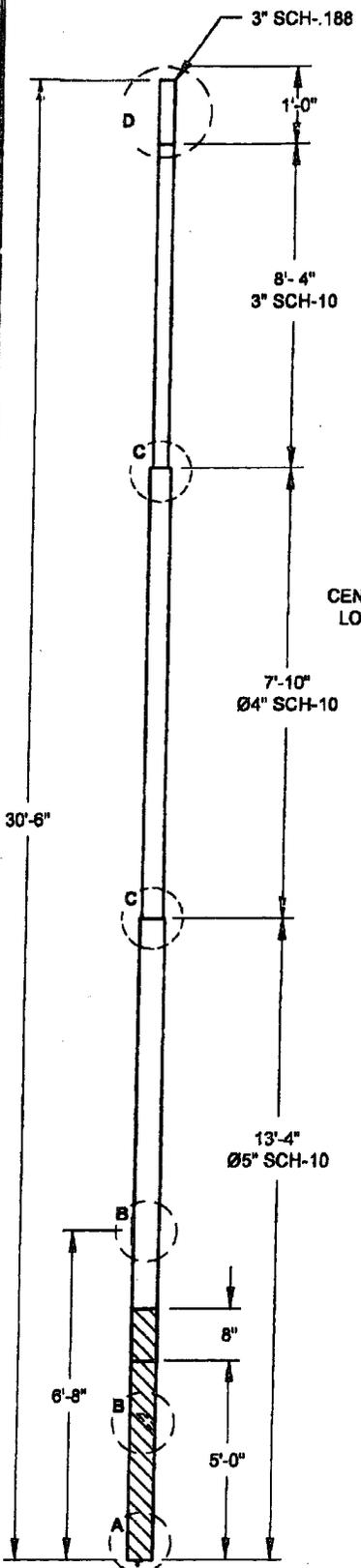
DETAIL "C"

DETAIL "B"

DETAIL "A"

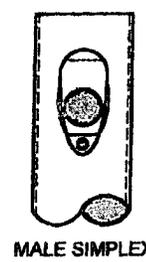
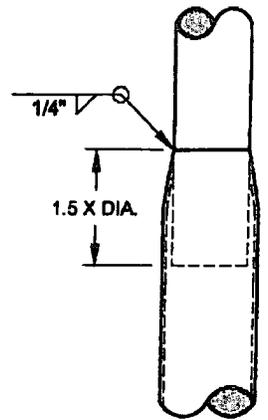
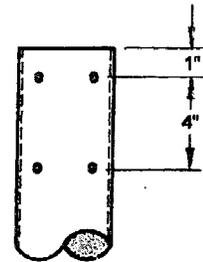
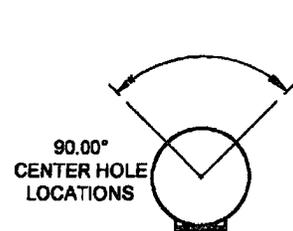
JOB NAME:	CITY OF GLENDALE "P1"
DATE:	2/18/2009

Exhibit 5.1



NOTE(S):

1. ALL WIRE ENTRANCE AND EXIT HOLES SHALL BE FREE OF ALL BURRS AND SHARP EDGES.
2. SOME HIDDEN LINES NOT SHOWN FOR CLARITY.
3. DRAWING NOT TO SCALE.
4. TAG SHALL BE PERMANENTLY ATTACHED AND INCLUDE: DATE MANUFACTURED, MANUFACTURER AND DRAWING NUMBER.
5. THE POLE SHAFT IS FABRICATED FROM A WELDABLE GRADE HOT-ROLLED CARBON STEEL PIPE AND HAS A MINIMUM YIELD STRENGTH OF 42,000 PSI.
6. THE POLE IS SAND BLASTED TO A NEAR WHITE FINISH AND HOT DIPPED GALVANIZED PER ASTM A123. AFTER POLE HAS BEEN GALVANIZED THE POLE BUTT SHALL BE CONFORMABLY TAPED WITH CORROSION PROTECTION TAPE. THE UPPER SECTION OF THE TAPE SHALL BE TAPECOAT AND SHALL BE APPLIED TO THE STRUCTURE FIRST, STARTING AT THE HIGHEST POINT AND WRAPPING (1/8" LAP) TOWARDS THE BASE FOR 24". THE LOWER SECTION OF TAPE SHALL BE 20 MIL TAPE THAT WILL BE NEXT STARTING AT THE TOP AND WRAPPING (1/2" LAP) TOWARDS THE BASE OF THE POLE. THE LOWER SECTION SHALL OVERLAP THE UPPER SECTION BY AT LEAST ONE LAP. NO STRUCTURE SHALL BE EXPOSED BETWEEN LAPS.

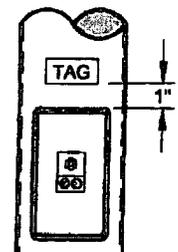
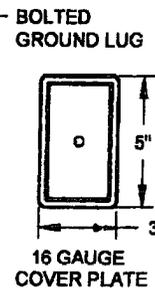
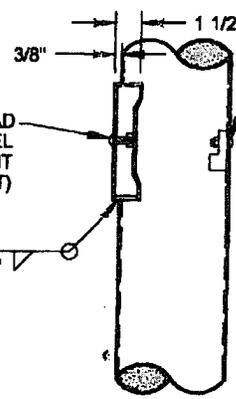


1/2"-13X1" (GRADE 5)
HEX HEAD CAP SCREW

DETAIL - C

DETAIL - D

1/4"-20 BUTTON HEAD
STAINLESS STEEL
TAMPER RESISTANT
(WITH WING NUT)



3" x 3" x 3/16"
ANGLE (NO TAPE)

TACK WELD
ANGLE CORNERS

1 1/2" I.D. X 6" LONG
PIPE
(OPPOSITE
SIMPLEX FITTING
& HANDHOLE)

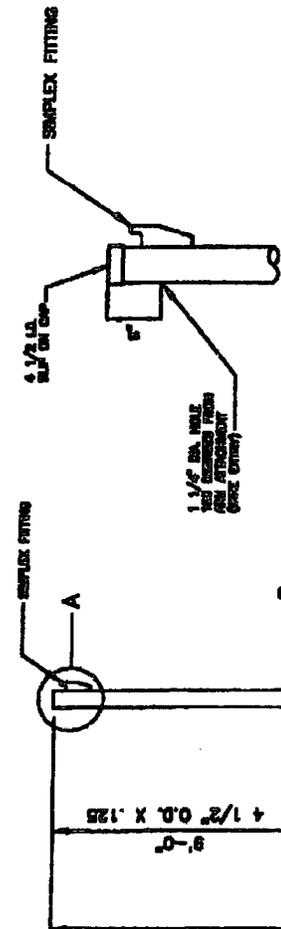
DETAIL - A

DETAIL - B

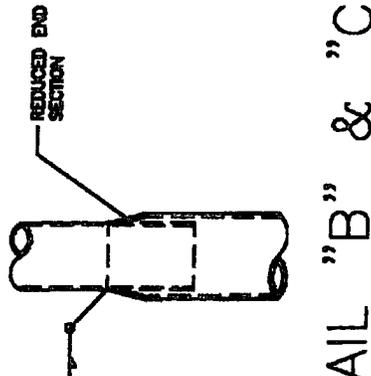
POLE ASSEMBLY

P3
30'-6" ROUND DB POLE
GLENDAL

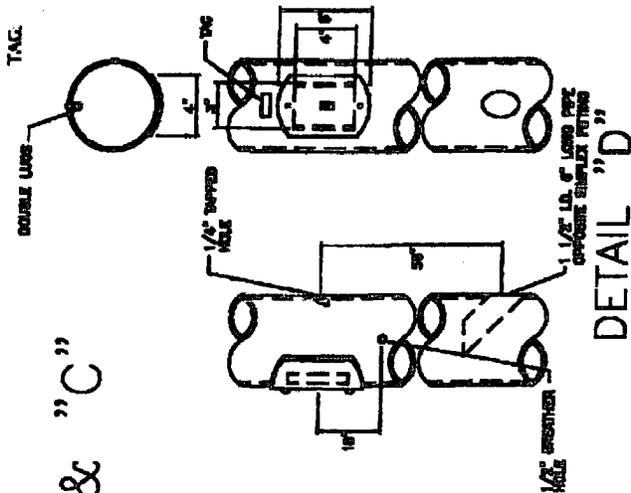
DRAWN BY: JGH
DATE: 17SEPT2015
FILE: POLESIGLENDAL
DWG NO.: P3
SHEET: 1 OF 1



DETAIL "A"



DETAIL "B" & "C"



DETAIL "D"

SPECIFICATIONS:

DESIGN CRITERIA: POLE SHALL BE DESIGNED PER AASHTO SPECIFICATIONS AND FOR 80 MPH WINDS.

POLE SHAFT:

THE POLE SHAFT IS FABRICATED FROM A WELDABLE GRADE HOT-ROLLED CARBON STEEL PIPE AND HAS A MINIMUM YIELD STRENGTH OF 42,000 PSI.

HANDHOLE:

THE HANDHOLE CONSISTS OF A 3" X 5" NON-REINFORCED OPENING WITH 16 GAUGE COVER AND (2) TAMPER PROOF 1/4" SCREWS. A GROUNDING LUG IS INSTALLED INSIDE THE POLE SHAFT OPPOSITE THE HANDHOLE OPENING. THE HANDHOLE IS LOCATED AT 7'-2" FROM THE BOTTOM OF POLE.

FINISH:

THE POLE IS SAND BLASTED TO A NEAR WHITE FINISH AND HOT DIPPED GALVANIZED PER ASTM A123. AFTER POLE HAS BEEN GALVANIZED THE POLE BUTT SHALL BE CONFORMALLY TAPED WITH CORROSION PROTECTION TAPE. THE UPPER SECTION OF TAPE SHALL BE TAPECOAT AND SHALL BE APPLIED TO THE STRUCTURE FIRST, STARTING AT THE HIGHEST POINT AND WRAPPING (1/8 LAP) TOWARDS THE BASE FOR 24". THE LOWER SECTION OF TAPE SHALL BE 20 MIL TAPE THAT WILL BE APPLIED NEXT STARTING AT THE TOP AND WRAPPING (1/2 LAP) TOWARDS THE BASE OF THE POLE. THE LOWER SECTION SHALL OVERLAP THE UPPER SECTION BY AT LEAST ONE LAP. NO STRUCTURE SHALL BE EXPOSED BETWEEN LAPS.

MAST ARM:

FOR MAST ARM INFORMATION SEE MAST ARM DETAIL SHEETS.

TAG:

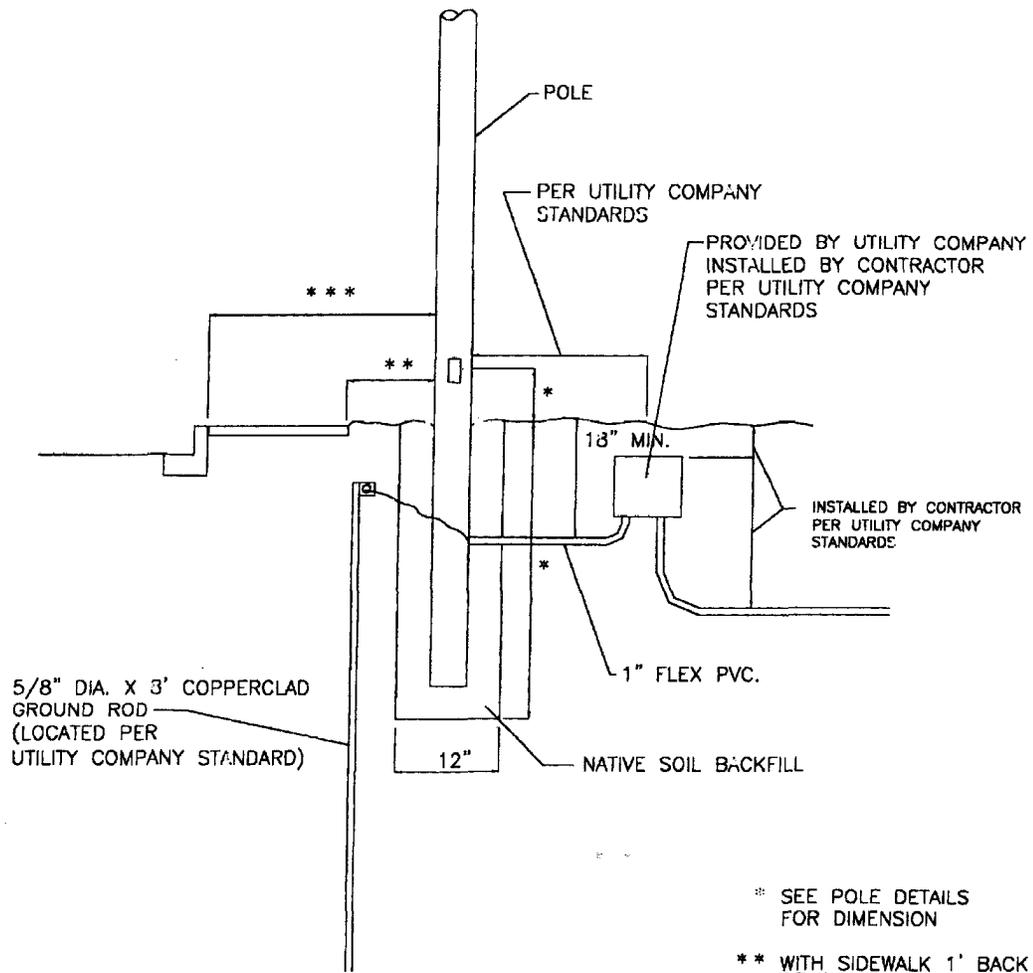
THE TAG SHALL BE PERMANENTLY ATTACHED AND INCLUDE DATE MANUFACTURED; MANUFACTURER & DRAWING NUMBER.

JOB NAME:

CITY OF GLENDALE "P7"

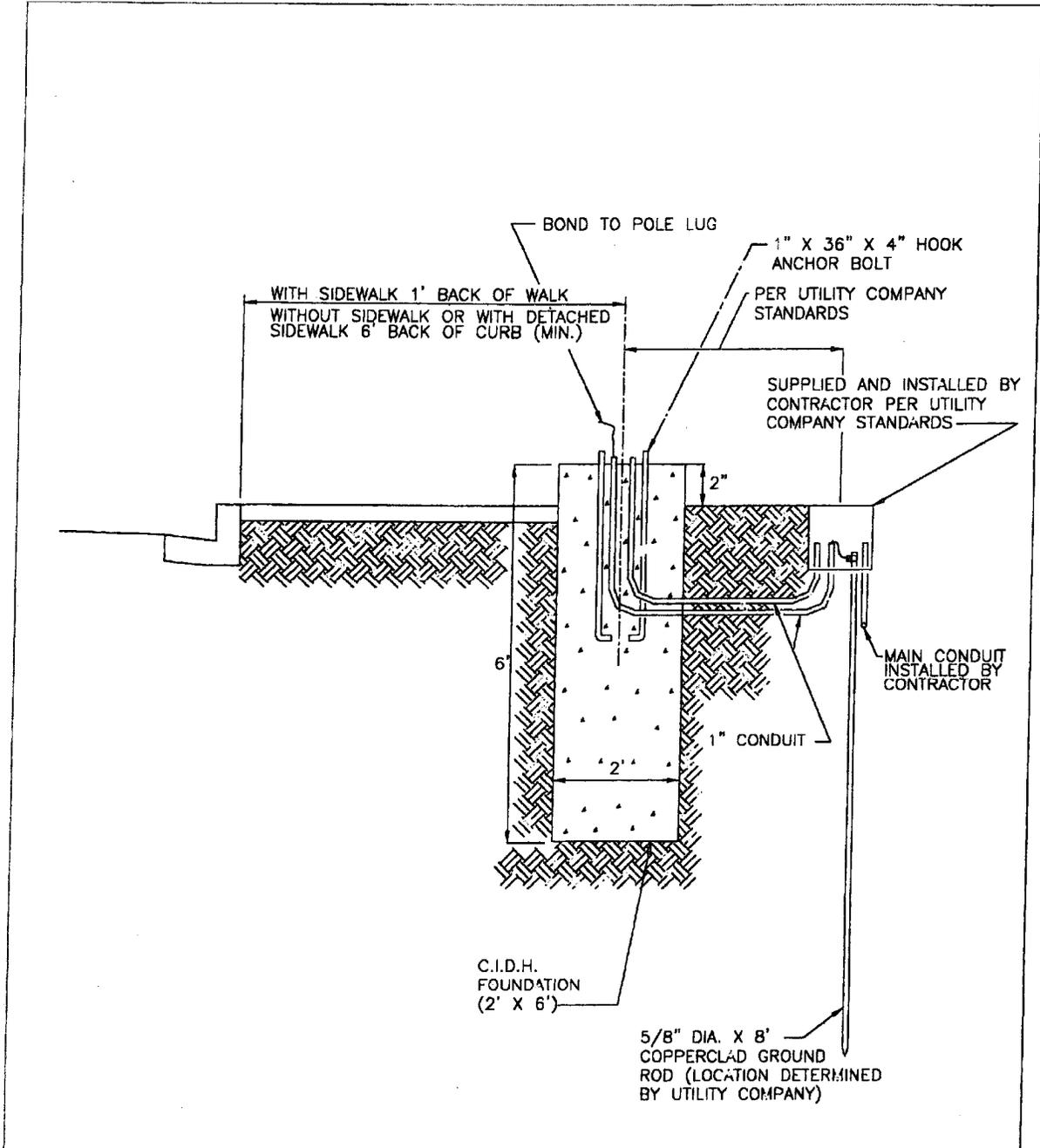
DATE:

10/10/2012



- * SEE POLE DETAILS FOR DIMENSION
- ** WITH SIDEWALK 1' BACK OF WALK
- *** WITHOUT SIDEWALK 3' BACK OF CURB (MIN.)

REVISION			CITY OF GLENDALE STREET LIGHTING STANDARDS	
5/92	0	ORIGINAL DWG	EMBEDDED POLE DETAIL	
3/00	1	WALK TO CURB	DESIGN BY:	PF1
			APPROVED BY:	
			DRAWING: GLNDLPPFDWG	



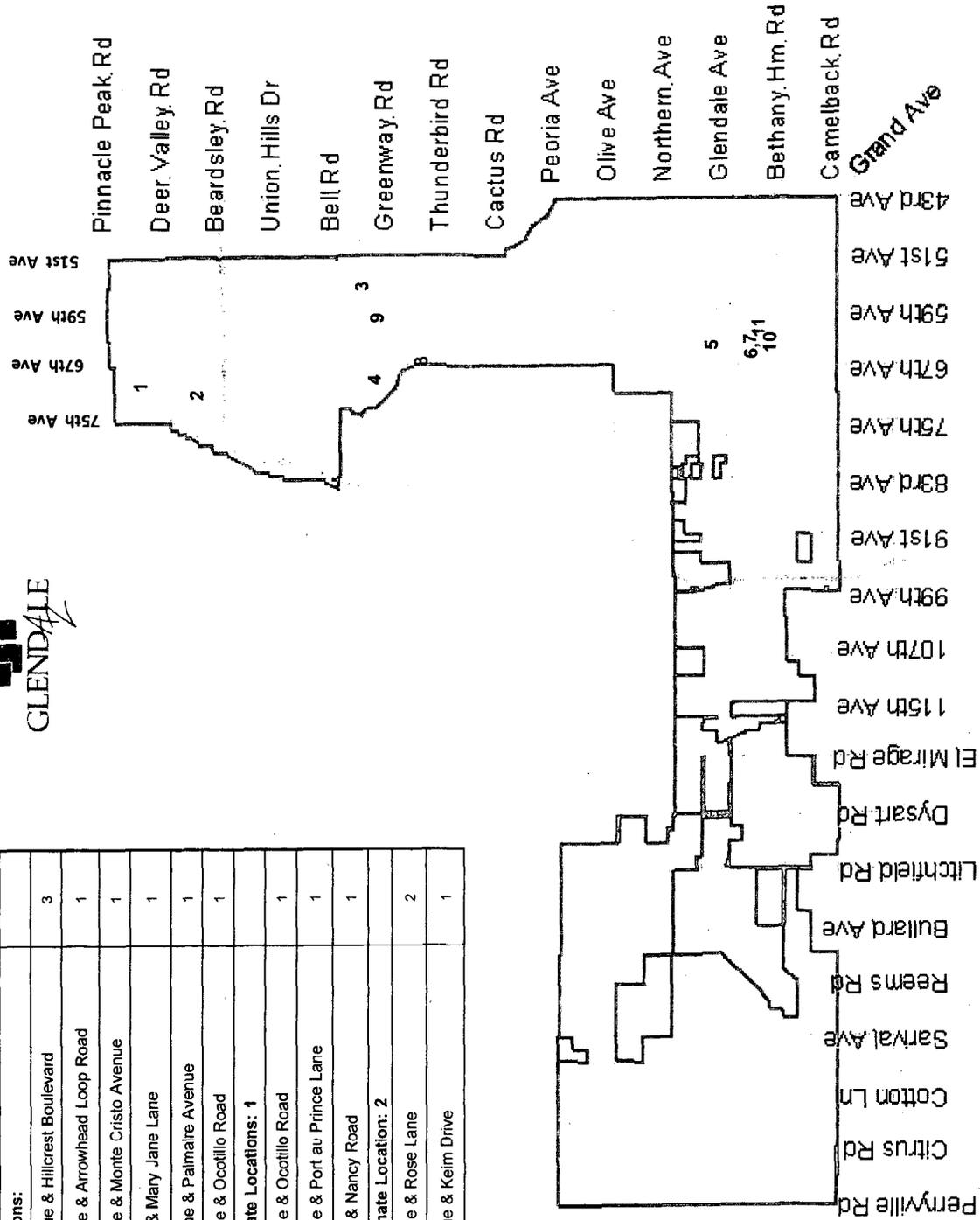
REVISION		
5/92	0	ORIGINAL DWG
5/06	1	GROUND ROD & 2ND 1" CONDUIT INTO J-BOX

CITY OF GLENDALE STREET LIGHTING STANDARDS	
POLE FOUNDATION DETAIL	
DESIGN BY:	PF2
APPROVED BY:	
DRAWING: GLNDL.PF2.DWG	



FY 2016 Street Light Infill Project # 151607

ID#	Location	Quantity
Bid Locations:		
1	71st Avenue & Hillcrest Boulevard	3
2	71st Avenue & Arrowhead Loop Road	1
3	55th Avenue & Monte Cristo Avenue	1
4	67th Drive & Mary Jane Lane	1
5	62nd Avenue & Palmyra Avenue	1
6	65th Avenue & Ocotillo Road	1
Bid Alternate Locations: 1		
7	63rd Avenue & Ocotillo Road	1
8	67th Avenue & Port au Prince Lane	1
9	59th Circle & Nancy Road	1
Bid Alternate Location: 2		
10	65th Avenue & Rose Lane	2
11	64th Avenue & Keim Drive	1



Traffic Engineering Division
 5850 W. Glendale Ave, Ste.
 315 Glendale, AZ 85301

