

**CITY CLERK  
ORIGINAL**

**CONTRACT SET  
C-7981**

**0 PROJECT SPECIFICATIONS AND  
CONTRACT DOCUMENTS**

**C-7981  
03/27/2012**

**PROJECT 091041**

**59<sup>TH</sup> AVENUE AT THUNDERBIRD PARK TRAFFIC BARRIER  
IMPROVEMENTS**

**FEBRUARY 2012**



**CITY OF GLENDALE**

**EXP 03/31/2013**

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



Engineering Department

# Memorandum

DATE: February 7, 2012  
TO: All Plan and Specification Holders  
FROM: Engineering Department  
SUBJECT: 091041 – 59<sup>th</sup> Avenue at Thunderbird Park Traffic Barrier Improvements

## ADDENDUM NO. 2

In accordance with the contract documents "Information for Bidders," Page 4, Paragraph 10. 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 #11 of the Information for Bidders.

**\*Please add the attached Supplemental Special Provisions to the bid documents.**

**SUPPLEMENTAL SPECIAL PROVISIONS - FINISHES PAINTING AND SEALING**



## SUPPLEMENTAL SPECIAL PROVISION FINISHES -PAINTING AND SEALING

PART 1-GENERAL: The Contractor shall seal, prime and paint the surface of the constructed barrier to match the existing barrier as closely as possible.

A. Work Included:

1. All labor, materials, equipment and services necessary to furnish and install all primers, painting, coatings and sealants as indicated or specified.

B. Quality Assurance:

1. All finishes and coatings shall be of product quality and applied strict accordance with manufacturer's specifications and directions. Approved manufacturers are as follow:
  - a. Exterior grade, acrylic emulsion primers and paints for concrete and stucco surfaces: Dunn Edwards or Frazee,
  - b. Approved primer sealer shall be EFF-STOP-Concrete sealer (W 709), EVERSIELD-Exterior masonry finish (W 701) or approved equal.
2. Acrylic emulsion paints and other specified coatings or sealers shall be applied by an Arizona Licensed Painting Contractor that is acceptable to the manufacturer and approved by the City Engineer.

C. Submittals:

1. Submit manufacturer's data, color chip and application instructions for each product and prepare required samples for approval as indicated. Approved samples to be representative of the specified finish work and will be maintained through final acceptance for quality control comparison.
2. Prior to application of the acrylic emulsion paint, the Contractor shall provide the Owner's Representative with Certificates of Analysis in accordance with Subsection 106.05 of the Standard Specifications. The Contractor shall also furnish the Owner's Representative with independent laboratory test reports, which certify compliance of the paint with each of the specified physical, and chemical, and performance requirements. In addition, the product data sheets listing the paint constituents and their proportions as well as materials safety data sheets are required for any paint material supplied which is not on the approved manufacturer's list of acrylic emulsion paints for concrete surfaces.

D. Product Delivery, Storage and Handling:

1. Transport and deliver all products in new unopened containers and store in a secured and protected area to avoid any damage or deterioration.
2. Acrylic emulsion paints and sealers shall be furnished in new, unopened, air-tight containers which are clearly labeled with the exact title of the paint material, Federal Specification number (when applicable), name and address of manufacturer, date of paint manufacture and the lot or batch number. The transport of containers shall conform to U.S. Department of Transportation Hazardous Material Shipping Regulations.
3. Precautions concerning the handling and the application of the paint shall be shown on the label of paint containers.

E. Job Conditions:

1. Protection and Curing
  - a. Furnish temporary protection for all painted, sealed or coated surfaces and finishes. Protect adjacent materials, surfaces and finishes from splatters, drips, over spray or drift. Protect all finishes from any other type of damage, staining or soiling at all times.
  - b. Vehicular and pedestrian pavements and any other adjacent non-monument structures or surfaces shall be excluded from painting. Painting shall be limited to the surfaces of the monument as

indicated on the. Review limits of painting with Owner's Representative prior to starting any surface preparation.

- c. The Contractor shall provide such protection as is necessary to prevent damage to the work, or to property or persons, as a result of painting, sealing or cleaning operations.

2. Product Coverage's

- a. Paint: All exposed concrete or stucco finish surfaces of the monument structure including the sides of the concrete footings that are visible or exposed. Extend paint coverage to at least six inches below finish grade.
- b. Graffiti Resistant Sealer: All visible or exposed masonry brick, architectural pre-cast concrete units and stucco surfaces shall receive application of sealer as recommended by the manufacturer.

PART 2 -PRODUCTS:

A. Materials:

1 Acrylic emulsion paint will be sampled and tested on a lot basis. At least one sample, not less than one quart in size, will be taken and tested. Random samples may be taken at the discretion of the Owner's Representative. The acrylic emulsion paint shall be ready-mixed at the manufacturer's plant.

2 Physical and Chemical Requirements:

3 The water-borne acrylic emulsion paint shall conform to the requirements of Federal Specifications TT-P-19D for Paint, Acrylic Emulsion, and Exterior. Deviations from the physical and chemical requirements of TT-P-19D may be allowed by the Owner's Representative provided that the paint is an acrylic emulsion, applicable air pollution standards are met, and all performance requirements of TT-P-19D or as specified herein are met. The following are physical and chemical requirements for TT-P-19D paint, which shall be adhered to unless otherwise approved by the Owner's Representative.

<u>Material Property</u>	<u>Requirement</u>	<u>Test Method</u>
Resin	100% Acrylic	ASTM D2621
Volatile Organic Content (lb/gal)	2.1 max.	ASTM D3960
Total Solids by Weight (%)	50 min.	ASTM D2369
Total Solids by Volume (%)	40 min.	ASTM D2697
Nonvolatile Organic Content by Weight (%)	19 min.	ASTM D3723
Consistency (KU)	80-100	ASTM D562
Fineness of Dispersion	4 min.	ASTM D1210
Dry Time, Set-to-Touch	10 minutes min.	ASTM D1640
Dry Time, Through	2 hrs. max.	ASTM D1640

4 TT-P-19D Requirements:

All performance requirements listed in SECTION 3 of Federal Specification TT-P-19D will be met as specified, when tested according to the applicable test methods as set forth in SECTION 4.

PART 3-EXECUTION:

A. The method of application, the rate of application, the number of coats of application (minimum of two normally) and the surface temperature range of application shall be in accordance with the manufacturer's written recommendations. A copy of these recommendations shall be furnished to the Owner's Representative prior to application of the paint.

B. The Contractor shall furnish five (5) preliminary samples of concrete with the required acrylic emulsion paint applied. Samples one (1) and two (2) shall be lighter shades of the specified color; and samples four (4) and five (5) shall be darker shades of the specified color. Sample three (3) shall be the specified color. All of the samples shall be applied to a surface that receives open sunlight and each of the samples shall be located within 18" of each other. Each sample shall measure two feet (2') by two feet (2') and the concrete shall have a surface similar in pattern and texture to that to be used on the work. The paint shall be applied using the same methods that will be used to paint the concrete structures.

- C. After the preliminary sample has been approved by the Owner's Representative, a final sample shall be furnished measuring at least four feet (4') by four feet (4'). It shall be prepared as specified hereinbefore for the preliminary sample and shall be protected at the project site until final acceptance.
- D. Inspection testing of the paint finish on both the preliminary and final samples will be performed by the Owner's Representative. Such testing will consist of the same adhesion tests specified herein under Subsection 2.03 C) "Resistance to Peeling and Flaking," to verify penetration and adhesion of the paint finish.
- E. No paint or sealer shall be applied on the project until the Owner's Representative has approved the final sample.
- F. All concrete, masonry and stucco shall be finished and cured in accordance with the requirements of the Specifications prior to the application of paint. All paint shall be dry prior to the application of sealer.
- G. Before the paint is to be applied, the concrete surfaces to be painted shall be sandblasted, then cleaned or washed in accordance with the paint manufacturer's written recommendations to remove all dirt, dust, curing agents, form release agents, efflorescence, scale or other foreign substances which could be detrimental to the paint application, adherence or color. All sandblasting shall be performed in strict compliance with regulations of local and governing authorities. All surfaces to be painted shall be clean, completely dry, unless otherwise recommended by the paint manufacturer, and free of frost or other foreign substances at the time of the application of the paint. Washing the sandblasted surface may be necessary to remove fine dust left over from blasting and to lower the pH of the surface to provide better paint adhesion.
- H. After the structure has been prepared for the application of paint and prior to application, the Contractor and a representative from the manufacturer of the paint shall inspect the surfaces to be painted and, if in agreement, shall notify the City Engineer in writing that the surfaces are satisfactory for the paint to be applied. The Contractor shall not commence application of the paint without specific approval from the Manufacturer's Representative and written notification to the City Engineer.
- I. Random inspection testing of the completed paint finish will be performed by the Owner's Representative. Such testing shall consist of the same adhesion tests specified herein under "Resistance to Peeling and Flaking," to verify adhesion of the paint finish. Any areas that show evidence of peeling or flaking shall be sandblasted and cleaned as previously specified, and refinished to match the paint finish of the surrounding concrete surfaces. The Contractor shall repair, restore and repaint all damaged test inspection areas.
- J. Optional Form-Liner Painting -Form-liner concrete surfaces with stone relief texturing, shall be painted by a licensed painting professional with the capability and experience necessary to simulate and replicate the appearance of the natural rock surfaces indigenous to the site. Each individual textured stone relief shall be individually hand painted and blended using a minimum of six (6) colors, as necessary, to match the coloring and natural weathered patina of the native exposed rock surfaces found on the mountains adjacent to the site. The joints separating each of the individual textured stone relief shall also be painted (color to be selected by the Owner's Representative) The Contractor is required to construct a complete eight foot (8') by eight foot (8') sample of the selected Form-liner as a base surface to prepare painting samples for review and approval. The Contractor shall be required to prepare and repeat the preparation of as many painted samples as necessary to achieve approval from the Owner's Representative. The Contractor is required to provide a written warranty for all painted surfaces against fading, flaking or peeling for a minimum of eight (8) years.

#### MEASUREMENT AND PAYMENT:

All painting and finish work as described herein and where called for on the drawings shall be considered incidental to the item onto which the required painting and finishes are applied. No additional compensation shall be provided for painting and finishes beyond the amount bid for the specified item receiving the paint or finish application. The amount bid for the item indicated in the Schedule of Bid Items, shall be considered full compensation for the work complete and in place per the requirements indicated herein or as shown on the drawings.

\*\*\*END SECTION FINISHES -PAINTING AND SEALING\*\*\*



# Engineering Department

# Memorandum

DATE: February 6, 2012  
TO: All Plan and Specification Holders  
FROM: Community Development/Engineering  
SUBJECT: 091041 – 59<sup>th</sup> Avenue at Thunderbird Park Traffic Barrier Improvements

## ADDENDUM NO. 1

In accordance with the contract documents "Information for Bidders," Page 4, Paragraph 10. 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 #11 of the Information for Bidders.

**\*PLEASE REPLACE THE BID SCHEDULE WITH THE ATTACHED REVISED BID SCHEDULE.**

Description of changes to original Bid Schedule:

Bid Item No. 2 – Public Information/Newsletter has been removed from the bid schedule.

Bid Item No. 6 – Landscape Protection has been removed from the bid schedule.

Bid Item No. 8 (revised Item 6) – Revise the bid item description to – “4.5” AC Pavement on 10” Base”.

Bid Item No. 9 (revised Item 7) – Quantity for Concrete Half Barrier Transition “Type F” (per ADOT Detail C-10.50) is revised to 40 LF.

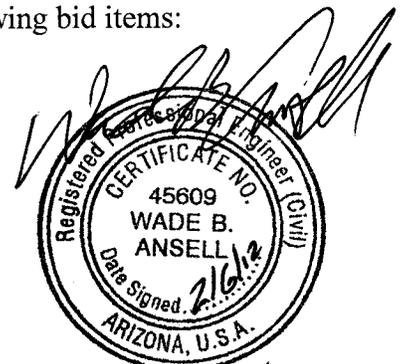
Bid Item No. 16 (revised Item 14) – Revise the bid item description to – “3/4”, Sch. 40 PVC Pipe”.

Bid Item No. 17 (revised Item 15) – Revise the bid item description to – “2” Sch. 40 PVC Pipe”.

On plan sheet 2 of 4 “Pavement Section” detail remove the reference to “Tack Coat”. Also remove the supplemental specification for “TACK COAT” on page 50 of the PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS. The contractor shall seal all joints. Please see the attached Supplemental Specification for joint sealant.

Please see the attached Supplemental Specification language for the following bid items:

Bid Item No. 7 (revised Item 5) - Existing irrigation system modification.



EXP. 03/31/2013

**SUPPLEMENTAL SPECIFICATIONS – JOINT SEALANT**

The Contractor shall use a joint sealant per City of Glendale Standard Detail G-317. Joint sealant is incidental to paving and pavement replacement and the costs of joint sealing shall be included in the costs of the paving. There shall be no separate payment for this item.

\*\*\*END OF SUPPLEMENTAL SPECIFICATIONS – JOINT SEALANT\*\*\*

**SUPPLEMENTAL SPECIFICATIONS – EXISTING IRRIGATION SYSTEM MODIFICATION**

The Contractor shall modify the existing irrigation system pipes and emitters to tie into the new irrigation pipes and ensure that the new pipes and system are fully functional. Payment for this work shall be made on a lump sum basis.

\*\*\*END OF SUPPLEMENTAL SPECIFICATIONS – EXISTING IRRIGATION SYSTEM MODIFICATION\*\*\*

**REVISED BID SCHEDULE – 2/6/2012**

**PROJECT 091041-59<sup>TH</sup> AVENUE AT THUNDERBIRD PARK TRAFFIC BARRIER IMPROVEMENTS**

<b>Item No.</b>	<b>Item Description</b>	<b>Item Unit</b>	<b>QTY.</b>	<b>UNIT COST</b>	<b>TOTAL COST</b>
1	Construction Surveying And Layout	LS	1		
2	Allowance for Owner Construction Contingencies	LS	1	\$4,500.00	\$4,500.00
3	Mobilization / Demobilization	LS	1		
4	Traffic Control	LS	1		
5	Existing Irrigation System Modification	LS	1		
6	4.5" AC Pavement on 10" Base	SY	81		
7	Concrete Half Barrier Transition "Type F" (per ADOT Detail C-10.75)	LF	40		
8	Concrete Half Barrier 32" Type "F" (per ADOT Detail C- 10.50)	LF	161		
9	Concrete Single Curb, Std. Detail 222, Type "A"	LF	2		
10	Barrier Reflector	EA	5		
11	Saw Cut and Remove Pavement	LF	162		
12	Saw Cut and Remove Concrete Curb	LF	161		
13	Saw Cut and Remove Concrete Barrier	LF	20		
14	3/4", SCH 40 PVC Irrigation Pipe	LF	338		
15	2" SCH 40 PVC Irrigation Pipe	LF	169		
<b>TOTAL</b>					

# PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS

## MAYOR

Elaine M. Scruggs

## VICE-MAYOR

Manuel D. Martinez

## COUNCIL MEMBERS

Joyce V. Clark

Steven E. Frate

David M. Goulet

Yvonne J. Knaack

H. Philip Lieberman

## CITY MANAGER

Ed Beasley

## CITY CLERK

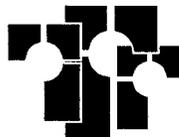
Pamela Hanna

## CITY ATTORNEY

Craig D. Tindall

## ACTING CITY ENGINEER

Gregory Rodzenko



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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. 091041 - 59TH AVENUE AT THUNDERBIRD PARK TRAFFIC BARRIER IMPROVEMENTS.** This project extends the median barrier along 59<sup>th</sup> Avenue at Thunderbird Park.

Bids must be received by the Engineering Department of the City of Glendale no later than 2:00 P.M., FEBRUARY 9, 2012. 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 \$30.00 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: JANUARY 19 AND 26, 2012  
The Glendale Star

INFORMATION FOR BIDDERS

1. ELIGIBILITY OF CONTRACTORS: When calling for bids for contracts for public work to be performed on behalf of the State or any political subdivision thereof, which will be paid for from public funds, no bid shall be considered for performance of a contract, including construction work which is not submitted by a bidder duly licensed as a contractor in this State. No bid shall be awarded to any contractor or entity not authorized to do business in the State of Arizona by the Arizona Corporation Commission, as required by statute.

2. PROPOSAL: Bids to receive consideration shall be made in accordance with the following instructions:

(a) Before submitting a bid, bidders shall carefully examine the plans and specifications and contract documents, visit the site of the work, fully inform themselves as to all existing conditions and limitations.

(b) Bids shall be submitted on the "PROPOSAL" forms provided and delivered to the City of Glendale Engineering Department on or before the day and hour set in the "NOTICE TO CONTRACTORS," as published. Bids shall be enclosed in a sealed envelope marked on the outside lower right-hand corner indicating:

1. The bidder's name and address.
2. The project number.
3. The title of the project.
4. The time and date the bids are to be received.

(c) It is the sole responsibility of the bidder to see that his bid is received in proper time. Any bids received after the scheduled closing time for receipt of bids will be returned to the bidder unopened.

(d) The signatures of all persons shall be in longhand. Any interlineations, alterations, or erasures must be initialed by the signer of the bid.

(e) Bids shall not contain any recapitulations of the work to be done. No oral, telegraphic, telephonic, or modified proposals will be considered.

3. BID SECURITY: Each proposal shall be accompanied by a proposal guarantee in the form of a certified or cashier's check or bid bond, with a properly executed Power of Attorney attached, in an amount equal at least to ten percent (10%) of the proposal payable without condition to the City. If a bid bond is submitted with the bid it shall be issued by a company 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 the bid bond shall have a rating of not less than A- in the BEST rating available at the time this project was let to bid.** The proposal guarantee shall guarantee that the bidder, if awarded the contract, will, within ten (10) working days after the award, execute such contract in accordance with the proposal and in manner and form required by the contract documents, and will furnish good and sufficient bond for the faithful performance of the same, a payment bond and a certificate of insurance. The bid securities of the three (3) lowest bidders will be retained until the contract is awarded, or other disposition made thereof. The bid securities of all bidders, except the three (3) lowest, will be returned promptly after the canvass of bids. In the event the Contractor fails, within ten (10)

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 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\*\*\*

PROPOSALPlace Glendale, ArizonaDate February 9, 2012

Proposal of C.T. Price Contracting 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 091041 - 59TH AVENUE AT THUNDERBIRD PARK TRAFFIC BARRIER IMPROVEMENTS**, 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.)

**REVISED BID SCHEDULE - 2/6/2012**

**PROJECT 091041-59<sup>TH</sup> AVENUE AT THUNDERBIRD PARK TRAFFIC BARRIER IMPROVEMENTS**

No.	Description	Unit	Quantity	Unit Price	Total Price
1	Construction Surveying And Layout	LS	1	2,125.00	2,125.00
2	Allowance for Owner Construction Contingencies	LS	1	\$4,500.00	\$4,500.00
3	Mobilization / Demobilization	LS	1	1,200.00	1,200.00
4	Traffic Control	LS	1	1,775.00	1,775.00
5	Existing Irrigation System Modification	LS	1	960.00	960.00
6	4.5" AC Pavement on 10" Base	SY	81	121.23	9,820.00
7	Concrete Half Barrier Transition "Type F" (per ADOT Detail C-10.75)	LF	40	72.00	2,880.00
8	Concrete Half Barrier 32" Type "F" (per ADOT Detail C- 10.50)	LF	161	114.57	18,445.00
9	Concrete Single Curb, Std. Detail 222, Type "A"	LF	2	30.00	60.00
10	Barrier Reflector	EA	5	48.00	240.00
11	Saw Cut and Remove Pavement	LF	162	8.83	1,430.00
12	Saw Cut and Remove Concrete Curb	LF	161	6.74	1,085.00
13	Saw Cut and Remove Concrete Barrier	LF	20	100.75	2,015.00
14	3/4", SCH 40 PVC Irrigation Pipe	LF	338	6.92	2,340.00
15	2" SCH 40 PVC Irrigation Pipe	LF	169	16.27	2,750.00
<b>TOTAL</b>					<b>\$ 51,625.00</b>

19819.0  
18,445.7  
1,430.41  
1,085.14  
2,338.96  
2,749.67  
51,624.16

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.

154018 A

C.T. Price Contracting Inc.  
Contractor

By Clark O. Price

20622 N 63rd Dr

Glendale AZ 85308

(Complete business address)

Telephone Number: 623-561-6562

Fax Number 623-572-8788

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

Addendum 1 dated February 6, 2012

Addendum 2 dated February 7, 2012

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

Acknowledged by Clark O. Price

### CITY OF GLENDALE

### Subcontractor Listing and Certification of Contract Compliance

#### PROJECT 091041 - 59TH AVENUE AT THUNDERBIRD PARK TRAFFIC BARRIER IMPROVEMENTS

The undersigned contractor hereby submits the following list of firms to be employed as subcontractors on the above referenced project:

SUBCONTRACTOR	WORK ELEMENTS	CONTRACT VALUE	DBE(Y/N)*	AGENCY**
American Traffic Services	Traffic Control	\$1,775.00	N	
Franklin Striping	Barrier Reflectors		N	
Project Engineering Consultants	Surveying	\$2,125.00	N	

The undersigned hereby certifies that all subcontracts shall be in writing and shall provide that all work to be performed shall be in accordance with the terms of the Contract. All subcontracts shall be subject to approval by the City. Certified copies of all subcontracts shall be furnished to the Engineer; however, prices may be omitted. Subcontracts shall conform to the regulations governing employment of labor.

C.T. Price Contracting Inc.  
Name of Firm

DBE?(Y/N)\*: N Agency\*\*:

Clark S. Price  
Signature  
President  
Title

\*Firms certified as Disadvantaged Business Enterprises. \*\*Indicate certifying agency, e.g., ADOT, MCHD, COP, etc. This information is requested for tracking purposes only. The City of Glendale is an equal opportunity employer and minority business enterprises and women's business enterprises are encouraged to submit bids.

**CITY CLERK  
ORIGINAL**C-7981  
03/27/2012**CONSTRUCTION AGREEMENT**

This Construction Agreement ("Agreement") is entered into and effective between the CITY OF GLENDALE, an Arizona municipal corporation ("City"), and C.T. Price Contracting, Inc., an Arizona corporation ("Contractor") as of the 27<sup>th</sup> day of March, 2012.

**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 sixty (60) consecutive calendar days from and including the date of receipt of the 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.

**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 \$51,625.00, 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-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.
  - (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. **Prohibitions.** Contractor certifies under A.R.S. §§ 35-391 *et seq.* and 35-393 *et seq.*, that it does not have, and during the term of this Agreement will not have "scrutinized" business operations, as defined in the preceding statutes, in the countries of Sudan or Iran.

11. **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.

12. **Notices.**

12.1 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.

12.2 **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:

C.T. Price Contracting Inc.  
Attn: Clark Price  
20622 N. 63<sup>rd</sup> Drive  
Glendale, AZ 85308

(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: Wade Ansell  
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.

13. **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.

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

14.1 **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.

14.2 **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.

14.3 **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.

14.4 **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.

14.5 **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.

**14.6 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.

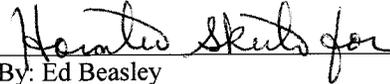
**15. Dispute Resolution.** Each claim, controversy and dispute ("Dispute") between Contractor and City will be resolved in accordance with Exhibit C. The final determination will be made by the City.

**16. 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

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

City of Glendale,  
an Arizona municipal corporation

  
By: Ed Beasley  
Its: City Manager

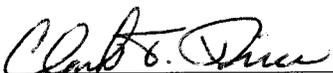
ATTEST:

  
City Clerk (SEAL)

APPROVED AS TO FORM:

  
City Attorney

C.T. PRICE CONTRACTING, INC.  
an Arizona corporation

  
By: Clark Price  
Its: President

WOMEN-OWNED/MINORITY BUSINESS [ ] YES [X] NO  
CITY OF GLENDALE TRANSACTION PRIVILEGE TAX NO. [REDACTED]  
FEDERAL TAXPAYER IDENTIFICATION NO. [REDACTED]

**EXHIBIT A  
CONSTRUCTION AGREEMENT**

PROJECT

This project extends the median barrier along 59<sup>th</sup> Avenue at Thunderbird Park.

**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 \$51,625.00.

**DETAILED PROJECT COMPENSATION**

As shown on Page 8 of 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 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.

Bond# AZC72347

**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:

\*\* Merchants Bonding Company (Mutual)

That C.T. Price Contracting, Inc. (hereinafter called the Principal), as Principal, and \*\*, a corporation organized and existing under the laws of the State of Iowa with its principal office in the City of Des Moines, (hereinafter called the Surety), as Surety, are held and firmly bound unto the City of Glendale, a municipal corporation, (hereinafter called the Oblige), in the amount of Fifty One Thousand Six hundred Twenty Five and No/100 Dollars (\$ 51,625.00), 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 Oblige, dated the 27th day of March, 2012, to construct **PROJECT 091041 - 59TH AVENUE AT THUNDERBIRD PARK TRAFFIC BARRIER IMPROVEMENTS**, 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 4th day of April, 2012.

C.T. Price Contracting, Inc.  
Principal Seal

By *Clark T. Price*  
Clark T. Price, President

Merchants Bonding Company (Mutual)  
Surety Seal

By: *Dawn*  
Agency of Record Dawn Fykes, Attorney-in-Fact

20410 N. 19th Ave. #170, Phoenix, AZ 85027  
Agency Address

Telephone Number: 623-215-1384

**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:

\*\* Merchants Bonding Company (Mutual)

That, C.T. Price Contracting, Inc. (hereinafter called the Principal), as Principal, and <sup>\*\*</sup>  
, a corporation organized and existing under the laws of the State of Iowa with its principal  
office in the City of Des Moines, (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 <sup>\*\*\*</sup> Dollars (\$ 51,625.00), 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. <sup>\*\*\*</sup>Fifty One Thousand Six hundred Twenty Five and No/100

WHEREAS, The Principal has entered into a certain written contract with the Obligee, dated the <sup>27th</sup>  
day of March, 2012, to construct **PROJECT 091041 - 59TH AVENUE AT  
THUNDERBIRD PARK TRAFFIC BARRIER IMPROVEMENTS** 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 4th day of April, 2012.

Principal Seal  
C.T. Price Contracting, Inc.  
By: Clark T. Price  
Clark T. Price, President

Merchants Bonding Company (Mutual) Seal  
Surety  
By: Dawn Fykes  
Agency of Record Dawn Fykes, Attorney-in-Fact  
The Mahoney Group

Agency Address  
20410 N. 19th Ave. #170, Phoenix, AZ 85027  
Telephone 623-215-1384

CITY OF GLENDALE, ARIZONA  
PUBLIC WORKS/ENGINEERING DEPARTMENT

CONTRACTOR'S AFFIDAVIT  
REGARDING  
SETTLEMENT OF CLAIMS

**PROJECT 091041 - 59TH AVENUE AT THUNDERBIRD PARK TRAFFIC BARRIER IMPROVEMENTS**

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 at least forty-eight (48) hours in advance through the Public Works/Utilities Division at 930-2700. A \$1,555.50 deposit is required for each meter. The cost of the water is at the prevailing rate.

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
Century Link	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 acceptance. The schedule shall be in sufficient detail to allow the Engineer to determine if the proposed schedule will conform to an approved program of construction operations, as determined by the contracting agency. Within ten calendar days after the preliminary schedule, described above, has been approved 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 approved 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 approval 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 approved 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.

\*\*\*END OF SUPPLEMENTAL GENERAL CONDITIONS\*\*\*

SPECIAL PROVISIONS

1. SCOPE OF WORK: This project extends the median barrier along 59<sup>th</sup> Avenue.
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 for **M1058000**  
**CONSTRUCTION SURVEYING AND LAYOUT.**

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," and these Special Provisions. The following traffic restrictions are minimum requirements throughout the construction period:

6.1.1 All traffic restrictions listed herein are to supplement the City of Phoenix "Traffic Barricade Manual," and are not intended to delete any part of the manual. All reference in the "Traffic Barricade Manual" 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 7:00 p.m.

6.1.3 A travel lane shall be defined as ten (10) feet of roadway 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 satisfactorily 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 necessary traffic controls, and must provide flashing arrow boards 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 Inspector at least 48 hours in advance for City forces to remove said signs. The Contractor shall be responsible for having all temporary traffic control signs installed and maintained during construction. The Transportation Department will re-set all traffic and street name signs to permanent locations when notified by the Engineer that construction is complete.

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 twenty-four (24) 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 Engineer. During construction activities that do not restrict a major signalized intersection, police officer assisted traffic control is not required. 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 for review and approval at least seven (7) working days before the pre-construction conference. The traffic control plan shall include flashing arrow boards, barricades and signs, and shall address how local access to adjacent properties will be handled in accordance with the specifications herein. Any changes to the traffic control plan during construction shall be submitted to the City Transportation Director 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 must obtain approval from the City Transportation Director twenty-four (24) hours prior to implementing a traffic control change. He must provide all the necessary signs to detour traffic and/or flagmen 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.

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. CONCRETE GUTTER WATER TESTING: The MAG Uniform Standard Specifications, Section 340.3, CONSTRUCTION METHODS, shall be modified as follows: The 1/2 inch referenced in Paragraph 16 beginning, "When required by the Engineer, gutter having a slope of 0.8 foot...", shall be changed to 1/4 inch.

9. 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.

10. SOILS REPORT: The boring logs and soils report for this project are available for review at the City Engineering Office upon request. The boring logs and soils report are provided only as a courtesy. The logs and soils reports are not incorporated into, or part of, the contract and the City of Glendale makes no warranties, express or implied, as to the accuracy of the information contained therein. The Contractor should not rely on the information contained therein and should perform its own investigation as to the subsurface conditions of the project. The logs and soils reports are not intended, nor should they be relied upon by the Contractor as, a representation of the true soil conditions of the project. If there is a conflict between this provision and any other provision of the contract documents, this provision will prevail. The Contractor will accomplish the project under whatever condition he finds at the contract price.

11. 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 \$4,500.00. 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 \$4,500.00 on the bid form, under line item ALLOWANCE FOR CONSTRUCTION CONTINGENCY.

\*\*\*END OF SPECIAL PROVISIONS\*\*\*

SUPPLEMENTAL SPECIAL PROVISIONS

1. SHRP MIX ASPHALT:

ASPHALTIC CONCRETE: Mix designs shall meet the following requirements when tested with the applicable test methods.

I. General Information

1. All producers of hot asphalt concrete whose mixes may be placed within the rights-of-way of the City of Glendale will be required to submit complete asphaltic concrete mix designs for all such material.
2. Where to submit: Three (3) copies of the reports shall be submitted to the City of Glendale, Assistant City Engineer, 3rd floor, City of Glendale, 5850 West Glendale Avenue, Glendale, Arizona 85301-2599. Faxed copies are unacceptable and will not be reviewed.
3. When to submit: A new mix design will be required each January for each product code to be supplied. Verification tests for each product code shall be provided each July. A complete mix design will be required of any new product code at the time of its initial submittal. Laboratory certifications will be required on an annual basis. Mix submittals must be made at least seven working days prior to the paving date, in order to allow time for review and revision if necessary. No exceptions will be permitted.

II. Laboratory Requirements:

The mix designs must be performed by a laboratory knowledgeable in asphalt mix design. The laboratory can be the producers laboratory or a commercial geotechnical/materials laboratory provided they comply with the following:

- a. The laboratory, at the time of testing and submittal, remains certified by the AASHTO Accreditation Program in the field of Bituminous Materials. Further subfields of Hot-Mix Asphalt and Hot-Mix Asphalt Aggregate are additionally required. A copy of the certifications will be required with each submittal as described.
- b. The laboratory is under direct supervision of an experienced, registered Professional Engineer. This will require the Engineer be physically present on a routine basis while the mix design testing is being done and be the responsible person in charge of the work.
- c. The Engineer in charge of the laboratory shall submit a resume which details the Engineer's knowledge and experience in the field of asphalt concrete and the design of the same. The resume will be submitted with the suppliers mix designs. New resumes will be required whenever a change occurs with the Engineer. If the laboratory is approved by the Arizona Department of Transportation (ADOT) to perform asphalt concrete mixture designs, a copy of the personnel resource data that is supplied to ADOT, along with a copy of their approved letter will suffice.
- d. The Engineer shall seal (stamp), sign, and date each mix design or verification.

### III. Mix Designs

a. Mix designs or verifications will be required as indicated in part I. above, for all asphalt mixes. The seal date must be current to within six months. Mix designs, without current verification, older than six months will be rejected. If, in the opinion of the Assistant City Engineer, the production test data from the mix is not meeting the approved design or if conditions at the plant change, quality control charts and/or additional submittals will be required. The scope of the additional submittals may vary depending on the degree of proof required to establish or re-establish a workable design. The following conditions are to be considered sufficient grounds justifiable for reevaluation of the mix designs.

1. A change in the producers pit.
2. When material is taken from a different or new source.
3. A change in the producers method of aggregate production.
4. Any other change that would require an adjustment in the asphaltic concrete mix design, in the opinion of the Engineer.

- b. Design of the asphalt paving mixtures shall be accomplished by either the Marshall Method of Mix Design as described in the latest edition of the MS-2 manual published by the Asphalt Institute, or SHRP criteria as described in the *SUPERPAVE<sup>®</sup> Mix Design Manual for New Construction and Overlays*, SHRP-A-407 or *Level One Mix Design: Materials Selection, Compaction, and Conditioning*, SHRP-A-408, or current SHRP Design Manual when approved by the Engineer. ( $N_{\text{initial}}$ ,  $N_{\text{design}}$ ,  $N_{\text{maximum}}$  to be determined by the Engineer)

A minimum of four (4) points will be used to establish the mix design results. Optimum asphalt content will be selected at an air void content of 4.0 plus or minus 0.2%. The proposed mix design must further comply with all requirements of Section III. e. of this document.

c. If the Marshall Method of mix design is chosen, the mix properties shall be verified with two compacted specimens using a gyratory compactor in accordance with AASHTO Provisional Method TP-4. The verification shall meet the criteria in the following table:

Number of Gyration	Percent of Maximum Theoretical Density
$N_{\text{Initial}}$	Maximum 89.0%
$N_{\text{Design}}$	95.0% to 97.5%
$N_{\text{Maximum}}$	Maximum 98.0%

- d. All mix submittals must include the following information:

1. A mix design or verification will be stamped, signed, and dated by the Engineer responsible for the mix design. Date must be current to within

- most recent six months.
2. Product code for each mix design.
  3. Recommended bitumen content with charts as noted below.
  4. Aggregate proportions (including mineral filler) based on bin percentages and composite gradation. The composite plotted on a graph raised to 0.45 power.
  5. Statement as to method used to introduce mineral admixture with aggregate (wet or dry process)
  6. Bulk density, stability, flow, % effective air voids.
  7. Percent Tensile Strength Ratio
  8. Mixing and compaction temperatures.
  9. Source of asphalt, with supplier certificates.
  10. Source of mineral filler with certificates.
  11. Fractured face count.
  12. Specific gravity of aggregates (bulk, bulk SSD, apparent and effective).
  13. Specific gravity of mineral admix and asphalt cement.
  14. Film thickness in microns.
  15. SUPERPAVE<sup>®</sup> mix designs will require a volumetric analysis of the compacted hot mix asphalt per the *SUPERPAVE<sup>®</sup> Mix Design Manual for New Construction and Overlays*, SHRP-A-407, National Research Council, Washington D.C. May 1994. (Three trial blends are required)

e. Mix Design Criteria:

	ITEM	LIMITS/STANDARDS	REFERENCE
1.	Asphalt Mixes	3/8", 1/2", 3/4", 1", and 1-1/2" Nominal Maximum Size *	This document and attached gradations.
2.	Mineral Admixture (Lime or Portland Cement, Type I or II) Liquid Anti-strip	Min. 1%, Max. 2% by wt. for all mixes. per manufacturer	ASTM C150 or C977 AASHTO R15-89
3.	Asphalt Grade	AC-40 or PG grade per SUPERPAVE <sup>®</sup> design at 98% reliability limits. (PAV @ 110° C)	MAG 710.2.1 & 711.3 SHRP Mix Design Manual AASHTO - MP1
4.	Marshall Mix Design Method (or 5 below)	(75 blows)	MS-2 Manual
	a. Stability	Per Table 5.3 (MS-2)	ASTM D 1559
	b. Flow	0.08" to 0.16"	ASTM D 1559 AASHTO T245-94
	c. Air Voids	Design: 4.0% ± 0.2% Production: 3.0% - 5.0%	ASTM D 3203 AASHTO T269
5.	SUPERPAVE <sup>®</sup> Method	Level 1 Mix Design	SHRP Mix Design Manual
6.	Tensile Strength Ratio (TSR)	minimum of 75%	AASHTO T283-89
7.	Asphalt Binder Content	**	**
		Between SHRP control	SHRP-A-407, Appendix

8.	Gradation	points. Outside the Power 45 restricted zone. Arterial streets must be below restricted zone. ***	A, Table A-1 thru A-5
9.	Sand Equivalent	Natural sand limited to a maximum of 15%. Composite fines to meet a minimum uncompacted void content of 40% for residential or 45% for all others. SE 50 Minimum.	ARIZ Method 247  AASHTO T176
10.	Fractured Faces	85% min. 1 or more 80% min. 2 or more	ARIZ Method 212
11.	Plastic Index	Non-plastic	AASHTO T-90
12.	% Voids in Mineral Aggregate(VMA)	Per Table 5.3 (MS-2)	MS-2 Manual
13.	% Voids Filled (VFA)	Per Table 5.2 (MS-2)	MS-2 Manual
14.	Film Thickness	8-14 Microns	****
15.	Dust to AC Ratio ( $P_{200}/P_{be}$ ) (incl admix)	0.6 to 1.2	MS-2 Manual

\* Nominal Maximum Size is defined as one sieve size larger than the first sieve to retain more than ten percent. Maximum Size is defined as one size larger than the Nominal Maximum Size.

\*\* The asphalt content shall be selected to provide a mix consistent with the above specified properties. The permissible production tolerance for the asphalt content, so determined, will be within the limits of  $\pm 0.40\%$ . Curves shall be provided which plot each of the four trial binder contents against Air Voids, VMA, and VFA, Unit Weight, Stability and Flow. If the SUPERPAVE<sup>®</sup> design method is used, the Densification Data and Curves developed shall be provided for review.

\*\*\* Once target values have been established by the mix design, the mineral aggregate gradation tolerances shall be as specified under ADOT 406-9.03(A). Samples may be taken at random locations by the Engineer in accordance with Arizona Test Method 104. In no case shall the gradations exceed the range in the SHRP Control Point Charts (See Gradations and Lift Thickness Tables below).

\*\*\*\* The asphalt film thickness should be calculated using the following formula:

$$T_f = \frac{(4876.8)(P_{be})}{(SA)(P_s)(G_b)}$$

Where,

- $T_f$  = Asphalt Film Thickness, Microns  
 $P_{bc}$  = Effective Asphalt Content, Percent by Total Weight of Mixture  
 $SA$  = Surface Area of Aggregate (square feet per pound)  
 $P_s$  = Aggregate Content, Percent by Total Weight of Mixture  
 $G_b$  = Specific Gravity of Asphalt Cement

Surface Area (SA) calculations should follow procedures outlined in Chapter 6 of the Asphalt Institute Manual Series No. 2 (MS-2), Sixth Edition.

#### IV. Hot Mix Facilities

The following information regarding the hot mix facilities will need to be submitted for review with the annual laboratory certifications, whenever a new facility is placed in operation or whenever a facility is moved.

- A. Listing of all hot mix facility numbers, their physical locations, and the mix product codes that the producer intends to supply.
- B. Annual certificates on all weights and metering devices used in the production and weighing of the asphalt mix, for each such facility that the supplier intends to use to manufacture material for use within the City..
- C. Each supplier must submit annually the Arizona Rock Products Association (ARPA) "Certification of Hot Mix Asphalt Production Facilities".

#### V. Compaction Acceptance

Acceptance testing for asphalt mixtures which have been designed using Marshall methods will continue to be as specified under MAG 321.5.4. The target density for asphalt mixtures designed using Superpave criteria will be 92 percent of Maximum Theoretical Specific Gravity. Remediation or other required measures will be per applicable MAG specification, unless specifically superseded by this document.

### SUPERPAVE® GRADATION LIMITS

#### GRADATION PLOT FOR 1½ INCH (37.5 mm) NOMINAL MAXIMUM SIZE

Sieve	mm	µm	0.45	ASTM Max	ASTM Min	0.45 Chart Max Dens	Minimum Boundary	Maximum Boundary
2	50.0	50000	130	<b>100.0</b>	<b>100.0</b>	100.0		
1-½	37.5	37500	114	<b>100.0</b>	<b>90.0</b>	87.9		
1	25.4	25000	95	88.0	68.0	73.2		
¾	19.00	19000	84	80.0	56.0	64.7		
½	12.50	12500	70	70.0	44.0	53.6		
3/8	9.50	9500	62	64.0	37.0	47.4		
4	4.75	4750	45	53.0	23.0	34.7	34.7	34.7
8	2.36	2360	33	<b>41.0</b>	<b>15.0</b>	25.3	23.3	27.3
16	1.18	1180	24	30.0	10.0	18.5	15.5	21.5
30	0.60	600	18	22.0	7.0	13.7	11.7	15.7
50	0.30	300	13	16.0	4.0	10.0	10.0	10.0

100	0.15	150	10	12.0	2.0	7.3		
200	0.08	75	7	<b>6.0</b>	<b>0.0</b>	5.4		

Control Point in **BOLD ITALICS**

## GRADATION PLOT FOR 1 INCH (25 mm) NOMINAL MAXIMUM SIZE

Sieve	mm	μm	0.45	ASTM Max	ASTM Min	0.45 Chart Max Dens	Minimum Boundary	Maximum Boundary
1-½	37.5	37500	114		<b>100.0</b>	100.0		
1	25.4	25000	95	<b>100.0</b>	<b>90.0</b>	83.3		
¾	19.00	19000	84	91.0	74.0	73.6		
½	12.50	12500	70	80.0	56.0	61.0		
¾	9.50	9500	62	73.0	46.0	53.9		
4	4.75	4750	45	59.0	29.0	39.5	39.5	39.5
8	2.36	2360	33	<b>45.0</b>	<b>19.0</b>	28.8	26.8	30.8
16	1.18	1180	24	33.0	13.0	21.1	18.1	24.1
30	0.60	600	18	24.0	8.0	15.6	13.6	17.6
50	0.30	300	13	17.0	5.0	11.4	11.4	11.4
100	0.15	150	10	12.0	3.0	8.3		
200	0.08	75	7	<b>7.0</b>	<b>0.0</b>	6.1		

Control Point in **BOLD ITALICS**

## GRADATION PLOT FOR ¾ INCH (19 mm) NOMINAL MAXIMUM SIZE

Sieve	mm	μm	0.45	ASTM Max	ASTM Min	0.45 Chart Max Dens	Minimum Boundary	Maximum Boundary
1	25.4	25000	95	<b>100.0</b>	<b>100.0</b>	100.0		
¾		19000	84	<b>100.0</b>	<b>90.0</b>	88.4		
½	19.00	12500	70	88.0	68.0	73.2		
¾		9500	62	80.0	56.0	64.7		
4	12.50	4750	45	65.0	35.0	47.4		
8		2360	33	<b>49.0</b>	<b>23.0</b>	34.6	34.6	34.6
	9.50							
	4.75							
	2.36							
16	1.18	1180	24	35.0	15.0	25.3	22.3	28.3
30	0.60	600	18	25.0	9.0	18.7	16.7	20.7

50	0.30	300	13	19.0	5.0	13.7	13.7	13.7
100	0.15	150	10	13.0	3.0	10.0		
200	0.08	75	7	<b>8.0</b>	<b>2.0</b>	7.3		

Control Point in ***BOLD ITALICS***

## GRADATION PLOT FOR 1/2 INCH (12.5 mm) NOMINAL MAXIMUM SIZE

Sieve	mm	µm	0.45	ASTM Max	ASTM Min	0.45 Chart Max Dens	Minimum Boundary	Maximum Boundary
3/4	19.00	19000	84	<b>100.0</b>	<b>100.0</b>	100.0		
1/2	12.50	12500	70	<b>100.0</b>	<b>90.0</b>	82.8		
3/8	9.50	9500	62	91.0	74.0	73.2		
4	4.75	4750	45	74.0	44.0	53.6		
8	2.36	2360	33	<b>58.0</b>	<b>28.0</b>	39.1	39.1	39.1
16	1.18	1180	24	42.0	18.0	28.6	25.6	31.6
30	0.60	600	18	30.0	11.0	21.1	19.1	23.1
50	0.30	300	13	21.0	5.0	15.5	15.5	15.5
100	0.15	150	10	15.0	3.0	11.3		
200	0.08	75	7	<b>10.0</b>	<b>2.0</b>	8.3		

Control Point in ***BOLD ITALICS***

## GRADATION PLOT FOR 3/8 INCH (9.5 mm) NOMINAL MAXIMUM SIZE

Sieve	mm	µm	0.45	ASTM Max	ASTM Min	0.45 chart Max Dens	Minimum Boundary	Maximum Boundary
1/2	12.50	12500	70	<b>100.0</b>	<b>100.0</b>	100.0		
3/8	9.50	9500	62	<b>100.0</b>	<b>90.0</b>	88.4		
4	4.75	4750	45	85.0	55.0	64.7		
8	2.36	2360	33	<b>67.0</b>	<b>32.0</b>	47.2	47.2	47.2
16	1.18	1180	24	42.0	46.0	34.6	31.6	37.6
30	0.60	600	18	33.0	12.0	25.5	23.5	27.5
50	0.30	300	13	23.0	7.0	18.7	18.7	18.7
100	0.15	150	10	15.0	3.0	13.7		
200	0.08	75	7	<b>10.0</b>	<b>2.0</b>	10.0		

Control Point in ***BOLD ITALICS***

### Lift Thickness Table

The choice of asphaltic concrete mix designation shall be governed by the following target lift thicknesses:

Target Lift Thickness	Nominal Maximum Size Asphalt Mixture
1" (25 mm)	3/8" (9.5 mm)
1 1/2" (37.5 mm)	1/2" (12.5 mm)
2" (50 mm)	3/4" (19 mm)
3" (75 mm)	1" (25 mm)
4" (100 mm)	1-1/2" (37.5 mm)

NOTE: An asphalt concrete preservative seal, in accordance with MAG Section 334, shall be used on residential streets if a 3/4" conventional mixture is placed as surface course. Superpave mixtures will not require seal coat.

### SUPPLEMENTAL SPECIFICATIONS – AGGREGATE BASE COURSE

The work under this item shall consist of regarding and compaction of existing base material if disturbed by construction. There shall be NO separate payment for this item.

### SUPPLEMENTAL SPECIFICATIONS – TACK COAT

TACK COAT: The Contractor shall be required to protect all surfaces from deterioration and shall repair subsequent damage prior to tack coating. Tack coating is incidental to paving and pavement replacement and the costs of tack coating shall be included in the costs of the paving.

\*\*\*END OF SUPPLEMENTAL SPECIAL PROVISIONS\*\*\*