

**CITY CLERK
ORIGINAL**

**C-8927
05/13/2014**



**CITY OF GLENDALE
MATERIALS MANAGEMENT
INVITATION FOR BIDS (IFB)**

SOLICITATION NUMBER: IFB 14-20
DESCRIPTION: TRAFFIC SIGN POSTS
OFFER DUE DATE AND TIME: FEBRUARY 13, 2014, AT 2:00 P.M. LOCAL TIME

Offers for the materials or services specified shall be received by the City of Glendale, Materials Management at the specified due date, time and location. Offers received by the correct time and date will be opened and the name of each bidder and the amount of the bid will be publicly read.

**SUBMITTAL LOCATION: City of Glendale
Materials Management
5850 West Glendale Avenue, Suite 317
Glendale, Arizona 85301**

Offers must be in the actual possession of Materials Management on or prior to the time and date, and at the location indicated above. Materials Management is located on the 3rd floor of the Glendale Municipal Office Complex (City Hall) behind the Engineering Department. Offers are accepted from the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, unless otherwise indicated for a holiday. All offers will be time stamped at the Engineering Department's front counter. Late offers will not be considered.

The City of Glendale offices will be closed on February 17, 2014 in recognition of Presidents' Day. Offices will return to regular hours on February 18, 2014.

Offers must be submitted in a sealed envelope with the Solicitation Number and the Offeror's name and address clearly indicated on the envelope. **See Paragraph 2.3 for additional instructions for preparing an offer.**

OFFERORS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE SOLICITATION.

For questions regarding this solicitation contact:

Elmer Garcia, CPPB
Contract Analyst
623-930-2866
Egarcia1@glendaleaz.com

 <p>GLENDALE</p>	<p>Solicitation Number: IFB 14-20</p> <p>TRAFFIC SIGN POSTS</p>	<p>CITY OF GLENDALE Materials Management 5850 West Glendale Avenue, Suite 317 Glendale, Arizona 85301</p>
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1.0 SPECIFICATIONS

1.1 INTRODUCTION

- 1.1.1 The City of Glendale, Arizona (“City”) intends to establish a term contract with qualified firm(s) to purchase TRAFFIC SIGN POSTS for use by its Transportation Department.
- 1.1.2 The specifications for road signs are listed herein. Any use of specific names and/or model numbers in the specifications is not intended to restrict any offeror or any seller or manufacturer, but is included solely for the purpose of indicating the type, size, and quality of materials or product considered best adapted for use by the City.
- 1.1.3 Quantities listed in this solicitation are the City’s best estimate only and do not obligate the City to order more than the City’s actual requirements and subject to availability of appropriated funds.



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TRAFFIC SIGN POSTS

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1.2 PRODUCT SPECIFICATIONS

PUNCHED SQUARE TUBULAR STEEL POSTS FOR HIGHWAY SIGNS SPECIFICATIONS

The Contractor shall check the Yes or No boxes for each Specification Item Number. If the Contractor checks the **No** box for any specification, the Contractor must provide an explanation or alternate information in the OFFERED column. If additional sheets are needed, the Contractor must reference the specific Item No. in their response. Failure to comply with the following specifications may result in the rejection of offer.

ITEM NO.	SPECIFICATIONS	COMPLY	OFFERED
1.2.1	<p align="center"><u>QUANTITIES AND SIZES</u></p> <p>500 Each Sign Post 1-3/4" x 1-3/4" x 9'</p> <p>500 Each Sign Post 1-3/4" x 1-3/4" x 11'</p> <p>250 Each Sign Post 1-3/4" x 1-3/4" x 12'</p> <p>1000 Each Sign Post Base 2" x 2" x 3'</p> <p>1000 Each Sign Post Sleeve 2-1/4" x 2-1/4"x18'</p> <p>20 Boxes Steel Drive Rivets 3/8" x 1" (1000 rivets per box)</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Steel Drive Rivet is 3/8"x7/8"</p>
1.2.2	<p align="center"><u>MATERIAL</u></p> <p>Tubing with plain finish is a roll formed from 12-gauge hot rolled steel, per ASTM Des. A-570 Grade 33, pickled and oiled. Galvanized finish, roll formed 12-gauge cold rolled steel, galvanized material per ASTM Des. A-447 Grade A.</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Material is ASTM A1011, Grade 50 Galvanized - ASTM A653, G90 Structural Quality, Grade 50, Class 1</p>



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1.2.3	<p align="center"><u>FINISH</u></p> <p>Material (cold rolled steel) shall be finished with a hot dipped galvanized coating conforming to ASTM Specification A-525, Des. G-90. Zinc coating shall form a bond with the steel so as not to be affected by subsequent forming operations. Corner weld is to be zinc coated after scarfing operation. Exposed edges are protected against corrosion by "sacrificial action" when zinc is present on intimate adjacent area. Post must be galvanized both inside and out for the entire length of the post.</p>	<p align="center">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>ASTM A525, G90 was replaced with ASTM A653, G90</p>
1.2.4	<p align="center"><u>SHAPE</u></p> <p>The cross section of the post shall be square tubing formed of 12 gauge steel, carefully formed into size and, if necessary, shall be welded in such a manner that the weld or flash shall not interfere with the telescoping. Weld flash on corner welded square tubing shall permit a 9/64" radius gauge to be placed in the corner.</p>	<p align="center">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	
1.2.5	<p align="center"><u>RULES</u></p> <p>Hole diameter shall be seven-sixteenths plus or minus one sixty-fourth inch on 1" centers, on at least four (4) opposite sides for the entire length of the post. Holes shall be on the centerline of each side in true alignment and opposite to each other. All material cuts must be centered between hold patterns at a ninety (90) degree angle to the length of material. No punch out or insert type hole patterns shall be considered.</p>	<p align="center">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	



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1.2.6	<p align="center"><u>YIELD/TENSILE PROPERTIES</u></p> <p>1-3/4" x 1-3/4" x .105 40,000 psi Minimum Yield/Tensile</p> <p>2" x 2" x .105 40,000 psi Minimum Yield/Tensile</p> <p>2-1/4" x 2-1/4" x .105 40,000 psi Minimum Yield/Tensile</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Minimum yield strength is 60,000 psi after cold forming</p>										
1.2.7	<p align="center"><u>TOLERANCES</u></p> <p>Tolerances on outside sizes:</p> <table border="0"> <tr> <td><u>Normal</u></td> <td><u>Outside Tolerance at</u></td> </tr> <tr> <td><u>Outside Dimensions</u></td> <td><u>All sides at Corners</u></td> </tr> <tr> <td>1-3/4" x 1-3/4"</td> <td>plus or minus .008"</td> </tr> <tr> <td>2" x 2"</td> <td>plus or minus .008"</td> </tr> <tr> <td>2-1/4" x 2-1/4"</td> <td>plus or minus .008"</td> </tr> </table> <p>Note: Measurements for outside dimensions shall be made at least 2" from end of tube.</p>	<u>Normal</u>	<u>Outside Tolerance at</u>	<u>Outside Dimensions</u>	<u>All sides at Corners</u>	1-3/4" x 1-3/4"	plus or minus .008"	2" x 2"	plus or minus .008"	2-1/4" x 2-1/4"	plus or minus .008"	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	
<u>Normal</u>	<u>Outside Tolerance at</u>												
<u>Outside Dimensions</u>	<u>All sides at Corners</u>												
1-3/4" x 1-3/4"	plus or minus .008"												
2" x 2"	plus or minus .008"												
2-1/4" x 2-1/4"	plus or minus .008"												
1.2.8	<p align="center"><u>WALL THICKNESS TOLERANCES</u></p> <p>Permissible variations in wall thickness is plus .011", minus .005".</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>											
1.2.9	<p align="center"><u>CONVEXITY AND CONCAVITY</u></p> <p>Measured in the center of the flat side tolerance is plus or minus .010" applied to the specific size determined at the corner.</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>											



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1.2.10	<p align="center"><u>SQUARENESS OF SIDES AND TWIST</u></p> <table border="0"> <tr> <td><u>Nominal</u></td> <td><u>Squareness</u></td> <td><u>Twist</u></td> </tr> <tr> <td><u>Outside</u></td> <td><u>Tolerance</u></td> <td><u>Permissible</u></td> </tr> <tr> <td><u>Dimensions</u></td> <td></td> <td><u>in 3' lengths</u></td> </tr> </table> <p>1-3/4" x 1-3/4" plus or minus .01" .062" 2" x 2" plus or minus .012" .062" 2-1/4" x 2-1/4" plus or minus .014" .062"</p> <p>Note: A sample shall be considered to fail if its sides are not 90 degrees to each other by the tolerance listed above.</p>	<u>Nominal</u>	<u>Squareness</u>	<u>Twist</u>	<u>Outside</u>	<u>Tolerance</u>	<u>Permissible</u>	<u>Dimensions</u>		<u>in 3' lengths</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<u>Nominal</u>	<u>Squareness</u>	<u>Twist</u>										
<u>Outside</u>	<u>Tolerance</u>	<u>Permissible</u>										
<u>Dimensions</u>		<u>in 3' lengths</u>										
1.2.11	<p align="center"><u>STRAIGHTNESS TOLERANCE</u></p> <p>Permissible variation in straightness is one-sixteenth of an inch in three feet.</p>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
1.2.12	<p align="center"><u>CORNER RADII</u></p> <p>Standard outside corner radius shall be five-thirty seconds of an inch or minus one-sixty-fourth of an inch.</p>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
1.2.13	<p align="center"><u>LENGTH</u></p> <p>The length of each post shall be as specific and have a permissible length tolerance of plus or minus 1/8".</p>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
1.2.14	<p align="center"><u>CROSS SECTION</u></p> <p>Posts shall be one or more of the following sizes:</p> <table border="0"> <tr> <td><u>Size</u></td> <td><u>Gauge</u></td> <td><u>Weight Per Foot</u></td> </tr> <tr> <td></td> <td></td> <td><u>Pounds</u></td> </tr> </table> <p>1-3/4" x 1-3/4" 12 2.060 2" x 2" 12 2.416 2-1/4" x 2-1/4" 12 2.773</p>	<u>Size</u>	<u>Gauge</u>	<u>Weight Per Foot</u>			<u>Pounds</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
<u>Size</u>	<u>Gauge</u>	<u>Weight Per Foot</u>										
		<u>Pounds</u>										

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ITEM NO.	SPECIFICATIONS	COMPLY	OFFERED
1.2.15	<p style="text-align: center;"><u>TELESCOPING PROPERTIES</u></p> <p>The finished posts shall be straight and shall have a smooth uniform finish. It shall be possible to telescope all consecutive sizes of square tubes freely and for not less than ten (10) feet of their length without the necessity of matching any particular face to any other face. All holes and ends shall be free from burrs and ends shall be cut square.</p>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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2.0 SPECIAL TERMS AND CONDITIONS

2.1 INCORPORATION BY REFERENCE All responses shall incorporate by reference the Specifications, terms and conditions, general instructions and conditions and any attachments. The Standard Terms and Conditions applicable to this solicitation are posted on the Internet. They are available for review and download at the City’s Materials Management Internet home page, www.glendaleaz.com/purchasing. Offerors are advised to review all provisions of the General Instructions and Conditions for this solicitation.

2.2 RETURN OF OFFER One (1) original copy of the proposal response and one (1) CD-ROM or flash drive containing all original documents shall be submitted. The original copy of the proposal should be clearly labeled “Original” and shall be single-sided.”

The Offeror shall complete all sections of the IFB in the format and spaces provided. If additional space is needed than what is given, enter “See attachment for detail.”

2.3 PREPARATION OF OFFER PACKAGE Only the following items shall be completed and returned. Failure to include all the items may result in an offer being rejected. Offer packages shall be submitted in the following order:

- 2.3.1 OFFER SHEET**, Section 4.0
- 2.3.2 PRICE SHEET**, Section 5.0
- 2.3.3 SOLICITATION ADDENDUM**, (if applicable).
- 2.3.4 SPECIFICATIONS AND ADDITIONAL SUBMISSION REQUIREMENTS**, Section 1.0 and 3.0.

2.4 ALTERNATE OFFERS/EXCEPTIONS Offers submitted as alternates, or on the basis of exceptions to specific conditions of purchase and/or required specifications, must be submitted as an attachment referencing the specific paragraph number(s) and adequately defining the alternate or exception submitted. Detailed product brochures and/or technical literature, suitable for evaluation, must be submitted with the offer. If no exceptions are taken, City will expect and require complete compliance with the specifications and all conditions of purchase.

2.5 EVALUATION CRITERIA Invitation for Bids are awarded to the lowest responsible bidder whose bid conforms in all material respect to the requirements and criteria set forth in the solicitation.

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2.6 INQUIRIES Any question related to the Invitation for Bid shall be directed to the Contract Officer whose name appears above. A Contractor shall not contact or ask questions of the department for whom the requirement is being procured. The Contract Officer may require any and all questions be submitted in writing. Contractors are encouraged to submit written questions via electronic mail or facsimile, at least five days prior to the proposal due date. Any correspondence related to a solicitation should refer to the appropriate IFB page and paragraph number. An envelope containing questions should be identified as such; otherwise it may not be opened until after the official proposal due date and time. Oral interpretations or clarifications will be without legal effect. Only questions answered by a formal written amendment to the IFB will be binding.

2.7 PRICE All prices quoted shall be firm and fixed for the specified contract period. All pricing shall be firm for the initial term of one (1) year except where otherwise provided by the specifications, and include all transportation, insurance and warranty costs. The City shall not be invoiced at prices higher than those stated in any contract resulting from this bid.

The Contractor certifies that the prices offered are no higher than the lowest price the Contractor charges other buyers for similar quantities under similar conditions. The Contractor further agrees that any reductions in the price of the goods or services covered by this bid and occurring after award will apply to the undelivered balance. The Contractor shall promptly notify the City of such price reductions.

No fuel surcharges will be accepted. No price increases will be accepted without proper request by Contractor and response by the City's Purchasing Division.

2.8 FOB POINT Prices quoted shall be FOB destination to: City of Glendale

2.9 TERM OF AGREEMENT The initial term of the contract shall be one (1) year upon approval by the City Council.

2.10 OPTION TO EXTEND The City may, at its option and with the approval of the Contractor, extend the term of this agreement for four (4) additional years in one (1) year increments based on satisfactory Contractor performance. Contractor shall be notified in writing by the City Materials Manager of the City's intention to extend the contract period at least 30 calendar days prior to the expiration of the original contract period. Price adjustments will only be reviewed during contract renewal.

2.11 EVALUATION LITERATURE Offers submitted for products considered by the seller to be equal to or better than the brand names or manufacturer's catalog references specified herein, must be submitted with technical literature and/or detailed product brochures with written statements if the literature or brochure is not specific as to the

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specification for the City's use to evaluate the product(s) offered. Offers submitted without this product information may be considered as non-responsive and rejected.

2.12 INSURANCE Contractor, performing as an independent contractor hereunder, shall be fully responsible for providing Workers' Compensation or other applicable insurance coverage for itself and its employees and the City shall have no responsibility of liability for such insurance coverage.

Contractor shall provide to the City a copy of the policy or a certification by the insurance carrier along with the applicable endorsements showing the Contractor to have in effect during the term of this contract, a *General Liability Insurance* policy, which shall be the primary coverage for Contractor activities under this contract. The coverage limits of such insurance shall not be less than those listed below.

The insurance company issuing the policy required above shall have an AM Best financial rating of "A- VII" or better and be authorized by the State of Arizona Department of Insurance to transact business within the State. **The certificate and policy shall name the City, its officers, directors, employees, agents and assignees as an additional insured and shall be primary and non-contributory for any insurance and/or self-insurance coverage maintained by the City. The City shall also be an additional insured to the full limits of the liability insurance purchased by the Contractor even if those limits are in excess of those required by this contract.**

The City reserves the right to terminate any Contractor agreement if the Contractor fails to maintain such insurance coverage.

Contractor hereby grants to City a waiver of any right to subrogation which any insurer of said Contractor may acquire against the City by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from the insurer.

Contractor must provide certification of insurance and amendatory endorsements or copies of the applicable policy language providing the insurance coverage required below. All certificates and endorsements are to be received and approved by the City within ten (10) calendar days after notification of award. Certification must include: name and address of insurance company; policy number; liability coverage amounts; a statement the policy will not be canceled or failed to be renewed without ten (10) days written notice to the City.

Certification to be submitted to: Materials Management, 5850 West Glendale Avenue, Suite 317, Glendale, Arizona 85301.

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<u>Type of Insurance</u> <u>(Minimum)</u>	<u>Limits of Liability</u>
Workers' Compensation	Statutory
Employer's Liability	
Each Accident	\$1,000,000
Disease-Each Employee	\$1,000,000
Disease-Policy Limit	\$1,000,000

Commercial General Liability shall cover liability arising from bodily injury, property damage, products-completed operations, personal and advertising injury, independent Contractors, and broad form contractual coverage.

Each Occurrence	\$1,000,000
Personal and Advertising	\$1,000,000
General Aggregate	\$2,000,000
Products-Completed Operations	\$1,000,000

Automobile Liability – Including bodily injury and property damage for any owned, hired and non-owned vehicles used in the performance of the services.

Combined Single Limit (CSL)	\$1,000,000
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- 2.13 WORKER'S COMPENSATION** Contractor shall be in full compliance with the provisions of the Arizona Worker's Compensation Law (Title 23, Chapter 6, Arizona Revised Statutes) as amended, and all rules and regulations of the Industrial Commission of Arizona made in pursuance thereof. Contractor shall secure payment of compensation to employees by insuring the payment of such compensation authorized by the Insurance Department of Arizona to transact business in the State of Arizona.

Contractor further agrees that he shall require any and all sub-contractors performing work under the agreement to comply with said Worker's Compensation Law. It is expressly understood and agreed that all persons employed directly or indirectly by the Contractor, or any of his sub-contractors, shall be considered the employees of such Contractor, or his sub-contractor(s), and not the employees of the City.

- 2.14 NOTICE OF INTENT TO AWARD** Information about the recommended award for this solicitation will be posted on the Internet. The information will be available for review on the City's Materials Management Internet home page www.glendaleaz.com/purchasing immediately after the City has completed its evaluation process of the offers received. If you have any questions, or would like further information about an intended award, contact the contract analyst immediately. Any

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protest must be submitted to the Materials Manager no later than seven (7) calendar days from the date of posting on the Internet.

- 2.15 COOPERATIVE USE OF CONTRACT** This agreement may be extended for use by other governmental agencies and political subdivisions of the State, including all members of SAVE (Strategic Alliance for Volume Expenditures). Any such usage by other entities must be in accord with the ordinances, charter, rules and regulations of the respective entity and the approval of the Contractor and City. For a list of SAVE members, click on the following link: <http://www.maricopa.gov/Materials/save.aspx>.
- 2.16 PERMITS AND LICENSES** The Contractor shall be responsible for determining and securing, at his/her expense, any and all licenses and permits that are required by any statute, ordinance, rule or regulation of any regulatory body having jurisdiction in any manner connected with providing products and services. Such fees shall be included in and are part of the total offer cost. During the term of the contract, the Contractor shall notify the City in writing, within two (2) working days, of any suspension, revocation or renewal.
- 2.17 ADDITIONS/DELETIONS OF PRODUCTS** The City reserves the right to add additional products to this contract when deemed necessary by the City. If this occurs, the Contractor will be requested to submit a negotiable quotation for the additions. Upon approval and authorization by the Materials Manager such additions will be added to and become a part of the contract through properly executed forms.
- 2.18 ESTIMATED QUANTITIES** Quantities listed are the City's best estimate and do not obligate the City to order or accept more than City's actual requirements during the period of this agreement as determined by actual needs and availability of appropriated funds. It is expressly understood and agreed that the resulting contract is to supply the City with its complete actual requirements for the contract period, except that the estimated quantity shown for each quotation item shall not be exceeded by 100 % without the express written approval of the Materials Manager. Any demand or order made by any employee or officer of the City, other than the Materials Manager, for quantities in the excess of the estimated quantities shall be void if the written approval of the Materials Manager was not received prior to the Contractors performance.
- 2.19 EMERGENCY BUSINESS SERVICES** During a natural disaster, or homeland security event, there may be a need for the City to access your business for products or services twenty-four (24) hours a day, seven (7) days a week, three hundred sixty-five (365) days a year. The need could be for a pick up or a delivery.

For this purpose, a primary and secondary emergency contact name and phone number are required from the successful contractor(s). It is critical to the City that the contactor's

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emergency contact information remains current. The Materials Management staff member, identified on page 1, is to be contacted by E-mail with any change to a contact name or phone number.

All products or services provided to meet an emergency phone request are to be supplied as per the contract prices, terms and conditions. The Contractor may provide the fee (pricing) for an after-hours emergency opening of the business separate from the Price Sheet (Section 5.0). In general, the order will be placed using a City Procurement Card. The billing is to include the emergency opening fee, if applicable.

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3.0 ADDITIONAL SUBMISSION REQUIREMENTS

The Contractor shall provide three (3) references from companies for whom contractor has provided similar products/services in the last five years. Include company name, address, phone number, contract person, a description of the products/services provided Section 2.19, References).

References Below

City of Phoenix
 251 W. Washington St.
 Phoenix, AZ 85003
 Anne Shadle
 602-261-8988
 anne.shadle@phoenix.gov
 Supplied: Square Posts, Round Posts, and Bases

City of Tucson
 255 W. Alameda
 Tucson, AZ 85701
 Christina Schipansky
 520-837-4131
 christina.schipanskey@tucsonaz.gov
 Supplied: Square Posts, Anchors and Hardware

City of Avondale
 11465 West Civic Center Drive
 Avondale, AZ 85323
 Loretta Browning
 623-333-2029
 lbrowning@avondale.org
 Supplied: Square Posts, Brackets, Hardware and Tools

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4.0 OFFER SHEET

4.1 OFFER Offeror certifies that they have read, understand, and will fully and faithfully comply with this solicitation, its attachments and any referenced documents. Offeror also certifies that the prices offered were independently developed without consultation with any of the other Offerors or potential Offerors.

<u>Scott Beck</u> Authorized Signature	<u>Xcessories Squared Southwest Inc.</u> Company's Legal Name
<u>2665 S. La Luna</u> Printed Name Address	_____
<u>Lead Estimator</u> Title	<u>Goodyear, AZ 85338</u> City, State & Zip Code
<u>800-621-7948</u> Telephone Number	<u>623-882-1174</u> FAX Number
<u>sbeck@x-sqrd.com</u> Authorized Signature Email Address	<u>2/10/14</u> Date

For questions regarding this offer: (If different from above)

<u>Larry Gill</u> Contact Name <u>lgill@x-sqrd.com</u> Email Address	<u>602-738-3056</u> Phone Number	<u>623-882-1174</u> Fax Number
---	--	--

FEDERAL TAXPAYER ID NUMBER: [REDACTED]

Arizona Sales Tax No. [REDACTED] Tax Rate 8.8%

Offeror certifies it is a: Proprietorship Partnership Corporation

Minority or woman owned business: Yes No

	Solicitation Number: IFB 14-20 TRAFFIC SIGN POSTS	CITY OF GLENDALE Materials Management 5850 West Glendale Avenue, Suite 317 Glendale, Arizona 85301
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5.0 PRICE SHEET

ITEM NO.	ESTIMATED QUANTITY (A)	UNIT OF MEASURE	DESCRIPTION	UNIT PRICE (B)	EXTENDED PRICE (A X B)
1	500	EACH	Sign Post 1-3/4" x 1-3/4" x 9'	\$ 17.86	\$ 8,930.00
2	500	EACH	Sign Post 1-3/4" x 1-3/4" x 11'	\$ 21.55	\$ 10,775.00
3	250	EACH	Sign Post 1-3/4" x 1-3/4" x 12'	\$ 27.07	\$ 6,767.50
4	1000	EACH	Sign Post Base 2" x 2" x 3'	\$ 6.69	\$ 6,690.00
5	1000	EACH	Sign Post Sleeve 2-1/4" x 2-1/4"x18'	\$ 3.89	\$ 3,890.00
6	20	BOX	Steel Drive Rivets 3/8" x 1" (1000 rivets per box)	\$ 0.37	\$ 7,400.00
Grand Total					\$ 44,452.50

5.1 DELIVERY Contractor states that all items will be delivered 30 calendar days after receipt of order.

5.2 TAX AMOUNT Do not include any use tax or federal tax in your quotation. The City is exempt from the payment of federal excise tax and will add use tax as applicable. For the purpose of determining the lowest cost, the City will not take tax into consideration.

Tax % 8.8

5.3 ADDITIONAL DISCOUNT(S) OFFERED TO THE CITY

The Contractor should provide and honor additional discount(s) rates offered by the Contractor to its general customers.

Comply:

Yes No

We do not offer discounts to our general customers

Additional Discount Rate: 0.0 %

Company Name Xcessories Squared Southwest Inc.



• Traffic Sign Support Products •

February 10, 2014

To: The City of Glendale

Attn.: Elmer Garcia

Subject: Bid and Bid Tab

Enclosed is our Bid for the Traffic Sign Posts bid IFB 14-20.

Please send me a copy of the detailed Bid results from the February 13, 2014 Bid Opening by email at sbeck@x-sqrd.com or via regular mail. Thank you, in advance.

Sincerely,

A handwritten signature in black ink that reads "Scott Beck". The signature is written in a cursive style with a large, sweeping 'S' and 'B'.

Scott Beck



March 4, 2014

Mr. Larry Gill
Lead Estimator
Xcessories Squared Southwest Inc.
2665 S. La Luna
Goodyear, AZ 85338

Re: Request for Clarification
Invitation for Bid (IFB) No. 14.20, Traffic Sign Posts

Dear Mr. Gill:

In order for the City to continue its evaluation of your company's bid on IFB 14-20, the City is requesting clarification and additional information. This process does not afford any bidder the opportunity to alter or change their bid. Please clarify and/or provide the following:

1. On Item 6 of the PRICE SHEET, your company bid \$.037 on the Unit Price and \$7,400 on the Extended Price (see below).

ITEM NO.	ESTIMATED QUANTITY (A)	UNIT OF MEASURE	DESCRIPTION	UNIT PRICE (B)	EXTENDED PRICE (A X B)
6	20	BOX	Steel Drive Rivets 3/8" x 1" (1000 rivets per box)	\$0.37	\$7,400.00

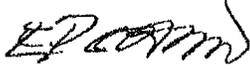
The City recalculated the Unit Price as \$370 ($$.37 \times 1000 \times 20$). Do you agree? Yes or No

2. On Item 1.2.2, your company stated that, "Material is ASTM A1011, Grade 50 Galvanized-ASTM A653, G90 Structural Quality, Grade 50, Class 1". Please explain these standards and describe whether the structural quality meets or exceeds the City's specifications.
3. On Item 1.2.3, your company claims that, "ASTM A525, G90 was replaced with ASTM A653, G90." Please submit valid documentation to substantiate your claim.
4. On Item 1.2.6, your company stated, "Minimum yield strength is 60,000 psi after cold forming." Please explain this quality and describe whether this quality meets or exceeds the City's specifications.

Please provide the requested information on or before March 7, 2014. Your response may be sent by email as a PDF attachment to egarcia1@glendaleaz.com.

Thank you for your prompt attention to this request.

Sincerely,



Elmer Garcia, CPPB
Contract Analyst
City of Glendale
Finance/Materials Management
5850 West Glendale Avenue, Suite 317
Glendale, AZ 85301
Tel: 623-930-2866
Email: EGarcia1@glendaleaz.com



• Traffic Sign Support Products •

March 6, 2014

Mr Elmar Garcia, CPPB
Contract Analyst
City of Glendale
Finance/Materials Management
5850 West Glendale Avenue, Suite 317
Glendale, AZ 85301

RE: Clarification for Invitation to bid (IFB) No. 14.20, Traffic Sign Posts

Dear Mr. Garcia,

In response to your request, I offer the following:

1. I agree that the recalculated price of \$370.00 per box of 1,000 steel drive rivets is correct.
Attachment: IFB14-20 clarification request
2. On Item 1.2.2, ASTM A570 standard was withdrawn in 2000 and replaced with ASTM A1011, which meets Glendale's specification.
Attachment: A570 to A1011
Also, Glendale specification shows the material being galvanized per ASTM A447 Gr. A. This designation is a standard for Steel Castings and is not a part of the Steel Tubing Specification.
Attachment: A447
3. On Item 1.2.3, ASTM A525 standard was withdrawn in 1994 and replaced with ASTM A653. The G90 designation denotes the amount of zinc in oz/sq. ft.. The ASTM 653 specification we offered is still designated G90, which meets Glendale's specification.
Attachments: A525 & A653
4. On Item 1.2.6, the Minimum Yield Strength of 60,000 psi Exceeds the city's specification of 33,000 psi, creating a stronger section while still maintaining it's Acceptable FHWA yielding characteristics. The increase in Minimum Yield Strength due to cold forming as explained by testing conducted by AISI(American Iron and Steel Institute).
Attachment: Strength Increase from Cold Work of Forming.

I hope this clarifies Xcessories Squared Southwest's offering on IFB14-20. If any additional clarification is needed, please don't hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Matt Leahy". The signature is written in a cursive style with a long, sweeping underline.

Matt Leahy

President

Xcessories Squared Southwest

2665 S. La Luna

Goodyear, AZ 85338



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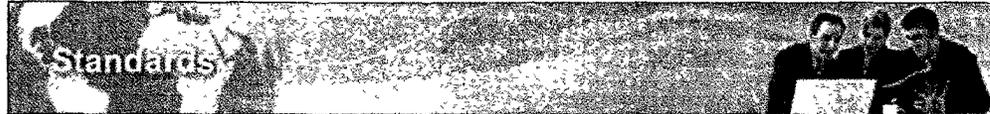
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ASTM A570/A570M-98

Withdrawn Standard: ASTM A570/A570M-98 Standard Specification for Steel, Sheet and Strip, Carbon, Hot-Rolled (Withdrawn 2000)

Developed by Subcommittee: A01.19

WITHDRAWN, REPLACED BY A1011/A1011M

There is no PDF download available at this time, however you may purchase a copy of this document from Global Engineering Documents (Email: globalcustomerservice@ihs.com; Phone: 800-854-7179 or 303-397-7956).

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Description

1. Scope

1.1 This specification covers hot-rolled carbon steel sheet and strip of structural quality in cut lengths or coils. This material is intended for structural purposes where mechanical test values are required, and is available in a maximum thickness of 0.229 in. [6.0 mm] except as limited by Specification A568/A568M and A749/A749M. The maximum thickness may be further limited by the capacity of the composition to meet the specified mechanical property requirements.

1.1.1 The following grades are covered in this specification:

Mechanical Properties Yield Point, min, Tensile Strength, Grade ksi [MPa] min, ksi [MPa] 30 30 [205] 49 [340] 33 33 [230] 52 [360] 36 36 [250] 53 [365] 40 40 [275] 55 [380] 45 45 [310] 60 [415] 50 50 [345] 65 [450] 55 55 [380] 70 [480]

1.2 The values stated in either U.S. inch-pound units or SI (metric) units are to be regarded separately as standard. Within the text the SI units are shown in brackets. The values stated in each system are not exact equivalents, therefore each system must be used independently of the other. Combining values of the two systems may result in nonconformance with the specification.

ASTM A447 / A447M - 11

Standard Specification for Steel Castings, Chromium-Nickel-Iron Alloy (25-12 Class), for High-Temperature Service

Active Standard ASTM A447 / A447M | Developed by Subcommittee: [A01.18](#)

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ASTM A447 / A447M

Abstract

This specification covers iron-base, heat-resisting alloy castings, intended for structural elements, containers, and supports in electric furnaces, petroleum still tube supports, and for similar applications. The alloys shall be electric-furnace processed and heat treated. The castings shall conform to the required chemical compositions of nickel, chromium, carbon, nitrogen, manganese, silicon, phosphorus, sulfur, and iron. The specimens shall undergo tension test after aging and short-time high-temperature tension test and shall conform to the required values of tensile strength and elongation. A stress-rupture test shall also be performed wherein the specimens shall conform to the required values of tensile stress. The specimen shall also conform to the required values of magnetic permeability.

This abstract is a brief summary of the referenced standard. It is informational only and not an official part of the standard, the full text of the standard itself must be referred to for its use and application. ASTM does not give any warranty express or implied or make any representation that the contents of this abstract are accurate, complete or up to date.

1. Scope

1.1 This specification covers iron-base, heat-resisting alloy castings of the 25 % chromium, 12 % nickel class, intended for structural elements, containers, and supports in electric furnaces, petroleum still tube supports, and for similar applications up to 2000°F [1095°C]. The purchaser should inform the manufacturer when the service temperatures are to exceed 1800°F [980°C].

1.2 In the absence of significant proportions of elements other than those prescribed in Section 4, the two types of alloys covered by this specification may in general be distinguished as follows:

1.2.1 Type I—Alloys characterized by relatively low limiting creep stress at temperatures between 1500 and 2000°F [815 and 1095°C], and relatively high ductility at ordinary temperatures after aging for short periods at temperatures between 1300 and 1500°F [705 and 815°C].

1.2.2 Type II—Alloys having relatively high limiting creep stress but which may develop low ductility at ordinary temperatures when aged for short periods at temperatures between 1350 and 1500°F [730 and 815°C].

1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents, therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

1.3.1 Within the text, the SI units are shown in brackets.

1.4 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2. Referenced Documents (purchase separately)

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ASTM A525-93

Withdrawn Standard: ASTM A525-93 Specification for General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process (Withdrawn 1994)

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ASTM A653 / A653M - 13

Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

Active Standard ASTM A653 / A653M | Developed by Subcommittee A05.11

Book of Standards Volume: 01.06

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ASTM A653 / A653M

Abstract

This specification covers steel sheet, zinc-coated (galvanized) or zinc-iron alloy-coated (galvannealed) by the hot-dip process in coils and cut lengths. The material is available in several designations as follows: commercial steel, forming steel, deep drawing steel, extra deep drawing steel, structural steel, high strength low alloy steel, high strength low alloy steel with improved formability, solution hardened steel, and bake hardenable steel. Structural steel, high strength low alloy steel, solution hardened steel, and bake hardenable steel are available in several grades based on mechanical properties. Yield strength, elongation, and bending properties of the steel shall be determined. A bend test shall be done to the coated sheets.

This abstract is a brief summary of the referenced standard. It is informational only and not an official part of the standard, the full text of the standard itself must be referred to for its use and application. ASTM does not give any warranty express or implied or make any representation that the contents of this abstract are accurate, complete or up to date.

1. Scope

1.1 This specification covers steel sheet, zinc-coated (galvanized) or zinc-iron alloy-coated (galvannealed) by the hot-dip process in coils and cut lengths.

1.2 The product is produced in various zinc or zinc-iron alloy-coating weights [masses] or coating designations as shown in Table 1 and in Table S2.1.

TABLE 1 Weight [Mass] of Coating Requirements^{a, b, c}

NOTE 1— Use the information provided in 8.1.3 to obtain the approximate coating thickness from the coating weight [mass].

Type	Coating Designation	Minimum Requirement ^d		SST Total Both Sides, oz/ft ²
		Triple-Spot Test (TST)		
		Inch-Pound Units		
		TST Total Both Sides, oz/ft ²	TST One Side, oz/ft ²	
Zinc	G01	no minimum	no minimum	no minimum
	G30	0.30	0.10	0.25
	G40	0.40	0.12	0.30
	G60	0.60	0.20	0.50

	G90	0.90	0.32	0.80
	G100	1.00	0.36	0.90
	G115	1.15	0.40	1.00
	G140	1.40	0.48	1.20
	G165	1.65	0.56	1.40
	G185	1.85	0.64	1.60
	G210	2.10	0.72	1.80
	G235	2.35	0.80	2.00
	G300	3.00	1.04	2.60
	G360	3.60	1.28	3.20
Zinc-Iron alloy	A01	no minimum	no minimum	no minimum
	A25	0.25	0.08	0.20
	A40	0.40	0.12	0.30
	A60	0.60	0.20	0.50

SI Units

Type	Coating Designation	TST Total Both Sides, g/m ²	TST One Side, g/m ²	SST Total Both Sides, g/m ²
Zinc	Z001	no minimum	no minimum	no minimum
	Z90	90	30	75
	Z120	120	36	90
	Z180	180	60	150
	Z275	275	94	235
	Z305	305	110	275
	Z350	350	120	300
	Z450	450	154	385
	Z500	500	170	425
	Z550	550	190	475
	Z600	600	204	510
	Z700	700	238	595
	Z900	900	316	790
	Z1100	1100	390	975
Zinc-Iron alloy	ZF001	no minimum	no minimum	no minimum
	ZF75	75	24	60

ZF120	120	<p>A90/A90M Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings</p> <p>A370 Test Methods and Definitions for Mechanical Testing of Steel Products</p> <p>A568/A568M Specification for Steel, Sheet, Carbon, Structural, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for</p> <p>A902 Terminology Relating to Metallic Coated Steel Products</p> <p>A924/A924M Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process</p> <p>D7396 Guide for Preparation of New, Continuous Zinc-Coated (Galvanized) Steel Surfaces for Painting</p> <p>E517 Test Method for Plastic Strain Ratio r for Sheet Metal</p> <p>E646 Test Method for Tensile Strain-Hardening Exponents (n-Values) of Metallic Sheet Materials</p> <p>ISO Standard ISO 4998 Continuous Hot-Dip Zinc-Coated Carbon Steel of Structural Quality</p> <p>Keywords Alloy Coated - Annealing - High-Strength Low-Alloy Steel - Hot-Dip Galvanizing - Hot-Dip Process - Hsla Steel - Precipitation Hardening - Sheet, Strips And Coils - Solution Hardening - Steel - Steel Sheets - Zinc Coated - Zinc-Coated Steel Products - Zinc-Iron Alloy-Coated Steel Products</p> <p>ICS Code ICS Number Code 77.140.50 (Flat steel products and semi-products)</p> <p>UNSPSC Code UNSPSC Code 30264000 (Carbon steel sheets)</p> <p>DOI: 10.1520/A0653_A0653M</p> <p> ASTM International is a member of CrossRef.</p> <p>ASTM A653 / A653M</p> <p>CITING ASTM STANDARDS</p> <p>BACK TO TOP</p> <p>Recommended</p> <p>Standards Tracker Standards Subscriptions</p> <p>Customers frequently also buy: A1011A1011M</p>
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2.14 STRENGTH INCREASE FROM COLD WORK OF FORMING

When flat steel is cold formed into any shape its mechanical properties are modified and its base thickness may be changed. The effect of cold forming on the mechanical properties of a particular steel section is shown in Figure 2.14-1.

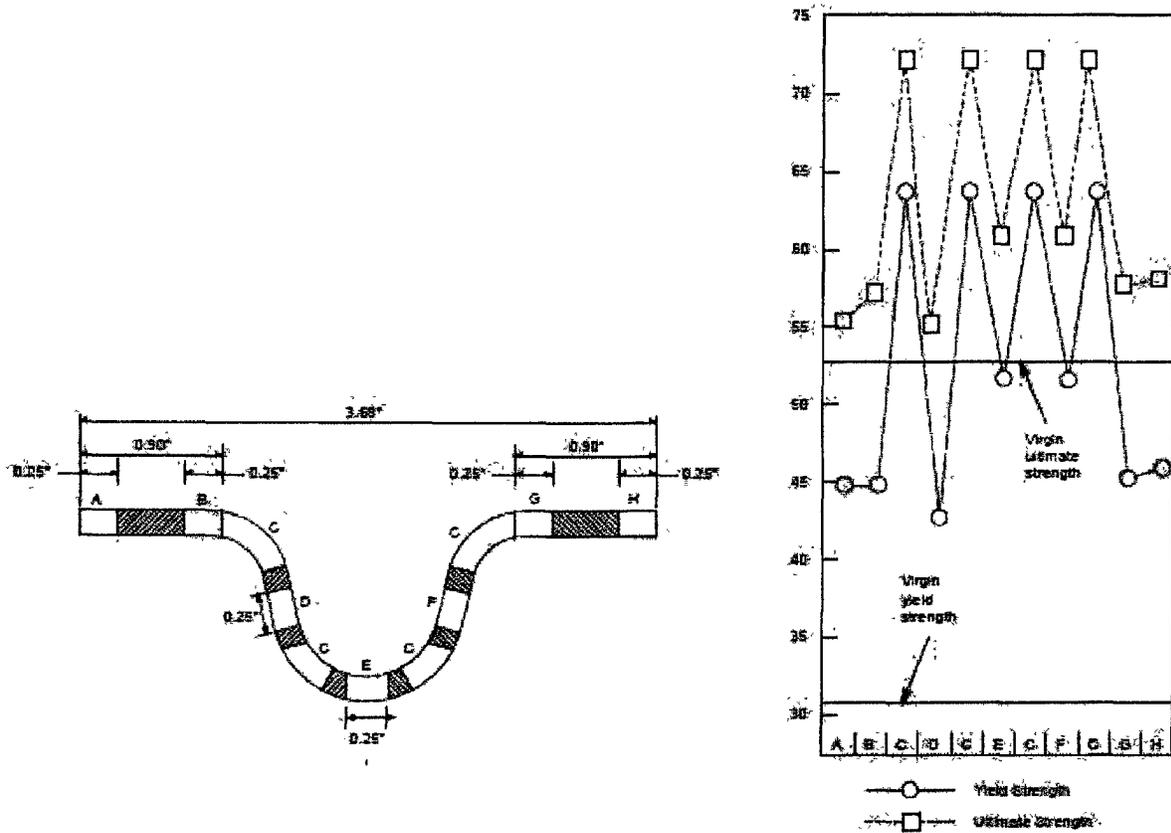


Figure 2.14-1 Effect of cold work on mechanical properties in a cold-formed steel section¹

Sufficient research has been conducted by AISI² to permit a good estimate of the increased yield strength due to simple bending of a flat sheet. Corner bends have a higher yield strength and lower ductility than the flat portion of a cross section, and a slightly reduced thickness. The additional yield strength is primarily a function of the corner inside-bend-radius-to-thickness ratio, R/t , of the bend and F_u/F_y , the ratio of tensile-to-yield strength of the as-received material.



BID TABULATION SHEET

FINANCE DEPARTMENT/MATERIALS

IFB NAME: TRAFFIC SIGN POSTS

IFB NO.: 14-20

DUE DATE: February 13, 2014

CONTRACT ANALYST: Elmer Garcia

			CENTERLINE SUPPLY WEST		XCESSORIES SQUARED SOUTHWEST INC.		ZUMAR INDUSTRIES, INC.	
ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY (A)	UNIT PRICE (B)	EXTENDED PRICE (A X B)	UNIT PRICE (B)	EXTENDED PRICE (A X B)	UNIT PRICE (B)	EXTENDED PRICE (A X B)
1	Sign Post 1-3/4" x 1-3/4" x 9'	500	\$18.11	\$9,055.00	\$17.86	\$8,930.00	\$18.48	\$9,240.00
2	Sign Post 1-3/4" x 1-3/4" x 11'	500	\$22.13	\$11,065.00	\$21.55	\$10,775.00	\$22.59	\$11,295.00
3	Sign Post 1-3/4" x 1-3/4" x 12'	250	\$24.15	\$6,037.50	\$27.07	\$6,767.50	\$24.64	\$6,160.00
4	Sign Post Base 2" x 2" x 3'	1000	\$7.76	\$7,760.00	\$6.69	\$6,690.00	\$7.88	\$7,880.00
5	Sign Post Sleeve 2-1/4" x 2-1/4"x18'	1000	\$4.39	\$4,390.00	\$3.89	\$3,890.00	\$4.47	\$4,470.00
6	Steel Drive Rivets 3/8" x 1" (1000 rivets per box)	20	\$670.00	\$13,400.00	\$370.00	\$7,400.00	\$600.00	\$12,000.00
GRAND TOTAL				\$51,707.50	\$44,452.50	\$51,045.00		