

CITY OF EL MIRAGE  
BID DOCUMENTATION

BID REQUEST: Dysart Road and Acoma Drive Traffic Signal EM20-TS01

OPENING DATE: 2/3/2021 TIME: 1:30 pm PLACE: Cinnabar Conference Room

REQUIRED AS PER SPECS:

- (A) Notice of Invitation to Bid (Pg. 2)
- (B) Bid form & Schedule (Pgs 23 – 31)
- (C) Questionnaire (Pg. 32 -34)
- (D) Bid Bond (P. 35)
- (E) List of Subcontractors (Pg. 36)

VENDOR: <u>AJP Electric</u>	
ADDRESS: <u>1920 W. Cheryl Dr. Phoenix AZ</u>	
TELEPHONE: <u>(602) 944-5477</u>	FAX: <u>( )</u>
E-MAIL: _____	
BID AMOUNT:	
Total Project Cost	\$ <u>529,571.20</u>

ACKNOWLEDGMENT OF RECEIPT:

Sharon Autes  
City Clerk

Sarah Grider  
Witness



# City of El Mirage, Arizona

## Notice of Invitation to Bid

### Addendum No. 2



Invitation to Bid No:	EM20-TS01	Bid Due Date: <b>February 3, 2021</b>
Materials and/or Services:	Dysart Road-Acoma Drive Traffic Signal Project	Time: <b>1:30 p.m.</b> , Arizona time
Bid Location:	City Hall 10000 N El Mirage Road El Mirage, Arizona 85335	Contact: Bryce Christo
		Email: <a href="mailto:bchristo@elmirageaz.gov">bchristo@elmirageaz.gov</a>

In accordance with City of El Mirage Procurement Code competitive sealed bids for the material or services specified will be received by the City of El Mirage CDD – Engineering Division at the specified location until the date and time cited above. Bids received by the correct date and time shall be publicly opened and the bid price read. Bids shall be in the actual possession of the City of El Mirage CDD – Engineering Division on or prior to the exact date and time indicated above. Late bids will not be considered, except as provided in the City of El Mirage Procurement Code. **Bids shall be submitted in a sealed envelope with the Invitation to Bid number and the bidder's name and address clearly indicated on the front of the envelope.** All bids shall be completed in ink or typewritten. Bidders are strongly encouraged to carefully read the **entire** Invitation to Bid Package.

#### OFFER

To the City of El Mirage:

The undersigned hereby offers and agrees to furnish materials and/or services in compliance with all terms, conditions, specifications and amendments in the Notice of Invitation to Bid except for any written exceptions in the offer. The signature below also certifies his or her understanding and compliance with paragraph one of the City of El Mirage Standard Terms and Conditions.

Arizona Transaction (Sales) Privilege  
Tax License Number: 07-470050-V

For clarification of this offer contact:  
Name: Greg Cliffords

Federal Employer Identification  
Number: 86-0750443

Telephone: 602-944-5477

A J P Electric, Inc.

Company Name

1920 W. Cheryl Dr.

Address

Phoenix, AZ 85021

City State Zip Code

Authorized Signature for Offer

Anna Paganik

Printed Name

President

Title

#### ACCEPTANCE OF OFFER AND CONTRACT AWARD (For City of El Mirage Use Only)

Your offer is hereby accepted. The Contractor is now bound to sell the materials and/or services listed by the attached award notice based upon the solicitation, including all terms conditions, specifications, amendments, etc., and the Contractor's offer as accepted by the City. The Contractor is hereby cautioned not to commence any billable work or provide any material, service or construction under this contract until Contractor receives an executed **Purchase Order**.

Attested by:  
  
Sharon Antes, City Clerk

City of El Mirage, Arizona. Eff. Date: \_\_\_\_\_

Approved as to form:  
  
Justin Pierce, City Attorney

Awarded on \_\_\_\_\_,  
  
J. Crystal Dyches, City Manager

City Seal



**BID FORM & SCHEDULE  
ADDENDUM NO. 2**

**CDD – Engineering Div.**

10000 N. El Mirage Road  
El Mirage, AZ 85335

Phone: (623) 972-8116  
Fax: (623) 876-4605

Solicitation Number: EM20-TS01

**BID FORM & SCHEDULE**

Owner: **City of El Mirage**

Project: **Dysart Road-Acoma Drive  
Traffic Signal Project**  
(Project No. EM20-TS01)

Pursuant to the request for bids to be opened on February 3, 2021 at 1:30 p.m., Arizona Time, at the City of El Mirage City Hall, 10000 N. El Mirage Road, El Mirage, AZ, for the above project, the Contractor proposes to complete all the work shown on the plans and in accordance with these bid documents and technical specifications, including furnishing all labor, equipment, and materials, at the unit prices inserted by the Bidder/Contractor on the bid schedule included within this bid form.

This **Bid Schedule** of construction items and unit prices shall be completed in ink or typed by the Bidding Contractor. In case of discrepancy between the unit price cost and extended amount, the unit price cost shall control and a new extended amount shall be determined by the project Owner. Corrections to the unit price or extended amount made prior to submitting the bid are acceptable provided the amount to be replaced is struck through and the replacement value clearly written and initialed; except that any ‘Allowance Items’ shall not be adjusted.

A unit price and the extended amount must be entered for each and every item, and the appropriate total bid amount blank shall be filled out.

Bidder agrees to perform all the necessary work to complete the:

**Dysart Road-Acoma Drive Traffic Signal Project**  
(Project No. EM20-TS01)

The **Bid Schedule** of unit prices for the various items of work is included herein starting on the next page. The unit prices shall include the cost of all incidental and subsidiary work needed to satisfactorily complete each item of construction work to make a complete and fully functional water system. The cost of insurance, bonds, permits, taxes, and other necessary fees to perform this work shall be included where applicable in the unit costs and the bid amount. No additional payment over and above the bid/contract unit prices will be considered or made for any work that is associated with and required to complete the construction items of work.

Please review all provided information, fill in the **Bid Schedule** herein including the **Total Bid Amount**, sign and submit the final Bid Form and Bid Schedule.



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NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST IN WRITING	UNIT COST IN FIGURES	BID ITEM TOTAL
1.	REMOVE & REPLACE BUSHES & PLANTS IN KIND	1	LS	\$ One thousand five hundred and 00/100	\$ 1,500.00	\$ 1,500.00
2.	REPAIR & RESTORATION OF LANDSCAPING IRRIGATION SYSTEM	1	LS	\$ Four thousand and 00/100	\$ 4,000.00	\$ 4,000.00
3.	REMOVE & RELOCATE BOULDERS	1	LS	\$ One thousand and 00/100	\$ 1,000.00	\$ 1,000.00
4.	REPLENISH DECOMPOSED GRANITE SURFACING & RESTORATION OF SITE	1	LS	\$ Three thousand two hundred and 00/100	\$ 3,200.00	\$ 3,200.00
5.	REMOVE SIDEWALKS & CURB RAMPS	<b>2,775</b>	SF	\$ Two and 00/100	\$ 2.00	\$ 5,550.00
6.	REMOVE CURB & GUTTER	604	LF	\$ Five and 00/100	\$ 5.00	\$ 3,020.00
7.	REMOVE VALLEY GUTTER & APRON	<b>334</b>	SF	\$ Five and 00/100	\$ 5.00	\$ 1,670.00
8.	SAW CUT PAVEMENT FOR REMOVAL	<b>597</b>	LF	\$ Two and 00/100	\$ 2.00	\$ 1,194.00
9.	REMOVE ASPHALT PAVEMENT	<b>513</b>	SY	\$ Eight and 50/100	\$ 8.50	\$ 4,360.50
10.	ROADWAY EXCAVATION	<b>330</b>	CY	\$ Thirty five and 00/100	\$ 35.00	\$ 11,550.00



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NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST IN WRITING	UNIT COST IN FIGURES	BID ITEM TOTAL
11.	REMOVE TRAFFIC SIGN COMPLETE	1	EA	\$ Eighty and 00/100	\$ 80.00	\$ 80.00
12.	INSTALL APS FURNISHED ELECTRIC J-BOX	2	EA	\$ Five hundred and 00/100	\$ 500.00	\$ 1,000.00
13.	INSTALL APS FURNISHED STREET LIGHT FOUNDATION SONOTUBE & GROUND RODS	1	EA	\$ Six hundred and 00/100	\$ 600.00	\$ 600.00
14.	ADJUST ELECTRICAL J-BOX TO GRADE	1	EA	\$ Four hundred and 00/100	\$ 400.00	\$ 400.00
15.	ABANDON COMMUNICATIONS VAULT	1	EA	\$ One thousand and 00/100	\$ 1,000.00	\$ 1,000.00
16.	RELOCATE GAS MARKER SIGN	1	EA	\$ One hundred and 00/100	\$ 100.00	\$ 100.00
17.	REMOVE FIRE HYDRANT	1	EA	\$ Eight hundred and 00/100	\$ 800.00	\$ 800.00
18.	INSTALL FIRE HYDRANT ASSEMBLY, COEM DTL 360	1	EA	\$ Four thousand four hundred eighty and 00/100	\$ 4,480.00	\$ 4,480.00
19.	CONSTRUCT ASPHALT PAVEMENT, 5" DEPTH ASPHALT ON 12" DEPTH AGGREGATE BASE COURSE	500	SY	\$ Seventy and 00/100	\$ 70.00	\$ 35,000.00



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NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST IN WRITING	UNIT COST IN FIGURES	BID ITEM TOTAL
20.	CONSTRUCT ASPHALT PAVEMENT, 4" DEPTH ASPHALT ON 8" DEPTH AGGREGATE BASE COURSE	280	SY	\$ Seventy-five and 00/100	\$ 75.00	\$ 21,000.00
21.	CONSTRUCT VERTICAL CURB & GUTTER, MAG DTL 220-1, TYPE A	550	LF	\$ Forty and 00/100	\$ 40.00	\$ 22,000.00
22.	CONSTRUCT VALLEY GUTTER, MAG DTL 240	<b>733</b>	SF	\$ Twenty and 00/100	\$ 20.00	\$ 14,660.00
23.	CONSTRUCT DIRECTIONAL CURB RAMP WITH ATTACHED SIDEWALK, DUAL RAMP, MAG DTL 237-1	2	EA	\$ Five thousand five hundred and 00/100	\$ 5,500.00	\$ 11,000.00
24.	CONSTRUCT PERPENDICULAR CURB RAMP, MAG DTL 238-1	2	EA	\$ Two thousand eight hundred and 00/100	\$ 2,800.00	\$ 5,600.00
25.	CONSTRUCT SIDEWALK, 4" DEPTH, MAG 230	<b>2,104</b>	SF	\$ Eight and 00/100	\$ 8.00	\$ 16,832.00
26.	CONSTRUCT CONCRETE MEDIAN NOSE TRANSITION, 4" THICK, MAG DET 223	50	SF	\$ Seven and 00/100	\$ 7.00	\$ 350.00
27.	INSTALL TRAFFIC SIGN POST & FOUNDATION	10	EA	\$ Two hundred seventy and 00/100	\$ 270.00	\$ 2,700.00
28.	INSTALL TRAFFIC SIGN	<b>15</b>	EA	\$ One hundred eighty and 00/100	\$ 180.00	\$ 2,700.00



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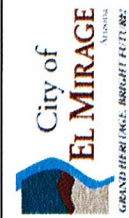
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29.	ATTACH TRAFFIC SIGN TO EXISTING SIGN POST	2	EA	\$ Two hundred and 00/100	\$ 200.00	\$ 400.00
30.	PAINT TEMPORARY PAVEMENT MARKINGS, WHITE	2,587	LF	\$ One and 50/100	\$ 1.50	\$ 3,880.50
31.	PAINT TEMPORARY SYMBOLS & LEGENDS	8	EA	\$ Forty and 00/100	\$ 40.00	\$ 320.00
32.	APPLY THERMOPLASTIC PAVEMENT MARKINGS, WHITE	2,587	LF	\$ One and 70/100	\$ 1.70	\$ 4,397.90
33.	APPLY THERMOPLASTIC PAVEMENT MARKINGS, YELLOW	599	LF	\$ One and 70/100	\$ 1.70	\$ 1,018.30
34.	APPLY THERMOPLASTIC PAVEMENT MARKING SYMBOLS	8	EA	\$ Two hundred seventy-five and 04/100	\$ 275.00	\$ 2,200.00
35.	INSTALL TYPE Q POLE & FOUNDATION WITH 25' SIGNAL MAST ARM & 20' LUMINAIRE MAST ARM	1	EA	\$ Sixteen thousand and 00/100	\$ 16,000.00	\$ 16,000.00
36.	INSTALL TYPE Q POLE & FOUNDATION WITH 30' SIGNAL MAST ARM & 20' LUMINAIRE MAST ARM	1	EA	\$ Seventeen thousand and 00/100	\$ 17,000.00	\$ 17,000.00
37.	INSTALL TYPE R POLE & FOUNDATION WITH 45' SIGNAL MAST ARM AND 20' LUMINAIRE MAST ARM	1	EA	\$ Eighteen thousand and 00/100	\$ 18,000.00	\$ 18,000.00

 <p><b>City of EL MIRAGE</b> ARIZONA GRAND HERITAGE. BRIGHT FUTURE.</p>	<p><b>BID FORM &amp; SCHEDULE</b> <b>ADDENDUM NO. 2</b></p> <p>Solicitation Number: EM20-TS01</p>
<p><b>CDD – Engineering Div.</b> 10000 N. El Mirage Road El Mirage, AZ 85335 Phone: (623) 972-8116 Fax: (623) 876-4605</p>	

NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST IN WRITING	UNIT COST IN FIGURES	BID ITEM TOTAL
38.	INSTALL TYPE G POLE & FOUNDATION, 30' HEIGHT & 20' LUMINAIRE MAST ARM	1	EA	\$ Four thousand seven hundred and 00/100	\$ 4,700.00	\$ 4,700.00
39.	INSTALL TYPE A POLE & FOUNDATION, 8' HEIGHT	1	EA	\$ One thousand six hundred and 00/100	\$ 1,600.00	\$ 1,600.00
40.	INSTALL SCHEDULE 40 PVC CONDUIT, 3" DIA, IN TRENCH WITH PULL CORD	499	LF	\$ Twenty-five and 00/100	\$ 25.00	\$ 12,475.00
41.	INSTALL SCHEDULE 40 PVC CONDUIT, 2-1/2" DIA, IN TRENCH WITH PULL CORD	275	LF	\$ Twenty-five and 00/100	\$ 25.00	\$ 6,875.00
42.	INSTALL SCHEDULE 40 PVC CONDUIT, 2" DIA, IN TRENCH WITH PULL CORD	18	LF	\$ Twenty-five and 00/100	\$ 25.00	\$ 450.00
43.	INSTALL SCHEDULE 40 PVC CONDUIT, 3" DIA, BY DIRECTIONAL DRILLING	298	LF	\$ Fifty and 00/100	\$ 50.00	\$ 14,900.00
44.	INSTALL NO.7 PULL BOX, 24" DEPTH	1	EA	\$ Seven hundred twenty-five and 00/100	\$ 725.00	\$ 725.00
45.	INSTALL NO.7 PULL BOX, 12" DEPTH	3	EA	\$ Six hundred and 00/100	\$ 600.00	\$ 1,800.00
46.	INSTALL ELECTRICAL CONDUCTORS, COMPLETE	1	LS	\$ Sixteen thousand and 00/100	\$ 16,000.00	\$ 16,000.00
47.	INSTALL TRAFFIC SIGNAL FACE, TYPE F, 12" LED	8	EA	\$ Six hundred twenty-six and 00/100	\$ 626.00	\$ 5,008.00



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48.	INSTALL TRAFFIC SIGNAL FACE, TYPE G, 12" LED	3	EA	\$ One thousand and 00/100	\$ 1,000.00	\$ 3,000.00
49.	INSTALL PEDESTRIAN COUNTDOWN SIGNAL HEADS	6	EA	\$ Six hundred fifty and 00/100	\$ 650.00	\$ 3,900.00
50.	INSTALL SIGNAL HEAD MOUNTING ASSEMBLY, TYPE IV	5	EA	\$ Six hundred and 00/100	\$ 600.00	\$ 3,000.00
51.	INSTALL SIGNAL HEAD MOUNTING ASSEMBLY, TYPE V	6	EA	\$ Seven hundred and 00/100	\$ 700.00	\$ 4,200.00
52.	INSTALL SIGNAL HEAD MOUNTING ASSEMBLY, PELCO	6	EA	\$ Three hundred sixty and 00/100	\$ 360.00	\$ 2,160.00
53.	INSTALL TS2 ECONOLITE COBALT CONTROLLER	1	EA	\$ Thirteen thousand one hundred and 00/100	\$ 13,100.00	\$ 13,100.00
54.	INSTALL TYPE 1 SERVICE CABINET & FOUNDATION WITH UPS & BATTERY BACK UP SYSTEMS	1	EA	\$ Thirty-five thousand and 00/100	\$ 35,000.00	\$ 35,000.00
55.	INSTALL MYERS MEUG16A-M100 METER PEDESTAL & FOUNDATION	1	EA	\$ Three thousand four hundred and 00/100	\$ 3,400.00	\$ 3,400.00
56.	INSTALL VIDEO DETECTION CAMERA SYSTEM	1	LS	\$ Twenty-five thousand nine hundred and 00/100	\$ 25,900.00	\$ 25,900.00
57.	INSTALL GTT MODEL 721 EMERGENCY VEHICLE SIGNAL PREEMPTION SYSTEM	1	LS	\$ Eight thousand four hundred seventy-five and 00/100	\$ 8,475.00	\$ 8,475.00



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58.	INSTALL PEDESTRIAN PUSH BUTTONS WITH SIGNS	6	EA	\$ One thousand six hundred and 00/100	\$ 1,600.00	\$ 9,600.00
59.	INSTALL LUMINAIRE	4	EA	\$ Six hundred seventy-five and 00/100	\$ 675.00	\$ 2,700.00
60.	INSTALL ILLUMINATED STREET NAME SIGNS	3	EA	\$ Six thousand one hundred eighty and 00/100	\$ 6,180.00	\$ 18,540.00
61.	PROVIDE POWER SUPPLY & SERVICE FOR TRAFFIC SIGNALS & LUMINAIRES	1	LS	\$ Ten thousand five hundred and 00/100	\$ 10,500.00	\$ 10,500.00
62.	TRAFFIC CONTROL	1	LS	\$ Thirty-five thousand and 00/100	\$ 32,000.00	\$ 32,000.00
63.	MOBILIZATION	1	LS	\$ Forty-nine thousand and 00/100	\$ 49,000.00	\$ 49,000.00
<b>TOTAL BID AMOUNT (IN FIGURES)</b>					<del>529,571.00</del> <sup>AP</sup>	<del>529,571.00</del>
<b>TOTAL BID AMOUNT IN WRITING:</b> Five hundred twenty-nine thousand five hundred seventy-one and 20/100						

