

**CITY OF IMPERIAL**  
**“AHSC-ARPA/HWY 86 BEAUTIFICATION**  
**PHASE 1 PROJECT”**  
*Bid No. 2024-07*

**ADDENDUM No. 5**  
08/21/2024

TO THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

**NOTICE TO ALL POTENTIAL RESPONDENTS**

The Bid Documents and Specifications are modified as set forth in this Addendum. The original Bid Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the Bid Documents and Specifications. Respondent shall take this Addendum into consideration when preparing and submitting its Proposal.

Bidders are advised that the contract documents and specifications for the above referenced contract are hereby amended in the following manner and the following manner only:

This Addendum answers bidder’s questions

1. Does the City have soil testing results for this project or any related information that can be offered to facilitate the analysis of landscaping items?

**The City currently has the following two (2) soils analysis reports, attached herewith for your review, which were completed near Old SR-86 in the vicinity of this project:**

**Exhibit A: PLOT #: TRANSIT-1**

**Prepared by Helena Agri-Enterprises, LLC dated 25-Oct-18.**

**Exhibit B: Report No: 22-259-0791**

**Prepared by Waypoint Analytical dated 09-16-2022.**

**Based on the results of Exhibit A, it shall be removed a minimum of 12” of the top existing soil from the targeted areas within Old SR-86 due to extreme sodium problems.**

2. Proposal Bid Sheet

**The Replace the 6-page PROPOSAL BID SHEET on pages 61 to 66 with the PROPOSAL BID SHEETS REV 4 dated 08/21/2024 attached herewith as part of this Addendum No. 5.**

3. Please clarify the time for this BID Opening which is scheduled to take place on Monday, August 26, 2024.

**The time is 10:00 A.M.**

Please acknowledge receipt of this addendum by signing and returning a copy of the Acceptance of Notice via email to [jvillegas@cityofimperial.org](mailto:jvillegas@cityofimperial.org). Each bidder must acknowledge receipt of this addendum in the noted space below and on the signature page of the Bid Sheet Proposal.

**Include a copy of this addendum with your Bid Proposal Package. It is the Contractor's responsibility to notify its sub-contractors about changes based all addendums.**



Date 8/21/24

By: Othon Mora  
Community Development Director

**ACCEPTANCE OF NOTICE**

Receipt of the ADDENDUM No. 5 is hereby acknowledged by

\_\_\_\_\_  
Bidder's Company Name

\_\_\_\_\_  
Date

By \_\_\_\_\_  
Type or Print Name & Signature

\_\_\_\_\_  
Title

# Exhibit A

**PLOT #: TRANSIT-1**

## Helena Agri-Enterprises, LLC

101 West Carey Road - Brawley, CA 92227  
Phone: 760-344-6400 Fax: 760-344-3452 E-Mail: bshrop@shroppy.com

Client: SIERRA\_MTI

City: EL CENTRO, CA

Date: 25-Oct-18

Location		IMPERIAL LANDSCAPE		Previous Analyses & Applications						
Crop		1 \ TRANSIT								
Sample \ Field		32460 \ D0059								
Control ID \ Lab #		64.91 K-DISPLACEMENT TEST NEEDED								
Total Exchange Capacity (M.E.)		69 : 11								
Desired Ca : Mg Ratio		7.66								
pH of Soil Sample		1.3								
Humus Content, Percent										
BASE SATURATION PERCENT				%		%				
Calcium (60 to 70%) } 80%		43.61								
Magnesium (10 to 20%) }		15.85								
Potassium (2 to 5%)		1.35								
Sodium (.5 to 3%)		35.45		SODIUM >12 K-DISPLACEMENT						
Other Bases (Variable)		3.74								
EXCHANGEABLE HYDROGEN (10 to 15%)		0.00		<b>RECOMMENDATIONS</b>						
<b>ANIONS</b>	NITROGEN		45	Amendment		Lbs/Acre	Previous	Added	Previous	Added
	Lbs/Acre	ENR Value		<b>AS NEEDED</b>						
	SULFATE - S		50	<b>HYDRO HUME DG</b>		50				
	p.p.m.	Min. Value Value Found	66	<b>OK LIQUID CHISEL (a)</b>						
PHOSPHATES		150	<b>GOOD</b>		300					
as (P2O5)	Desired-Value Olsen Value Value Found	96	<b>MAP 11-52-0</b>							
Lbs/Acre	Deficit/Surplus	-54								
<b>CATIONS</b>	CALCIUM		18694	<b>CAL CARB (LIME) (b)</b>		8000				
	Lbs/Acre	Desired Value Value Found Deficit/Surplus	11323 -7371	<b>ADDITIONAL LIME REQ ( c)</b>						
	MAGNESIUM		1714	<b>EXCESSIVE</b>		400				
	Lbs/Acre	Desired Value Value Found Deficit/Surplus	2468 +754	<b>EXTREMELY DEFICIENT</b>						
POTASSIUM		2531	<b>POT SULFATE 0-0-50 (d)</b>							
Lbs/Acre	Desired Value Value Found Deficit/Surplus	681 -1850	<b>EXTREMELY EXCESSIVE</b>							
SODIUM		896	<b>EXTREMELY EXCESSIVE</b>							
Lbs/Acre	Desired Value Value Found Deficit/Surplus	10585 +9689								
<b>TRACES</b>	Boron		1.77	<b>EXCELLENT</b>						
	Iron		93	<b>DEFICIENT</b>						
	Manganese		71	<b>FERR. SULFATE 20% (e)(g)</b>						
	Copper		0.56	<b>OK</b>						
	Zinc		23.17	<b>VERY DEFICIENT</b>						
	Salts		13.22	<b>CU SULFATE 23%</b>						
	Chlorides		9171	<b>HIGH</b>						
			<b>EXCESSIVE</b>							
			<b>EXTREMELY EXCESSIVE</b>							
<b>NOTES</b>	(a) Use of a soil conditioner such as LIQUID CHISEL at 1/2gallon/acre every 6 months should help open this soil up for release of the Sulfur and Sodium.									
	(b) Apply gypsum or lime at this rate only if no lime or gypsum has been added in the last three years, if previously limed we need to revise rates accordingly.									
	(c) Additional lime will need to be applied to get to a reasonable level of Calcium at 68% Base Saturation.									
	(d) Apply foliar potassium at maximum levels allowed according to label rates after tissue sample taken to verify need.									
	(e) Ferrous Sulfate - should only use the white or blue-green in color, black or rust colored is never recommended. CAUTION: Apply so as to avoid getting the dust from the material on the leaves of actively growing plants.									
	(f) Only apply at this rate if yellowing or stunting is evident now or in past crops, otherwise test subsoil for Iron levels or use on a small test plot to establish need..									
	(g) WARNING: Do Not apply recommended Ferrous Sulfate until particles from lime application can no longer be found on surface.									
	(h) Recalculate application rate if using Compost in substitution for Potassium Sulfate 0-0-50									
THIS SOIL IS EXTREMELY SATURATED WITH SODIUM. REPLACEMENT IS RECOMMENDED FOR THREE FOOT BOX TREATMENT OF TREES. ALSO DRAINAGE.										

A service of Bo Shropshire and Bryce Smith @ Helena Agri-Enterprises, LLC - Brawley Branch

**ALL RECOMMENDATIONS ARE TO BE SOIL-APPLIED AND BROADCAST UNLESS OTHERWISE SPECIFIED**



Send To : Helena Agri-Enterprises, LLC (Brawley) 101 West Carey Rd. Brawley CA 92227	Grower : City of Imperial  Farm:	Report No : 22-259-0791 Cust No : 06786 Date Printed : 09/20/2022 Date Received : 09/16/2022 Page : 1 of 1 Lab Number : 26847
---	---	--

Sample Id : Drain

Test	pH	BpH	Sat%	Organic Matter	Calculated Cation Exchange Capacity	Fizz Test	Salinity Classification
<b>Results</b>	7.7 s.u. Moderately Alkaline		47.2	3.7 %	29.6 meq/100g	<b>Low</b>	<b>Non-saline</b>

**SATURATION EXTRACT - PLANT SUITABILITY**

Test	Result	Effect on Plant Growth				
		Negligible	Sensitive Crops Restricted	Many Crops Restricted	Only Tolerant Crops Satisfactory	Few Crops Survive
Ca / (Mg + Na) Ratio	0.25					
Calcium - sat. ext.	1.4 meq/L					
Magnesium - sat. ext.	1.6 meq/L					
Sodium (Na)	4.3 meq/L					
Sodium Adsorption Ratio (SAR) *	3.48					
Chloride (Cl)	0.0 meq/L					
Carbonate (CO3)	0 meq/L					
Bicarbonate (HCO3)	2.02 meq/L					
Salinity (ECe)	0.6 dS/m					
Boron (B)	0.168 ppm					

\* Structure and water infiltration of mineral soils potentially adversely affected at SAR values higher than 6.

**EXTRACTABLE NUTRIENTS**

Test	Result	Calculated Cation Saturation	SOIL TEST RATINGS				
			Very Low	Low	Medium	Optimum	Very High
Nitrate - N	12 ppm						
Ammoniacal - N							
Phosphorus (P)	14 ppm						
Potassium (K)	272 ppm	%K 2.4					
Potassium - sat. ext.	0.4 meq/L						
Calcium (Ca)	2490 ppm	%Ca 42.1					
Magnesium (Mg)	1870 ppm	%Mg 52.6					
Sodium (Na)	190 ppm	%Na 2.8					
Base Saturation - %		99.9%					
Acidity Saturation - %H		0.0					
Sulfate - sat. ext.	1.6 meq/L						
Copper (Cu)	0.6 ppm						
Zinc (Zn)	2.3 ppm						
Manganese (Mn)	2.0 ppm						
Iron (Fe)	4 ppm						
Boron (B) - sat. ext.	0.168 ppm						

K, Ca, Mg, Na: Ammonium Acetate.

P - Olsen Bicarbonate.

Cu, Zn, Mn and Fe were analyzed by DTPA extract.

**PHYSICAL PROPERTIES**

Textural Classification	Weight % of Sample Passing 2mm Screen			Bulk Density g/cc	Particle Density g/cc	Total Porosity %
	Sand	Silt	Clay			



**REV 4**  
**08/21/2024**

**CITY OF IMPERIAL**

**PROPOSAL BID SHEET**

**Page 1 of 6**

FOR

**AHSC-ARPA/HWY 86 BEAUTIFICATION  
PHASE 1 PROJECT**

**BID NO. 2024-07**

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization/Demobilization	\$	\$
2	1	LS	Erosion Control	\$	\$
3	1	LS	Construction Staking	\$	\$
4	1	LS	Survey Monument Preservation	\$	\$
5	1	LS	Temporary Traffic Control	\$	\$
6	1	LS	Utility Coordination	\$	\$
7	1	LS	Geotechnical Testing and Quality Control	\$	\$
8	1	LS	Clearing and Grubbing	\$	\$
9	8,100	LF	Sawcut	\$	\$
10	5	EA	Remove and Dispose of Tree	\$	\$
11	35	LF	Remove and Dispose Fence	\$	\$
12	5	LF	Remove and Dispose Storm Drain Pipe	\$	\$
13	7,600	SF	Remove and Dispose Concrete and Base	\$	\$
14	1,180	LF	Remove and Dispose Curb and Gutter	\$	\$
15	29,500	SF	Remove and Dispose HMA and Base Course	\$	\$
16	1,030	LF	Remove and Dispose Asphalt Dike	\$	\$

**REV 4**  
**08/21/2024**

**PROPOSAL BID SHEET Page 2 of 6**  
**BID NO. 2024-07**

17	5	EA	Adjust Manhole to Grade	\$	\$
18	2	EA	Adjust Pullbox to Grade	\$	\$
19	5	EA	Adjust Water Valve to Grade	\$	\$
20	3	EA	Adjust Water Meter to Grade	\$	\$
21	1,130	LF	Construct PCC Curb and Gutter per City of Imperial Standard Detail 400	\$	\$
22	1,225	LF	Construct PCC Barrier Curb per City of Imperial Standard Detail No 401	\$	\$
23	55	LF	Construct Type A3-6 Pin on Curb per Caltrans Standard Plan A87A	\$	\$
24	580	LF	Construct HMA Dike Type A per Caltrans Standard Plan A87B	\$	\$
25	20,700	SF	Construct PCC Sidewalk per City of Imperial Standard Detail 407-A	\$	\$
26	1	EA	Construct Type A PCC ADA Passageway per Caltrans Standard Plan A88B	\$	\$
27	1	EA	Construct Type B PCC ADA Passageway per Caltrans Standard Plan A88B	\$	\$
28	17	EA	Construct PCC ADA Curb Ramp (All Types)	\$	\$
29	575	SF	Construct PCC Spandrel per City of Imperial Standard Detail 410	\$	\$
30	270	SF	Construct PCC Concrete Cross Gutter	\$	\$
31	1,550	SF	Construct PCC Median Infill	\$	\$
32	4,350	SF	Construct PCC Driveway (All Types)	\$	\$
33	2,790	TON	Construct Hot Mix Asphalt (Thickness Per Plan)	\$	\$
34	112,760	SF	Construct 1.5" Asphalt Rubber Hot Mix (ARHM) Pavement	\$	\$

**REV 4**  
**08/21/2024**

**PROPOSAL BID SHEET Page 3 of 6**  
**BID NO. 2024-07**

35	112,760	SF	Construct 3/8" Asphalt Rubber Aggregate Membrane (ARAM)	\$	\$
36	86,000	SF	Construct Leveling Course	\$	\$
37	5,950	CY	Construct Class 2 Aggregate Base (Under HMA and PCC)	\$	\$
38	86,000	SF	1.5" Cold Mill	\$	\$
39	2,700	SY	Furnish and Install Paving Fabric	\$	\$
40	16,621	CY	Unclassified Excavation	\$	\$
41	1	EA	Construct Sidewalk Underdrain with Rip Rap Pad	\$	\$
42	305	LF	Furnish and Install 18" RCP Storm Drain, 1350-D	\$	\$
43	9	EA	Construct 18" Concrete Pipe Collar	\$	\$
44	9	EA	Construct Straight Headwall per Caltrans Standard Plan D89B	\$	\$
45	1	EA	Construct Type G-2 Inlet With Grate per Caltrans Standard Plan D73-B and D77-A	\$	\$
46	1	LS	Furnish and Install New Water Service (Lateral and Meter)	\$	\$
47	1	LS	Furnish and Install Signing and Marking	\$	\$
48	1	LS	Furnish and Install Landscape and Irrigation, per Sheets 28-49 of the AHSC-ARPA/HWY 86 BEAUTIFICATION PHASE 1 plans	\$	\$
49	23,157	SY	Place Type II Slurry Seal	\$	\$
50	1	LS	Furnish and Install Solar Power Rectangular Flashing Beacon (RRFB) Assembly System (Barioni Boulevard @ H Street) Complete and In Place	\$	\$
51	1	EA	Furnish and Install Type 19-4-100 Pole & Foundation	\$	\$
52	1	EA	Furnish and Install Type 24-4-100 Pole & Foundation	\$	\$
53	2	EA	Furnish and Install Type 1A (10') Pole & Foundation	\$	\$
54	1	EA	Furnish and Install Type 15TS Pole & Foundation	\$	\$



**REV 4**  
**08/21/2024**

**PROPOSAL BID SHEET Page 4 of 6**  
**BID NO. 2024-07**

55	4	EA	Furnish and Install Type 15-FBS Pole & Foundation	\$	\$
56	1	EA	Furnish and Install Push Button Post (Type 2) & Foundation	\$	\$
57	3	EA	Furnish and Install (LED) Luminaire	\$	\$
58	8	EA	Furnish and Install Vehicle Head (1-Section, 12")	\$	\$
59	6	EA	Furnish and Install Vehicle Head (3-Section, 12")	\$	\$
60	4	EA	Furnish and Install MAS Mount	\$	\$
61	2	EA	Furnish and Install SP-1-T Mount	\$	\$
62	1	EA	Furnish and Install TV-1-T Mount	\$	\$
63	4	EA	Furnish and Install Pedestrian Signal Head	\$	\$
64	4	EA	Furnish and Install Pedestrian Push Button (APS)	\$	\$
65	2	EA	Furnish and Install Emergency Vehicle Preemption (EVP)	\$	\$
66	1	EA	Furnish and Install Type 332L Cabinet & Foundation	\$	\$
67	1	EA	Furnish and Install 2070LX Controller with Omni Software	\$	\$
68	1	EA	Furnish and Install Type III-CF Service Cabinet and Foundation	\$	\$
69	16	EA	Furnish and Install Traffic Sign on Signal Standard/Mast Arm	\$	\$
70	1	EA	Furnish and Install R3-1 Blank-Out Sign	\$	\$
71	4	EA	Furnish and Install Wireless Beacon Control Assembly	\$	\$
72	1	LS	Furnish and Install Wireless Radio System (Signal Interconnect)	\$	\$
73	EA	1	Furnish and Install Ethernet Switch	\$	\$
74	LS	1	Furnish and Install Conductor Wire (All Wires)	\$	\$

**REV 4**  
**08/21/2024**

**PROPOSAL BID SHEET Page 5 of 6**  
**BID NO. 2024-07**

75	EA	6	Furnish and Install (No. 5) Pull Box	\$	\$
76	EA	1	Furnish and Install (No. 6) Pull Box	\$	\$
77	LF	470	Furnish and Install 3" PVC Conduit (Trench In Pavement)	\$	\$
78	EA	1	Furnish and Install Battery Backup System (Complete)	\$	\$
79	LS	1	Establish Electrical Connection	\$	\$
80	LS	1	Furnish and Install Booster Pump Assembly	\$	\$
				<b>Total Bid Proposal:</b>	<b>\$</b>

**REV 4**  
**08/21/2024**

**CITY OF IMPERIAL**  
**PROPOSAL BID SHEET Page 6 of 6**  
FOR  
**AHSC-ARPA/HWY 86 BEAUTIFICATION**  
**PHASE 1 PROJECT**

BID NO. 2024-07

***NOTE 1: THE ESTIMATED QUANTITIES INDICATED ABOVE ARE APPROXIMATE. THE ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE QUANTITIES ILLUSTRATED IN THE PROJECT PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE QUANTITIES.***

***NOTE 2: THE LOWEST RESPONSIVE BID WILL BE BASED ON THE LOWEST TOTAL BID PROPOSAL.***

TOTAL AMOUNT OF BID PROPOSAL (NUMBERS) \_\_\_\_\_

TOTAL AMOUNT OF BID PROPOSAL (WORDS) \_\_\_\_\_

\_\_\_\_\_

Note: The estimated quantities listed in the Proposal Bid Sheet(s) are supplied to give an indication of the general scope of the work, but the accuracy of these figures is not guaranteed, and the bidder shall make his own estimates from the drawings. In case of a variation between the unit price and the totals shown by the bidder, the unit price will be considered to be the bid.

\_\_\_\_\_  
Bidder's Name and Telephone Number