City of Lathrop

Public Works Department

390 Towne Centre Dr. – Lathrop, CA 95330
Phone (209) 941-7430
www.ci.lathrop.ca.us

ADDENDUM NO. 4 – April 14, 2025

Lathrop Animal Center – Stanford Crossing Extension
CIP GG 23-11

This addendum amends the Contract Drawings and Specifications for this project as follows:

1. See Attachment "A", *Revised Bid Schedule* for the revised quantities for bid items # 4, 6, 32, 41, 49, 50, 52 and the inclusion of bid items # 58, 59, 60, 61, and 64.
2. See Attachment "B", *Pavement Subgrade Chemical Treatment Recommendations* for supplemental recommendations concerning Quicklime Plus

The following Request for Information (RFI) have been received by the City, and are followed by the City's answer (A):

RFI 1: Can the water generated from the dewatering wells required for the underground installation be put into either the sewer system or the storm drain? If neither option is acceptable then please provide an alternative discharge point for this water.
A1: Per *Earthwork Section 31 20 00*, reroute surface water runoff away from excavated areas. Can go through the City's storm drain system after pre treatment.

RFI 2: This project has 90 WD, the underground work alone is going to take nearly all these days. Please consider adding an additional 60 WD to provide sufficient time to complete all the top side improvements.
A2: The City has extended the project by 30 WD for a total of 120 WD.

RFI 3: The project special provisions requires the 10" Lime Treated Base section to be placed in two 5" lifts. This is not standard practice and is not consistent with the Caltrans specification for this work. Standard practice is to mix the full 10" section and compact it in place in one operation. This process can actually be done very successfully up to 18" in depth before the need to split the operation up into multiple lifts. Please consider modifying the Project Special Provisions to permit the Lime Treated Subgrade to be mixed in place in one 10" section
A3: Please see the Attachment B. The supplemental letter from ENGEO supersedes the Technical Specification Section 32 05 12.

RFI 4: There is no item for clearing & grubbing. Will this be covered in another bid item? If so, please specify which item.
A4: Include in Bid Item *Rough Grading*

RFI 5: Will the City allow a full closure of Does Reis Road during roadway improvements? If not, can the city provide parameters for traffic control.
A5: Full closure of Dos Reis Road is not allowed. Access must be maintained to RV park.

RFI 6: For trench bedding & shading, will the city allow native material to be used for all underground wet utility backfill?
A6: Yes, if it is satisfactory per *Trenching Section 31 20 05.*

RFI 7: Storm Drain Note B on Sheet C2 states all MH and curb inlets are to be Type 1 and conflicts with the information provided on the storm drain structure schedule on Sheet C3. Please clarify which information is correct.
A7: Note B on Sheet C2 states *unless noted otherwise*, to follow the standard provided. The Storm Drain schedule on Sheet C3 supersedes that comment. Please use the Storm Drain schedule on Sheet C3

RFI 8: Will the City allow cast-in-place bases for Type 1 Manholes?
A8: No

RFI 9: Plans indicate 22 each lights and the bid document only asks for 21 each. Please clarify.
A9: Per the Civil Sheets, there are 21 lights.

RFI 10: Plans indicate 23 each splice boxes and bid document asks for 25 each. Please clarify.
A10: 23

RFI 11: Plans indicate service point as future and do not include an actual PG&E design to show where the service point would terminate. Please advise.
A11: Service Point will end on Dos Reis Road.

RFI 12: Plans indicate 4,155 LF of conduit and wire with approximately 3500 LF of trench. Bid document does not break these apart and asks for 3,950 LF. Please advise.
A12: Do not include the repeated section from Stations 48+68 to 53+09 in your calculation. Include joint trenching costs within the conduit installation bid item .

RFI 13: Please clarify the valve types.
A 13: Per City Standards, valves shall be resilient wedge gate valves for main sizes up to 10 inches and butterfly valves for main sizes equal to or larger than 12 inches. The bid schedule has been updated for clarification, see attachment A.

RFI 14: Is shoring allowed for trenchwork?
A 14: No shoring will be allowed. City requires V-Ditch

When submitting the bid for the project, the Contractor must acknowledge receipt of the addendum.

Recommended by: Veronica Albarran — Junior Engineer — 04/14/2025 — Date

Approved by: Brad Taylor — City Engineer — 4/14/2025 — Date

LATHROP ANIMAL CENTER – STANFORD CROSSING EXTENSION, CIP GG 23-11

BID SCHEDULE

BID ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	EXTENDED TOTAL
1	Mobilization / Bonds / Insurance	1	LS		
2	Traffic Control	1	LS		
3	Erosion and Sediment Control Plan (ESCP)	1	LS		
4	Rough Grading	3,700	CY		
5	Finish Grade Street	105,700	SF		
6	Construct Street Structural Section (3.5” AC, 4” AB, 10” LTB)	65,146	SF		
7	Remove Existing Thermoplastic Striping	1	LS		
8	Furnish and Install Signage and Poles as Shown on Plan	1	LS		
9	Install Thermoplastic Striping - Caltrans Std. Pln. A20, Detail 22	2180	LF		
10	Install Thermoplastic Striping - Caltrans Std. Pln. A20, Detail 27B	95	LF		
11	Install Thermoplastic Striping - Caltrans Std. Pln. A20, Detail 39	3775	LF		
12	Install Thermoplastic Striping - Caltrans Std. Pln. A20, Detail 39A	200	LF		
13	Install 12’ White at 10’ O.C.	110	LF		
14	Install Thermoplastic Marking - Methyl Methacrylate (MMA) Green Pavement Enhancement	300	LF		
15	Install Thermoplastic Marking - Caltrans Std. Pln. A24C – Shared Roadway Bicycle	1	EA		
16	Install Thermoplastic Marking - Caltrans Std. Pln. A24A, Detail A24C – Bike Lane with Person plus Arrow	4	EA		
17	Install Thermoplastic Marking - Caltrans Std. Pln. A24D - STOP	1	EA		
18	Furnish and Install Survey Monuments	2	EA		
19	Construct 6” Standard Curb & Gutter	3,430	LF		
20	Construct 6” Sidewalk	15,591	SF		
21	Construct Curb Return & ADA Ramp	1	EA		

22	Furnish and Install Sanitary Sewer Manholes Including Reset to Finish Grade and Vacuum Test	4	EA		
23	Furnish and Install 10” Sanitary Sewer Pipe Including Backfill	15	LF		
24	Furnish and Install 18” Sanitary Sewer Pipe Including Backfill	10	LF		
25	Furnish and Install 20” Sanitary Sewer Pipe Including Backfill	1,474	LF		
26	Furnish and Install 6” Sanitary Sewer Laterals with Cap End	2	EA		
27	Connect to Existing Sanitary Sewer Main	1	EA		
28	Furnish and Install Type II Storm Drain Manhole Including Reset to Finish Grade	2	EA		
29	Furnish and Install Type III Storm Drain Manhole Including Reset to Finish Grade (With Saddle Type Base)	7	EA		
30	Furnish and Install 15” RCP Storm Drain Pipe	390	LF		
31	Furnish and Install 18” RCP Storm Drain Pipe	169	LF		
32	Furnish and Install 24” RCP Storm Drain Pipe	186	LF		
33	Furnish and Install 54” RCP Storm Drain Pipe	1,004	LF		
34	Furnish and Install 60” RCP Storm Drain Pipe	276	LF		
35	Furnish and Install 72” RCP Storm Drain Pipe	202	LF		
36	Furnish and Install Storm Drain Curb Inlet Type II	8	EA		
37	Furnish and Install 24”x24” Storm Drain Catch Basin	3	EA		
38	Connect to Existing Storm Drain Main	1	EA		
39	Furnish and Install 4” Potable Water Main Including Fittings	44	LF		
40	Furnish and Install 8” Potable Water Main Including Fittings	196	LF		
41	Furnish and Install 12” Potable Water Main Including Fittings	1,476	LF		
42	Furnish and Install 8” Recycled Water Main Including Fittings	25	LF		
43	Furnish and Install 20” Recycled Water Main Including Fittings	1,476	LF		
44	Furnish and Install 4” Recycled Water Main Including Fittings	176	LF		
45	Furnish and Install Fire Hydrant Assembly	5	EA		

46	Furnish and Install 1" Irrigation Lateral Including Meter Box	1	EA		
47	Connect to Existing Potable Water Main	1	EA		
48	Connect to Existing Recycled Water Main	1	EA		
49	Furnish and Install 8" Gate Valves	6	EA		
50	Furnish and Install 12" Butterfly Valves	4	EA		
51	Furnish and Install 20" Gate Valves	6	EA		
52	Furnish and Install 4" Water System Blow Off Valves	4	EA		
53	Furnish and Install 2" Schedule 40 PVC Conduit	3,950	LF		
54	Furnish and Install Street Light Splice Box	23	EA		
55	Furnish and Install Service Point	1	EA		
56	Furnish and Install Post Top Street Light	21	EA		
57	Furnish and Install Landscaping as Shown on Project Plans	1	LS		
58	Furnish and Install 4" Gate Valves	4	EA		
59	Furnish and Install 8" Water System Blow Off Valves	4	EA		
60	Furnish and Install 12" Water System Blow Off Valves	1	EA		
61	Furnish and Install 20" Water System Blow Off Valves	1	EA		
62	Grind / Off-Haul / Remove Existing Asphalt Concrete per Demo Plan	1	LS		
63	Remove Existing Storm Drain & Drainage Inlet per Demo Plan	1	LS		
64	Dewatering	1	LS		

TOTAL BID : _____

TOTAL BID IN WORDS : _____

Attachment B

ENGEO
Expect Excellence

GEOTECHNICAL
ENVIRONMENTAL
WATER RESOURCES
CONSTRUCTION SERVICES
COASTAL/MARINE GEOTECHNICS

Project No.
5747.018.001

April 7, 2025

Mr. Chris Ragan
MacKay & Somps Civil Engineers, Inc.
1025 Creekside Ridge Drive, Suite 150
Roseville, CA 95678

Subject: Stanford Crossing Extension
Lathrop, California

PAVEMENT SUBGRADE CHEMICAL TREATMENT RECOMMENDATIONS

References:
1. ENGEO. 2017. Geotechnical Exploration, Stanford Crossing, Tract 3789, Lathrop, California. October 27, 2017. Project No, 5747.003.003.
2. ENGEO. 2025. Geotechnical Recommendations, Stanford Crossing Extension, Lathrop, California. March 20, 2025. Project No. 5747.018.001.

Dear Mr. Ragan:

As requested, we are providing supplemental recommendations for chemical treatment of the pavement subgrade at the subject site in Lathrop, California. The project improvement plans by Mackay & Somps dated March 25, 2025, call out Lime Flyash (LFA) treated subgrade in order to reduce the proposed pavement sections. As an alternative to LFA, the pavement subgrade can be uniformly mixed with a 50/50 blend of lime and cement such as “Quicklime Plus,” or equal. The soil should be moisture conditioned to at least 3 percentage points above the optimum moisture content before mixing. The mixing should be performed in accordance with the current version of Caltrans Standard Specifications with the following exceptions.

- Following mixing, the treated soil should be allowed to fully hydrate prior to compaction.
- Following hydration, the treated soil should be compacted to not less than 95 percent relative compaction at a moisture content at least 2 percentage points over the optimum moisture content to a non-yielding surface.

The percentage of chemical additive should be determined in the field. Based on our experience, on a preliminary basis, we estimate that chemical treatment with approximately 4 percent Quicklime Plus (or equivalent) by dry unit weight may be appropriate. Chemical treatment should be performed by a specialty contractor experienced in this type of work. In addition, excavations performed in chemically treated soil, such as for utility trenches, should be stockpiled and protected for reuse in the upper backfill area to match the treated section.

The pavement sections as shown in the project improvement plans should remain the same with the use of Quicklime Plus (10-inch Quicklime Plus section). All other recommendations contained in the referenced reports remain valid with the addition of these supplemental recommendations.

If you have any questions or comments regarding this letter, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated

Connor Dunn

Steve Harris, GE

cd/sdh/cb