THE RESURFACING AND SAFETY IMPROVEMENTS ON CROW CANYON ROAD AT VARIOUS LOCATIONS EDEN TOWNSHIP, ALAMEDA COUNTY, CALIFORNIA SPECIFICATION NO. 2410

This addendum is issued by the County of Alameda, Public Works Agency, Construction and Development Services Department, 399 Elmhurst Street, Hayward, CA 94544.

TO ALL PROSPECTIVE BIDDERS for the above project, notice is hereby given that the following changes, modifications, corrections, clarifications, and additions as hereinafter set forth shall apply to the plans and specifications described herein and shall be made part thereof and subject to all requirements as if originally specified or drawn.

Receipt of this Addendum No. 1 must be acknowledged on the form in the bid proposal in writing.

GENERAL

A. Responses to Bidders' inquiries can be viewed at the following Public Works' website:

https://www.acpwa.org/business/add-bidder-info.page

This document will be continuously updated. It is the contractor's responsibility to check for updates.

CHANGES TO THE SPECIAL PROVISIONS

1. Replace pages BB-5 thru BB-10 with the attached pages BB- 5 thru BB-10 (Addendum 1).
2. Replace page 50 with the attached page 50 (Addendum 1).
3. Replace pages 511 and 512 with the attached pages 511 and 512 (Addendum 1).

CHANGES TO THE PLANS

1. Replace Plan Sheet 5 with the attached Plan Sheet 5 (Addendum 1).
2. Replace Plan Sheets 18 thru 20 with the attached Plan Sheets 18 thru 20 (Addendum 1).

END OF ADDENDUM NO. 1
OFFICE OF THE COUNTY ENGINEER

BID ITEM LIST

No.	Sec/Code	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
PREPATORY WORK						
1	§5-1.23C 027663	Video/Photo Survey of Existing Facilities	1	LS	$	$
2*	§5-1.24 733000-A	Construction Surveys	1	LS	$	$
3	§5-1.36C 032049	Pothole Underground Facilities	1	LS	$	$
4*	§5-1.36D 050000-A	Monument Preservation (Pre-Construction)	12	EA	$	$
5*	§7-1.02K 074018	Excavation Safety Plan (Labor Code §6707)	1	LS	$	$
6	§9-1.16D 999990	Mobilization	1	LS	$	$
7*	§80 800100	(Temporary) Wildlife Exclusion Fence	875	LF	$	$
TEMPORARY TRAFFIC CONTROL						
8	§12 120100	Traffic Control System	1	LS	$	$
9	§12-3.11 120090	Construction Area Signs	1	LS	$	$
10*	§12-3.11 120090-B	Construction Area Signs (Business Access)	8	EA	$	$
11	§12-3.32 128651	Portable Changeable Message Sign (EA)	4	EA	$	$
12*	§12-3.32 128651	Flashing Arrow Sign (EA)	4	EA	$	$
WATER POLLUTION CONTROL WORK						
13	§13-3 130300-2	Prepare Storm Water Pollution Prevention Plan – Risk Level 2	1	LS	$	$
14	§13-4 130100	Job Site Management	1	LS	$	$
15*	§13-5 130570	Temporary Cover	1	LS	$	$
16	§13-6.03C 130620	Temporary Drainage Inlet Protection	45	EA	$	$
17	§13-7.02 130730	Street Sweeping	1	LS	$	$
18	§13-9 130900	Temporary Concrete Washout	1	LS	$	$
19*	§13-10 130640	Temporary Fiber Roll	1,000	LF	$	$

No.	Sec/Code	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
CLEARING / RELOCATING IMPEDIMENTS						
20	§15-1.03B 153122	Remove Concrete	1	LS	$	$
21	§17-2 170103	Clearing and Grubbing (LS)	1	LS	$	$
22*	§17-2 170103-T	Remove Tree	18	EA	$	$
EARTHWORK						
23*	§19-1.03B 190139	Roadway Excavation (Unsuitable Material)	1,300	CY	$	$
24	§19-2 190101	Roadway Excavation	1	LS	$	$
LANDSCAPE						
25*	§20-10 202028-A	Adjust/Modify/Reset/Relocate Irrigation System Components	90	LF	$	$
26*	§21-2.03D 202028-A	Hydroseed	1,100	SF	$	$
SUBBASES / BASES						
27*	§26-1.02B 260203	Class 2 Aggregate Base (CY)	100	CY	$	$
28*	§19.9	Shoulder Backing	50	TON	$	$
SURFACINGS AND PAVEMENTS						
29*	§37-2.05 370000-A	Stress Absorbing Membrane Interlayer (SAMI)	66,770	SY	$	$
30*	§39-2.01 394073	Place Hot Mix Asphalt Dike (Type A)	3,000	LF	$	$
31*	§39-2.01 394073	Place Hot Mix Asphalt Dike (Type C)	190	LF	$	$
32*	§39-2.01 394073	Place Hot Mix Asphalt Dike (Type F)	1,780	LF	$	$
33*	§39-3.03 398100	Remove Asphalt Concrete Dike	4,700	LF	$	$
34*	§39-2.09 390132-LV	Hot Mix Asphalt, Type A – Low Volume (HMA-LV)	9,000	TON	$	$
35*	§39-2.09 390132-LV	Hot Mix Asphalt (Levelling), Type A – Low Volume (HMA-LV)	4,400	TON	$	$
36*	§39-3.02 390095-A	Replace Failed Sections of AC Surfacing & Base w/ 6” Depth HMA	60,000	SF	$	$
37*	§39-3.04 398200	Cold Plane Asphalt Concrete Pavement	66,770	SY	$	$
STRUCTURES						
38*	§51 510094-A	Structural Concrete, Drainage Inlet (Type G1)	1	EA	$	$

No.	Sec/Code	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
39*	§51 510094-A	Structural Concrete, Drainage Inlet (Type GT4)	2	EA	$	$
40*	§51 510094-A	Structural Concrete, Headwall (Straight)	1	EA	$	$
PIPE / DRAINS						
41*	§66 650010	12” Corrugated Metal Pipe (0.079” Thick)	5	LF	$	$
42*	§66 650010	24” Corrugated Metal Pipe (0.079” Thick)	25	LF	$	$
43*	§65	Remove Storm Drain Pipe (All Sizes)	40	LF	$	$
44*	§15-1.03B 153122	Remove Headwall	3	EA	$	$
45*	§19-3.02E	Abandon Pipe (Slurry Cement Fill)	45	CY	$	$
46*	§26-1.02B 260203	Remove Inlet	1	LS	$	$
47*	§61-3	18” Dual Wall Type S HDPE Pipe	135	LF	$	$
48*	§61-3	24” Dual Wall Type S HDPE Pipe	80	LF	$	$
49*	§61-3	36” Dual Wall Type S HDPE Pipe	70	LF	$	$
50*	§69	18” Pipe Anchor Assembly	1	EA	$	$
51*	§69	24” Pipe Anchor Assembly	1	EA	$	$
52*	§19-3.02E	Pipe Structure Backfill (Slurry Cement Fill)	320	CY	$	$
53*	§64-2.02B	Structure Backfill	60	CY	$	$
54*	§64-2.02B	Rock Ballast	40	CY	$	$
55*	§19-3.02J	Filter Fabric	300	SY	$	$
DRAINAGE FACILITIES						
56*	§72-2	Rock Slope Protection (Backing 1, Method B)	150	CY	$	$
57*	§96-1.02I	Rock Slope Protection Fabric (Class 8)	300	SY	$	$
58*	§72-16 722020	Gabion	100	CY	$	$
59*	§46-3.02	Sprial Nail System (L = 14’)	30	EA	$	$

No.	Sec/Code	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
60*	§46-3.02	Sprial Nail System (L = 17')	9	EA	$	$
61*	§71-5 710200	Adjust Manhole to Grade	10	EA	$	$
CONCRETE CURBS & SIDEWALKS						
62	§73 730070-A	Detectable Warning Surface (Yellow)	40	EA	$	$
63*	§73 731504-A	Minor Concrete (Curb and Gutter – Standard or Rolled Curb)	1,200	LF	$	$
64*	§73 731521-A	Minor Concrete (Sidewalk, Curb Ramp, Median Island Passageway, Valley Gutter)	5,600	SF	$	$
65*	§73 731840	Remove Concrete (Curb and Gutter)	280	LF	$	$
66*	§73 731760-A	Remove Concrete Curb Ramp, Sidewalk, and Median Island	5,500	SF	$	$
LOCAL INFRASTRUCTURE						
67*	§77 710214-P	Adjust Valve Box –PG&E	12	EA	$	$
68*	§77 710214-E	Adjust Valve Box – EBMUD	65	EA	$	$
69*	§77 710214-P	Adjust Electric Well Box – PG&E	1	EA	$	$
70*	§77 710220-E	Adjust Utility Cover – EBMUD	13	EA	$	$
71*	§77 710214-P	Adjust Conductor Box – PG&E	2	EA	$	$
72*	§77 710220-P	Adjust Manhole Frame and Cover – AT&T	7	EA	$	$
73*	§77 710220-P	Adjust Manhole Frame and Cover – CVSD	23	EA	$	$
74*	§77 710220-P	Adjust Manhole Frame and Cover – PG&E	1	EA	$	$
75*	§77 710192	Adjust Sewer Cleanout to Grade (CVSD)	6	EA	$	$
76*	§78-2 -	Survey Monument (Type A)	5	EA	$	$
77*	§78-4.03 780433-LF	Paint Red Curb (2 Coat)	80	LF	$	$
78*	§80 800100	Barbed Wire Fence and Posts	90	LF	$	$
79*	§80 800100	Chain Link Fence (6'), Gate, Post, and Foundations	45	LF	$	$

No.	Sec/Code	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
80*	§80 803100-A	Remove, Salvage, and Re-install Chain Link Fence, Gate, and Post	1	LS	$	$
MISCELLANEOUS TRAFFIC CONTROL DEVICES						
81	§81-3.02C 810230	Blue Hydrant Pavement Marker	8	EA	$	$
82*	§81-3.02C 810230	Pavement Marker (Non-Retroreflective)	1,200	EA	$	$
83*	§81-3.02C 810230	Pavement Marker (Retroreflective)	800	EA	$	$
ROADSIDE SIGNS						
84*	§82-3 820250	Remove Roadside Sign	8	EA	$	$
85	§82-3 820840	Roadside Sign – (One Sign, OnePost)	14	EA	$	$
86	§82-3 820850	Roadside Sign – (Two Signs, One Post)	7	EA	$	$
87	§82-5 820110	Reset Milepost Marker (Sign and Post)	1	LS	$	$
88	§82-5 820110	Milepost Marker (Sign and Post)	10	EA	$	$
GUARDRAIL SYSTEM						
89*	§83-2.02 832015	Remove Guardrail System	440	LF	$	$
90*	§83-2.02 832015	Midwest Guardrail System (MGS)	2,130	LF	$	$
91*	§83-2.02 832015	Midwest Guardrail System (Narrow Roadway Installation)	500	LF	$	$
92*	§83-2.02 032675	Long Span Nested Midwest Guardrail System	9	EA	$	$
93	§83-2.02 839581	End Anchor Assembly (Type SFT)	4	EA	$	$
94*	§83-2.02 839581	End Cap Assembly (3/4 Wrap)	4	EA	$	$
95	§83-2.04 839539	Alternative In-Line Terminal System	8	EA	$	$
96*	§83 839539	Guardrail Delineator (SD-808)	190	EA	$	$
TRAFFIC STRIPES AND PAVEMENT MARKINGS						
97*	§84-2 840502	Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	52,250	LF	$	$
98*	§84-2 840516	Thermoplastic Crosswalk and Pavement Marking (Enhanced Wet Night Visibility)	10,250	SF	$	$

No.	Sec/Code	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
99*	§84-2 840515-B	Thermoplastic Pavement Marking (Preformed Bike Lane Symbol, Arrow, and Preformed Green Marking)	30	EA	$	$
100*	§84-2 840515-B	Thermoplastic Pavement Marking (Preformed Green Marking)	5,000	SF	$	$
101*	§84-8 846051	Centerline Rumble Strip (A40D)	3,790	LF	$	$
ELECTRICAL SYSTEMS						
102	§87	Relocate Pedestrian Push Button	2	EA	$	$
103	§87	Pedestrian Push Button	4	EA	$	$
104	§87	Adjust Traffic Signal Box	1	EA	$	$
105	§87	Solar Powered Speed Display Sign and Post (Per Detail)	6	EA	$	$
106	§87	Street Light Box (#5)	11	EA	$	$
107	§87	Street Light Box (#6)	8	EA	$	$
108*	§87	3” Schedule 80 Conduit Pipe	2,300	LF	$	$
109*	§19-3.02E	Slurry Cement Backfill (3” Conduit Pipe Trench)	100	CY	$	$
PROJECT WRAP-UP						
110	§5-1.23B(3)	Record Drawings	1	LS	$	$
111*	§5-1.36D 050000-B	Survey Monument Preservation (Post-Construction)	12	EA	$	$
112	§22 220101	Finishing Roadway	1	LS	$	$

*Contingent item under section 2-1.09B

Total Bid: _____ **Dollars $**_____
(in words)

The prices bid include all State, Federal, and other taxes applicable to the project.

The prices bid include furnishing the resources and activities required to complete the work. Payment is full compensation for furnishing the resources and activities as described under section 9-1.03.

Links to section numbers are provided for convenience only. Specifications found under the referenced sections are not the only specification that apply to the Bid Item as described under section 1-1.01.

Most bid Item codes (without the hyphenated suffix) and descriptions are similar to, but not necessarily the same as, Caltrans Standard Bid Item codes and descriptions. This information when queried at the following webpage may be useful for estimating costs: http://sv08data.dot.ca.gov/contractcost

Thirty days prior to the expiration of any PLAC required for Contract work, evaluate the work remaining and provide notice if it will be necessary to extend a PLAC time period.

5-1.20B(4) Contractor–Property Owner Agreement

Before **utilizing non-County/District property or** procuring material from or disposing of material on **non-County/District** ~~**nonhighway**~~ property:

1. Submit a written agreement from the property owner:
   1.1. For the use of the property
   1.2. Absolving the Agency from responsibility in connection with the property
2. Obtain authorization to start

Before Contract acceptance, submit a document signed by the owner of the material source or disposal site stating that the Contractor has complied with the Contractor-owner agreement.

5-1.20B(5) Agency—Property Owner Agreement (Permit to Enter and Do Work)

When necessary, the Agency acquires permission to enter (Rights of Entry) and do work from various property owners (via Permit to Enter (PTE) and/or Temporary Construction Easement (TCE) documents) along the job site on private property to complete the construction of various improvements, including private property conforms (e.g. driveway, walkway, landscaping,…etc.), and drainage improvements.

Comply with all the Permit to Enter and Temporary Construction Easement conditions and work area boundaries. Do not perform any work outside the permit and easement limits unless the property owner and the Engineer give written approval.

All disturbed areas must be restored to its original condition or better at the end of construction.

The Engineer will provide copies of permits (PTEs and TCEs) before the start of construction.

POSTPONING OR ELIMINATING PRIVATE PROPERTY WORK

At the time of Contract award, the Rights of Entry for the culvert replacement work at the following properties may still be pending:

- **10970 Crow Canyon Road**
- **10730 Crow Canyon Road**

If the Rights of Entry and the CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE'S STREAMBED ALTERATION AGREEMENT have not been (both) obtained at the time the Notice to Proceed is issued, defer the construction at Mile Markers 5.83, 5.91, and 6.10 until both are obtained. If the County has not obtained the Rights of Entry and the Agreement by the time you completed all other contracted work, the County may remove the culvert replacements and associated bid items from the project contract.

The postponement or elimination of the culvert replacements at Mile Markers 5.83, 5.91, and 6.10 shall not constitute a basis for claim, for extra payment or damage. This is a contingent item of work.

Construction Methods:

1. **Shoulder Preparation: Prior to placing asphalt or concrete pavement, prepare the shoulder material where the Safety Edge will be placed to provide a foundation that will support the placement of the Safety Edge in accordance with the County's standard practice.**
2. **Shoulder Backing Material: Aggregate Base, Class 2. Furnish, place and compact shoulder backing material to the top of the Safety Edge as shown on the plans and in accordance with these special provisions.**
3. **Handwork: Obtain approval in advance from the Engineer for short sections of handwork such as transitions at driveways, intersections, interchanges, and bridges.**

Safety Edge will not be measured for payment or paid for

39-2.09D Payment

Not Used

39-2.10 RESERVED

39-3 EXISTING ASPHALT CONCRETE

39-3.01 GENERAL

39-3.01A General

Section 39-3.01 includes general specifications for performing work on existing asphalt concrete facilities.

Work performed on existing asphalt concrete facilities must comply with section 15.

39-3.01B Materials

Not Used

39-3.01C Construction

Before removing a portion of an asphalt concrete facility, make a 2-inch deep saw cut to a true line along the limits of the removal area.

39-3.01D Payment

Payment for removal of pavement fabric is included as part of the bid items involved.

39-3.02 REPLACE ASPHALT CONCRETE SURFACING

39-3.02A General

Section 39-3.02 includes specifications for replacing asphalt concrete surfacing.

39-3.02B Materials

HMA to be used for replacing asphalt concrete surfacing must comply with ~~Type A~~ HMA**-LV** as specified in section ~~39-2.02~~ **39-2.09**.

The grade of asphalt binder must be PG 64-10 ~~or PG 64-16~~.

Tack coat must comply with section 39-2.01B(10).

39-3.02C Construction

Where replace asphalt concrete surfacing is shown, remove the full depth of the existing asphalt concrete surfacing and replace with HMA. The Engineer determines the exact limits of asphalt concrete surfacing to be replaced.

The Engineer demarcates the corners of rectangular areas of asphalt concrete surfacing to be replaced after the Contractor completes the milling of the roadway. Contractor shall provide traffic control for the Engineer to demarcate the areas of asphalt concrete surfacing to be replaced. The Contractor shall provide at least 3 working days advance notice and allow the Engineer ~~5~~ 2 working days to perform this demarcation. Offset rectangles may overlap, but the

minimum size of rectangles will be 4 x 4 ft. For convenience, you may replace pavement beyond the identified limits at your expense. Surfacing to be replaced at locations of base failure must be replaced during the same day as surfacing removal.

Replace asphalt concrete in a lane before the lane is specified to be opened to traffic.

Exercise extreme caution in the vicinity of traffic detectors and conduits. Any detector you damage must be replaced within 72 hours by an approved electrical contractor at your expense. The location of traffic detectors will be marked on the pavement if you submit a request at least 3 days in advance.

Before removing asphalt concrete, outline the replacement area and cut neat lines with a saw or grind to full depth of the existing asphalt concrete. Do not damage asphalt concrete and base remaining in place.

If you excavate the base beyond the specified plane, replace it with HMA.

Do not use a material transfer vehicle for replacing asphalt concrete surfacing.

Before placing HMA, apply a tack coat as specified in section 39-2.01C(3)(f).

Place HMA using method compaction as specified in section 39-2.01C(2)(c).

39-3.02D Payment

The payment quantity for replace asphalt concrete surfacing is the volume determined from the dimensions shown. **If not shown, the payment quantity depends on the bid item quantity and is:**

1. **The volume determined from the measured depth of surfacing and base replaced with HMA within the Engineer's demarcated limits**
2. **The area of the demarcated limits**
3. **The weight of HMA placed within the demarcated limits**

If the Bid Item List includes roadway excavation (unsuitable material), it does not apply where base material is replaced with HMA.

39-3.03 REMOVE ASPHALT CONCRETE DIKES

39-3.03A General

Section 39-3.03 applies to removing asphalt concrete dikes outside the limits of excavation.

39-3.03B Materials

Not Used

39-3.03C Construction

Reserved

39-3.03D Payment

Not Used

39-3.04 COLD PLANING ASPHALT CONCRETE PAVEMENT

39-3.04A General

Section 39-3.04 includes specifications for cold planning asphalt concrete pavement.

Cold planning asphalt concrete pavement includes the removal of pavement markers, traffic stripes, and pavement markings within the area of cold planning.

Before commencing with cold planning, locate buried structures by sweeping the entire area to be cut with a metal detector. The existing asphalt concrete pavement may have pavement reinforcing fabric.

~~**Schedule cold planing activities such that the pavement is cold planed, the HMA is placed, and the area is opened to traffic during the same work shift.**~~