CITY OF EAST PALO ALTO, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS – ENGINEERING DIVISION

ADDENDUM No. 4

US 101 / UNIVERSITY AVENUE INTERCHANGE IMPROVEMENTS
CIP-ST-14

Date: 03/07/2023

General Information

1. Replace all references to the Bid Opening date and time with the following: "Sealed bids will be received at the City of East Palo Alto City Hall, 2415 University Avenue, East Palo Alto, California 94303, not later than 2:00 p.m. on March 9, 2023."

2. Bids will be opened and read aloud at the City of East Palo Alto Council Chambers, 2415 University Avenue, East Palo Alto 94303 at 2:00 p.m. on March 9, 2023.

3. The virtual bid opening can be accessed on March 9, 2023 at 2:00 p.m. using the following zoom link:
   https://us06web.zoom.us/j/89820433974?pwd=VVI3RHUwblNuK3l1b25uN0tuendKdz09
   Meeting ID: 898 2043 3974
   Passcode: 747510

Plans

1. After plan sheet 43 of 136, "Motorist Information Plan M-2," replace plan sheet 44 of 136, "Motorist information Plan MI –" and plan sheet 45 of 136, "Motorist Information Plan MI - " with attached plan sheet "Motorist Information Plan MI-3" and plan sheet "Motorist Information Plan MI-4," respectively.

2. Replace plan sheet 75 of 136, "Irrigation Sprinkler Schedule ISS-1" with the attached plan sheet having the same name.

3. Replace plan sheet 79 of 136, "Plan Legend PL-1" with the attached plan sheet having the same name.

Specifications

1. in "Section 4. Beginning of Work, …", replace the first sentence of the second paragraph following: "It is anticipated that the contract will be awarded by March 20, 2022.

2. Replace the

"Add between the 4th and 5th paragraphs of section 12-4.02C(1):

Keep the full width of the traveled way open to traffic when no active construction activities are occurring in the traveled way or within 6 feet of the traveled way.

Keep the full width of the ramp traveled way open for use by traffic on designated holidays.

For each 10-minute interval or fraction thereof past the time specified to open the closure, the amount for liquidated damages per interval shown in the table below is deducted. Liquidated damages are limited to 5 percent of the total bid per occurrence. Liquidated damages are not assessed if the Engineer orders the closure to remain in place beyond the scheduled pickup time.

Type of facility	Route	Direction or segment	Period	Liquidated damages/interval
Mainline	US 101	Northbound	1st half hour 2nd half hour 2nd hour and beyond	$3,000/10 minutes $5,500/10 minutes $7,300/10 minutes
Mainline	US 101	Southbound	1st half hour 2nd half hour 2nd hour and beyond	$3,000/10 minutes $7,100/10 minutes $9,500/10 minutes
Ramps	US 101	Northbound	1st half hour 2nd half hour 2nd hour and beyond	$1,000/10 minutes $1,000/ 10 minutes $1,000/10 minutes
Ramps	US 101	Southbound	1st half hour 2nd half hour 2nd hour and beyond	$1,000/10 minutes $1,000/10 minutes $1,000/10 minutes
City Street	Local	City Street	1st half hour 2nd half hour 2nd hour and beyond	$1,000/10 minutes $1,000/ 10 minutes $1,000/10 minutes

12. Replace Section 12-4.03C(1) with the following:

Replace *Reserved* in section 12-4.03C(1) of the RSS for section 12-4.03 with:

At each location where falsework is constructed over a street or route provide openings through the bridge falsework. The Engineer determines the exact location of the openings. The type, minimum width, height, and number of openings at each location, and the location and maximum spacing of the falsework lighting if required for each opening, must comply with the requirements shown in the following table:

University Avenue POC over Route 101 Mainline
Structure identification
(e.g., street no., street name, route no.)

	Number	Width (feet)	Height (feet)
Vehicle openings[b]	2	44	15
Pedestrian openings			

	Location	Spacing[a] (feet)
Falsework pavement lighting	R and L with C staggered 1/2 space	40

NOTE:
R = Right side of traffic
L = Left side of traffic
C = Centered overhead
[a]Spacing is the maximum distance from center to center between fixtures.
[b]Width of vehicular openings is the clear width between temporary railings or other protective work.

University Avenue POC over Route 101 Ramps
Structure identification
(e.g., street no., street name, route no.)

	Number	Width (feet)	Height (feet)
Vehicle openings[b]	2	24	15
Pedestrian openings			

	Location	Spacing[a] (feet)
Falsework pavement lighting	R and L staggered 1/2 space	40

NOTE:
R = Right side of traffic
L = Left side of traffic
C = Centered overhead
[a]Spacing is the maximum distance from center to center between fixtures.
[b]Width of vehicular openings is the clear width between temporary railings or other protective work.

13. After XXX, add the following

"Add to section 20-2.06B(2)(a):

The irrigation controllers within Department highway areas must be WeatherTRAK Pro3 Central 36 Station, Front Entry Stainless Steel Pedestal Heavy Duty Controller with Wireless WeatherTRAK Rainsensor, WeatherTRAK CIM-5YA Central Internet Management 5-year plan, Strong Box 18"X12"X10" SS Pedestal and must have 2-way communication by 5G cellular. The vendor must install any necessary software and conduct any initial software or proprietary website setup configuration for communications between controller and any web-enabled device.

You may obtain specified equipment listed below from:

Watersavers Irrigation, Inc.
4306 Redwood Highway Suite 200, San Rafael, CA 94903
(415) 256-1711
sanrafaelstore@watersaversinc.com

The Department has obtained quoted prices, not including sales tax and delivery, for the equipment shown in the following table:

Equipment description	Quoted price (EA)	Quantity	Extended price	Controller and Remote Access Device identification
WeatherTRAK Pro3 Central 36- station, Front Entry Stainless Steel Pedestal Heavy Duty Controller	$9,798.00	1	$10,453	ICC 'C'
CIM5YA WeatherTRAK CIM-5YA Central Internet management 5-Year Plan	$1,116.00	1	$1,116.00	ICC 'C'
PED18SS Strongbox 18"X12"X10" Stainless Steel Pedestal	$891.00	1	$891.00	ICC 'C'
WTWRS WeatherTRAK Rain Sensor-Wireless	$239.00	1	$258.00	ICC 'C'

These prices are good until June 30, 2023.

Full compensation for WeatherTRAK Cnetral Internet Management Plan, Strongbox stainless steel pedestal and WeatherTRAK wireless rain sensor shall be considered as included in the contract unit price paid for WeatherTRAK 36-station Irrigation Controller (Pedestal Mounted) and no additional compensation will be allowed therefor."

14. Replace the last paragraph of Section "10-2 Water Pollution Control" with the following:

"The Contractor shall submit a Storm Water Pollution Prevention Plan per Section 13, "Water Pollution Control," of the California Department of Transportation, Standard Specifications, 2018 for review and approval by the Engineer. The Contractor shall complete the information in SMARTS and perform all appropriate sampling, testing, and reporting."

15. Immediately below section "10-2 WATER POLLUTION CONTROL," add the following:

"Add to the end of section 13-3.01A:

This project's risk level is 2.

Add between the 4th and 5th paragraphs of section 13-3.01C(2)(a):

The San Francisco Bay, Region 2 RWQCB will review the authorized SWPPP:"

16. In the fourth line of the Legend of the "Lane Closure Restrictions For Designated Holidays and Special Days" in Section 12-4.02C(3)f, replace "10:00 P.M." with "12:00 A.M. (Midnight)."

17. Below the "Lane Closure Restrictions For Designated Holidays and Special Days" in Section 12-4.02C(3)f, replace "Working hours shall be from 7:30 am to 4:30 pm with the following restrictions on freeway, ramp and lane closures " with "Closure restrictions on designated holidays and special days are shown in the following tables:"

18. In the Remarks section of Chart. No. J2 in Section 12-4.02C(3)f, add the following: "Detour to the next off-ramp" and replace "See project plans sheet MI-3 for detour." with "See project plans sheet MI-3."

19. In the Remarks section of Chart. No. M1 in Section 12-4.02C(3)f, add the following: ""NB University Avenue closure is not allowed in conjunction with a full freeway closure."

20. In the Remarks section of Chart. No. M2 in Section 12-4.02C(3)f, add the following: ""SB University Avenue closure is not allowed in conjunction with a full freeway closure."

21. After the Section 20-3.01(5)(7), add the following:

Add to section 20-3.01B(3)(a):

Provide a commercial soil test report from an independent testing laboratory. Topsoil tests shall include basic soil property groups (moisture and saturation percentages, Nitrogen-Phosphorus-Potassium (N-P-K) ratio, pH (ASTM D 4972), soil salinity), secondary nutrient groups (calcium, magnesium, sodium, Sodium Absorption Ratio (SAR)), micronutrients (zinc, manganese, iron, copper), toxic soil elements (boron, chloride, sodium), cation exchange and base saturation percentages, and soil amendment recommendations with quantities for plant material being installed. Tested topsoil shall include a compound sample from six different project area locations from the surface to a depth of 12 inches. It will result in approximately 1-quart volume per each test. Different topsoil composition areas shall be sampled separately. The location of the sample areas shall be noted and marked on as-built drawings for future reference.

22. Replace the Bid Schedule with the attached Bid Schedule revised on 03/06/2023.

23. After the last paragraph in "APPENDIX D CLAUSES FOR CONSTRUCTION/USE/ACCESS …", add the following paragraph: "The contractor should furnish telecommunications and video surveillance equipment with a certificate of compliance. The certificate must state telecommunications and video surveillance equipment was not procured or obtained from manufacturers identified in the above list."

Supplemental Information

1. There are no changes to the Supplemental Information.

Glen March
Senior Engineer
City of East Palo Alto

ADDENDUM No.3, ACKNOWLEDGMENT
(To be submitted with the General Construction Contract, Attachment A of RFB)

REQUEST FOR BID – **US 101 / UNIVERSITY AVENUE INTERCHANGE IMPROVEMENTS**

City Project: **CIP-ST-14**

Bidder acknowledges receipt of this addendum, which shall be attached to the bid. Acknowledgement of receipt of this addendum is required in the space provided below. Failure to acknowledge the addendum may subject the bidder to disqualification.

I, _____ , representing_____ have carefully read this addendum, understand it, acknowledge receipt of it and will comply with its terms.

3/7/2023

CONTRACTOR SIGNATURE	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	0.8/1.1	44	136

REGISTERED CIVIL ENGINEER — DATE 9-15-22

PLANS APPROVAL DATE 9-30-22

REGISTERED PROFESSIONAL ENGINEER — DANIEL HO — No. 50914 — Exp. 9-30-23 — CIVIL — STATE OF CALIFORNIA

AECOM
4 N. SECOND St
SUITE 675
SAN JOSE, CA 95113

CITY OF EAST PALO ALTO
1960 TATE STREET
EAST PALO ALTO, CA 94303

NOTES:

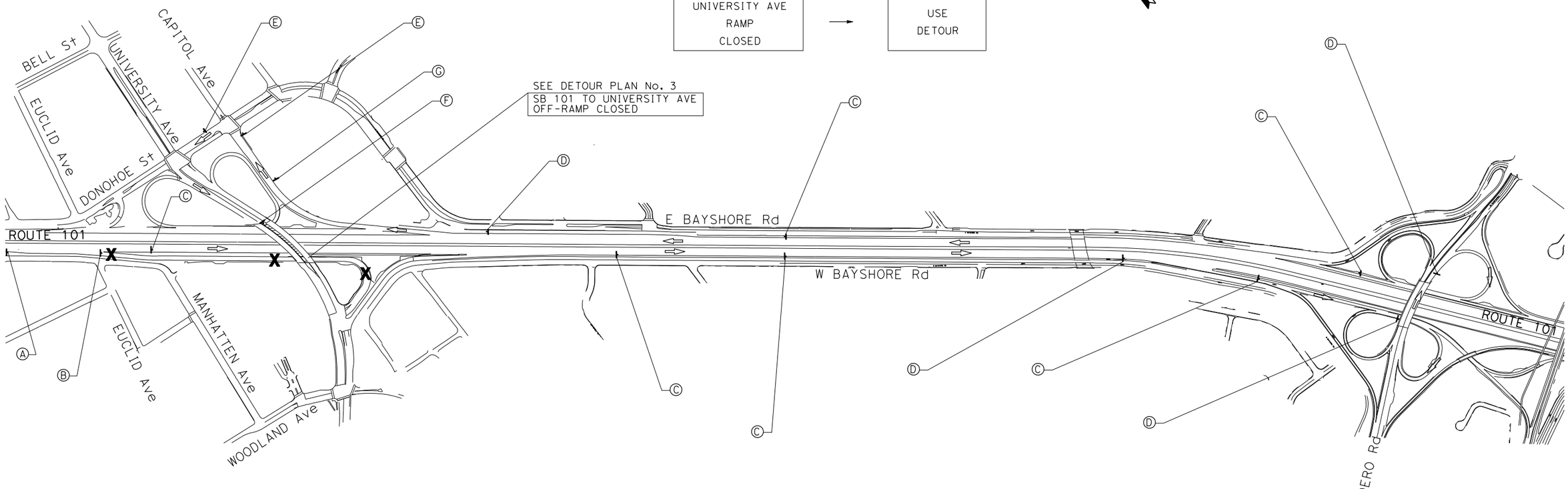
1. PCMS MUST BE INSTALLED AND TURNED ON FOURTEEN (14) DAYS PRIOR TO UNIVERSITY AVE RAMP CLOSURE. PCMS SHALL READ:

UNIVERSITY AVE RAMP CLOSED	→	DATE & TIME

DURING UNIVERSITY AVE RAMP CLOSURE, PCMS SHALL READ:

UNIVERSITY AVE RAMP CLOSED	→	USE DETOUR

EAST PALO ALTO



DETOUR PLAN No. 3
FROM SB 101 TO UNIVERSITY AVE

- SB 101 OFF-RAMP TO EMBARCADERO Rd
- NB EMBARADERO Rd TO NB 101 ON-RAMP
- NB 101 TO DONOHOE St OFF-RAMP
- WB DONOHOE St TO UNIVERISTY AVE

FOR LEGEND AND NOTES SEE SHEET MI-1

MOTORIST INFORMATION PLAN

NO SCALE

APPROVED FOR MOTORIST INFORMATION WORK ONLY

MI-3

REVISED BY	DATE REVISED
JC	9-15-22

NELSON HOM — DANIEL HO — CALCULATED-DESIGNED BY — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR — HOWARD MICHAEL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

LAST REVISION 9-15-22 — DATE PLOTTED => 1/25/2023 — TIME PLOTTED => 3:57:55 PM

BORDER LAST REVISED 8/1/2016 — USERNAME => jose.coronel — DGN FILE => 040000075911b003.dgn — RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 — UNIT 0703 — PROJECT NUMBER & PHASE 04000007591

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	0.8/1.1	45	136

REGISTERED CIVIL ENGINEER — DATE 9-15-22

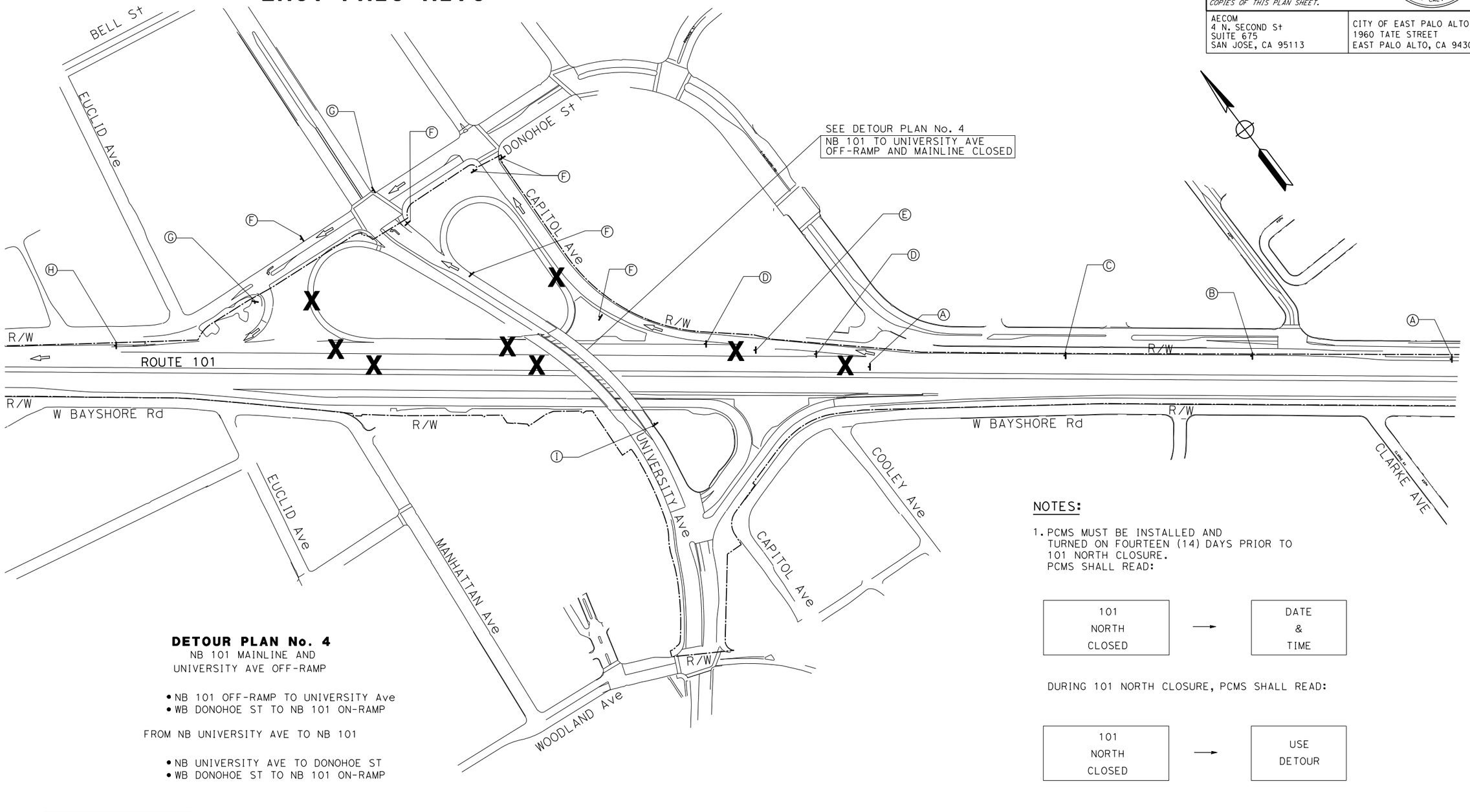
PLANS APPROVAL DATE 9-30-22

REGISTERED PROFESSIONAL ENGINEER — DANIEL HO — No. 50914 — Exp. 9-30-23 — CIVIL — STATE OF CALIFORNIA

AECOM
4 N. SECOND St
SUITE 675
SAN JOSE, CA 95113

CITY OF EAST PALO ALTO
1960 TATE STREET
EAST PALO ALTO, CA 94303

EAST PALO ALTO



DETOUR PLAN No. 4

NB 101 MAINLINE AND
UNIVERSITY AVE OFF-RAMP

- NB 101 OFF-RAMP TO UNIVERSITY Ave
- WB DONOHOE ST TO NB 101 ON-RAMP

FROM NB UNIVERSITY AVE TO NB 101

- NB UNIVERSITY AVE TO DONOHOE ST
- WB DONOHOE ST TO NB 101 ON-RAMP

FOR LEGEND AND NOTES
SEE SHEET MI-1

NOTES:

1. PCMS MUST BE INSTALLED AND TURNED ON FOURTEEN (14) DAYS PRIOR TO 101 NORTH CLOSURE.
   PCMS SHALL READ:

101 NORTH CLOSED	→	DATE & TIME

DURING 101 NORTH CLOSURE, PCMS SHALL READ:

101 NORTH CLOSED	→	USE DETOUR

MOTORIST INFORMATION PLAN

NO SCALE

MI-4

APPROVED FOR MOTORIST INFORMATION WORK ONLY

REVISED BY	DATE REVISED
JC	9-15-22

CALCULATED-DESIGNED BY: JOSE CORONEL
CHECKED BY: DANIEL HO
CONSULTANT FUNCTIONAL SUPERVISOR: HOWARD MICHAEL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 9-15-22
DATE PLOTTED => 1/25/2023
TIME PLOTTED => 3:54:19 PM

BORDER LAST REVISED 8/1/2016 | USERNAME => jose.coronel | DGN FILE => 040000075911b004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0703 | PROJECT NUMBER & PHASE 04000007591

NOTES: APPLICABLE WHERE CIRCLED (OR IN BRACKET)

(1) INSTALL RISER ASSEMBLY (TYPE V) SPRINKLERS WITH EMITTERS ON THE UPHILL SIDE OF PLANT BASINS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	0.8/1.1		1

REGISTERED LANDSCAPE ARCHITECT — DATE 02/28/2023

9-30-22
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — JIRI GEORGE STRNAD, NO. 5626 — SIGNATURE 12-31-22 — EXPIRATION DATE 05-05-22 — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

4 N. SECOND St
SUITE 675
SAN JOSE, CA 95113

CITY OF EAST PALO ALTO
1960 TATE STREET
EAST PALO ALTO, CA 94303

IRRIGATION SPRINKLER SCHEDULE

SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE	PRESSURE COMPENSATING	GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)	MATERIAL	INLET CONNECTION (NPT INCH)	RISER			IRRIGATION EMITTERS PER PLANT	REMARKS
										TYPE	MATERIAL			
											PLASTIC	SIZE (IPS INCH)		
◯	C-2	TREE RISER SPRINKLER ASSEMBLY	F	20-90	YES	0.25	15	PL	½"	V	X	½"	2 SPRINKLER RISER ASSEMBLIES PER PRUNUS SERRULATA 'KWANZAN', CERCIS OCCIDENTALIS, AND X CHITALPA TASHKENTENSIS 'PINK CLOUD'	(1)
◯	C-2	TREE RISER SPRINKLER ASSEMBLY	F	20-90	YES	0.25	15	PL	½"	V	X	½"	3 SPRINKLER RISER ASSEMBLIES FOR QUERCUS CHRYSOLEPIS AND QUERCUS WISLIZENI	(1)
×	C-2	GROUNDCOVER RISER SPRINKLER ASSEMBLY	F	20-90	YES	0.25	15	PL	½"	V	X	½"	1 SPRINKLER RISER ASSEMBLY PER PLANT	(1)

PLASTIC PIPE SIZING (LATERAL)

PLASTIC PIPE		PIPE SIZE	GPM	No. OF SPRINKLERS (EA)
SCH 40	CL 315			
SCH 40		1"	0-12	48
SCH 40		1-1/2"	13-30	120
	CL 315	2"	31-45	180
	CL 315	2-1/2"	46-70	280

IRRIGATION SPRINKER SCHEDULE

ISS-1

DANIEL BLAIR	GEORGE STRNAD	12-22-21	02-28-23
CALCULATED-DESIGNED BY	CHECKED BY	JC	DB

CONSULTANT FUNCTIONAL SUPERVISOR: HOWARD MICHAEL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

REVISED BY / DATE REVISED

LAST REVISION 12-22-21
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	0.8/1.1		1

REGISTERED LANDSCAPE ARCHITECT — 02/28/2023 DATE

9-30-22
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

JIRI GEORGE STRNAD, No. 6294, LICENSED LANDSCAPE ARCHITECT, SIGNATURE, 12-31-22 EXPIRATION DATE, 05-05-22 DATE, STATE OF CALIFORNIA

AECOM
4 N. SECOND St
SUITE 675
SAN JOSE, CA 95113

CITY OF EAST PALO ALTO
1960 TATE STREET
EAST PALO ALTO, CA 94303

EROSION CONTROL TYPE 1

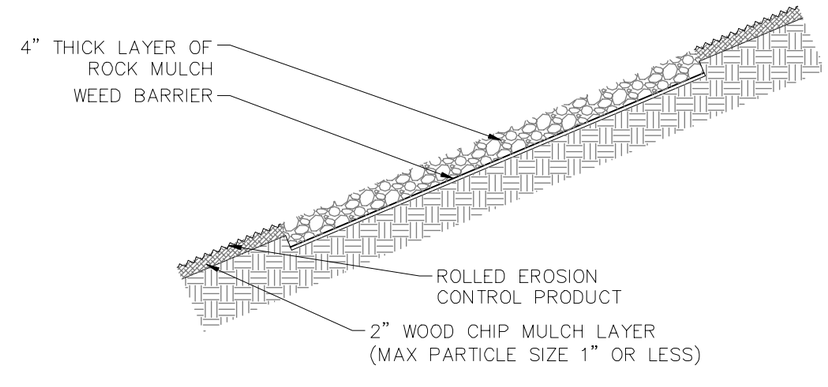
SYMBOL	SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE	DEPTH	REMARKS
	STEP 1	WOOD CHIPS	WOOD CHIPS	FINE PARTICLES 1" OR LESS	270 CY/AC	2"	
	STEP 2	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE C			
	STEP 3	FIBER ROLLS	FIBER ROLL	BioD-Watl (12" x 10') COIR WATTLES	AS SHOWN ON PLANS		SEE DETAIL A THIS SHEET

NOTES: APPLICABLE WHERE CIRCLED (OR IN BRACKET)

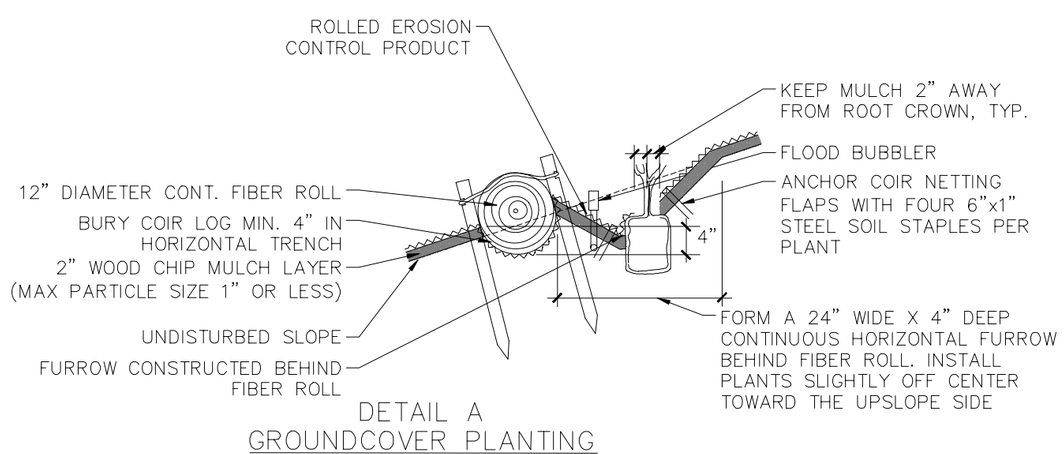
1. SUFFICIENT TO RECEIVE ROOT BALL
2. 2X ROOT BALL WIDTH
3. REQUIRED
4. INSTALL GROUNDCOVER PLANTS IN FURROWS PER DETAILS A AND B

PLANT LEGEND

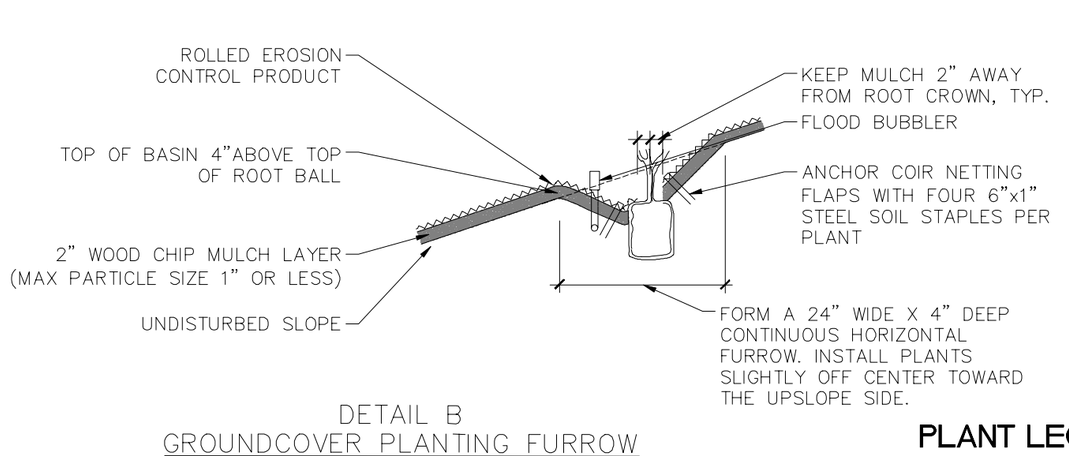
PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	HOLE SIZE (Dia) (INCH)	HOLE SIZE (DEPTH) (INCH)	BASIN TYPE	STAKING	④ HORIZONTAL ON CENTER SPACING (ft)	MINIMUM PLANTING DISTANCE FROM: EDGE OF TRAVEL WAY (FEET)	EDGE OF PAVEMENT (FEET)	FENCE (FEET)	WALL (FEET)	PAVED DITCH (FEET)	EARTH DITCH (FEET)	WATER USE LEVEL	REMARKS
1		BACCHARIS PILULARIS 'Twin Peaks'	PIGEON POINT COYOTE BRUSH	②	①	II	–	96"	–	–	–	–	–	–	LOW	GROUND COVER
2		CEANOTHUS GRISEUS HORIZONTALIS 'Yankee Point'	CARMEL MOUNTAIN LILAC	②	①	II	–	96"	–	–	–	–	–	–	LOW	GROUND COVER
3		EPILOBIUM CANUM 'Calistoga'	CALIFORNIA FUCHSIA	②	①	II	–	48"	–	–	–	–	–	–	LOW	GROUND COVER
4		ERIOGONUM FASCICULATUM 'Warriner Lytle'	WARRINER LYTLE BUCKWHEAT	②	①	II	–	60"	–	–	–	–	–	–	LOW	GROUND COVER
5		SALVIA X 'Bee's Bliss'	BEE'S BLISS SAGE	②	①	II	–	72"	–	–	–	–	–	–	LOW	GROUND COVER
6		CERCIS OCCIDENTALIS	WESTERN REDBUD	②	①	II	③	–	15	5	5	5	10	10	VERY LOW	TREE
7		PRUNUS SERRULATA 'Kwanzan'	KWANZAN JAPANESE FLOWERING CHERRY	②	①	II	③	–	20	5	15	15	15	5	MEDIUM	TREE
8		QUERCUS CHRYSOLEPIS	CANYON LIVE OAK	②	①	II	③	–	20	20	20	20	20	5	VERY LOW	TREE
9		QUERCUS WISLIZENII	INTERIOR LIVE OAK	②	①	II	③	–	20	20	20	20	20	5	VERY LOW	TREE
10		X CHITALPA TASHKENTENSIS 'Pink Cloud'	PINK CLOUD CHITALPA	②	①	II	③	–	20	6	15	15	15	17	LOW	TREE



DETAIL C
ROCK MULCH



DETAIL A
GROUNDCOVER PLANTING
FURROW AT FIBER ROLL



DETAIL B
GROUNDCOVER PLANTING FURROW

PLANT LEGEND

PL-1

DANIEL BLAIR — GEORGE STRNAD — REVISED BY — DATE REVISED
JC — 12-22-21 — CALCULATED-DESIGNED BY
DB — 02-28-23 — CHECKED BY
HOWARD MICHAEL — CONSULTANT FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION 12-22-21 — DATE PLOTTED => $DATE — TIME PLOTTED => $TIME

BORDER LAST REVISED 8/1/2016 | USERNAME =>$USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0703 | PROJECT NUMBER & PHASE 04000007591

BID SCHEDULE (Revised 03-06-2023)

US 101/UNIVERSITY AVENUE INTERCHANGE IMPROVEMENTS,
CITY PROJECT No. ST-14
CITY OF EAST PALO ALTO, CALIFORNIA

Item No.	Item Description	Unit	Estimated Quantity	Unit Price (in Figures)	Item Total (in Figures)
1	Lead Compliance Plan	LS	LS		
2	Soil Sampling and Analysis	LS	LS		
3	Progress Schedule (Critical Path Method)	LS	LS		
4	Time-Related Overhead	LS	LS		
5	Develop Water Supply	LS	LS		
6	Construction Area Signs	LS	LS		
7	Traffic Control System	LS	LS		
8	Portable Changeable Message Sign	LS	LS		
9	Temporary Striping (Paint)	LF	20,830		
10	Temporary Pavement Marking (Paint)	SQFT	830		
11	Temporary Pavement Marker	EA	521		
12	Channelizer	EA	125		
13	Alternative Temporary Crash Cushion	EA	1		
14	Temporary Railing (Type K)	LF	3,330		
15	Temporary Crash Cushion Module	EA	98		
16	Job Site Management	LS	LS		
17	Prepare Storm Water Pollution Prevention Plan	LS	LS		
18	Rain Event Action Plan	EA	30		
19	Storm Water Sampling & Analysis Day	EA	12		
20	Temporary Cover	SQYD	10,000		
21	Storm Water Annual Report	EA	3		

Item No.	Item Description	Unit	Estimated Quantity	Unit Price (in Figures)	Item Total (in Figures)
22	Temporary Hydraulic Mulch (Bonded Fiber Matrix)	SQYD	10,000		
23	Temporary Drainage Inlet Protection	EA	16		
24	Temporary Fiber Roll	LF	1,980		
25	Temporary Reinforced Silt Fence	LF	710		
26	Temporary Construction Entrance	EA	3		
27	Street Sweeping	LS	LS		
28	Dewatering and Non-Storm Water Discharge System	LS	LS		
29	Temporary Concrete Washout	EA	5		
30	Remove Concrete Curb	LF	1,990		
31	Remove Concrete Sidewalk and Island	SF	12,600		
32	Clearing and Grubbing	LS	LS		
33	Roadway Excavation (Type Z-2) (Aerially Deposited Lead)	CY	1,405		
34	Imported Borrow	CY	9,100		
35	Structural Excavation (Bridge)	CY	167		
36	Structural Backfill (Bridge)	CY	133		
37	Rock Mulch	SQFT	260		
38	Weed Germination	SQYD	4,300		
39	Soil Amendment	CY	55		
40	Packet Fertilizer	EA	1,093		
41	Slow-Release Fertilizer	LB	188		
42	Plant (Group A)	EA	1,339		
43	Plant (Group U)	EA	49		
44	Plant Establishment Period (1 Year)	LS	LS		

Item No.	Item Description	Unit	Estimated Quantity	Unit Price (in Figures)	Item Total (in Figures)
45	Wood Mulch (2")	CY	240		
46	Foliage Protector (Tree Staking)	EA	49		
47	Root Barrier	LF	452		
48	Control and Neutral Conductors (Armor Clad)	LS	LS		
49	1" Remote Control Valve	EA	2		
50	1 1/2" Remote Control valve	EA	3		
51	2" Remote Control Valve	EA	8		
52	WeatherTRAK 36-Station Irrigation Controller (Pedestal Mounted)	EA	1		
53	Riser Sprinkler Assembly	EA	1,449		
54	2” Gate Valve	EA	2		
55	1" Plastic Pipe (Schedule 40) (Supply Line)	LF	5,460		
56	1 1/2" Plastic Pipe (Schedule 40) (Supply Line)	LF	3,363		
57	2" Plastic Pipe (Class 315) (Supply Line)	LF	1,172		
58	8" Welded Steel Pipe Conduit	LF	112		
59	Move In/Move Out (Erosion Control)	EA	1		
60	Rolled Erosion Control Product (Netting)	SQFT	6,800		
61	Hydromulch	SQFT	36,300		
62	Hydroseed	SQFT	36,300		
63	Fiber Rolls	LF	3,500		
64	Compost	CY	180		
65	Class 2 Aggregate Base	CY	410		
66	Hot Mix Asphalt (Type A)	TON	1,910		
67	HMA Dike (Type D)	LF	410		

Item No.	Item Description	Unit	Estimated Quantity	Unit Price (in Figures)	Item Total (in Figures)
68	Tack Coat	TON	6		
69	Cold Plane Asphalt Concrete Pavement	SQYD	56		
70	Remove Base and Surfacing	CY	540		
71	Remove AC Dike	LF	210		
72	Temporary Shoring	LS	LS		
73	24" Cast-In-Drilled-Hole Concrete Piling	LF	530		
74	96" Cast-In-Drilled-Hole Concrete Piling	LF	370		
75	Prestressing Cast-In-Place Concrete	LS	LS		
76	Structural Concrete, Bridge Footing	CY	38		
77	Structural Concrete, Bridge	CY	520		
78	Structural Concrete, Bridge (Polymer Fiber)	CY	221		
79	Joint Seal Assembly (MR 3 1/2")	LF	28		
80	Bar Reinforcing Steel (Bridge)	LB	364,384		
81	Headed Bar Reinforcement	EA	10		
82	18" Alternative Pipe Culvert	LF	68		
83	18" Corrugated Steel Pipe Downdrain	LF	170		
84	Corrugated Steel Pipe Tee Dissipator	EA	3		
85	Drainage Inlet Marker	EA	8		
86	Structural Concrete (Drainage Inlet)	CY	26		
87	Minor Concrete (Inlet Depression)	CY	8		
88	Remove Inlet	EA	1		
89	Inlet Depression	EA	8		
90	Modify Inlet to Manhole	EA	5		

Item No.	Item Description	Unit	Estimated Quantity	Unit Price (in Figures)	Item Total (in Figures)
91	Rock Slope Protection (Method B)	CY	3		
92	Minor Concrete (Miscellaneous Construction)	CY	130		
93	Curb Ramp (Case F)	EA	1		
94	Curb Ramp (Case G, Modified)	EA	3		
95	Island Passageway	EA	1		
96	Miscellaneous Iron And Steel	LB	2,610		
97	Miscellaneous Metal (Bridge)	LB	860		
98	Chain Link Fence (Type CL-6, Vinyl-Clad)	LF	461		
99	Remove Chain Link Fence	LF	530		
100	Object Marker (Type K-2)	EA	1		
101	Remove Roadside Sign	EA	9		
102	Relocate Roadside Sign (One Post)	EA	2		
103	Relocate Roadside Sign (Two Post)	EA	4		
104	Treated Wood Waste	LB	1,512		
105	Roadside Sign - One Post	EA	12		
106	Roadside Sign - Two Post	EA	2		
107	Install Sign (Mast-Arm Hanger Method)	EA	2		
108	Remove Guardrail	LF	73		
109	Midwest Guardrail System (Steel Post)	LF	183		
110	Transition Railing (Type WB-31)	EA	1		
111	Alternative In-line Terminal System	EA	1		
112	End Cap (Type A)	EA	1		
113	End Cap (Type TC)	EA	1		

Item No.	Item Description	Unit	Estimated Quantity	Unit Price (in Figures)	Item Total (in Figures)
114	End Anchor Assembly (Type SFT-M)	EA	1		
115	End Anchor Block	EA	1		
116	Vegetation Control (Minor Concrete)	SQYD	147		
117	Chain Link Railing (Type 7L, Vinyl-Clad)	LF	1,177		
118	Concrete Barrier (Type 60R Modified A)	LF	110		
119	Concrete Barrier (Type 60R Modified B)	LF	26		
120	Concrete Barrier (Type 60MS)	LF	96		
121	Remove Concrete Barrier	LF	110		
122	Thermoplastic Pavement Marking (Enhanced Wet Night Visibility)	SQFT	6,720		
123	Bike Lane Marking	SQFT	2,260		
124	4" Thermoplastic Traffic Stripe (Yellow, Solid)	LF	1,660		
125	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 17-7)	LF	3,360		
126	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 18-12)	LF	7,520		
127	4" Yellow Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	1,660		
128	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	13,060		
129	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 6-1)	LF	1,000		
130	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	3,290		
131	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 18-12)	LF	3,780		
132	Pavement Marker (Retroreflective)	EA	1,036		
133	Remove Yellow Thermoplastic Traffic Stripe (Hazardous Waste)	LF	4,210		
134	Remove Thermoplastic Traffic Stripe	LF	12,040		
135	Remove Thermoplastic Pavement Marking	SQFT	950		

Item No.	Item Description	Unit	Estimated Quantity	Unit Price (in Figures)	Item Total (in Figures)
136	Remove Pavement Marker	EA	492		
137	Signal and Lighting (City Street Location 1)	LS	LS		
138	Signal and Lighting (City Street Location 2)	LS	LS		
139	Lighting (City Street)	LS	LS		
140	Modifying Lighting Systems	LS	LS		
141	Rectangular Rapid Flashing Beacon System (City)	LS	LS		
142	Modify Signal and Lighting System	LS	LS		
143	Modify Fiber Optic System	LS	LS		
144	Temporary High Visibility Fence	LF	940		
145	Mobilization	LS	LS		

(Abbreviation: LS = Lump Sum; LF = Lineal Foot; EA = Each, SQFT= Square Feet, SQYD= Square Yard, CY = Cubic Yards, TON= ton , LB= pound)

Grand Total - Basis of Award	**$**
Total Base Bid Amount (in Writing) Basis of Award:	

Note: The estimate of construction quantities set forth herein are approximate only, being given as a basis for the comparison of bids. The City does not expressly or by implication agree that the actual amount of work will correspond therewith, and reserves the right to change the amount of any class or portion of the work or to omit portions of the work as may be deemed necessary or expedient by the Engineer. All bids will be compared on the basis of the Engineer's Estimate of quantities of the work to be done. The undersigned declares, by their signature to this proposal, that the bidder has checked carefully all of the above figures and understands that the City shall not be responsible for any errors or omissions on the part of the undersigned in making up this bid.

Accompanying this Proposal is _____
(insert the words "Cash", "Cashier's Check", "Certified Check", or "Bidder's Bond", as the case may be, made out to the City of East Palo Alto), in amount equal to at least ten percent (10%) of the total bid.