

× HISSEN CONSULTANT FUNCTIONAL DEPARTMENT OF TRANSPORTATION CALIFORNIA Ge Caltrans

STATE OF

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	TOTAL SHEETS
04 04	Ala CC	680 680	R10.6/R21.9 R0.0/R1.1	

REGISTERED CIVIL ENGINEER DATE

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.

AECOM 300 Lake Drive Suite 400 Oakland, CA 94612

ALAMEDA COUNTY TRANSPORTATION COMMISSION 1111 Broadway, Suite 800 Oakland, CA 94607



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

PRELIMINARY PLANS Subject to revision

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 50'

U-20

USERNAME => josh.sun DGN FILE => U-020.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REVISED × **PLEASANTON** CALCULATED-DESIGNED BY PG&E 21 kV OH ELECTRIC DISTRIBUTION TELEPHONE LINE HISSEN PG&E 4" GAS DISTRIBUTION SB ROUTE 680 "I-680" LINE 390 385 NB ROUTE 680 DEPARTMENT OF TRANSPORTATION CITY OF PLEASANTON 18" GRAVITY SEWER LINE CALIFORNIA Ge Caltrans STATE OF FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS Subject to revision THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

BORDER LAST REVISED 7/2/2010

Ala 680 680 R10.6/R21.9 R0.0/R1.1 REGISTERED CIVIL ENGINEER DATE 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.

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UTILITY PLAN
SCALE: 1" = 50'

U-21

USERNAME => josh.sun DGN FILE => U-021.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04 04	Ala CC	680 680	R10.6/R21.9 R0.0/R1.1		

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AECOM 300 Lake Drive Suite 400 Oakland, CA 94612 ALAMEDA COUNTY TRANSPORTATION COMMISSION 1111 Broadway, Suite 800 Oakland, CA 94607

	CITY OF PLEASANTON 8" WATER LINE CITY OF PLEASANTON 8" WATER LINE PLEASANTON PLEASANTON ROW WATER LINE S
MATCH LINE (U-21)	SB ROUTE 680
	R/W - S - S - S - S - S - S - S - S - S -

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

PRELIMINARY PLANS SUBJECT TO REVISION

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UTILITY PLAN
SCALE: 1" = 50'

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NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REVISED REVISED DATE **PLEASANTON** CALCULATED-DESIGNED BY SB ROUTE 680 "I-680" LINE RAMSEY HISSEN NB ROUTE 680 410 CONSULTANT DEPARTMENT OF TRANSPORTATION CITY OF PLEASANTON 18" SANITARY SEWER CALIFORNIA Ge Caltrans STATE OF FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS Subject to revision

Ala 680 680 R10.6/R21.9 R0.0/R1.1 REGISTERED CIVIL ENGINEER DATE

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CITY OF PLEASANTON 8" VCP SEWER LINE CITY OF PLEASANTON 8" VCP SEWER LINE CITY OF PLEASANTON 8" PVC WATER LINE

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 50'

U-23

USERNAME => josh.sun DGN FILE => U-023.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

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R10.6/R21.9 R0.0/R1.1 Ala CC

REGISTERED CIVIL ENGINEER DATE

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CLITY OF PLEASANTON 8" PVC WATER LINE 9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-
CITY OF PLEASANTON 8"-VCP SEWER LINE CITY OF PLEASANTON 8" DIP WATER LINE R/W
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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

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UTILITY PLAN
SCALE: 1" = 50'

USERNAME => josh.sun DGN FILE => U-024.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REVISED DATE × CALCULATED-DESIGNED BY HISSEN "I-680" LINE MATCH CONSULTANT DEPARTMENT OF TRANSPORTATION CALIFORNIA Ge Caltrans STATE OF FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS Subject to revision

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04 04	Ala CC	680 680	R10.6/R21.9 R0.0/R1.1		

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UTILITY PLAN
SCALE: 1" = 50'

U-25

BORDER LAST REVISED 7/2/2010

USERNAME => josh.sun DGN FILE => U-025.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 0000

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PRELIMINARY PLANS Subject to revision

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SCALE: 1" = 50'

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TOTAL PROJECT No. SHEETS

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UTILITY PLAN
SCALE: 1" = 50'

U-27

BORDER LAST REVISED 7/2/2010

USERNAME => josn.sun
DON FILE => U-027.dgn

UNIT 0000

PROJECT NUMBER & PHASE

NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REVISED REVISED BY DATE Š CALCULATED-DESIGNED BY PLEASANTON SB ROUTE 680 RAMSEY HISSEN "I-680" LINE 480 490 MATCH NB ROUTE 680 CONSULTANT DEPARTMENT OF TRANSPORTATION CITY OF PLEASANTON 18" SEWER LINE CITY OF PLEASANTON 16" SEWER LINE CALIFORNIA Ge Caltrans STATE OF FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS Subject to revision THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY USERNAME => josh.sun DGN FILE => U-028.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 BORDER LAST REVISED 7/2/2010

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MATCH

UTILITY PLAN
SCALE: 1" = 50'

U-28

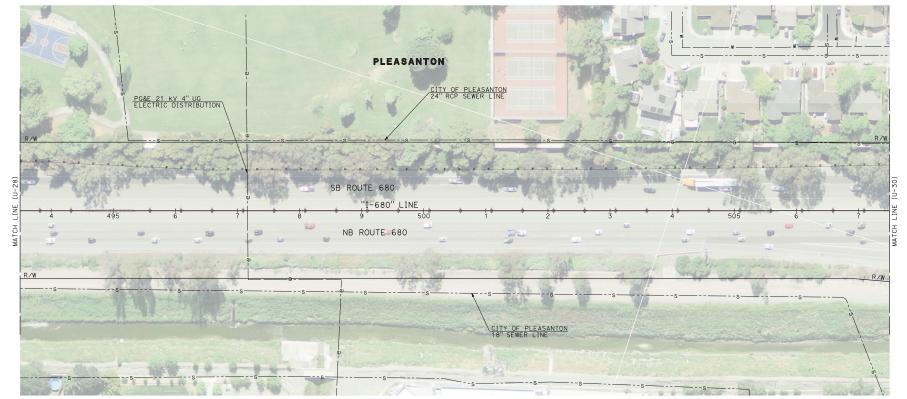
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UTILITY PLAN
SCALE: 1" = 50'

U-29

USERNAME => josh.sun DGN FILE => U-029.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

Ala 680 680 R10.6/R21.9 R0.0/R1.1 NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REGISTERED CIVIL ENGINEER DATE 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. AECOM 300 Lake Drive Suite 400 Oakland, CA 94612 ALAMEDA COUNTY TRANSPORTATION COMMISSION 1111 Broadway, Suite 800 Oakland, CA 94607 REVISED β REVISED DATE PLEASANTON Š CALCULATED-DESIGNED BY CITY OF PLEASANTON 15" GRAVITY SEWER LINE SB ROUTE 680 HISSEN LINE 520 MATCH L МАТСН NB ROUTE 680 CONSULTANT R/W DEPARTMENT OF TRANSPORTATION CITY OF PLEASANTON 24" GRAVITYSEWER LINE STONERIDGE (CITY OF PLEASANTON 16" DIP WATER LINE CALIFORNIA Ge Caltrans UTILITY PLAN
SCALE: 1" = 50' STATE OF FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS Subject to revision U-30 THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY USERNAME => josh.sun DGN FILE => U-030.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

Ala NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REGISTERED CIVIL ENGINEER DATE 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. AECOM 300 Lake Drive Suite 400 Oakland, CA 94612 REVISED B REVISED DATE × PLEASANTON CALCULATED-DESIGNED BY AT&T UG TELEPHONE LINE (U-30) SB ROUTE 680 "I-680" LINE RAMSEY HISSEN CONSULTANT FUNCTIONAL МАТСН NB ROUTE 680 DEPARTMENT OF TRANSPORTATION CALIFORNIA Ge Caltrans UTILITY PLAN
SCALE: 1" = 50' STATE OF FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS Subject to revision THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY USERNAME => josh.sun DGN FILE => U-031.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

U-31

680 680

R10.6/R21.9 R0.0/R1.1

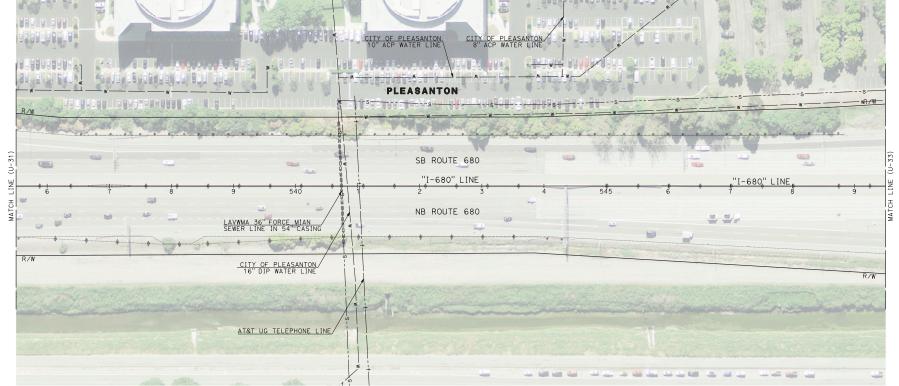
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MATCH

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL
04 04	Ala CC	680 680	R10.6/R21.9 R0.0/R1.1		
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300 Lake Drive
Suite 400
Oakland, Ca 94612
ALAMEDA COUNTY TRANSPORTATIO
COMMISSION
1111 Broadway, Suite 800
Oakland, CA 94607



PRELIMINARY PLANS Subject to revision

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UTILITY PLAN
SCALE: 1" = 50'

U-32

RELATIVE BORDER SCALE 0 1 2 3 UNIT 0000 PROJECT NUMBER & PHASE

NOTE:

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680 680 R10.6/R21.9 R0.0/R1.1 Ala CC

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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

PRELIMINARY PLANS Subject to revision

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UTILITY PLAN
SCALE: 1" = 50'

USERNAME => josh.sun DGN FILE => U-033.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

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R10.6/R21.9 R0.0/R1.1 Ala CC

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PLEASANTON	DUBLIN CITY OF DUBLIN 8" PVC WATER LINE
MATCH LINE (U-33)	SB ROUTE 680 SB ROUTE 680 "IF 680" LINE
	9 570 2 3 NB ROUTE 680

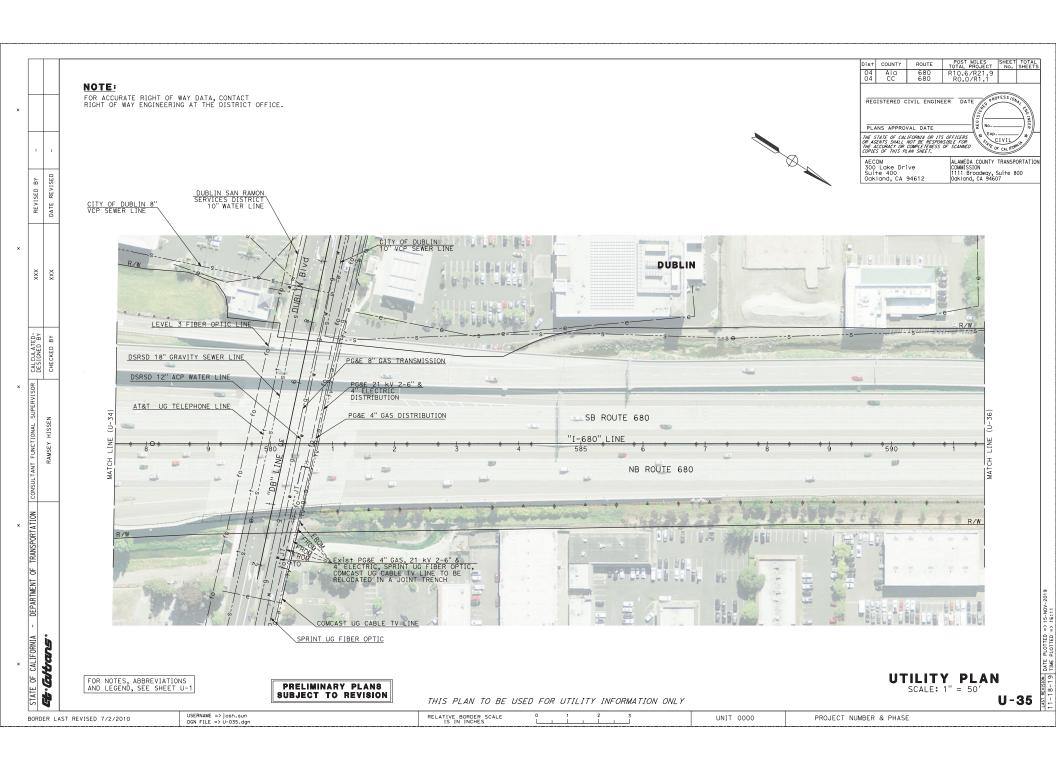
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UTILITY PLAN
SCALE: 1" = 50'

USERNAME => josh.sun DGN FILE => U-034.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010



FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

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R/W R/W PGSE OH ELECTRIC PGSE 6" GAS LINE AT&T TELEPHONE L	SB ROUTE 680 "I-680" LINE 2 3 4 595	DSRSD 12" SEWER LINE PG&E UG ELECTRIC DSRSD 12" SEWER LINE PG&E 4" GAS DISTRIBUTION DSRSD 6" RECYCLED WATER AT UG 8-4" TELEPHONE LINE PG&E UG ELECTRIC DSRSD 12" SEWER LINE PG&E UG ELECTRIC	e (oh) R/W (LE-1) H) (LE-1) H)
UTILITY PLAN OR NOTES, ABBREVIATIONS ND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS SCALE: 1" = 50'	PG&E 6" AT&T TELEP	H ELECTRIC GAS LINE	-g

BORDER LAST REVISED 7/2/2010

USERNAME => josh.sun DGN FILE => U-036.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 0000

NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REVISED REVISED BY DATE DUBLIN × PG&E 21 KV OH ELETRIC DISTRIBUTION CALCULATED-DESIGNED BY SB ROUTE 680 HISSEN 핑 NB ROUTE 680 CONSULTANT DEPARTMENT OF TRANSPORTATION PG&E 21 kV OH DISTRIBUTION

UTILITY PLAN
SCALE: 1" = 50'

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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.

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680 680

REGISTERED CIVIL ENGINEER DATE

R10.6/R21.9 R0.0/R1.1

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MATCH

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USERNAME => josh.sun DGN FILE => U-037.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

PRELIMINARY PLANS Subject to revision

CALIFORNIA Ge Caltrans

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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

U-37

NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REVISED REVISED DATE DUBLIN -PG&E 21 kV OH ELECTRIC CALCULATED-DESIGNED BY 100 SB ROUTE 680 (0-37) HISSEN 620 630 MATCH NB ROUTE 680 CONSULTANT DEPARTMENT OF TRANSPORTATION CALIFORNIA Ge Caltrans STATE OF FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS Subject to revision

USERNAME => josh.sun DGN FILE => U-038.dgn

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MATCH

UTILITY PLAN
SCALE: 1" = 50'

U-38

PROJECT NUMBER & PHASE

UNIT 0000

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680 680

R10.6/R21.9 R0.0/R1.1

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UTILITY PLAN
SCALE: 1" = 50'

U-39

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

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CALIFORNIA Ge Caltrans

STATE OF

USERNAME => josh.sun DGN FILE => U-039.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 0000

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NOTE:

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R10.6/R21.9 R0.0/R1.1

DUBLIN-	e (oh)	LEVEL 3 FIBER OPTIC LINE	
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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

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UTILITY PLAN
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USERNAME => josh.sun DGN FILE => U-040.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

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STATE OF

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala CC	680 680	R10.6/R21.9 R0.0/R1.1		

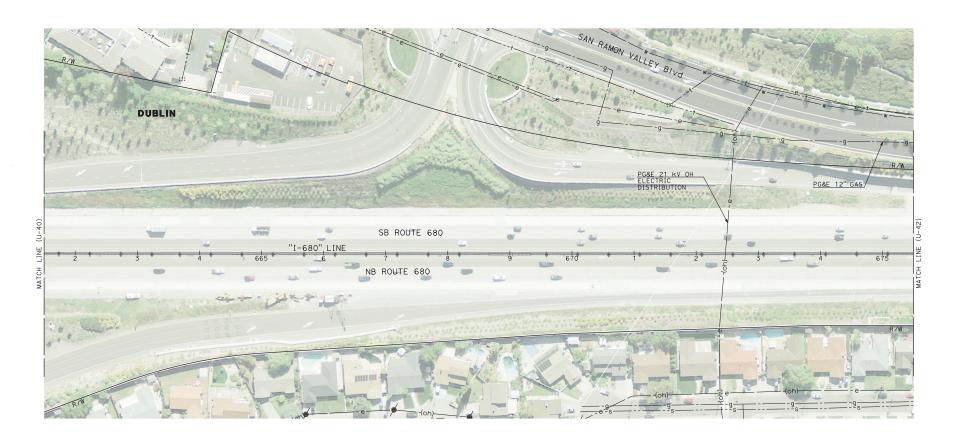
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THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 50'

U-41

USERNAME => josh.sun DGN FILE => U-041.dgn RELATIVE BORDER SCALE IS IN INCHES UNIT 0000 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE. REVISED DATE EBMUD 12" WATER DUBLIN TELEPHONE LINE PG&E 12" GAS SAN RAMON VALLEY BIVO HISSEN SB ROUTE 680 685 MATCH ■NB ROUTE 680 DEPARTMENT OF TRANSPORTATION CALIFORNIA Ge Caltrans STATE OF FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1 PRELIMINARY PLANS Subject to revision THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

R10.6/R21.9 R0.0/R1.1 REGISTERED CIVIL ENGINEER DATE 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.

AECOM 300 Lake Drive Suite 400 Oakland, CA 94612

ALAMEDA COUNTY TRANSPORTATION COMMISSION 1111 Broadway, Suite 800 Oakland, CA 94607

UTILITY PLAN
SCALE: 1" = 50'

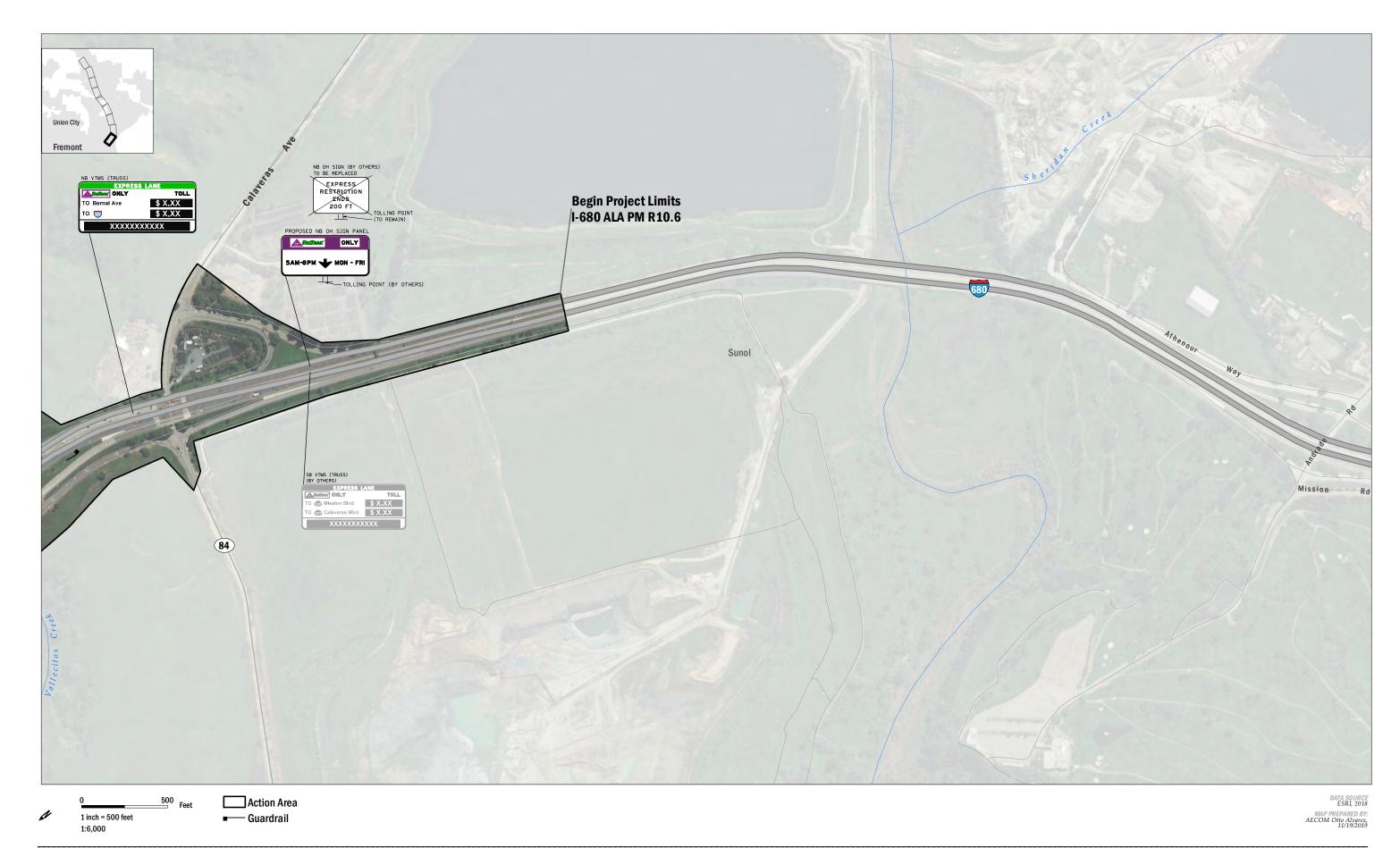
U-42

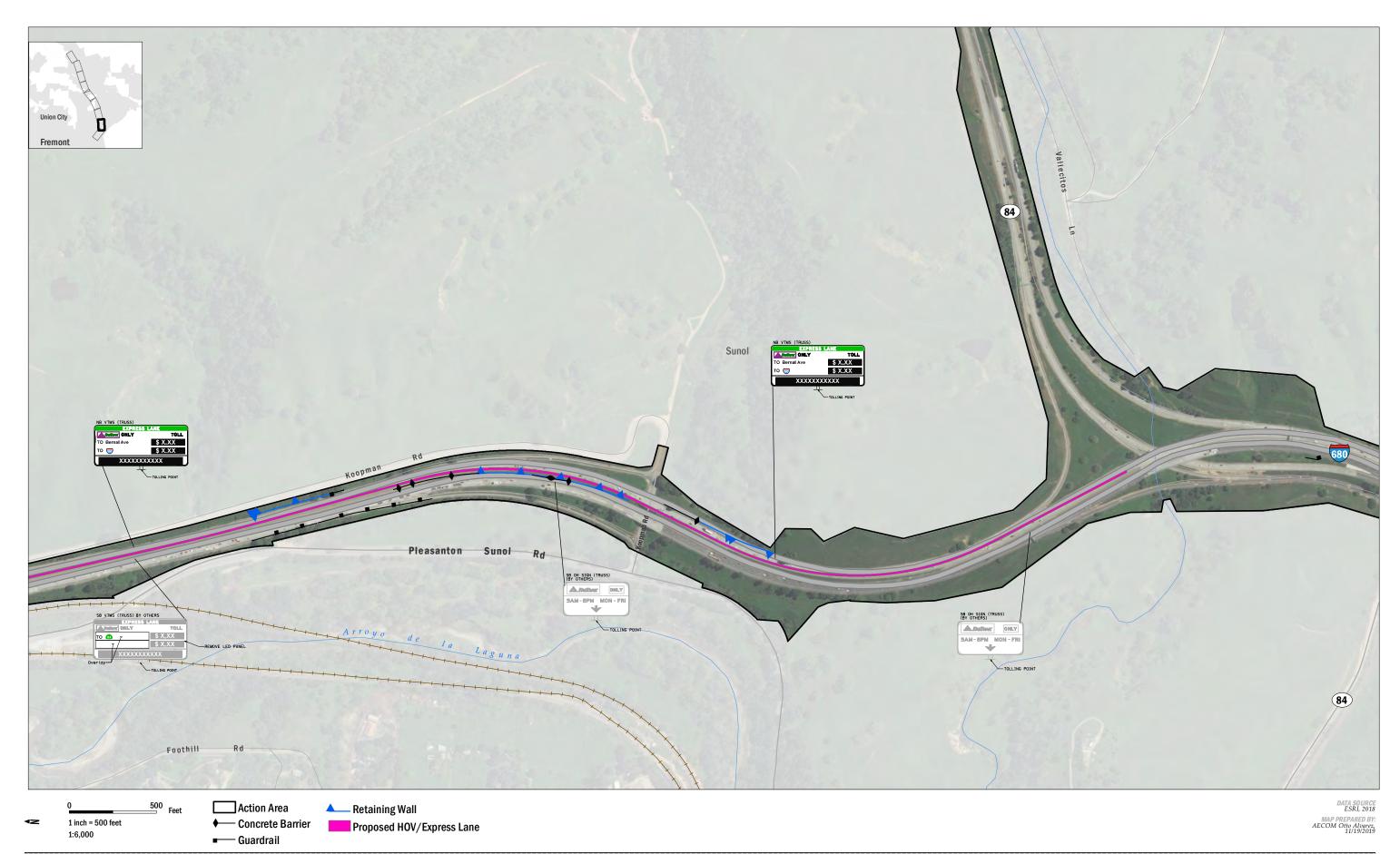
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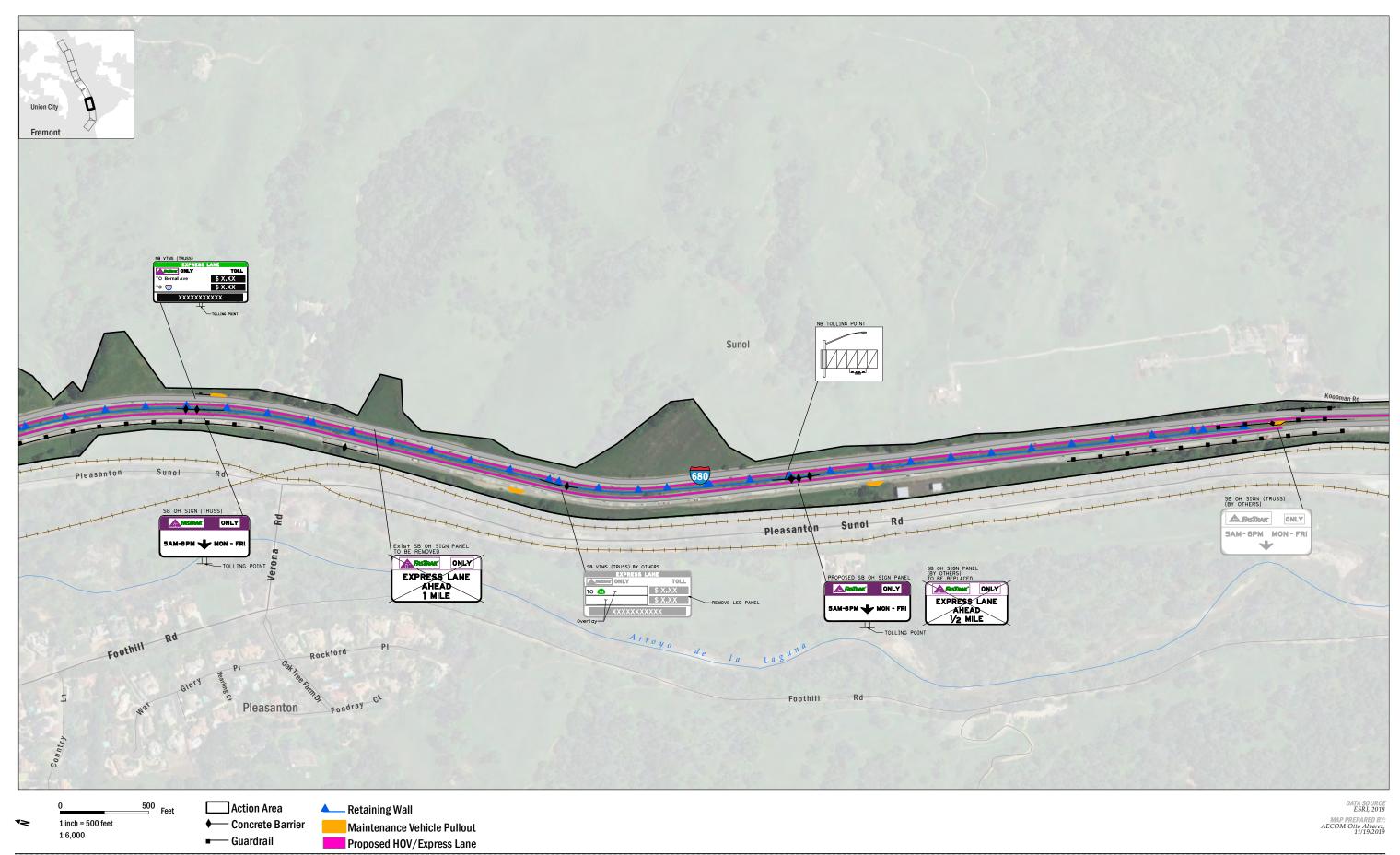
BORDER LAST REVISED 7/2/2010

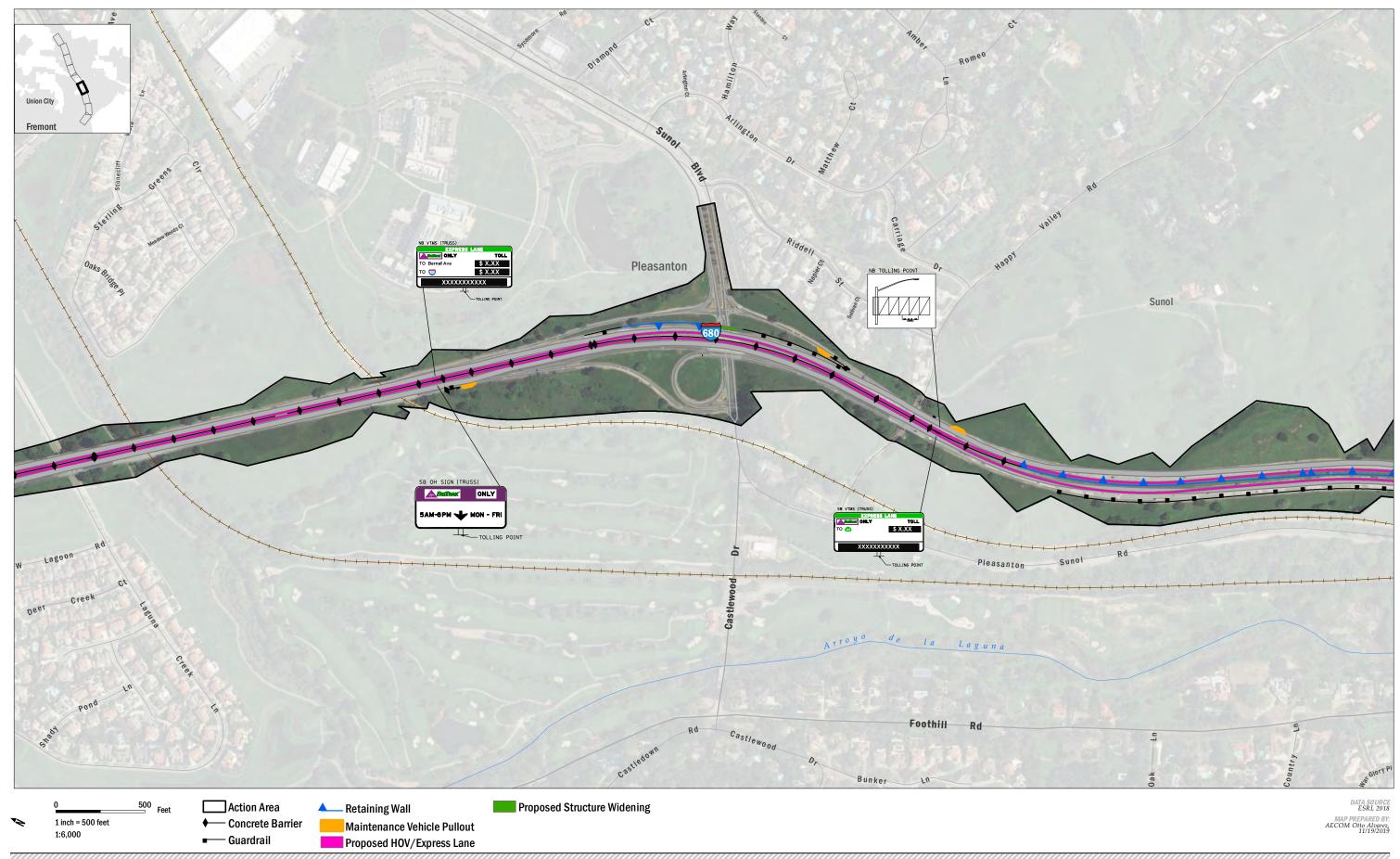
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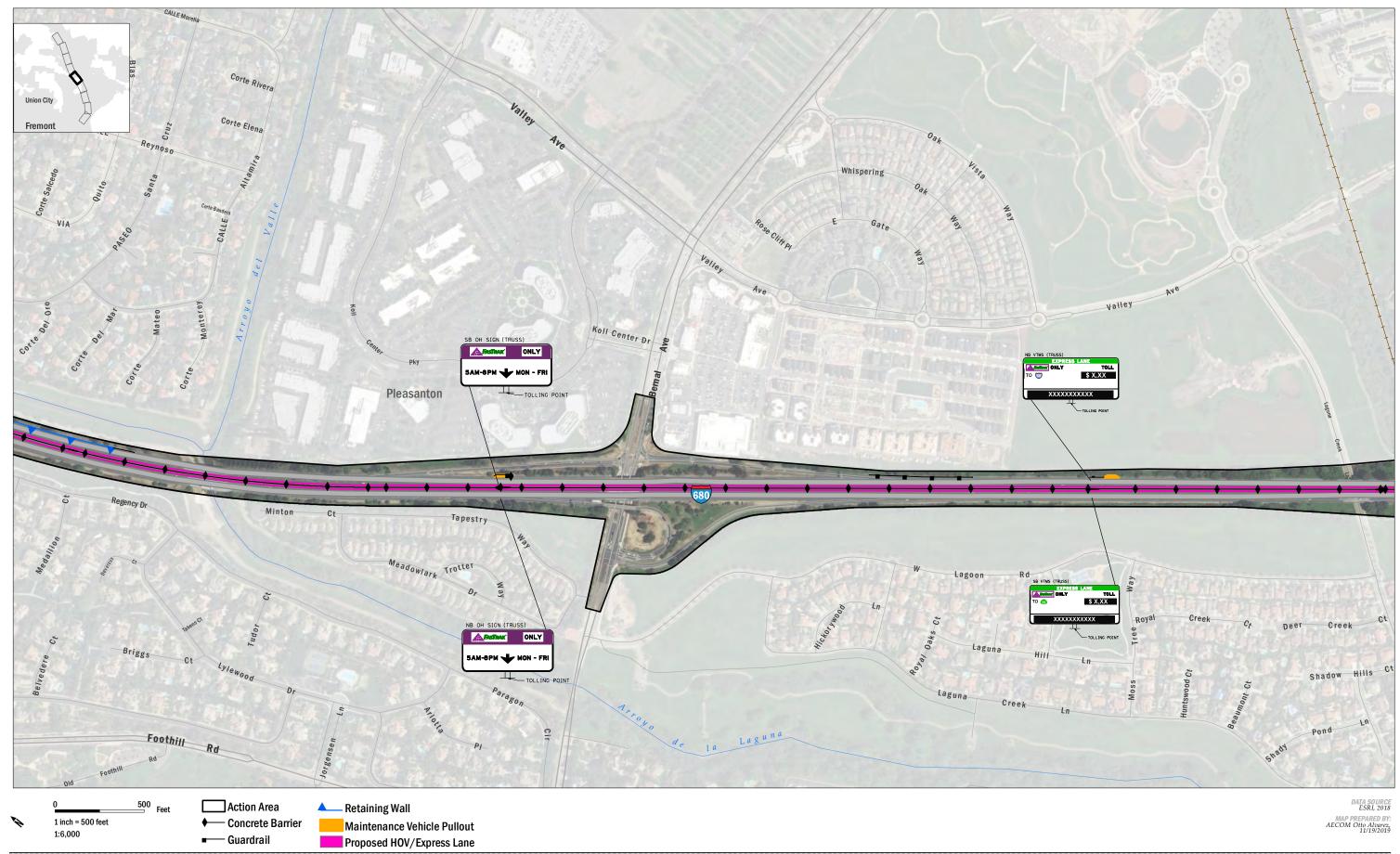
UNIT 0000





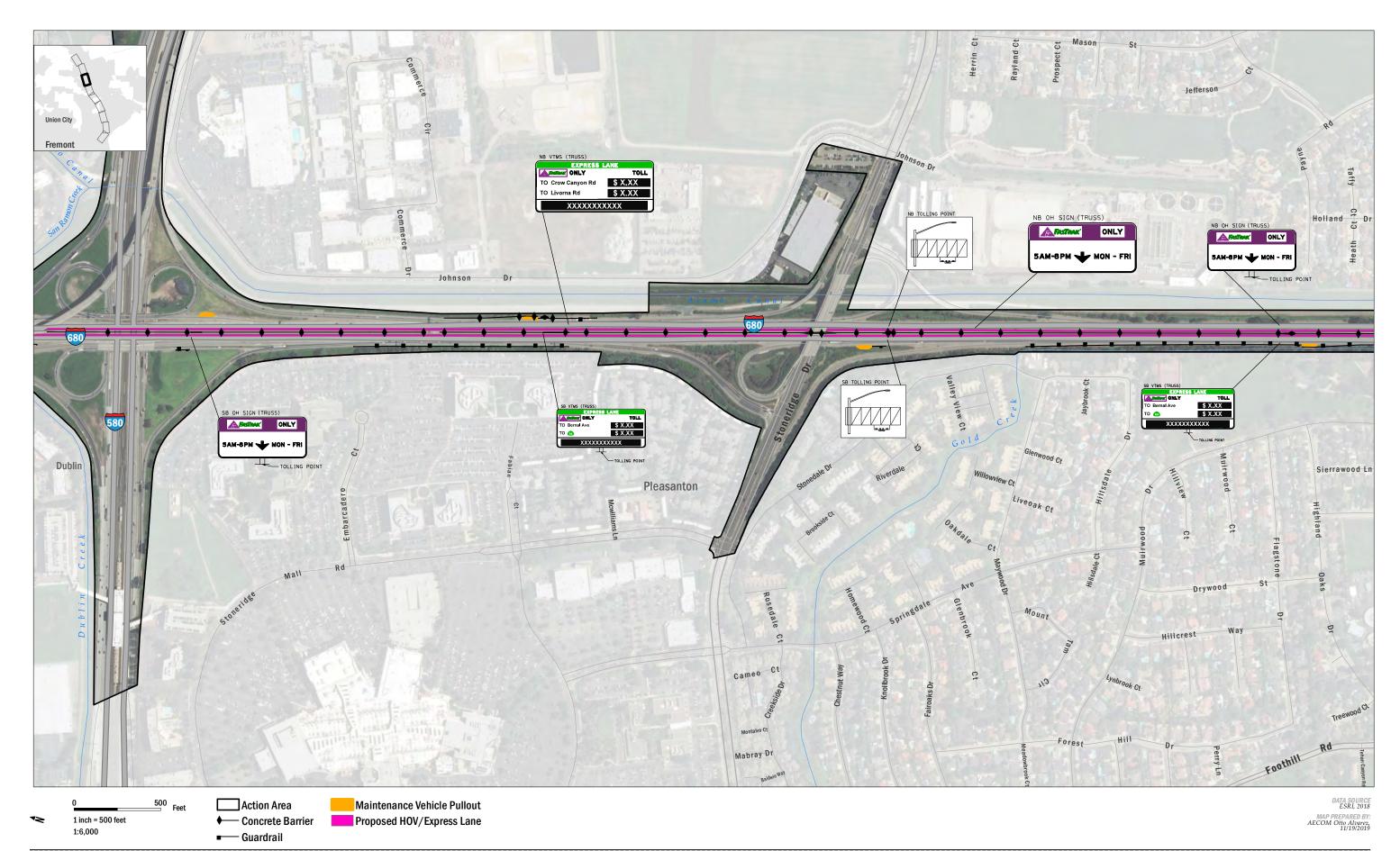


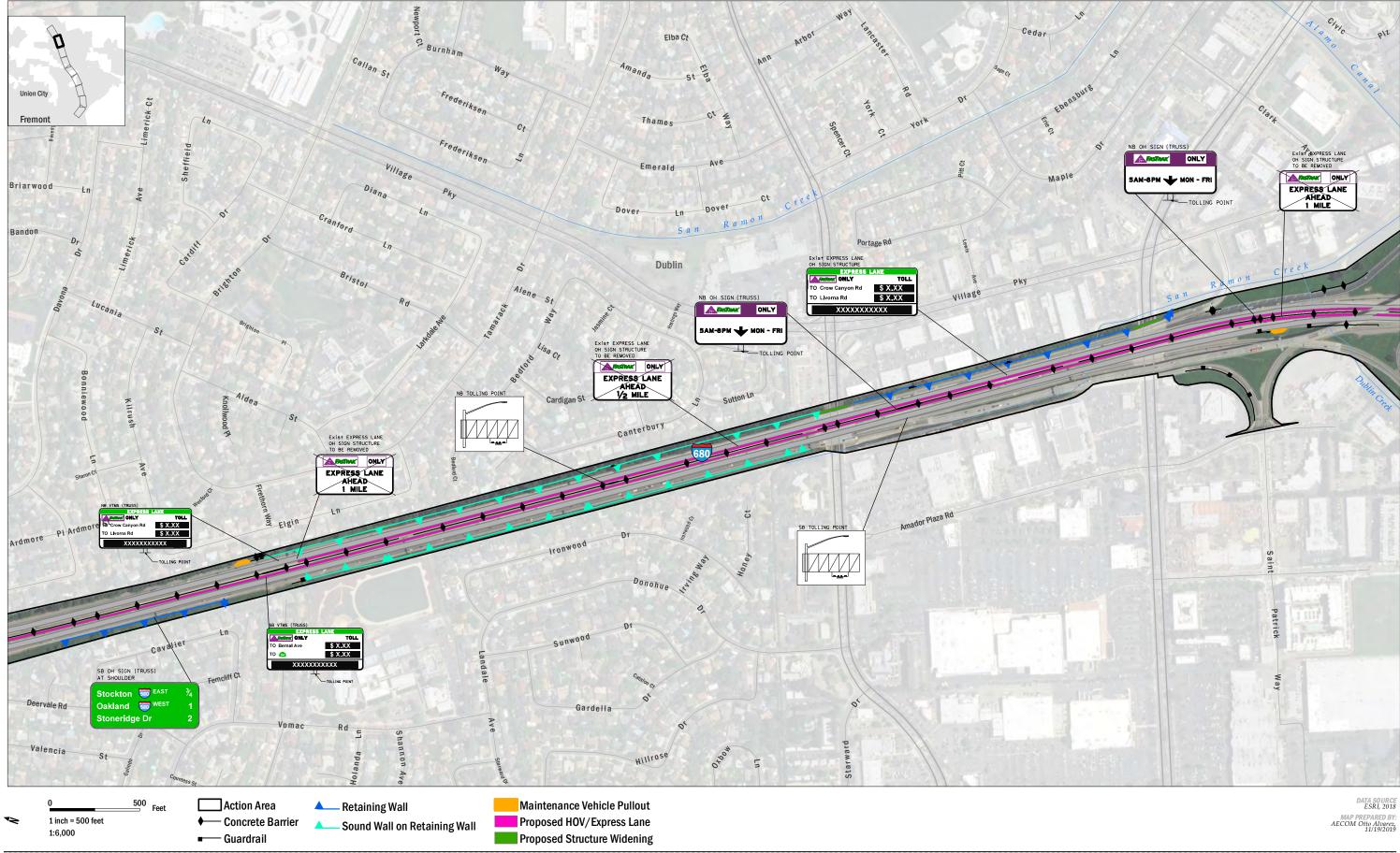


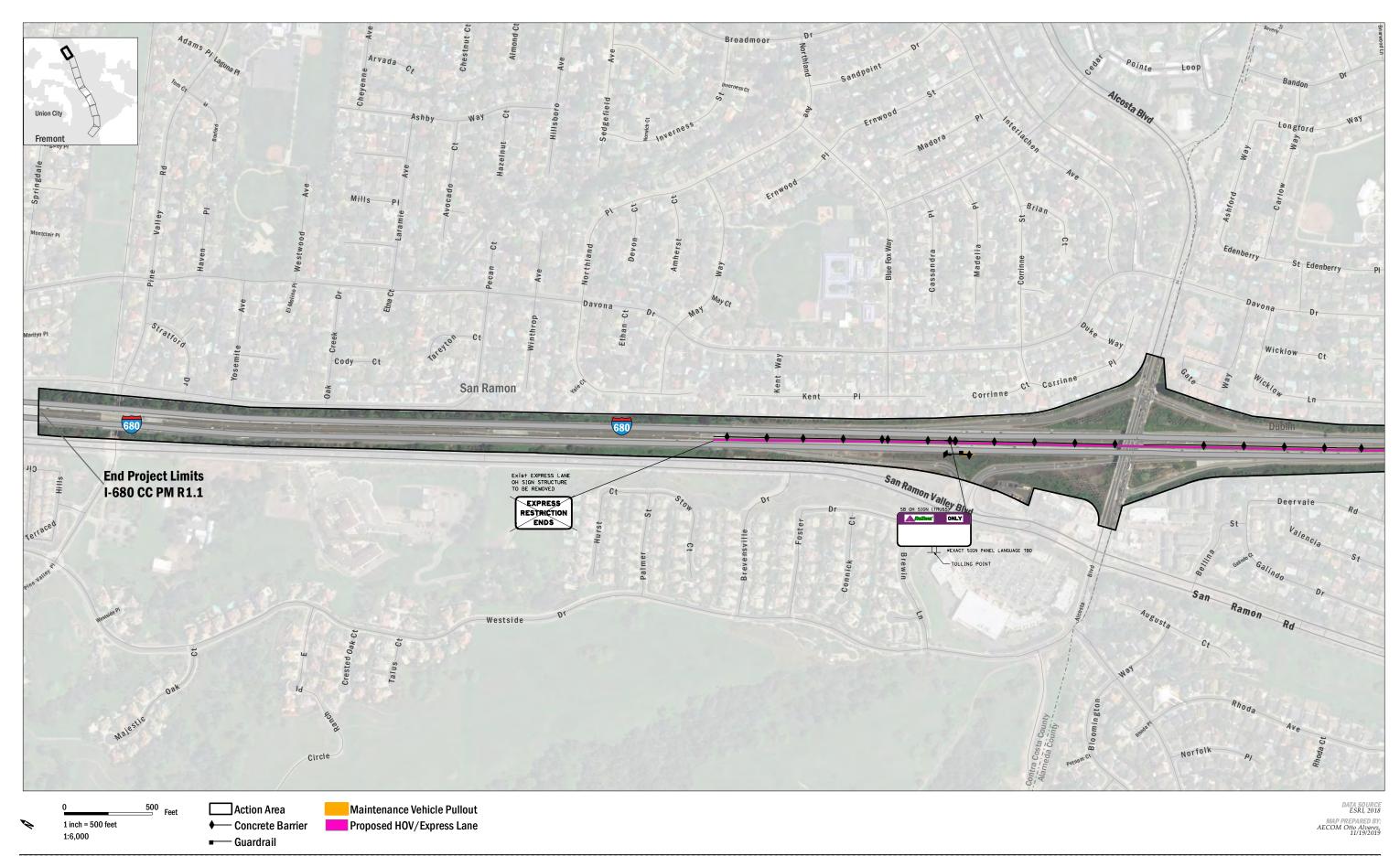


I-680 Express Lanes from State Route 84 to Alcosta Boulevard
Alameda and Contra Costa Counties



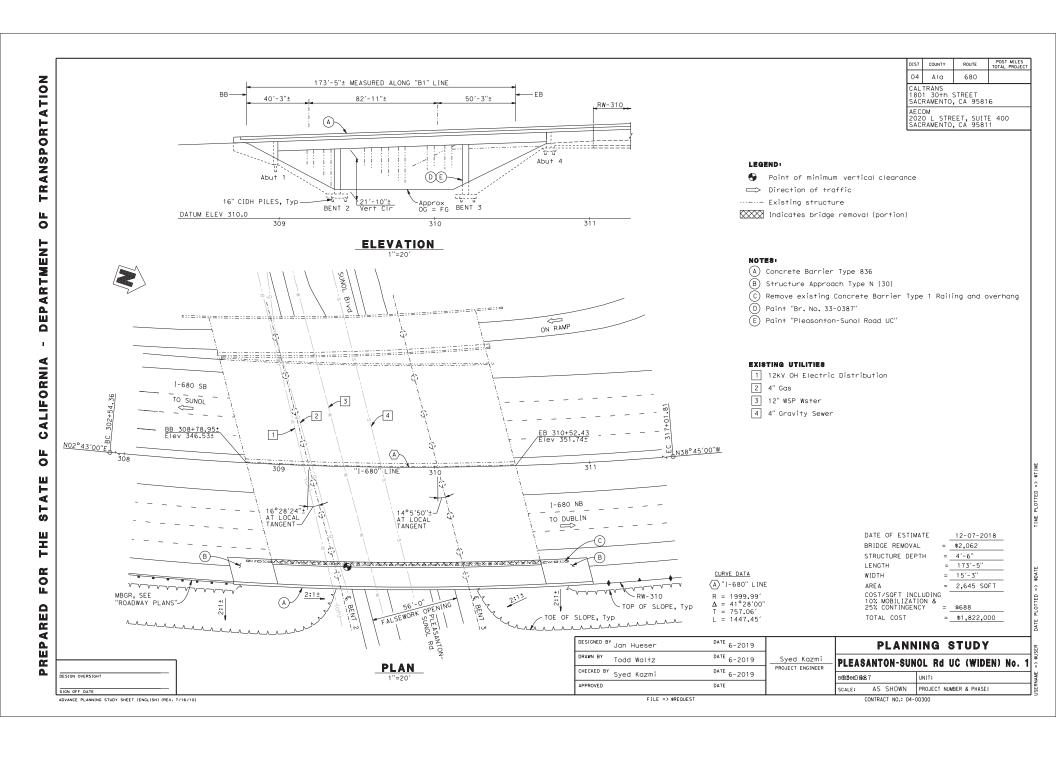


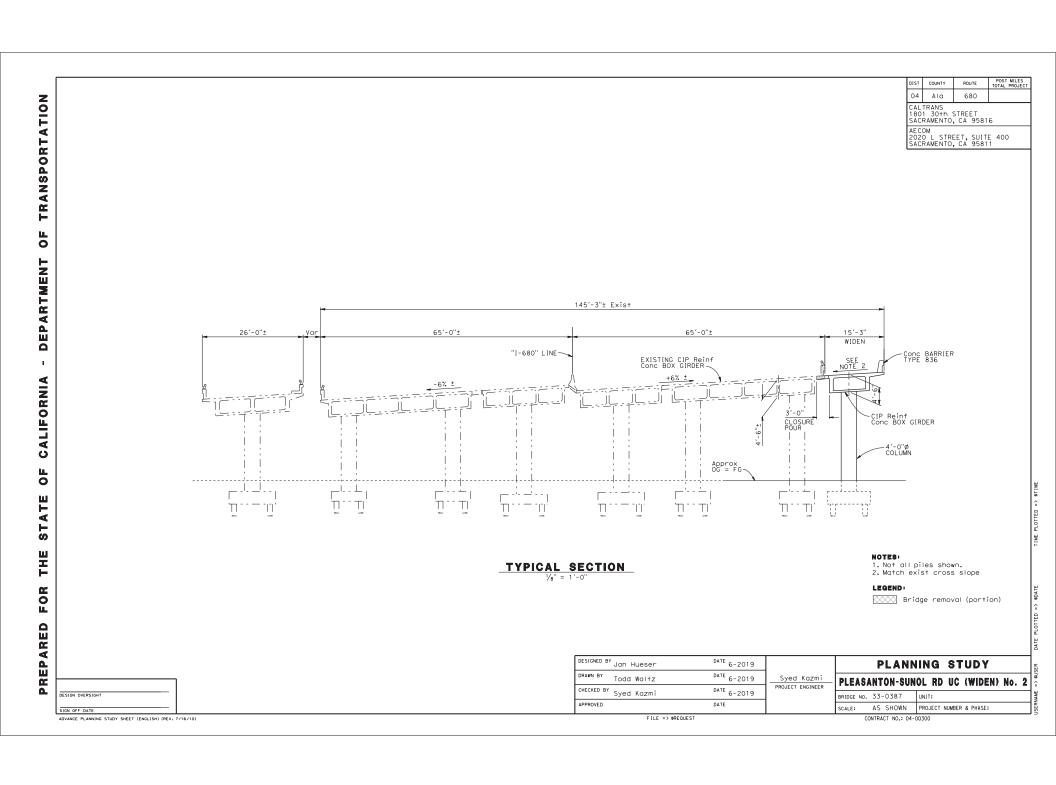


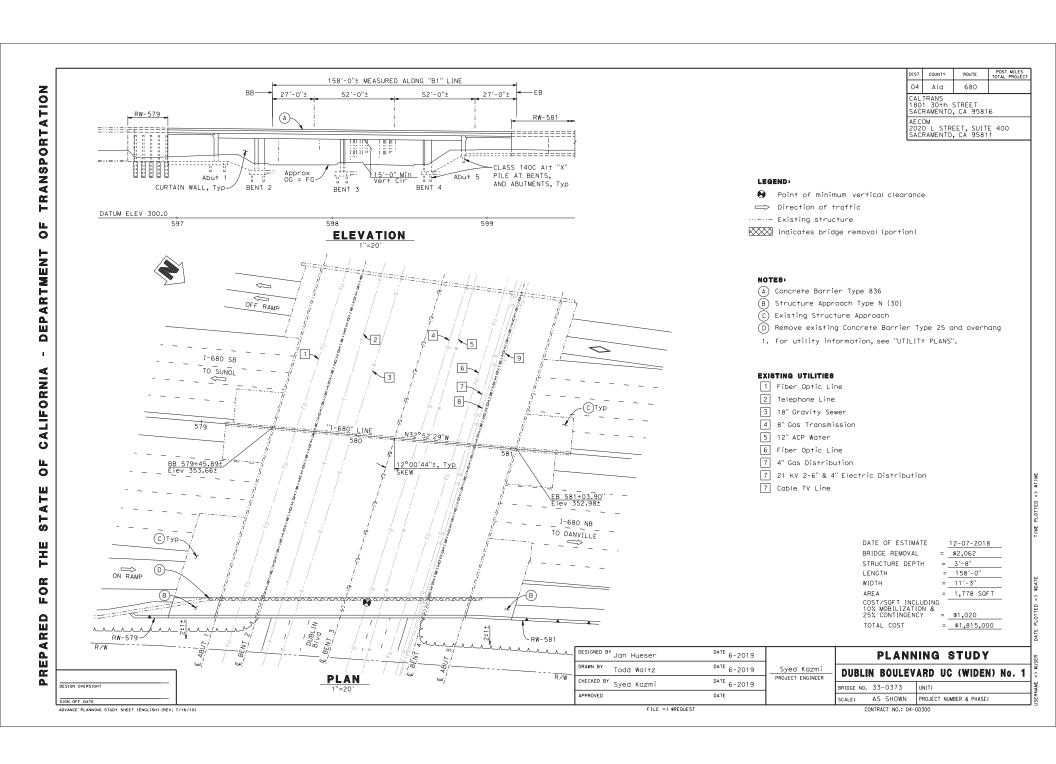


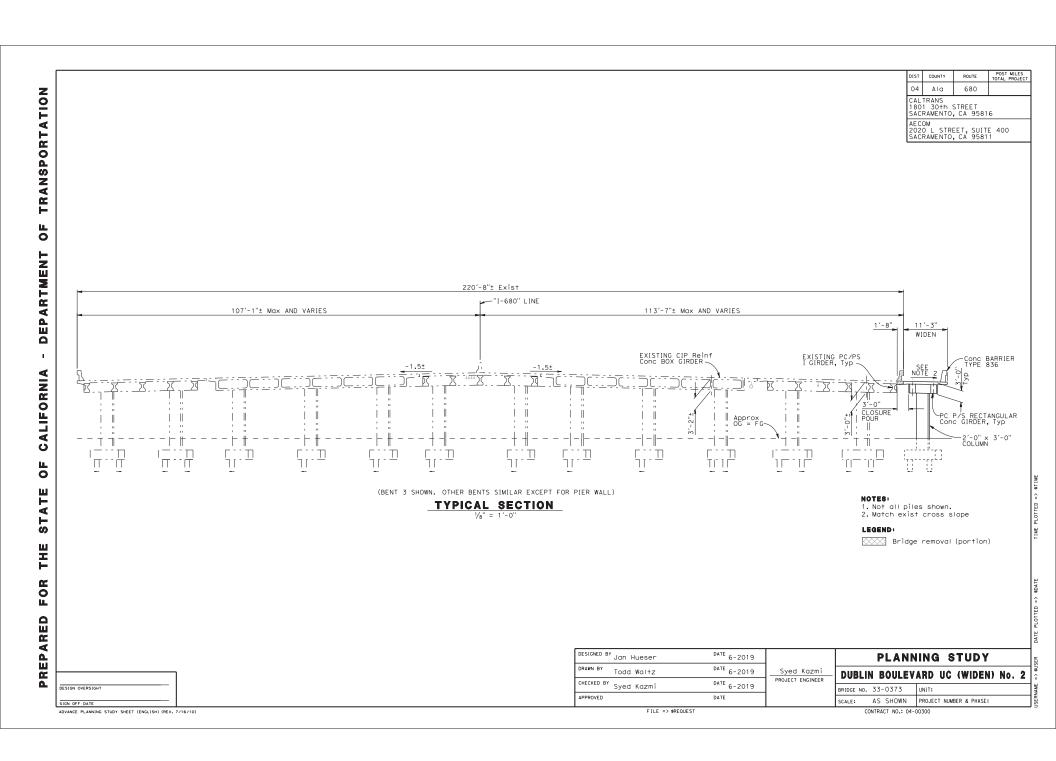
Attachment - C

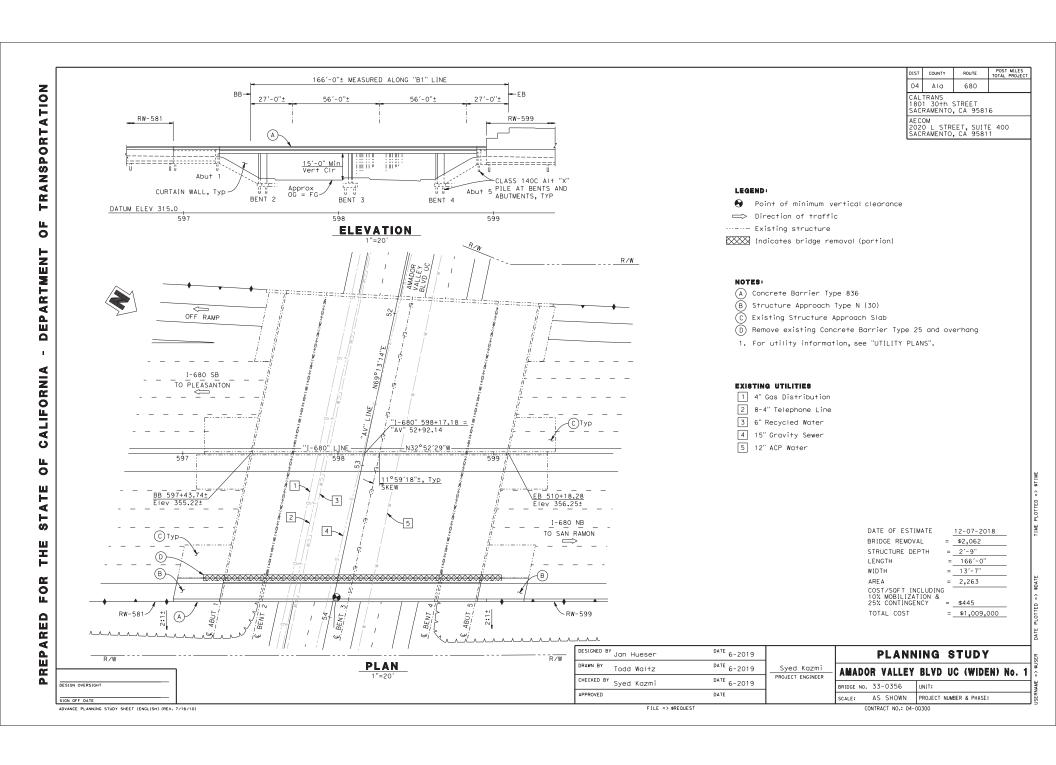
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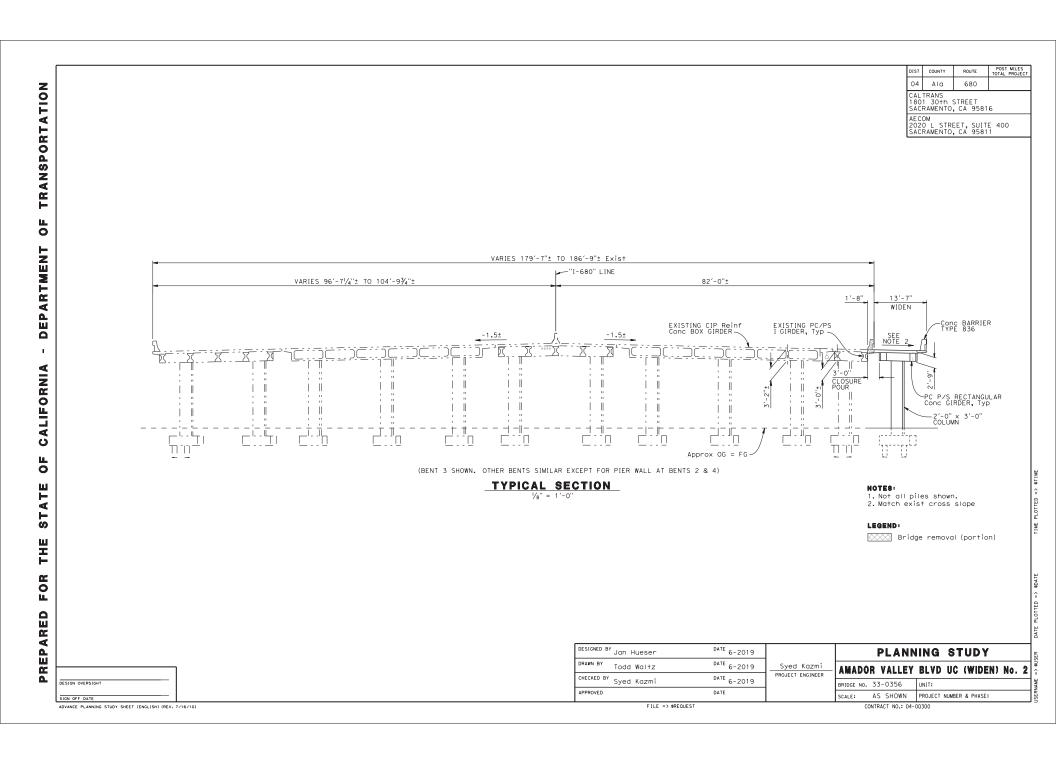


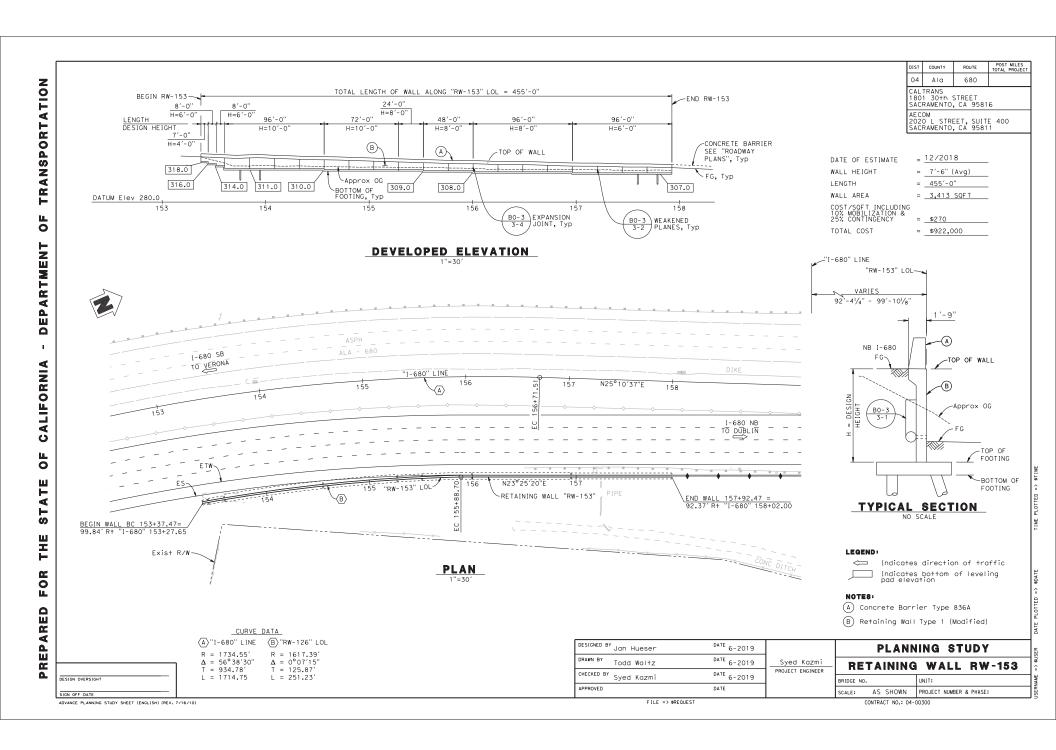


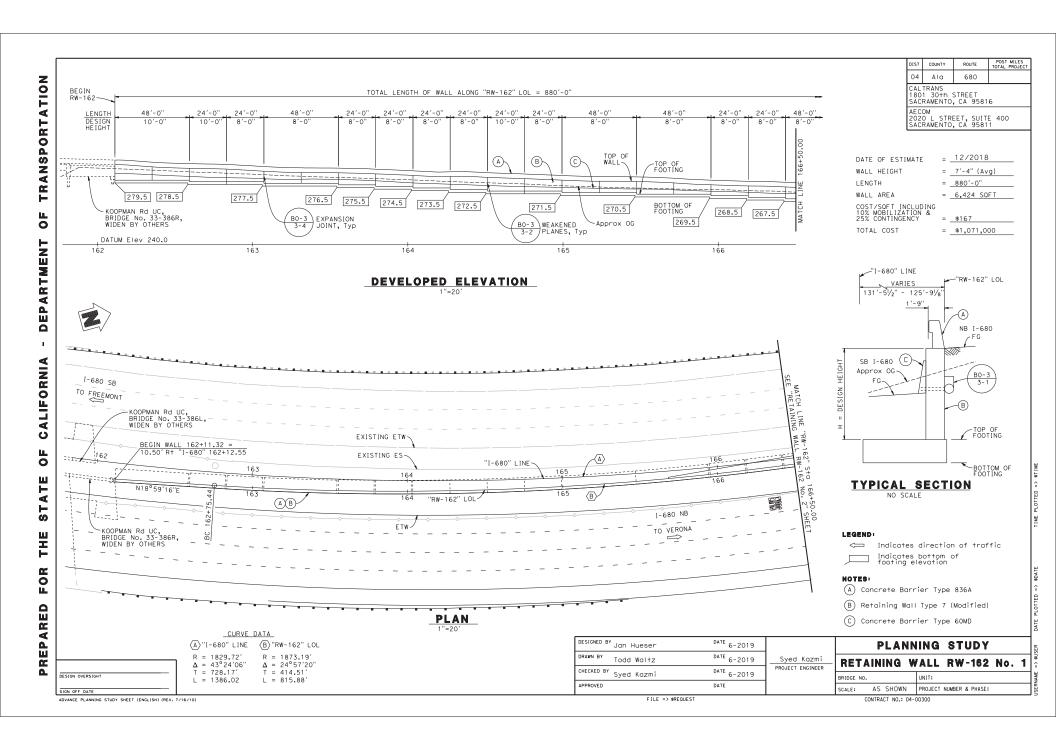


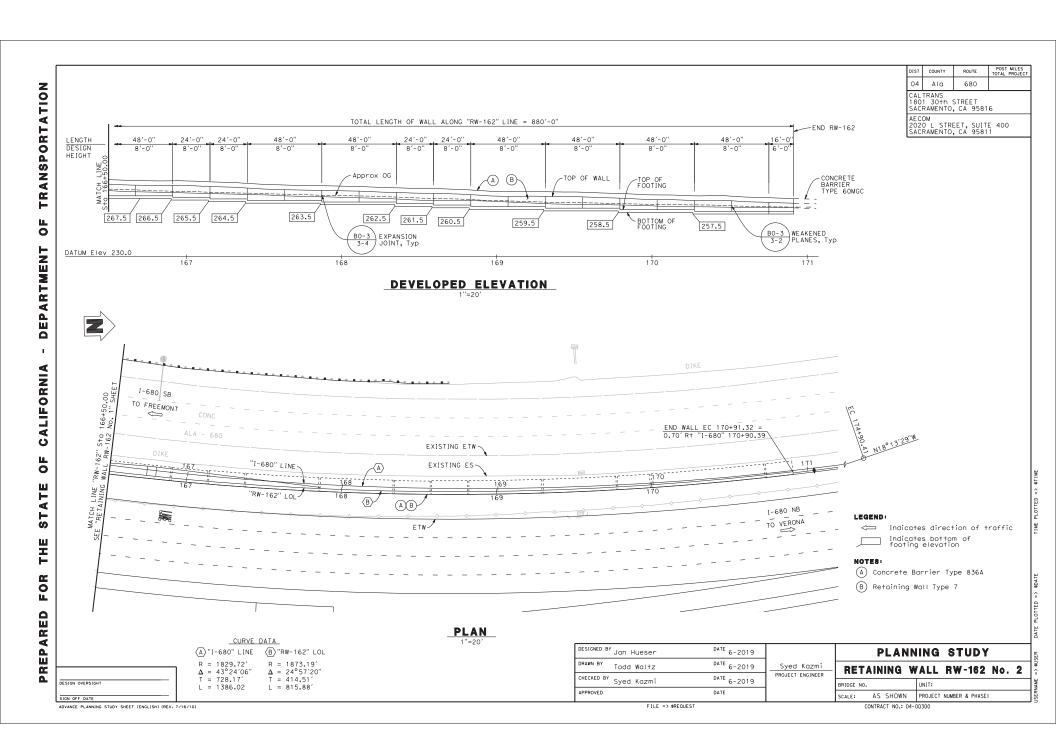


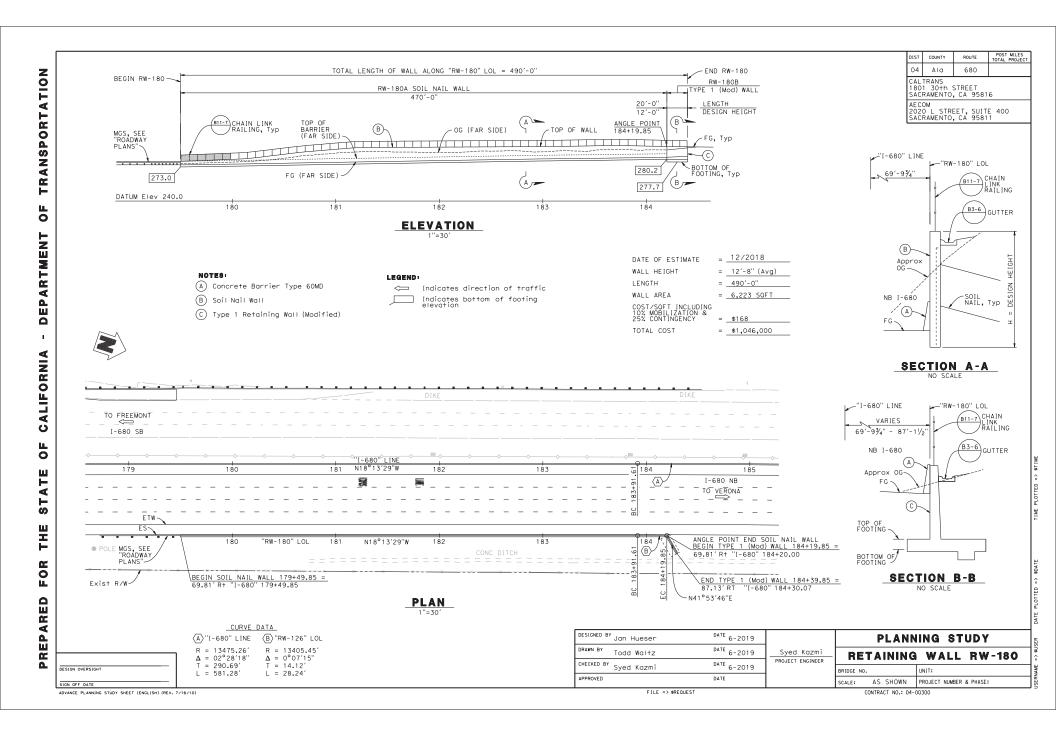


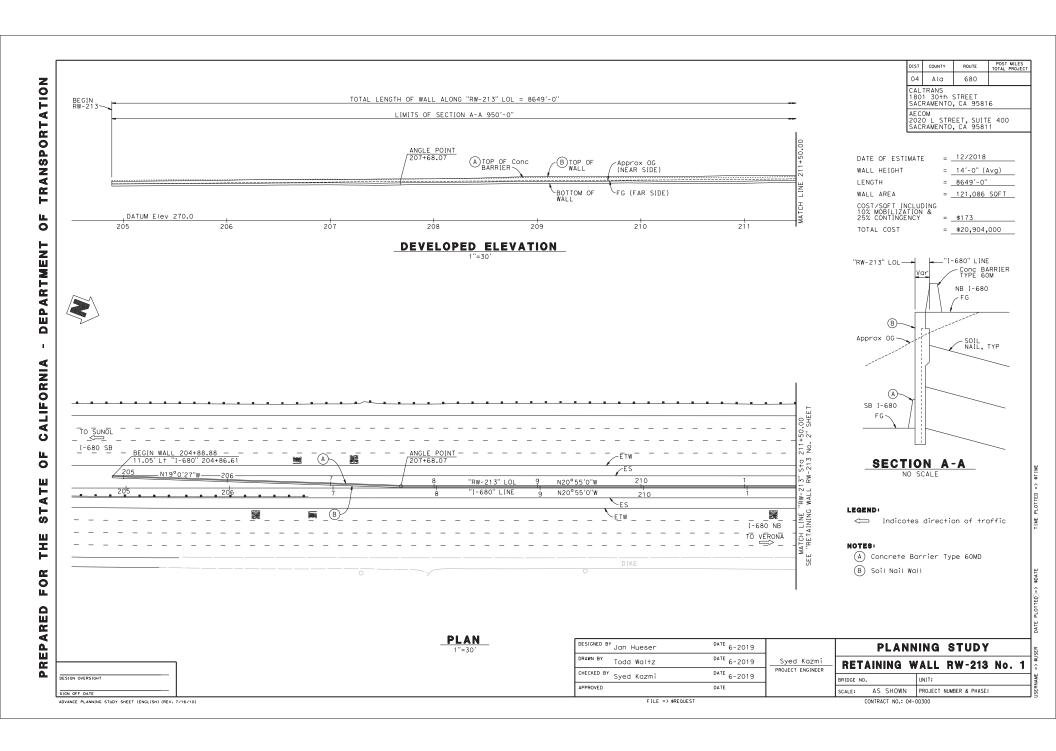


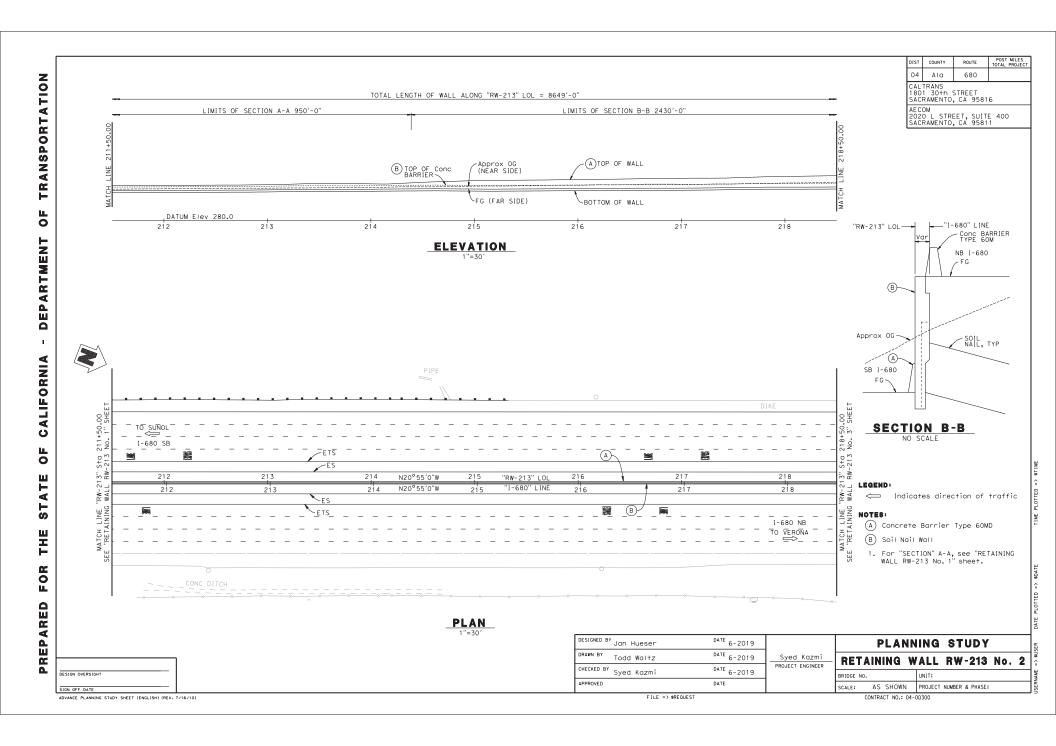


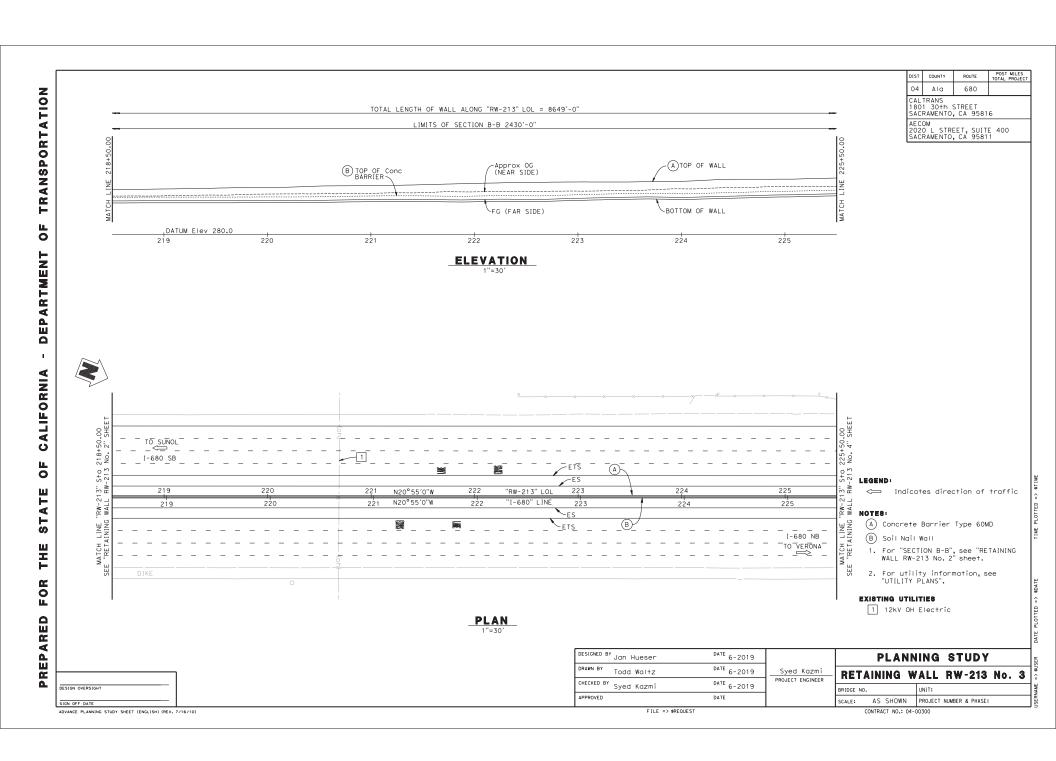


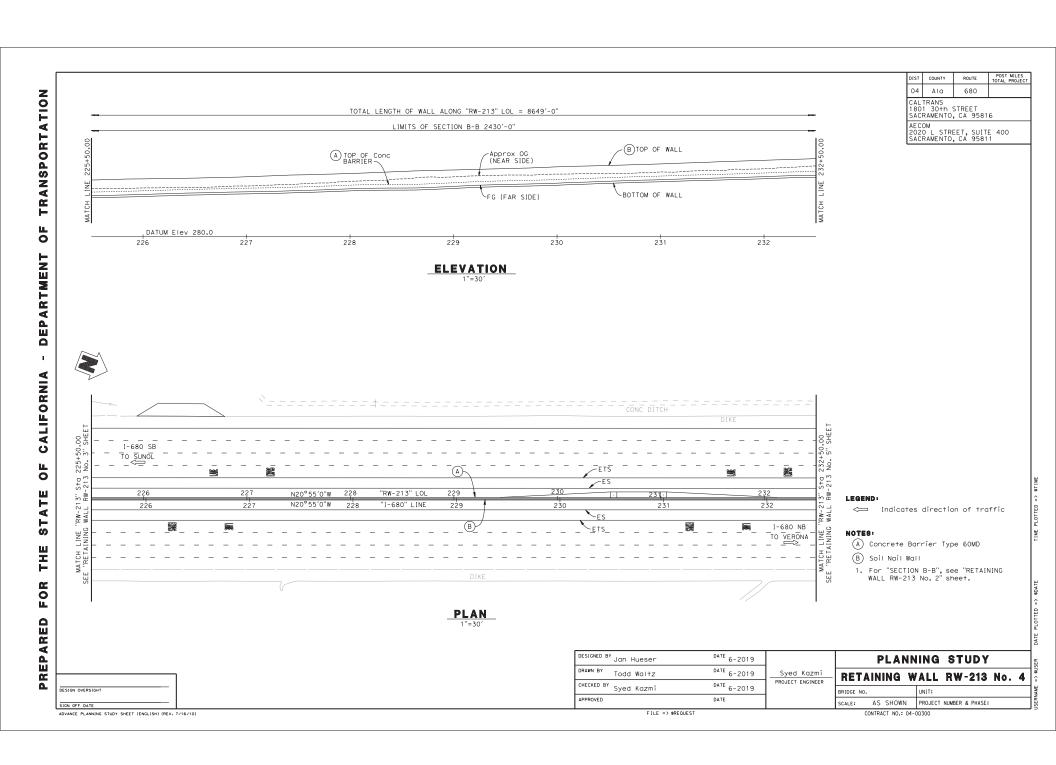


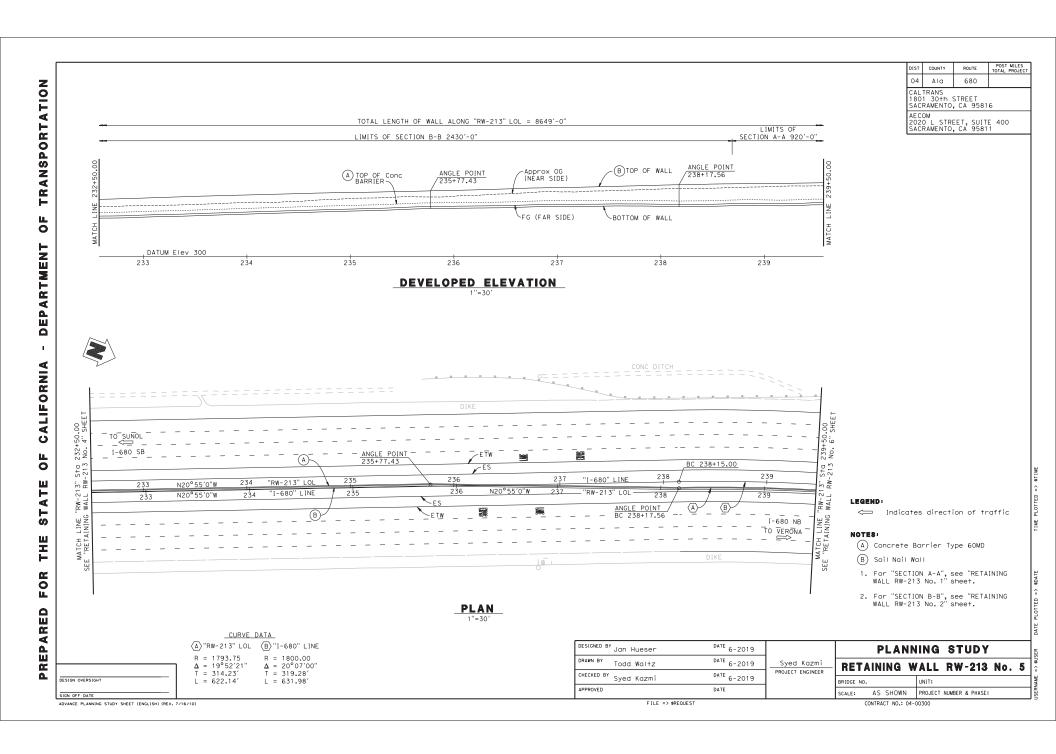


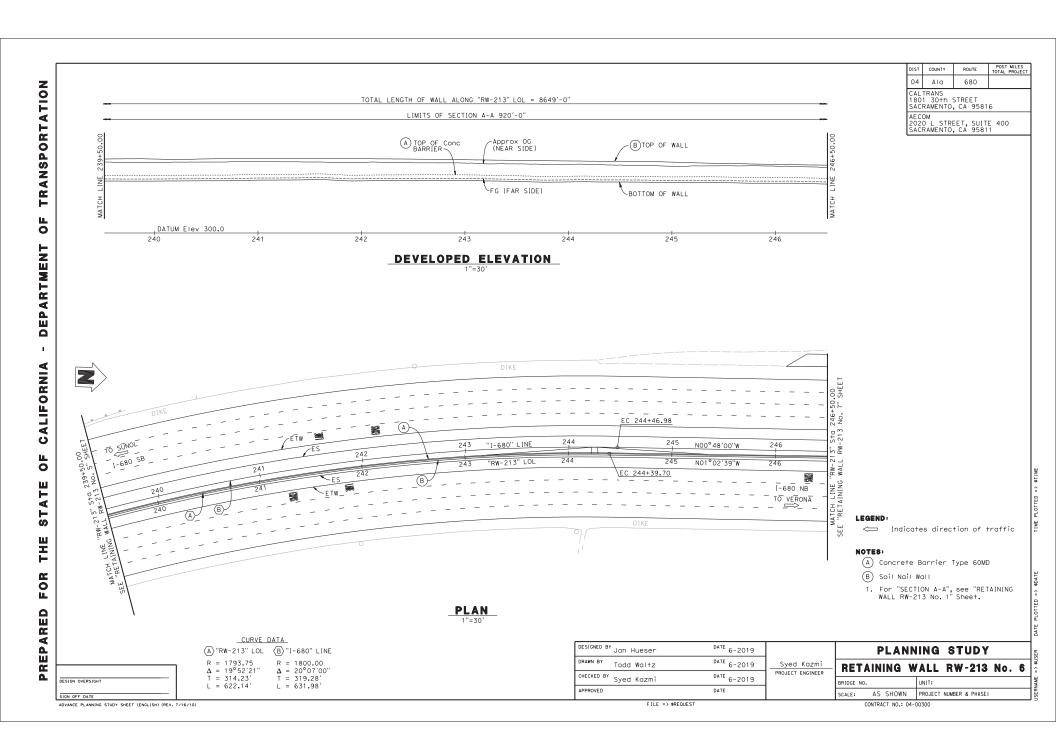


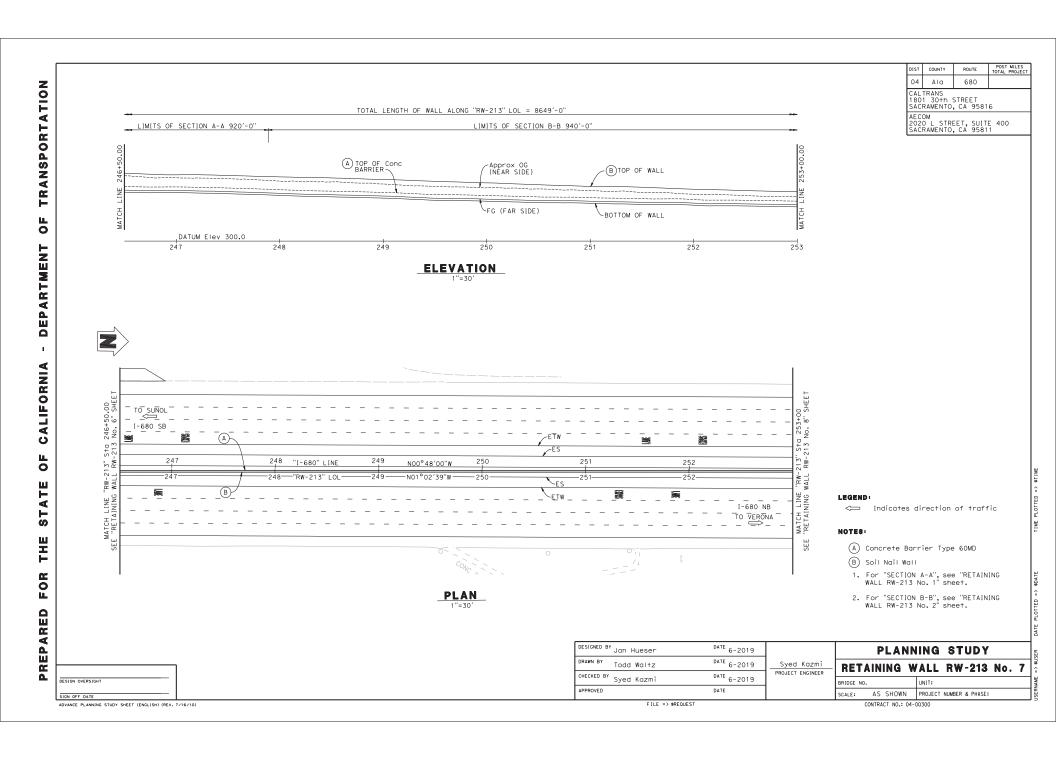


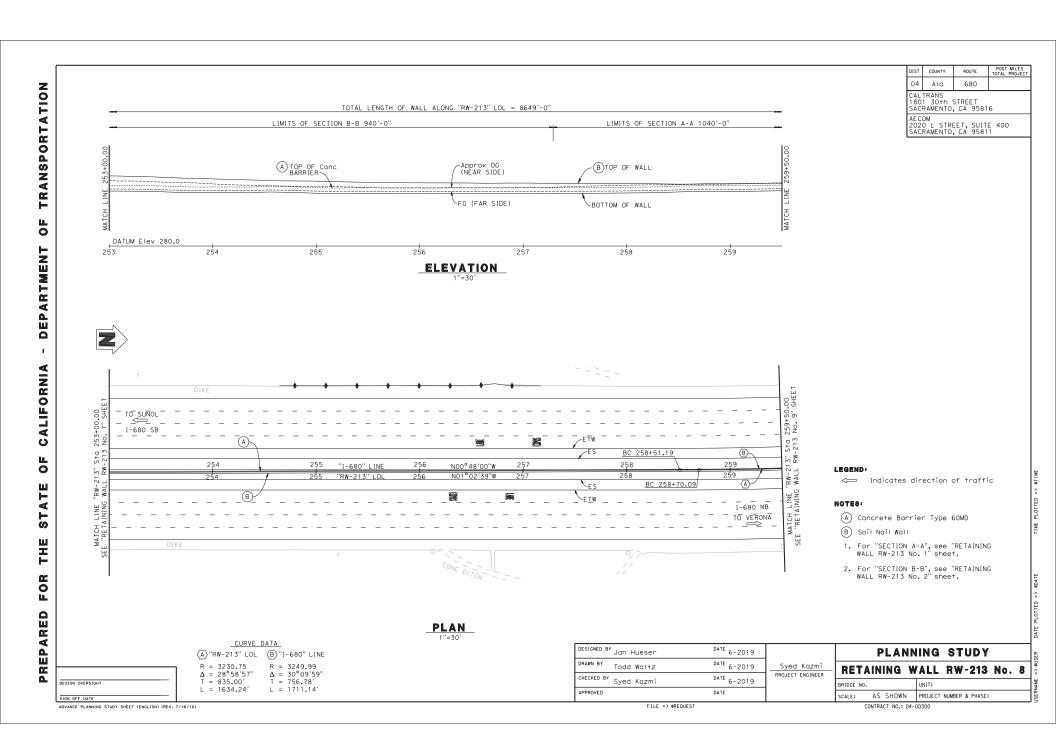


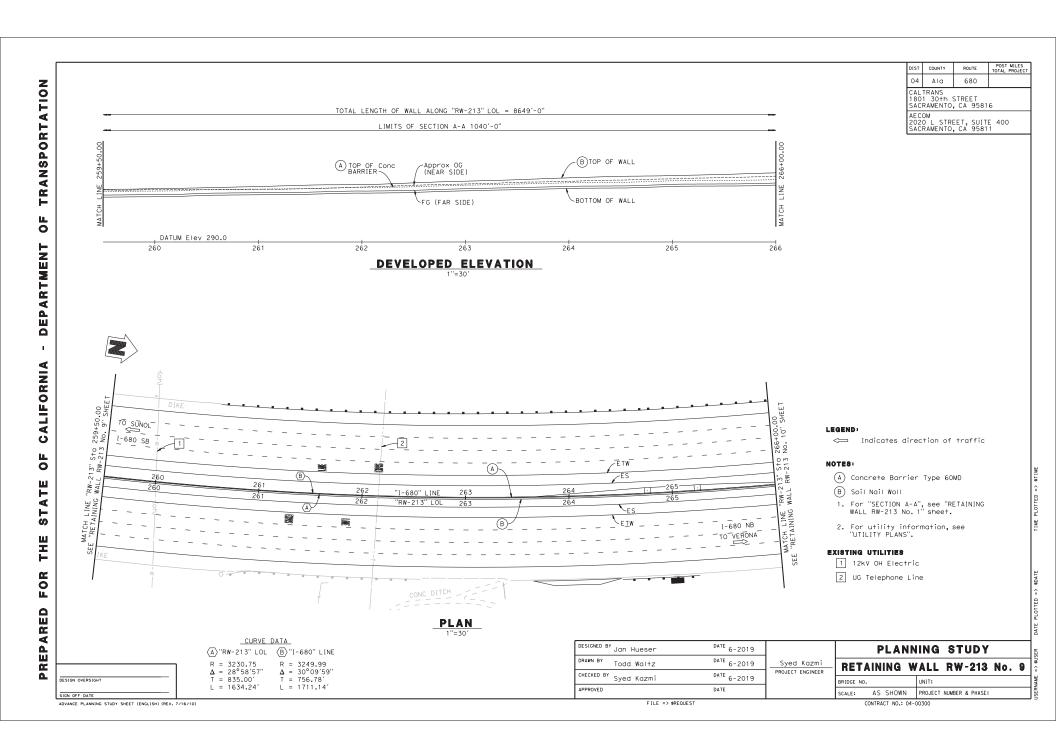


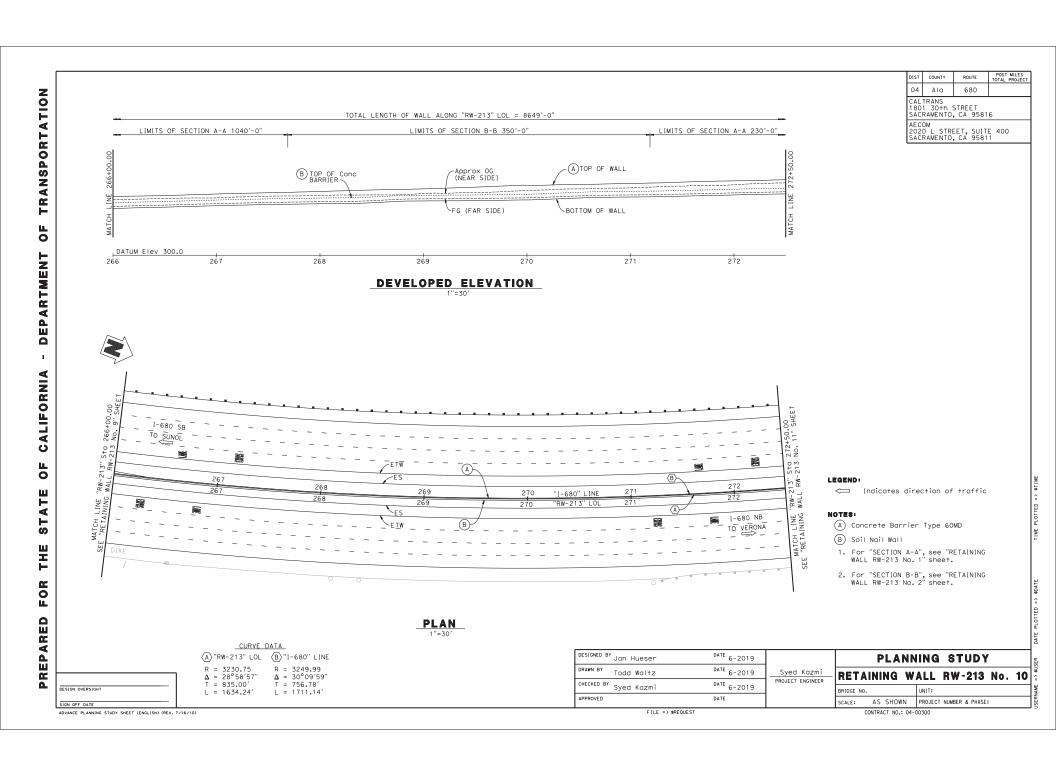


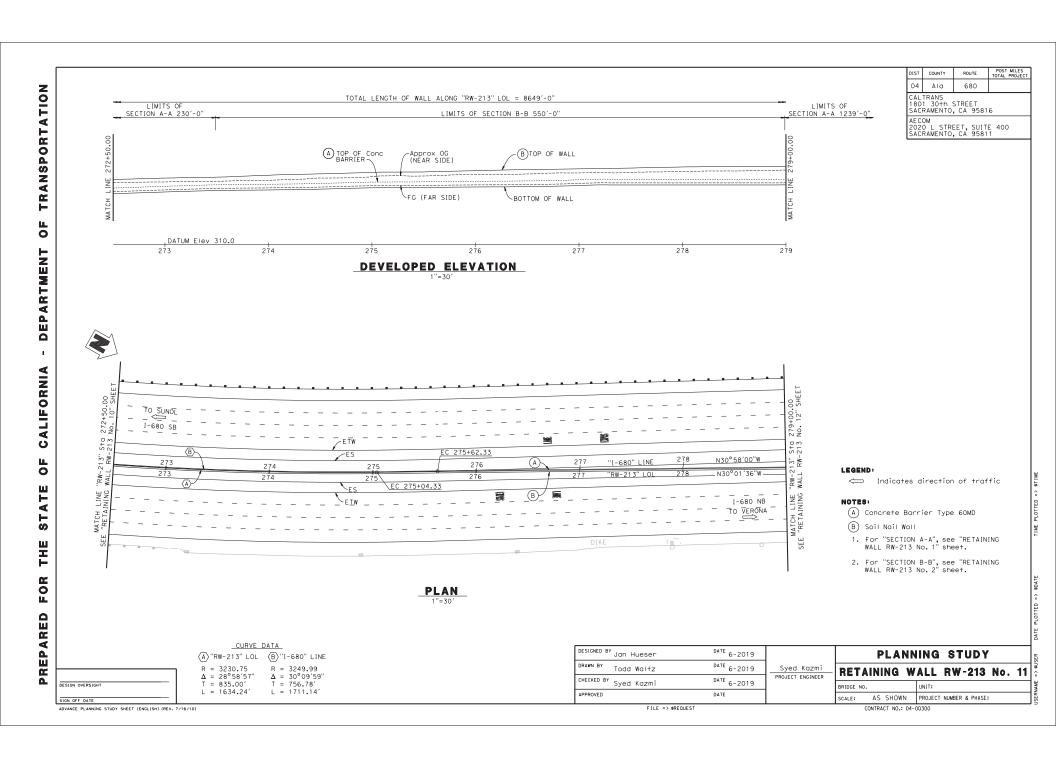


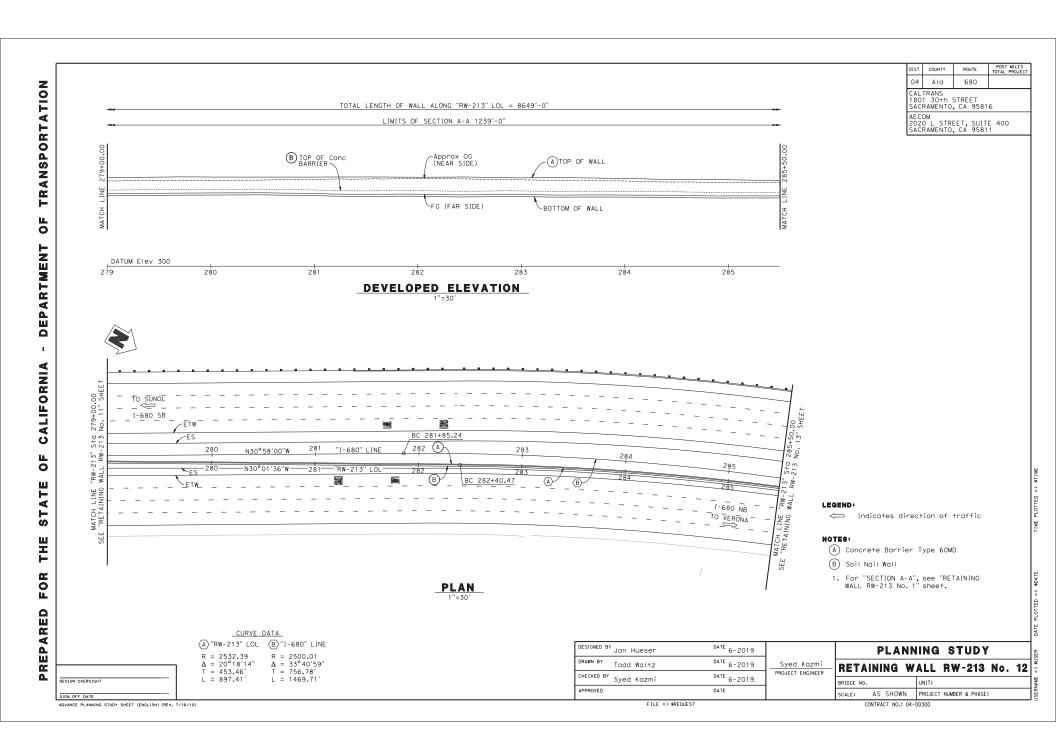


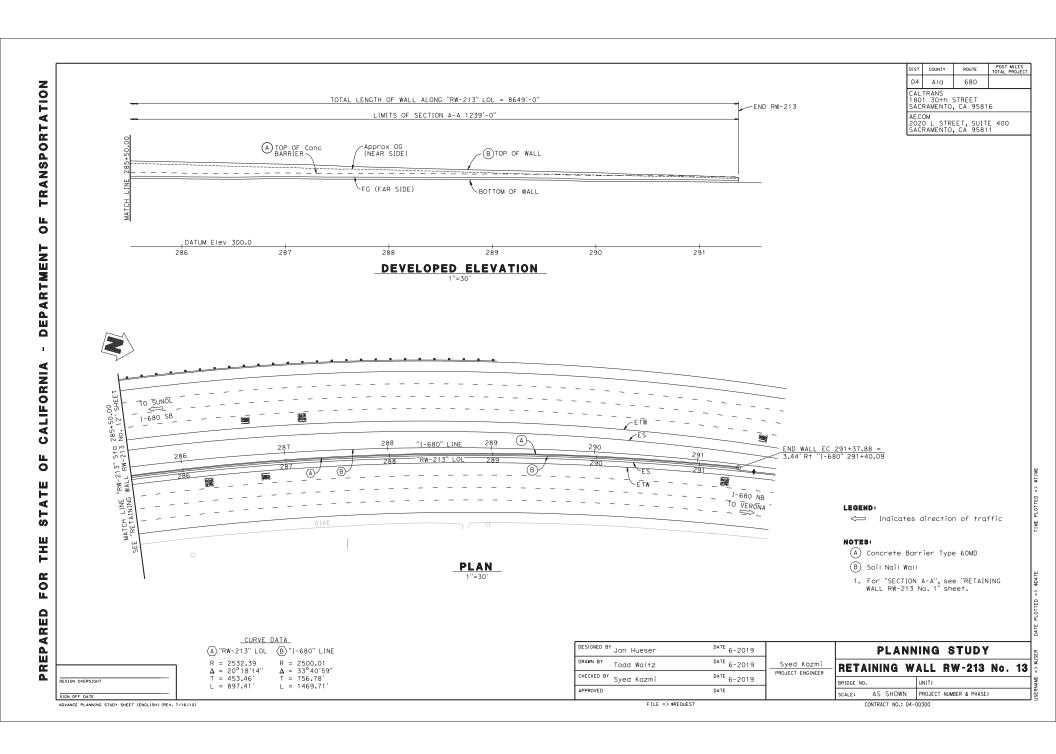


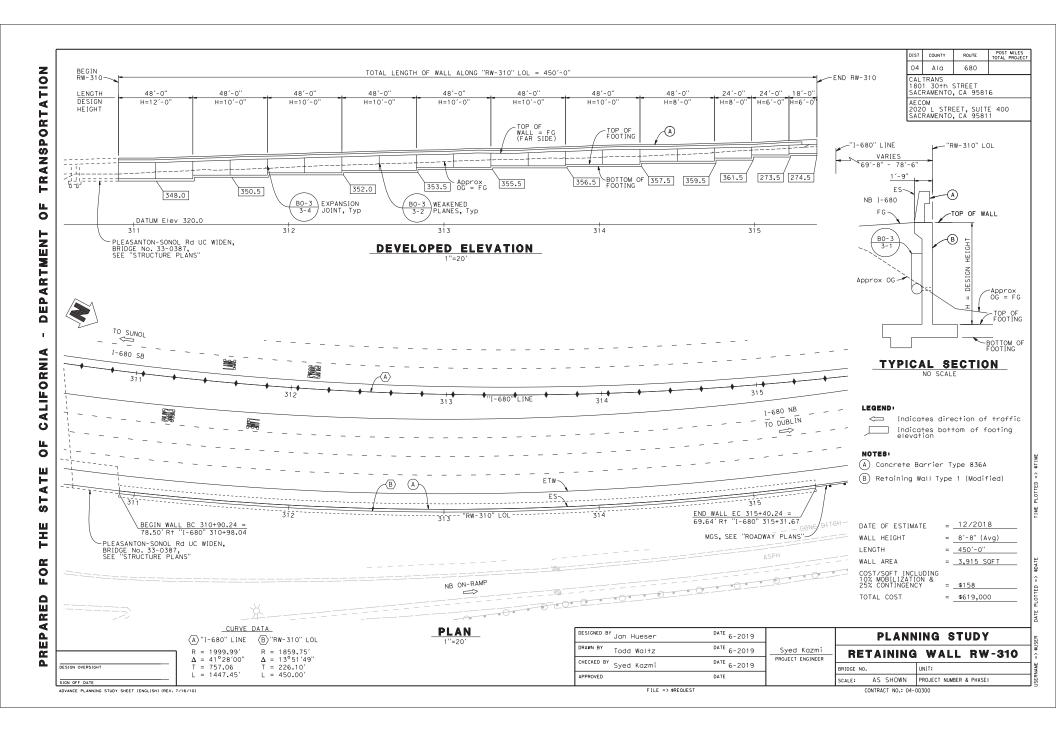


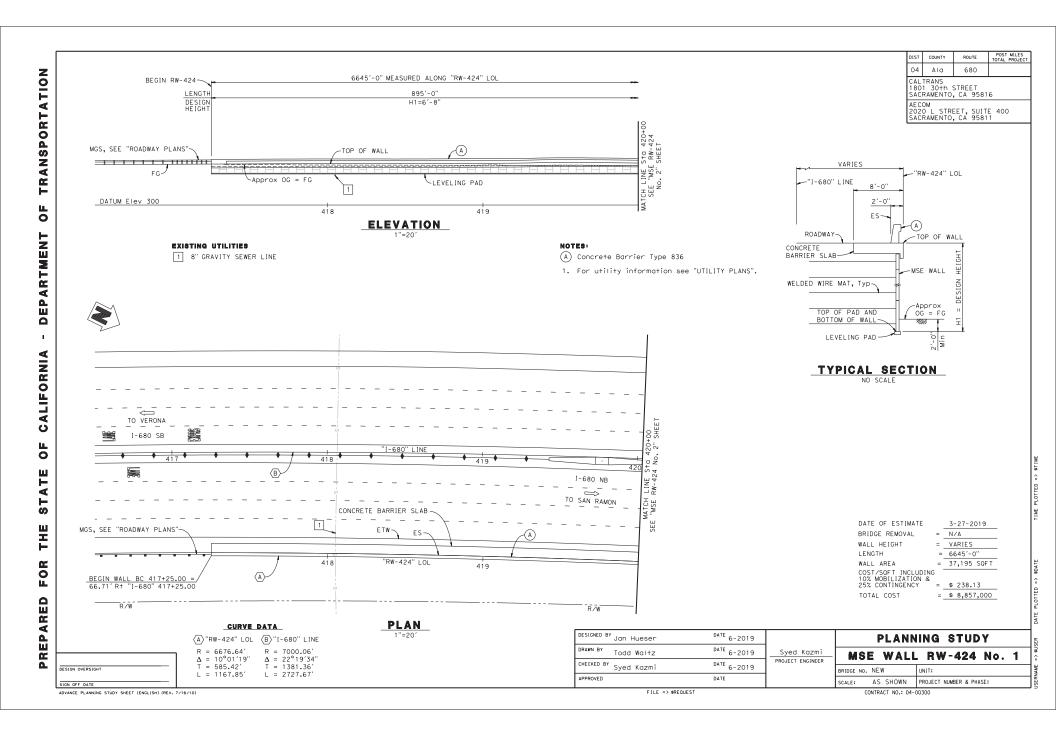


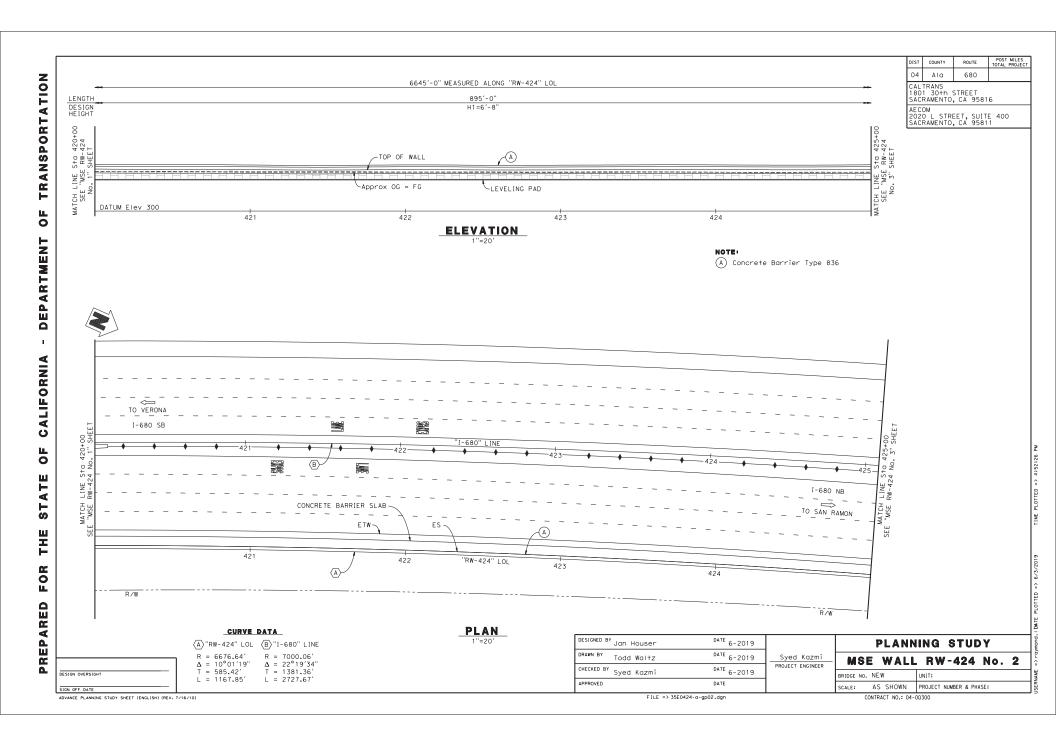


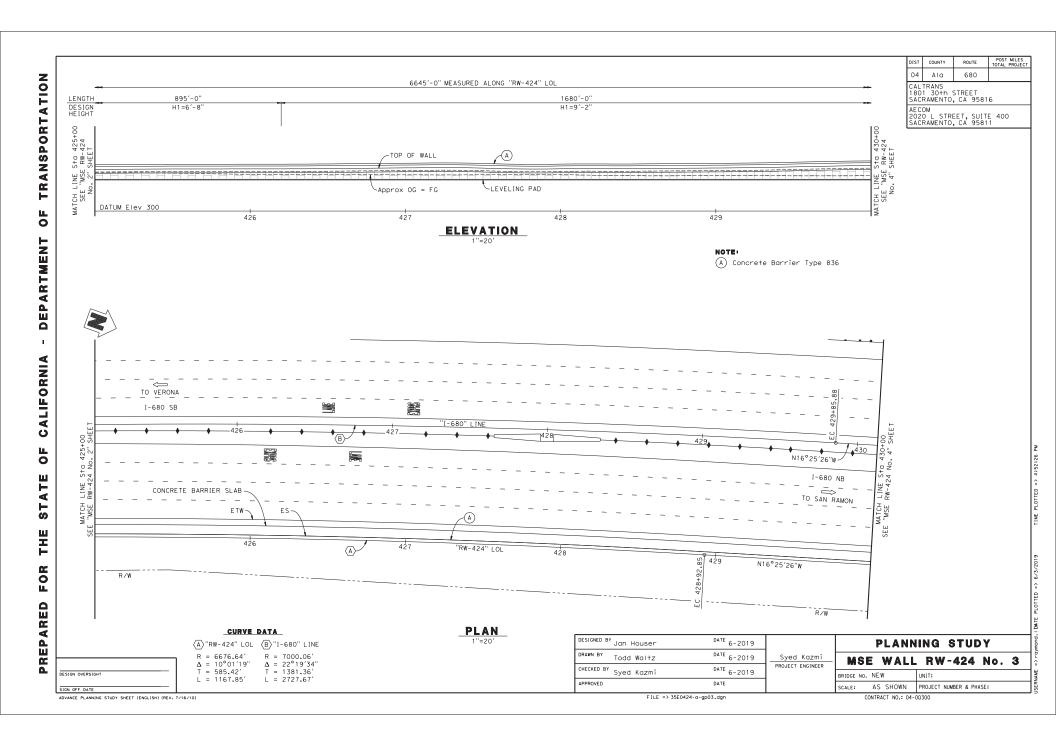


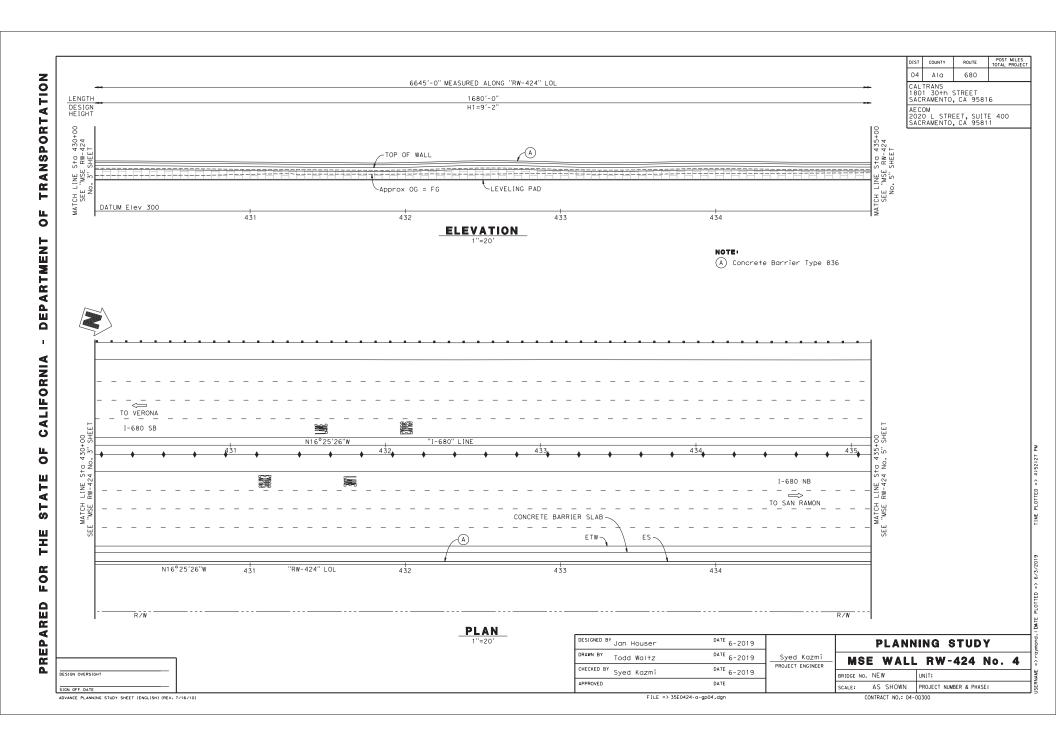


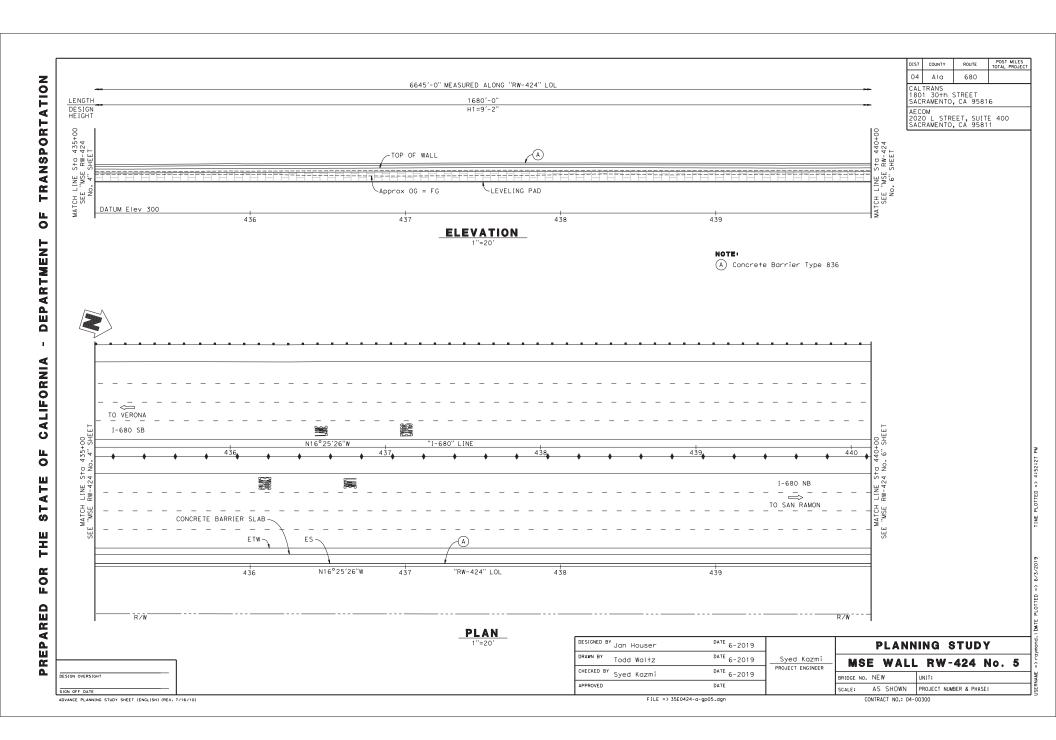


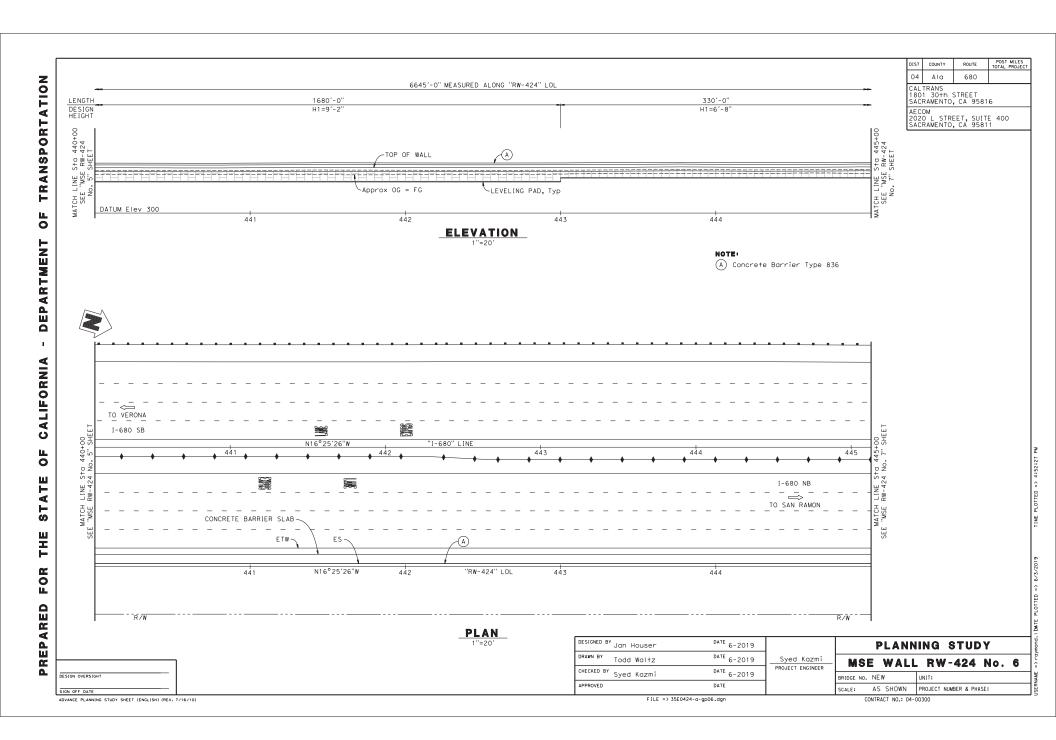


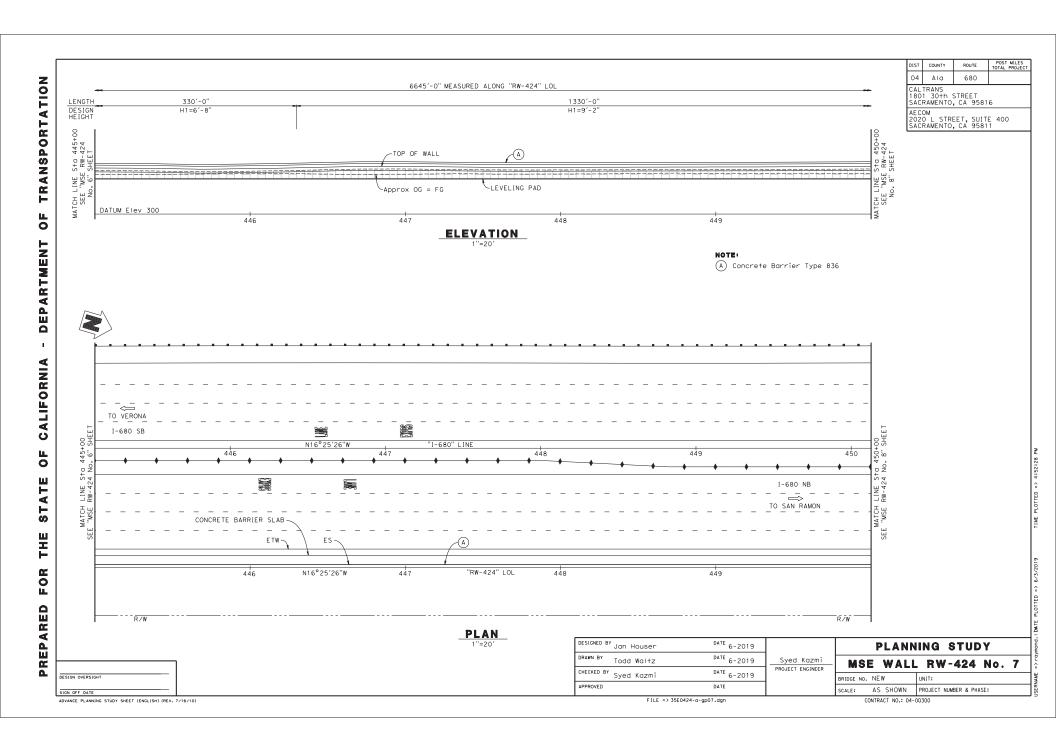


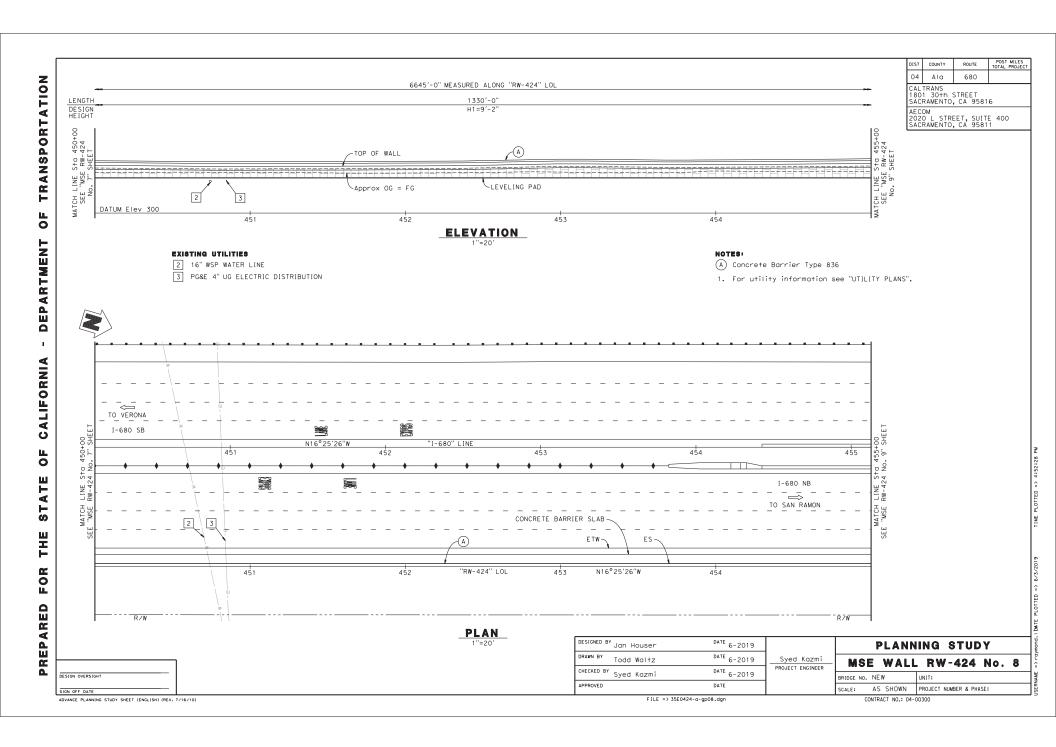


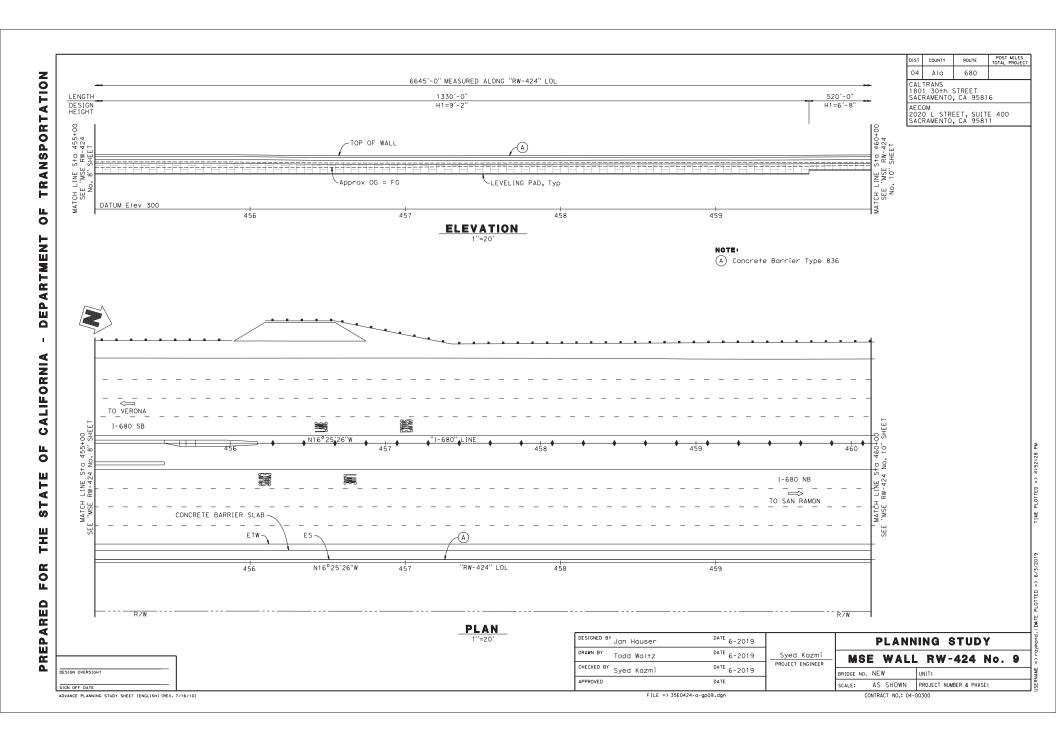


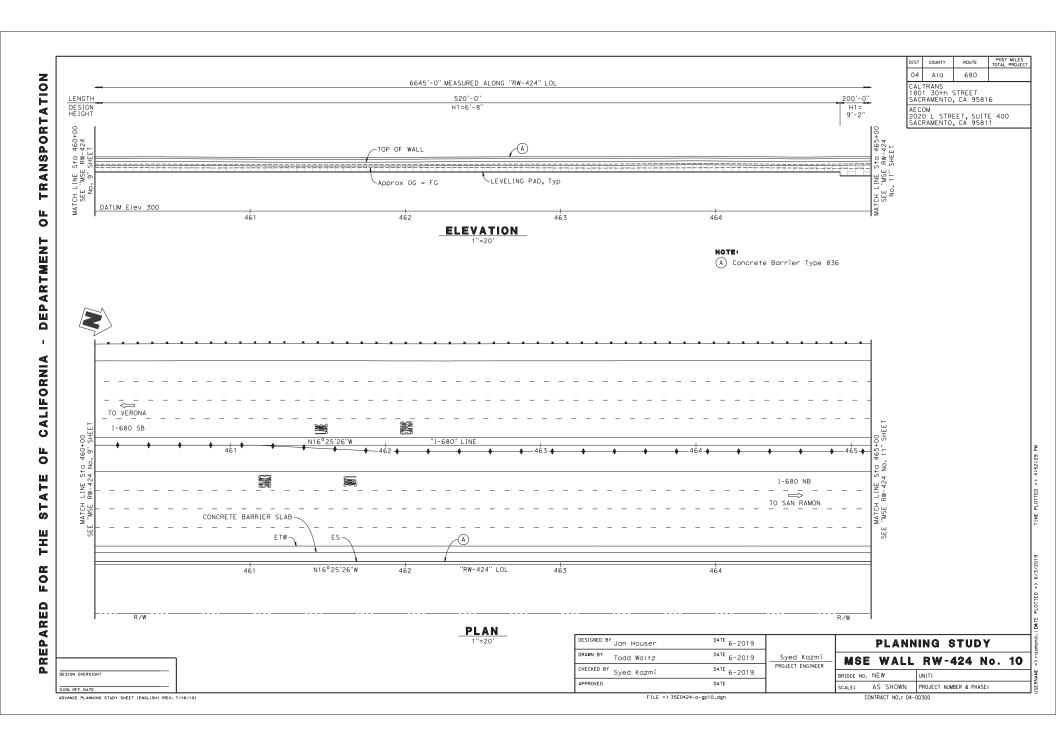


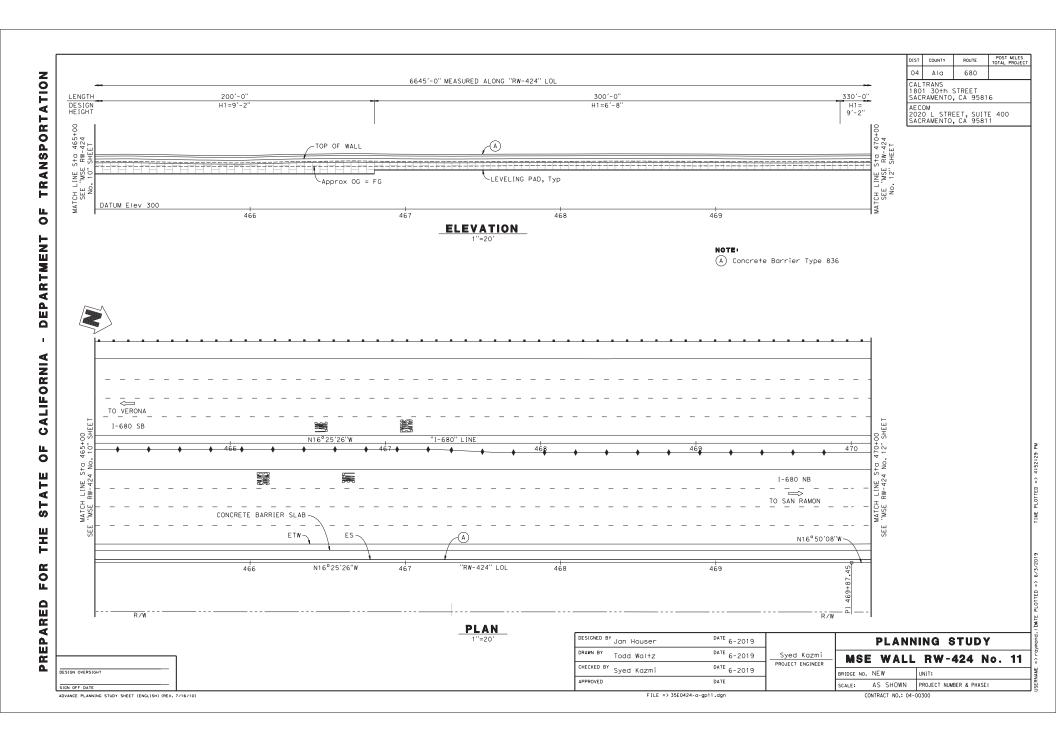


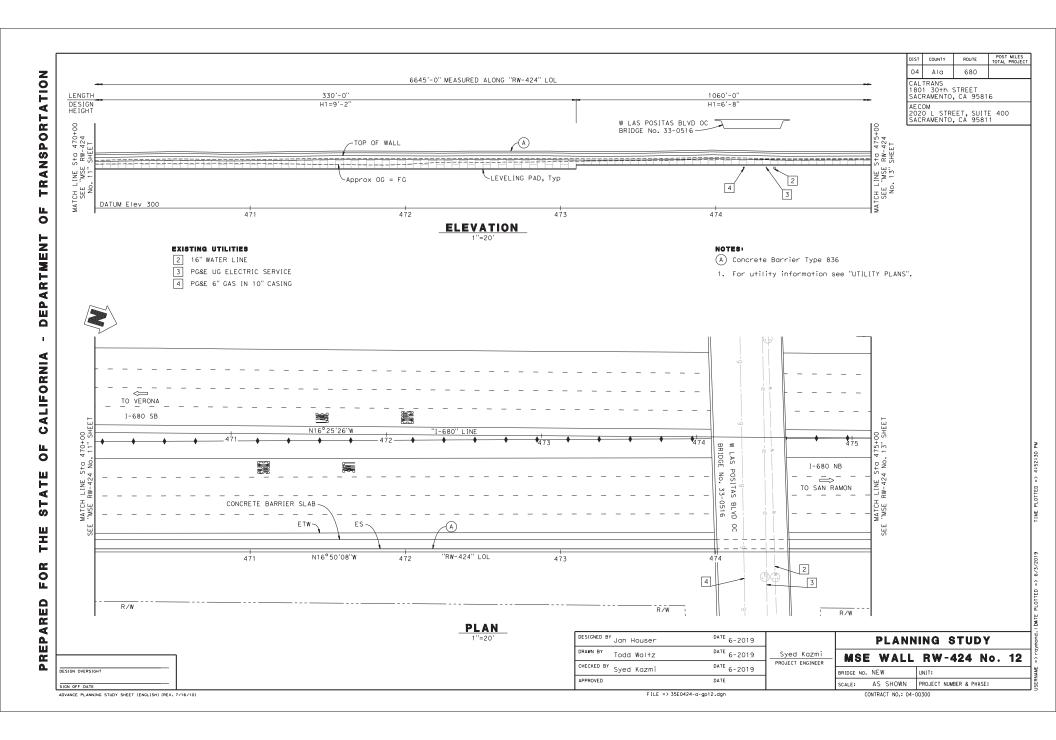


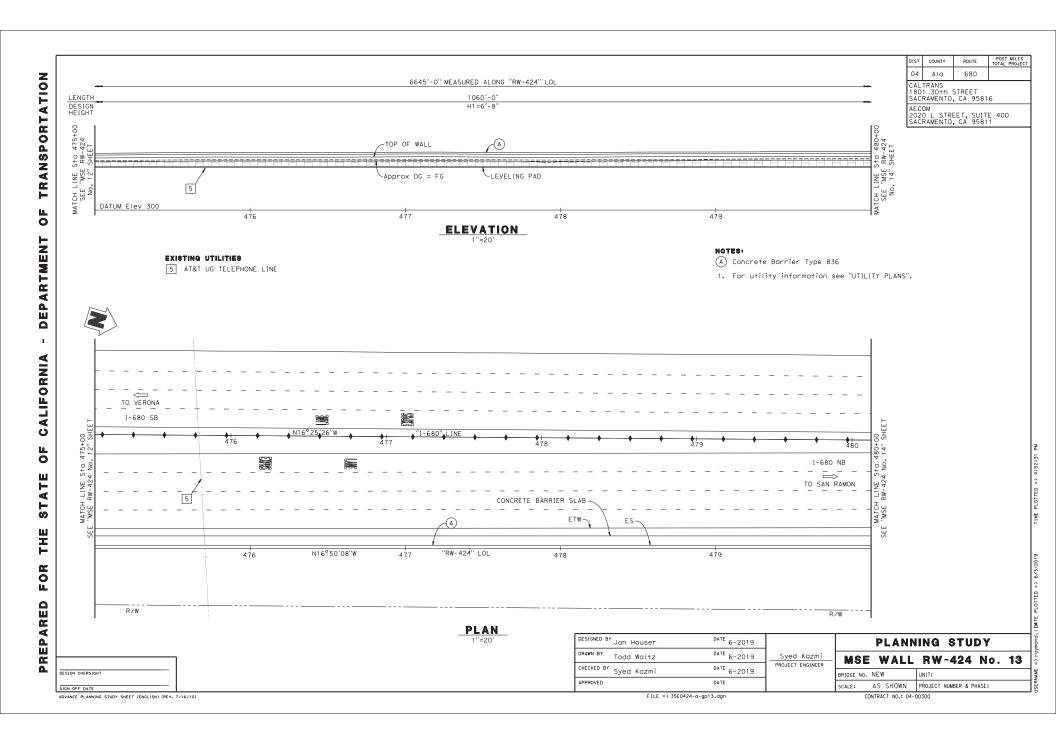


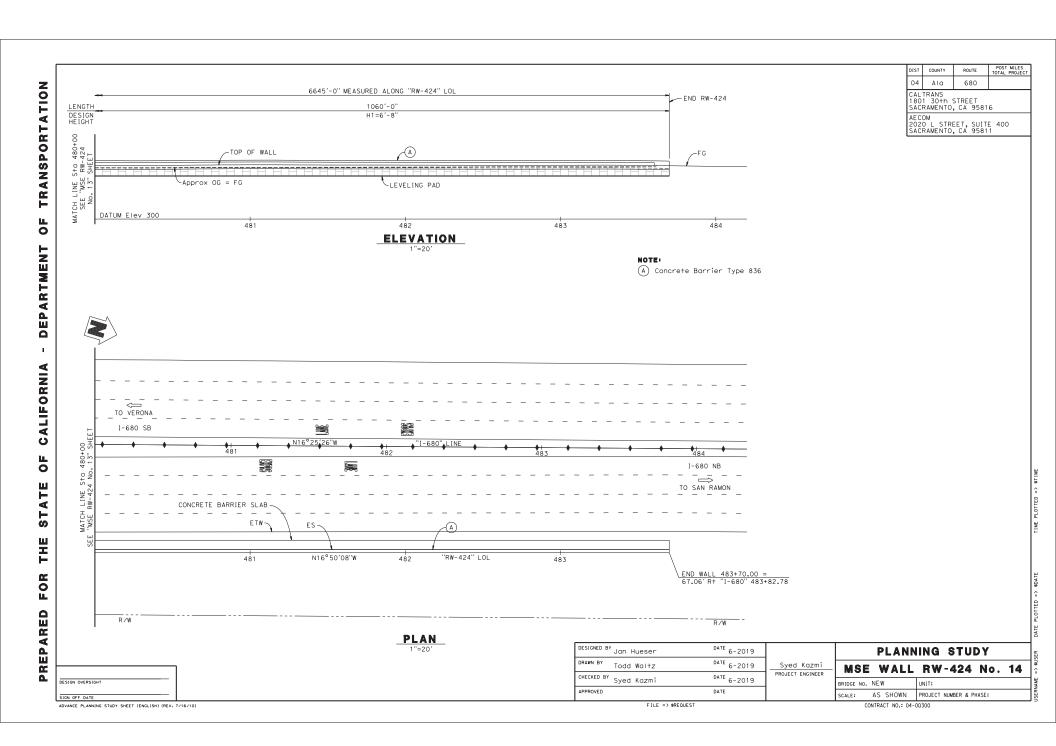


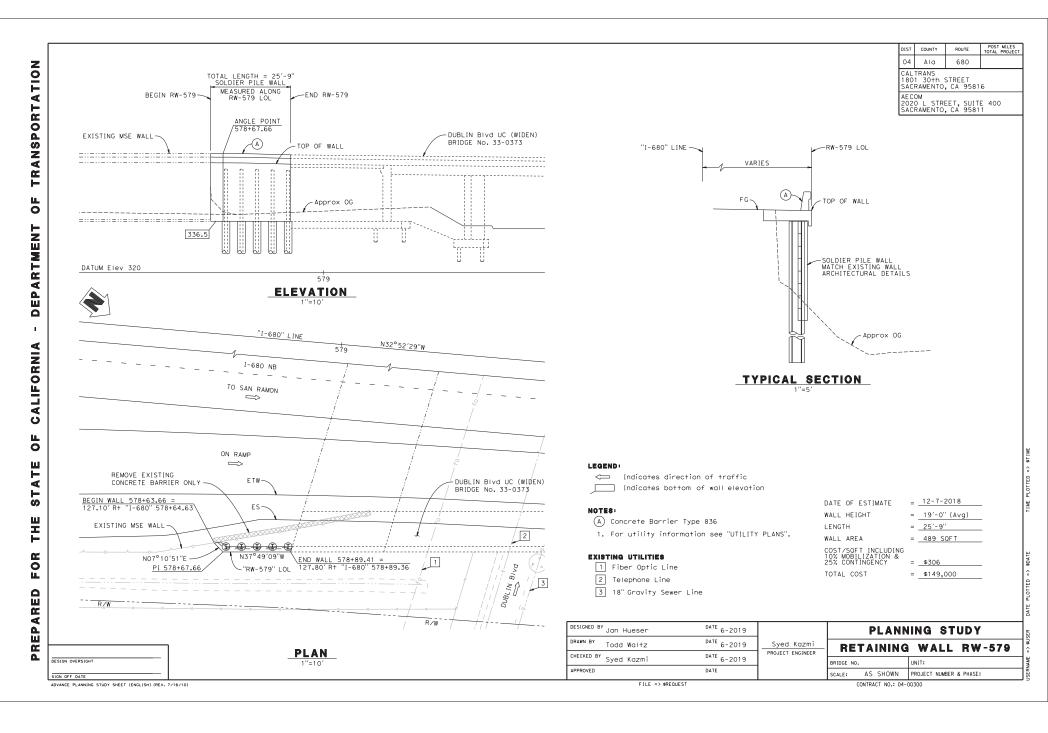


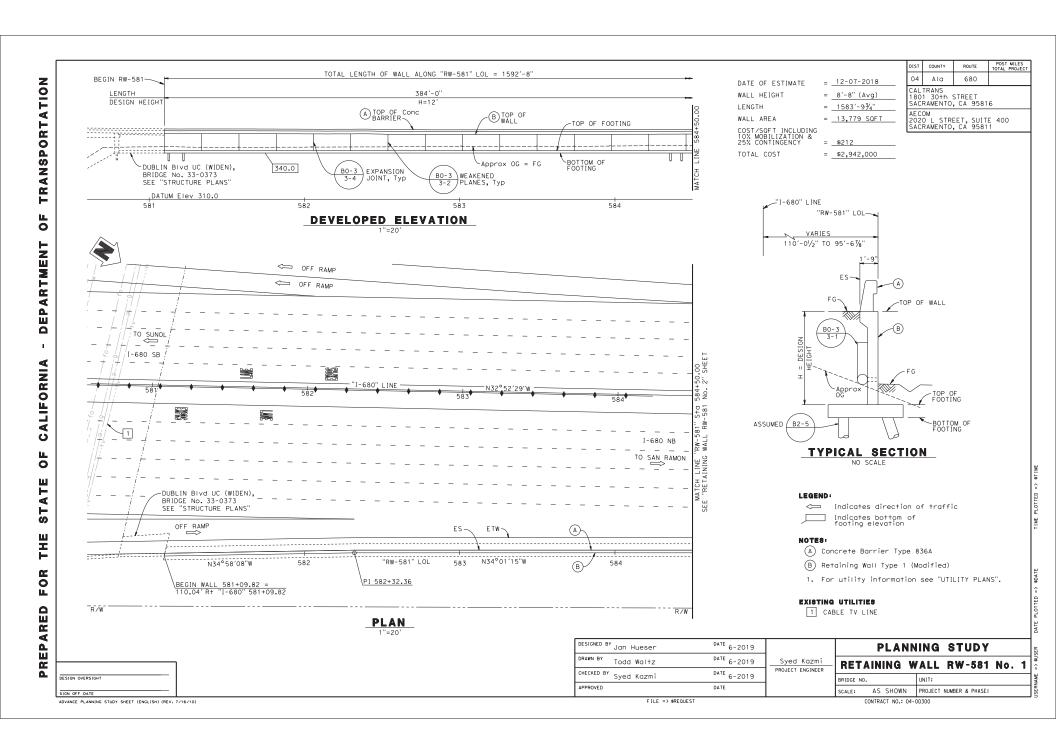


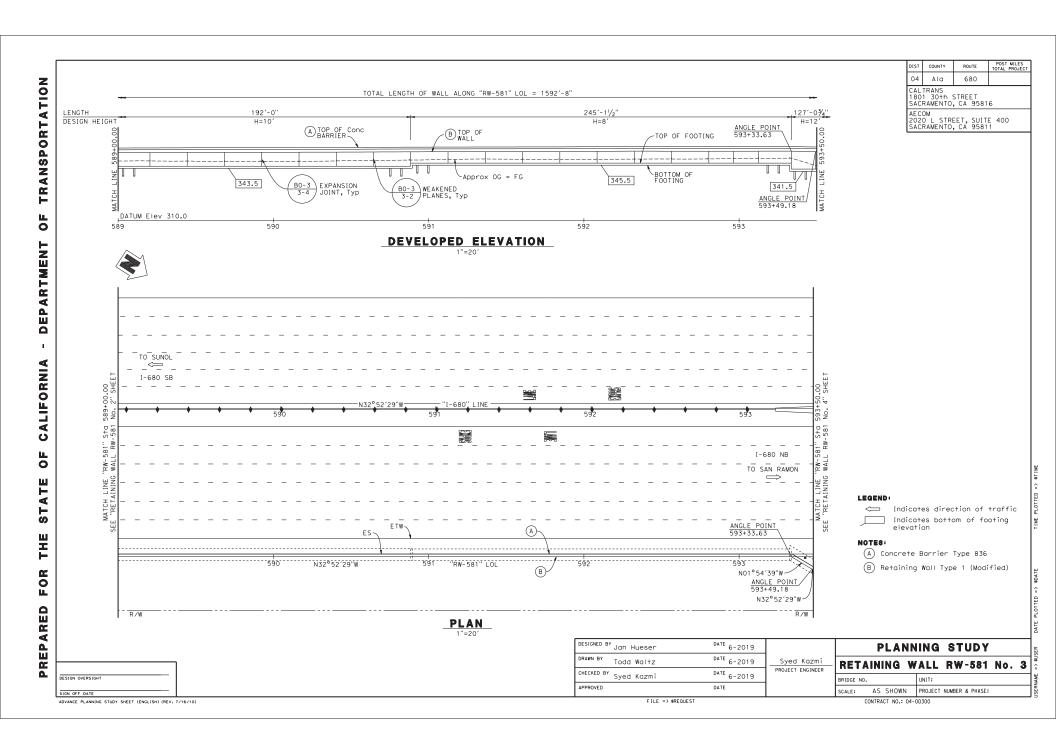


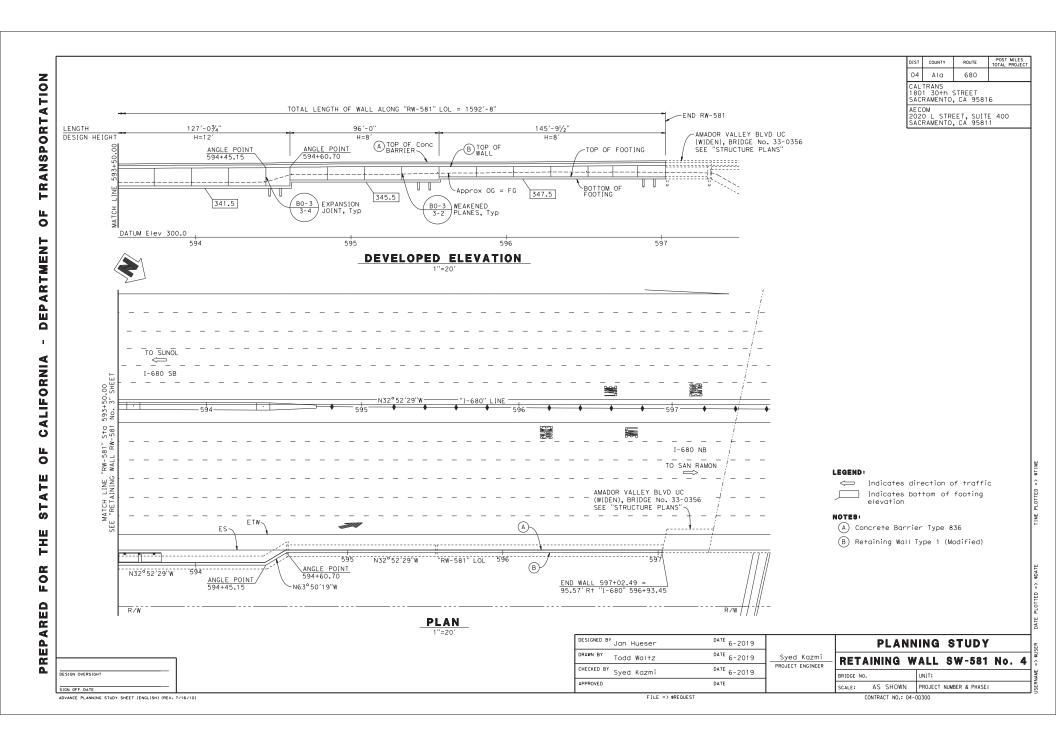


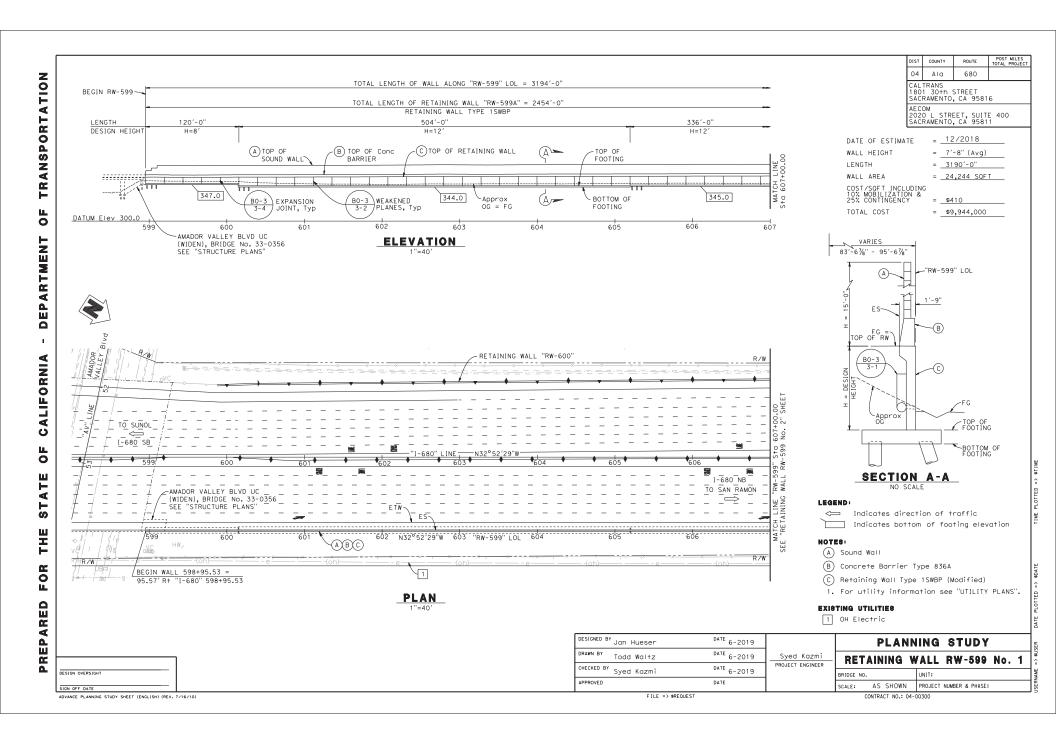


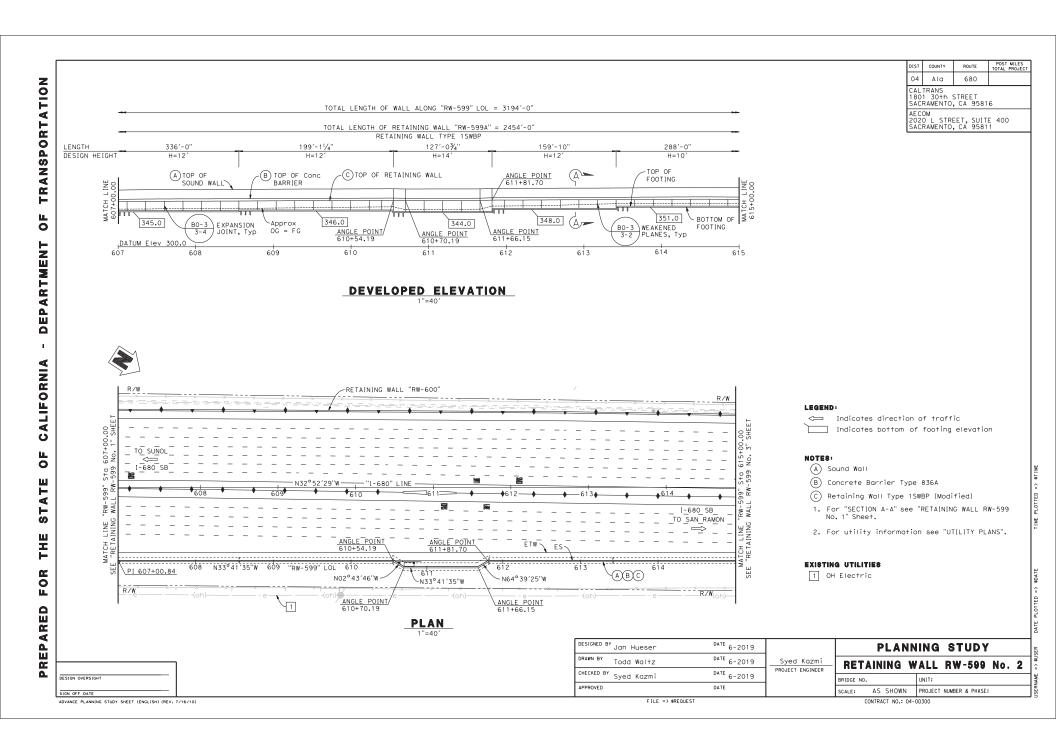


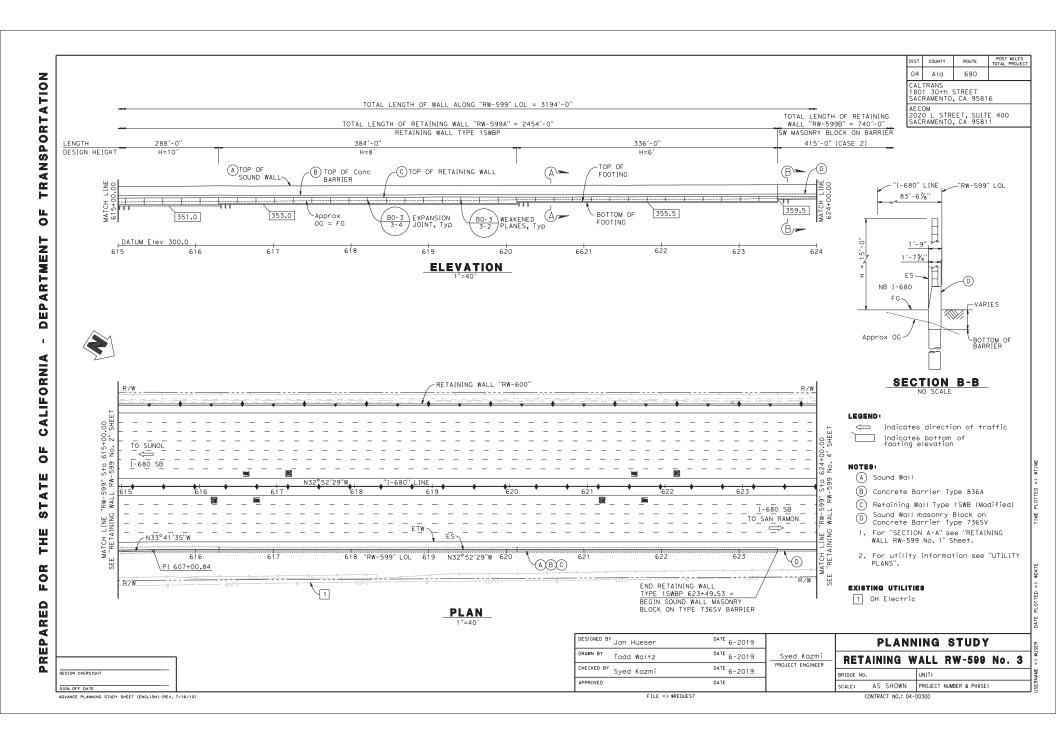


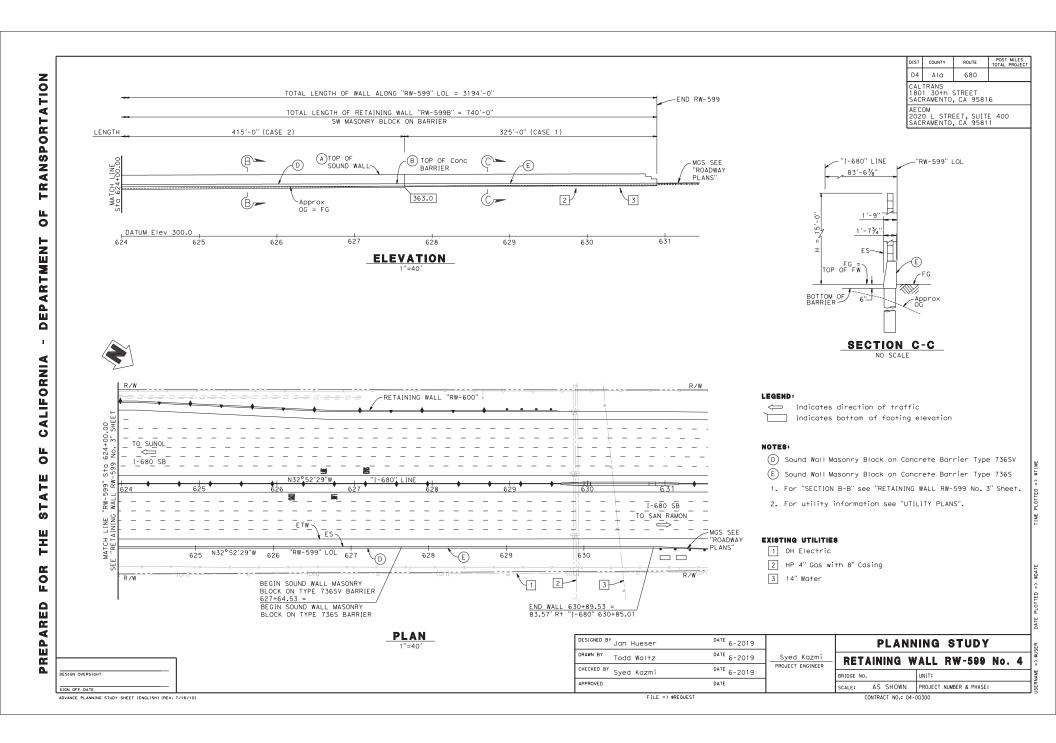


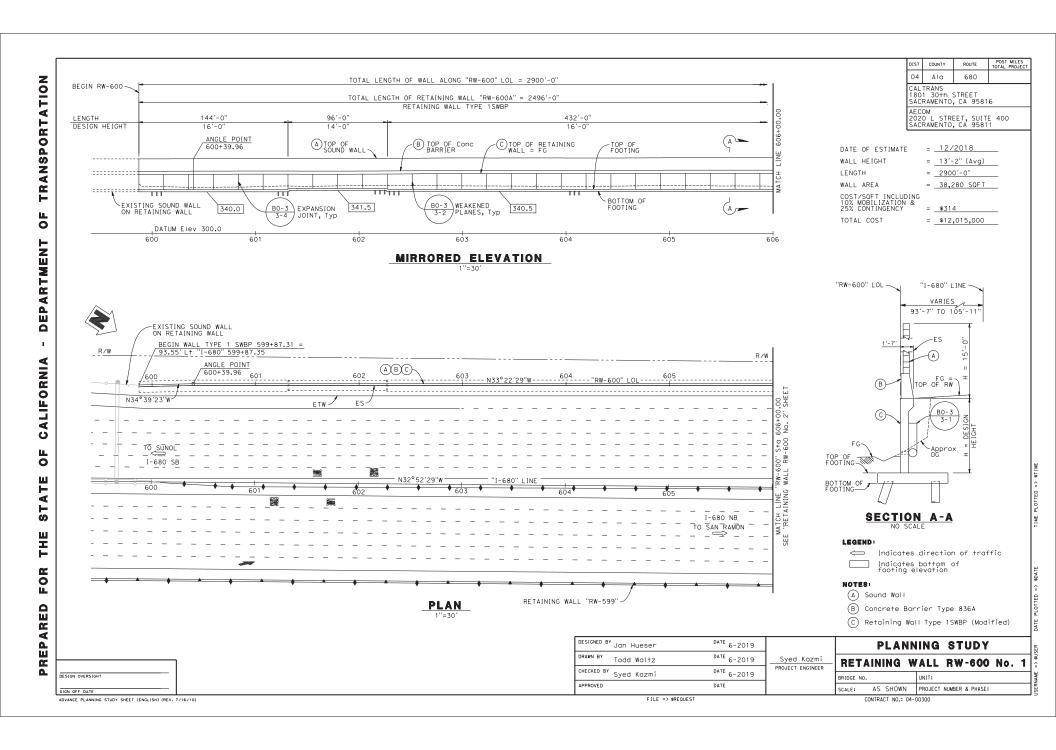


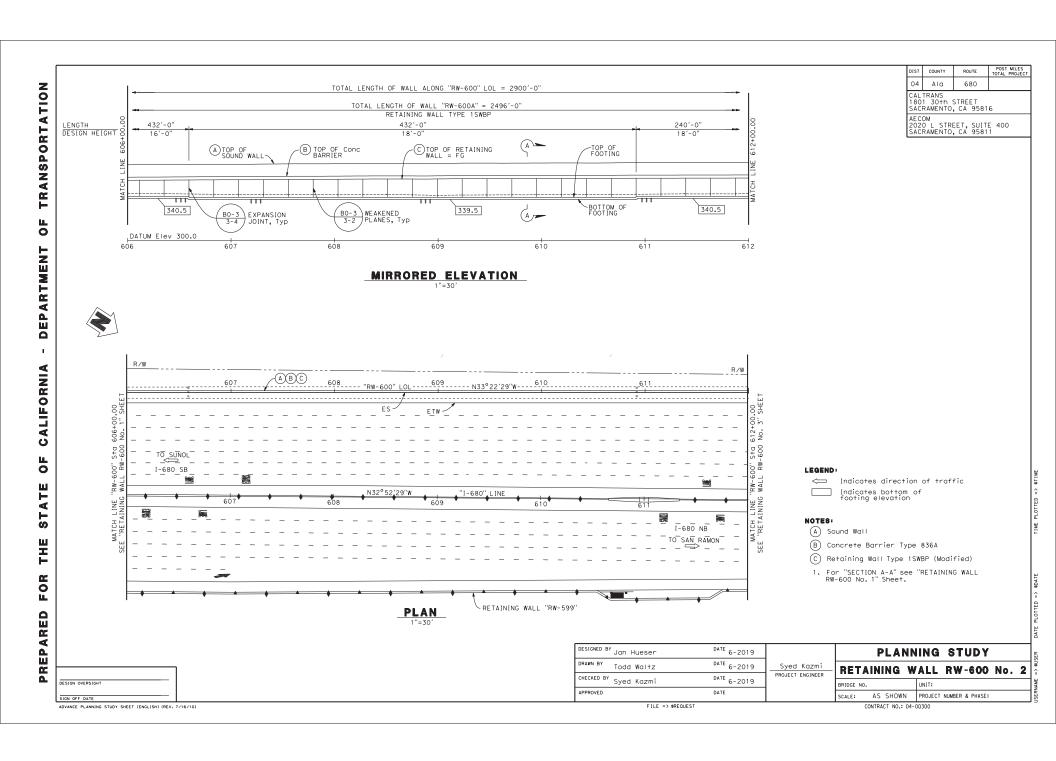


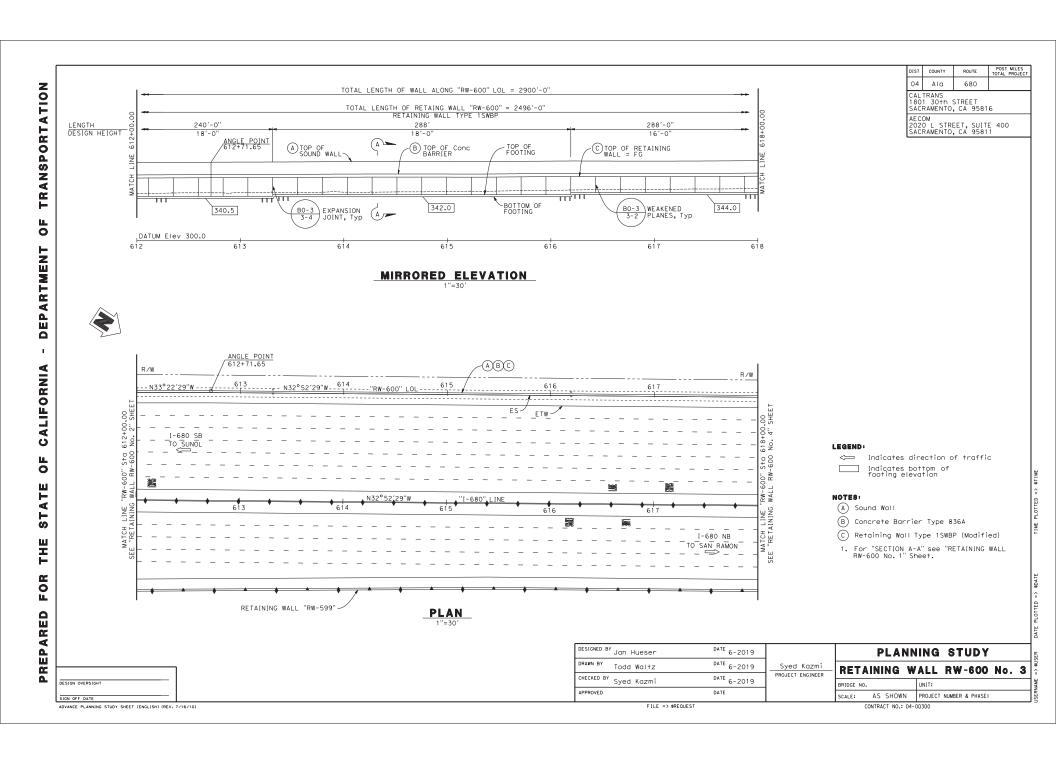


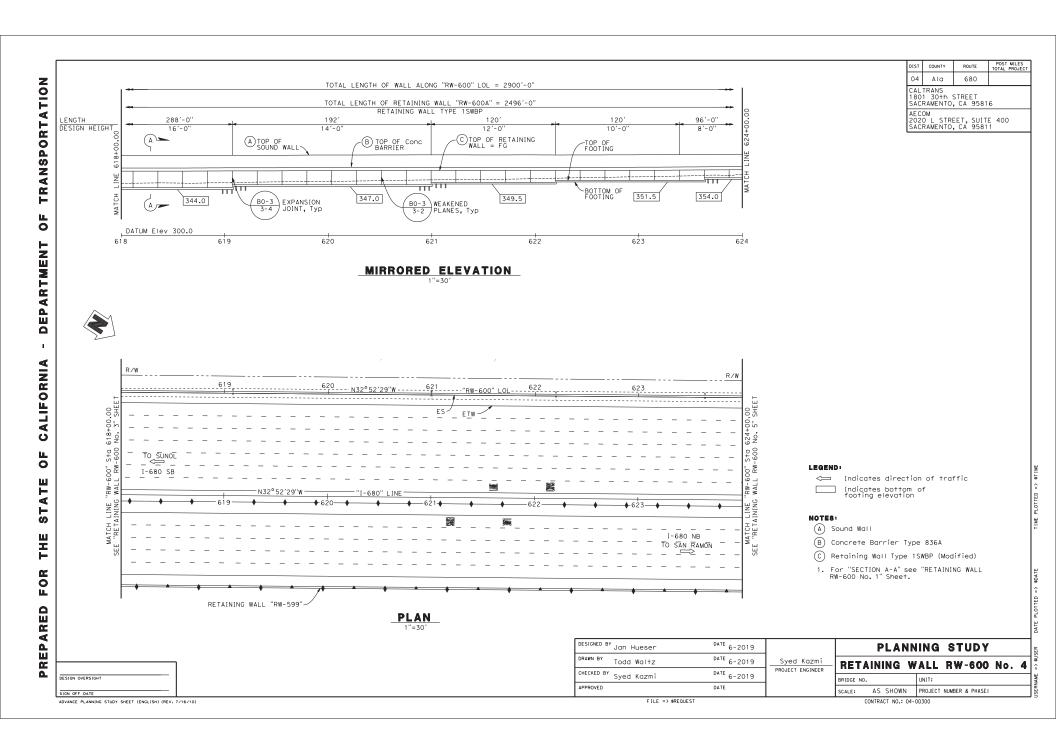


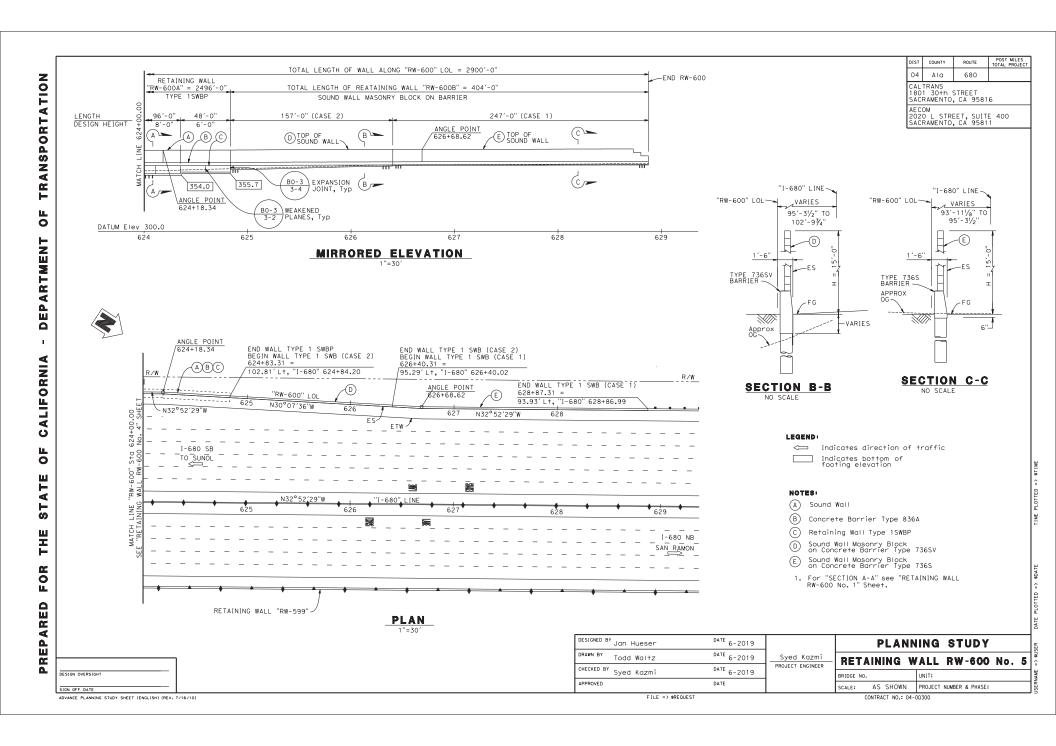


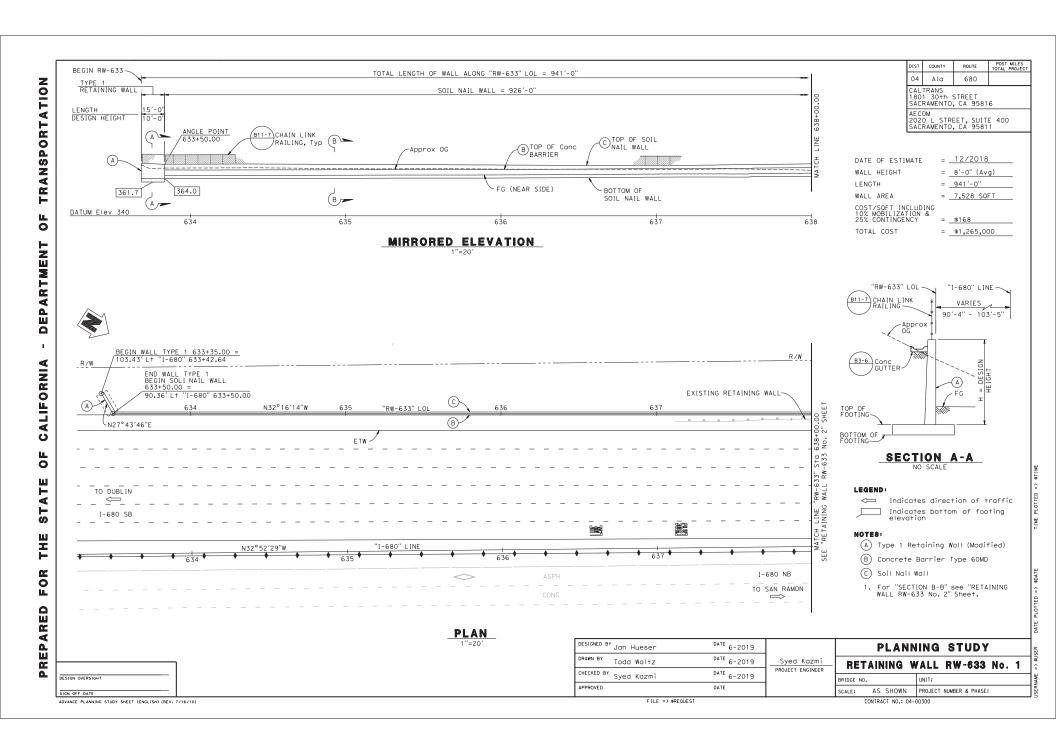


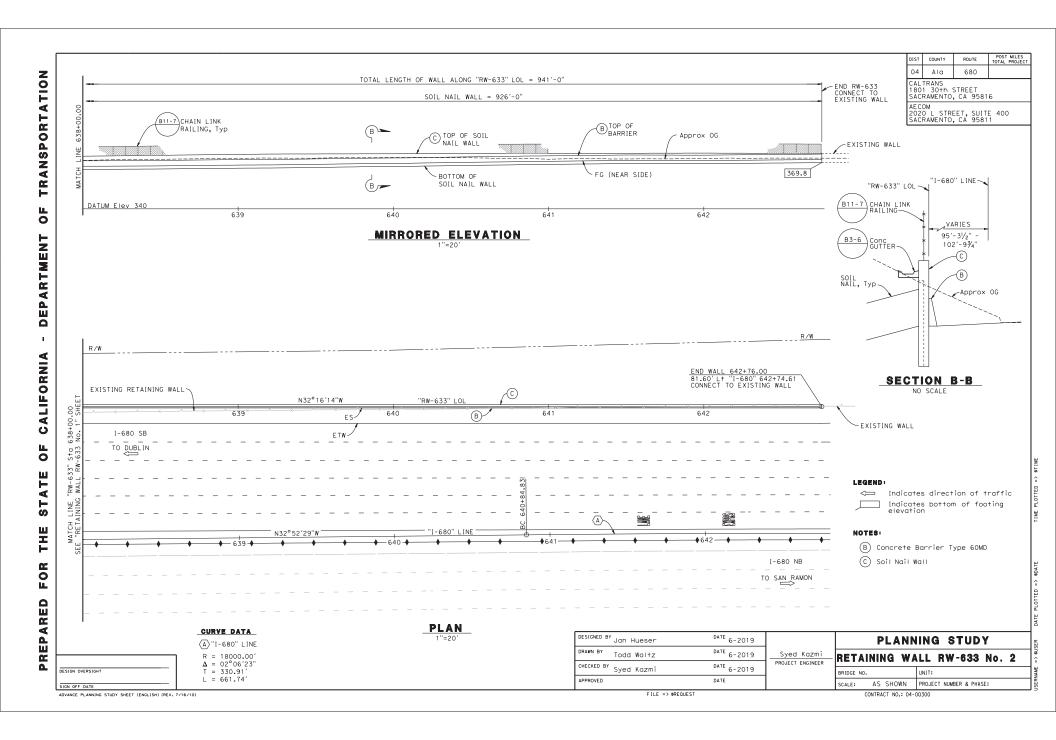












Attachment - D Preliminary Project Cost Estimate

PROJECT

PLANNING COST ESTIMATE

EA: 04-0Q300 PID: 0418000069

District-County-Route: 04-ALA/CC-680 PID: 0418000069

PM: R10.6/R21.4 & R0.0/R1.1

Type of Estimate: Project Approval and Environmental Document (PA&ED)

Program Code: HA22

EA: 04-0Q300

Project Limits: In Alameda County on Interstate 680 from PM 10.6 to 21.4 and in Contra Costa County on Interstate 680 from PM 0.0 to 1.1

Project Description: Express Lanes on I-680 Northbound and Southbound between SR 84 and Alcosta Blvd.

Scope: Express Lanes Project Alternative: Preferred Alternative

SUMMARY OF PROJECT COST ESTIMATE

	Cı	ırrent Year Cost	 Escalated Cost
TOTAL ROADWAY COST	\$	206,592,300	\$ 261,937,255
TOTAL STRUCTURES COST	\$	54,787,200	\$ 69,464,393
SUBTOTAL CONSTRUCTION COST	\$	261,379,500	\$ 331,401,649
TOTAL RIGHT OF WAY COST	\$	10,600,000	\$ 12,956,858
TOTAL CAPITAL OUTLAY COSTS	\$	271,980,000	\$ 344,359,000
PA/ED SUPPORT	\$	6,717,453	\$ 6,717,453
PS&E SUPPORT (8%)	\$	26,137,950	\$ 28,817,090
RIGHT OF WAY SUPPORT	\$	500,000	\$ 578,813
CONSTRUCTION SUPPORT (15%)	\$	46,081,206	\$ 50,804,529
TOTAL SUPPORT COST	\$	79,436,609	\$ 86,917,885
TOTAL PROJECT COST	\$	352,000,000	\$ 432,000,000

If Project has been programmed enter Programmed Amount

	Date of Estimate (Month/Year) _	Month /	<u>Year</u> 2020		
	Estimated Construction Start (Month/Year)	5_/	2022		
		Number of Working Days =	765		
Estim	ated Mid-Point of Construction (Month/Year) _	<u> </u>	2024		
	Estimated Construction End (Month/Year) _	7	2025		
	Number	r of Plant Establishment Days	275		
	Estimated Project Schedule				
	PID Approval	9/28/2018			
	PA/ED Approval	10/16/2020			
	PS&E	8/13/2021			
	RTL	10/15/2021			
	Begin Construction	5/15/2022			
Reviewed by	Shruti Shah	10/2/2020		(408) 297-9585	
	Project Engineer	Date		Phone	
Approved by Project Manager	Abhijeet Bhoi	10/2/2020		(408) 297-9585	
	Project Manager	Date		Phone	

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	Earthwork	\$	13,385,000
2	Pavement Structural Section	\$	26,610,400
3	Drainage	\$	8,350,000
4	Specialty Items	\$	15,378,500
5	Environmental	\$	20,166,300
6	Traffic, Sign and Electrical Items	\$	34,533,300
7	Detours	\$	1,000,000
8	Minor Items	\$	5,971,200
9	Roadway Mobilization	\$	12,539,500
10	Supplemental Work	\$	9,688,800
11	State Furnished	\$	10,459,800
12	Time-Related Overhead	\$	14,077,400
13	Roadway Contingency	\$	34,432,100
	TOTAL ROADWAY ITEMS	\$	206,592,300
e Prepared B	y: Shruti Shah/Josh Sun	10/2/2020	(408)297-9585
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

Abhijeet Bhoi

Name and Title

Estimate Reviewed By:

2 of 11 10/4/2020

(408)961-8414

Phone

10/2/2020

Date

SECTION 1: EARTHWORK

Item code		Unit	Quantity		Unit Price (\$)		Cost
100100	Develop Water Supply	LS	1	Х	65,000.00	=	\$ 65,000
170103	Clearing & Grubbing (LS)	LS	1	Х	400,000.00	=	\$ 400,000
190101	Roadway Excavation	CY	360,000	Х	22.00	=	\$ 7,920,000
19010X	Roadway Excavation (Type X) ADL	CY	50,000	Х	40.00	=	\$ 2,000,000
19010X	Roadway Excavation (Type Z-2) ADL	CY	10,000	Х	300.00	=	\$ 3,000,000

TOTAL EARTHWORK SECTION ITEMS \$ 13,385,000

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code		Unit	Quantity		Unit Price (\$)			Cost	
198215	Subgrade Enhancement Geogrid	SQYD	130,920	Х	2.30	=	\$	301,116	
260203	Class 2 Aggregate Base (CY)	CY	27,200	Х	45.00	=	\$	1,224,000	
250401	Class 4 Aggregate Subase (CY)	CY	8,580	Х	38.00	=	\$	326,040	
390100	Prime Coat	TON	195	Х	875.00	=	\$	170,625	
390132	Hot Mix Asphalt (Type A)	TON	166,600	Х	84.00	=	\$	13,994,400	
390132	Hot Mix Asphalt (Type A) (Cross Slope Correction)	TON	2,493	Χ	100.00	=	\$	249,300	
390137	Rubberized Hot Mix Asphalt (Gap Graded)	TON	21,300	Х	115.00	=	\$	2,449,500	
390137	Rubberized Hot Mix Asphalt (Gap Graded) (Cross Slope Correction)	TON	2,418	х	115.00	=	\$	278,070	
390402	Rubberized Hot Mix Asphalt - Open Graded (Open Graded Friction Course)	TON	10,660	x	125.00	=	\$	1,332,500	
390402	Rubberized Hot Mix Asphalt - Open Graded (Open Graded Friction Course) (Cross Slope Correction)	TON	2,036	х	120.00	=	\$	244,320	
393006	Geosynthetic Pavement Interlayer (Paving Grid)	SQYD	130,920	Х	7.50	=	\$	981,900	
394053	Shoulder Rumble Strip (HMA)	STA	1,014	Х	36.00	=	\$	36,504	
397005	Tack Coat	TON	387	Х	800.00	=	\$	309,600	
398200	Cold Plane Asphalt Concrete Pavement	SQYD	293,800	Х	4.50	=	\$	1,322,100	
401050	Jointed Plain Concrete Pavement	CY	13,710	Х	230.00	=	\$	3,153,300	
731530	Minor Concrete (Textured Paving)	CY	157	Х	650.00	=	\$	102,050	
832070	Vegetation Control (Minor Concrete)	SQYD	1,800	Χ	75.00	=	\$	135,000	
			TOTAL PA	VEN	IENT STRUCT	JRA	L SE	CTION ITEMS	\$

EA: 04-0Q300 PID: 0418000069

SECTION 3: DRAINAGE

 Item code
 Unit
 Quantity
 Unit Price (\$)
 Cost

 XXXXXX
 Drainage
 LS
 1
 x
 8,350,000.00
 =
 \$
 8,350,000

TOTAL DRAINAGE ITEMS \$ 8,350,000

SECTION 4: SPECIALTY ITEMS

Item code		Unit	Quantity		Unit Price (\$)			Cost				
070030	Lead Compliance Plan	LS	1	х	10,000.00	=	\$	10,000				
080050	Progress Schedule (Critical Path Method)	LS	1	Х	10,000.00	=	\$	10,000				
511035	Architectural Treatment	LS	1	Х	2,500,000.00	=	\$	2,500,000				
394076	Place Hot Mix Asphalt Dike (Type E)	LF	4,038	Х	3.00	=	\$	12,114				
731850	Remove Concrete (Curb, Gutter, and Sidewalk)	CY	50	Х	400.00	=	\$	20,000				
832005	Midwest Guardrail System	LF	19,455	Х	26.00	=	\$	505,830				
839303	Single Thrie Beam Barrier (Steel Post)	LF	740	Х	46.00	=	\$	34,040				
839543	Transition Railing (Type WB-31)	EA	9	Х	4,225.00	=	\$	38,025				
839581	End Anchor Assembly (Type SFT)	EA	15	Х	927.00	=	\$	13,905				
839584	Alternative In-line Terminal System	EA	20	Х	2,800.00	=	\$	56,000				
8396XX	Crash Cushion (Type SCI-100GM)	EA	1	Х	30,000.00	=	\$	30,000				
839642	Concrete Barrier (Type 60MC)	LF	8,150	Х	125.00	=	\$	1,018,750				
839643	Concrete Barrier (Type 60MD)	LF	10,740	Х	100.00	=	\$	1,074,000				
839645	Concrete Barrier (Type 60MG)	LF	32,340	Х	150.00	=	\$	4,851,000				
839647	Concrete Barrier (Type 60MGC)	LF	5,300	Х	190.00	=	\$	1,007,000				
839648	Concrete Barrier (Type 60MGF)	LF	3,190	Х	600.00	=	\$	1,914,000				
839752	Remove Guardrail	LF	15,930	Х	5.50	=	\$	87,615				
839774	Remove Concrete Barrier	LF	39,930	Х	55.00	=	\$	2,196,150				
					TOT	AL S	PEC	IALTY ITEMS	\$ _	 15	15,37	15,378

SECTION 5: ENVIRONMENTAL

5A - ENV	IRONMENTAL MITIGATION									
Item code		Unit	Quantity		Unit Price (\$)			Cost		
130670	Temporary Reinforced Silt Fence	LF	110,000	Х	5.00	=	\$	550,000		
					Subtotal	Env	ironn	nental Mitigation	\$	550,000
5B - LAN	DSCAPE AND IRRIGATION									,
Item code		Unit	Quantity		Unit Price (\$)			Cost		
200122	Weed Germination	SQYD	3,300	Х	2.00	=	\$	6,600		
20XXXX	Highway Planting	LS	1	Х	300,000.00	=	\$	300,000		
20XXXX	Irrigation System	LS	1	Х	200,000.00	=	\$	200,000		
	Plant Establishment Work	LS	1	Х	26,000.00	=	\$	26,000		
20XXXX	Follow-up Landscape Project	LS	1	Х	5,000,000.00	=	\$	5,000,000		
	Remove Irrigation Facility	LS	1	х	3,300.00	=	\$	3,300		
	Modify Existing Irrigation Systems	LS	1	Х	15,000.00	=	\$	15,000		
	Maintain Existing (Irrigation or Planted Areas)	LS	1	Х	20,000.00	=	\$	20,000		
	Check and Test Existing Irrigation Facilities	LS	1	Х	5,000.00	=	\$	5,000		
	Imported Topsoil (CY)	CY	50.000	X	22.00	_	\$	1,100,000		
	Water Meter	EA	10	X	75,000.00	=	\$	750,000		
20/////	water meter	LA	10	^	73,000.00	_	Ψ	750,000		
					Subtotal	Lan	dscap	e and Irrigation	\$	7,425,900
	SION CONTROL	Unit	Quantity		Unit Price (¢)			Cost		
Item code	M 1/M 0 1/5 1 0 1 1		Quantity	.,	Unit Price (\$)		•			
	Move In/Move Out (Erosion Control)	EA	60	X	700.00	=	\$	42,000		
210270	(0,	SQFT	930,000	X	0.45	=	\$	418,500		
210300	•	SQFT	1,038,000	X	0.03	=	\$	31,140		
	Fiber Rolls	LF	51,600	Х	2.90	=	\$	149,640		
210360	•	LF	1,038,000	Х	0.35	=	\$	363,300		
210420		SQFT	108,000	Х	0.05	=	\$	5,400		
210430	•	SQFT	1,038,000	Х	0.10	=	\$	103,800		
210610	Compost (CY)	CY	4,766	Х	45.00	=	\$	214,470		
210630	Incorporate Materials	SQFT	156,000	Χ	0.07	=	\$	10,920		
						Sub	total	Erosion Control	\$	1,339,170
5D - NPD	ES									
Item code		Unit	Quantity		Unit Price (\$)			Cost		
13XXXX	Temporary Water Pollution Control	LS	1	Х	2,800,000.00	=	\$	2,800,000		
13XXXX	Onsite Stormwater Treatment	LS	1	Х	2,844,000.00	=	\$	2,844,000		
13XXXX	Hydromodification Management	LS	1	Х	1,500,000.00	=	\$	1,500,000		
13XXXX	Trash Capture and Removal Management	LS	1	Х	3,707,200.00	=	\$	3,707,200		
							Su	btotal NPDES	\$	10,851,200
					TOT	- 4.1	- NIV/I	DONMENTAL	Φ.	00 166 200
Supplem	ental Work for NPDES				101	AL	⊏IN V I	RONMENTAL	\$	20,166,300
	Water Pollution Control Maintenance Sharing*	LS	1	Х	65,000.00	=	\$	65,000		
	Additional Water Pollution Control**	LS	1	X	33,000.00	=	\$	33,000		
	Storm Water Sampling and Analysis***	LS	1	X	22,000.00	=	φ \$	22,000		
					0	l		M NDDC	Φ.	100.000
					<i>Зиртотаї Зирр</i>	ieme	intal	Nork for NDPS	\$	120,000

 $^{^{\}star}$ Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

^{**}Applies to both SWPPPs and WPCP projects.

^{***} Applies only to project with SWPPPs.

SECTION 6: TRAFFIC ITEMS

6A - Traffi	c Electrical								
Item code	· =	Unit	Quantity		Unit Price (\$)			Cost	
	60" CIDH Concrete Pile (Sign Foundation)	LF	890	Х	1,050.00	=	\$	934,500	
	Furnish Sign Structure (Truss)	LB	674,360	X	3.85	=	\$	2,596,286	
560219	Install Sign Structure (Truss)	LB	674,360	X	0.40	=	\$	269,744	
568046	Remove Sign Structure (EA)	EA	14	X	4,500.00	=	\$	63,000	
		EA	3		760.00			· ·	
820360	Remove Sign Panel	EA	3	Χ	760.00	=	\$	2,280	
870009	Maintain Existing Traffic Management System Elements During Construction	LS	1	Χ	100,000.00	=	\$	100,000	
870201A	Lighting System (Tolling System)	LS	1	Χ	2,346,500.00	=	\$	2,346,500	
870510	Ramp Metering System	LS	1	Χ	100,000.00	=	\$	100,000	
871201A	Electronic Toll System and Backhaul System	LS	1	Х	10,643,000.00	=	\$	10,643,000	
871202A	System Integrator (Tolling System)	LS	1	Х	8,250,000.00	=	\$	8,250,000	
	PG&E Connection (Tolling System)	LS	1	Х	595,000.00	=	\$	595,000	
	AT&T Connection (Tolling System)	LS	1	Х	81,000.00	=	\$	81,000	
	Temporary Lighting System	LS	1	х	140,000.00	=	\$	140,000	
872130	Modifying Existing Electrical System	LS	1	Х	964,500.00	=	\$	964,500	
	Loop Detectors (New or Relocate)	LS	1	Х	900,000.00	=	\$	900,000	
	Traffic Monitoring Station (Modify or relocate)	LS	1	X	300,000.00		\$	300,000	
^^^^		LO		Α.	300,000.00	=	φ	300,000	
XXXXX	Traffic Operations System (New and Modify/Relocate)	LS	1	Х	750,000.00	=	\$	750,000	
					S	Subto	tal Tı	raffic Electrical	\$ 29,035,810
6D T	is Cianina and Christs								
	ic Signing and Striping	,	O		Hall But (A)			01	
Item code		Unit	Quantity		Unit Price (\$)		•	Cost	
120090	Construction Area Signs	LS	1	Х	400,000.00	=	\$	400,000	
141103	Remove Yellow Thermoplastic Traffic Stripe (Hazardous Waste)	LF	105,000	Х	0.50	=	\$	52,500	
820250	Remove Roadside Sign	EA	240	Х	85.00	=	\$	20,400	
820710	Furnish Laminated Panel Sign (1"- Type A)	SQFT	10,050	Х	30.00	=	\$	301,500	
820720	Furnish Laminated Panel Sign (1"- Type B)	SQFT	2,400	Х	24.00	=	\$	57,600	
820750	Furnish Single Sheet Aluminum Sign (0.063"- Unframed)	SQFT	7,800	Х	8.00	=	\$	62,400	
820820	Metal (Barrier Mounted Sign)	LB	8,000	Х	7.00	=	\$	56,000	
820840	Roadside Sign - One Post	EA	330	Х	300.00	=	\$	99,000	
820850	Roadside Sign - Two Post	EA	60	Х	420.00	=	\$	25,200	
820860	Install Sign (Strap and Saddle Bracket Method)	EA	90	X	125.00	_	\$	11,250	
820890	Install Sign Panel on Existing Frame	SQFT	165	X	80.00	_	\$	13,200	
020090	Thermoplastic Traffic Stripe (Enhanced Wet Night	SQITI	105	Α.	80.00	=	φ	13,200	
840502	Visibility)	LF	600,000	Χ	0.60	=	\$	360,000	
846030	Remove Thermoplastic Traffic Stripe	LF	510,000	Х	0.40	=	\$	204,000	
					Subtotal Tra	ffic S	Signin	g and Striping	\$ 1,663,050
	c Management Plan							_	
Item code		Unit	Quantity		Unit Price (\$)			Cost	
128652	Portable Changeable Message Sign(LS)	LS	1	Х	\$ 600,000	=	\$	600,000	
					Subtotal T	raffic	Man	agement Plan	\$ 600,000
				•					
6C - Stage	Construction and Traffic Handling								
Item code	•	Unit	Quantity		Unit Price (\$)			Cost	
120100	Traffic Control System	LS	1	х	500,000.00	=	\$	500,000	
120100	Type III Barricade	EA	48	X	95.00	_	\$	4,560	
129000	Temporary Railing (Type K)	LF	145,000	X	10.00	=	\$	1,450,000	
	Temporary Alternative Crash Cushion	EA	41	X	3,200.00	=	φ \$	131,200	
	• •	TON			•			•	
	Hot Mix Asphalt (Type A) (Shoulder Resurfacing) Rubberized Hot Mix Asphalt (Gap Graded)		11,521	Х	78.00	=	\$	898,638	
390137	(Shoulder Resurfacing)	TON	2,082	Х	110.00	=	\$	229,020	
810170	Delineator (Class 1)	EA	600	х	35.00	=	\$	21,000	
510170	Somiodioi (Oldos 1)	LA	000	^	55.00	_	Ψ	۲,000	
			Sul	otota	l Stage Construct	ion a	nd T	raffic Handling	\$ 3,234,418
					Т	ОТА	L TR	AFFIC ITEMS	\$ 34,533,300

SECTION 7: DETOURS

Includes constructing, maintaining, and removal

 Item code
 Unit
 Quantity
 Unit Price (\$)
 Cost

 120149
 Detour
 LS
 1
 x
 1,000,000.00
 =
 \$
 1,000,000

TOTAL DETOURS \$ 1,000,000

SUBTOTAL SECTIONS 1 through 7 \$ 119,423,500

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$
8B - Bike Path Items
Bike Path Items 0.0% \$
8C - Other Minor Items

 Other Minor Items
 5.0%
 \$ 5,971,175

Total of Section 1-7 $$119,423,500 \times 5.0\% = $5,971,175$

TOTAL MINOR ITEMS \$ 5,971,200

SECTIONS 9: MOBILIZATION

Item code

999990 Total Section 1-8 \$ 125,394,700 x 10% = \$ 12,539,470

TOTAL MOBILIZATION \$ 12,539,500

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price (\$)		Cost
066015	Federal Trainee Program	LS	1	Х	26,000.00	=	\$ 26,000
066070	Maintain Traffic	LS	1	Х	600,000.00	=	\$ 600,000
066094	Value Analysis	LS	1	Х	10,000.00	=	\$ 10,000
066610	Partnering	LS	1	Х	90,000.00	=	\$ 90,000
066670	Payment Adjustments For Price Index Fluctuations	LS	1	x	1,543,000.00	=	\$ 1,543,000
066XXX	Repair Pavement	LS	1	Х	1,000,000.00		\$ 1,000,000
066919	Dispute Resolution Board	LS	1	Х	30,000.00	=	\$ 30,000

Cost of **NPDES** Supplemental Work specified in Section 5D = \$ 120,000

Total Section 1-8 \$ 125,394,700 5% = \$ 6,269,735

TOTAL SUPPLEMENTAL WORK \$ 9,688,800

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price (\$)		Cost
066105	Resident Engineers Office	LS	1	х	600,000.00	=	\$600,000
066063	Traffic Management Plan - Public Information	LS	1	Х	125,000.00	=	\$125,000
066901	Water Expenses	LS	1	Х	50,000.00	=	\$50,000
066841	Traffic Controller Assembly	LS	1	Х	50,000.00	=	\$50,000
066062	COZEEP Contract	LS	1	Х	3,000,000.00	=	\$3,000,000
066065	Tow Truck Service Patrol	LS	1	Х	365,000.00	=	\$365,000
	Total Section 1	-8	\$ 125,394,70	0	5%	=	\$ 6,269,735

TOTAL STATE FURNISHED \$10,459,800

SECTION 12: TIME-RELATED OVERHEAD

Total of Roadway and Structures Contract Items excluding Mobilization \$175,

\$175,967,500 (used to calculate TRO)

Total Construction Cost (excluding TRO and Contingency) \$161,126,800 (used to check if project is greater than \$5 million excluding contingency)

Estimated Time-Releated Overhead (TRO) Percentage (0% to 10%) = 8%

 Item code
 Unit
 Quantity
 Unit Price (\$)
 Cost

 070018 Time-Related Overhead
 WD
 765
 X
 \$18,402
 =
 \$14,077,400

TOTAL TIME-RELATED OVERHEAD \$14,077,400

Note: If the building portion of the project is greater than 50% of the total project cost, then TRO is not included.

SECTION 13: ROADWAY CONTINGENCY

Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-12 \$172,160,200 x 20% = \$34,432,040

TOTAL CONTINGENCY \$34,432,100

II. STRUCTURE ITEMS

	Bridge 1	Bridge 2	-	Bridge 3
DATE OF ESTIMATE	12/10/18	12/10/18		12/10/18
Bridge Name	PLEASANTON-SUNOL Rd UC (WIDEN)	DUBLIN BOULEVARD UC (WIDEN)		AMADOR VALLEY BLVD UC (WIDEN)
Bridge Number	33-0387	33-0373		33-0356
Structure Type	CIP RCB GIRDER	PC/PS RCB GIRDER		PC/PS RCB GIRDER
Width (Feet) [out to out]	15 LF	11 LF		14 LF
Total Bridge Length (Feet)	173 LF	158 LF		166 LF
Total Area (Square Feet)	2645 SQFT	1778 SQFT		2263 SQFT
Structure Depth (Feet)	5 LF	4 LF		3 LF
Footing Type (pile or spread)	SPREAD	PILE		PILE
Cost Per Square Foot	\$451	\$668		\$291
Bridge Removal	\$2,062	\$ 2,062		\$ 2,062
COST OF EACH	\$1,194,000	\$1,189,000		\$661,000

1	Bridge 4	1	Bridge 5	ĺ		
DATE OF ESTIMATE Bridge Name						
Bridge Number Structure Type Width (Feet) [out to out] Total Bridge Length (Feet) Total Area (Square Feet) Structure Depth (Feet) Footing Type (pile or spread) Cost Per Square Foot						
COST OF EACH	\$0		\$0.00		\$0.00	

SUBTOTAL COST OF BRIDGES	\$3,044,000
SUBTOTAL COST OF BUILDINGS	\$0

SUBTOTAL COST OF STRUCTURES	\$3,044,000
30BIOTAL COST OF STRUCTURES	φ3,044,000

Estimate Prepared By:	Syed Kazmi	5/15/2018
	AECOM Division of Structures	Date

II. STRUCTURE ITEMS

	Retaining Wall (RW-213)	Retaining Wall (RW-153)	Retaining Wall (RW-162)
DATE OF ESTIMATE	12/10/18	12/10/18	12/10/18
Bridge Name	RW 213	(RW-153)	(RW-162)
Bridge Number Structure Type Width (Feet) [out to out] Total Bridge Length (Feet) Total Area (Square Feet) Structure Depth (Feet) Footing Type (pile or spread) Cost Per Square Foot	XX-XXX Soil Nail VAR LF 8649 LF 121086 SQFT N/A LF N/A \$113	XX-XXX Type 1 VAR LF 455 LF 3413 SQFT N/A LF N/A \$177	XX-XXX Type 7 VAR LF 880 LF 6424 SQFT N/A LF N/A \$109
COST OF EACH	\$13,683,000	\$603,000	\$701,000

	Retaining Wall (RW-310)	Retaining Wall (RW-424)	Retaining Wall (RW-579)
DATE OF ESTIMATE	12/10/18	12/10/18	12/10/18
Bridge Name	(RW-310)	(RW-424)	(RW-579)
Bridge Number Structure Type Width (Feet) [out to out] Total Bridge Length (Feet) Total Area (Square Feet) Structure Depth (Feet) Footing Type (pile or spread) Cost Per Square Foot	XX-XXX Type 1 VAR LF 450 LF 3915 SQFT N/A LF N/A \$103	XX-XXX Type 1 VAR LF 6645 LF 37195 SQFT N/A LF N/A \$156	XX-XXX Soldier Pile VAR LF 25 LF 489 SQFT N/A LF N/A \$200
COST OF EACH	\$405,000	\$5,798,000	\$98,000

SUBTOTAL COST OF RET WALLS	\$21,288,000
----------------------------	--------------

SUBTOTAL COST OF WALLS	\$21,288,000

 Estimate Prepared By:
 Syed Kazmi
 5/15/2018

 AECOM Division of Structures
 Date

II. STRUCTURE ITEMS

	Retaining Wall (RW-581)	Retaining Wall (RW-599)	Retaining Wall (RW-600)
DATE OF ESTIMATE	12/10/18	12/10/18	12/10/18
Bridge Name	(RW-581)	(RW-599)	(RW-600)
Bridge Number Structure Type Width (Feet) [out to out] Total Bridge Length (Feet) Total Area (Square Feet) Structure Depth (Feet) Footing Type (pile or spread) Cost Per Square Foot	XX-XXX Type 1 VAR LF 1584 LF 13779 SQFT N/A LF N/A \$140	XX-XXX Type 1SWBP VAR LF 3190 LF 24244 SQFT N/A LF N/A \$268	XX-XXX Type 1SWBP VAR LF 2900 LF 38280 SQFT N/A LF N/A \$205
COST OF EACH	\$1,926,000	\$6,509,000	\$7,864,000

Bridge Name (RW-180) (RW-633) Bridge Number XX-XXX XXX XX-XXX XX-XX-	\$828.000	\$685.000	COST OF EACH
Bridge Number XX-XXX XX-XXX XX-XXX Structure Type Soil Nail Soil Nail Width (Feet) [out to out] VAR LF VAR LF Total Bridge Length (Feet) 490 LF 926 LF Total Area (Square Feet) 6223 SQFT 7528 SQFT Structure Depth (Feet) N/A LF N/A LF	\$110	\$110	
Bridge Number XX-XXX XX-XXX Structure Type Soil Nail Soil Nail Width (Feet) [out to out] VAR LF Total Bridge Length (Feet) 490 LF 926 LF Total Area (Square Feet) 6223 SQFT 7528 SQFT		= .	. , ,
Bridge Number XX-XXX XX-XXX XX-XXX Structure Type Soil Nail Soil Nail Width (Feet) [out to out] VAR LF VAR LF Total Bridge Length (Feet) 490 LF 926 LF			` ' '
Bridge Number XX-XXX XX-XXX Structure Type Soil Nail Soil Nail			O O (,
Bridge Number XX-XXX XX-XXX	VAR LF	VAR LF	Width (Feet) [out to out]
	Soil Nail	Soil Nail	Structure Type
Bridge Name (RW-180) (RW-633)	XX-XXX	XX-XXX	Bridge Number
	(RW-633)	(RW-180)	Bridge Name
DATE OF ESTIMATE 12/10/18 12/10/18	12/10/18	12/10/18	DATE OF ESTIMATE

Retaining Wall (RW-633)

	SUBTOTAL COST OF RET WALLS	\$17,812,000
	SUBTOTAL COST OF BUILDINGS	\$0
GRAND TOTAL COST OF STRUCTURES		\$42,144,000
GR/	AND TOTAL COST OF BUILDINGS	\$0

Structures Mobilization Percentage 10% \$4,214,400

 $Recommended\ Contingency: (Pre-PSR\ 30\%-50\%,\ PSR\ 25\%,\ Draft\ PR\ 20\%,\ PR\ 15\%,\ after\ PR\ approval\ 10\%,\ Final\ PS\&E\ 5\%)$

Retaining Wall (RW-180)

Structures Contingency Percentage 20% \$8,428,800

GRAND TOTAL COST OF STRUCTURES \$54,787,200

 Estimate Prepared By:
 Syed Kazmi
 6/18/2019

 AECOM Division of Structures
 Date

EA: 04-0Q300 PID: 0418000069

\$10,600,000

III. RIGHT OF WAY

A)	A1) Acquisition, including Excess Land Purchases, Damages & Goodwill, Fees A2) SB-1210	\$ \$	500,000 0	8.00%	680,244 0 0
B)	Acquisition of Offsite Mitigation B1) Stormwater Mitigation B2) Environmental Mitigation	\$ \$	7,600,000 1,500,000	5.00% 5.00%	9,237,848 1,823,259
C)	C1) Utility Relocation (Project Share) C2) Potholing (Design Phase)	\$ \$	1,000,000	5.00%	1,215,506 0 0
D)	Railroad Acquisition	\$	0		0
E)	Clearance / Demolition	\$	0		0
F)	Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0		0
G)	Title and Escrow	\$			0
H)	Environmental Review		0		0
I)	Condemnation Settlements	\$	0	8.00%	0
J)	Design Appreciation Factor	\$	0		0
K)	Utility Relocation (Construction Cost)	\$	0		0 0
L)	Grantor's Appraisal Cost	\$			0 0

N)	TOTAL R/W ESTIMATE: Escalated	\$12,956,858
0)	RIGHT OF WAY SUPPORT	\$500,000

TOTAL RIGHT OF WAY ESTIMATE

Support Cost Estimate	Steve Castelliano - ARWS	(925) 691-8500
Prepared By	Project Coordinator ¹	Phone
Utility Estimate Prepared	Sang Kim - AECOM	(408) 961-8411
Ву	Utiliy Coordinator ²	Phone
R/W Acquistion Estimate	Steve Castelliano - ARWS	(925) 691-8500
Prepared By	Right of Way Estimator ³	Phone

Note: Items G & H applied to items A + B

M)

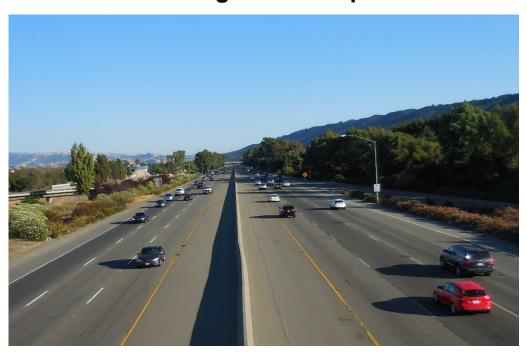
² When estimate has Utility Relocation ³ When R/W Acquisition is required

Attachment - E Final Environmental Document Signature Page

Interstate 680 Express Lanes from State Route 84 to Alcosta Boulevard Project

ALAMEDA COUNTY AND CONTRA COSTA COUNTY, CALIFORNIA 04-ALA-680 – PM R10.6/R21.9 04-CC-680 – PM R0.0/1.1 EA 04-0Q3000 / Project ID 0418000069

Initial Study with Mitigated Negative Declaration/Environmental Assessment with Finding of No Significant Impact



Prepared by the State of California, Department of Transportation and the Alameda County Transportation Commission

The environmental review, consultation, and any other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by Caltrans pursuant to 23 USC 327 and the Memorandum of Understanding dated December 23, 2016, and executed by FHWA and Caltrans.



October 2020

SCH: 2020050579 04-ALA-680 PM 10.6/21.9; 04-CC-680 PM 0.0-1.1 EA No. 04-0Q3000

Project No. 0418000069

Modify I-680 from SR 84 to Alcosta Boulevard in the Counties of Alameda and Contra Costa, California (Post Miles R10.6 to R21.9 in Alameda County and R0.0 to R1.1 in Contra Costa County)

Initial Study with Mitigated Negative Declaration/Environmental Assessment with Finding of No Significant Impact

Submitted Pursuant to: (State) Division 13, California Public Resources Code (Federal) 42 USC 4332(2)(C), 49 USC 303, and/or 23 USC 138

THE STATE OF CALIFORNIA Department of Transportation

Cooperating Agencies: U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, Federal Highway Administration, California Department of Fish and Wildlife, San Francisco Bay Regional Water Quality Control Board

Responsible Agencies: Alameda County Transportation Commission, California Transportation Commission

Tony Tavares

11/02/2020

Date

Tony Tavares
District Director
California Department of Transportation
NEPA and CEQA Lead Agency

The following person may be contacted for more information about this document:

Brian Gassner California Department of Transportation, District 4 P.O. Box 23660, MS 8B Oakland, CA 94623-0660 510-506-0372

CALIFORNIA DEPARTMENT OF TRANSPORTATION FINDING OF NO SIGNIFICANT IMPACT (FONSI)

FOR

Interstate 680 Express Lanes from State Route 84 to Alcosta Boulevard Project

The California Department of Transportation (Caltrans) and Alameda County Transportation Commission has determined that the Build Alternative will have no significant impact on the human environment. This FONSI is based on the attached Initial Study/Environmental Assessment (IS/EA) which has been independently evaluated by Caltrans and determined to adequately and accurately discuss the need, environmental issues, and impacts of the proposed project and appropriate mitigation measures. It provides sufficient evidence and analysis for determining that an Environmental Impact Statement is not required. Caltrans takes full responsibility for the accuracy, scope, and content of the attached IS/EA.

The environmental review, consultation, and any other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by Caltrans pursuant to 23 USC 327 and the Memorandum of Understanding dated December 23, 2016 and executed by FHWA and Caltrans.

Tony Tavares

Date

11/02/2020

Tony Tavares

Director

California Department of Transportation

District 4

SCH: 2020050579

Mitigated Negative Declaration

Pursuant to: Division 13, Public Resources Code

Project Description

The California Department of Transportation (Caltrans), in cooperation with the Alameda County Transportation Commission (Alameda CTC), proposes to construct High Occupancy Vehicle/express lanes (HOV/express lanes) on northbound and southbound Interstate 680 (I-680) from State Route (SR) 84 (Vallecitos Road) in Alameda County to north of Alcosta Boulevard in Contra Costa County. HOV/express lanes are specially designated freeway lanes that are free for eligible HOVs and also give other vehicles, including single-occupant vehicles (SOVs), the option to pay a toll to use the lane.

The proposed project extends for approximately 9 miles along I-680 from post mile (PM) R10.6 to R21.9 in Alameda County and from PM R0.0 to R1.1 in Contra Costa County. The new HOV/express lanes would pass in or near the cities of Pleasanton, Dublin, and San Ramon, and the community of Sunol.

Determination

Caltrans has prepared an Initial Study for this project, and following public review, has determined from this study that the project would not have a significant effect on the environment for the following reasons:

The project would have no effect on agriculture and forestry resources, land use and planning, mineral resources, population and housing, recreation, and tribal cultural resources.

In addition, the project would have less than significant effects to aesthetics, air quality, cultural resources, geology and soils, greenhouse gas emissions, hazards and hazardous materials, hydrology and water quality, transportation, public services, noise, utilities and service systems, and wildfire.

With avoidance, minimization, and mitigation measures, the project would have less-than-significant effects to biological resources, specifically sensitive natural communities, trees, wetlands and other waters of the U.S., and threatened and endangered species (California tiger salamander, California red-legged frog, and Alameda whipsnake).

Tony Tavares

11/02/2020

Tony avares
District Director

California Department of Transportation

District 4

Date of Approval

Summary

The California Department of Transportation (Caltrans), in cooperation with the Alameda County Transportation Commission (Alameda CTC), proposes to construct High Occupancy Vehicle/express lanes (HOV/express lanes) on northbound and southbound Interstate 680 (I-680) from State Route (SR) 84 (Vallecitos Road) in Alameda County to north of Alcosta Boulevard in Contra Costa County. HOV/express lanes are specially designated freeway lanes that are free for eligible HOVs and also give other vehicles, including single-occupant vehicles (SOVs), the option to pay a toll to use the lane.

The proposed project would extend for approximately 9 miles along I-680 from post mile (PM) R10.6 to R21.9 in Alameda County and from PM R0.0 to R1.1 in Contra Costa County. The new HOV/express lanes would pass in or near the cities of Pleasanton, Dublin, and San Ramon, and the community of Sunol.

Caltrans, as assigned by the Federal Highway Administration (FHWA), is the lead agency under the National Environmental Policy Act (NEPA). Caltrans is also the lead agency under the California Environmental Quality Act (CEQA).

The purpose of the project is to increase the efficiency of the transportation system within the project limits; improve travel time and reliability; optimize freeway system management and traffic operations; and contribute to the completion of HOV/express lanes between Santa Clara County and Contra Costa County.

The project is needed because high transportation demand leads to congestion and reduced vehicle speeds on I-680 in the project area for approximately 10 hours each weekday. Future travel demand on I-680 will continue to exceed the available capacity during peak periods, adversely affecting travel speeds and increasing the level and duration of congestion. The systems used to manage the HOV/express lanes and optimize freeway operations would improve travel time reliability and relieve traffic congestion that contributes to accidents. In addition, the project would optimize the effectiveness of the existing and in-construction HOV/express lane segments to the south and north.

NEPA Assignment

California participated in the "Surface Transportation Project Delivery Pilot Program" (Pilot Program) pursuant to 23 USC 327, for more than five years, beginning July 1, 2007, and ending September 30, 2012. The Moving Ahead for Progress in the 21st Century Act (MAP-21; P.L. 112-141), signed by President Obama on July 6, 2012, amended 23 USC 327 to establish a permanent Surface Transportation Project Delivery Program. As a result, Caltrans entered into a Memorandum of Understanding pursuant to 23 USC 327 (NEPA Assignment MOU) with FHWA. The NEPA Assignment MOU became effective October 1, 2012, and was renewed on December 23, 2016, for a term of five years. In summary, Caltrans continues to assume FHWA responsibilities under NEPA and other federal environmental laws in the same manner as was assigned under the Pilot Program, with minor changes. With NEPA Assignment, FHWA assigned and Caltrans assumed all of the United States Department of Transportation (USDOT) Secretary's responsibilities under NEPA. This assignment includes projects on the State Highway System and Local Assistance Projects off of the State Highway System within the

State of California, except for certain categorical exclusions that FHWA assigned to Caltrans under the 23 USC 326 CE Assignment MOU, projects excluded by definition, and specific project exclusions.

Project Impacts

Table S-1 summarizes the effects of the Build Alternative in comparison with the No Build Alternative. The proposed avoidance, minimization, and/or mitigation measures to reduce the effects of the Build Alternative are also presented. This environmental document evaluates the potential effects of the Build Alternative. A complete description of potential effects and recommended measures is provided in Chapter 2.

Table S-1: Summary of Impacts and Avoidance, Minimization, and/or Mitigation Measures

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
Existing and Future Land Use	None.	None.	None.
Consistency with State, Regional and Local Plans and Programs	The No Build Alternative would be inconsistent with <i>Plan Bay Area 2040</i> because it would not contribute to the Regional Express Lanes Network. It would also be inconsistent with the 2014 Alameda County Transportation Expenditure Plan, San Ramon General Plan, and Pleasanton General Plan because it would not reduce traffic congestion.	The Build Alternative would be consistent with most applicable plans and policies. It would be somewhat consistent with the San Ramon General Plan because, although it would support a reduction in traffic congestion, it would not reduce vehicle miles traveled. The Build Alternative would also be somewhat consistent with the State Scenic Highway Program and Landscaped Freeway Program because it would remove vegetation along the freeway and add retaining walls and overhead signage.	VIS-1, VIS-2, VIS-3, VIS-4 (see Visual/Aesthetics below) BIO-4 (see Natural Communities below)
Parks and Recreation Facilities	None.	The Build Alternative would not acquire land from any publicly owned park or recreational facility. Construction activities would not require temporary construction easements from, or the closure, alteration, or other use of, any park facility. Recreationists on the Centennial Trail could be exposed to short-term, temporary noise and views of project construction, but construction is not expected to affect trail use.	None.
Growth	None.	The Build Alternative would increase the capacity of I-680 in the project area but would not change overall land use or provide access to previously undeveloped land. It would accommodate planned growth but would not affect land use decisions in a way that would encourage growth beyond reasonably foreseeable levels.	None.

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
Environmental Justice	None.	The Build Alternative would include work in two block groups that meet the criteria of an environmental justice community of concern. Project construction would not disproportionately affect these communities. Use of the HOV/express lanes is optional, and the project would maintain the existing number of general-purpose lanes. Express lane tolls would not cause a disproportionately high and adverse effect on environmental justice communities of concern.	None.
Utilities/Emergency Services	None.	The Build Alternative would require relocation of overhead electrical lines, underground gas and electrical lines, fiber optic conduit, and cable lines, which may result in short-term, temporary interruptions of service. It would not result in long-term effects on utilities or emergency services.	None.
Traffic and Transportation	With the No Build Alternative, long segments of the project area would operate at level of service (LOS) F during the AM and PM peak periods in 2025 and 2045, particularly in the southbound direction. In 2025 and 2045, the No Build Alternative would result in longer peak period vehicle hours of delay, slightly longer travel times, lower travel speeds, and longer individual delays than the Build Alternative.	The majority of I-680 in the project area would operate at LOS E or better during the AM and PM peak periods in 2025 and 2045. Considerably fewer areas would operate at LOS F than with the No Build Alternative. In 2025 and 2045, the Build Alternative would reduce vehicle hours of delay, travel times, travel speeds, and individual delays compared to No Build. Vehicle miles traveled would be 1 percent higher in 2025 and 3-5 percent higher in 2045 than with No Build, as the Build Alternative would reduce diversion to parallel arterials and the SR 84 corridor. Construction-related closures and detours could result in temporary, short-term disruption to motorists.	None.

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
Visual/ Aesthetics	None.	The Build Alternative would result in visual impacts ranging from moderate to moderatehigh for highway users and highway neighbors due to new overhead signs and lighting, vegetation removal, the potential reconstruction of sound walls, and the addition of retaining walls.	BIO-4 (see Natural Communities below) VIS-1. Minimize the removal of groundcover, shrubs and mature trees to the maximum extent possible, utilizing open areas for contractor staging/storage areas. Protect existing vegetation outside the clearing and grubbing limits from the contractor's operations, equipment and materials storage. Place high visibility temporary fencing around vegetation to be protected before roadway work begins. Provide truck watering of vegetation when automated irrigation is interrupted by construction. VIS-2. Replace removed shrubs and trees at a minimum 1:1 replacement ratio. Fund required planting through the parent roadway contract to be completed as a separate contract within 2 years of roadway completion. Plant vines along sound walls where feasible. VIS-3. All disturbed areas shall receive hydroseeded treatment of erosion control grasses, and if appropriate, locally native grasses. VIS-4. The design and color treatment for the new project features shall be similar to the existing adjacent structures and poles, so to be visually compatible and consistent with the existing installations along the corridor. See Section 2.1.8.4 for additional measures.

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
Cultural Resources	None.	One previously recorded resource has been identified in the APE. This area will be designated as an Environmentally Sensitive Area (ESA) and excluded from project activities.	CUL-1. If cultural materials are discovered during construction, all earth-moving activity within and around the immediate discovery area will be diverted until a qualified archaeologist can assess the nature and significance of the find. CUL-2. If human remains are discovered, California Health and Safety Code Section 7050.5 states that further disturbances and activities shall stop in any area or nearby area suspected to overlie remains, the Caltrans Branch Chief of Archaeology shall be notified, and then the County Coroner contacted. If the remains are thought by the coroner to be Native American, the coroner will notify the Native American Heritage Commission (NAHC), who, pursuant to California Public Resources Code (PRC) Section 5097.98, will then notify the Most Likely Descendent (MLD). At this time, the person who discovered the remains will contact the Branch Chief of Cultural Resources, Archaeology so that they may work with the MLD on the respectful treatment and disposition of the remains. Further provisions of PRC 5097.98 are to be followed as applicable. CUL-3. To ensure avoidance of the previously determined eligible site, the site will be designated as an ESA for the duration of the project in accordance with the requirements set forth in the Environmentally Sensitive Area Action Plan. The requirements include delineating the ESA on all project plans, conducting a preconstruction meeting with construction personnel to ensure that the ESA is properly understood, and coordinating/monitoring ESA installation by the contractor. In addition, an archaeologist will conduct field reviews of the ESA to ensure that it remains intact and is not compromised.
Hydrology and Floodplain	None.	The Build Alternative would add less than 5 acres of impervious area to floodplains within the project limits, and no longitudinal encroachment would occur.	None.

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
Water Quality and Storm Water Runoff	None.	The Build Alternative would result in 46.34 acres of new and reworked impervious area with the potential to increase pollutant concentrations; increase velocity, volume, and temperature of downstream flows; result in hydromodification; and reduce groundwater recharge.	WQ-1: Implement temporary erosion control and water quality measures as required by the Construction General Permit. WQ-2. During the PS&E phase, the PDT will consider biofiltration swales/strips, detention devices, and gross solid removal devices to promote infiltration and dispersion of runoff. WQ-3. During the PS&E phase, design drainage that includes the use of culvert end devices such as flared end sections, tees, and rock slope protection to dissipate and disperse the energy of runoff as it flows out of the culverts onto open land, existing ditches, or treatment BMPs. WQ-4. During the PS&E phase, design hydromodification management measures sized per the Alameda Countywide Clean Water Program's C.3 Technical Guidance (2016).
Paleontology	None.	Construction of the Build Alternative would encounter geologic units that are known to contain paleontological resources.	PAL-1. Implementation of the following measures would avoid potential impacts to sensitive paleontological resources, if present. Update and finalize the Paleontological Mitigation Plan once project design is nearly complete. The final plan will be implemented during construction. Include a specification in the construction contract stating that paleontological monitoring will occur in accordance with the Paleontological Mitigation Plan.
Hazardous Waste/ Materials	None.	Construction and maintenance of the Build Alternative would involve the routine transport, use, and disposal of hazardous materials (e.g., fuels, paints, and lubricants), and could result in the potential disturbance of hazardous materials in soil, groundwater, and building materials. Lead and pesticide contamination in soil, undocumented contamination from rail and pipeline operations, contaminated groundwater, and hazardous building materials containing lead, asbestos, and hydrocarbons and metals could be encountered during construction.	HAZ-1. During the final project design phase, a Preliminary Site Investigation (PSI) will be performed in accordance with current Caltrans guidance to investigate hazardous materials concerns related to soil, groundwater, and building materials within the project limits and include required measures for managing hazardous materials encountered during project construction to protect human health and the environment. These measures shall be incorporated in the final project design.
Air Quality	None.	Construction of the Build Alternative would generate emissions of criteria air pollutants and precursors that could potentially affect air quality.	None.

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
Noise and Vibration	Projected noise levels for the 2045 design year are expected to increase 0 to 1 dBA compared to the existing condition. Several locations would approach or exceed the Noise Abatement Criteria (NAC).	The Build Alternative is anticipated to increase future (2045) noise levels by 0 to 3 dBA over existing conditions and by 0 to 2 dBA over No Build. Projected noise levels for the 2045 design year are expected to approach or exceed the NAC at several locations. Abatement measures were evaluated because a traffic noise impact would occur. Caltrans intends to incorporate noise abatement in the form of Barriers 13–Relocated and 14A–Relocated, if the existing barriers need to be moved to accommodate roadway widening. Construction noise for all receptors would be short-term and intermittent, except in the area between Amador Valley Boulevard and Alcosta Boulevard, where this Alternative may remove and reconstruct existing sound walls. Noise levels would increase by up to 6 dBA while the sound walls are absent. If conducted at night, pile driving would generate substantially higher hourly noise levels than existing nighttime levels. In addition, construction has the potential to temporarily increase noise levels at Dublin Elementary School. Vibratory roller use could affect vibrationsensitive equipment at nearby technology buildings in the business park on Arlington Drive.	NOI-1. Standard Caltrans measures that are used for all projects include that construction noise shall not exceed a maximum sound level of 86 dBA at 50 feet from job site activities between the hours of 9:00 PM to 6:00 AM. Measures listed in Section 2.2.6.4 will also be implemented to minimize or reduce the potential for noise impacts from project construction.

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
Natural Communities	None.	The Build Alternative would result in temporary or permanent impacts to grasslands, forest and woodland, scrubland, wetland, and riverine communities.	BIO-1 . Several measures, which are detailed in Section 2.3.1.3, would be implemented as part of construction to minimize and/or avoid impacts to sensitive vegetation communities, species, and habitat as well as to common biological resources.
		The project would have direct and indirect permanent impacts to trees through the removal of woodland habitat due to ground disturbance during construction or heavy pruning. The Build Alternative would not affect wildlife movement between the west and east sides of I-680. No impacts to fish passage would occur.	BIO-2. Compensatory mitigation for temporary impacts to vegetation communities or Natural Communities of Concern under CEQA, including valley oak woodland, will be provided through the restoration of habitat by planting native species that are typical to that habitat. If enough space is not available for on-site mitigation, off-site like-habitat providing these species habitat requirements will be preserved through the purchase of mitigation bank credits.
			BIO-4 . Tree replanting and mitigation ratios will be determined in consultation with CDFW. The need for some off-site tree planting may be required. Replanted areas will be monitored for success for up to 10 years. Additional details are provided in Section 2.3.1.3.

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
Wetlands and Other Waters of the United States	None.	The Build Alternative has the potential to temporarily impact less than 0.01 acre of potentially jurisdictional other waters of the United States. The project has the potential to permanently impact 0.04 acre and temporarily impact 0.09 acre of potentially jurisdictional culverted waters of the United States as a result of culvert upgrades and repairs. Project activities have the potential to result in a total of 215 linear feet of permanent and 6,272 linear feet of temporary impacts to nonjurisdictional stormwater features.	BIO-5. Culverts in serviceable condition would be extended to address the proposed widening and to maintain existing drainage patterns, while undersized culverts would be replaced with larger sizes where feasible (i.e., any culvert under 16 inches in diameter will be enlarged to at least 16 inches, and to over 24 inches where space allows). BIO-6. Standard Caltrans measures that are used for all projects include that a storm water pollution prevention plan (SWPPP) and erosion control BMPs will be developed and implemented to minimize any wind or water-related material discharges, in compliance with the requirements of the Regional Water Quality Control Board (RWQCB) as well as the 2018 Caltrans Standard Specifications, Section 13. The SWPPP must also comply with the goals and restrictions identified in the RWQCB's Basin Plan. Any additional measures included in the Water Quality Certification will be implemented. The contractor will also comply with the standards/objectives noted in Section 2.3.2.4. BIO-7. Under Federal and State guidance and rules, adverse, unavoidable impacts to wetlands and other aquatic resources require compensatory mitigation to offset the loss of the functions and values of the feature. Temporary impacts will be mitigated at a minimum 1:1 ratio. A 3:1 ratio is standard for permanent impacts to wetlands and other aquatic resources based on a project's risk of failure to compensate for impacts to wetlands (mitigation project), and the temporal loss, or reduction of functions, during the time it takes a mitigation project to achieve the targeted level of performance for all of its functions. Impacted culverts will be replaced in kind on site. No other mitigation is required.
Plant Species	None.	Congdon's tarplant, stinkbells, Diablo helianthella, and bristly leptosiphon have a low potential to occur. The project would have permanent impacts to 0.13 acre of California annual grassland, 7.01 acres of ruderal grassland, and 0.45 acre of woodland that could provide potential habitat for the species, if present.	BIO-1 and BIO-6 (see above) BIO-8. Before the commencement of construction activities, a qualified biologist shall conduct appropriately timed surveys for the listed plant species. To correspond with these species' blooming periods, the surveys shall include botanical inventories between March and June (to coincide with the blooming period of stinkbells, Diablo helianthella, and bristly leptosiphon) and May through October (the blooming period of Congdon's tarplant). If listed plant species are discovered within the construction area, protective measures will be established as described in Section 2.3.3.4.

Affected Resource	Potential Impact:	Potential Impact:	Avoidance, Minimization, and/or Mitigation Measures
	No Build Alternative	Build Alternative	
Animal Species	None.	habitat for western pond turtle, western burrowing owl, San Francisco dusky-footed woodrat, American badger, nesting raptors, migratory birds, and special-status and "high priority" bats through the disturbance of nests, foraging habitat, or roosting sites.	BIO-1 and BIO-6 (see above) Western Pond Turtles: BIO-9. Before any construction activities begin, an approved biologist(s) shall conduct a training session for all construction personnel. In addition, an approved biologist(s) shall survey the work site no more than 48 hours before the onset of activities for signs of western pond turtles and/or western pond turtle nesting activity or nest depredation. Section 2.3.4.4 provides additional details.
		impact diurnal wildlife activities.	Nesting Raptors and Migratory Birds: BIO-1 (see above) and Migratory Bird Special Contract Provisions will be adhered to.
			BIO-10. Preconstruction surveys for raptors will be conducted within 500 feet of the construction area, and surveys for other special-status birds and appropriate nesting habitat will be conducted within 50 feet of the construction area, no more than three days prior to ground disturbing activities. Section 2.3.4.4 provides additional details.
			Western Burrowing Owl: BIO-1 (see above) and Migratory Bird Special Contract Provisions will be adhered to.
			BIO-11. Appropriate avoidance, minimization, or protection measures shall be determined in consultation with the CDFW in the event an active burrow is located in an area subject to disturbance, or within the typical setback (i.e., occupied burrows or nests within 150 feet of an area subject to disturbance during the nonbreeding season, or within 250 feet of an area subject to disturbance during the breeding season).
			San Francisco Dusky-Footed Woodrat: BIO-12. Focused species surveys will be conducted to determine the presence of San Francisco Dusky-Footed Woodrat in the project area, prior to the start of construction. A woodrat trapping and relocation plan will be developed and implemented prior to project construction. Specific methods for trapping are described in Section 2.3.4.4.

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Build Alternative	Avoidance, Minimization, and/or Mitigation Measures
			American Badger: BIO-13. Preconstruction surveys will be conducted within the project footprint in areas of suitable habitat to identify dens or signs of American badger. If an American badger is detected on site at any time during these surveys, CDFW will be contacted to discuss ways to proceed with the project and to avoid take to the maximum extent practicable.
			Special-Status and "High Priority" Bats: BIO-14. Focused preconstruction surveys will be conducted for all areas that provide suitable bat roosting habitat. Sensitive habitat areas and roost sites will be avoided to the maximum extent practicable as described in Section 2.3.4.4.
			General Measure: BIO-15. Potential light, glare, and construction noise and vibration impacts on wildlife will be addressed through use of lighting in areas only where necessary for safety and signage; downcast lighting to minimize illumination of natural areas, particularly in riparian areas and adjacent to drainages; and limiting operation of vibration-causing equipment to daylight hours when working in areas adjacent to open space. A biological monitor shall be present to observe activities of wildlife during nighttime construction adjacent to open spaces.

Affected Resource	Potential Impact:	Potential Impact:	Avoidance, Minimization, and/or Mitigation Measures
	No Build Alternative	Build Alternative	
Threatened and	None.	The Build Alternative may affect and is likely to	BIO-1 and BIO-6 (see above)
Endangered Species		adversely affect California tiger salamander, California red-legged frog, and Alameda whipsnake.	California Tiger Salamander: BIO-16. Work will occur during the dry season, where feasible. Pre-construction surveys will occur near suitable habitat. An approved biologist will clear the site of California tiger salamander 24 hours prior to ground-disturbing activities, and will be present during construction activities. Excavated trenches more than 1 foot deep with walls steeper than 30 degrees shall be covered or have an escape ramp and trenches will be inspected prior to filling. An erosion and sediment control plan will be implemented. If individuals are observed, the steps outlined in Section 2.3.5.4 will be followed.
			BIO-17. On-site mitigation will include restoration of all temporarily impacted areas. Off-site mitigation under the California Endangered Species Act (CESA) will include purchase of habitat credits at a 3:1 ratio from an approved mitigation bank.
			California Red-Legged Frog: BIO-18. Pre-Construction surveys will occur near suitable refuge habitats. Potentially occupied refugia will be fenced and avoided for the duration of activity at that location.
			The avoidance and minimization measures listed to avoid impacts to California tiger salamander and California red-legged frog are applicable to the Alameda whipsnake.
Invasive Species	None.	Project construction activities have the potential to inadvertently spread noxious weed species.	BIO-19. The landscaping and erosion control included in the project will not use species listed as invasive. In areas of particular sensitivity, extra precautions will be taken if invasive species are found in or next to the construction areas. These include the inspection and cleaning of construction equipment and eradication strategies to be implemented should an invasion occur.
Cumulative Impacts	None.	The Build Alternative would contribute incrementally to cumulative visual/aesthetic impacts. The proposed measures and adherence to Caltrans standard design requirements would reduce impacts. The net impact would not be cumulatively considerable. Impacts to oak woodlands and threatened and	Visual/Aesthetic: VIS-1, VIS-2, VIS-3, VIS-4 (see Visual/Aesthetics); BIO-4 (see Natural Communities) Oak Woodlands: BIO-1, BIO-2, BIO-3, BIO-4 (see Natural Communities) Threatened and Endangered Species: BIO-1 (see Natural Communities), BIO-6 (see Wetlands and Other Waters of the United States), BIO-16, BIO-17, BIO-18 (see Threatened and Endangered Species)
		endangered species would be minimal. No cumulative effects are anticipated for the remaining resource areas.	

Affected Resource	Potential Impact: No Build Alternative	Potential Impact: Avoidance, Minimization, and/or Mitigation Measu Build Alternative	
Wildfire	None.	The Build Alternative would not impair implementation of an emergency response or emergency evacuation plan, exacerbate wildfire risks or expose project occupants to pollutants from a wildfire or the uncontrolled spread of a wildfire, increase wildland fire risk through installation or maintenance of associated infrastructure, or result in downslope or downstream flooding or landslides as a result of runoff, post-fire slope instability, or drainage changes.	WQ-1, WQ-2, WQ-3, WQ-4 (see Water Quality and Storm Water Runoff)
Climate Change	None.	The daily carbon dioxide emissions estimated for the Build Alternative would be lower in the opening year (2025), horizon year (2040), and design year (2045) compared to the existing year (2018). The estimated daily carbon dioxide emissions for the Build Alternative during the opening year, horizon year, and design year scenarios would be slightly higher (up to 0.3 percent) than the emissions for the No Build Alternative.	The proposed HOV/express lanes would encourage and support ridesharing, carpooling, and transit use, to reduce vehicle trips and their associated GHG emissions. In addition, the project would limit GHG emissions through the use of intelligent transportation system features for traffic management, Caltrans Standard Specifications requirements for construction contractors to comply with air pollution control measures, implementation of a Transportation Management Plan during construction to minimize traffic delays, and use of energy-efficient LED lighting fixtures.
		Project construction would result in a temporary increase in greenhouse gas (GHG) emissions that would be offset by the long-term improvement in operational greenhouse gas emissions.	
		The project area is not in area subject to sealevel rise. The Build Alternative is not anticipated to exacerbate the effects of climate change in terms of precipitation depth or wildfire.	

Attachment - F Storm Water Data Report Signature Page

	DIST-600Hty-Route. <u>04-ALA-660, 04-66-680</u>
	Post Mile Limits: ALA-680-R10.6/R21.9, CC-680-R0.0/R1.1
	Type of Work: Express Lane Widening
	Project ID (EA): 0418000069 (04-003000)
Caltrans°	Program Identification: STIP and Locally Funded
www	Phase: ☐ PID
	Filase. Fib FAy Eb FS&E
Regional Water Quality Control	Board(s): San Francisco Bay (2)
Total Disturbed Soil Area: 75.4	2 acres PCTA: 46.34 acres
	12
Estimated Const. Start Date: $\underline{0}$	4/03/2023 Estimated Const. Completion Date: <u>10/30/2026</u>
Risk Level: RL 1	RL 2
ls MWELO applicable? Yes	⊠ No □
ls the Project within a TMDL wa	atershed? Yes ⊠ No □
TMDL Compliance Units	s (acres): 18.25 (pervious area treatment)
Notification of ADL reuse (if yes	s, provide date): Yes ⊠ Date: <u>TBD at PS&E</u> No □
Licensed Person attests to the	under the direction of the following Licensed Person. The technical information contained herein and the date upon which and decisions are based. Professional Engineer or Landscape &E only.
1110	
analete a	4/1/19
Analette Ochoa, P.E., Registere	d Project Engineer Date '
have reviewed the stormwater	r quality design issues and find this report to be complete,
current, and accurate:	quanty design issues and this report to be complete,
	4/7/18
	Jack Slauw, Project Manager Date
	Date
	Market for 04/29/19
	Amrinder Jhajj, Designated Maintenance Date
	Representative
	(19x Mesouar) 4.29.2019
	Alex McDonald, Designated Landscape Architect Date
	Representative
	Morman Gamelines notas 1200
[Stamp Required at PS&E only]	Norman Gonsalves, District/Regional Design SW Date
Jolanip Nequired at FORE Unity	Coordinator or Designee

DATE: May 2019

Project ID (EA): 0418000069 (04-003000)

No.	Criteria	Yes	No 🗸	Supplemental Information for Evaluation
1.	Begin Project evaluation regarding requirement for implementation of Treatment BMPs	1		See Figure 4-1, Project Evaluation Process for Consideration of Treatment BMPs. Continue to 2.
2.	Is the scope of the Project to install Treatment BMPs (e.g., Alternative Compliance or TMDL Compliance Units)?		✓ .	If Yes, go to 8. If No, continue to 3.
3.	Is there a direct or indirect discharge to surface waters?	√		If Yes, continue to 4. If No, go to 9.
4.	As defined in the WQAR or ED, does the project: a. discharge to Areas of Special Biological Significance (ASBS), or		*	If Yes to any, contact the District/Regional Design Stormwater Coordinator or District/Regional NPDES Coordinator to discuss the Department's obligations, go to 8 on 5.
	b. discharge to a TMDL watershed where Caltrans is named stakeholder, or	1		/// (Dist./Reg. Coordinator initials)
	c. have other pollution control requirements for surface waters within the project limits?		~	If No to all, continue to 5.
5.	Are any existing Treatment BMPs partially or completely removed? (ATA Condition 1, Section 4.4.1)		✓	If Yes, go to 8 AND continue to 6.
6.	Is this a Routine Maintenance Project?		1	If No, continue to 6. If Yes, go to 9. If No, continue to 7.
7.	Does the project result in an increase of one acre or more of new impervious surface (NIS)?			If No, go to 9.
8.	8. Project is required to implement Treatment BMPs.		hecklist T-1,	
9.	Project is not required to implement Treatment BMPs(Dist./Reg. Design SW Coord. Initials)(Project Engineer Initials)(Date)	Document (for Project Fi	les by completing this form and attaching it to the SWDR.

Attachment - G

Right of Way Data Sheet and Preliminary Right of Way Requirements

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DATA SHEET FOR LOCAL PUBLIC AGENCIES

EXHIBIT 17-EX-21 (Rev 12/2014) Page 1 of 7

To: District Office Chief Date: 03/09/2020

R/W Local Programs Co. <u>Alameda</u> Rte. <u>680</u> P.M. <u>10.6 / 21.4</u>

Co. Contra Costa Rte. 680 P.M. 0.0 / 1.1 Expense Authorization: 04-0Q3000

Attention: District Branch Chief

Local Programs

Subject: RIGHT OF WAY DATA SHEET- LOCAL PROGRAMS

Project Description: Express Lanes on I-680 Northbound and Southbound between SR 84 and Alcosta Blvd.

Right of way necessary for the subject project will be the responsibility of the <u>Alameda County Transportation</u> Commission.

The information in this data sheet was developed by AECOM.

I. Right of Way Engineering

What level of right of way engineering is required for this project?

___ Minimal (Requires Right of Way Retracement Narrative)

- No fee or easement acquisitions are required for the project; AND
- No excess lands will be created by the project; AND
- No Temporary Construction Easements (TCEs) are required for the project; AND
- No retaining walls, sound walls, footings, signs, traffic signals, or similar improvements will be constructed within ten feet of the existing right of way line.
- X Minor (Requires Land Net, and PS&E Project Control sheets)
 - No fee or easement acquisitions are required for the project; AND
 - No excess lands will be created by the project; AND one or both of the following:
 - Temporary Construction Easements (TCEs) are required for the project;
 - Improvements will be constructed within ten feet of the existing right of way line.

____ Moderate (Requires Land Net, PS&E Project Control sheets, Base Map, and Appraisal Map)

- At least one fee and/or easement (except TCEs) acquisition is required for the project; AND
- No excess lands will be created by the project; AND
- No parcels will be transferred to the State.

____ Major (Requires full compliance with Right of Way Manual and Local Public Agency Coordination (LPAC) Guidelines including, but not limited to, pre-design Record of Survey, Base Map, Appraisal Map, legal descriptions and deeds, property transfer documents, JUAs/CCUAs, Record Map, monuments, and one or more Record of Surveys)

- One or more fee and/or easement parcels will be transferred to the State; AND/OR
- Excess lands will be created by the project.

RIGHT OF WAY DATA SHEET FOR LOCAL PUBLIC AGENCIES

II. **Engineering Surveys**

III.

Is any surveying or photogrammetric mapping required?
No (Provide explanation)
X Yes (Complete the following)
<u>Datum Requirements</u>
1. The units for this project are
X U. S. Survey Feet;
Metric (Provide explanation).
2. The horizontal datum for this project is
X California Coordinate System of 1983 (NAD 83, Epoch <u>2010.00</u>);
California Coordinate System of 1983 (NAD 83 (), Epoch); (Provide Datum Tag and Epoch).
Other (Provide explanation).
3. The vertical datum for this project is
X North American Vertical Datum of 1988 (NAVD 88);
National Geodetic Vertical Datum of 1927 (NGVD 27) (Provide explanation).
Other (Provide explanation).
Parcel Information (Land and Improvements)
Are there any property rights required within the proposed project limits?
No Yes <u>X</u> (Complete the following)
Provide a general description of the right of way and excess lands required (zoning, use, major improvements critical or sensitive parcels, etc.)

Temporary Construction Easements are needed from approximately 7 parcels (6 property owners). Of these parcels, 1 is rurally zoned, 4 with industrial commercial zoning, One of the parcels is owned by San Francisco Public Utilities Commission and One parcel owned by City of Pleasanton.

IV.

V.

RIGHT OF WAY DATA SHEET FOR LOCAL PUBLIC AGENCIES

Page 3 of 7

	Right of Way Cost Estimate:	Current Value	Escalation Rate	ı	Escalated Value
A.	Acquisition, including Excess Lands, Damages, and Goodwill	\$500,000	8	%	\$680,244
	Environmental and Stormwater Mitigation	\$9,100,000	5	%	\$11,061,10
	Grantor's Appraisal Cost	\$0_	N/A	_	\$0
B.	Utility Relocation - Project Liability (from Section VII)	\$1,000,000	5	%	\$1,215,50
C.	Relocation Assistance	\$0	0		\$0
D.	Clearance Demolition	\$0	0	%	\$0
E.	Title and Escrow Fees	\$0	0	%	\$
F.	TOTAL ESCALATED VALUE				\$12,956,85
	Railroad Construction Costs (flagger, track work etc)	\$0_	(These are construction to be inclusive) (These are construction)	on costs ided in	
H.	Construction Contract Work	\$0	to be inclu PS&E)	ided in	
I.	TOTAL PARCEL COUNT	7_			
	TOTAL PARCEL COUNT		construction to be inclu	on costs	
16	ere any property rights that have been acquis for the Project?	red, or anticipate will b	e acquired, th	rough the	e "dedication"
	•	h - £-11			
	No X Yes (Complete the	ne iollowing)			
Jumbe	No X Yes (Complete the of dedicated parcels:	ne ronowing)			

RIGHT OF WAY DATA SHEET FOR LOCAL PUBLIC AGENCIES

VI.	Relocation Information						
	Are there relocations anticipated? Y' (If yes, provide the following information)	ES NO	<u> X</u>				
	No. of personal property relocations						
	No. of single family	No. of	business/non p	orofi	t		<u> </u>
	No. of multi-family	No. of	farms				
	Based on Draft / Final Relocation Impact State Dated, it is anticipated that suffic N/A, will / will not be available without Last R	ient replacer	ment housing				
VII.	<u>Utility Relocation Information</u>						
	Anticipate any utility facilities or utility rights of						
	No Yes <u>X</u> (Compl	ete the follov	vilig)	Esti	imated Reloc	ation	Expense
	Facility	Owner	State Obligation*	(Local Obligation		ility Owner Obligation
	A. 12kV Electric Distribution Overhead	PG&E	\$	\$	500,000	\$	500,000
	B. Fiber Optic conduit	Sprint	\$	\$	0	\$	125,000
	C. 4-inch Gas Distribution	PG&E	\$	\$	312,500	\$	312,500
	D. 12kV 2-6 & 4-inch conduits	PG&E	\$	\$	187,500	\$	187,500
	E. Cable TV conduit	Comcast	\$	\$	0	\$	125,000
	Totals						
	Number of facilities <u>5</u>		\$	\$	1,000,000	\$	1,250,000
	*This amount reflects the estimated total financia The following checked items may seriously in	npact lead ting	me for utility re				
VIII.	Rail Information						
	Are railroad facilities or railroad rights of way af	fected?					
	No X Yes (Complete the following)	owing)					

RIGHT OF WAY DATA SHEET FOR LOCAL PUBLIC AGENCIES

Describe railroad facilities or railroad rights of way affected.

Owner's Name	Transverse Crossing	Longitudinal Encroachment
A.		
В.		
Discuss types of agreements and rig contracts, or grade separations requiring Railroad right of way exists adjace No work is proposed within 25ft of at PM 15.9 and operating Bay Area be required for each railroad and the	ng construction and maintenance ag nt to southbound I-680 between P the tracks. The project goes over Rapid Transit at PM 20.05. Preli	M 13.07 to PM 14.25. operating Union Pacific Railroad minary Engineering Review will
<u>Clearance Information</u>		
Are there improvements that require of	learance?	
No X Yes	(Complete the following)	
A. Number of Structures to be demoB. Estimated Cost of Demolition	lished S	
	p	
C. If there is demolition and clearan	ce, will it be done prior to construct	ion or as part of the construction contr
C. If there is demolition and clearan	ce, will it be done prior to construct	ion or as part of the construction contra
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	ce, will it be done prior to construct	ion or as part of the construction contr
C. If there is demolition and clearan Hazardous Materials/Waste	ce, will it be done prior to construct	ion or as part of the construction contr
Hazardous Materials/Waste Are there any sites and/or improveme	•	
Hazardous Materials/Waste Are there any sites and/or improveme waste/materials?	nts in the Project Limits that are <u>kn</u>	
Hazardous Materials/Waste Are there any sites and/or improveme	nts in the Project Limits that are <u>kn</u>	
Hazardous Materials/Waste Are there any sites and/or improveme waste/materials? None _X _ Yes (Explain in	nts in the Project Limits that are <u>kn</u> the Remarks Section XIII)	own to contain hazardous
Hazardous Materials/Waste Are there any sites and/or improveme waste/materials? None _X _ Yes (Explain in Are there any sites and/or improve	nts in the Project Limits that are kn the Remarks Section XIII) ements in the Project Limits that	own to contain hazardous
Hazardous Materials/Waste Are there any sites and/or improveme waste/materials? None _X _ Yes (Explain in Are there any sites and/or improve waste/materials?	nts in the Project Limits that are kn the Remarks Section XIII) ements in the Project Limits that	are <u>suspected</u> to contain hazardous
Hazardous Materials/Waste Are there any sites and/or improveme waste/materials? NoneXYes (Explain in Are there any sites and/or improve waste/materials? None YesX (Explain in the state of the state o	nts in the Project Limits that are known the Remarks Section XIII) The ments in the Project Limits that the Remarks Section XIII) The Remarks Section XIII)	own to contain hazardous are suspected to contain hazardous
Hazardous Materials/Waste Are there any sites and/or improveme waste/materials? None Yes (Explain in Are there any sites and/or improve waste/materials? None YesX (Explain in the Project Scheduling Proposed completion of Appraisal materials	nts in the Project Limits that are kn the Remarks Section XIII) ements in the Project Limits that he Remarks Section XIII) <u>Completion Date</u>	own to contain hazardous are suspected to contain hazardous

EXHIBIT 17-EX-21 (Rev 12/2014)

RIGHT OF WAY DATA SHEET FOR LOCAL PUBLIC AGENCIES

Page 6 of 7

Proposed Ready to List (RTL)	10/15/2021
Proposed Construction Award	04/15/2022

XII. **Proposed Funding**

	Local	State	Federal	Other
Acquisition	\$11,741,351	\$	\$	\$
Utilities	\$1,215,506	\$	\$	\$
Relocation Assistance Program	\$0	\$	\$	\$
R/W Support Costs	\$500,000	\$	\$	\$

XIII. Remarks

Section I Requires Minor Right of Way Engineering. The consulting land surveyor in responsible charge of the boundary resolution of the existing state right of way would contact a RWE Local Project Oversight project surveyor for information on how to proceed with the require land net determination during PS&E phase.

Section III. Parcel Information (Land and Improvements) - Right of Way Cost Estimate - A: Includes a 25% contingency factor to address, in part, potential additional damages, loss of business goodwill claims, limited administrative settlements, and other unknown potential impacts. TCE valuations are based on a 48month duration. The Escalation Rate for A, B, D. is calculated at 5% per year covering a 4-year period, except the acquisition rate is calculated at 8%.

It was remarked from CT HQ that Encroachment Policy Variance Request (EPVR) for longitudinal utility encroachment would be further evaluated after the utility investigation is completed during PS&E phase. Section X. Hazardous Materials/Waste - Potential ADL, Pesticides in shallow soils from agricultural uses, potential leaking hydrocarbons from UST's. Lead-based paint and asbestos-containing materials may be present in bridge and wall structures built before 1981.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Project Sponsor

Division of Right of Way

RIGHT OF WAY DATA SHEET FOR LOCAL PUBLIC AGENCIES

EXHIBIT 17-EX-21 (Rev 12/2014) Page 7 of 7

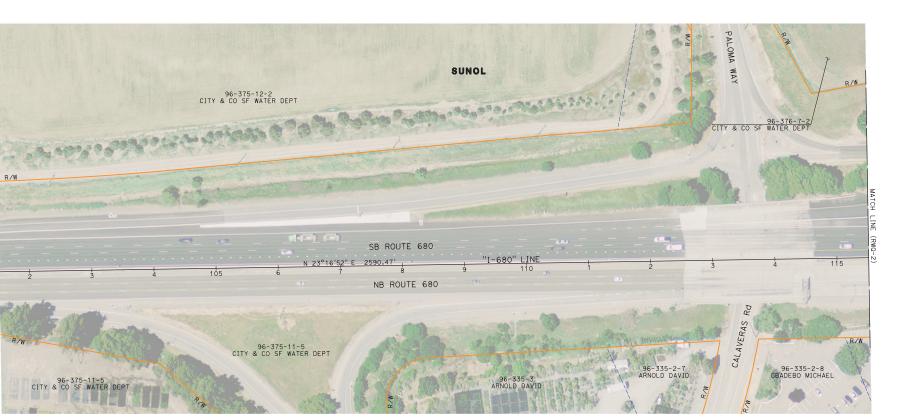
Expenditure Authorization: <u>04-0Q3000</u>

	consultant or agency) Prepared by:
Gary Huisingh Deputy Executive Director of Projects Alameda County Transportation Commission	Sang Kim Right of Way Consultant and Utility Coordinator AECOM
<u>3-18-2020</u> Date	3-9-2020 Date
Caltrans Reviewed and approved based on informa	tion provided to date:
Michael O'Callaghan Caltrans District Branch Chief	3/26/2020 Date
Local Programs	Date

R/W Professional (i.e.: qualified

		Dist	COUNTY	ROUTE	TOTAL PROJECT	SHEET No. S
NOTES:	LEGEND:	04 04	Ala CC	680 680	R10.6/R21.9 R0.0/R1.1	
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.	TEMPORARY CONSTRUCTION EASEMENT	_				SEFSC !
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RIGHT OF WAY REQUIREMENT MAP

AECOM 300 Lake Drive Suite 400 Oakland, CA 94612 ALAMEDA COUNTY TRANSPORTATION COMMISSION 1111 Broadway, Suite 800 Oakland, CA 94607

SCALE: 1" = 50'

RWQ-1

BORDER LAST REVISED 7/2/2010

USERNAME => josh.sun
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RELATIVE BORDER SCALE
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PROJECT NUMBER & PHASE

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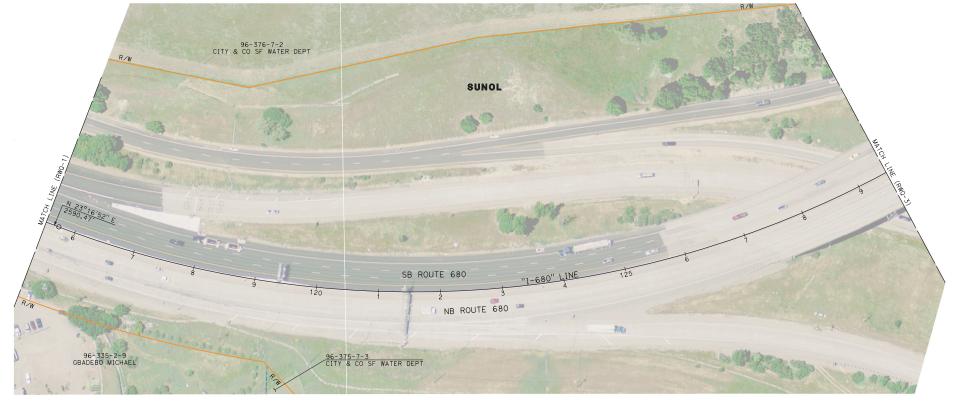
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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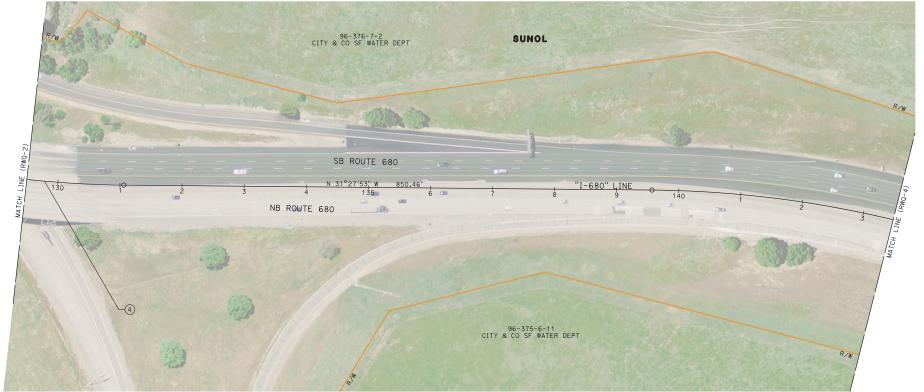
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RIGHT OF WAY REQUIREMENT MAP

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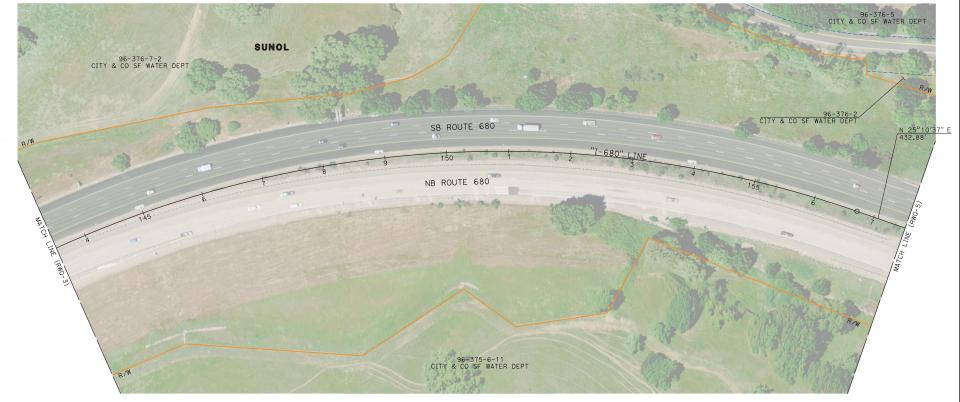
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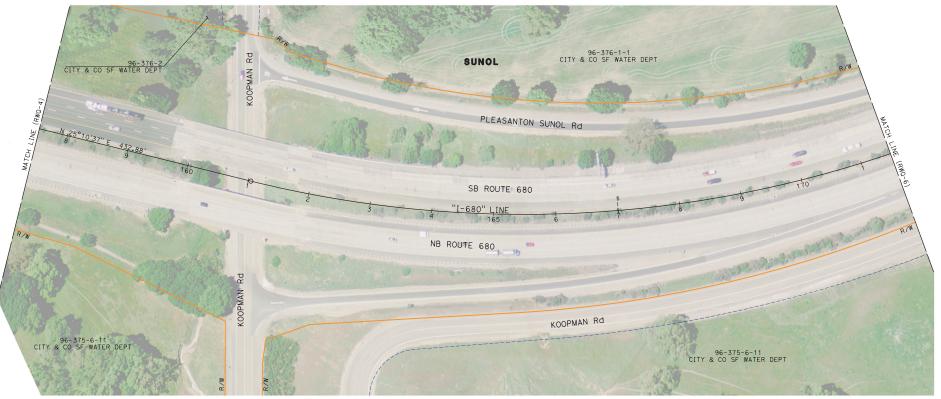
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CALIFORNIA

STATE OF

G. Cultans

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RIGHT OF WAY REQUIREMENTS

ASSESSOR'S PARCEL NUMBER	OWNER/ GRANTOR	TEMPORARY CONSTRUCTION EASEMENT					
NUMBER		SQFT					
96-376-1-1	CITY & CO SF WATER DEPT	13,881					



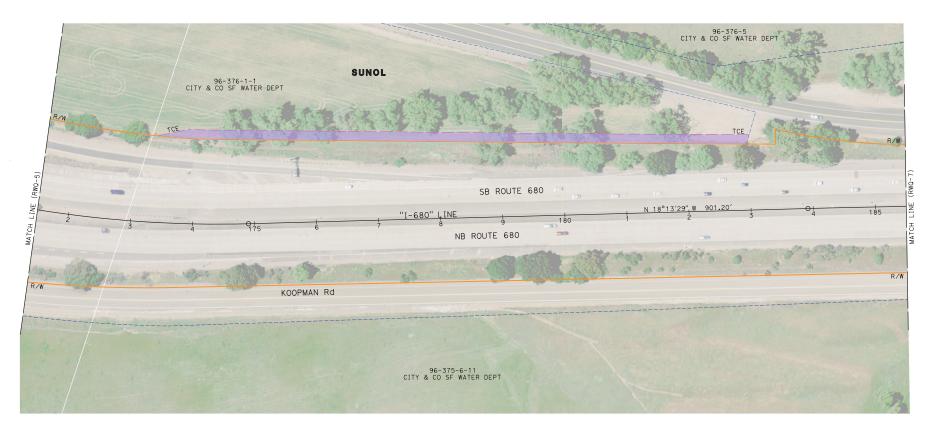
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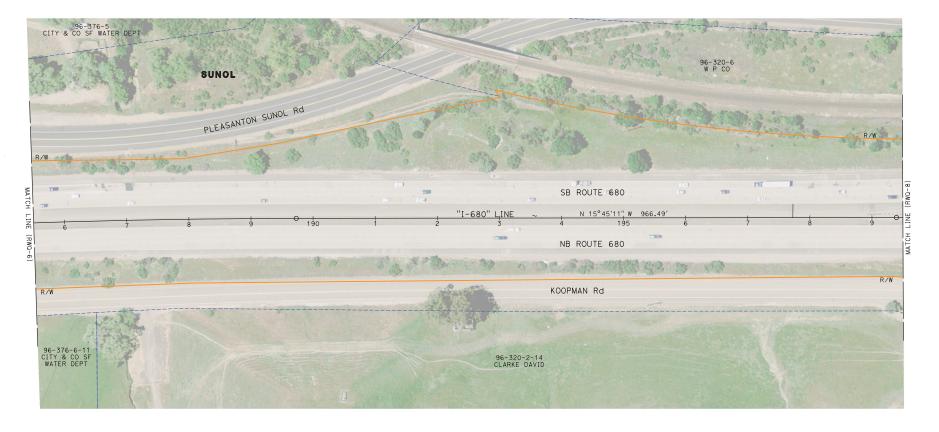
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PRELIMINARY PLANS Subject to revision RIGHT OF WAY REQUIREMENT MAP

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RELATIVE BORDER SCALE
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CALIFORNIA STATE OF

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DEPARTMENT OF TRANSPORTATION

Ala R10.6/R21.9 R0.0/R1.1 REGISTERED CIVIL ENGINEER DATE

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RIGHT OF WAY REQUIREMENT MAP

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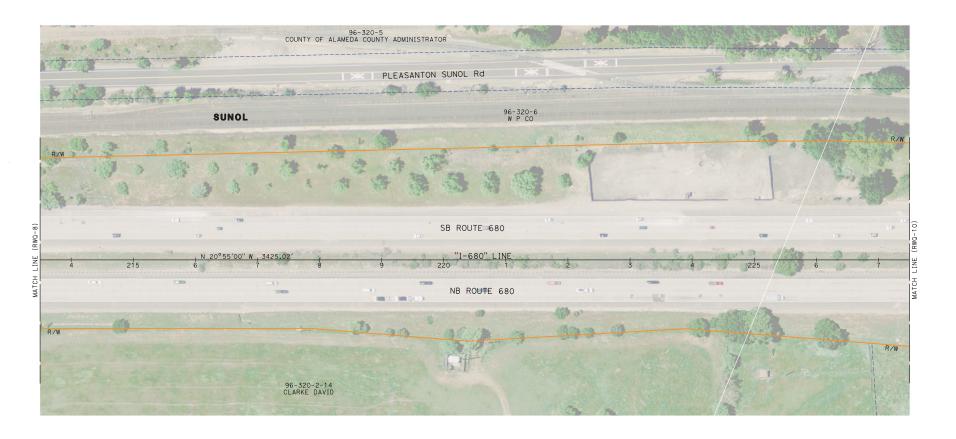
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RIGHT OF WAY REQUIREMENT MAP

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