

## Request Programming in 2012 SHOPP

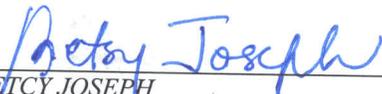
PROJECT LOCATION:

In Marin County on Route 101 and 131  
In the Cities of Sausalito, Corte Madera, Larkspur, and Tiburon  
In Various Locations.

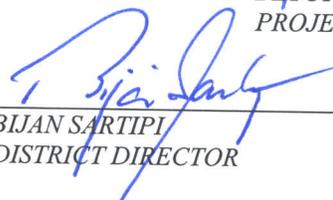
APPROVAL RECOMMENDED:

  
\_\_\_\_\_  
ROLAND AU-YEUNG  
DISTRICT PROGRAM MANAGER

APPROVAL RECOMMENDED:

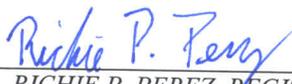
  
\_\_\_\_\_  
BETCY JOSEPH  
PROJECT MANAGER

APPROVED:

  
\_\_\_\_\_  
BIJAN SARTIPI  
DISTRICT DIRECTOR

9/26/11  
\_\_\_\_\_  
DATE

This project initiation document has been prepared under the direction of the following Registered Civil Engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

  
\_\_\_\_\_  
RICHE P. PEREZ, REGISTERED CIVIL ENGINEER

9/15/11  
\_\_\_\_\_  
DATE



**Initiating Office/Initiator:**

Per the June 2, 2010, Americans with Disabilities Act (ADA) lawsuit settlement as mentioned in the Design Information Bulletin (DIB) 81-01 cover memorandum, all Capital Preventive Maintenance Program (CAPM) projects Ready-to-List (RTL) after July 1, 2010 are required to include ADA curb ramp work. Due to project schedule and other constraints, including the ADA curb ramp work will delay the RTL date of CAPM projects PN 0400020590 (EA 0C7401) and PN 0400020164 (EA0G5401). District 4 CAPM Program Manager has determined that another project under State Highway Operation and Protection Program (SHOPP), ADA Curb Ramp Program Code 201.361, is needed to satisfy the ADA lawsuit settlement.

This project initial document (PID) provides conceptual approval of the proposal and recommends programming the project into the current SHOPP Program Code 201.361. A project report will serve as final approval of the proposal.

**Purpose and Need:**

**Need:** This project is needed to complete the ADA curb ramp work deferred from CAPM projects EA 0C7401 and EA 0G5401. Deferral was approved by HQs ADA Infrastructure Program Manager so that the CAPM projects' RTL were not delayed. The deferral requires an approved PID by September 30, 2011.

**Purpose:** The purpose of this Small Capital Value Project (SCVP) PID is to comply with DIB 81-01 by upgrading existing curb ramps to meet current ADA standards and/or installing new curb ramps where they are missing within the limits of the above CAPM projects.

The performance measures for this project are:  
43 curb ramps

**Deficiency Summary:**

Within the project limits, a total of 43 curb ramps, 2 traffic islands, and approximately 7300 square feet of sidewalk/curb ramps would be installed or reconstructed in compliance with current ADA standards. See Scope and Quantity Table for more details.

## **Project Proposal**

This project proposes to upgrade existing curb ramps and construct new curb ramps to current ADA standards in order to improve accessibility, mobility, and safety for all pedestrians.

### Right of Way:

**General** – Based on available information, 20 curb ramps and 1 passageway are located within State Right of Way, and 23 curb ramps and 1 passageway are located outside the State Right of Way. For preliminary assessment of Right of Way costs, only impacts on private parcels are considered. Any work done on private property will require Temporary Construction Easement (TCE). For programming purposes, the curb ramps outside of the State Right of Way are included in this estimate. However, for facilities outside of the State Right of Way, coordination for funding with the locals will occur in the Project Approval and & Environmental Document (PA&ED) Phase. If the locals fund the improvements, they will be kept in the project and a cooperative agreement prepared accordingly for the future phases. If not, the improvement will be removed from the project and the property owner will be notified by letter that they are responsible for necessary upgrades. In addition, a Right of Way Data Sheet will be obtained.

**Railroad** – There is no railroad involvement in this project.

**Utility** – Verification of utilities will be required. The need for potholing will be ascertained following the verification process. Based on the current project information, utility relocations are anticipated.

### Disposal Site:

A commercial disposal site will be used for the disposal of excavated material.

### Environmental:

Environmental impacts associated with this ADA curb ramp project are expected to be minimal and a Categorical Exemption is the anticipated environmental clearance for this project. The appropriate environmental clearance will be determined during the next project phase.

**Programming**

<b>PROJECT CAPITAL COST</b>		
<b>Fiscal Year</b>	<b>Right of Way Capital</b>	<b>Construction Capital</b>
<b>FY11/12</b>		\$1,380,000
<b>FY12/13</b>		\$1,436,000
<b>FY13/14</b>		\$1,494,000
<b>FY14/15</b>		\$1,554,000
<b>FY15/16</b>	\$351,000	\$1,617,000

A 4% escalation rate was used based on an executive decision.

Key assumptions for the project cost estimate as percentage of total construction capital:

- Traffic Control System 5.0%
- Right of Way 10.0% for utility relocations and potholing, TCE costs are 100% assessed value.
- Environmental Compliance/Mitigation 1.0%
- Water Pollution Control 2.5%
- Contingency 35%

	<b>PROJECT SUPPORT COMPONENTS</b>								
	<b>PA&amp;ED 0 Phase</b>		<b>Design 1 Phase</b>		<b>Right of Way 2 Phase</b>		<b>Construction 3 Phase</b>		<b>Total</b>
	<b>Dist</b>	<b>DES</b>	<b>Dist</b>	<b>DES</b>	<b>Dist</b>	<b>DES</b>	<b>Dist</b>	<b>DES</b>	
Estimated PY's	2.5		2.0		0.7		1.5		6.7

Key assumptions for the project support cost estimate

- \$180,000 per PY
- Due to the small scale, support for this type of project typically is much higher than conventional construction projects. Support cost estimates were anticipated to be 70% of capital costs.
- Due to the limited alternatives for ADA compliance work, most of the initial work for this project will be completed during PA&ED. Transportation Management Plan, Stormwater, Environmental, and other functional areas will provide their initial support requests at the beginning of PA&ED. This initial support request will be based on limited initial information. This is therefore an identified risk;

some functions may need additional support resources if difficulties are encountered. If it is later determined that increased support costs are warranted, the request will be adjusted by PCR.

**Schedule:**

<b>HQ Milestones</b>	<b>Delivery Date (Month, Day, Year)</b>
PA & ED	1/1/2014
Regular Right of Way	2/1/2014
Project PS&E	7/1/2015
Right of Way Certification	8/1/2015
Ready to List	10/1/2015
Approve Contract	2/1/2016
Contract Acceptance	8/1/2016
End Project	8/1/2017

Key assumptions for the schedule:

18 months for PA&ED (Assume Environmental starts July 2012)  
18 months for PS&E / R/W Certification  
6 months Construction

**Attachments:**

Title Sheet  
ADA Location Map  
Scope and Quantity Table  
Preliminary Cost Estimate Summary

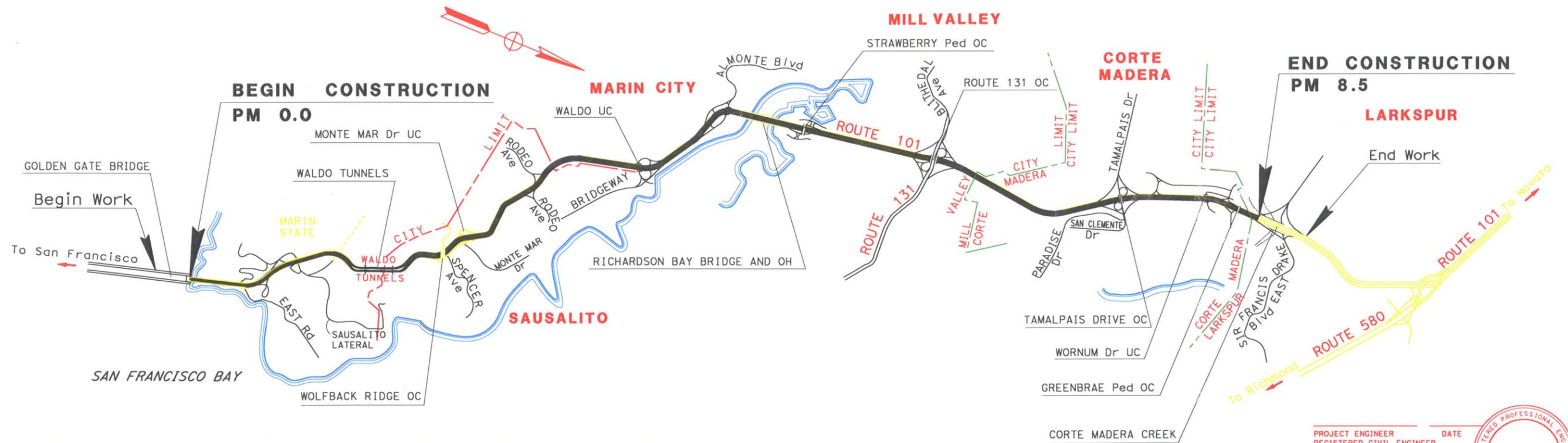
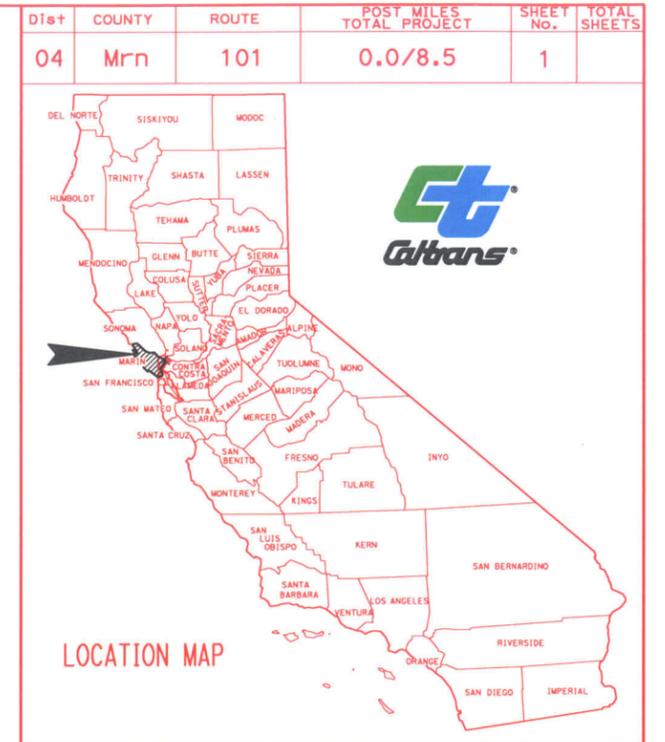
**STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION**

**PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY**

**IN MARIN COUNTY  
IN AND NEAR SAUSALITO CORTE MADERA AND LARKSPUR  
FROM THE GOLDEN GATE BRIDGE  
TO CORTE MADERA CREEK**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.



PROJECT MANAGER  
BETCY JOSEPH

DESIGN ENGINEER  
WARWICK CHEUNG

PROJECT ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
REGISTERED CIVIL ENGINEER

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.



CONTRACT No. **04-3G210K**  
PROJECT ID **0412000027**

NO SCALE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**

x

x

x

x

REVISOR BY  
DATE REVISOR

CALCULATED-DESIGNED BY  
CHECKED BY

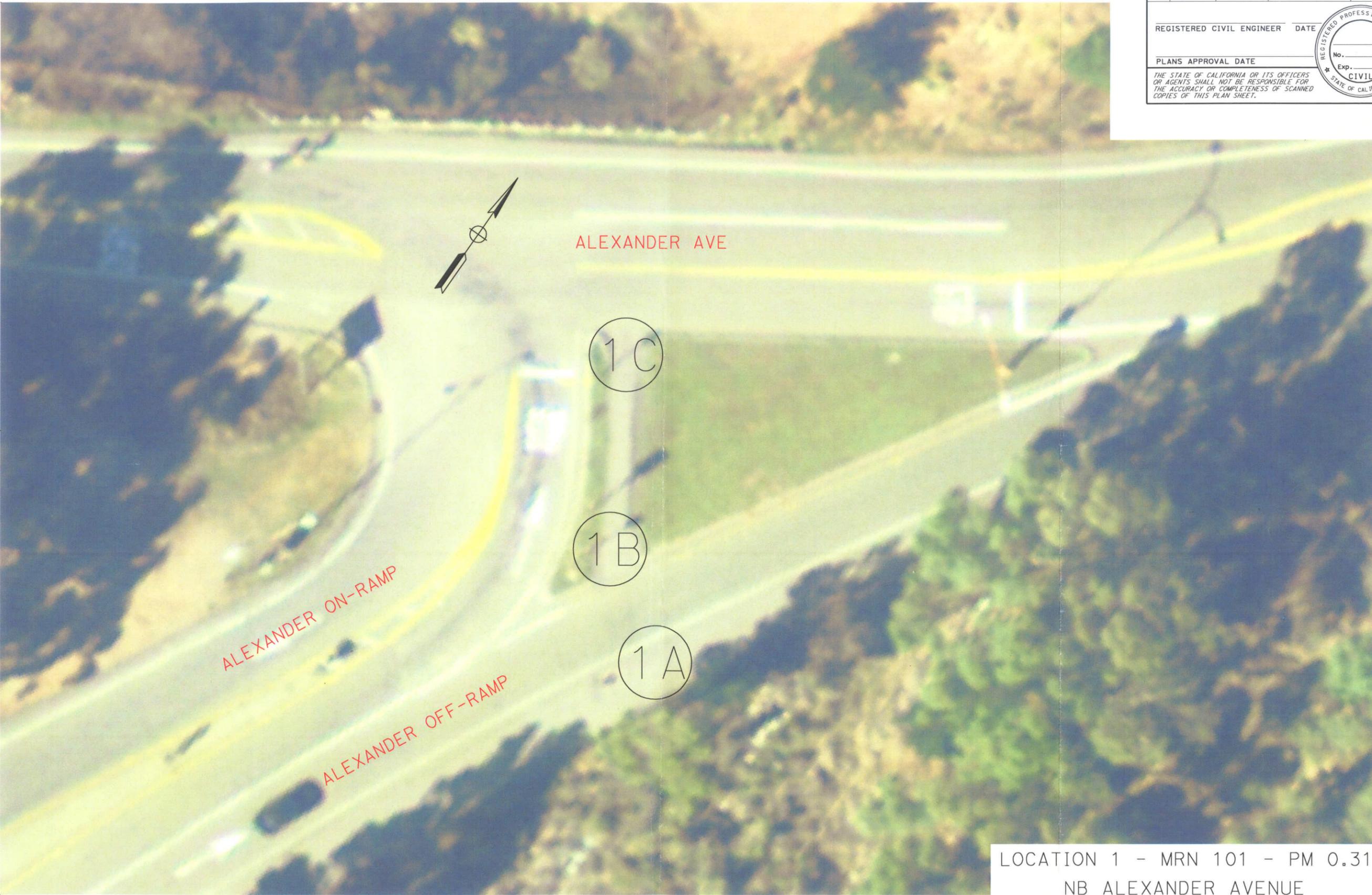
FUNCTIONAL SUPERVISOR  
WARWICK CHEUNG

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	101	0.0/8.5		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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LOCATION 1 - MRN 101 - PM 0.31  
 NB ALEXANDER AVENUE  
 NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	101	0.0/8.5		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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LOCATION 2 - MRN 101 - PM 1.72  
 SB MONTE MAR DRIVE  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
<b>St. Gobans</b>	WARWICK CHEUNG	REVISOR	DATE
	CHECKED BY	REVISOR	DATE
	DESIGNED BY	REVISOR	DATE





Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	101	0.0/8.5		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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LOCATION 5 - MRN 101 - PM 4.72  
 NB DE SILVA DRIVE  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION <b>Caltrans</b>	FUNCTIONAL SUPERVISOR	REVISOR
	WARWICK CHEUNG	DATE REVISOR
	CALCULATED-DRAWN BY	DATE REVISOR
	CHECKED BY	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	101	0.0/8.5		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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LOCATION 6 - MRN 101 - PM 5.69  
 SB EAST BLITHEDALE AVENUE  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
	WARWICK CHEUNG	CHECKED BY	DATE REVISED
St. Gobans			

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	101	0.0/8.5		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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LOCATION 7 - MRN 101 - PM 5.69  
 NB TIBURON BOULEVARD  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
	WARWICK CHEUNG	CHECKED BY	DATE
CALTRANS	CALCULATED-DESIGNED BY	REVISOR	DATE
	CHECKED BY	DATE	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	101	0.0/8.5		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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LOCATION 8 - MRN 101 - PM 8.18  
 SB FIFER AVENUE  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**St. Gibbons**

REVISOR BY DATE REVISOR  
 DATE REVISOR

CALCULATED-DESIGNED BY CHECKED BY

FUNCTIONAL SUPERVISOR  
 WARWICK CHEUNG

DATE OF TRANSPORTATION

x  
x  
x  
x  
x

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 FUNCTIONAL SUPERVISOR  
 WARWICK CHEUNG  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 REVISED BY  
 DATE REVISED



LOCATION 9 - MRN 101 - PM 8.24  
 NB INDUSTRIAL WAY  
 NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	101	0.0/8.5		

REGISTERED CIVIL ENGINEER      DATE

PLANS APPROVAL DATE

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GENERAL ADA TEMPLATE - LOCATION, SCOPE AND QUANTITY SUMMARY

ID #	Location Description	City	(1) ADA ITEMS									(2) TRAFFIC ITEMS				(3) R/W ITEMS			(4) ENVIRONMENTAL ITEMS		(5) DRAINAGE				(6) MISC. FACILITIES			(7) NOTES/ REMARKS/ RISKS							
			Curb Ramp		Traffic Island		Sidewalk Area			Bus Stop		DWS Placem't	Push Button (EA)	Striping/Pavement Marker (LF)	Traffic Signal (EA)	Roadside Signs (EA)	New R/W Take (SQFT)	TCE (SQFT)	Utility Remove/Relocate (EA)	Tree Removal (EA)	Historic Feature/Misc (EA)	DI (EA)	MH (EA)	Rdwy Pavem't Work (SQFT)	Curb/Gutter (LF)	Drwy (SQFT)	FH (EA)		CL Fence (LF)						
			Case	Each	Type	Each	Width (ft)	Length (ft)	Area (SQFT)	Width (ft)	Length (ft)	(SQFT)																							
1A	NB Alexander Avenue - PM 0.31	Sausalito	A	1			10	17	170			18																						outside of R/W (public), no curb	
1B	NB Alexander avenue - PM 0.31	Sausalito	F	1			6	10	60			18																						outside of R/W (public)	
1C	SB Monte Mar - PM 1.72	Sausalito	F	1			6	10	60			18																						outside of R/W (public)	
2A	SB Monte Mar - PM 1.72	Sausalito	CM	1			8	21	168			43.5																						remove 4*14 ramp	
2B	SB Monte Mar - PM 1.72	Sausalito	F	1			5	10	50			15																							
3A	NB Bridgeway - PM 3.37	Sausalito	F	1			10	19	190			30																						outside R/W (public), remove/replace 2 bollard	
3B	NB Bridgeway - PM 3.37	Sausalito	F	1			10	10	100			30																							
4A	NB Hwy 1 - PM 4.08	Mill Valley	F	1			10	10	100			30																							outside R/W (public)
4B	NB Hwy 1 - PM 4.08	Mill Valley	A	1			10	30	300			30																							outside R/W (public), in vicinity: DI
5A	NB De Silva Drive - PM 4.72	Mill Valley	A	1			10	24	240			12	1		1	1			1															relocate pedestrian sign, signal post/pushbutton, adjust pullbox	
5B	NB De Silva Drive - PM 4.72	Mill Valley	A	1			10	24	240			12	2		2	3			2			1												outside R/W (public), Relocate DI, 2 signal post/push button, remove/replace 2 bollards, adjust 2 pullboxes, replace pedestrian sign	
5C	NB De Silva Drive - PM 4.72	Mill Valley	C	1			6	27	162			15	1					685	1															outside R/W (private), remove/replace pullbox on retaining curb, relocate push button	
5D	NB De Silva Drive - PM 4.72	Mill Valley	C	1			6	27	162			15	1		1	1		0	1															outside R/W (private), TCE is part of quantity for 5C, relocate signal/pushbutton, sign post, adjust pullbox	
5E	NB De Silva Drive - PM 4.72	Mill Valley	A	1			10	24	240			12	1		1	1		314	2																outside R/W (private), relocate signal/pushbutton, pedestrian sign/railing, adjust 2 pullboxes
6A	SB East Blithedale Avenue - PM 5.69	Mill Valley	C	1			5	27	135			15																							
6B	SB East Blithedale Avenue - PM 5.69	Mill Valley	G	1			15	22	330			12				1			1																move curb ramp 2 ft over, relocate sign, adjust pullbox
6C	SB East Blithedale Avenue - PM 5.69	Mill Valley	C	1			5	38	190			15																							move curb ramp 20 ft
6D	SB East Blithedale Avenue - PM 5.69	Mill Valley	F	1			11	50	550			15																							modify path and relocate curb ramp

GENERAL ADA TEMPLATE - LOCATION, SCOPE AND QUANTITY SUMMARY

ID #	Location Description	City	(1) ADA ITEMS									(2) TRAFFIC ITEMS				(3) R/W ITEMS			(4) ENVIRONMENTAL ITEMS		(5) DRAINAGE				(6) MISC. FACILITIES			(7) NOTES/ REMARKS/ RISKS			
			Curb Ramp		Traffic Island		Sidewalk Area			Bus Stop		DWS Placem't	Push Button (EA)	Striping/Pavement Marker (LF)	Traffic Signal (EA)	Roadside Signs (EA)	New R/W Take (SQFT)	TCE (SQFT)	Utility Remove/Relocate (EA)	Tree Removal (EA)	Historic Feature/Misc (EA)	DI (EA)	MH (EA)	Rdwy Pavem't Work (SQFT)	Curb/Gutter (LF)	Drwy (SQFT)	FH (EA)		CL Fence (LF)		
			Case	Each	Type	Each	Width (ft)	Length (ft)	Area (SQFT)	Width (ft)	Length (ft)	(SQFT)																			
6E	SB East Blithedale Avenue - PM 5.69	Mill Valley	F	1			16	27	216					2			1													modified F, relocate 2 signs, triangular section, adjust pullbox	
7A	NB Tiburon Boulevard PM 5.69	Mill Valley	C	1			5	27	135								1													adjust pullbox	
7B	NB Tiburon Boulevard PM 5.69	Mill Valley	G	1			10	25	250																					Vicinity: signal post/push button	
7C	NB Tiburon Boulevard PM 5.69	Mill Valley	F	1			4	10	40																					Vicinity: Utility cabinet, relocate push button	
7D	NB Tiburon Boulevard PM 5.69	Mill Valley	C	1			5	27	135																						
8A	SB Fifer Avenue - PM 8.18	Corte Madera	F	1			13	21	273					1																outside of R/W (public), modified F, relocate delineator, adjust pullbox, Vicinity: MBGR	
9A	NB Industrial Way - PM 8.24	Greenbrae	A	1			13	17	221																					outside of R/W (public), adjust pullbox	
9B	NB Industrial Way - PM 8.24	Greenbrae	C	1			4	32	128							330		1												outside of R/W (private), adjust pullbox	
9C	NB Industrial Way - PM 8.24	Greenbrae	C	1			4	27	108							225		1												outside of R/W (private), adjust pullbox	
9D	NB Industrial Way - PM 8.24	Greenbrae	F	1			8	10	80																					outside of R/W (public), Vicinity: utility pole, signal post/push button	
9E	NB Industrial Way - PM 8.24	Greenbrae			B	1	8	10	80																					outside of R/W (public), only DWS needed	
9F	NB Industrial Way - PM 8.24	Greenbrae	F	1			6	10	60					3																relocate 3 bollards	
<b>TOTAL (THIS SHEET)</b>				29		1			5173					7		5	15		1554	14				1			964				

**Abbreviations:** DWS=Detectable Warning Surface; TCE=Temporary Construction Easement; CL Fence=Chainlink Fence; FH=Fire Hydrant; DI=Drainage Inlet; Drwy=Driveway

**Notes:**

- 1 Curb Ramp & Sidewalk are quantified as Minor Concrete Item.
- 2 Notes/Remarks/Risks column is for marking up possible items with unknown cost.
- 3 Sidewalk: Assuming a thickness of 6 inches.

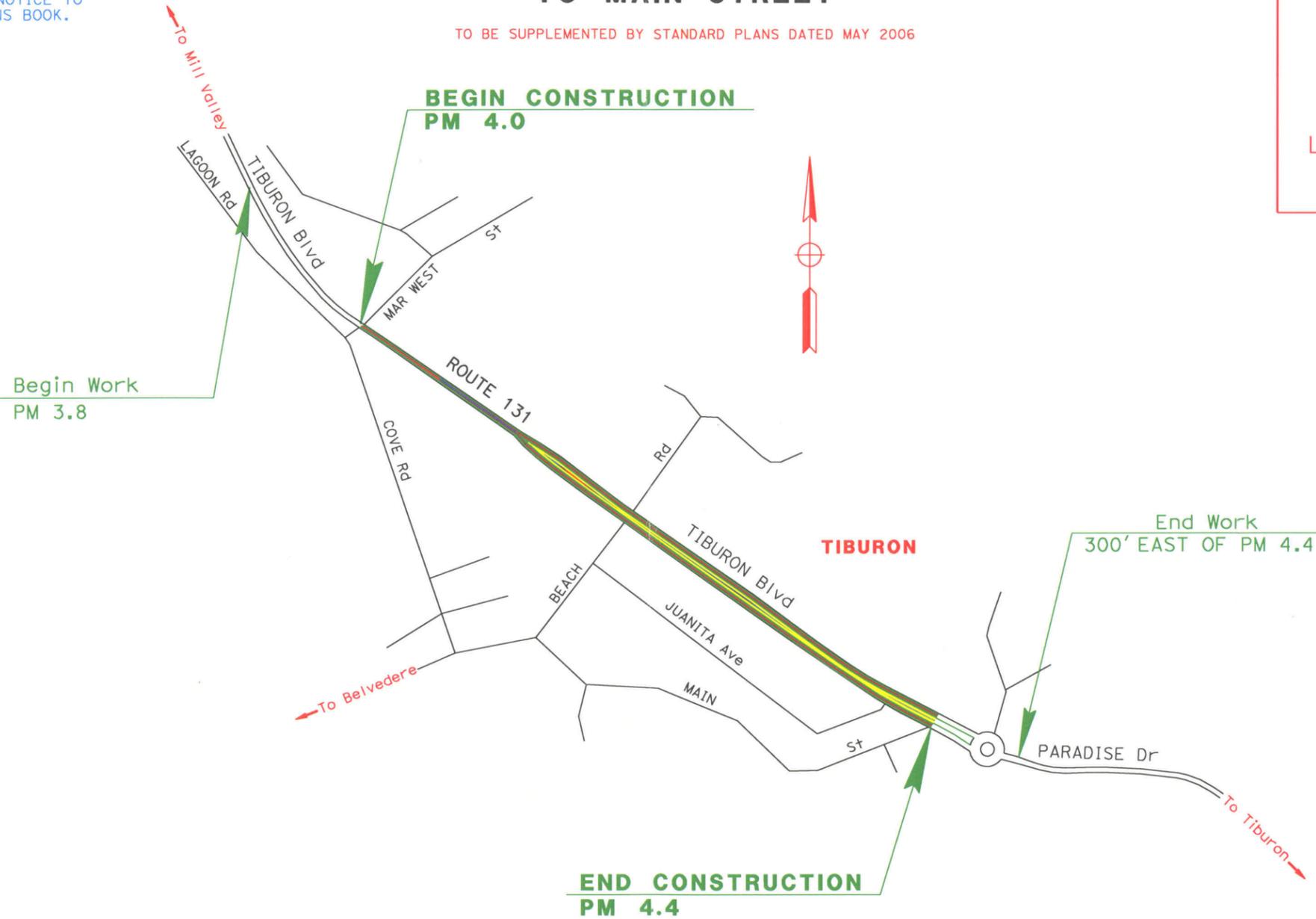
**STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION**

**PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY**

**IN MARIN COUNTY  
IN TIBURON  
FROM MAR WEST STREET  
TO MAIN STREET**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn	131	4.0/4.4	1	

LOCATION MAP

PROJECT MANAGER  
**BETCY JOSEPH**  
  
 DESIGN ENGINEER  
**WARWICK CHEUNG**

PROJECT ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE \_\_\_\_\_

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CONTRACT No.	<b>04-3G210K</b>
PROJECT ID	<b>0412000027</b>

NO SCALE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	131	4.0/4.4		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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LOCATION 1 - MRN 131 - PM 4.0  
 MAR WEST AVENUE / COVE ROAD  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR BY
<b>St. Gobtrans</b>	WARWICK CHEUNG	CHECKED BY	DATE REVISED

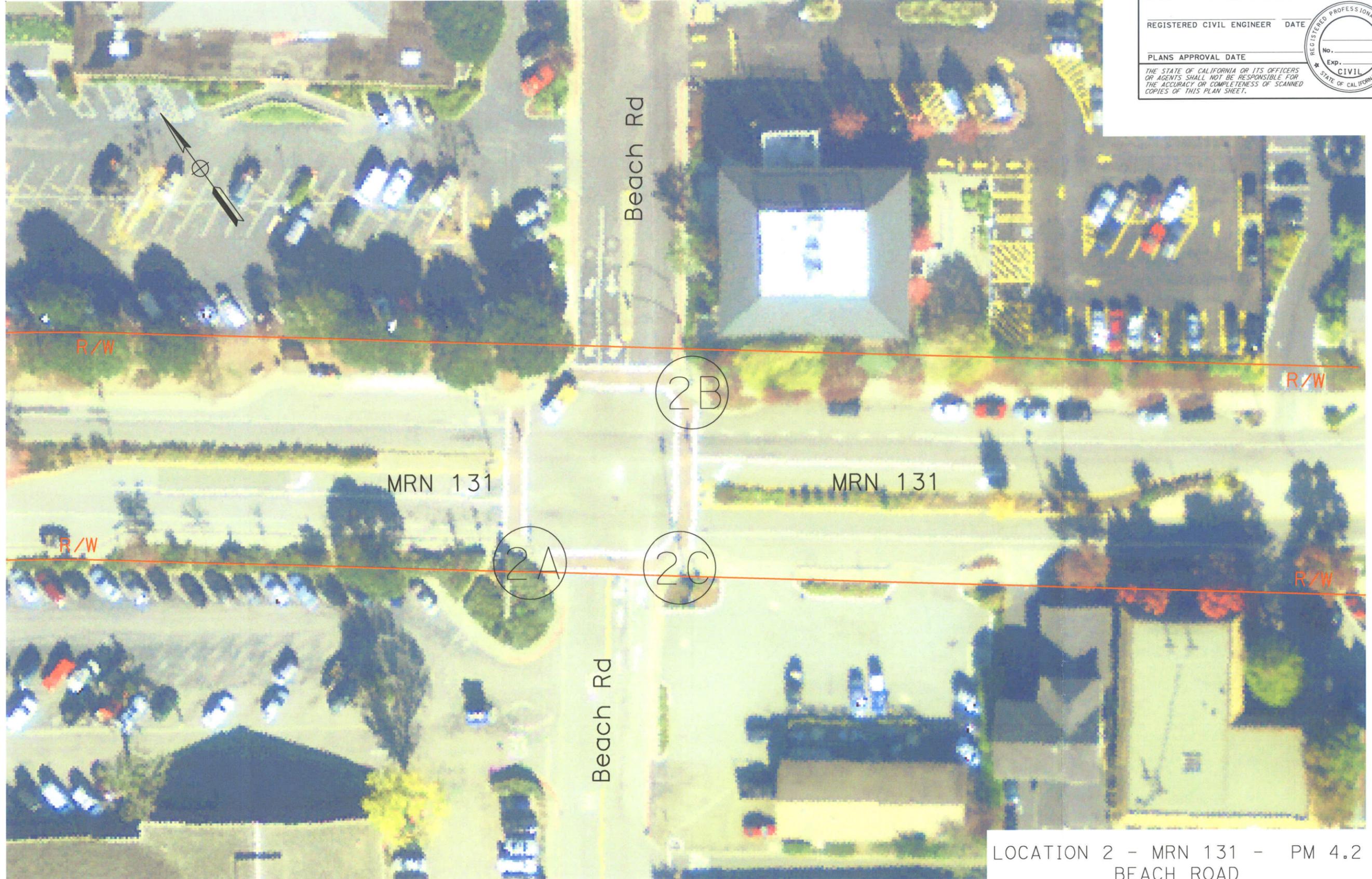
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	131	4.0/4.4		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER  
 No. \_\_\_\_\_  
 Exp. \_\_\_\_\_  
 CIVIL  
 STATE OF CALIFORNIA

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



LOCATION 2 - MRN 131 - PM 4.2  
 BEACH ROAD  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	WARWICK CHEUNG	CHECKED BY	DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	MRN	131	4.0/4.4		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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LOCATION 3 - MRN 131 - PM 4.4  
 JUANITA LANE / MAIN ST  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
<b>Caltrans</b>	WARWICK CHEUNG	REVISOR	DATE
		REVISOR	DATE
		REVISOR	DATE

GENERAL ADA TEMPLATE - LOCATION, SCOPE AND QUANTITY SUMMARY

ID #	Location Description	City	(1) ADA ITEMS										(2) TRAFFIC ITEMS				(3) R/W ITEMS			(4) ENVIRONMENTAL ITEMS		(5) DRAINAGE				(6) MISC. FACILITIES			(7) NOTES/ REMARKS/ RISKS				
			Curb Ramp		Traffic Island		Curb Ramp / Sidewalk			Bus Stop		DWS Placem't	Push Button (EA)	Pavement Marking (SQFT)	Traffic Signal System (EA)	Roadside Signs (EA)	New R/W Take (SQFT)	TCE (SQFT)	Utility Remove/ Relocate (EA)	Tree Removal (EA)	Historic Feature/ Misc (EA)	DI (EA)	MH (EA)	Rdwy Pavem't Work (SQFT)	Curb/ Gutter (LF)	Drwy (SQFT)	FH (EA)	CL Fence (LF)					
			Case	Each	Type	Each	Width (ft)	Length (ft)	Area (SQFT)	Width (ft)	Length (ft)	(SQFT)																					
1A	MRN 131 & Mar West St / Cove Rd Intersection_Corner 1A	Tiburon	A	1			21	23	483																								In conflict - Planting area, 8" water service, Stop sign; Need adjustment - MH; In vicinity - telephone service, DI; 8% curb flow line from MRN 131 toward Cove Rd
1B	MRN 131 & Mar West St / Cove Rd Intersection_Passageway 1B	Tiburon			A	1	7	11	77																								1' gutter each side of passageway
1C	MRN 131 & Mar West St / Cove Rd Intersection_Corner 1C	Tiburon	A	1			12	20	240																								In conflict - wood posts; In vicinity - USA underline; 7% curb flow line from MRN 131 toward Cove Rd
1D	MRN 131 & Mar West St / Cove Rd Intersection_Corner 1D	Tiburon	C	1			6	14	84						43	748	1																Modified Case C is assumed for curb ramp; In conflict - major planting area, Stop sign, Marin District water line; In vicinity - AT & T; outside of R/W (private)
1E	MRN 131 & Mar West St / Cove Rd Intersection_Corner 1E	Tiburon	A	2			14	38	532																								In conflict - planting area, street marker; In vicinity - DI, MH, outside of R/W (public)
2A	MRN 131 & Beach Rd Intersection_Corner 2A	Tiburon	A	2			10	38	380						115	370	1					1	1										In conflict - major planting area, street lighting, Caltrans service, 1' traffic pedestal, traffic signal post, one-way sign; Need adjustment - MH, DI; In vicinity - traffic signal, traffic signal post, fire hydrant, outside of R/W (private)
2B	MRN 131 & Beach Rd Intersection_Corner 2B	Tiburon	A	1			14	27	378																								In conflict - major planting area, traffic signal, traffic signal post, PG&E, PG&E Gas; In vicinity - Water
2C	MRN 131 & Beach Rd Intersection_Corner 2C	Tiburon	A	1			10	38	380						71	616	2																In conflict - major planting area, traffic signal, traffic signal post. Need adjustment - 2 pullboxes, outside of R/W (private)
3A	MRN 131 EB PM 4.34 Crosswalk_Corner 3A	Tiburon	A	1			8	14	112													1											Need adjustment - DI; In vicinity - Water
4A	MRN 131 & Juanita Ln Intersection_Corner 4A	Tiburon																															Flat area; Place detectable warnings and grooves; PG&E and water are within the curb ramp area, outside of R/W (private)

GENERAL ADA TEMPLATE - LOCATION, SCOPE AND QUANTITY SUMMARY

ID #	Location Description	City	(1) ADA ITEMS										(2) TRAFFIC ITEMS				(3) R/W ITEMS			(4) ENVIRONMENTAL ITEMS		(5) DRAINAGE				(6) MISC. FACILITIES			(7) NOTES/ REMARKS/ RISKS
			Curb Ramp		Traffic Island		Curb Ramp / Sidewalk			Bus Stop		DWS Placem't	Push Button	Pavement Marking	Traffic Signal System	Roadside Signs	New R/W Take	TCE	Utility Remove/ Relocate	Tree Removal	Historic Feature/ Misc	DI	MH	Rdwy Pavem't Work	Curb/ Gutter	Drwy	FH	CL Fence	
			Case	Each	Type	Each	Width (ft)	Length (ft)	Area (SQFT)	Width (ft)	Length (ft)	(SQFT)	(EA)	(SQFT)	(EA)	(EA)	(SQFT)	(SQFT)	(EA)	(EA)	(EA)	(EA)	(EA)	(SQFT)	(LF)	(SQFT)	(EA)	(LF)	
5A	MRN 131 & Main St Intersection_Corner 5A	Tiburon	A	1			6	14	84																			Need to sawcut curb/gutter; The red bricks paver on both sides of the ramp flares will be reconstructed to ADA standards; In vicinity - garbage can, stop sign, street marker; outside of R/W (public)	
5B	MRN 131 & Main St Intersection_Corner 5B	Tiburon	A	1			5	14	70																			Need to sawcut curb/gutter; In vicinity - red bricks paver beyond curb ramp area, concrete posts, fountain structure	
5C	MRN 131 & Main St Intersection_Passageway 5C	Tiburon																										Part of the red bricks paver will be replaced with DWS	
5D	MRN 131 & Main St Intersection_Corner 5D	Tiburon	A	1			10	30	300																		Need to sawcut curb/gutter; The red bricks paver behind the top of the curb ramp will be reconstructed to ADA standards; In vicinity - tree well is 10' from face of curb; outside of R/W (private)		
5E	MRN 131 & Main St Intersection_Corner 5E	Tiburon	A	1			13	19	247																			The red bricks paver behind the top of the curb ramp will be reconstructed to ADA standards; In vicinity - MH, DI, Stop sign, concrete posts, tree planter; outside of R/W (private)	
TOTAL (THIS SHEET)				14		1			3367						534	5	80	3	4	229	2960	7			2	2		321	

**Abbreviations:** DWS=Detectable Warning Surface; TCE=Temporary Construction Easement; CL Fence=Chainlink Fence; FH=Fire Hydrant; DI=Drainage Inlet; Drwy=Driveway; MH=Manhole

**Notes:**

- 1 Curb Ramp & Sidewalk are quantified as Minor Concrete Item.
- 2 Notes/Remarks/Risks column is for items with uncertain impact/cost.
- 3 Sidewalk: Assuming a thickness of 6 inches.

# PRELIMINARY PROJECT COST ESTIMATE SUMMARY

District-County-Route	<u>04-MRN-101,131</u>
PM	<u>0.0/8.5, 4.0/4.4</u>
EA	<u>3G210K</u>
Project ID	<u>0412000027 K</u>
Program Code	<u>201.361</u>

## PROJECT DESCRIPTION:

Limits In Marin County on Route 101 and 131, in the cities of Sausalito, Corte Madera, Larkspur,  
and Tiburon.

Proposed Improvement (Scope) Install / reconstruct ADA curb ramps within project limits

Alternative Build

## SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ <u>1380000.00</u>
TOTAL STRUCTURE ITEMS	\$ <u>0.00</u>
SUBTOTAL CONSTRUCTION COSTS	\$ <u>1380000.00</u>
TOTAL RIGHT OF WAY ITEMS	\$ <u>351000.00</u>
<b>TOTAL PROJECT CAPITAL OUTLAY COSTS</b>	<b>\$ <u>1731000.00</u></b>

Reviewed by District Program Manager   
(Signature)

Approved by Project Manager  Date 9/15/11  
(Signature)

Phone No. \_\_\_\_\_





District-County-Route	<u>04-MRN-101,131</u>
PM	<u>0.0/8.5, 4.0/4.4</u>
EA	<u>3G210K</u>
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Program Code	<u>201.361</u>

Section 6 Planting and Irrigation

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Highway Planting	_____	_____	\$ _____	\$ _____	
Replacement Planting	_____	_____	\$ _____	\$ _____	
Irrigation Modification	_____	_____	\$ _____	\$ _____	
Relocate Existing Irrigation	_____	_____			
Facilities	_____	_____	\$ _____	\$ _____	
Irrigation Crossovers	_____	_____	\$ _____	\$ _____	
Subtotal Planting and Irrigation Section					\$ <u>0</u>

Section 7: Roadside Management and Safety Section

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Vegetation Control Treatments	_____	_____	\$ _____	\$ _____	
Gore Area Pavement	_____	_____	\$ _____	\$ _____	
Pavement beyond the gore area	_____	_____	\$ _____	\$ _____	
Miscellaneous Paving	_____	_____	\$ _____	\$ _____	
Erosion Control	_____	_____	\$ _____	\$ _____	
Slope Protection	_____	_____	\$ _____	\$ _____	
Side Slopes/Embankment Slopes	_____	_____	\$ _____	\$ _____	
Maintenance Vehicle Pull outs	_____	_____	\$ _____	\$ _____	
Off-freeway Access (gates, stairways, etc.)	_____	_____	\$ _____	\$ _____	
Roadside Facilities (Vista Points, Transit, Park and Ride, Relocating roadside facilities/features (Signs/Bollards)	<u>1</u>	<u>LS</u>	\$ <u>10000</u>	\$ <u>10000</u>	
Subtotal Roadside Management and Safety Section					\$ <u>10000</u>

TOTAL SECTIONS: 1 thru 7    \$ 739640

District-County-Route 04-MRN-101,131  
 PM 0.0/8.5, 4.0/4.4  
 EA 3G210K  
 Project ID 0412000027 K  
 Program Code 201.361

Section 8: Minor Items

\$ 739640 X 10 % = \$ 73964  
 (Subtotal Sections 1 thru 7)

TOTAL MINOR ITEMS \$ 73964

Section 9: Roadway Mobilization

\$ 813604 X 10 % = \$ 81360  
 (Subtotal Sections 1 thru 8)

TOTAL ROADWAY MOBILIZATION \$ 81360

Section 10 Roadway Additions

Supplemental Work

\$ 813604 X 10 % = \$ 81360  
 (Subtotal Sections 1 thru 8)

Contingencies

\$ 813604 X 35 % = \$ 284761  
 (Subtotal Sections 1 thru 8)

TOTAL ROADWAY ADDITIONS \$ 366122

TOTAL ROADWAY ITEMS \$ 1261086  
 (Subtotal Sections 1 thru 10)

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Water Pollution Control (2.5%) Environmental	<u>1</u>	<u>LS</u>	<u>\$ 32000</u>	<u>\$ 32000</u>	
Compliance/Mitigation (1.0%)	<u>1</u>	<u>LS</u>	<u>\$ 13000</u>	<u>\$ 13000</u>	
Traffic Constrol System (5.0%)	<u>1</u>	<u>LS</u>	<u>\$ 64000</u>	<u>\$ 64000</u>	
					\$ <u>109000</u>

FINAL TOTAL ROADWAY ITEMS \$ 1370086

USE \$ 1380000

Estimate Prepared By Richie P. Perez Phone # (510) 622-1740 Date \_\_\_\_\_  
 (Print Name)

Estimate Checked By Warwick W.T. Cheung Phone # (510) 622-0155 Date \_\_\_\_\_  
 (Print Name)

District-County-Route	<u>04-MRN-101,131</u>
PM	<u>0.0/8.5, 4.0/4.4</u>
EA	<u>3G210K</u>
Project ID	<u>0412000027 K</u>
Program Code	<u>201.361</u>

II. STRUCTURES ITEMS

	Structure (1)	Structure (2)	Structure (3)	
Bridge Name	_____	_____	_____	
Structure Type	_____	_____	_____	
Width (out to out) - (ft)	_____	_____	_____	
Span Lengths - (ft)	_____	_____	_____	
Total Area - (ft2)	_____	_____	_____	
Footing Type (pile/spread)	_____	_____	_____	
Cost Per ft2				
(incl. 10% mobilization and 25% contingency)	\$ _____	_____	_____	
Total Cost for Structure	\$ _____	_____	_____	
				SUBTOTAL STRUCTURES ITEMS \$ _____
				(Sum of Total Cost for Structures)
Railroad Related Costs:	_____	_____	_____	
	_____	_____	_____	
	_____	_____	_____	
				SUBTOTAL RAILROAD ITEMS \$ _____
				TOTAL STRUCTURES ITEMS \$ _____
				(Sum of Structures Items plus Railroad Items)

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

District-County-Route	<u>04-MRN-101,131</u>
PM	<u>0.0/8.5, 4.0/4.4</u>
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III. RIGHT OF WAY ITEMS

ESCALATED VALUE

A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$ <u>213000</u>
Project Permit Fees	\$ _____
Grantor's Appraisal Cost	\$ _____
B. Utility Relocation (State share)	\$ <u>138000</u>
C. Relocation Assistance	\$ _____
D. Clearance/Demolition	\$ _____
E. Title and Escrow Fees	\$ _____

TOTAL RIGHT OF WAY ITEMS \$ 351000  
(Escalated Value)

Anticipated Date of Right of Way Certification \_\_\_\_\_  
(Date to which Values are Escalated)

F. Construction Contract Work

Brief Description of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Right of Way Branch Cost Estimate for Work \* \$ 0

\* This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate.

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.