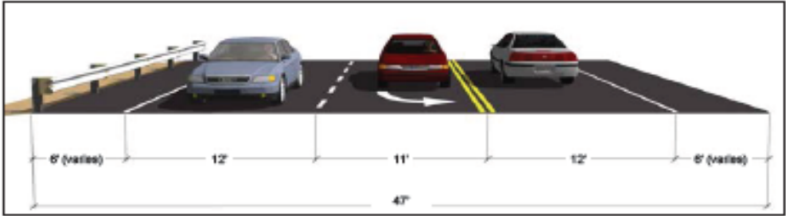


# **APPENDIX A - COST ESTIMATE CALCULATIONS**

Summary of Costs for Roadway and Intersection Projects San Mateo County Comprehensive Transportation Management Plan		
<b>Alternative 1 Roadway Improvements</b>		
Project #	Project Name	Cost
1	Gray Whale Cove Turn and Acceleration Lanes	\$ 960,000
2	Turn Restriction Signage	\$ 40,000
3	SR-1 Side-Street Stop Signs	\$ 18,000
4A	SR-1 Paved Shoulder and Curb (Phase A)	\$ 2,302,000
		<b>Total: \$ 3,320,000</b>
<b>Alternative 2 Roadway Improvements</b>		
Project #	Project Name	Cost
	Carried over Alternative 1 options	\$ 3,280,000
4B	SR-1 Paved Shoulder and Curb (Phase B)	\$ 2,841,000
5	California Avenue Signal	\$ 767,000
6	Cypress Avenue Signal	\$ 640,000
7	Kehoe Avenue Signal	\$ 640,000
8	Main Street (S) Signal	\$ 530,000
9	SR-1 Median and Left Turn Bay in Montara	\$ 225,000
10	SR-1 Access Restrictions in Moss Beach	\$ 268,000
11	Montara Lighthouse Median and Left Turn Bay	\$ 170,000
12 (Option 1)	Nurserymen's Exchange Access Consolidation (Minimal Alternative)	\$ 1,521,000
12 (Option 2)	Nurserymen's Exchange Access Consolidation (Expanded Alternative)	\$ 2,851,000
13	Frenchman's Creek Road Realignment and Access Consolidation	\$ 1,182,000
14	Terrace Avenue/Grand Boulevard Access Consolidation and Signalization	\$ 1,270,000
		<b>Total (assuming Project 12, Option 1): \$ 13,334,000</b>
		<b>Total (assuming Project 12, Option 2): \$ 14,664,000</b>
<b>Alternative 3 Roadway Improvements</b>		
Project #	Project Name	Cost
	Carried over <i>Alternative 1 and 2 options with Project 12A</i>	\$ 9,487,000
	Carried over <i>Alternative 1 and 2 options with Project 12B</i>	\$ 10,817,000
4C	SR-1 Paved Shoulder and Curb (Phase C)	\$ 2,441,000
15	9th Street Roundabout	\$ 1,171,000
16	Etheldore Street Roundabout	\$ 1,492,000
17	Cypress Avenue Roundabout	\$ 1,205,000
18	Capistrano Road Roundabout	\$ 1,446,000
19	Coronado Street Roundabout	\$ 1,154,000
20	Mirada Road Roundabout	\$ 1,234,000
21	Kehoe Avenue Roundabout	\$ 1,240,000
22	Main Street (N) Roundabout	\$ 1,630,000
23	SR-1/SR-92 Roundabout	\$ 1,630,000
24	SR-92/Main Street Roundabout	\$ 1,630,000
25	Higgins Canyon Road Roundabout	\$ 1,313,000
26	SR-92/SR-35 Roundabout	\$ 1,177,000
27	Main Street Traffic Calming	\$ 522,000
28	Carlos Street Traffic Calming	\$ 306,000
29	Highway 1 Realignment (Center Alignment)	\$ 14,474,000
30	SR-1 East Side Frontage Road in Half Moon Bay	TBD
31	SR-92 Left Turn Lanes	\$ 418,000
32	SR-92 Passing/Climbing Lanes	\$ 1,519,000
33	SR-1 Widening to 4 Lanes	\$ 12,614,000
		<b>Total (assuming Project 12, Option 1): \$ 58,103,000</b>
		<b>Total (assuming Project 12, Option 2): \$ 59,433,000</b>

Project 1: Gray Whale Cove Turn and Acceleration Lanes



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Turn Restriction Signage  
**Project Location:** Midcoast and Half Moon Bay

**Description** Project will install signage and stripe pavement markings to restrict turning movements to consolidate traffic at key intersections within Midcoast and Half Moon Bay. These include: SR-1 and the central beach access parking lot (Montara), SR-1 and Carlos Street (Moss Beach), SR-1 and 9th Street (Montara), SR-1 and Young Avenue (Half Moon Bay), and SR-1 and Frenchman's Creek Road (Half Moon Bay).

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 6, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Install R3-2 Sign	6	EA	\$250.00	\$ 1,500
2	Right Turn Only Sign	5	EA	\$250.00	\$ 1,250
3	Stripe Right Turn Arrow	5	EA	\$200.00	\$ 1,000
4	Mobilization	1	LS	\$ 400.00	\$ 400

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 4,000

**Project Number 2**

Planning Engineering (TE)	\$ -	Contract Items	\$ 4,400
Preliminary Engineering (Design/Survey)*	\$ 35,000	OTHER COSTS (LUM)	\$ -
Utility Coordination (Design)	\$ -	Contingency*	\$ 1,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 5,400
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 35,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 35,000		
		<b>Grand Total</b>	<b>\$ 40,400</b>

\* CONTINGENCY is 15% of contract items.

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%



**> TOTAL (in 2015 dollars) \$ 40,000**




**Project 2: Turn Restriction Signage**

**SR-1 and Central Parking Lot (Montara)**


Restrict central lot to right-in, right-out access




R3-2



R3-2



R3-2



RIGHT  
TURN  
ONLY

**SR-1 and Carlos Street (Moss Beach)**





R3-2




RIGHT  
TURN  
ONLY

**SR-1 and 9th Street (Montara)**

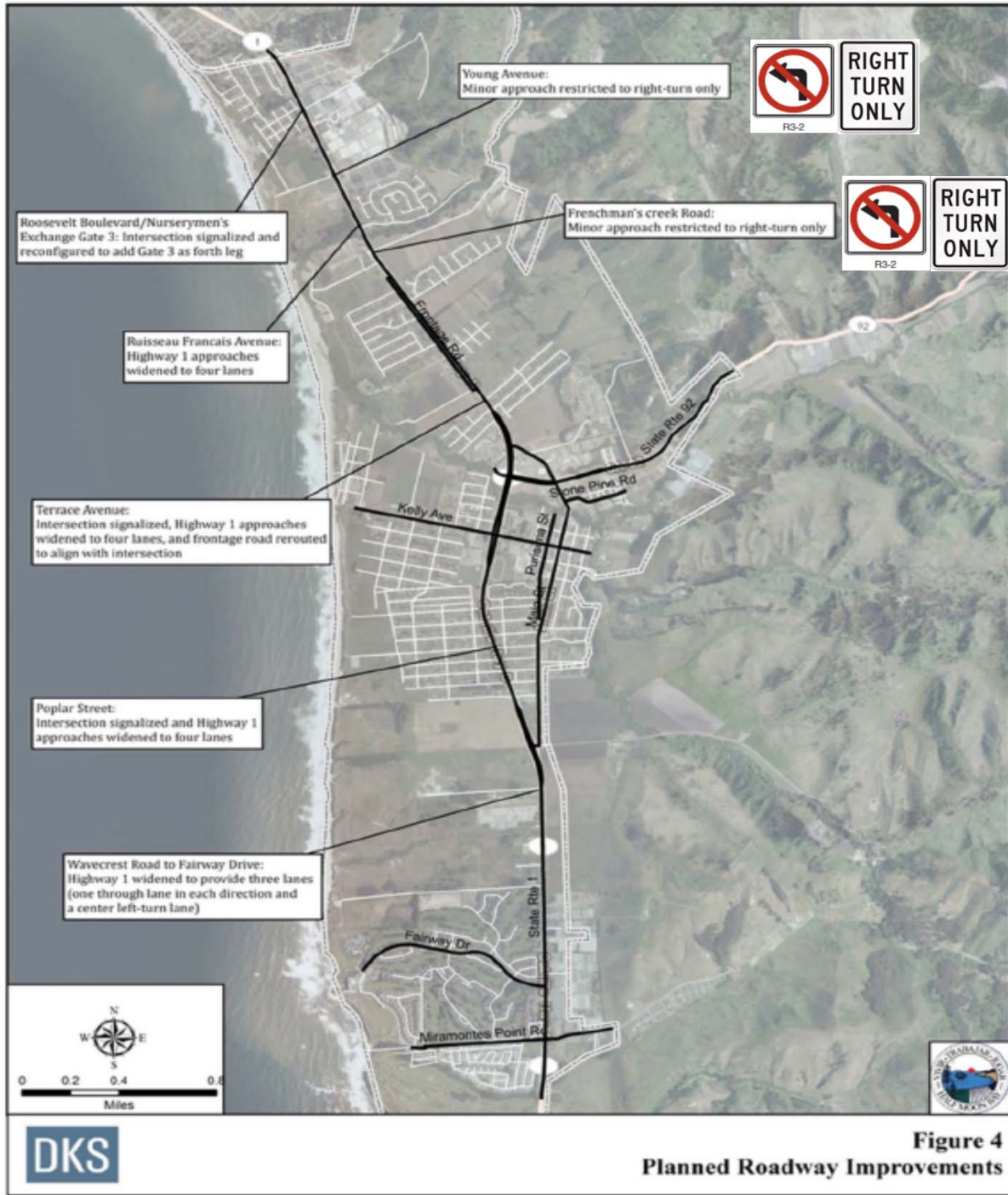


R3-2



RIGHT  
TURN  
ONLY

**Project 2: Turn Restriction Signage**



**Figure 4**  
**Planned Roadway Improvements**

1970 Broadway Ste 740, Oakland CA 94612

**Project Number 3**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Side-Street Stop Signs  
**Project Location:** Midcoast and Half Moon Bay

**Description**  
 Project will install stop signs to all unsigned side-street intersections along Hwy 1. These include Young Avenue in Half Moon Bay, Furtado Lane in El Granada, and 16th Street, 13th Street, 11th Street, 7th Street, Seacliff Lane, and 1st Street in Montara.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 6, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Install R1-1 Sign	8	EA	\$250.00	\$ 2,000
2	Mobilization	1	LS	\$ 200.00	\$ 200

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 2,000

**Project Number 3**

Planning Engineering (TE)	\$ -	Contract Items	\$ 2,200
Preliminary Engineering (Design/Survey)*	\$ 15,000	Other Costs (CON)	\$ -
Utility Coordination (Design)	\$ -	Contingency*	\$ 1,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 3,200
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 15,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 15,000</b>		

**Grand Total \$ 18,200**

\* CONTINGENCY is 15% of contract items.

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 18,000**

### **Project 3: SR-1 Side-Street Stop Signs**

Locations Missing Stop Signs:

#### **Half Moon Bay**

SR-1 and Young Avenue

#### **El Granada**

SR-1 and Furtado Lane

#### **Montara**

SR-1 and 16th Street

SR-1 and 13th Street

SR-1 and 11th Street

SR-1 and 7th Street

SR-1 and Seacliff Ct

SR-1 and 1st Street



R1-1

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Paved Shoulder and Curb (Phase A)  
**Project Location:** Half Moon Bay to Montara

**Description**

Project will provide a consistent cross section along Highway 1 for vehicle and pedestrian safety. In addition to the 6' paved shoulder which currently exists in the developed portions of Half Moon Bay, El Granada, Moss Beach, and Montara, the project will construct a concrete curb and gutter. Phase A improvements of Project 4 will be implemented during Alternative 1, whereas Phase B and C improvements will be implemented during Alternatives 2 and 3.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 11, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Curb and gutter	2	LF/LF	\$35.00	\$ 70.00
2	Temporary traffic control	1	LF/LF	\$3.50	\$ 3.50
3	Prepare Water Pollution Control Plan	1	LF/LF	\$1.50	\$ 1.50
4	Clearing and grubbing	1	LF/LF	\$3.00	\$ 3.00
5	Surveying	1	LF/LF	\$3.00	\$ 3.00
6	Misc. Drainage Modifications	1	LF/LF	\$7.00	\$ 7.00
				Cost Per Linear Foot:	\$ 88.00
7	Half Moon Bay Seg.- Terrace Ave to Seymour St	7350	LF	\$ 88.00	\$ 646,800
8	El Granada Seg.- Capistrano Rd to Coronado St	4460	LF	\$ 88.00	\$ 392,480
9	Moss Beach Seg.- California Ave to Cypress Ave	1430	LF	\$ 88.00	\$ 125,840
10	Montara Seg.- between 7th St and 9th St	545	LF	\$ 88.00	\$ 47,960
11	Mobilization	1	LS	\$ 121,300.00	\$ 121,300

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 1,213,000

**Project Number 4A**

Planning Engineering (TE)	\$ 122,000	Contract Items	\$ 1,334,300
Preliminary Engineering (Design/Survey)*	\$ 201,000	Other Costs (CON)	\$ 201,000
Utility Coordination (Design)	\$ 121,308	Contingency*	\$ 201,000
Environmental (Environmental, Real Property)	\$ 121,308	Subtotal (Contract Items)	\$ 1,736,300
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 122,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 443,616
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 201,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 766,616</b>		
		<b>Grand Total</b>	<b>\$ 2,301,916</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$ 2,302,000**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Paved Shoulder and Curb (Phase B)  
**Project Location:** Half Moon Bay to Montara

**Description**

Project will provide a consistent cross section along Highway 1 for vehicle and pedestrian safety. In addition to the 6' paved shoulder which currently exists in the developed portions of Half Moon Bay, El Granada, Moss Beach, and Montara, the project will construct a concrete curb and gutter. Phase B improvements of Project 4 will be implemented during Alternative 2, whereas Phase A and C improvements were/will be implemented during Alternatives 1 and 3.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 11, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Curb and gutter	2	LF/LF	\$35.00	\$ 70.00
2	Temporary traffic control	1	LF/LF	\$3.50	\$ 3.50
3	Prepare Water Pollution Control Plan	1	LF/LF	\$1.50	\$ 1.50
4	Clearing and grubbing	1	LF/LF	\$3.00	\$ 3.00
5	Surveying	1	LF/LF	\$3.00	\$ 3.00
6	Misc. Drainage Modifications	1	LF/LF	\$7.00	\$ 7.00
				<b>Cost Per Linear Foot:</b>	<b>\$ 88.00</b>
7	Half Moon Bay Seg.- Seymour to Redondo Bch & Terr	8930	LF	\$ 88.00	\$ 785,840
8	El Granada Seg.- Coronado St to Medio Ave & Capistr	4800	LF	\$ 88.00	\$ 422,400
9	Moss Beach Seg.- Cypress Ave to Etheldore St	1720	LF	\$ 88.00	\$ 151,360
10	Montara Seg.- between 1st St and 7th St	1570	LF	\$ 88.00	\$ 138,160
11	Mobilization	1	LS	\$ 149,800.00	\$ 149,800

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 1,498,000

**Project Number 4B**

Planning Engineering (TE)	\$ 150,000	Contract Items	\$ 1,647,800
Preliminary Engineering (Design/Survey)*	\$ 248,000	Other Costs (CON)	\$ 248,000
Utility Coordination (Design)	\$ 149,776	Contingency*	\$ 248,000
Environmental (Environmental, Real Property)	\$ 149,776	Subtotal (Contract Items)	\$ 2,143,800
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 150,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 547,552
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 248,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 945,552</b>		
		<b>Grand Total</b>	<b>\$ 2,841,352</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$ 2,841,000**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Paved Shoulder and Curb (Phase C)  
**Project Location:** Half Moon Bay to Montara

**Description** Project will provide a consistent cross section along Highway 1 for vehicle and pedestrian safety. In addition to the 6' paved shoulder which currently exists in the developed portions of Half Moon Bay, El Granada, Moss Beach, and Montara, the project will construct a concrete curb and gutter. Phase C improvements of Project 4 will be implemented during Alternative 3, whereas Phase A and B improvements were previously implemented during Alternatives 1 and 2.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 11, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Curb and gutter	2	LF/LF	\$35.00	\$ 70.00
2	Temporary traffic control	1	LF/LF	\$3.50	\$ 3.50
3	Prepare Water Pollution Control Plan	1	LF/LF	\$1.50	\$ 1.50
4	Clearing and grubbing	1	LF/LF	\$3.00	\$ 3.00
5	Surveying	1	LF/LF	\$3.00	\$ 3.00
6	Misc. Drainage Modifications	1	LF/LF	\$7.00	\$ 7.00
				Cost Per Linear Foot:	\$ 88.00
7	Half Moon Bay Seg.- Redondo Bch to Miramntes Pt Rd	8820	LF	\$ 88.00	\$ 776,160
8	El Granada Seg.- Medio Ave to Mirada Rd	1240	LF	\$ 88.00	\$ 109,120
9	Moss Beach Seg.- Carlos St to California Ave	3220	LF	\$ 88.00	\$ 283,360
10	Montara Seg.- between 9th St and 14th St	1345	LF	\$ 88.00	\$ 118,360
11	Mobilization	1	LS	\$ 128,700.00	\$ 128,700

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 1,287,000

**Project Number 4C**

Planning Engineering (TE)	\$ 129,000	Contract Items	\$ 1,415,700
Preliminary Engineering (Design/Survey)*	\$ 213,000	Other Costs (CON)	\$ 213,000
Utility Coordination (Design)	\$ 128,700	Contingency*	\$ 213,000
Environmental (Environmental, Real Property)	\$ 128,700	Subtotal (Contract Items)	\$ 1,841,700
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 129,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 470,400
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 213,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 812,400</b>		
		<b>Grand Total</b>	<b>\$ 2,441,100</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

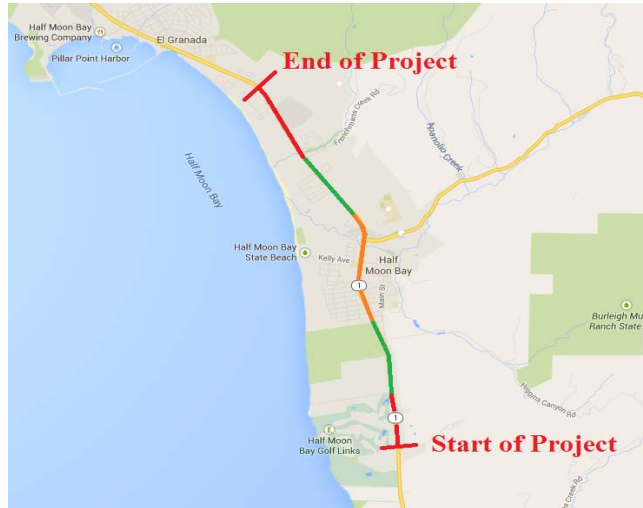
\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 2,441,000**

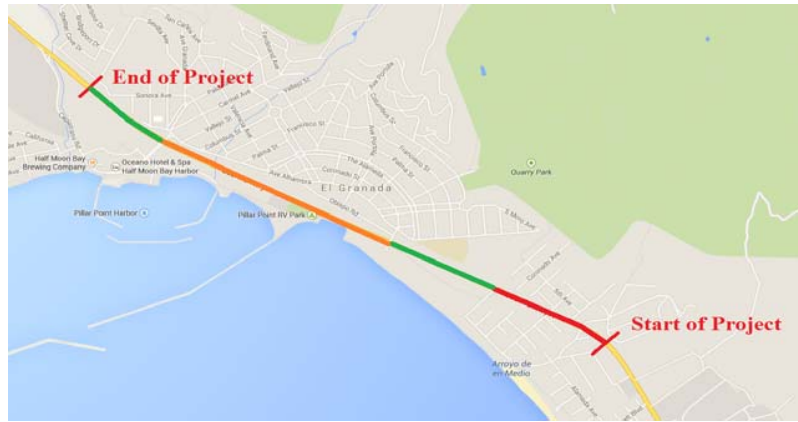
**Project 4: SR-1 Paved Shoulder and Curb**

Half Moon Bay Segment

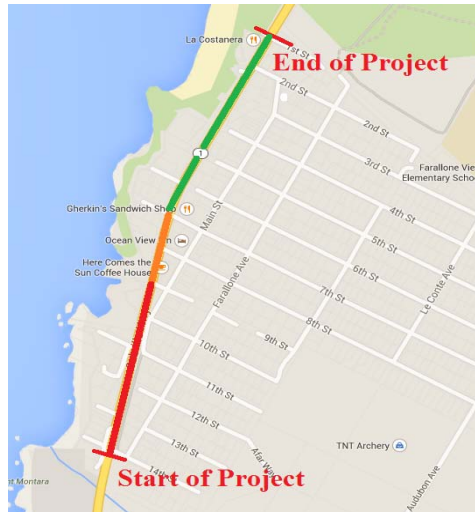
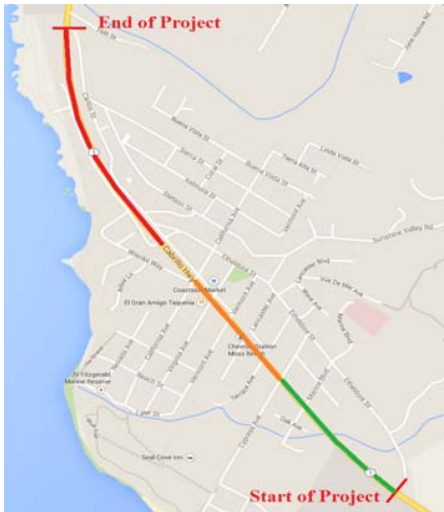


- Phase A Improvement
- Phase B Improvement
- Phase C Improvement

El Granada Segment



Moss Beach Segment



Montara Segment



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** California Avenue Signal  
**Project Location:** SR-1 and California Avenue, Moss Beach

**Description** Project will signalize the intersection of SR-1 and California Avenue in Moss Beach.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 11, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Install traffic signal with safety lighting	5	EA	\$ 68,750.00	\$ 343,750
2	Removal of signs	1	LS	\$ 500.00	\$ 500
3	Removal of pavement legends	1	LS	\$ 1,000.00	\$ 1,000
4	Thermoplastic striping for crosswalks	1	LS	\$ 2,000.00	\$ 2,000
5	Restripe intersection approach	5	EA	\$ 2,500.00	\$ 12,500
6	Temporary traffic control	1	LS	\$ 9,000.00	\$ 9,000
7	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
8	Mobilization	1	LS	\$ 37,500.00	\$ 37,500

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 375,000

**Project Number 5**

Planning Engineering (TE)	\$ 38,000	Contract Items	\$ 412,500
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 83,000
Utility Coordination (Design)	\$ 35,975	Contingency*	\$ 62,000
Environmental (Environmental, Real Property)	\$ 35,975	Subtotal (Contract Items)	\$ 557,500
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 38,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 171,950
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 83,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 292,950		
		<b>Grand Total</b>	<b>\$ 767,450</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 767,000**

Project 5: California Avenue Signal



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Cypress Avenue Signal  
**Project Location:** SR-1 and Cypress Avenue, Moss Beach

**Description** Project will signalize the intersection of SR-1 and Cypress Avenue in Moss Beach.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 11, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Install traffic signal with safety lighting	4	EA	\$ 68,750.00	\$ 275,000
2	Removal of signs	1	LS	\$ 500.00	\$ 500
3	Removal of pavement legends	1	LS	\$ 1,000.00	\$ 1,000
4	Thermoplastic striping for crosswalks	1	LS	\$ 2,000.00	\$ 2,000
5	Restripe intersection approach	4	EA	\$ 2,500.00	\$ 10,000
6	Temporary traffic control	1	LS	\$ 7,000.00	\$ 7,000
7	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
8	Mobilization	1	LS	\$ 30,200.00	\$ 30,200

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 302,000

**Project Number 6**

Planning Engineering (TE)	\$ 31,000	Contract Items	\$ 332,200
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 67,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 50,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 449,200
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 31,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 160,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 67,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 258,000		
		<b>Grand Total</b>	<b>\$ 640,200</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 640,000**

Project 6: Cypress Avenue Signal





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Kehoe Avenue Signal  
**Project Location:** SR-1 and Kehoe Avenue, Half Moon Bay

**Description** Project will signalize the intersection of SR-1 and Kehoe Avenue in Half Moon Bay.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 11, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Install traffic signal with safety lighting	4	EA	\$ 68,750.00	\$ 275,000
2	Removal of signs	1	LS	\$ 500.00	\$ 500
3	Removal of pavement legends	1	LS	\$ 1,000.00	\$ 1,000
4	Thermoplastic striping for crosswalks	1	LS	\$ 2,000.00	\$ 2,000
5	Restripe intersection approach	4	EA	\$ 2,500.00	\$ 10,000
6	Temporary traffic control	1	LS	\$ 7,000.00	\$ 7,000
7	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
8	Mobilization	1	LS	\$ 30,200.00	\$ 30,200

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 302,000

**Project Number 7**

Planning Engineering (TE)	\$ 31,000	Contract Items	\$ 332,200
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 67,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 50,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 449,200
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 31,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 160,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 67,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 258,000		
		<b>Grand Total</b>	<b>\$ 640,200</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 640,000**

Project 7: Kehoe Avenue Signal



1970 Broadway Ste 740, Oakland CA 94612

**Project Number**

**8**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Main Street (S) Signal  
**Project Location:** SR-1 and Main Street (S), Half Moon Bay

**Description** Project will signalize the intersection of SR-1 and Main Street (S) in Half Moon Bay.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 11, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Install traffic signal with safety lighting	3	EA	\$ 68,750.00	\$ 206,250
2	Removal of signs	1	LS	\$ 500.00	\$ 500
3	Removal of pavement legends	1	LS	\$ 1,000.00	\$ 1,000
4	Thermoplastic striping for crosswalks	1	LS	\$ 2,000.00	\$ 2,000
5	Restripe intersection approach	3	EA	\$ 2,500.00	\$ 7,500
6	Temporary traffic control	1	LS	\$ 5,000.00	\$ 5,000
7	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
8	Mobilization	1	LS	\$ 22,800.00	\$ 22,800

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 228,000

**Project Number 8**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 250,800
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 51,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 38,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 339,800
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 160,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 51,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 241,000		
		Grand Total	\$ 529,800

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 530,000**

**Project 8: Main Street (S) Signal**





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Median and Left Turn Bay in Montara  
**Project Location:** SR-1 between 7th Street and 9th Street

**Description** In addition to the left turn restrictions proposed in Alternative 1, this project will construct a median along SR-1 between 7th and 9th Streets in Montara, while still allowing left turns in and out of 8th Street via a "bird shaped" island.

**Project Length (ft):** 635

**Date of Estimate:** Feb. 6, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Remove existing striping	1	LS	\$500.00	\$ 500
2	Demolish existing asphalt	4840	SF	\$3.00	\$ 14,520
3	Median curb	1270	LF	\$35.00	\$ 44,450
4	Stripe "bird shaped" island	250	SF	\$7.00	\$ 1,750
5	Stripe turn bays	400	LF	\$3.00	\$ 1,200
6	Stripe arrows	4	EA	\$200.00	\$ 800
7	Mobilization	1	LS	\$ 6,300.00	\$ 6,300

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 63,000

**Project Number 9**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 69,300
Preliminary Engineering (Design/Survey)*	\$ 35,000	Other Costs (CON)	\$ 20,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 11,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 100,300
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 95,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 20,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 145,000</b>		
		<b>Grand Total</b>	<b>\$ 225,300</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

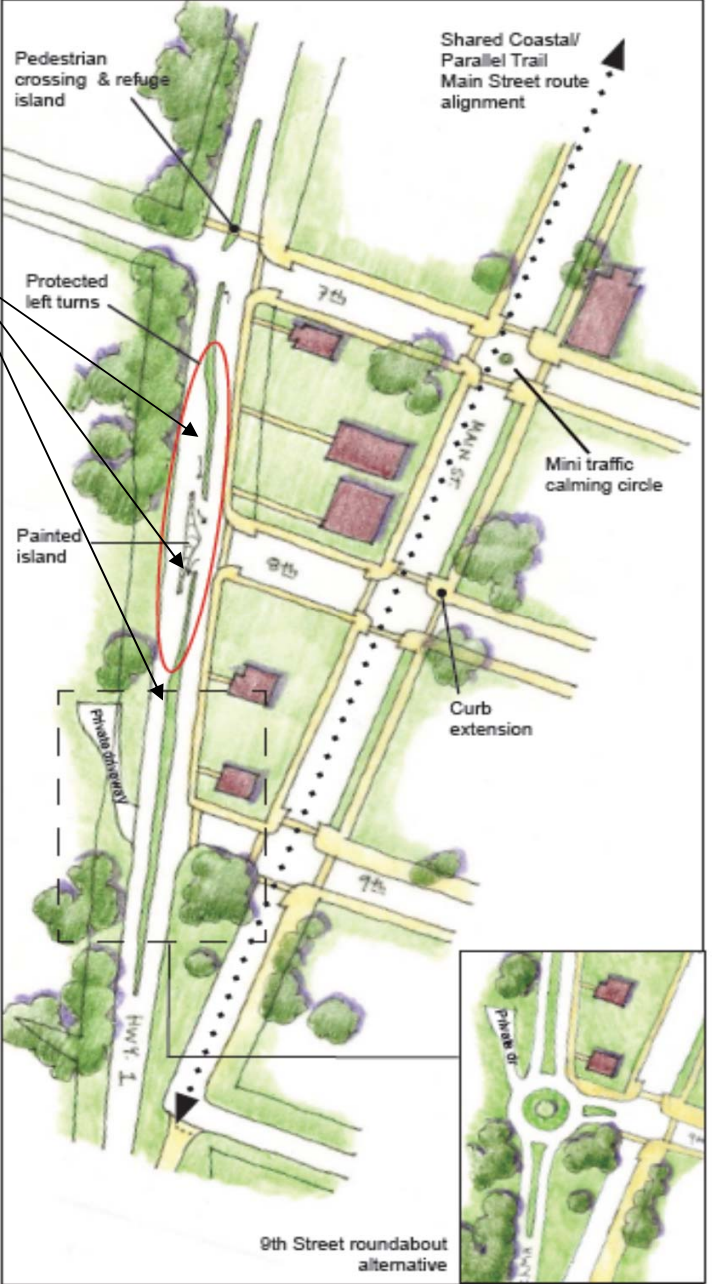
Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 225,000**

Project 9: SR-1 Median and Left Turn Bay in Montara

Proposed Circulation, Access and Pedestrian Improvements

Proposed Project



1970 Broadway Ste 740, Oakland CA 94612

**Project Number 10**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Access Restrictions in Moss Beach  
**Project Location:** SR-1 between Etheldore St and Vermont Ave

**Description**

This project will restrict access to SR-1 between Etheldore Street and Vermont Avenue east of SR-1 in Moss Beach. Specifically, the project will extend the frontage median along Carlos Street across the California and Virginia Avenue intersections on the east side of the highway, consolidating the access to Vallemar Street and Vermont Avenue. Additionally, a curb will be constructed around the entirety of the median.

**Project Length (ft):** 1060

**Date of Estimate:** Feb. 6, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Median curb	2180	LF	\$35.00	\$ 76,300
2	Demolish existing asphalt	3200	SF	\$3.00	\$ 9,600
3	Mobilization	1	LS	\$ 8,600.00	\$ 8,600

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 86,000

**Project Number 10**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 94,600
Preliminary Engineering (Design/Survey)*	\$ 48,000	OTHER COSTS (LOW)	\$ 20,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 15,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 129,600
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 108,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 20,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 158,000		
		<b>Grand Total</b>	<b>\$ 267,600</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

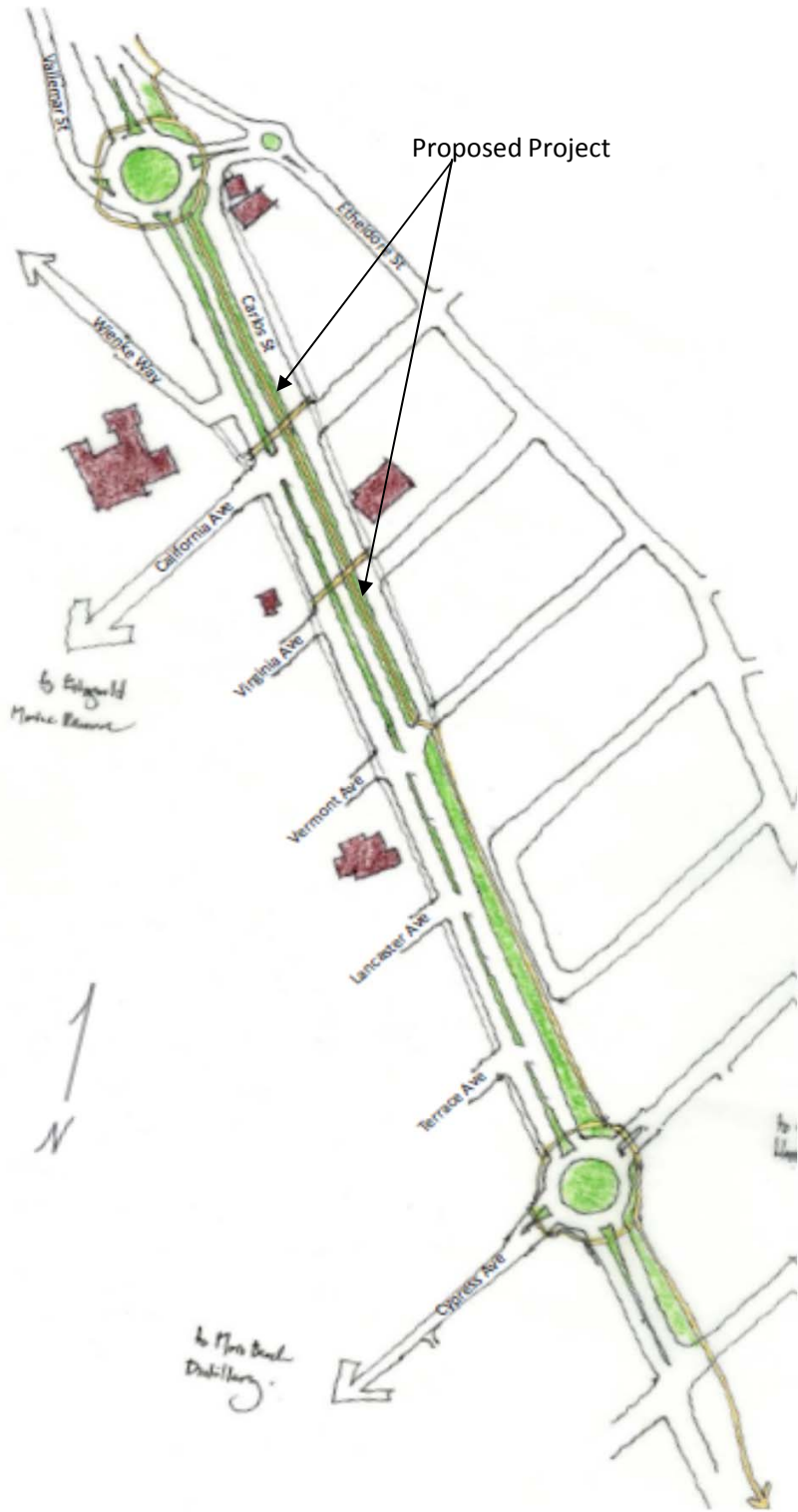
\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 268,000**

**Project 10: SR-1 Access Restrictions in Moss Beach**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Montara Lighthouse Median and Left Turn Bay  
**Project Location:** SR-1 and between Carlos Street and Lighthouse Driveway

**Description**

Project would install a median with a northbound left turn bay into the lighthouse driveway. This median would also provide a southbound left turn bay at Carlos Street, complementing the left turn restriction out of Carlos Street proposed in Alternative 1.

**Project Length (ft):** 175

**Date of Estimate:** Feb. 6, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Remove existing striping	1	LS	\$1,000.00	\$ 1,000
2	Demolish existing asphalt	700	SF	\$3.00	\$ 2,100
3	Construct concrete median	350	LF	\$70.00	\$ 24,500
4	Striping turn bays	150	LF	\$3.00	\$ 450
5	Stripe left turn arrow	2	EA	\$200.00	\$ 400
6	Install new signage	1	LS	\$2,000.00	\$ 2,000
7	Mobilization	1	LS	\$ 3,000.00	\$ 3,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 30,000

**Project Number 11**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 33,000
Preliminary Engineering (Design/Survey)*	\$ 17,000	Other Costs (CON)	\$ 20,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 10,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 63,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 77,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 20,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 127,000</b>		
		<b>Grand Total</b>	<b>\$ 170,000</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

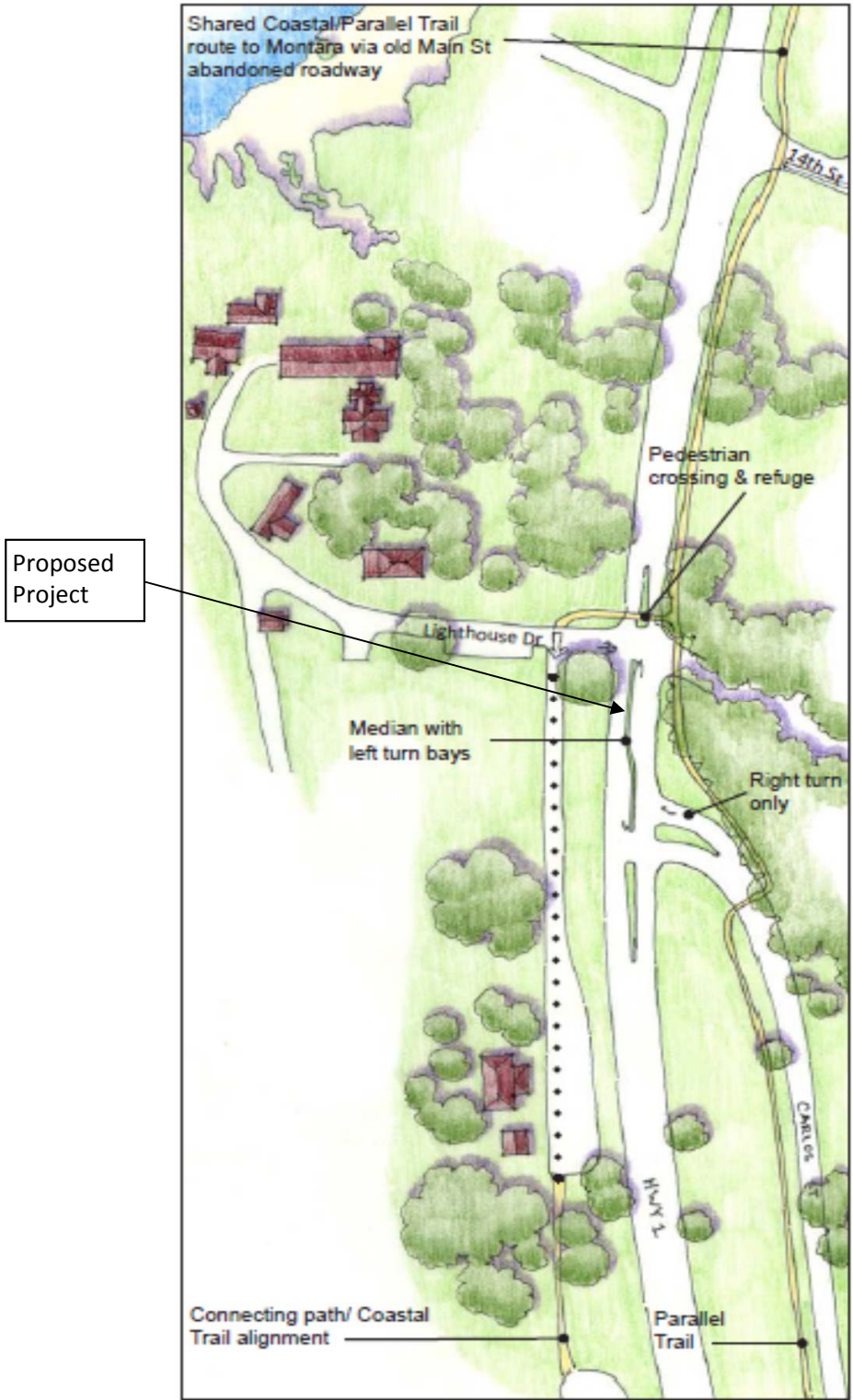
\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$ 170,000**

Project 11: Montara Lighthouse Median and Left Turn Bay





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Nurserymen's Exchange Access Consolidation (Minimal Alternative)  
**Project Location:** East of SR-1 from Young Avenue to Roosevelt Boulevard

**Description**

This project would consolidate the current parallel, informal, gravel driveway system into a more defined system. Specifically, a 24' wide service road would be constructed (roughly in the current footprint of unpaved Alto Avenue), beginning at Young Avenue and continuing northward to Roosevelt Boulevard. This project would serve to minimize pedestrian conflicts with industrial vehicles and provide an opportunity to enhance pedestrian facilities, such as leave room for lighting and landscaping. While this project could even be implemented at the same time as the City of Half Moon Bay proposed trail on the east side of the highway, this trail or its related amenities are not included in this cost estimate.

**Project Length (ft):** 1960

**Date of Estimate:** Feb. 6, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Earthwork	47040	SF	\$2.00	\$ 94,080
2	Class 2 Aggregate Base	3484	CY	\$65.00	\$ 226,489
3	Hot Mix Asphalt (Type A)	2328	Ton	\$110.00	\$ 256,133
4	Striping	5880	LF	\$3.00	\$ 17,640
5	Clearing and grubbing	47040	SF	\$0.50	\$ 23,520
6	Demolish existing asphalt at dwys to be removed	1250	SF	\$3.00	\$ 3,750
7	Landscape gravel areas at dwys to be removed	1060	SF	\$7.00	\$ 7,420
8	Misc. drainage modifications	1	LS	\$125,800.00	\$ 125,800
9	Temporary traffic control	1	LS	\$31,500.00	\$ 31,500
10	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
11	Surveying	1	LS	\$30,000.00	\$ 30,000
12	Mobilization	1	LS	\$ 82,200.00	\$ 82,200

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 822,000

**Project Number 12 (Option 1)**

Planning Engineering (TE)	\$ 83,000	Contract Items	\$ 904,200
Preliminary Engineering (Design/Survey)*	\$ 136,000	Other Costs (CON)	\$ 136,000
Utility Coordination (Design)	\$ 62,903	Contingency*	\$ 136,000
Environmental (Environmental, Real Property)	\$ 62,903	Subtotal (Contract Items)	\$ 1,176,200
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 83,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 261,806
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 136,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 480,806		

**Grand Total \$ 1,521,006**

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 1,521,000**

**Project 12-1: Nurserymen's Exchange Access Consolidation (Minimal Alternative)**





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Nurserymen's Exchange Access Consolidation (Expanded Alternative)  
**Project Location:** East of SR-1 from Young Avenue to Roosevelt Boulevard

**Description**

This project would consolidate the current parallel, informal, gravel driveway system into a more defined system. Specifically, a service road would be constructed (roughly in the current footprint of unpaved Alto Avenue), beginning at the driveway south of Young Avenue and continuing northward to Mirada Road. This is larger in scope than the minimal alternative, which only consolidates access adjacent to the Nurserymen's Exchange. This expanded alternative is expected to cost significantly more, but offers additional benefit in consolidating more driveways along SR-1. This project would serve to minimize pedestrian conflicts and provide an opportunity to enhance pedestrian facilities, such as leave room for lighting and landscaping. While this project could even be implemented at the same time as the City of Half Moon Bay proposed trail on the east side of the highway, this trail or its related amenities are not included in this cost estimate.

**Project Length (ft):** 3530

**Date of Estimate:** Feb. 6, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Earthwork	84720	SF	\$2.00	\$ 169,440
2	Class 2 Aggregate Base	6276	CY	\$65.00	\$ 407,911
3	Hot Mix Asphalt (Type A)	4194	Ton	\$110.00	\$ 461,300
4	Striping	10590	LF	\$3.00	\$ 31,770
5	Clearing and grubbing	84720	SF	\$1.00	\$ 84,720
6	Demolish existing asphalt at dwys to be removed	1750	SF	\$3.00	\$ 5,250
7	Landscape gravel areas at dwys to be removed	10710	SF	\$7.00	\$ 74,970
8	Misc. drainage modifications	1	LS	\$247,100.00	\$ 247,100
9	Temporary traffic control	1	LS	\$61,800.00	\$ 61,800
10	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
11	Surveying	1	LS	\$30,000.00	\$ 30,000
12	Mobilization	1	LS	\$ 158,000.00	\$ 158,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 1,580,000

**Project Number 12 (Option 2)**

Planning Engineering (TE)	\$ 83,000	Contract Items	\$ 1,738,000
Preliminary Engineering (Design/Survey)*	\$ 261,000	Other Costs (CON)	\$ 261,000
Utility Coordination (Design)	\$ 123,536	Contingency*	\$ 261,000
Environmental (Environmental, Real Property)	\$ 123,536	Subtotal (Contract Items)	\$ 2,260,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 83,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 508,072
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 261,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 852,072</b>		
		<b>Grand Total</b>	<b>\$ 2,851,072</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 2,851,000**

**Project 12-2: Nurserymen's Exchange Access Consolidation (Expanded Alternative)**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Frenchman's Creek Road Realignment and Access Consolidation  
**Project Location:** Frenchman's Creek Road at Venice Boulevard

**Description**

This project would consolidate three access points to SR-1 (Frenchman's Creek Road, Venice Boulevard, and Frontage Road) into a single access point. This would be accomplished by realigning Frenchman's Creek Road to intersect the highway at Venice Boulevard. Frontage Road would have its current access to SR-1 closed off and be extended to intersect Venice Boulevard just west of its intersection with SR-1.

**Date of Estimate:** Feb. 6, 2015  
**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
<b>Realign Frenchman's Creek Road</b>					
Project Length (ft): 550					
1	Earthwork	19800	SF	\$2.00	\$ 39,600
2	Class 2 Aggregate Base	1467	CY	\$65.00	\$ 95,333
3	Hot Mix Asphalt (Type A)	980	Ton	\$110.00	\$ 107,811
4	Striping	1650	LF	\$3.00	\$ 4,950
5	Clearing and grubbing	19800	SF	\$0.50	\$ 9,900
6	Misc. drainage modifications	1	LS	\$51,500.00	\$ 51,500
<b>Subtotal:</b>					\$ 309,094
<b>Extend Frontage Road to Venice Boulevard</b>					
Project Length (ft): 465					
7	Earthwork	10230	SF	\$2.00	\$ 20,460
8	Class 2 Aggregate Base	758	CY	\$65.00	\$ 49,256
9	Hot Mix Asphalt (Type A)	506	Ton	\$110.00	\$ 55,702
10	Striping	1395	LF	\$3.00	\$ 4,185
11	Clearing and grubbing	10230	SF	\$0.50	\$ 5,115
12	Misc. drainage modifications	1	LS	\$26,900.00	\$ 26,900
<b>Subtotal:</b>					\$ 161,618
<b>Widen Venice Boulevard within 300' of Intersection</b>					
Project Length (ft): 300					
13	Earthwork	6600	SF	\$2.00	\$ 13,200
14	Class 2 Aggregate Base	489	CY	\$65.00	\$ 31,778
15	Hot Mix Asphalt (Type A)	327	Ton	\$110.00	\$ 35,937
16	Striping	900	LF	\$3.00	\$ 2,700
17	Clearing and grubbing	6600	SF	\$0.50	\$ 3,300
18	Misc. drainage modifications	1	LS	\$17,400.00	\$ 17,400
<b>Subtotal:</b>					\$ 104,315
19	Temporary traffic control	1	LS	\$28,800.00	\$ 28,800
20	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
21	Surveying	1	LS	\$30,000.00	\$ 30,000
22	Mobilization	1	LS	\$ 63,982.70	\$ 63,983

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 639,827

**Project Number 13**

Planning Engineering (TE)	\$ 64,000	Contract Items	\$ 703,810
Preliminary Engineering (Design/Survey)*	\$ 106,000	Other Costs (CON)	\$ 106,000
Utility Coordination (Design)	\$ 47,923	Contingency*	\$ 106,000
Environmental (Environmental, Real Property)	\$ 47,923	Subtotal (Contract Items)	\$ 915,810
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 64,000

Real Property Labor	\$ -	Subtotal (PE)	\$ 201,845
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 106,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 371,845</b>		

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

<b>Grand Total</b>	<b>\$ 1,181,655</b>
Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%
<b>&gt; TOTAL (in 2015 dollars)</b>	<b>\$ 1,182,000</b>

**Project 13: Frenchman's Creek Road Realignment and Access Consolidation**

Frenchmans Creek Road alignment with Venice Boulevard; Frontage Road extension to Venice Boulevard.



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Terrace Avenue/Grand Boulevard Access Consolidation and Signalization  
**Project Location:** SR-1 from Terrace Avenue to Grand Boulevard

**Description**

This project would consolidate access to SR-1 in the vicinity of Terrace Avenue and Grand Boulevard. Specifically, the intersection of SR-1 and Terrace Avenue will be signalized, and the existing frontage road extended along the east side of SR-1 to Grand Boulevard. This frontage road will provide the sole access to Grand Boulevard. Traffic from Grand Boulevard would still be able to turn right onto SR-1, but would have to use the frontage road to the new Terrace Avenue signal to turn left onto the highway. The existing bike path would need to be realigned to construct the frontage road. While SR-1 will ultimately be widened to 4 lanes, this project does not assume this improvement.

**Project Length (ft):** 700

**Date of Estimate:** Feb. 6, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
<b>Signalization</b>					
1	Install traffic signal with safety lighting	4	EA	\$ 68,750.00	\$ 275,000
2	Thermoplastic striping for crosswalks	1	LS	\$ 2,000.00	\$ 2,000
3	Restriping SR-1	700	LF	\$ 8.00	\$ 5,600
<b>Extend Frontage Road</b>					
4	Clearing and grubbing	13200	SF	\$1.00	\$ 13,200
5	Remove existing pavement	1700	SF	\$3.00	\$ 5,100
6	Earthwork	13200	SF	\$2.00	\$ 26,400
7	Class 2 Aggregate Base	978	CY	\$65.00	\$ 63,556
8	Hot Mix Asphalt (Type A)	653	Ton	\$110.00	\$ 71,874
9	Striping new frontage road	1650	LF	\$3.00	\$ 4,950
10	Misc. drainage modifications	1	LS	\$37,000.00	\$ 37,000
11	Retaining wall	250	LF	\$200.00	\$ 50,000
<b>Relocate Bike Trail</b>					
12	Remove existing pavement	5760	SF	\$3.00	\$ 17,280
13	Clearing and grubbing	5600	SF	\$1.00	\$ 5,600
14	Earthwork	5600	SF	\$2.00	\$ 11,200
15	Class 2 Aggregate Base	207	CY	\$65.00	\$ 13,481
16	Hot Mix Asphalt (Type A)	139	Ton	\$110.00	\$ 15,246
17	Striping	700	LF	\$3.00	\$ 2,100
18	Temporary traffic control	1	LS	\$26,600.00	\$ 26,600
19	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
20	Mobilization	1	LS	\$ 65,200.00	\$ 65,200

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 652,000

**Project Number**

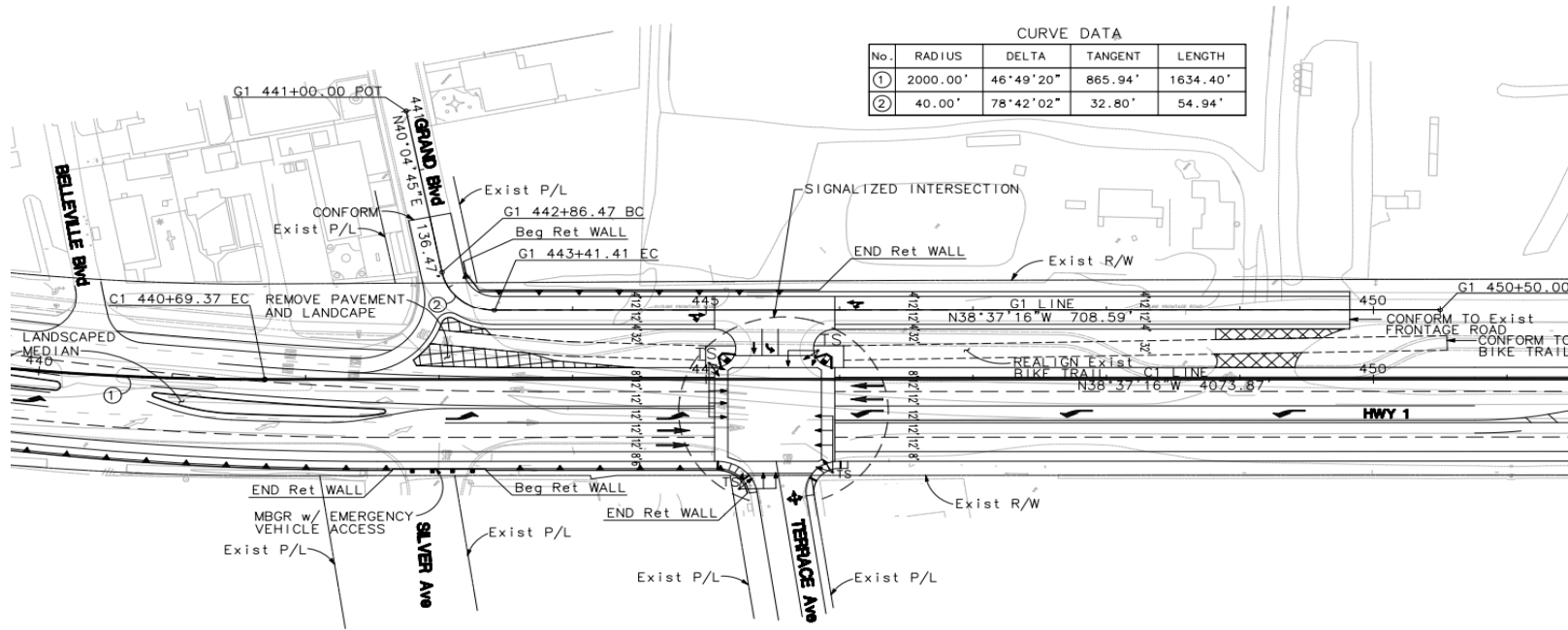
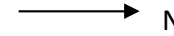
**14**

Planning Engineering (TE)	\$ 66,000	Contract Items	\$ 717,200
Preliminary Engineering (Design/Survey)*	\$ 108,000	Other Costs (CON)	\$ 108,000
Utility Coordination (Design)	\$ 81,519	Contingency*	\$ 108,000
Environmental (Environmental, Real Property)	\$ 81,519	Subtotal (Contract Items)	\$ 933,200
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 66,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 271,037
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 108,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 445,037</b>		

- \* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)
- \* Construction Engineering is 15% of contract items. (\$20,000 min.)
- \* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Grand Total	\$	1,270,237
Current Year		2015
Escalation Year		2015
Escalation Rate		0.0%
<b>&gt; TOTAL (in 2015 dollars)</b>		<b>\$ 1,270,000</b>

**Project 14: Terrace Avenue/Grand Boulevard Access Consolidation and Signalization**





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** 9th Street Roundabout  
**Project Location:** SR-1 and 9th Street, Montara

**Description** Project would install a 130' roundabout at the intersection of SR-1 and 9th Street in Montara. The costs of the medians north, south, and east of the roundabout are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition	13,273	SF	\$3.00	\$ 39,820
3	Excavation	1,401	CY	\$75.00	\$ 105,073
4	Class 2 Aggregate Base	697	CY	\$65.00	\$ 45,307
5	Hot Mix Asphalt (Type A)	466	Ton	\$110.00	\$ 51,237
6	Curb & Gutter	1,426	LF	\$35.00	\$ 49,895
7	Striping	948	LF	\$3.00	\$ 2,845
8	ADA Curb Ramp	1	EA	\$3,000.00	\$ 3,000
9	Truncated Domes	1	EA	\$750.00	\$ 750
10	Irrigation and Landscaping	9,503	SF	\$10.00	\$ 95,033
11	Pavers	1,649	SF	\$25.00	\$ 41,233
12	Relocate existing lighting fixtures	2	EA	\$2,000.00	\$ 4,000
13	Lighting fixtures	6	EA	\$8,000.00	\$ 48,000
14	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
15	Removal of existing signs	1	LS	\$500.00	\$ 500
16	New signage	1	LS	\$1,500.00	\$ 1,500
17	Misc. drainage improvements	1	LS	\$97,900.00	\$ 97,900
18	Mobilization	1	LS	\$ 61,800.00	\$ 61,800

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 618,000

**Project Number 15**

Planning Engineering (TE)	\$ 62,000	Contract Items	\$ 679,800
Preliminary Engineering (Design/Survey)*	\$ 102,000	Other Costs (CON)	\$ 102,000
Utility Coordination (Design)	\$ 61,759	Contingency*	\$ 102,000
Environmental (Environmental, Real Property)	\$ 61,759	Subtotal (Contract Items)	\$ 883,800
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 62,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 225,519
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 102,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 389,519</b>		
		<b>Grand Total</b>	<b>\$ 1,171,319</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$1,171,000**

Project 15: 9th Street Roundabout



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Etheldore Street Roundabout  
**Project Location:** SR-1 and Etheldore Street, Moss Beach

**Description**

Project would install a 130' roundabout at the intersection of SR-1 and Etheldore Street in Moss Beach. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for each approach (within 50' of the roundabout) is assumed to be included. However the median between Carlos Street and SR-1 has been costed as a separate project. This project is actually a combination of a roundabout at SR-1 and Etheldore Street, and a smaller traffic circle at Etheldore Street and Carlos Street. Carlos Street (the frontage road) will be forced to merge right through the roundabout onto Etheldore Street and would have to U-turn at the traffic circle to access SR-1. Bike improvements are not included in this cost.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition	16,101	SF	\$3.00	\$ 48,302
3	Excavation	1,815	CY	\$75.00	\$ 136,115
4	Class 2 Aggregate Base	977	CY	\$65.00	\$ 63,497
5	Hot Mix Asphalt (Type A)	653	Ton	\$110.00	\$ 71,808
6	Curb & Gutter	2,646	LF	\$35.00	\$ 92,623
7	Striping	1,672	LF	\$3.00	\$ 5,016
8	ADA Curb Ramp	1	EA	\$3,000.00	\$ 3,000
9	Truncated Domes	1	EA	\$750.00	\$ 750
10	Irrigation and Landscaping	11,313	SF	\$10.00	\$ 113,129
11	Pavers	1,649	SF	\$25.00	\$ 41,233
12	Relocate existing lighting fixtures	2	EA	\$2,000.00	\$ 4,000
13	Lighting fixtures	6	EA	\$8,000.00	\$ 48,000
14	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
15	Removal of existing signs	1	LS	\$500.00	\$ 500
16	New signage	1	LS	\$1,500.00	\$ 1,500
17	Misc. drainage improvements	1	LS	\$126,200.00	\$ 126,200
18	Mobilization	1	LS	\$ 78,700.00	\$ 78,700

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 787,000

**Project Number 16**

Planning Engineering (TE)	\$ 79,000	Contract Items	\$ 865,700
Preliminary Engineering (Design/Survey)*	\$ 130,000	Other Costs (CON)	\$ 130,000
Utility Coordination (Design)	\$ 78,717	Contingency*	\$ 130,000
Environmental (Environmental, Real Property)	\$ 78,717	Subtotal (Contract Items)	\$ 1,125,700
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 79,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 287,434
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 130,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 496,434</b>	<b>Grand Total</b>	<b>\$ 1,492,134</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$1,492,000**

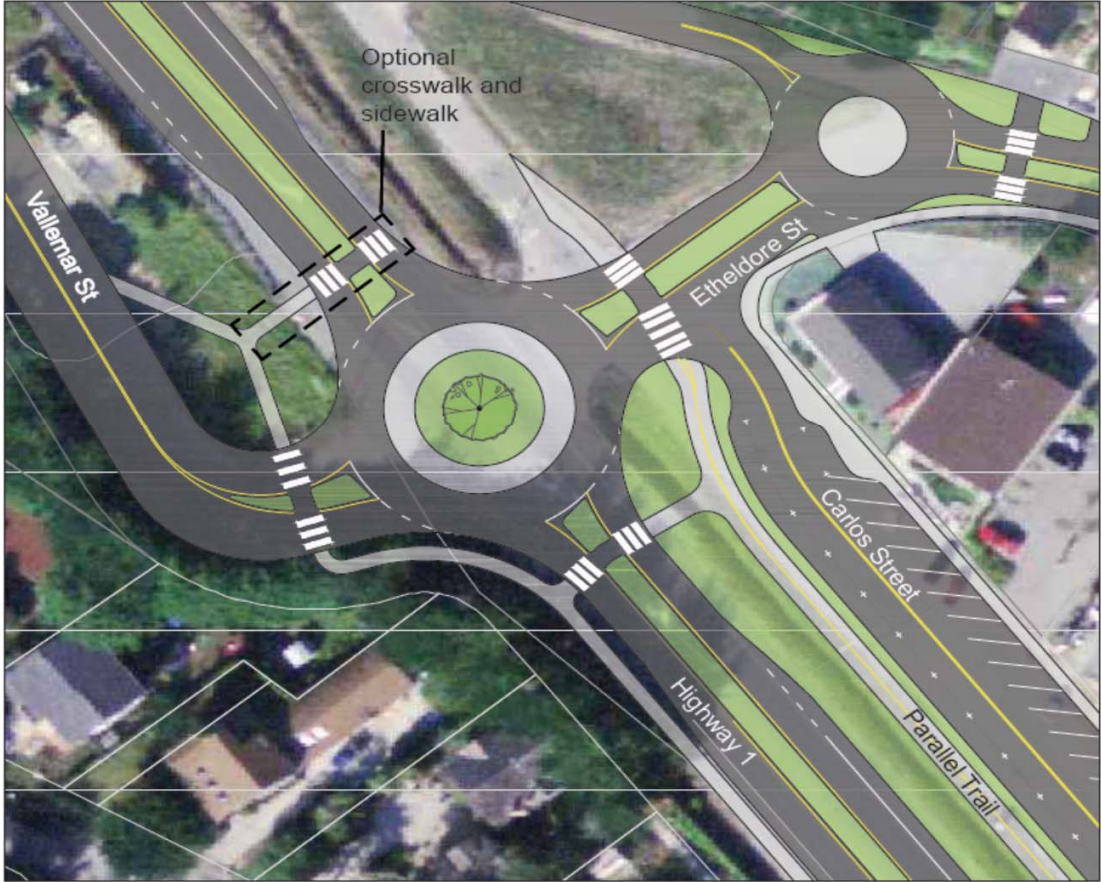




**Project 16: Etheldore Street Roundabout**



**Etheldore/Vallemar Street**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Cypress Avenue Roundabout  
**Project Location:** SR-1 and Cypress Avenue, Moss Beach

**Description** Project would install a 130' roundabout at the intersection of SR-1 and Cypress Avenue in Moss Beach. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included. Bike improvements are not included in this cost.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition	13,273	SF	\$3.00	\$ 39,820
3	Excavation	1,428	CY	\$75.00	\$ 107,073
4	Class 2 Aggregate Base	724	CY	\$65.00	\$ 47,040
5	Hot Mix Asphalt (Type A)	484	Ton	\$110.00	\$ 53,197
6	Curb & Gutter	1,606	LF	\$35.00	\$ 56,195
7	Striping	1,038	LF	\$3.00	\$ 3,115
8	Irrigation and Landscaping	9,503	SF	\$10.00	\$ 95,033
9	Pavers	1,649	SF	\$25.00	\$ 41,233
10	Relocate existing lighting fixtures	1	EA	\$2,000.00	\$ 2,000
11	Lighting fixtures	7	EA	\$8,000.00	\$ 56,000
12	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
13	Removal of existing signs	1	LS	\$500.00	\$ 500
14	New signage	1	LS	\$1,500.00	\$ 1,500
15	Misc. drainage improvements	1	LS	\$100,800.00	\$ 100,800
16	Mobilization	1	LS	\$ 63,500.00	\$ 63,500

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 635,000

**Project Number 17**

Planning Engineering (TE)	\$ 64,000	Contract Items	\$ 698,500
Preliminary Engineering (Design/Survey)*	\$ 105,000	Other Costs (CON)	\$ 105,000
Utility Coordination (Design)	\$ 63,501	Contingency*	\$ 105,000
Environmental (Environmental, Real Property)	\$ 63,501	Subtotal (Contract Items)	\$ 908,500
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 64,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 232,002
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 105,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 401,002</b>		
		<b>Grand Total</b>	<b>\$ 1,204,502</b>

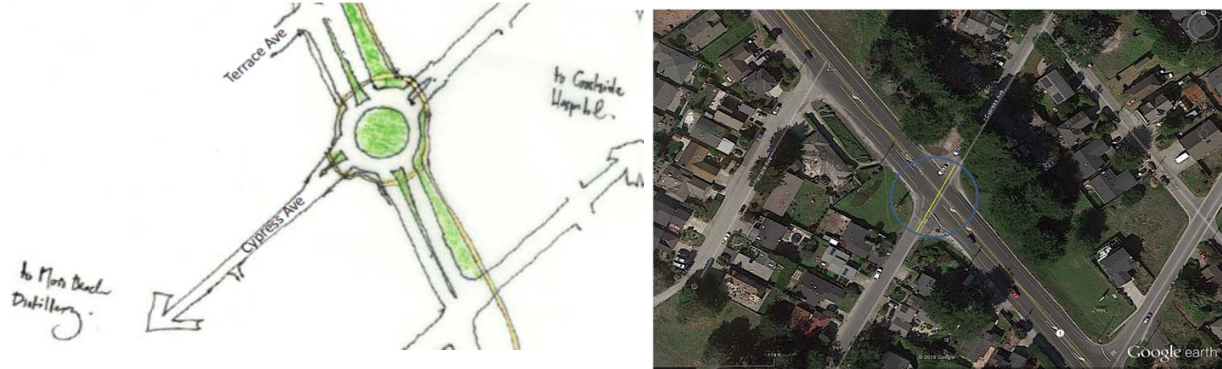
\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)  
 \* Construction Engineering is 15% of contract items. (\$20,000 min.)  
 \* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

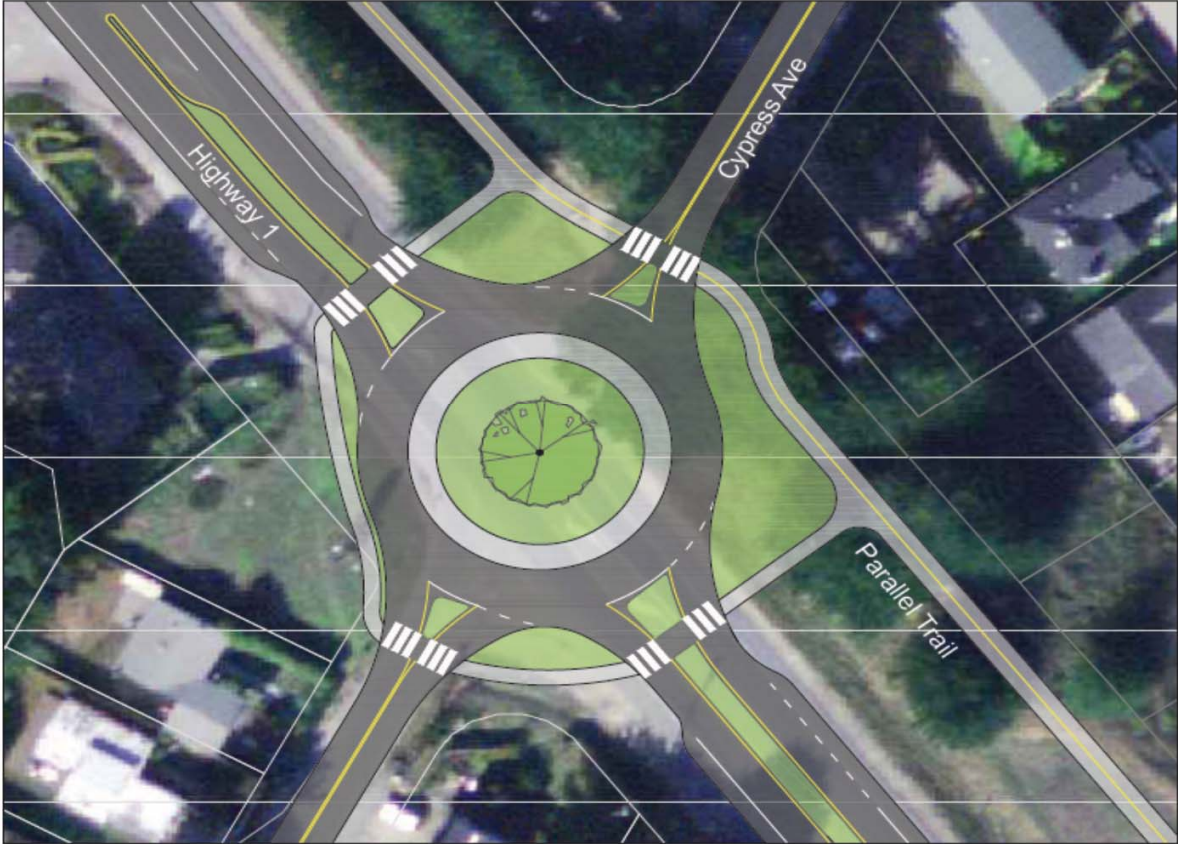
**> TOTAL (in 2015 dollars) \$1,205,000**



**Project 17: Cypress Avenue Roundabout**



**Cypress Avenue**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Capistrano Road Roundabout  
**Project Location:** SR-1 and Capistrano Road, El Granada

**Description** Project would install a 150' roundabout at the intersection of SR-1 and Capistrano Road in El Granada. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	17,671	SF	\$5.00	\$ 88,357
3	Excavation	1,753	CY	\$75.00	\$ 131,508
4	Class 2 Aggregate Base	770	CY	\$65.00	\$ 50,066
5	Hot Mix Asphalt (Type A)	634	Ton	\$110.00	\$ 69,686
6	Curb & Gutter	1,208	LF	\$35.00	\$ 42,294
7	Striping	871	LF	\$3.00	\$ 2,614
8	Irrigation and Landscaping	13,273	SF	\$10.00	\$ 132,732
9	Pavers	1,963	SF	\$25.00	\$ 49,087
10	Relocate existing lighting fixtures	4	EA	\$2,000.00	\$ 8,000
11	Lighting fixtures	4	EA	\$8,000.00	\$ 32,000
12	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
13	Removal of existing signs	1	LS	\$500.00	\$ 500
14	New signage	1	LS	\$1,500.00	\$ 1,500
15	Misc. drainage improvements	1	LS	\$122,000.00	\$ 122,000
16	Mobilization	1	LS	\$ 76,200.00	\$ 76,200

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 762,000

**Project Number 18**

Planning Engineering (TE)	\$ 77,000	Contract Items	\$ 838,200
Preliminary Engineering (Design/Survey)*	\$ 126,000	Other Costs (CON)	\$ 126,000
Utility Coordination (Design)	\$ 76,184	Contingency*	\$ 126,000
Environmental (Environmental, Real Property)	\$ 76,184	Subtotal (Contract Items)	\$ 1,090,200
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 77,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 278,369
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 126,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 481,369</b>		
		<b>Grand Total</b>	<b>\$ 1,445,569</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

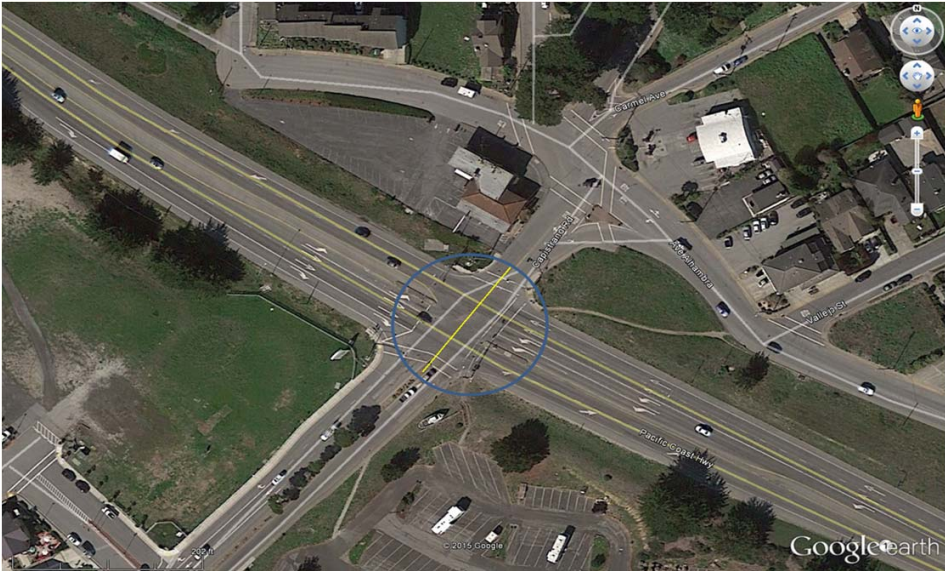
\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$1,446,000**

**Project 18: Capistrano Road Roundabout**





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Coronado Street Roundabout  
**Project Location:** SR-1 and Coronado Street, El Granada

**Description** Project would install a 130' roundabout at the intersection of SR-1 and Coronado Street in El Granada. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included. This project assumes a new fourth leg would be constructed, but does not assume the cost of the new access road/parking area farther than 50' past the roundabout; this cost is built into the SR-1 realignment project.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	13,273	SF	\$5.00	\$ 66,366
3	Excavation	1,428	CY	\$75.00	\$ 107,073
4	Class 2 Aggregate Base	724	CY	\$65.00	\$ 47,040
5	Hot Mix Asphalt (Type A)	484	Ton	\$110.00	\$ 53,197
6	Curb & Gutter	746	LF	\$35.00	\$ 26,095
7	Striping	608	LF	\$3.00	\$ 1,825
8	Irrigation and Landscaping	9,503	SF	\$10.00	\$ 95,033
9	Pavers	1,649	SF	\$25.00	\$ 41,233
10	Relocate existing lighting fixtures	4	EA	\$2,000.00	\$ 8,000
11	Lighting fixtures	4	EA	\$8,000.00	\$ 32,000
12	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
13	Removal of existing signs	1	LS	\$500.00	\$ 500
14	New signage	1	LS	\$1,500.00	\$ 1,500
15	Misc. drainage improvements	1	LS	\$96,300.00	\$ 96,300
16	Mobilization	1	LS	\$ 60,800.00	\$ 60,800

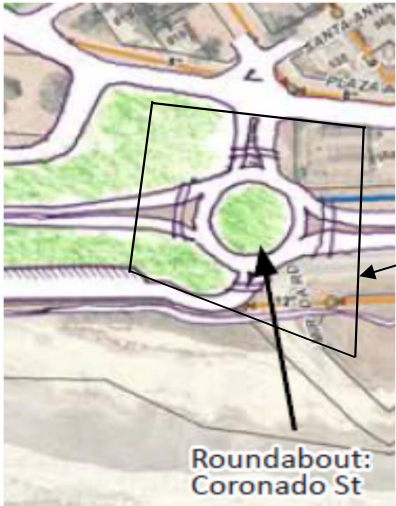
CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 608,000  
**Project Number 19**

Planning Engineering (TE)	\$ 61,000	Contract Items	\$ 668,800
Preliminary Engineering (Design/Survey)*	\$ 101,000	Other Costs (CON)	\$ 101,000
Utility Coordination (Design)	\$ 60,766	Contingency*	\$ 101,000
Environmental (Environmental, Real Property)	\$ 60,766	Subtotal (Contract Items)	\$ 870,800
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 61,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 222,533
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 101,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 384,533</b>		
		<b>Grand Total</b>	<b>\$ 1,154,333</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)  
 \* Construction Engineering is 15% of contract items. (\$20,000 min.)  
 \* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%
<b>&gt; TOTAL (in 2015 dollars)</b>	<b>\$ 1,154,000</b>

**Project 19: Coronado Street Roundabout**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Mirada Road Roundabout  
**Project Location:** SR-1 and Mirada Road

**Description**  
 Project would install a 130' roundabout at the intersection of SR-1 and Mirada Road. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	13,273	SF	\$5.00	\$ 66,366
3	Excavation	1,428	CY	\$75.00	\$ 107,073
4	Class 2 Aggregate Base	724	CY	\$65.00	\$ 47,040
5	Hot Mix Asphalt (Type A)	484	Ton	\$110.00	\$ 53,197
6	Curb & Gutter	1,226	LF	\$35.00	\$ 42,895
7	Striping	848	LF	\$3.00	\$ 2,545
8	Irrigation and Landscaping	9,503	SF	\$10.00	\$ 95,033
9	Pavers	1,649	SF	\$25.00	\$ 41,233
10	Relocate existing lighting fixtures	1	EA	\$2,000.00	\$ 2,000
11	Lighting fixtures	7	EA	\$8,000.00	\$ 56,000
12	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
13	Removal of existing signs	1	LS	\$500.00	\$ 500
14	New signage	1	LS	\$1,500.00	\$ 1,500
15	Misc. drainage improvements	1	LS	\$103,400.00	\$ 103,400
16	Mobilization	1	LS	\$ 65,000.00	\$ 65,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 650,000

**Project Number 20**

Planning Engineering (TE)	\$ 65,000	Contract Items	\$ 715,000
Preliminary Engineering (Design/Survey)*	\$ 108,000	Other Costs (CON)	\$ 108,000
Utility Coordination (Design)	\$ 65,028	Contingency*	\$ 108,000
Environmental (Environmental, Real Property)	\$ 65,028	Subtotal (Contract Items)	\$ 931,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 65,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 238,057
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 108,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 411,057</b>		
		<b>Grand Total</b>	<b>\$ 1,234,057</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

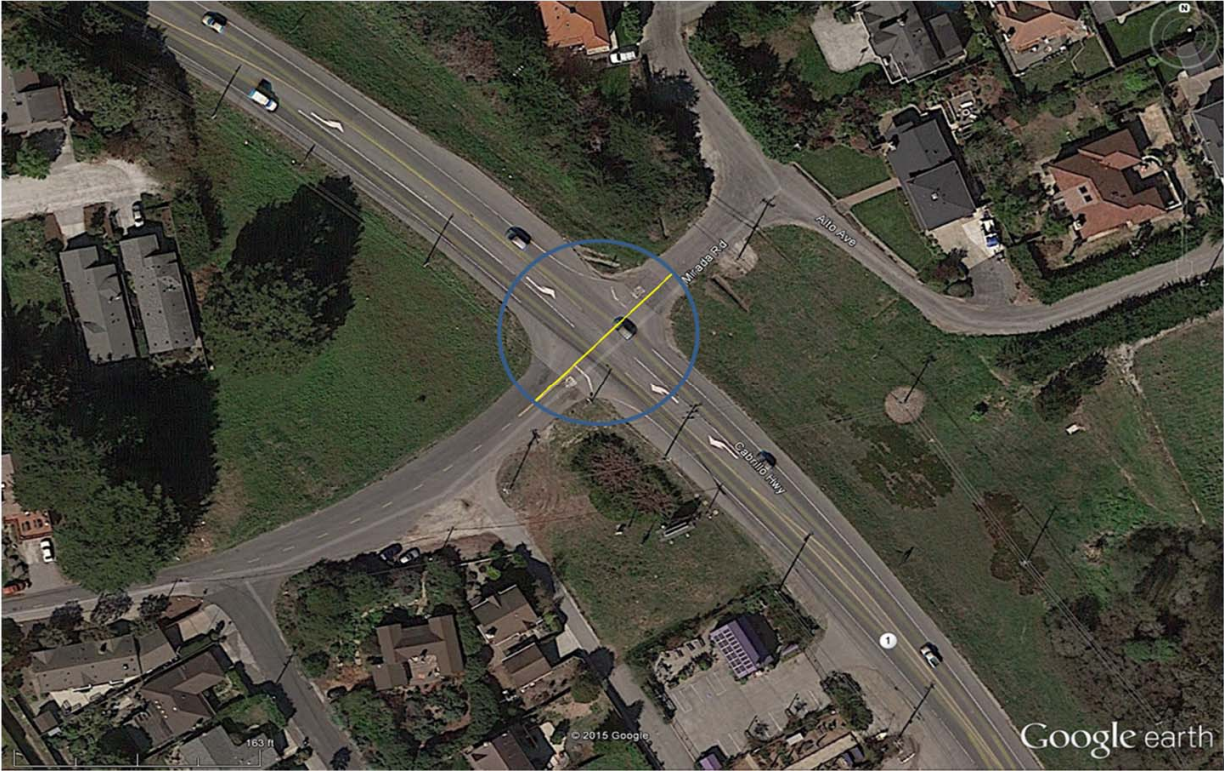
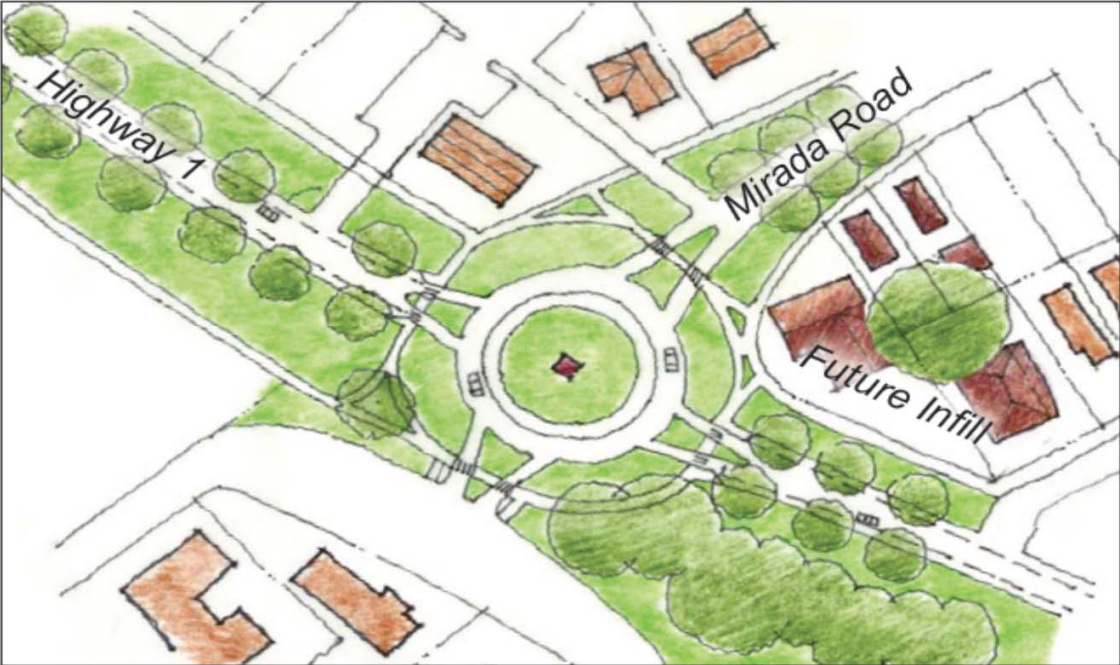
\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$1,234,000**



Project 20: Mirada Road Roundabout



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Kehoe Avenue Roundabout  
**Project Location:** SR-1 and Kehoe Avenue, Half Moon Bay

**Description**

Project would install a 130' roundabout at the intersection of SR-1 and Kehoe. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	13,273	SF	\$5.00	\$ 66,366
3	Excavation	1,428	CY	\$75.00	\$ 107,073
4	Class 2 Aggregate Base	724	CY	\$65.00	\$ 47,040
5	Hot Mix Asphalt (Type A)	484	Ton	\$110.00	\$ 53,197
6	Curb & Gutter	1,146	LF	\$35.00	\$ 40,095
7	Striping	848	LF	\$3.00	\$ 2,545
8	Irrigation and Landscaping	9,503	SF	\$10.00	\$ 95,033
9	Pavers	1,649	SF	\$25.00	\$ 41,233
10	Lighting fixtures	8	EA	\$8,000.00	\$ 64,000
11	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
12	Removal of existing signs	1	LS	\$500.00	\$ 500
13	New signage	1	LS	\$1,500.00	\$ 1,500
14	Misc. drainage improvements	1	LS	\$104,000.00	\$ 104,000
15	Mobilization	1	LS	\$ 65,400.00	\$ 65,400

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 654,000

**Project Number 21**

Planning Engineering (TE)	\$ 66,000	Contract Items	\$ 719,400
Preliminary Engineering (Design/Survey)*	\$ 108,000	Other Costs (CON)	\$ 108,000
Utility Coordination (Design)	\$ 65,408	Contingency*	\$ 108,000
Environmental (Environmental, Real Property)	\$ 65,408	Subtotal (Contract Items)	\$ 935,400
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 66,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 238,817
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 108,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 412,817</b>		
		<b>Grand Total</b>	<b>\$ 1,240,217</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

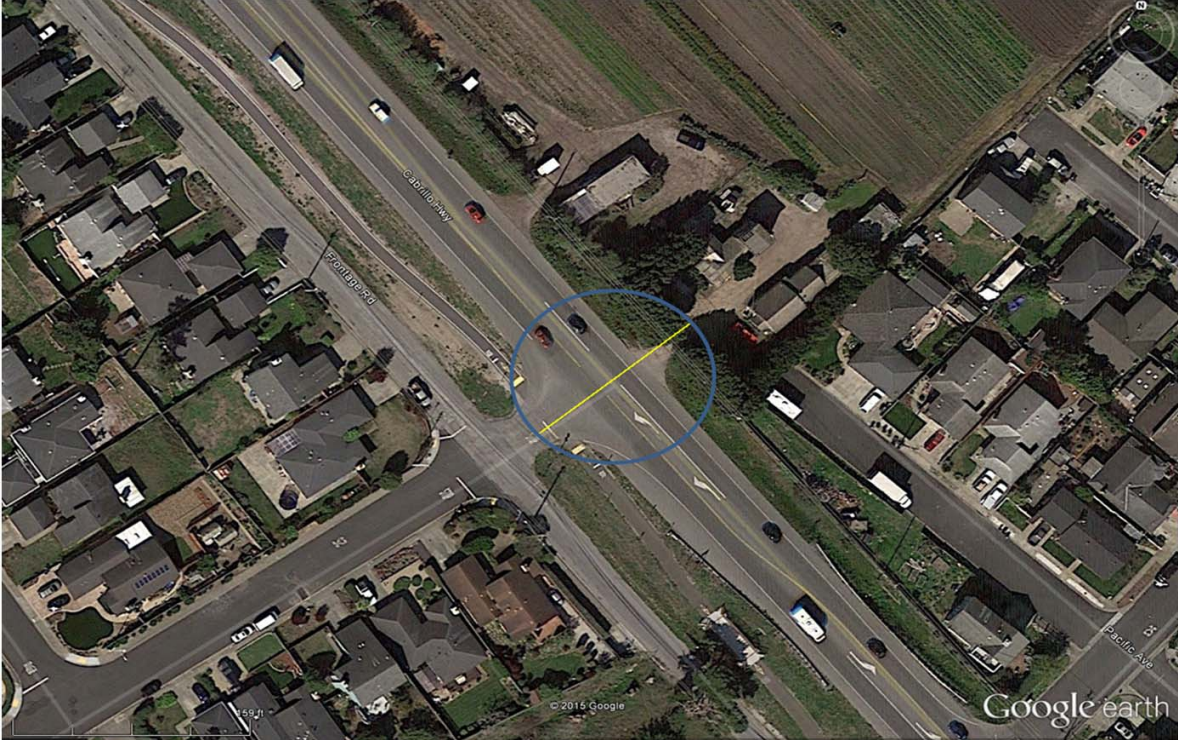
\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$1,240,000**



Project 21: Kehoe Avenue Roundabout



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Main Street (N) Roundabout  
**Project Location:** SR-1 and Main Street (N), Half Moon Bay

**Description**  
 Project would install a 150' roundabout at the intersection of SR-1 and Kehoe. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	17,671	SF	\$5.00	\$ 88,357
3	Excavation	2,198	CY	\$75.00	\$ 164,841
4	Class 2 Aggregate Base	1215	CY	\$65.00	\$ 78,954
5	Hot Mix Asphalt (Type A)	812	Ton	\$110.00	\$ 89,288
6	Curb & Gutter	1,208	LF	\$35.00	\$ 42,294
7	Striping	911	LF	\$3.00	\$ 2,734
8	Irrigation and Landscaping	13,273	SF	\$10.00	\$ 132,732
9	Pavers	1,963	SF	\$25.00	\$ 49,087
10	Relocate existing lighting fixtures	4	EA	\$2,000.00	\$ 8,000
11	Lighting fixtures	4	EA	\$8,000.00	\$ 32,000
12	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
13	Removal of existing signs	1	LS	\$500.00	\$ 500
14	New signage	1	LS	\$1,500.00	\$ 1,500
15	Misc. drainage improvements	1	LS	\$138,400.00	\$ 138,400
16	Mobilization	1	LS	\$ 86,000.00	\$ 86,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 860,000

**Project Number 22**

Planning Engineering (TE)	\$ 86,000	Contract Items	\$ 946,000
Preliminary Engineering (Design/Survey)*	\$ 142,000	Other Costs (CON)	\$ 142,000
Utility Coordination (Design)	\$ 86,019	Contingency*	\$ 142,000
Environmental (Environmental, Real Property)	\$ 86,019	Subtotal (Contract Items)	\$ 1,230,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 86,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 314,038
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 142,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 542,038</b>		
		<b>Grand Total</b>	<b>\$ 1,630,038</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$1,630,000**

**Project 22: Main Street (N) Roundabout**





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1/SR-92 Roundabout  
**Project Location:** SR-1 and SR-92, Half Moon Bay

**Description**  
 Project would install a 150' roundabout at the intersection of SR-1 and SR-92. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	17,671	SF	\$5.00	\$ 88,357
3	Excavation	2,198	CY	\$75.00	\$ 164,841
4	Class 2 Aggregate Base	1215	CY	\$65.00	\$ 78,954
5	Hot Mix Asphalt (Type A)	812	Ton	\$110.00	\$ 89,288
6	Curb & Gutter	1,208	LF	\$35.00	\$ 42,294
7	Striping	911	LF	\$3.00	\$ 2,734
8	Irrigation and Landscaping	13,273	SF	\$10.00	\$ 132,732
9	Pavers	1,963	SF	\$25.00	\$ 49,087
10	Relocate existing lighting fixtures	4	EA	\$2,000.00	\$ 8,000
11	Lighting fixtures	4	EA	\$8,000.00	\$ 32,000
12	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
13	Removal of existing signs	1	LS	\$500.00	\$ 500
14	New signage	1	LS	\$1,500.00	\$ 1,500
15	Misc. drainage improvements	1	LS	\$138,400.00	\$ 138,400
16	Mobilization	1	LS	\$ 86,000.00	\$ 86,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 860,000

**Project Number 23**

Planning Engineering (TE)	\$ 86,000	Contract Items	\$ 946,000
Preliminary Engineering (Design/Survey)*	\$ 142,000	Other Costs (CON)	\$ 142,000
Utility Coordination (Design)	\$ 86,019	Contingency*	\$ 142,000
Environmental (Environmental, Real Property)	\$ 86,019	Subtotal (Contract Items)	\$ 1,230,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 86,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 314,038
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 142,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 542,038</b>	<b>Grand Total</b>	<b>\$ 1,630,038</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

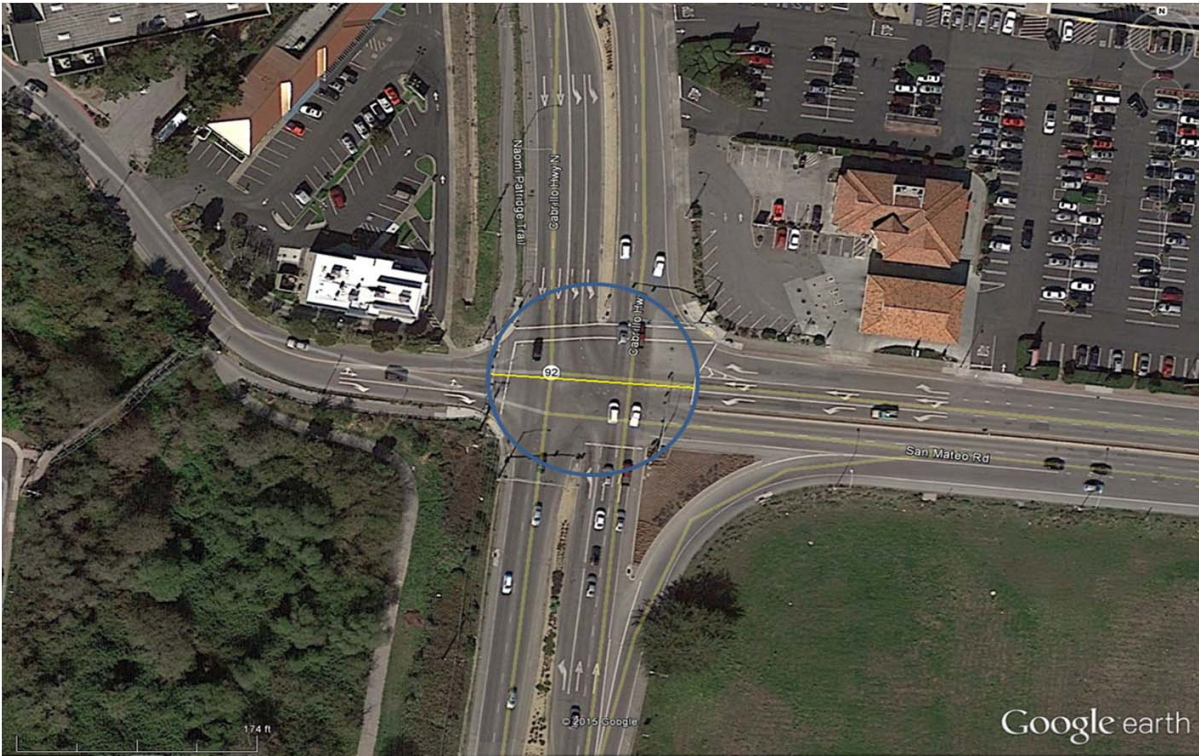
\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$1,630,000**



Project 23: SR-1/SR-92 Roundabout



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-92/Main Street Roundabout  
**Project Location:** SR-92 and Main Street, Half Moon Bay

**Description**  
 Project would install a 150' roundabout at the intersection of SR-92 and Main Street. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	17,671	SF	\$5.00	\$ 88,357
3	Excavation	2,198	CY	\$75.00	\$ 164,841
4	Class 2 Aggregate Base	1215	CY	\$65.00	\$ 78,954
5	Hot Mix Asphalt (Type A)	812	Ton	\$110.00	\$ 89,288
6	Curb & Gutter	1,208	LF	\$35.00	\$ 42,294
7	Striping	911	LF	\$3.00	\$ 2,734
8	Irrigation and Landscaping	13,273	SF	\$10.00	\$ 132,732
9	Pavers	1,963	SF	\$25.00	\$ 49,087
10	Relocate existing lighting fixtures	4	EA	\$2,000.00	\$ 8,000
11	Lighting fixtures	4	EA	\$8,000.00	\$ 32,000
12	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
13	Removal of existing signs	1	LS	\$500.00	\$ 500
14	New signage	1	LS	\$1,500.00	\$ 1,500
15	Misc. drainage improvements	1	LS	\$138,400.00	\$ 138,400
16	Mobilization	1	LS	\$ 86,000.00	\$ 86,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 860,000

**Project Number 24**

Planning Engineering (TE)	\$ 86,000	Contract Items	\$ 946,000
Preliminary Engineering (Design/Survey)*	\$ 142,000	Other Costs (CON)	\$ 142,000
Utility Coordination (Design)	\$ 86,019	Contingency*	\$ 142,000
Environmental (Environmental, Real Property)	\$ 86,019	Subtotal (Contract Items)	\$ 1,230,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 86,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 314,038
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 142,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 542,038</b>		
		<b>Grand Total</b>	<b>\$ 1,630,038</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$1,630,000**

Project 24: SR-92/Main Street Roundabout



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Higgins Canyon Road Roundabout  
**Project Location:** SR-1 and Higgins Canyon Road/Main Street, Half Moon Bay

**Description** Project would install a 130' roundabout at the intersection of SR-1 and Higgins Canyon Road/Main Street. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	13,273	SF	\$5.00	\$ 66,366
3	Excavation	1,605	CY	\$75.00	\$ 120,407
4	Class 2 Aggregate Base	901	CY	\$65.00	\$ 58,596
5	Hot Mix Asphalt (Type A)	602	Ton	\$110.00	\$ 66,265
6	Curb & Gutter	946	LF	\$35.00	\$ 33,095
7	Striping	748	LF	\$3.00	\$ 2,245
8	Irrigation and Landscaping	9,503	SF	\$10.00	\$ 95,033
9	Pavers	1,649	SF	\$25.00	\$ 41,233
10	Lighting fixtures	8	EA	\$8,000.00	\$ 64,000
11	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
12	Removal of existing signs	1	LS	\$500.00	\$ 500
13	New signage	1	LS	\$1,500.00	\$ 1,500
14	Misc. drainage improvements	1	LS	\$110,100.00	\$ 110,100
15	Mobilization	1	LS	\$ 69,100.00	\$ 69,100

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 691,000

**Project Number 25**

Planning Engineering (TE)	\$ 70,000	Contract Items	\$ 760,100
Preliminary Engineering (Design/Survey)*	\$ 115,000	Other Costs (CON)	\$ 115,000
Utility Coordination (Design)	\$ 69,084	Contingency*	\$ 115,000
Environmental (Environmental, Real Property)	\$ 69,084	Subtotal (Contract Items)	\$ 990,100
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 70,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 253,168
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 115,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 438,168		
		<b>Grand Total</b>	<b>\$ 1,313,268</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

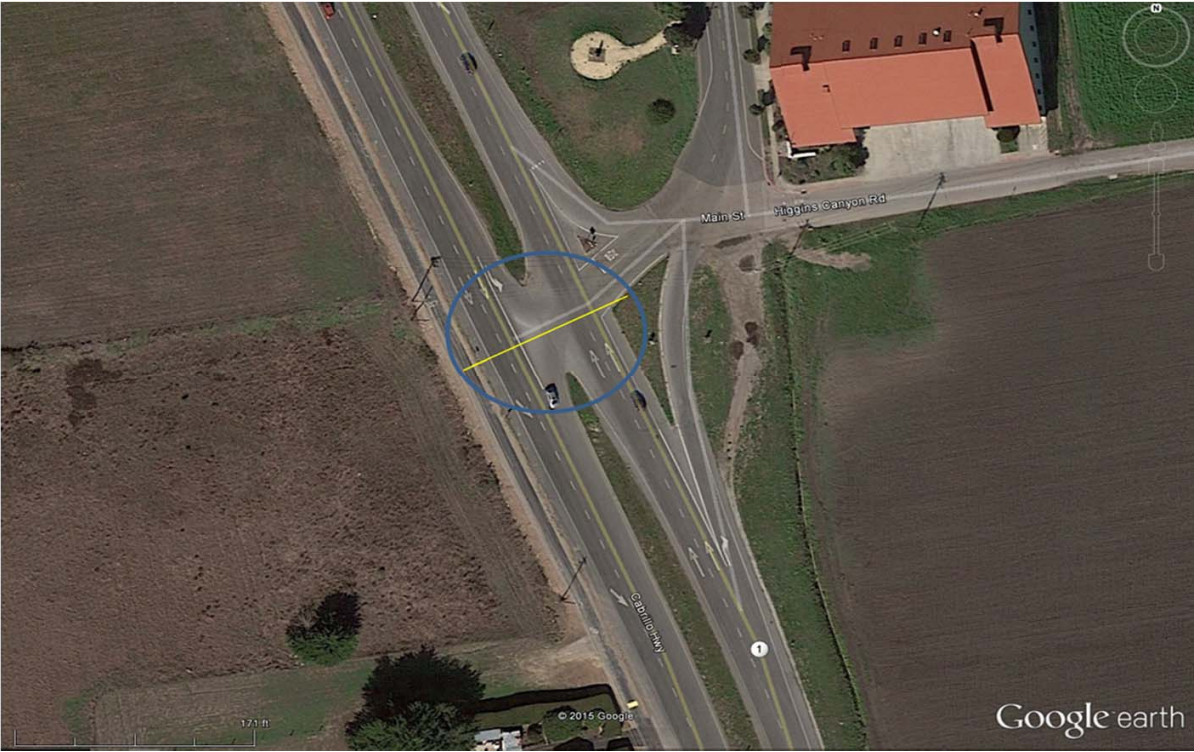
\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$1,313,000**



**Project 25: Higgins Canyon Road Roundabout**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-92/SR-35 Roundabout  
**Project Location:** SR-92 and SR-35

**Description**  
 Project would install a 130' roundabout at the intersection of SR-92 and SR-35. The costs of the medians on the roundabout approaches are assumed to be included. The roadway costs for the each approach (within 50' of the roundabout) is assumed to be included.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Demolition (including existing traffic signal)	13,273	SF	\$5.00	\$ 66,366
3	Excavation	1,383	CY	\$75.00	\$ 103,740
4	Class 2 Aggregate Base	679	CY	\$65.00	\$ 44,151
5	Hot Mix Asphalt (Type A)	454	Ton	\$110.00	\$ 49,930
6	Curb & Gutter	946	LF	\$35.00	\$ 33,095
7	Striping	748	LF	\$3.00	\$ 2,245
8	Irrigation and Landscaping	9,503	SF	\$10.00	\$ 95,033
9	Pavers	1,649	SF	\$25.00	\$ 41,233
10	Relocate existing lighting fixtures	2	EA	\$2,000.00	\$ 4,000
11	Lighting fixtures	6	EA	\$8,000.00	\$ 48,000
12	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
13	Removal of existing signs	1	LS	\$500.00	\$ 500
14	New signage	1	LS	\$1,500.00	\$ 1,500
15	Misc. drainage improvements	1	LS	\$98,300.00	\$ 98,300
16	Mobilization	1	LS	\$ 62,000.00	\$ 62,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 620,000

**Project Number 26**

Planning Engineering (TE)	\$ 62,000	Contract Items	\$ 682,000
Preliminary Engineering (Design/Survey)*	\$ 103,000	Other Costs (CON)	\$ 103,000
Utility Coordination (Design)	\$ 61,959	Contingency*	\$ 103,000
Environmental (Environmental, Real Property)	\$ 61,959	Subtotal (Contract Items)	\$ 888,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 62,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 226,919
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 103,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 391,919</b>	<b>Grand Total</b>	<b>\$ 1,176,919</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 1,177,000**



Project 26: SR-92/SR-35 Roundabout



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Main Street Traffic Calming  
**Project Location:** Main Street in Montara

**Description** Project would construct curb extensions and crosswalks at the intersections of Main and 7th, Main and 8th, and Main and 9th. The project would also install a mini traffic calming circle at Main and 9th. Additionally, sidewalks (where they do not currently exist) and ADA curb ramps would be constructed on both sides of Main Street from 7th Street to 9th Street, and on the east side of the roadway from 9th Street to 10th Street.

**Project Length (ft):** 800

**Date of Estimate:** Feb. 6, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Construct new concrete sidewalk	4,344	SF	\$7.50	\$ 32,580
3	Curb & Gutter for new sidewalk	771	LF	\$35.00	\$ 26,989
4	ADA curb ramp	13	EA	\$3,000.00	\$ 39,000
5	Concrete for curb extensions	4,400	SF	\$7.50	\$ 33,000
6	Curb & Gutter for curb extensions	660	LF	\$35.00	\$ 23,100
7	Striping-crosswalks and traffic circle	527	LF	\$3.00	\$ 1,581
8	Irrigation and Landscaping	177	SF	\$10.00	\$ 1,767
9	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
10	New signage for traffic calming circle	1	LS	\$1,000.00	\$ 1,000
11	Misc. drainage improvements	1	LS	\$32,100.00	\$ 32,100
12	Mobilization	1	LS	\$ 22,300.00	\$ 22,300

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 223,000

**Project Number 27**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 245,300
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 50,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 37,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 332,300
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 160,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 50,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 240,000</b>	<b>Grand Total</b>	<b>\$ 522,300</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

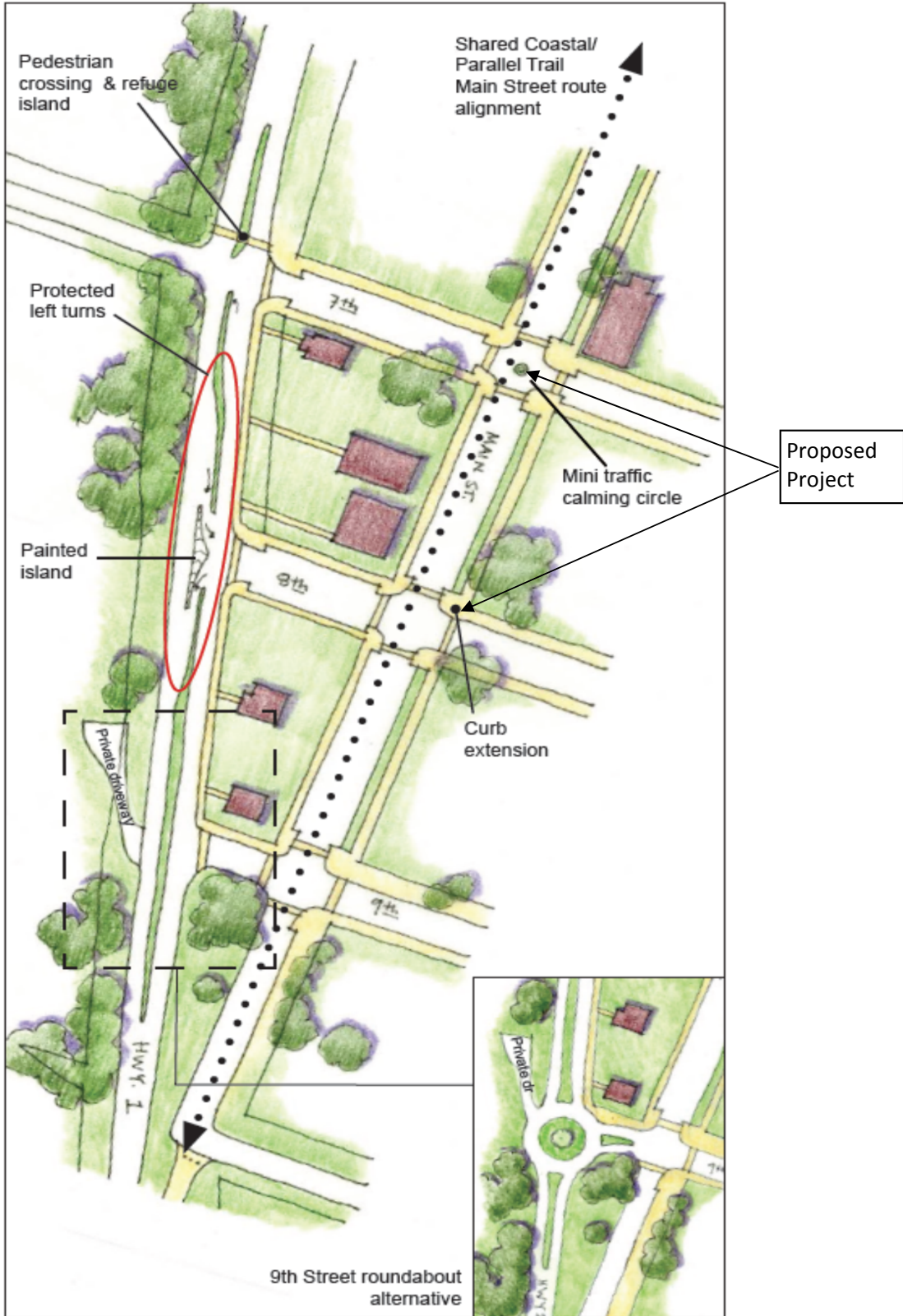
\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 522,000**

**Project 27: Main Street Traffic Calming**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Carlos Street Traffic Calming

**Project Location:** Carlos Street from Etheldore Street to California Avenue in Moss Beach

**Description**

The project would stripe formal diagonal parking and parallel parking along Carlos Street, which functions as the community's main street. In addition, a continuous sidewalk would be constructed along the north side of the roadway, and crosswalks striped at the interesection of Carlos and California. Curb and gutter would be constructed along the south side of the roadway. One or both utility poles on the north side of the roadway may need to be relocated; this cost is not assumed in this estimate.

**Project Length (ft):** 490

**Date of Estimate:** Feb. 6, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Surveying	1	LS	\$30,000.00	\$ 30,000
2	Construct new concrete sidewalk	840	SF	\$7.50	\$ 6,300
3	Curb & Gutter for new sidewalk	630	LF	\$35.00	\$ 22,050
4	ADA curb ramp	2	EA	\$3,000.00	\$ 6,000
5	Striping	634	LF	\$3.00	\$ 1,902
6	Construction area Signs	1	LS	\$1,500.00	\$ 1,500
7	Misc. drainage improvements	1	LS	\$7,600.00	\$ 7,600
8	Mobilization	1	LS	\$ 7,500.00	\$ 7,500

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 75,000

**Project Number 28**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 82,500
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 20,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 13,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 115,500
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 160,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 20,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 210,000		

**Grand Total \$ 305,500**

Current Year 2015

Escalation Year 2015

Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 306,000**

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)



**Project 28: Carlos Street Traffic Calming**



Stripe diagonal and parallel parking



New curb

New sidewalk and curb

New crosswalk and curb ramps



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Highway 1 Realignment (Center Alignment)  
**Project Location:** SR-1 from Coronado Street to Capistrano Road

**Description**

This project would realign Highway 1, shifting the roadway toward the eastern edge of the Caltrans right-of-way, and away from the coastal erosion area. The roundabout pair at Coronado Street and Capistrano Road was costed separately, hence this cost estimate is only for the SR-1 realignment between, but not including, the roundabouts. The striping of diagonal parking along the current SR-1 alignment was also costed separately. This alignment is compatible with other planned improvements which are not captured in this cost estimate, including pedestrian/trail connections and a historically-oriented landscaped promenade.

**Project Length (ft):** 4300

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
<b>Construct New SR-1 Alignment (between Coronado St Roundabout and Capistrano Rd Roundabout)</b>					
1	Earthwork	154800	SF	\$2.00	\$ 309,600
2	Class 2 Aggregate Base	11467	CY	\$65.00	\$ 745,333
3	Hot Mix Asphalt (Type A)	7663	Ton	\$110.00	\$ 842,886
4	Striping	12900	LF	\$3.00	\$ 38,700
5	Clearing and grubbing	154800	SF	\$0.50	\$ 77,400
6	Stripe two high visibility pedestrian crossings	396	SF	\$7.00	\$ 2,772
7	Misc. drainage modifications	1	LS	\$403,300.00	\$ 403,300
<b>Construct New Access Road (from Capistrano Rd to match exst. pavement at Sam's Chowder House Dwy)</b>					
8	Earthwork	41520	SF	\$2.00	\$ 83,040
9	Class 2 Aggregate Base	3076	CY	\$65.00	\$ 199,911
10	Hot Mix Asphalt (Type A)	2055	Ton	\$110.00	\$ 226,076
11	Striping	5190	LF	\$3.00	\$ 15,570
12	Clearing and grubbing	41520	SF	\$0.50	\$ 20,760
13	Misc. drainage modifications	1	LS	\$109,100.00	\$ 109,100
14	Temporary traffic control	1	LS	\$66,800.00	\$ 66,800
15	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
16	Surveying	1	LS	\$60,000.00	\$ 60,000
17	Mobilization	1	LS	\$ 320,700.00	\$ 320,700

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 3,207,000

**Project Number 29**

Planning Engineering (TE)	\$ 321,000	Contract Items	\$ 3,527,700
Preliminary Engineering (Design/Survey)*	\$ 530,000	Other Costs (CON)	\$ 530,000
Utility Coordination (Design)	\$ 267,115	Contingency*	\$ 530,000
Environmental (Environmental, Real Property)	\$ 267,115	Subtotal (Contract Items)	\$ 4,587,700
R/W Engineering (Survey)	\$ 81,000	Subtotal (Plan)	\$ 321,000
Real Property Labor	\$ 81,000	Subtotal (PE)	\$ 1,064,230
R/W Acquisition	\$ 8,338,885	Subtotal (R/W)	\$ 8,500,885
Construction Engineering *	\$ 530,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 10,416,115</b>		
		<b>Grand Total</b>	<b>\$ 14,473,815</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 14,474,000**

### Project 29: Highway 1 Realignment (Center Alignment)



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-92 Left Turn Lanes  
**Project Location:** Half Moon Bay

**Description** This project will provide left turn pockets in select locations to enhance business access and promote safe, efficient highway traffic flow.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 9, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	11	SF/LF	\$0.50	\$ 5.50
2	Earthwork	11	SF/LF	\$2.00	\$ 22.00
3	Class 2 Aggregate Base	0.81	CY/LF	\$65.00	\$ 53
4	Hot Mix Asphalt (Type A)	0.54	Ton/LF	\$110.00	\$ 60
5	Curb & Gutter	0	LF/LF	\$35.00	\$ -
6	Striping	2	LF/LF	\$3.00	\$ 6
7	Misc. Drainage Modifications	1	LF/LF	\$29.27	\$ 29.27
				Cost Per Linear Foot:	\$ 148.13
8	Left Turn Pocket #1 Berta's Fruit Farm	250	LF	\$ 148.13	\$ 37,032
9	Left Turn Pocket #2 Lemos Farm	250	LF	\$ 148.13	\$ 37,032
10	Left Turn Pocket #3	250	LF	\$ 148.13	\$ 37,032
11	Left Turn Pocket #4	0	LF	\$ 148.13	\$ -
12	Temporary traffic control	1	LF/LF	\$5,554.86	\$ 5,554.86
13	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000.00
14	Surveying	1	LS	\$30,000.00	\$ 30,000.00
15	Mobilization	1	LS	\$ 15,300.00	\$ 15,300

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 153,000

**Project Number 31**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 168,300
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 34,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 26,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 228,300
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 160,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 34,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 224,000		
		Grand Total	\$ 418,300

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 418,000**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-92 Passing/Climbing Lanes  
**Project Location:** Between Half Moon Bay and San Mateo

**Description** This project will provide passing/climbing lanes along select segments of SR-92 to alleviate truck-induced bottlenecks. This will improve the operations and safety of the highway.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 9, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	18	SF/LF	\$0.50	\$ 9.00
2	Earthwork	18	SF/LF	\$4.00	\$ 72.00
3	Class 2 Aggregate Base	1.33	CY/LF	\$65.00	\$ 87
4	Hot Mix Asphalt (Type A)	0.89	Ton/LF	\$110.00	\$ 98
5	Curb & Gutter	0	LF/LF	\$35.00	\$ -
6	Striping	2	LF/LF	\$3.00	\$ 6
7	Misc. Drainage Modifications	1	LF/LF	\$54.34	\$ 54.34
				Cost Per Linear Foot:	\$ 245.01
8	Passing Lane #1	3000	LF	\$ 245.01	\$ 735,036
9	Passing Lane #2	0	LF	\$ 245.01	\$ -
10	Passing Lane #3	0	LF	\$ 245.01	\$ -
11	Passing Lane #4	0	LF	\$ 245.01	\$ -
12	Temporary traffic control	1	LF/LF	\$36,751.80	\$ 36,751.80
13	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000.00
14	Surveying	1	LS	\$30,000.00	\$ 30,000.00
15	Mobilization	1	LS	\$ 80,800.00	\$ 80,800

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 808,000

**Project Number 32**

Planning Engineering (TE)	\$ 81,000	Contract Items	\$ 888,800
Preliminary Engineering (Design/Survey)*	\$ 134,000	Other Costs (CON)	\$ 134,000
Utility Coordination (Design)	\$ 73,504	Contingency*	\$ 134,000
Environmental (Environmental, Real Property)	\$ 73,504	Subtotal (Contract Items)	\$ 1,156,800
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 81,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 281,007
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 134,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 496,007		
		<b>Grand Total</b>	<b>\$ 1,518,807</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

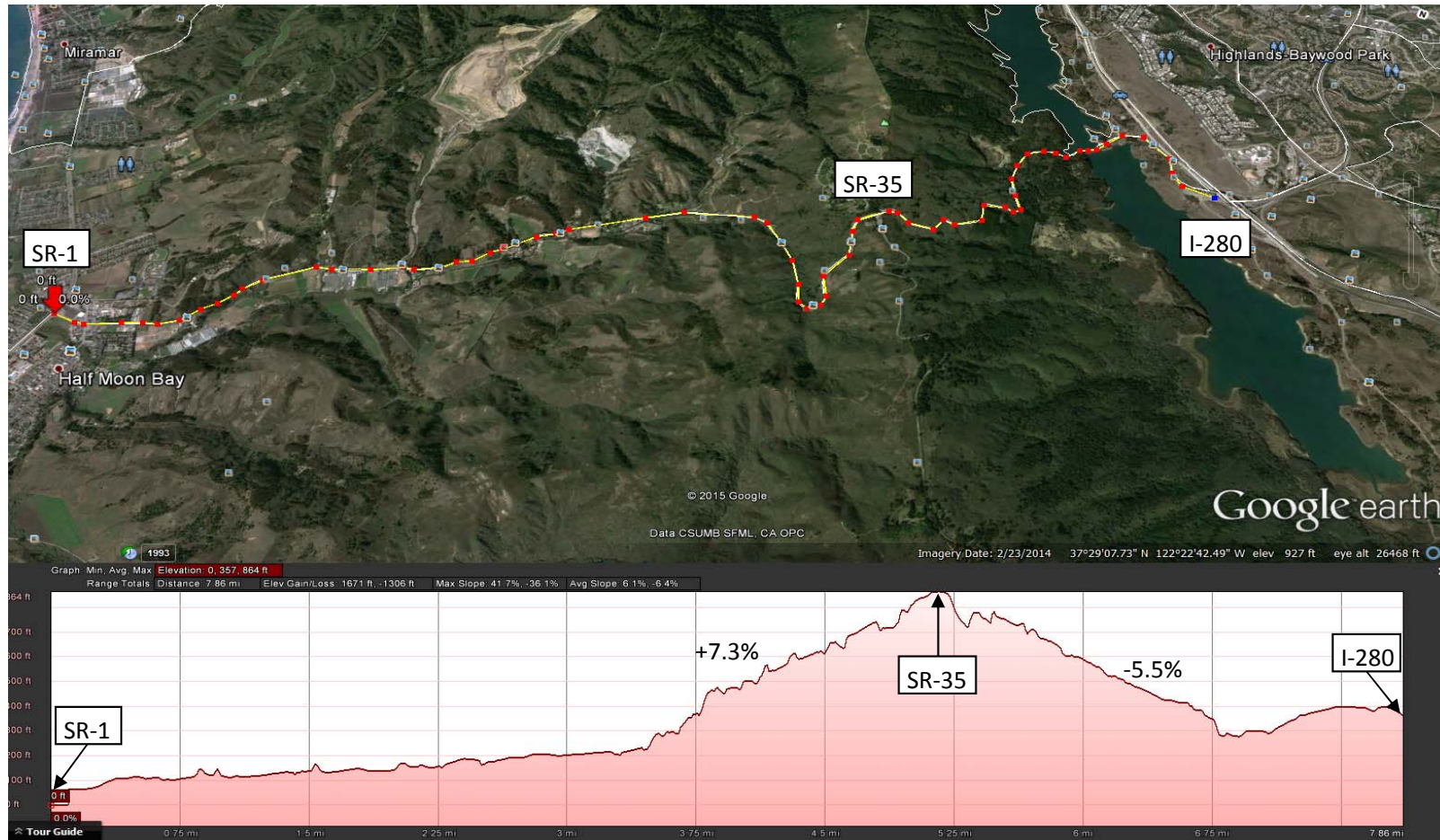
\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%
<b>➤ TOTAL (in 2015 dollars)</b>	<b>\$ 1,519,000</b>



### Project 32: SR-92 Passing/Climbing Lanes





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Widening to 4 Lanes  
**Project Location:** SR-1 from 9th St (Montara) to Carlos St (Moss Beach) and Cypress Ave (Moss Beach) to Coral Reef Ave (El Granada)

**Description** This project would widen SR-1 from 9th Street in Montara to Carlos Street in Moss Beach, and from Cypress Avenue in Moss Beach to Coral Reef Avenue in El Granada. SR-1 would be widened to provide four 12' travel lanes and 8' shoulders.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 9, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
<b>Widen SR-1 from 9th Street (Montara) to Carlos Street (Moss Beach)</b>					
Project Length (ft): 2075					
1	Earthwork	53950	SF	\$8.00	\$ 431,600
2	Class 2 Aggregate Base	3996	CY	\$65.00	\$ 259,759
3	Hot Mix Asphalt (Type A)	2671	Ton	\$110.00	\$ 293,758
4	Striping	8300	LF	\$3.00	\$ 24,900
5	Clearing and grubbing	53950	SF	\$0.50	\$ 26,975
6	Relocate signs	1	LS	\$2,000.00	\$ 2,000
7	Relocate existing lighting fixtures	3	EA	\$2,000.00	\$ 6,000
8	Construct 270' retaining wall south of 9th Street on core-drilled piles at 6-foot centers	1	LS	\$250,000.00	\$ 250,000
9	Backfill of controlled earth	1	LS	\$50,000.00	\$ 50,000
10	Construct 800' retaining wall from bridge to 14th St	800	LF	\$200.00	\$ 160,000
11	Misc. drainage modifications	1	LS	\$301,000.00	\$ 301,000
<b>Widen SR-1 from Cypress Avenue (Moss Beach) to Coral Reef Avenue (El Granada)</b>					
Project Length (ft): 9360					
12	Earthwork	243360	SF	\$4.00	\$ 973,440
13	Class 2 Aggregate Base	18027	CY	\$65.00	\$ 1,171,733
14	Hot Mix Asphalt (Type A)	12046	Ton	\$110.00	\$ 1,325,095
15	Striping	37440	LF	\$3.00	\$ 112,320
16	Clearing and grubbing	243360	SF	\$0.50	\$ 121,680
17	Relocate signs	1	LS	\$2,000.00	\$ 2,000
18	Relocate existing lighting fixtures	1	EA	\$2,000.00	\$ 2,000
19	Construct 1390' retaining wall south of Etheldore St	1390	LF	\$200.00	\$ 278,000
20	Misc. drainage modifications	1	LS	\$797,300.00	\$ 797,300
21	Temporary traffic control	1	LS	\$137,300.00	\$ 137,300
22	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
23	Surveying	1	LS	\$60,000.00	\$ 60,000
24	Mobilization	1	LS	\$ 679,300.00	\$ 679,300

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 6,793,000

**Project Number**

**33**

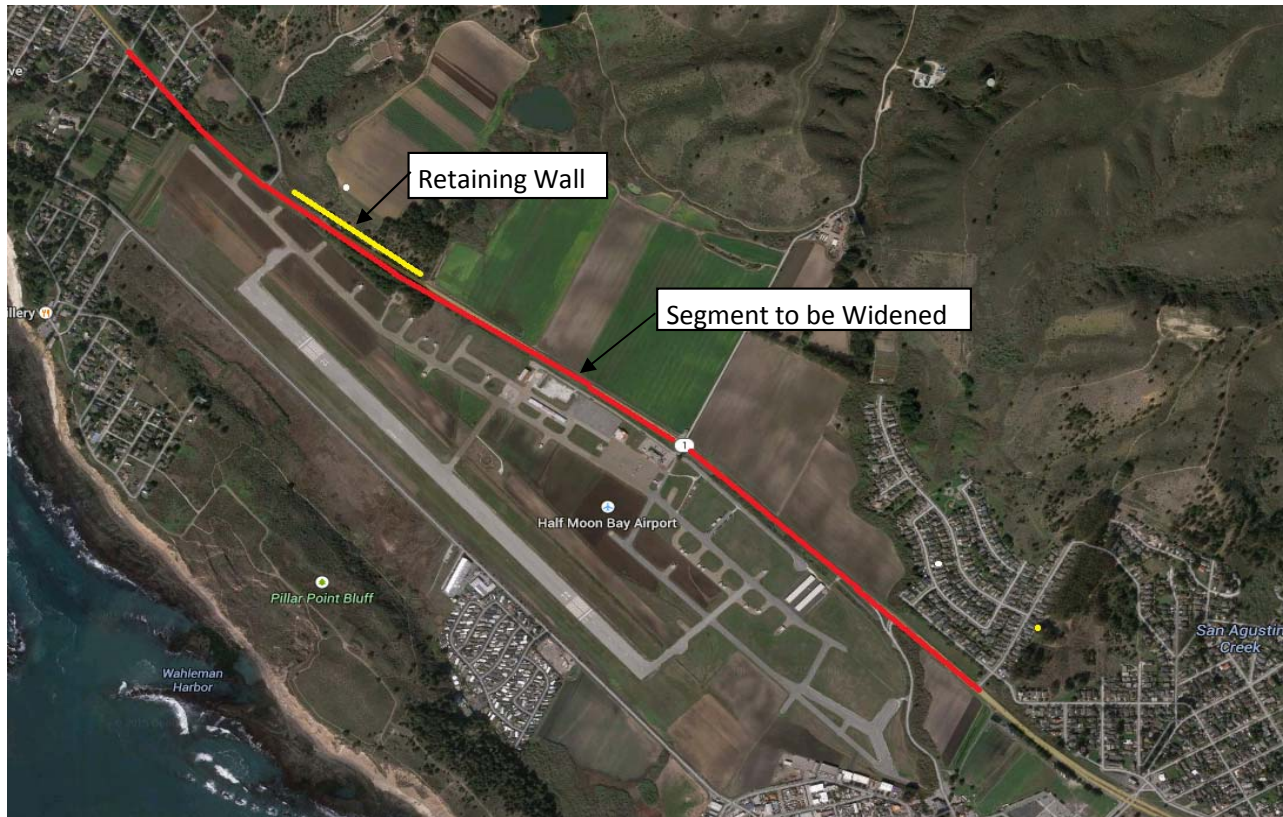
Planning Engineering (TE)	\$ 680,000
Preliminary Engineering (Design/Survey)*	\$ 1,121,000
Utility Coordination (Design)	\$ 549,126
Environmental (Environmental, Real Property)	\$ 549,126
R/W Engineering (Survey)	\$ -
Real Property Labor	\$ -
R/W Acquisition	\$ -
Construction Engineering *	\$ 1,121,000
Environmental Monitoring and Mitigation Fees	\$ -
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 4,020,252</b>

Contract Items	\$ 7,472,300
Other Costs (CON)	\$ 1,121,000
Contingency*	\$ 1,121,000
<b>Subtotal (Contract Items)</b>	<b>\$ 9,714,300</b>
Subtotal (Plan)	\$ 680,000
Subtotal (PE)	\$ 2,219,252
Subtotal (R/W)	\$ -

- \* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)
- \* Construction Engineering is 15% of contract items. (\$20,000 min.)
- \* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Grand Total	\$ 12,613,552
Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%
<b>&gt; TOTAL (in 2015 dollars)</b>	<b>\$12,614,000</b>

**Project 33: SR-1 Widening to 4 Lanes**



Project 33: SR-1 Widening to 4 Lanes



**Summary of Costs for Bicycle and Pedestrian Facility Improvements  
San Mateo County Comprehensive Transportation Management Plan**

<b>Alternative 1 Bicycle and Pedestrian Facility Improvements</b>		
<b>Project #</b>	<b>Project Name</b>	<b>Cost</b>
1	Striped Pedestrian Crossing with Beacons	\$ 2,550,000
2A	SR-1 Sidewalk (Phase A)	\$ 1,475,000
3	Sharrows on Main Street	\$ 44,000
4	Sharrows on Carlos Street	\$ 43,000
	<b>Total:</b>	<b>\$ 4,112,000</b>
<b>Alternative 2 Bicycle and Pedestrian Facility Improvements</b>		
<b>Project #</b>	<b>Project Name</b>	<b>Cost</b>
	Carried over Alternative 1 options	\$ 4,112,000
2B	SR-1 Sidewalk (Phase B)	\$ 1,806,000
5	Coronado Street and Ave Alhambra Sidewalk	\$ 749,000
6	Parallel Trail adjacent to Highway 1 for the entire study area	
7	Coastal Trail throughout the entire study area	
8	Multi-use trail along Airport Street	
9	Traffic Signal Updates	\$ 1,624,000
10	Main Street Class III Bike Route	\$ 85,000
11	Capistrano Road Bicycle Facilities	\$ 866,000
12	Airport Street Class II Bike Lanes	\$ 4,238,000
	<b>Total:</b>	<b>\$ 13,480,000</b>
<b>Alternative 3 Bicycle and Pedestrian Facility Improvements</b>		
<b>Project #</b>	<b>Project Name</b>	<b>Cost</b>
	Carried over Alternative 1 and 2 options	\$ 13,480,000
2C	SR-1 Sidewalk (Phase C)	\$ 1,564,000
13	Gray Whale Cove Pedestrian Overcrossing	\$ 4,486,000
14	Montara Sanitary District Pedestrian Overcrossing	\$ 5,849,000
15	Surfer's Beach Pedestrian Overcrossing	\$ 7,221,000
16	Kehoe Avenue Overcrossing	\$ 6,408,000
17	SR-92 Bike Lanes	\$ 20,959,000
	<b>Total:</b>	<b>\$ 59,967,000</b>



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Striped Pedestrian Crossing with Beacons  
**Project Location:** Various

**Description**

Project would install striped (high visibility) pedestrian crossings with flashing beacons to alert traffic at high demand/bus stop locations. The 17 locations include: Montara State Beach, 2nd Street, 7th Street, Moss Beach Lighthouse (16th Street), Virginia Street, California Street, Cypress Avenue, Half Moon Bay Airport, North Capistrano Road, Surfer's Beach Parking Area north of Coronado Street, Medio Avenue, Mirada Road, Kehoe Avenue, Terrace Avenue/Grand Boulevard, Quarry Road (along SR-92), Pilarcitos Creek Road (along SR-92), and SR-35 (along SR-92). The cost (per location) is shown below.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 18, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Stripe high visibility (zebra) crosswalk	1	EA	\$1,500.00	\$ 1,500
2	Ped-activated flashing beacon installation	2	EA	\$18,400.00	\$ 36,800
3	Install pedestrian crossing warning signs	2	EA	\$250.00	\$ 500
4	Additional signs	2	EA	\$250.00	\$ 500
5	Traffic control	1	LS	\$5,000.00	\$ 5,000
6	Water pollution control	1	LS	\$3,000.00	\$ 3,000
7	Mobilization	1	LS	\$ 4,700.00	\$ 4,700

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 47,000

**Project Number 1**

Planning Engineering (TE)	\$ 12,000	Contract Items	\$ 51,700
Preliminary Engineering (Design/Survey)*	\$ 26,000	Other Costs (CON)	\$ 20,000
Utility Coordination (Design)	\$ 15,000	Contingency*	\$ 10,000
Environmental (Environmental, Real Property)	\$ 15,000	Subtotal (Contract Items)	\$ 81,700
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 12,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 56,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 20,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 88,000		
		<b>Grand Total</b>	<b>\$ 149,700</b>

\* Preliminary Engineering is minimum 25% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 150,000 per location**

## Project 1: Striped Pedestrian Crossing with Beacons

### Crossing Locations:

Montara State Beach

2nd Street

7th Street

Moss Beach Lighthouse (16th Street)

Virginia Street

California Street

Cypress Avenue

Half Moon Bay Airport

North Capistrano Road

Surfer's Beach Parking Area, north of Coronado Street

Medio Avenue

Mirada Road

Kehoe Avenue

Terrace Avenue/Grand Boulevard

Quarry Road (along SR-92)

Pilarcitos Creek Road (along SR-92)

SR-35 (along SR-92)



1970 Broadway Ste 740, Oakland CA 94612

**Project Number 2A**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Sidewalk (Phase A)  
**Project Location:** Half Moon Bay to Montara

**Description**

Project will provide a consistent concrete sidewalk along Highway 1 for pedestrian safety. This project uses the same segments identified in roadway improvement projects 4A, 4B, and 4C. Phase A improvements of Project 2 will be implemented during Alternative 1, whereas Phase B and C improvements will be implemented during Alternatives 2 and 3.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 18, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Sidewalk	6	SF/LF	\$7.50	\$ 45.00
2	Temporary traffic control	1	LF/LF	\$3.50	\$ 3.50
3	Prepare Water Pollution Control Plan	1	LF/LF	\$1.50	\$ 1.50
4	Clearing and grubbing	1	LF/LF	\$3.00	\$ 3.00
5	Surveying	1	LF/LF	\$3.00	\$ 3.00
6	Misc. Drainage Modifications	1	LF/LF	\$4.50	\$ 4.50
				Cost Per Linear Foot:	\$ 60.50
7	Half Moon Bay Seg.- Terrace Ave to Seymour St	7350	LF	\$ 60.50	\$ 444,675
8	El Granada Seg.- Capistrano Rd to Coronado St	4460	LF	\$ 60.50	\$ 269,830
9	Moss Beach Seg.- California Ave to Cypress Ave	1430	LF	\$ 60.50	\$ 86,515
10	Montara Seg.- between 7th St and 9th St	545	LF	\$ 60.50	\$ 32,973
11	Mobilization	1	LS	\$ 83,400.00	\$ 83,400

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 834,000

**Project Number 2A**

Planning Engineering (TE)	\$ 84,000	Contract Items	\$ 917,400
Preliminary Engineering (Design/Survey)*	\$ 138,000	Other Costs (CON)	\$ 138,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 138,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 1,193,400
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 84,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 198,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 138,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 420,000</b>		
		<b>Grand Total</b>	<b>\$ 1,475,400</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$ 1,475,000**

1970 Broadway Ste 740, Oakland CA 94612

**Project Number 2B**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Sidewalk (Phase B)  
**Project Location:** Half Moon Bay to Montara

**Description**

Project will provide a consistent concrete sidewalk along Highway 1 for pedestrian safety. This project uses the same segments identified in roadway improvement projects 4A, 4B, and 4C. Phase B improvements of Project 2 will be implemented during Alternative 2, whereas Phase A and C improvements were/will be implemented during Alternatives 1 and 3.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 18, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Sidewalk	6	SF/LF	\$7.50	\$ 45.00
2	Temporary traffic control	1	LF/LF	\$3.50	\$ 3.50
3	Prepare Water Pollution Control Plan	1	LF/LF	\$1.50	\$ 1.50
4	Clearing and grubbing	1	LF/LF	\$3.00	\$ 3.00
5	Surveying	1	LF/LF	\$3.00	\$ 3.00
6	Misc. Drainage Modifications	1	LF/LF	\$4.50	\$ 4.50
				Cost Per Linear Foot:	\$ 60.50
7	Half Moon Bay Seg.- Seymour to Redondo Bch & Terr	8930	LF	\$ 60.50	\$ 540,265
8	El Granada Seg.- Coronado St to Medio Ave & Capistr	4800	LF	\$ 60.50	\$ 290,400
9	Moss Beach Seg.- Cypress Ave to Etheldore St	1720	LF	\$ 60.50	\$ 104,060
10	Montara Seg.- between 1st St and 7th St	1570	LF	\$ 60.50	\$ 94,985
11	Mobilization	1	LS	\$ 103,000.00	\$ 103,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 1,030,000

**Project Number 2B**

Planning Engineering (TE)	\$ 103,000	Contract Items	\$ 1,133,000
Preliminary Engineering (Design/Survey)*	\$ 170,000	Other Costs (CON)	\$ 170,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 170,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 1,473,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 103,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 230,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 170,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 503,000		
		<b>Grand Total</b>	<b>\$ 1,806,000</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 1,806,000**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-1 Sidewalk (Phase C)  
**Project Location:** Half Moon Bay to Montara

**Description**  
 Project will provide a consistent concrete sidewalk along Highway 1 for pedestrian safety. This project uses the same segments identified in roadway improvement projects 4A, 4B, and 4C. Phase C improvements of Project 2 will be implemented during Alternative 3, whereas Phase A and B improvements were previously implemented during Alternatives 1 and 2.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 18, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Sidewalk	6	SF/LF	\$7.50	\$ 45.00
2	Temporary traffic control	1	LF/LF	\$3.50	\$ 3.50
3	Prepare Water Pollution Control Plan	1	LF/LF	\$1.50	\$ 1.50
4	Clearing and grubbing	1	LF/LF	\$3.00	\$ 3.00
5	Surveying	1	LF/LF	\$3.00	\$ 3.00
6	Misc. Drainage Modifications	1	LF/LF	\$4.50	\$ 4.50
				Cost Per Linear Foot:	\$ 60.50
7	Half Moon Bay Seg.- Redondo Bch to Miramntes Pt Rd	8820	LF	\$ 60.50	\$ 533,610
8	El Granada Seg.- Medio Ave to Mirada Rd	1240	LF	\$ 60.50	\$ 75,020
9	Moss Beach Seg.- Carlos St to California Ave	3220	LF	\$ 60.50	\$ 194,810
10	Montara Seg.- between 9th St and 14th St	1345	LF	\$ 60.50	\$ 81,373
11	Mobilization	1	LS	\$ 88,500.00	\$ 88,500

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 885,000

**Project Number 2C**

Planning Engineering (TE)	\$ 89,000	Contract Items	\$ 973,500
Preliminary Engineering (Design/Survey)*	\$ 147,000	Other Costs (CON)	\$ 147,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 147,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 1,267,500
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 89,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 207,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 147,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 443,000</b>		
		<b>Grand Total</b>	<b>\$ 1,563,500</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

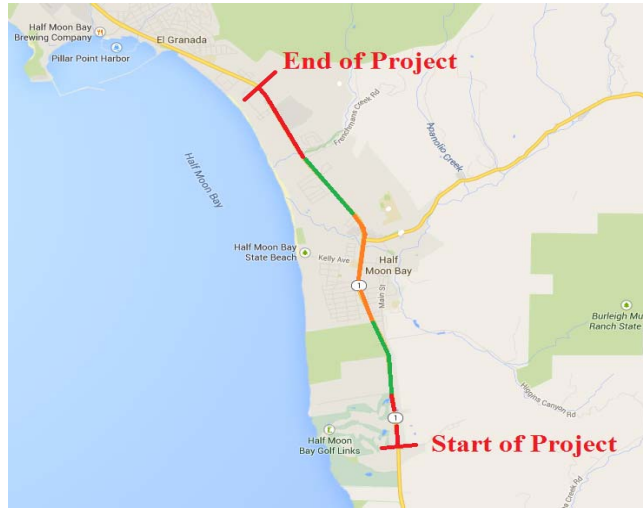
Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$ 1,564,000**



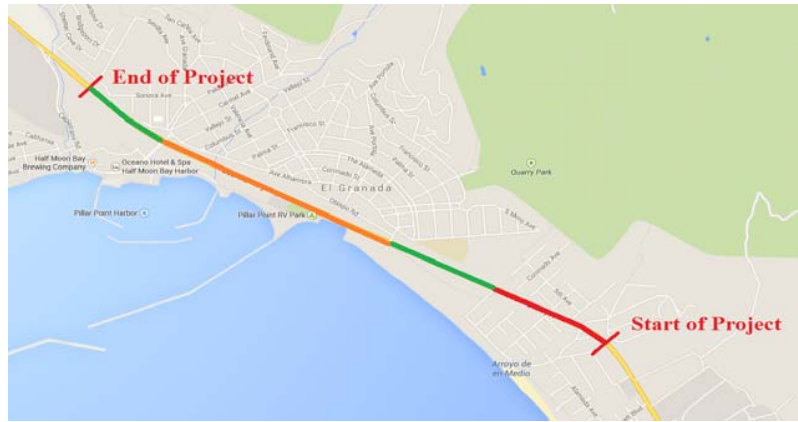
**Project 2: SR-1 Sidewalk**

Half Moon Bay Segment

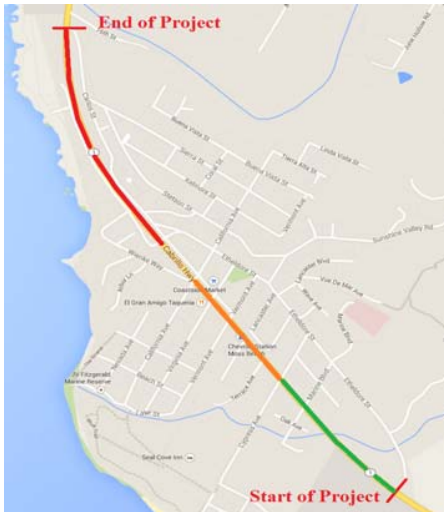


- Phase A Improvement
- Phase B Improvement
- Phase C Improvement

El Granada Segment



Moss Beach Segment



Montara Segment

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Sharrows on Main Street  
**Project Location:** Main Street from 2nd Street to 10th Street in Montara

**Description** Project will stripe a sharrow on each block of Main Street in Montara (from 2nd Street to 10th Street) to enhance bicycle safety. Additionally, "Share the Road" bicycle signs and plaques will be installed next to each sharrow marking.

**Project Length (ft):** 2090

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Stripe sharrow	16	EA	\$250.00	\$ 4,000
2	W11-1 (Bicycle) sign	16	EA	\$250.00	\$ 4,000
3	W16-1p ("Share the Road") plaque	16	EA	\$200.00	\$ 3,200
4	Mobilization	1	LS	\$ 1,100.00	\$ 1,100

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 11,000

**Project Number 3**

Planning Engineering (TE)	\$ -	Contract Items	\$ 12,100
Preliminary Engineering (Design/Survey)*	\$ 30,000	Other Costs (CON)	\$ -
Utility Coordination (Design)	\$ -	Contingency*	\$ 2,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 14,100
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 30,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 30,000</b>		

**Grand Total \$ 44,100**

\* CONTINGENCY is 15% of contract items.

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 44,000**

Project 3: Sharrows on Main Street



1970 Broadway Ste 740, Oakland CA 94612

**Project Number 4**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Sharrows on Carlos Street  
**Project Location:** Carlos Street from SR-1 to Vermont Avenue in Moss Beach

**Description** Project will stripe a sharrow on each block (or every 250', whichever is less) of Carlos Street in Moss Beach, from SR-1 to Vermont Avenue. Additionally, "Share the Road" bicycle signs and plaques will be installed next to each sharrow marking.

**Project Length (ft):** 3715

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Stripe sharrow	14	EA	\$250.00	\$ 3,500
2	W11-1 (Bicycle) sign	14	EA	\$250.00	\$ 3,500
3	W16-1p ("Share the Road") plaque	14	EA	\$200.00	\$ 2,800
4	Mobilization	1	LS	\$ 1,000.00	\$ 1,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 10,000

**Project Number 4**

Planning Engineering (TE)	\$ -	Contract Items	\$ 11,000
Preliminary Engineering (Design/Survey)*	\$ 30,000	OTHER COSTS (LOW)	\$ -
Utility Coordination (Design)	\$ -	Contingency*	\$ 2,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 13,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 30,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 30,000		
		<b>Grand Total</b>	<b>\$ 43,000</b>

\* CONTINGENCY is 15% of contract items.

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 43,000**

Project 4: Sharrows on Carlos Street





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Coronado Street and Ave Alhambra Sidewalk  
**Project Location:** Ave Alhambra/Coronado Street from SR-1 to Capistrano Road

**Description** Project will provide a consistent 6' concrete sidewalk along Avenue Alhambra for pedestrian safety, filling in gaps in the existing network.

**Project Length (ft):** 4770

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	19680	SF	\$0.50	\$ 9,840.00
2	Sidewalk	19680	SF	\$7.50	\$ 147,600.00
3	New ADA curb ramps	46	EA	\$3,000.00	\$ 138,000.00
4	Temporary traffic control	1	LS	\$ 30,000.00	\$ 30,000
5	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
6	Misc. Drainage Modifications	1	LS	\$31,488.00	\$ 31,488.00
7	Mobilization	1	LS	\$ 36,300.00	\$ 36,300

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 363,000

**Project Number 5**

Planning Engineering (TE)	\$ 37,000	Contract Items	\$ 399,300
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 80,000
Utility Coordination (Design)	\$ 36,293	Contingency*	\$ 60,000
Environmental (Environmental, Real Property)	\$ 36,293	Subtotal (Contract Items)	\$ 539,300
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 37,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 172,586
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 80,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 289,586</b>	<b>Grand Total</b>	<b>\$ 748,886</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 749,000**

## Project 5: Coronado Street and Ave Alhambra Sidewalk



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Traffic Signal Updates  
**Project Location:** Half Moon Bay

**Description**

Project will update all traffic signals in Half Moon Bay to provide pedestrian countdown indicators on all signalized crosswalks, adjust signal timing to accommodate slower walking speeds, install bicycle detection equipment, and provide pedestrian refuge spaces on wide road crossings. The cost (per location) is shown below.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 11, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Install pedestrian countdown indicators	1	LS	\$ 5,000.00	\$ 5,000
2	Adjust signal timing	1	LS	\$ 1,500.00	\$ 1,500
3	Install bicycle detection	1	LS	\$ 10,000.00	\$ 10,000
4	Upgrades (curb ramps, median refuge, etc.)	1	LS	\$ 5,000.00	\$ 5,000
6	Temporary traffic control	1	LS	\$ 2,000.00	\$ 2,000
7	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
8	Mobilization	1	LS	\$ 3,000.00	\$ 3,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 30,000

**Project Number 9**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 33,000
Preliminary Engineering (Design/Survey)*	\$ 50,000	Other Costs (CON)	\$ 20,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 10,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 63,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 110,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 20,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 160,000</b>	<b>Grand Total</b>	<b>\$ 203,000</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 203,000 per location**

**Project 9: Traffic Signal Updates**



1970 Broadway Ste 740, Oakland CA 94612

**Project Number 10**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Main Street Class III Bike Route  
**Project Location:** Entire length of Main Street in Half Moon Bay

**Description** Project will designate Main Street as a Class III bike route in Half Moon Bay by striping sharrows every 250' and installing signage.

**Project Length (ft):** 7820

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Stripe sharrow	15640	LF	\$1.00	\$ 15,640
2	D11-1 (Bicycle Route) sign	16	EA	\$250.00	\$ 4,000
3	W11-1 (Bicycle) sign	16	EA	\$250.00	\$ 4,000
4	W16-1p ("Share the Road") plaque	16	EA	\$200.00	\$ 3,200
5	Mobilization	1	LS	\$ 2,700.00	\$ 2,700

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 27,000

**Project Number 10**

Planning Engineering (TE)	\$ -	Contract Items	\$ 29,700
Preliminary Engineering (Design/Survey)*	\$ 50,000	OTHER COSTS (LUM)	\$ -
Utility Coordination (Design)	\$ -	Contingency*	\$ 5,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 34,700
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 50,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 50,000</b>	<b>Grand Total</b>	<b>\$ 84,700</b>

\* CONTINGENCY is 15% of contract items.

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 85,000**



Project 10: Main Street Class III Bike Route



D11-1

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Capistrano Road Bicycle Facilities

**Project Location:** Capistrano Road from North Terminus at SR-1 to South Terminus at SR-1

**Description**

Along the rural/fringe segment (between the north terminus at the Mezzaluna Restaurant parking lot), the roadway would be widened from 23' to 40' to provide 12' travel lanes with an 8' shoulder/Class II bike lane. Along the urban segment (between the Mezzaluna Restaurant parking lot and the south terminus), the roadway would be striped with sharrows and signed as a Class III bike route. The existing right of way

**Project Length (ft):** 3880

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
<b>Between North Terminus at SR-1 and Mezzaluna Parking Lot</b>					
1	Clearing and grubbing	28900	SF	\$0.50	\$ 14,450
2	Earthwork	28900	SF	\$2.00	\$ 57,800
3	Class 2 Aggregate Base	2141	CY	\$65.00	\$ 139,148
4	Hot Mix Asphalt (Type A)	1431	Ton	\$110.00	\$ 157,361
5	Striping	7760	LF	\$3.00	\$ 23,280
<b>Between Mezzaluna Parking Lot and South Terminus at SR-1</b>					
6	Restripe roadway to provide 5' bike lanes	4360	LF	\$3.00	\$ 13,080
7	Temporary traffic control	1	LS	\$20,300.00	\$ 20,300
8	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
9	Mobilization	1	LS	\$ 43,100.00	\$ 43,100

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 431,000

**Project Number 11**

Planning Engineering (TE)	\$ 44,000	Contract Items	\$ 474,100
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 95,000
Utility Coordination (Design)	\$ 40,512	Contingency*	\$ 72,000
Environmental (Environmental, Real Property)	\$ 40,512	Subtotal (Contract Items)	\$ 641,100
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 44,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 181,024
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 95,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 320,024</b>		
		<b>Grand Total</b>	<b>\$ 866,124</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 866,000**

**Project 11: Capistrano Road Bicycle Facilities**



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Airport Street Class II Bike Lanes  
**Project Location:** Airport Street from Cypress Avenue to Harvard Avenue

**Description** This project would widen Airport Street to provide 12' travel lanes, 8' shoulders/bike lanes between Cypress Avenue and Stanford Avenue, and 5' bike lanes from Stanford Avenue to Harvard Avenue.

**Project Length (ft):** 8710

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	138400	SF	\$0.50	\$ 69,200
2	Earthwork	138400	SF	\$2.00	\$ 276,800
3	Class 2 Aggregate Base	10252	CY	\$65.00	\$ 666,370
4	Hot Mix Asphalt (Type A)	6851	Ton	\$110.00	\$ 753,588
5	Striping	17420	LF	\$3.00	\$ 52,260
6	Misc. drainage modifications	1	LS	\$363,600.00	\$ 363,600
7	Temporary traffic control	1	LS	\$54,500.00	\$ 54,500
8	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
9	Mobilization	1	LS	\$ 224,200.00	\$ 224,200

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 2,242,000

**Project Number 12**

Planning Engineering (TE)	\$ 225,000	Contract Items	\$ 2,466,200
Preliminary Engineering (Design/Survey)*	\$ 370,000	Other Costs (CON)	\$ 370,000
Utility Coordination (Design)	\$ 218,182	Contingency*	\$ 370,000
Environmental (Environmental, Real Property)	\$ 218,182	Subtotal (Contract Items)	\$ 3,206,200
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 225,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 806,364
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 370,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	#####		
		<b>Grand Total</b>	<b>\$ 4,237,564</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

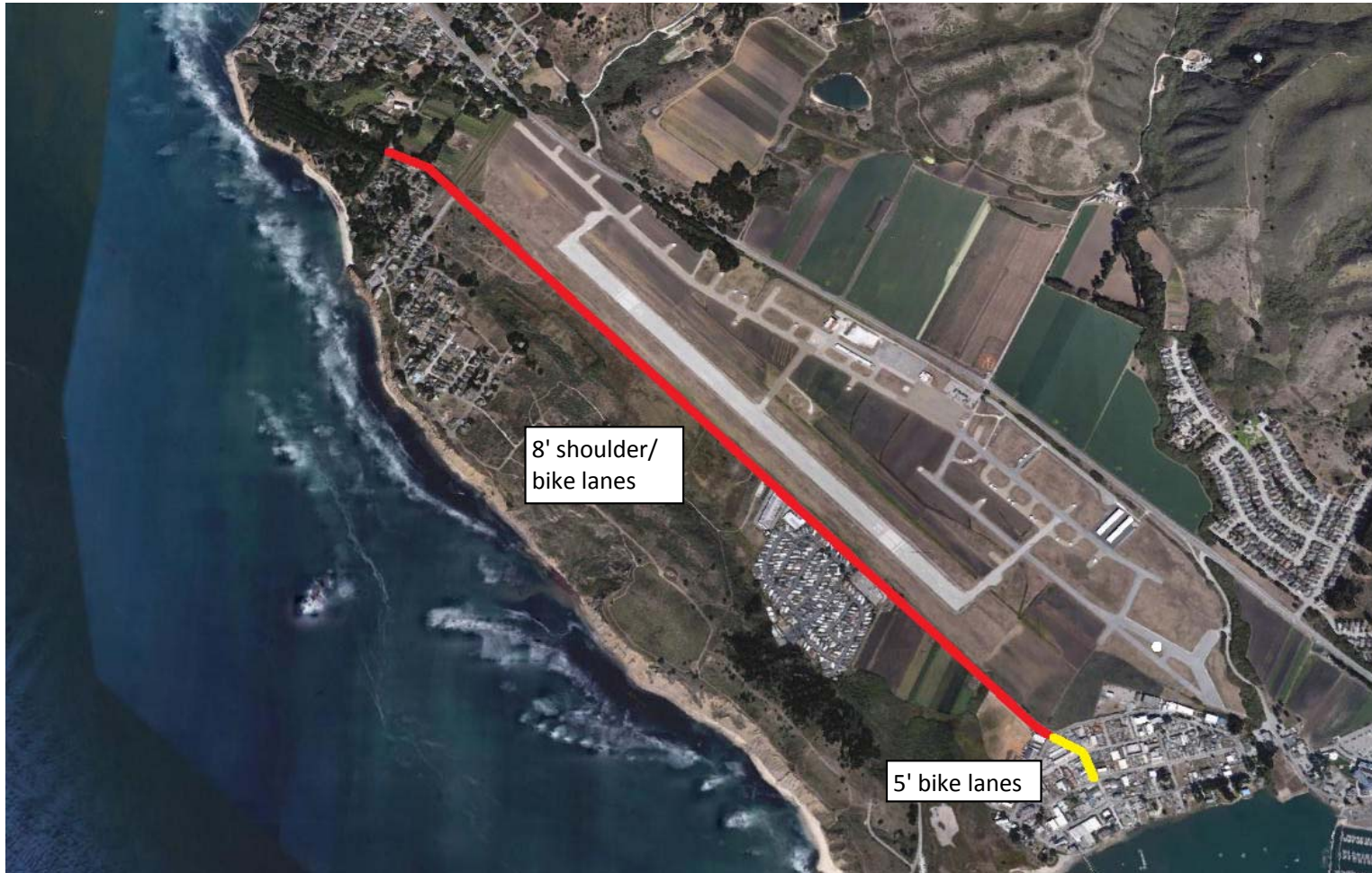
\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 4,238,000**



**Project 12: Airport Street Class II Bike Lanes**





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Gray Whale Cove Pedestrian Overcrossing  
**Project Location:** SR-1 at Gray Whale Cove north of Montara

**Description** Project will replace the Alternative 1 & 2 striped pedestrian crossing with a 14' wide grade separated crossing. The overcrossing will be a reinforced concrete box girder bridge with a chain link railing.

**Project Length (ft):** 300

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	1	LS	\$30,000.00	\$ 30,000.00
2	Construct concrete box girder bridge	4200	SF	\$350.00	#####
3	Bridge railing	600	LF	\$35.00	\$ 21,000.00
4	Architectural enhancements	1	LS	\$250,000.00	\$ 250,000.00
5	Safety lighting	1	LS	\$150,000.00	\$ 150,000.00
6	Striping and bollards	1	LS	\$3,000.00	\$ 3,000.00
7	Misc. Drainage Modifications	1	LS	\$384,800.00	\$ 384,800.00
8	Temporary traffic control	1	LS	\$ 58,000.00	\$ 58,000.00
9	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000.00
10	Mobilization	1	LS	\$ 237,300.00	\$ 237,300.00

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 2,373,000

**Project Number 13**

Planning Engineering (TE)	\$ 238,000	Contract Items	\$ 2,610,300
Preliminary Engineering (Design/Survey)*	\$ 392,000	Other Costs (CON)	\$ 392,000
Utility Coordination (Design)	\$ 230,880	Contingency*	\$ 392,000
Environmental (Environmental, Real Property)	\$ 230,880	Subtotal (Contract Items)	\$ 3,394,300
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 238,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 853,760
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 392,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 1,483,760</b>	<b>Grand Total</b>	<b>\$ 4,486,060</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

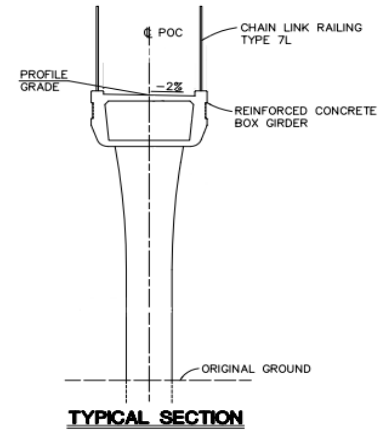
\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 4,486,000**

### Project 13: Gray Whale Cove Pedestrian Overcrossing



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Montara Sanitary District Pedestrian Overcrossing  
**Project Location:** SR-1 at Montara Sanitary District in Montara

**Description** Project will construct a 14' wide grade separated crossing. The overcrossing will be a reinforced concrete box girder bridge with a chain link railing.

**Project Length (ft):** 450

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	1	LS	\$30,000.00	\$ 30,000.00
2	Earthwork	4900	SF	\$8.00	\$ 39,200.00
3	Construct concrete box girder bridge	1400	SF	\$350.00	\$ 490,000.00
4	Construct slab ramps	4900	SF	\$250.00	#####
5	Construct retaining wall	200	LF	\$200.00	\$ 40,000.00
6	Bridge railing	900	LF	\$35.00	\$ 31,500.00
7	Architectural enhancements	1	LS	\$400,000.00	\$ 400,000.00
8	Safety lighting	1	LS	\$250,000.00	\$ 250,000.00
9	Striping and bollards	1	LS	\$5,000.00	\$ 5,000.00
10	Misc. Drainage Modifications	1	LS	\$502,140.00	\$ 502,140.00
11	Temporary traffic control	1	LS	\$ 75,000.00	\$ 75,000
12	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
13	Mobilization	1	LS	\$ 309,400.00	\$ 309,400

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 3,094,000

**Project Number 13**

Planning Engineering (TE)	\$ 310,000	Contract Items	\$ 3,403,400
Preliminary Engineering (Design/Survey)*	\$ 511,000	Other Costs (CON)	\$ 511,000
Utility Coordination (Design)	\$ 301,284	Contingency*	\$ 511,000
Environmental (Environmental, Real Property)	\$ 301,284	Subtotal (Contract Items)	\$ 4,425,400
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 310,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 1,113,568
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 511,000		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 1,934,568		
		<b>Grand Total</b>	<b>\$ 5,848,968</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

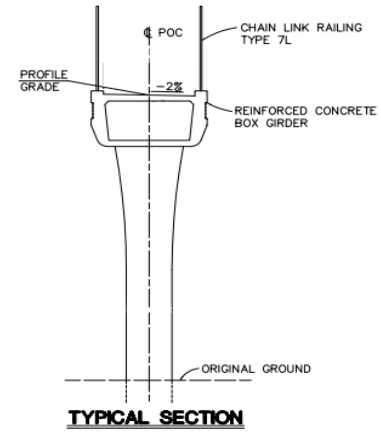
\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$ 5,849,000**

# Project 14: Gray Whale Cove Pedestrian Overcrossing



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Surfer's Beach Pedestrian Overcrossing  
**Project Location:** SR-1 at Surfer's Beach in El Granada

**Description** Project will construct a 14' wide grade separated crossing over the future SR-1 alignment to connect the future promenade area to the beach. The overcrossing will be a reinforced concrete box girder bridge with a chain link railing.

**Project Length (ft):** 600

**Date of Estimate:** Feb. 19, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	1	LS	\$30,000.00	\$ 30,000.00
2	Earthwork	8400	SF	\$4.00	\$ 33,600.00
3	Construct concrete box girder bridge	1400	SF	\$350.00	\$ 490,000.00
4	Construct slab ramps	7000	SF	\$250.00	#####
5	Bridge railing	1200	LF	\$35.00	\$ 42,000.00
6	Architectural enhancements	1	LS	\$500,000.00	\$ 500,000.00
7	Safety lighting	1	LS	\$250,000.00	\$ 250,000.00
8	Striping and bollards	1	LS	\$5,000.00	\$ 5,000.00
9	Misc. Drainage Modifications	1	LS	\$620,120.00	\$ 620,120.00
10	Temporary traffic control	1	LS	\$ 93,000.00	\$ 93,000
11	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
12	Mobilization	1	LS	\$ 382,000.00	\$ 382,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 3,820,000

**Project Number 13**

Planning Engineering (TE)	\$ 382,000	Contract Items	\$ 4,202,000
Preliminary Engineering (Design/Survey)*	\$ 631,000	Other Costs (CON)	\$ 631,000
Utility Coordination (Design)	\$ 372,072	Contingency*	\$ 631,000
Environmental (Environmental, Real Property)	\$ 372,072	Subtotal (Contract Items)	\$ 5,464,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 382,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 1,375,144
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 631,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 2,388,144</b>		
		<b>Grand Total</b>	<b>\$ 7,221,144</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 7,221,000**

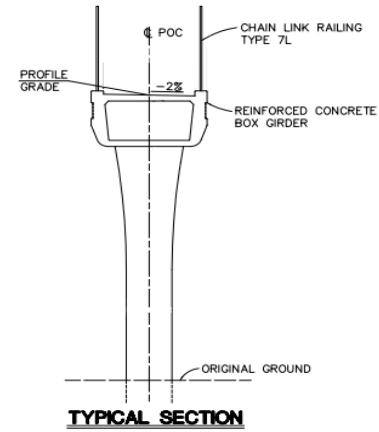


**Project 15: Surfer's Beach Pedestrian Overcrossing**



Existing roadway to be converted to parking

Future SR-1 Alignment  
Future Promenade



New overcrossing



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Kehoe Avenue Overcrossing  
**Project Location:** SR-1 at Kehoe Avenue

**Description**

Project will construct a 14' wide grade separated crossing over SR-1 at Kehoe Avenue. The overcrossing will be a reinforced concrete box girder bridge with a chain link railing.

**Project Length (ft):** 600

**Date of Estimate:** Feb. 19, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	1	LS	\$30,000.00	\$ 30,000.00
2	Earthwork	8400	SF	\$4.00	\$ 33,600.00
3	Construct concrete box girder bridge	1400	SF	\$350.00	\$ 490,000.00
4	Construct slab ramps	7000	SF	\$250.00	#####
5	Bridge railing	1200	LF	\$35.00	\$ 42,000.00
6	Architectural enhancements	1	LS	\$200,000.00	\$ 200,000.00
7	Safety lighting	1	LS	\$200,000.00	\$ 200,000.00
8	Striping and bollards	1	LS	\$5,000.00	\$ 5,000.00
9	Misc. Drainage Modifications	1	LS	\$550,120.00	\$ 550,120.00
10	Temporary traffic control	1	LS	\$ 83,000.00	\$ 83,000
11	Prepare Water Pollution Control Plan	1	EA	\$6,000.00	\$ 6,000
12	Mobilization	1	LS	\$ 339,000.00	\$ 339,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 3,390,000

**Project Number 13**

Planning Engineering (TE)	\$ 339,000	Contract Items	\$ 3,729,000
Preliminary Engineering (Design/Survey)*	\$ 560,000	Other Costs (CON)	\$ 560,000
Utility Coordination (Design)	\$ 330,072	Contingency*	\$ 560,000
Environmental (Environmental, Real Property)	\$ 330,072	Subtotal (Contract Items)	\$ 4,849,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 339,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 1,220,144
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 560,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 2,119,144</b>		
		<b>Grand Total</b>	<b>\$ 6,408,144</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

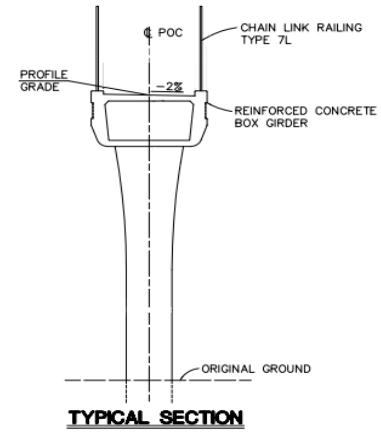
\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$ 6,408,000**

# Project 16: Kehoe Avenue Overcrossing



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** SR-92 Bike Lanes  
**Project Location:** Between Half Moon Bay and San Mateo

**Description** This project will provide Class II bike lanes along segments of SR-92 to enhance bicyclist safety.

**Project Length (ft):** Varies

**Date of Estimate:** Feb. 19, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Clearing and grubbing	16	SF/LF	\$0.50	\$ 8.00
2	Earthwork	16	SF/LF	\$4.00	\$ 64.00
3	Class 2 Aggregate Base	1.19	CY/LF	\$65.00	\$ 77
4	Hot Mix Asphalt (Type A)	0.79	Ton/LF	\$110.00	\$ 87
5	Striping	2	LF/LF	\$3.00	\$ 6
6	Misc. Drainage Modifications	1	LF/LF	\$48.43	\$ 48.43
				Cost Per Linear Foot:	\$ 290.59
7	Bike Lane Segment #1 Main St to SR-35	36325	LF	\$ 290.59	\$ 10,555,625
8	Bike Lane Segment #2	0	LF	\$ 290.59	\$ -
9	Bike Lane Segment #3	0	LF	\$ 290.59	\$ -
10	Bike Lane Segment #4	0	LF	\$ 290.59	\$ -
11	Temporary traffic control	1	LF/LF	\$527,781.26	\$ 527,781.26
12	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000.00
13	Surveying	1	LS	\$30,000.00	\$ 30,000.00
14	Mobilization	1	LS	\$ 1,111,900.00	\$ 1,111,900

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 11,119,000

**Project Number 17**

Planning Engineering (TE)	\$ 1,112,000	Contract Items	\$ 12,230,900
Preliminary Engineering (Design/Survey)*	\$ 1,835,000	Other Costs (CON)	\$ 1,835,000
Utility Coordination (Design)	\$ 1,055,563	Contingency*	\$ 1,835,000
Environmental (Environmental, Real Property)	\$ 1,055,563	Subtotal (Contract Items)	\$ 15,900,900
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 1,112,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 3,946,125
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 1,835,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 6,893,125</b>	<b>Grand Total</b>	<b>\$ 20,959,025</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

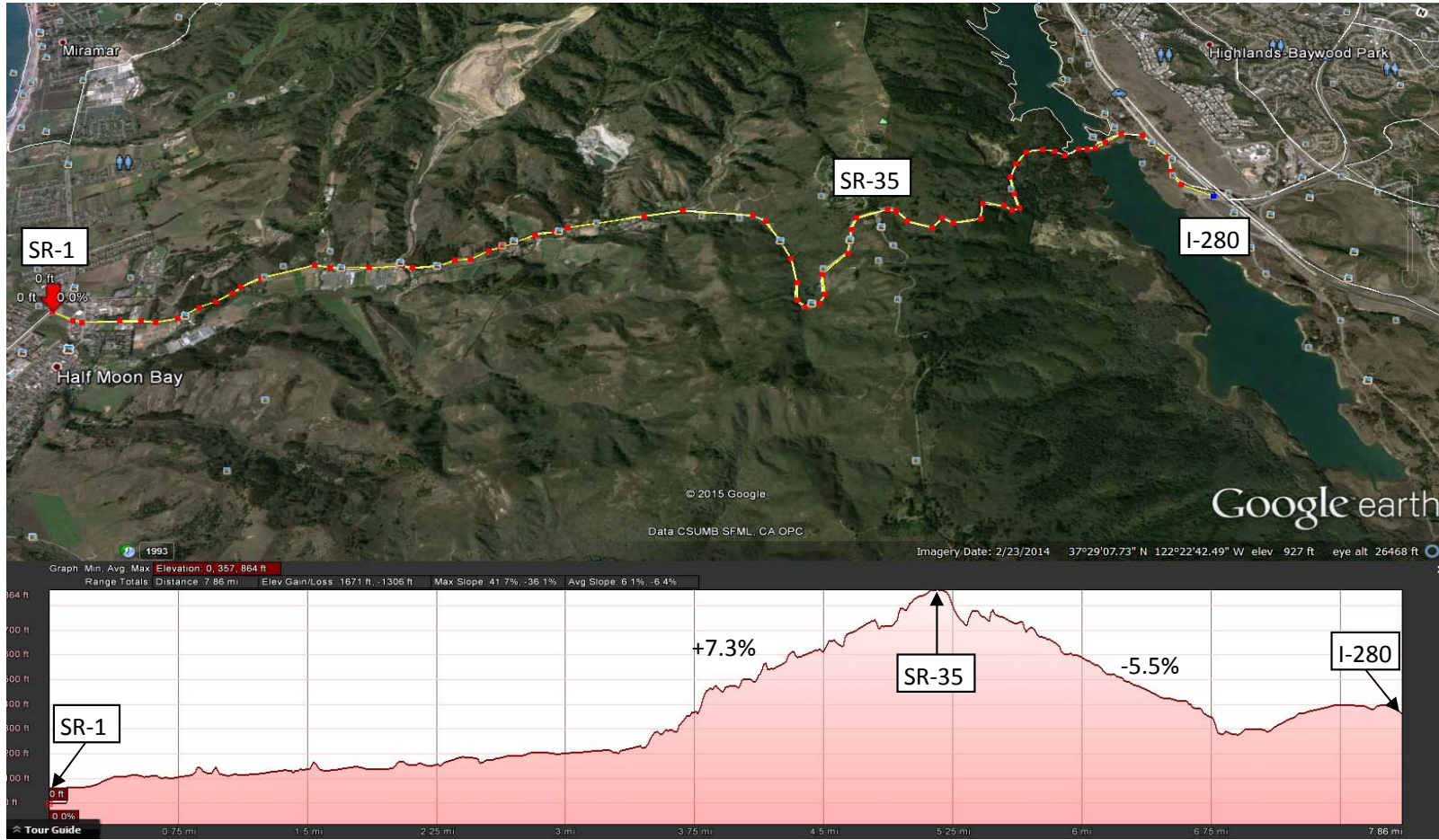
\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**➤ TOTAL (in 2015 dollars) \$ 20,959,000**



# Project 17: SR-92 Bike Lanes





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

<b>Project Name:</b>	Transit Stop Improvements
<b>Project Location:</b>	Various

**Description** Project will improve the existing bus shelters to provide a concrete pad, shelter, trash receptacles, seating, and bicycle racks. Additionally, electrical service will be provided for pedestrian lighting and a real-time bus arrival information sign.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 27, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Reconstruct sidewalk	360	SF	\$10.00	\$ 3,600
2	Reconstruct curb/gutter	45	LF	\$30.00	\$ 1,350
3	PCC bus pad (incl. earthwork, haul, and AB stone)	450	SF	\$50.00	\$ 22,500
4	Smart Bus Shelter with internal LED lighting and foundation	1	LS	\$30,000.00	\$ 30,000
5	Free Standing light ornamental Ped fixture LED with Photocell and new service point	1	LS	\$25,000.00	\$ 25,000
6	Trash receptacles	1	EA	\$750.00	\$ 750
7	Bicycle rack	1	EA	\$500.00	\$ 500
8	Electronic bus timing sign	1	EA	\$5,000.00	\$ 5,000
9	Striping, curb painting, and signage	1	EA	\$2,500.00	\$ 2,500
10	Mobilization	1	LS	\$ 9,100.00	\$ 9,100

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 91,000

**Project Number** 1

Planning Engineering (TE)	\$ -	Contract Items	\$ 100,100
Preliminary Engineering (Design/Survey)*	\$ 35,000	OTHER COSTS (OWN)	\$ -
Utility Coordination (Design)	\$ 5,000	Contingency*	\$ 16,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 116,100
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 40,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 40,000</b>	<b>Grand Total</b>	<b>\$ 156,100</b>

\* CONTINGENCY is 15% of contract items.

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 156,000**

**Summary of Costs for Parking Projects  
San Mateo County Comprehensive Transportation Management Plan**

<b>Alternative 1 Parking Improvements</b>		
<b>Project #</b>	<b>Project Name</b>	<b>Cost</b>
1	Montara State Beach Parking Lot Improvements	\$ 557,000
2	Gray Whale Cove Parking Lot Improvements	\$ 1,052,000
3	Wayfinding	\$ 303,000
	<b>Total:</b>	<b>\$ 1,912,000</b>
<b>Alternative 2 Parking Improvements</b>		
<b>Project #</b>	<b>Project Name</b>	<b>Cost</b>
	Carried over Alternative 1 options	\$ 1,912,000
4	Rancho Corral de Tierra Parking Lot	\$ 2,346,000
	<b>Total:</b>	<b>\$ 4,258,000</b>
<b>Alternative 3 Parking Improvements</b>		
<b>Project #</b>	<b>Project Name</b>	<b>Cost</b>
	Carried over Alternative 1 and 2 options	\$ 4,258,000
5	Carlos Street On-Street Parking	\$ 34,000
6	El Granada Diagonal Parking	\$ 54,000
	<b>Total:</b>	<b>\$ 4,346,000</b>

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Montara State Beach Parking Lot Improvements  
**Project Location:** Northernmost Montara State Beach Parking Lot

**Description** Project would improve the existing dirt parking lot by paving with pervious concrete. This solution will improve the visitor experience, drainage characteristics of the site, and is environmentally-conscious.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 23, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Earthwork	13700	SF	\$2.00	\$ 27,400
2	Geotextile fabric	13700	SF	\$1.00	\$ 13,700
3	ASTM No. 57 (drain rock) base	1015	CY	\$65.00	\$ 65,963
4	Pervious concrete	13700	SF	\$8.00	\$ 109,600
5	Concrete curb (edge restraint)	420	LF	\$7.00	\$ 2,940
6	Stripe parking lot	13700	SF	\$0.50	\$ 6,850
7	Signage	1	LS	\$2,000.00	\$ 2,000
8	Temporary traffic control	1	LS	\$11,400.00	\$ 11,400
9	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
10	Mobilization	1	LS	\$ 24,600.00	\$ 24,600

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 246,000

**Project Number 1**

Planning Engineering (TE)	\$ 30,000	Contract Items	\$ 270,600
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 55,000
Utility Coordination (Design)	\$ 30,000	Contingency*	\$ 41,000
Environmental (Environmental, Real Property)	\$ 30,000	Subtotal (Contract Items)	\$ 366,600
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 30,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 160,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 55,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 245,000</b>		

**Grand Total \$ 556,600**

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

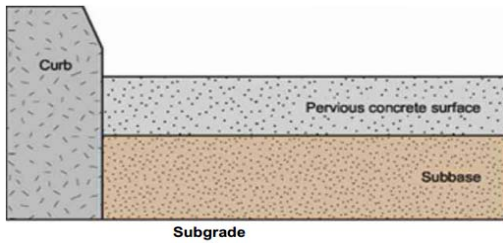
**> TOTAL (in 2015 dollars) \$ 557,000**

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

# Project 1: Montara State Beach Parking Lot Improvements



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Gray Whale Cove Parking Lot Improvements  
**Project Location:** Upper Gray Whale Cove Parking Lot

**Description**  
 Project would improve the existing parking lot (which is partially paved with asphalt and partially dirt) by paving with pervious concrete. This solution will improve the pavement structure, drainage characteristics of the site, and is environmentally-conscious.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 23, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Remove existing asphalt	16000	SF	\$3.00	\$ 48,000
2	Earthwork	28600	SF	\$2.00	\$ 57,200
3	Geotextile fabric	28600	SF	\$1.00	\$ 28,600
4	ASTM No. 57 (drain rock) base	2119	CY	\$65.00	\$ 137,704
5	Pervious concrete	28600	SF	\$8.00	\$ 228,800
6	Concrete curb (edge restraint)	820	LF	\$7.00	\$ 5,740
7	Stripe parking lot	28600	SF	\$0.50	\$ 14,300
8	Signage	1	LS	\$2,000.00	\$ 2,000
9	Temporary traffic control	1	LS	\$23,700.00	\$ 23,700
10	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
11	Mobilization	1	LS	\$ 55,200.00	\$ 55,200

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 552,000

**Project Number** 2

Planning Engineering (TE)	\$ 56,000	Contract Items	\$ 607,200
Preliminary Engineering (Design/Survey)*	\$ 100,000	Other Costs (CON)	\$ 92,000
Utility Coordination (Design)	\$ 52,234	Contingency*	\$ 92,000
Environmental (Environmental, Real Property)	\$ 52,234	Subtotal (Contract Items)	\$ 791,200
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 56,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 204,469
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 92,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 352,469</b>		

**Grand Total** \$ 1,051,669

Current Year 2015

Escalation Year 2015

Escalation Rate 0.0%

**➤ TOTAL (in 2015 dollars) \$1,052,000**

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

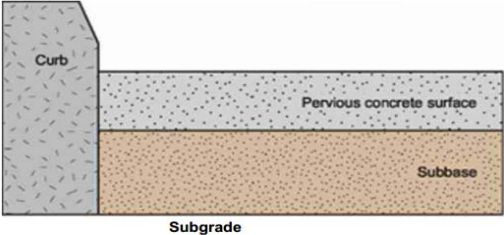


**Project 2: Montara State Beach Parking Lot Improvements**

**Gray Whale Cove Parking Lot**



Project Limits



1970 Broadway Ste 740, Oakland CA 94612

**Project Number 3**

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Wayfinding  
**Project Location:** Midcoast and Half Moon Bay

**Description** Project will install wayfinding signs to help drivers navigate and find parking. This budget assumes \$100,000 in Half Moon Bay, \$50,000 in Montara, and \$25,000 in both Moss Beach and El Granada to implement wayfinding programs.

**Project Length (ft):** N/A

**Date of Estimate:** Feb. 23, 2015

Revision No.
Revision Date
Revised by

**Prepared by:** T. Krakow

No.	Description	Quantity	Units	Unit Cost	Total
1	Install wayfinding signage	1	LS	\$200,000.00	\$ 200,000
2	Mobilization	1	LS	\$ 20,000.00	\$ 20,000

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 200,000

**Project Number 3**

Planning Engineering (TE)	\$ -	Contract Items	\$ 220,000
Preliminary Engineering (Design/Survey)*	\$ 50,000	Other Costs (LOW)	\$ -
Utility Coordination (Design)	\$ -	Contingency*	\$ 33,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 253,000
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 50,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
SUBTOTAL of OTHER COSTS (ALL)	\$ 50,000		

**Grand Total \$ 303,000**

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year 2015  
 Escalation Year 2015  
 Escalation Rate 0.0%

**> TOTAL (in 2015 dollars) \$ 303,000**

Project 3: Wayfinding



- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Rancho Corral de Tierra Parking Lot  
**Project Location:** North of Montara and approximately 800 feet east of SR-1

**Description** Project would construct a parking lot approximately 800 feet east of SR-1 to allow visitors to access Rancho Corral de Tierra. The new lot would be paved with pervious concrete to enhance drainage characteristics and reduce the project's environmental footprint. Additionally, the project would construct an access road.

**Project Length (ft):** 820

**Date of Estimate:** Feb. 23, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
<b>Construct access road</b>					
1	Clearing and grubbing	1	LS	\$30,000.00	\$ 30,000
2	Earthwork	19680	SF	\$2.00	\$ 39,360
3	Class 2 Aggregate Base	1458	CY	\$65.00	\$ 94,756
4	Hot Mix Asphalt (Type A)	974	Ton	\$110.00	\$ 107,158
5	Drainage	1	LS	\$54,300.00	\$ 54,300
6	Striping	2460	LF	\$8.00	\$ 19,680
7	Signage	1	LS	\$3,000.00	\$ 3,000
<b>Subtotal:</b>					\$ 348,253
<b>Construct parking lot</b>					
8	Earthwork	52000	SF	\$2.00	\$ 104,000
9	Geotextile fabric	52000	SF	\$1.00	\$ 52,000
10	ASTM No. 57 (drain rock) base	3852	CY	\$65.00	\$ 250,370
11	Pervious concrete	52000	SF	\$8.00	\$ 416,000
12	Concrete curb (edge restraint)	920	LF	\$7.00	\$ 6,440
13	Stripe parking lot	52000	SF	\$0.50	\$ 26,000
14	Signage	1	LS	\$2,000.00	\$ 2,000
<b>Subtotal:</b>					\$ 856,810
15	Temporary traffic control	1	LS	\$30,100.00	\$ 30,100
16	Prepare Water Pollution Control Plan	1	LS	\$6,000.00	\$ 6,000
17	Mobilization	1	LS	\$ 124,100.00	\$ 124,100

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 1,241,000

**Project Number**

**4**

Planning Engineering (TE)	\$ 125,000	Contract Items	\$ 1,365,100
Preliminary Engineering (Design/Survey)*	\$ 205,000	Other Costs (CON)	\$ 205,000
Utility Coordination (Design)	\$ 120,506	Contingency*	\$ 205,000
Environmental (Environmental, Real Property)	\$ 120,506	Subtotal (Contract Items)	\$ 1,775,100
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ 125,000
Real Property Labor	\$ -	Subtotal (PE)	\$ 446,013
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ 205,000		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 776,013</b>	<b>Grand Total</b>	<b>\$ 2,346,113</b>

\* Preliminary Engineering is minimum 15% of contract items. (See Issues to Consider)

\* Construction Engineering is 15% of contract items. (\$20,000 min.)

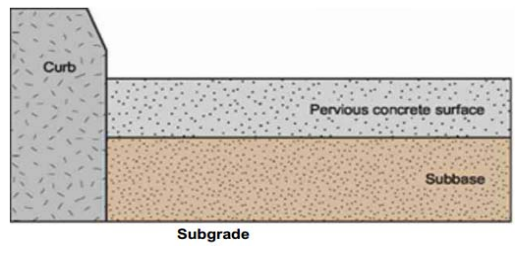
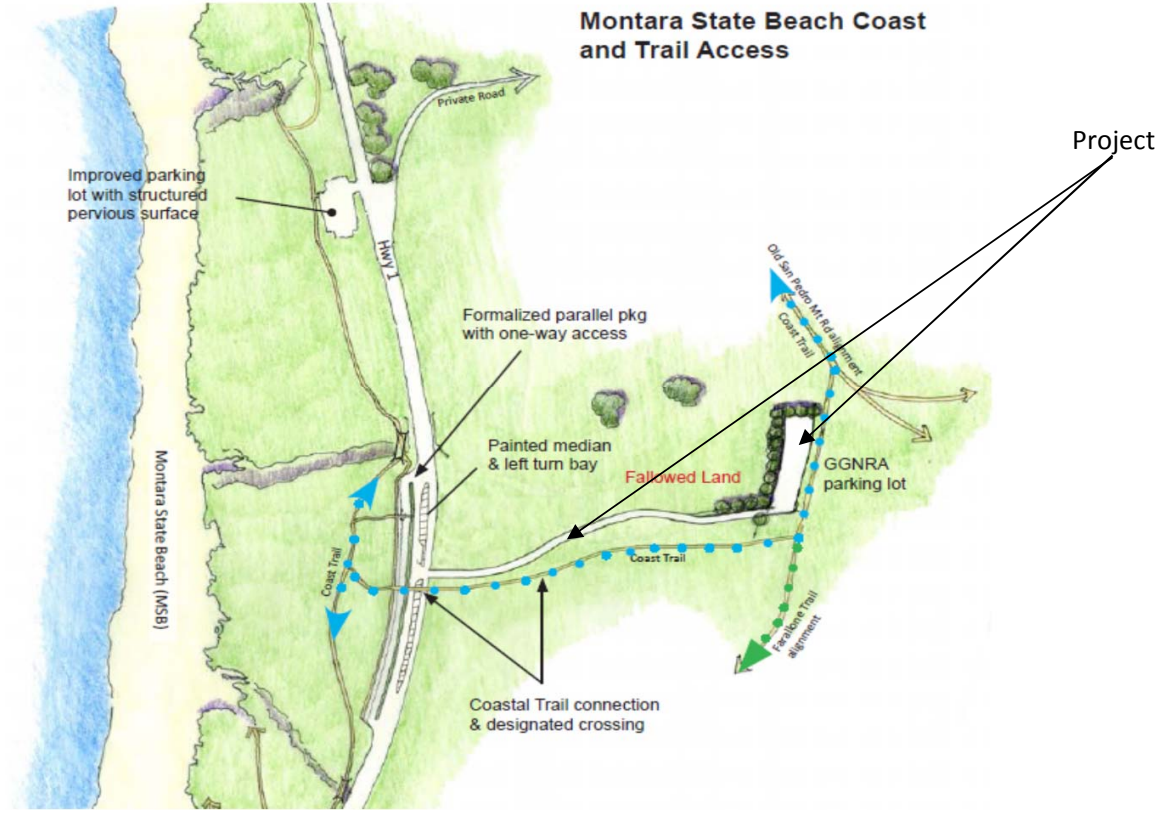
\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$2,346,000**



**Project 4: Rancho Corral de Tierra Parking Lot**





- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** Carlos Street On-Street Parking

**Project Location:** Carlos Street from Etheldore Street to California Avenue in Moss Beach

**Description** The project would stripe formal diagonal parking and parallel parking along Carlos Street, which functions as Moss Beach's main street. This parking project is a companion to a roadway project which would construct a continuous sidewalk along the north side of the roadway, stripe crosswalks at the interesection of Carlos and California, and construct curb and gutter along the south side of the roadway.

**Project Length (ft):** 490

**Date of Estimate:** Feb. 23, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
1	Stripe diagonal parking	560	LF	\$3.00	\$ 1,680
2	Stripe parallel parking	490	LF	\$3.00	\$ 1,470
3	Construction area Signs	1	LS	\$1,000.00	\$ 1,000
4	Mobilization	1	LS	\$ 400.00	\$ 400

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 4,000

**Project Number 5**

Planning Engineering (TE)	\$ -	Contract Items	\$ 4,400
Preliminary Engineering (Design/Survey)*	\$ 20,000	Other Costs (CON)	\$ -
Utility Coordination (Design)	\$ -	Contingency*	\$ 10,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 14,400
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 20,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 20,000</b>		
		<b>Grand Total</b>	<b>\$ 34,400</b>

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 34,000**

**Project 5: Carlos Street On-Street Parking**



Stripe diagonal and parallel parking

- Click here if the project schedule for this project is to be 50 days or more; also click here if this is a bridge project.
- Click here if this project is a surface treatment or overlay project.

**Project Name:** El Granada Diagonal Parking

**Project Location:** Current SR-1 alignment from Coronado Street to Capistrano Road

**Description**

This project would stripe diagonal parking along the current alignment of SR-1. This parking project is a companion project to a roadway project which proposes to realign Highway 1, shifting the roadway toward the eastern edge of the Caltrans right-of-way, and away from the coastal erosion area. Another roadway project would also construct two roundabouts at the intersections of SR-1 and Coronado Street and SR-1 and Capistrano Road.

**Project Length (ft):** 4300

**Date of Estimate:** Feb. 23, 2015

**Prepared by:** T. Krakow

Revision No.
Revision Date
Revised by

No.	Description	Quantity	Units	Unit Cost	Total
<b>Construct New SR-1 Alignment (between Coronado St Roundabout and Capistrano Rd Roundabout)</b>					
1	Stripe diagonal parking	4000	LF	\$3.00	\$ 12,000
2	Construction area signs	1	LS	\$1,000.00	\$ 1,000
3	Mobilization	1	LS	\$ 1,300.00	\$ 1,300

CONTRACT ITEMS LESS MOBILIZATION (TO NEAREST 1,000) \$ 13,000

**Project Number**

**6**

Planning Engineering (TE)	\$ -	Contract Items	\$ 14,300
Preliminary Engineering (Design/Survey)*	\$ 30,000	Other Costs (CON)	\$ -
Utility Coordination (Design)	\$ -	Contingency*	\$ 10,000
Environmental (Environmental, Real Property)	\$ -	Subtotal (Contract Items)	\$ 24,300
R/W Engineering (Survey)	\$ -	Subtotal (Plan)	\$ -
Real Property Labor	\$ -	Subtotal (PE)	\$ 30,000
R/W Acquisition	\$ -	Subtotal (R/W)	\$ -
Construction Engineering *	\$ -		
Environmental Monitoring and Mitigation Fees	\$ -		
<b>SUBTOTAL of OTHER COSTS (ALL)</b>	<b>\$ 30,000</b>		
		<b>Grand Total</b>	<b>\$ 54,300</b>

\* CONTINGENCY is 15% of contract items. (\$10,000 min.)

Current Year	2015
Escalation Year	2015
Escalation Rate	0.0%

**> TOTAL (in 2015 dollars) \$ 54,000**

### Project 6: El Granada Diagonal Parking

