



NFWF

# Surfer's Beach Access and Erosion Control: Final Programmatic Report (Amended)

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*Recipient Organization/Agency: San Mateo County Department of Parks*

*Date Submitted: July 13, 2015*

*Project Period: 6/01/2013 to 9/30/2015*

*Award Amount: \$180,000*

*Matching Contributions: \$20,000*

*Total Disbursement: \$180,000*

*Project Number: #8006.12.033060*

## **1. Summary of Accomplishments**

San Mateo County Parks is pleased to report that the Surfer's Beach Access and Erosion Control Project is fully complete. The Project resulted in (1) design, environmental review, and permitting for a new 400'-long section of the California Coastal Trail; (2) a safe Class II Bikeway that is separated by a barrier curb from Highway 1 traffic; (3) restored safe public beach access from CA Coastal Trail/Highway 1 to Surfer's Beach; and (4) controlled shoreline erosion through beach access improvements to the embankment alongside the Coastal Trail/ Highway 1.

Once built, cyclists, pedestrians, parents pushing strollers and individuals using mobility devices will have a safe, direct trail connecting Mirada Surf County Park along a new segment of California Coastal Trail separated from automobile traffic. Shoreline erosion will be controlled through embankment and beach access improvements. A staircase will bring beach goers, surfers from the Coastal Trail to Surfer's Beach in a safe way without impacts to the shoreline.

## **2. Project Activities & Outcomes**

### **Activities**

The primary project activities were the design and plans for the Surfer's Beach Access and Erosion Control using a Cosco Busan Recreational Use Program Grant and San Mateo County Midcoast Park Development Trust Funds. The project was scoped to repair and improve a popular coastal recreational trail, a heavily-used access ramp into the bay and associated embankment repairs. The Project resulted in (1) design, environmental review, and permitting for a new 400'-long section of the Coastal Trail; (2) a safe Class II Bikeway that is separated by a barrier curb from Highway 1 traffic; (3) restored safe public beach access from CA Coastal Trail/Highway 1 to Surfer's Beach; and (4) controlled shoreline erosion through beach access improvements to the embankment alongside the Coastal Trail/Highway 1.

Construction is anticipated to begin this fall and last 40 working days with completion by December 7, 2015. The construction acknowledgment sign will include logos for all the funders.

### **Benefits**

The project is 100% complete. All recreational benefits are achieved as trail, beach access stairway, and embankment have been designed and planned.

Additional benefits have resulted from various agency partners working together throughout the scoping and development of the project. The two landowners, City of Half Moon Bay and California Department of Transportation (Caltrans) and San Mateo County have contributed the funds needed for the upcoming construction the project. Caltrans will overseeing all aspects of the construction project which includes bid advertisement and award, construction management, and construction inspections. Once the project is fully constructed, San Mateo County Parks will operate the trail and City of Half Moon Bay and Caltrans will manage the staircase and embankment.

### **3. The Future**

The next phase of the project is construction of the Surfer's Beach Access and Erosion Control Project. Construction of the California Coastal Trail, access stairs to Surfer's Beach and the embankment protecting the Coastal Trail/Highway 1 will take place. Caltrans will manage all aspects of the construction of the project using their funds as well as \$100,000 from City of Half Moon Bay, and \$300,000 from San Mateo County.

The future of this project is to maintain the shoreline levee, recreation trail, and access ramps. Mirada Surf County Park Rangers will maintain the trail per the design specifications and Park Department standards.

### **4. Lessons Learned**

As we began working with our partners, the project grew larger to accommodate additional goals. The larger project includes desired features. Some wetland habitat will be restored and additional shoreline will be protected. The community has had numerous opportunities to provide input and have complimented the partners upon their collaborative efforts.

### **5. Project Documents**

- Title and Location Map from Construction Plans and information from 95% Cost Estimate included below.

***POSTING OF FINAL REPORT:*** *This report and attached project documents may be shared by the Foundation and any Funding Source for the Project via their respective websites. In the event that the Recipient intends to claim that its final report or project documents contains material that does not have to be posted on such websites because it is protected from disclosure by statutory or regulatory provisions, the Recipient shall clearly mark all such potentially protected materials as "PROTECTED" and provide an explanation and complete citation to the statutory or regulatory source for such protection.*

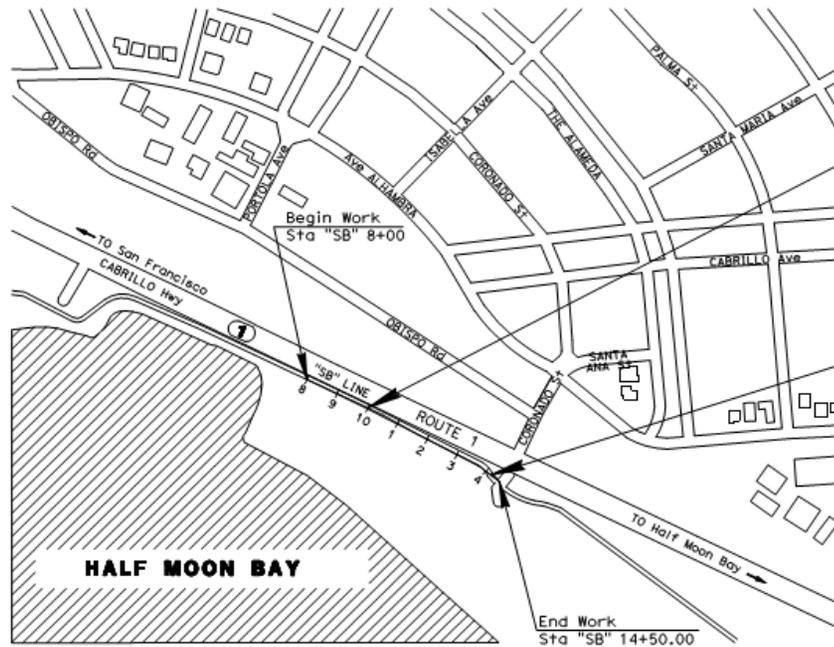
INDEX OF PLANS

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2	TYPICAL CROSS SECTIONS
3-4	LAYOUTS
5	PROFILE AND SUPERELEVATION DIAGRAM
6-10	CONSTRUCTION DETAILS
11-13	WATER POLLUTION CONTROL PLAN AND QUANTITIES
14	EROSION CONTROL LEGEND
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STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY  
IN SAN MATEO COUNTY  
IN EL GRANADA NEAR HALF MOON BAY  
FROM 0.2 MILE WEST TO  
CORONADO STREET INTERSECTION**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SM	1	32.0/32.2	1	26



**BEGIN CONSTRUCTION**  
Sta "SB" 10+00 PM 32.1

**END CONSTRUCTION**  
Sta "SB" 14+16.78 PM 32.0

End Work  
Sta "SB" 14+50.00

NO SCALE

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

PROJECT ENGINEER: *Grant Wilcox* DATE: 4/23/15  
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE: 4/23/15  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
GRANT M. WILCOX  
No. 49875  
Exp. 09/30/16  
CIVIL  
STATE OF CALIFORNIA

18500 ALPINE ROAD  
SOLTEC CREEK, CA 94596  
COUNTY OF SAN MATEO  
350 COUNTY CENTER  
REDWOOD CITY, CA 94063

CONTRACT No. **04-1J9501**  
PROJECT ID **0414000286**

Image 1: Title and Location Map from Construction Plans.



BID ITEMS LIST

04140028601 Surfer's Beach Shoreline Protection Project  
 FOR REFERENCE ONLY  
 95% PS&E Cost Estimate  
 March 20, 2015

Item No.	Item Code	Item Description	Unit of Measure	Total Estimated Quantity	Unit Price	Item Total
1	66595	Water Pollution Control Maintenance Sharing	Lump Sum	1	\$1,100.00	\$1,100
2	70012	Progress Schedule (Critical Path Method)	Lump Sum	1	\$2,000.00	\$2,000
3	71321	Temporary Fence (Type CL-6)	LF	580	\$30.00	\$17,400
4	71325	Temporary Fence (Type ESA)	LF	450	\$5.00	\$2,300
5	74016	Construction Site Management	Lump Sum	1	\$30,000.00	\$30,000
6	74017	Prepare Water Pollution Control Program	Lump Sum	1	\$1,100.00	\$1,100
7	74033	Temporary Construction Entrance	EA	2	\$3,000.00	\$6,000
8	74041	Street Sweeping	Lump Sum	1	\$6,000.00	\$6,000
9	74051	Temporary Hydraulic Mulch	SQYD	165	\$2.00	\$300
10	120090	Construction Area Signs	Lump Sum	1	\$5,000.00	\$5,000
11	129000	Temporary Railing (Type K)	LF	620	\$50.00	\$31,000
12	152391	Relocate Roadside Sign (Metal Post)	EA	3	\$300.00	\$900
13	160102	Clearing and Grubbing	Lump Sum	1	\$50,000.00	\$50,000
14	190101	Roadway Excavation	CY	650	\$120.00	\$78,000
15	203002	Erosion Control (Compost Blanket)	SQFT	1450	\$2.00	\$2,900
16	203031	Erosion Control (Hydroseed)	SQFT	1450	\$100.00	\$145,000
17	203034	Rolled Erosion Control Product (Netting)	SQFT	1450	\$2.00	\$2,900
18	204017	Plant (Group W) (Willow Cutting)	EA	20	\$150.00	\$3,000
19	260201	Class 2 Aggregate Base	CY	76	\$90.00	\$6,800
20	390132	Hot Mix Asphalt (Type A)	Ton	85	\$175.00	\$14,900
21	510050	Structural Concrete	CY	6	\$1,700.00	\$10,200
22	570120	Treated Lumber and Timber	MFBM	2	\$9,000.00	\$18,000
23	720103	Rock Slope Protection (2-Ton, Method A)	CY	950	\$300.00	\$285,000
24	721010	Rock Slope Protection (Backing No. 1, Method B)	CY	350	\$250.00	\$87,500
25	729010	Rock Slope Protection Fabric	SQYD	6500	\$10.00	\$65,000
26	750001	Miscellaneous Iron and Steel	LB	50	\$3.00	\$200
27	869042	Adjust Pull Box	EA	2	\$1,000.00	\$2,000
28	999990	Mobilization	Lump Sum	1	\$80,000.00	\$80,000
TOTAL						\$954,500