

**ENGINEER'S ROUGH ORDER OF MAGNITUDE**

**DE LONG STREET: SANTA CRUZ AVENUE TO SAN DIEGO AVENUE**

Date: 02/2022

Bid Item	Bid Item Description	Estimated Quantity	Unit*	Unit Price	Extension
<b>ROADWAY WORK</b>					
R-1	TRAFFIC CONTROL FOR ROADWAY WORK	-	LS	-	\$ 20,500.00
R-2	TEMPORARY RETROFLECTIVE PAVEMENT MARKINGS	400	LF	\$ 3.00	\$ 1,200.00
R-3	FULL DEPTH PLANING PER 2-INCH DEPTH OF CUT	12,500	SF	\$ 2.00	\$ 25,000.00
R-4	HOT MIX ASPHALT (Type A 1/2-Inch Maximum with Medium Grading)	196	TON	\$ 250.00	\$ 49,000.00
R-5	8-INCH THICK CONCRETE BASE	460	SF	\$ 25.00	\$ 11,500.00
R-6	3 1/2-INCH THICK CONCRETE SIDEWALK	300	SF	\$ 25.00	\$ 7,500.00
R-7	COMBINED 6-INCH WIDE CONCRETE CURB AND 2-FOOT WIDE CONCRETE GUTTER	65	LF	\$ 100.00	\$ 6,500.00
R-8	CONCRETE CURB RAMP WITH CONCRETE DETECTABLE SURFACE TILES	2	EA	\$ 5,000.00	\$ 10,000.00
R-9	HMA SPEED HUMP/CUSHION	1	EA	\$ 15,000.00	\$ 15,000.00
R-10	ADJUST CITY-OWNED MANHOLE FRAME AND COVER AND CATCH BASIN FRAME AND GRATE TO GRADE (CONTINGENCY BID ITEM)**	5	EA	\$ 500.00	\$ 2,500.00
R-11	ADJUST CITY-OWNED HYDRANT AND WATER MAIN VALVE BOX CASTING COVER TO GRADE (CONTINGENCY BID ITEM)**	5	EA	\$ 500.00	\$ 2,500.00
R-12	RECONSTRUCT CITY-OWNED HYDRANT AND WATER MAIN VALVE BOX CASTING COVER TO GRADE (CONTINGENCY BID ITEM)**	5	EA	\$ 750.00	\$ 3,750.00
R-13	MOBILIZATION FOR PAVING WORK (MAXIMUM 3% OF THE SUM OF BID ITEMS R-1 THROUGH R-12 ABOVE)	-	LS	-	\$ 4,000.00
R-14	DEMOBILIZATION FOR PAVING WORK (MAXIMUM 2% OF THE SUM OF BID ITEMS R-1 THROUGH R-12 ABOVE)	-	LS	-	\$ 3,000.00
<b>SUM OF R-BID ITEMS</b>					<b>\$ 161,950.00</b>
CONTINGENCY (15%)					\$ 24,292.50
<b>CONSTRUCTION (SUM OF R-BID ITEMS &amp; CONTINGENCY)</b>					<b>\$ 186,242.50</b>
Surveying/Planning/Engineering Design Cost					\$ 48,000.00
QAQC-SAR/Regulatory Affairs/DAC Support Fees					\$ 7,500.00
Construction Management/Engineering Support Cost					\$ 28,000.00
<b>SUM OF SOFT COSTS</b>					<b>\$ 83,500.00</b>
<b>PROJECT COSTS (SUM OF CONSTRUCTION AND SOFT COSTS)</b>					<b>\$ 269,742.50</b>

Assumptions/Exclusions:

Excludes private utility relocations and/or adjustments

Assume Traffic Control to be 10% of construction costs

Excludes Photometric Analysis/Illumination Study and associated street lighting improvement work, if any necessary

Excludes BSM services (block/lot reassignment, Public ROW establishment, Q Map, sidewalk legislation (if necessary))

Assumed that special handling and disposal of excavated materials is not needed, and therefore, associated costs have not been included

\*AL = Allowance, CY = Cubic Yards, EA = Each, LF = Linear Feet  
LS = Lump Sum, SF = Square Feet, TON = Tons

# BSM FY 2022-23: Cost Estimate

\*Total ("fully loaded") cost includes budgeted Top Step Salary, Estimated Mandatory Fringe Benefits and Overhead cost. Does not include Overtime or Special Pay/ Premium costs.

Job Class	Job Title	Top Step Hourly Rate	Hours	*Total
5174	Administrative Engineer	\$ 95.49	40.00	\$ 11,796
5216	Chief Surveyor	\$ 86.35	80.00	\$ 21,334
5216	Chief Surveyor	\$ 86.35	8.00	\$ 2,133
5216	Chief Surveyor	\$ 86.35	4.00	\$ 1,067
5314	Survey Associate	\$ 62.51	16.00	\$ 3,089
0941	Manager VI	\$ 107.93	8.00	\$ 2,666
5314	Survey Associate	\$ 62.51	8.00	\$ 1,544
5310	Survey Assistant I	\$ 48.28	12.00	\$ 1,789
5314	Survey Associate	\$ 62.51	8.00	\$ 1,544
5314	Survey Associate	\$ 62.51	4.00	\$ 772
5216	Chief Surveyor	\$ 86.35	8.00	\$ 2,133
5314	Survey Associate	\$ 62.51	32.00	\$ 6,178
5312	Survey Assistant II	\$ 54.26	32.00	\$ 5,363
5312	Survey Assistant II	\$ 54.26	32.00	\$ 5,363
	Planning Dept			\$ 4,629
	Additional Costs			\$ 1,000

**TOTAL \$ 72,402**

Note: Overhead Rates subject to revision following full implementation of November 8, 2022 Prop B ballot measure.



DE LONG STREET

478'

(E) BART TRACKS

(E) FENCE

(E) BACK OF SIDEWALK

RECONSTRUCT SPEED HUMP PER SFMTA  
STANDARD PLAN STR-7687, REV. 3

SAN DIEGO AVENUE

SANTA CRUZ AVENUE

LEGEND

- APPROXIMATE LOCATIONS OF LOW PRESSURE FIRE HYDRANT
- APPROXIMATE LOCATIONS OF WOODEN POLE WITH STREET LIGHT



**CONCEPTUAL**  
NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

THIS DRAWING WAS LAST MODIFIED: 02/11/22 BY 93.1" H/ave

REFERENCE SPECIFICATION & FILE NO. OF SURVEYS



**PUBLIC WORKS**  
BUREAU OF ENGINEERING  
CITY & COUNTY OF SAN FRANCISCO  
SAN FRANCISCO PUBLIC WORKS  
710 SOUTH VAN NESS AVENUE, SUITE 600  
SAN FRANCISCO, CA 94140

Project Engineer: Mgr	Code
Designer: Bureau Mgr	
Checker: Bureau Mgr	

DESIGNED: DATE	02/22
DRAWN: DATE	02/22
CHECKED: DATE	

SCALE	1" = 20'
SHEET OF SHEETS	

DE LONG STREET  
SAN DIEGO AVENUE TO SANTA CRUZ AVENUE  
PAVEMENT PLAN

CONTRACT NO.	
DRAWING NO.	R-1
FILE NO.	
DATE	

Drawing Path: C:\Users\Bjorn\Documents - CSF\PROJECTS - PROJECTS - De Long St - Santa Cruz Ave to San Diego Ave\02-2022\02-2022 Plan Layout.dwg  
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 User: Bjorn  
 Title: DE LONG STREET  
 Project: Santa Cruz Ave to San Diego Ave  
 Date: 02/22/22  
 Scale: 1" = 20'  
 Sheet: R-1  
 File: 02-2022-02-2022 Plan Layout.dwg  
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