

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
ROADWAY WORK					
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
SUM OF R-BID ITEMS					\$ 161,950.00
CONTINGENCY (15%)					\$ 24,292.50
CONSTRUCTION (SUM OF R-BID ITEMS & CONTINGENCY)					\$ 186,242.50
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
SUM OF SOFT COSTS					\$ 83,500.00
PROJECT COSTS (SUM OF CONSTRUCTION AND SOFT COSTS)					\$ 269,742.50

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				

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 94108

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 Title: DE LONG STREET - SAN DIEGO AVENUE TO SANTA CRUZ AVENUE PAVEMENT PLAN
 File Name: 11 Feb 2022 - 1449p
 Drawing Path: C:\Users\Bjorn\Documents - CSF\PROJECTS - PROJECTS - DE LONG ST - Santa Cruz Ave to San Diego Ave\110222\110222_Plan_Locals_House
 Drawing Author: Bjorn
 Drawing Date: 02/22/2022
 Drawing Scale: 1" = 20'
 Drawing Title: DE LONG STREET - SAN DIEGO AVENUE TO SANTA CRUZ AVENUE PAVEMENT PLAN
 Drawing No: R-1
 File No:
 Date: