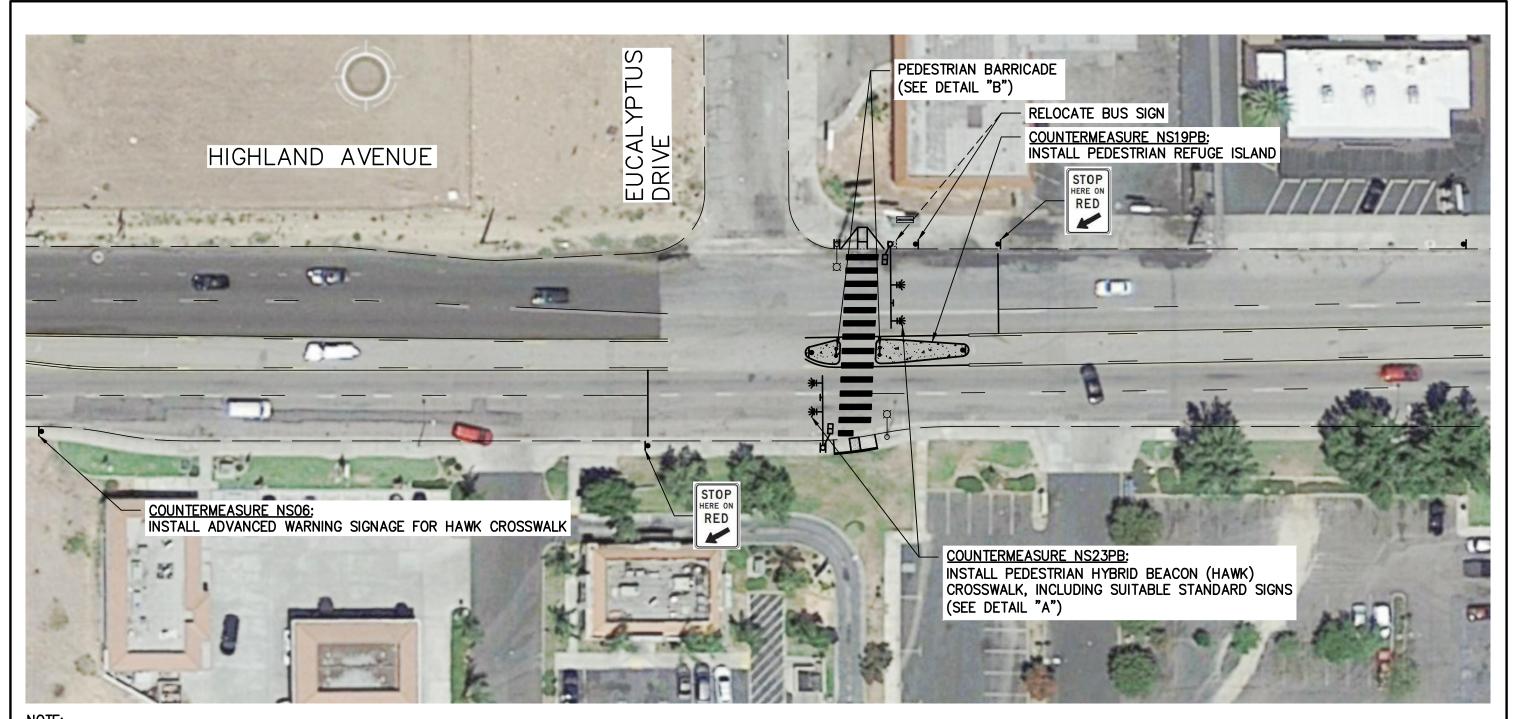


CITY OF SAN BERNARDINO

KENDALL DRIVE BETWEEN UNIVERSITY PARKWAY AND H STREET

PRELIMINARY ENGINEER'S COST ESTIMATE

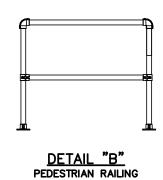
COUNTER MEASURE	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	ITEM TOTAL	
	CIVIL	QUANTITY	WEASURE	PRICE		
,	Demo/unclassified excavation	130	CY	\$350	\$45,500	
, [Native fill	115	CY	\$60	\$6,900	
R34PB	Install curb and gutter	800	LF	\$65	\$52,000	
ļ	Install 4" PCC sidewalk	4,794	SF	\$15	\$71,910	
ļ	Install curb ramp	2	EA	\$6,500	\$13,000	
		COUN	TERMEASURE	SUBTOTAL	\$189,310	
	SIGNING AND STRIPING					
	Remove striping	3,715	LF	\$1	\$3,715	
NS21PB	Install limit line striping	1,051	LF	\$3	\$3,153	
	Install white continental crosswalk	5,547	SF	\$4	\$22,188	
	Install yellow continental crosswalk	2,616	SF	\$4	\$10,464	
		COUN	TERMEASURE	SUBTOTAL	\$39,520	
	TRAFFIC SIGNAL					
ŀ		1	LS	\$500,000	\$500,000	
14303	Install new traffic signal	1 COUN	TERMEASURE		\$500,000	
		20014	TERMEASORE	JOBIOTAL	\$300,000	
	SIGNING AND STRIPING					
ŀ	Remove striping	57,941	LF	\$1.00	\$57,941	
	Remove pavement marking	32	EA	\$300	\$9,600	
H	Install striping (solid)	23,341	LF	\$1.40	\$32,677	
	Install striping (dashed)	15,870	LF	\$1.80	\$28,566	
P	Install striping (double yellow)	11,815	LF	\$2.20	\$25,993	
P	Install green conflict zone striping	5,291	LF	\$15	\$79,365	
R33PB	Install pavement marking	134	EA	\$500	\$67,000	
, İ	Remove sign and post (R1-1 at 3rd Ave)	1	EA	\$150	\$150	
	Install sign panel and post	20	EA	\$550	\$11,000	
Ī	Install sign panel - R2-1(40)	4	EA	\$500	\$2,000	
Ī	Remove sign panel - R2-1(50)	4	EA	\$50	\$200	
	Install K71-Type bollard delineator	332	EA	\$225	\$74,700	
	Install red curb	415	LF	\$2	\$830	
		COUN	TERMEASURE	SUBTOTAL	\$390,022	
	CIVIL	1				
ŀ	Demo/unclassified excavation	10	CY	\$350	\$3,500	
H	Native fill	10	CY	\$60	\$600	
P	Install curb only	102	LF	\$50	\$5,100	
ŀ	Install 4" PCC sidewalk	407	SF	\$15	\$6,105	
ŀ	SIGNING AND STRIPING	20	15	¢1	¢20	
H	Remove striping Remove pavement marking	30	LF EA	\$1 \$300	\$30 \$300	
ŀ	Install limit line	12	LF	\$3.50	\$300	
H	Install pavement marking	12	EA	\$5.30	\$500	
, <u> </u>			TERMEASURE		\$16,177	
COOKI ERWEAJORE SUBIOTAL						
		TC	OTAL FOR BAS	E BID ITEMS	\$1,135,029	
MOBILIZATION & DEMOBILIZATION					\$113,503	
TRAFFIC CONTROL, PUBLIC CONVENIENCE AND SAFETY					\$50,000	
CONSTRUCTION SURVEY AND MONUMENTATION					\$20,000	
FINAL DESIGN					\$120,000	
CONSTRUCTION MANAGEMENT AND INSPECTION					\$80,840	
PROJECT MANAGEMENT					\$113,503	
STORM WATER BEST MANAGEMENT PRACTICES (BMPs)					\$120,000	
	STORM	T WATER BEST WATER				
	STORM	T WATER BEST WATER OF		NTINGENCY	\$525,863	
		LATION ADJUSTMENT	30% CO	NTINGENCY	\$525,863 \$442,194	

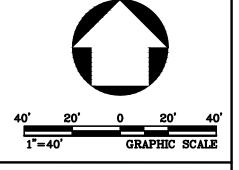


NO IE:

ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN AND PEDESTRIAN PUSH BUTTONS SHALL BE ADA-COMPLIANT.









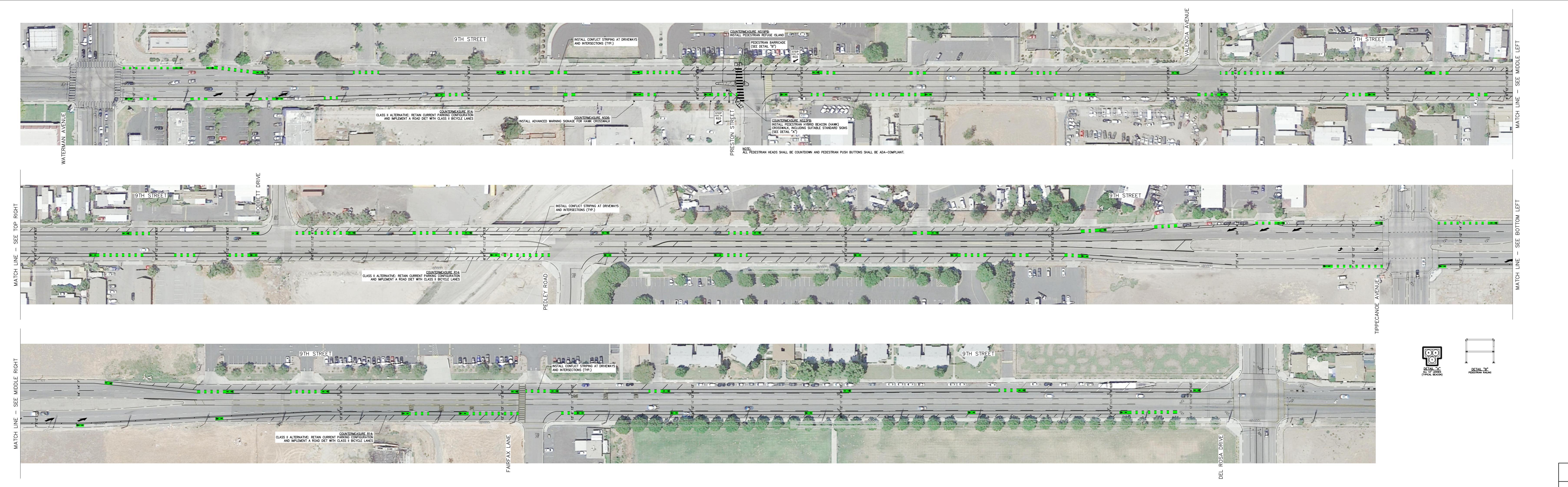
CITY OF SAN BERNARDINO, CALIFORNIA

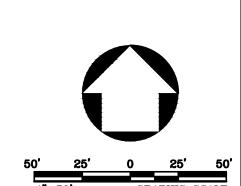
CONCEPT PLAN-COUNTER MEASURES
HIGHLAND AVENUE AND EUCALYPTUS DRIVE

CITY OF SAN BERNARDINO

HIGHLAND AVENUE AND EUCALYPTUS DRIVE PRELIMINARY ENGINEER'S COST ESTIMATE

COUNTER		ESTIMATED	UNIT OF	UNIT			
MEASURE	ITEM DESCRIPTION	QUANTITY	MEASURE	PRICE	ITEM TOTAL		
	TRAFFIC SIGNAL (HAWK)						
	Install Type 332 cabinet with 2070 controller complete	1	EA	\$25,000	\$25,000		
	Install Type III-BF service pedestal complete	1	EA	\$10,000	\$10,000		
	Install Type 19 standard and foundation complete	1	EA	\$12,000	\$12,000		
	Install Type 24 standard and foundation complete	1	EA	\$17,000	\$17,000		
	Install 30' mast arm complete	1	EA	\$3,600	\$3,600		
	Install 35' mast arm complete	1	EA	\$4,200	\$4,200		
NS23PB	Install 3-12" LED vehicle head with mounting	4	EA	\$1,200	\$4,800		
	Install Type B pedestrian push button	2	EA	\$750	\$1,500		
	Install LED countdown pedestrian head with mounting	2	EA	\$1,600	\$3,200		
	Install sign on mast arm	2	EA	\$800	\$1,600		
	Install sign on pole	4	EA	\$250	\$1,000		
	SIGNING AND STRIPING	•		4230	4.7000		
	Relocate bus sign	1	EA	\$250	\$250		
	I content of the state of the s	COUN			\$84,150		
	COUNTERMEASURE SUBTOTAL SIGNING AND STRIPING						
	Remove striping	310	LF	\$1	\$310		
	Install striping	172	LF	\$3.00	\$516		
OTHER	Install white continental crosswalk	980	SF	\$4.00	\$3,920		
OTTLER	CIVIL	500	31	¥ 1 .00	Ψ3,320		
	Install curb ramp	2	EA	\$6,500	\$13,000		
	inistan curb ramp			SUBTOTAL	\$17,746		
			OTTIEN.	JODIOTAL	\$17,740		
	CIVIL						
	Demo/unclassified excavation	10	CY	\$350	\$3,500		
	Native fill	52	CY	\$60	\$3,300		
NS19PB	Install curb only			\$50	\$6,500		
		130	LF				
	Install sidewalk	175	SF TERMEASURE	\$15	\$2,625		
	en u	COUN	TERMEASURE	SUBTUTAL	\$15,745		
OTHER	CIVIL	40		4005	40.700		
OTHER	Install tubular hand railing	12	LF	\$225	\$2,700 \$2,700		
	OTHER SUBTOTAL						
	T						
	SIGNING AND STRIPING						
NS06	Install sign panel and post	4	EA	\$550	\$2,200 \$2,200		
	COUNTERMEASURE SUBTOTAL						
					\$122,541		
TOTAL FOR BASE BID ITEMS							
MOBILIZATION & DEMOBILIZATION							
TRAFFIC CONTROL, PUBLIC CONVENIENCE AND SAFETY							
CONSTRUCTION SURVEY AND MONUMENTATION							
FINAL DESIGN							
CONSTRUCTION MANAGEMENT AND INSPECTION PROJECT MANAGEMENT							
PROJECT MANAGEMENT							
STORM WATER BEST MANAGEMENT PRACTICES (BMPs) 30% CONTINGENCY							
18% INFLATION (3% PER YEAR @ 6 YEARS)							
GRAND TOTAL							





CITY OF SAN BERNARDINO, CA

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CONCEPT PLAN—COUNTER ME
9TH STREET
BETWEEN WATERMAN AVENUE AND DI

CITY OF SAN BERNARDINO 9TH STREET BETWEEN WATERMAN AVENUE AND DEL ROSA AVENUE PRELIMINARY ENGINEER'S COST ESTIMATE

PRELIIVIIINARY EINGINEER 3 CO31 E311WATE						
COUNTER MEASURE	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	ITEM TOTAL	
THE STATE OF THE	TRAFFIC SIGNAL (HAWK)					
	Install Type 332 cabinet with 2070 controller complete	1	EA	\$25,000	\$25,000	
	Install Type III-BF service pedestal complete	1	EA	\$10,000	\$10,000	
	Install Type 1-A standard and foundation complete	1	EA	\$3,650	\$3,650	
	Install Type 19 standard and foundation complete	2	EA	\$12,000	\$24,000	
NS23PB	Install 25' mast arm complete	2	EA	\$3,300	\$6,600	
NS23PB	Install 3-12" LED vehicle head with mounting	2	EA	\$1,200	\$2,400	
	Install Type B pedestrian push button	2	EA	\$750	\$1,500	
	Install LED countdown pedestrian head with mounting	2	EA	\$1,600	\$3,200	
	Install sign on mast arm	2	EA	\$800	\$1,600	
	Install sign on pole	4	EA	\$250	\$1,000	
	COUNTERMEASURE SUBTOTAL					
	SIGNING AND STRIPING					
	Remove striping	480	LF	\$1	\$480	
	Install striping	25	LF	\$3	\$75	
OTHER	Install yellow continental crosswalk	290	SF	\$4	\$1,160	
	CIVIL					
	Install curb ramp	2	EA	\$6,500	\$13,000	
			OTHER	SUBTOTAL	\$14,715	
	CIVIL					
	Demo/unclassified excavation	9	CY	\$350	\$3,150	
NS19PB	Native fill	6	CY	\$60	\$360	
143131 5	Install curb only	120	LF	\$50	\$6,000	
	Install sidewalk	322	SF	\$15	\$4,830	
		COUNT	TERMEASURE	SUBTOTAL	\$14,340	
	CIVIL					
OTHER	Install tubular hand railing	12	LF	\$225	\$2,700	
			OTHER	SUBTOTAL	\$2,700	
	SIGNING AND STRIPING			1		
NS06	Install sign panel and post	2	EA	\$550	\$1,100	
		COUNT	\$1,100			
	SIGNING AND STRIPING					
	Remove pavement marking	21	EA	\$300		
	Remove striping	17,975	LF	\$1	\$17,975	
R14	Install pavement marking	70	EA	\$500		
	Install striping	37,240	LF	\$3		
	Install green conflict zone striping	2,770	LF	\$15	\$41,550	
	Install sign panel and post	11 COUNT	EA	\$550	\$6,050 \$212,545	
	COUNTERMEASURE SUBTOTAL					
TOTAL FOR BASE BID ITEMS						
MOBILIZATION & DEMOBILIZATION TRAFFIC CONTROL PURPLE CONTROL PURPLE AND CASETY					\$31,001	
TRAFFIC CONTROL, PUBLIC CONVENIENCE AND SAFETY					\$12,000	
CONSTRUCTION SURVEY AND MONUMENTATION					\$5,000	
FINAL DESIGN					\$55,000	
CONSTRUCTION MANAGEMENT AND INSPECTION					\$28,200	
PROJECT MANAGEMENT					\$31,001	
STORM WATER BEST MANAGEMENT PRACTICES (BMPs)					\$120,000 \$177,664	
	30% CONTINGENCY					
	18% INFLATION (3% PER YEAR @ 6 YEARS)				\$149,396	
GRAND TOTAL					\$919,272	