

OPINION OF PROBABLE IMPROVEMENT COSTS

GOLDEN STATE CORRIDOR ECONOMIC DEVELOPMENT INFRASTRUCTURE IMPROVEMENTS



August 2011



Quad Knopf

**GOLDEN STATE CORRIDOR
ECONOMIC DEVELOPMENT
INFRASTRUCTURE IMPROVEMENTS**

OPINION OF PROBABLE IMPROVEMENT COSTS

Prepared for:

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Golden State Corridor Opinion of Probable Improvement Costs

Item		Quantity	Unit		Unit Cost	Project Total		Fowler		Selma		Kingsburg		
SITE PREPARATION														
1)	A	Mobilization / Permits / Demobilization	N/A	%	@	10.0%	\$3,847,891	6.0%	\$1,667,044	6.0%	\$1,120,235	6.0%	\$1,060,611	6.0%
1)	B	Temporary Facilities	N/A	%	@	10.0%	\$3,846,356	6.0%	\$1,667,044	6.0%	\$1,118,700	6.0%	\$1,060,611	6.0%
1)	C	Existing Building / Structure Demolition	2	EA	@	\$50,000	\$100,000	0.2%	\$0	0.0%	\$0	0.0%	\$100,000	0.6%
1)	D	Existing Concrete Demolition	9,966	SF	@	\$2.00	\$19,932	0.0%	\$18,480	0.1%	\$0	0.0%	\$1,452	0.0%
1)	E	Existing Curb and Gutter Demolition	100	LF	@	\$3.00	\$300	0.0%	\$300	0.0%	\$0	0.0%	\$0	0.0%
1)	F	Existing Roadway Demolition	1,093,336	SF	@	\$1.16	\$1,268,270	2.0%	\$912,330	3.3%	\$111,565	0.6%	\$244,375	1.4%
1)	G	Existing Landscaping and Irrigation Demolition	3,200	SF	@	\$0.50	\$1,600	0.0%	\$0	0.0%	\$0	0.0%	\$1,600	0.0%
1)	H	Existing Tree Removal	32	EA	@	\$500	\$16,000	0.0%	\$16,000	0.1%	\$0	0.0%	\$0	0.0%
1)	I	Clearing & Grubbing / Misc. Demolition	N/A	%	@	2.5%	\$965,047	1.5%	\$416,761	1.5%	\$279,675	1.5%	\$268,610	1.5%
1)	J	Construction Staking	N/A	%	@	2.5%	\$965,047	1.5%	\$416,761	1.5%	\$279,675	1.5%	\$268,610	1.5%
1)	K	Grading	3,880,130	SF	@	\$0.18	\$698,423	1.1%	\$434,026	1.6%	\$190,569	1.0%	\$73,828	0.4%
TOTAL		SITE PREPARATION					\$11,728,865	18.3%	\$5,548,747	20.0%	\$3,100,419	16.6%	\$3,079,699	17.4%
ROADWAY														
2)	A	Crack and Seat (Pavement Detail 1)	183,793	SF	@	\$1.86	\$341,855	0.5%	\$0	0.0%	\$123,206	0.7%	\$218,649	1.2%
2)	B	Grind, Crack and Seat (Pavement Detail 1)	294,496	SF	@	\$2.66	\$783,359	1.2%	\$8,033	0.0%	\$283,408	1.5%	\$491,918	2.8%
2)	C	Full Depth Reclamation (Pavement Detail 2)	3,996,754	SF	@	\$2.33	\$9,312,437	14.5%	\$4,386,856	15.8%	\$3,669,573	19.7%	\$1,256,007	7.1%
2)	D	Chip Seal (Pavement Detail 3)	177,218	SF	@	\$1.50	\$265,827	0.4%	\$0	0.0%	\$0	0.0%	\$265,827	1.5%
2)	E	Grind and Overlay (Pavement Detail 4)	97,025	SF	@	\$2.13	\$206,663	0.3%	\$155,650	0.6%	\$35,805	0.2%	\$15,208	0.1%
2)	F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	432,653	SF	@	\$2.76	\$1,194,122	1.9%	\$651,826	2.4%	\$234,349	1.3%	\$307,947	1.7%
2)	G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	302,468	SF	@	\$3.65	\$1,104,008	1.7%	\$847,326	3.1%	\$192,501	1.0%	\$64,182	0.4%
2)	H	Bike Trail (2"AC/6"CNS)	539,644	SF	@	\$0.89	\$480,283	0.7%	\$309,716		\$167,761	0.9%	\$2,805	0.0%
TOTAL		ROADWAY					\$13,688,555	21.4%	\$6,359,408	23.0%	\$4,706,604	25.2%	\$2,622,543	14.8%
CURB, GUTTER, SIDEWALK														
3)	A	Curb and Gutter (Barrier Detail 1)	37,142	LF	@	\$15.00	\$557,130	0.9%	\$72,030	0.3%	\$68,025	0.4%	\$417,075	2.3%
3)	B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	19,557	LF	@	\$30.00	\$586,710	0.9%	\$0	0.0%	\$192,030	1.0%	\$394,680	2.2%
3)	C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	42,097	LF	@	\$16.00	\$673,552	1.1%	\$435,912	1.6%	\$237,640	1.3%	\$0	0.0%
3)	D	Concrete Curb (Barrier Detail 5)	34,841	LF	@	\$12.00	\$418,092	0.7%	\$57,624	0.2%	\$75,252	0.4%	\$285,216	1.6%
3)	E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	94,773	LF	@	\$14.00	\$1,326,822	2.1%	\$938,042	3.4%	\$387,310	2.1%	\$1,470	0.0%
3)	F	Median Stamped Concrete (Barrier Detail 7,8)	145,920	SF	@	\$6.53	\$952,858	1.5%	\$456,878	1.6%	\$196,595	1.1%	\$299,384	1.7%
3)	G	Curb Ramps	93	EA	@	\$2,500	\$232,500	0.4%	\$160,000	0.6%	\$42,500	0.2%	\$30,000	0.2%
3)	H	Concrete Driveway Approach	17	EA	@	\$2,000	\$34,000	0.1%	\$0	0.0%	\$0	0.0%	\$34,000	0.2%
3)	I	Concrete Sidewalk	66,305	SF	@	\$3.50	\$232,068	0.4%	\$201,702	0.7%	\$0	0.0%	\$30,366	0.2%
TOTAL		CURB, GUTTER, SIDEWALK					\$5,013,731	7.8%	\$2,322,187	8.4%	\$1,199,352	6.4%	\$1,492,191	8.4%
STORM DRAIN														
4)	A	Bio Swale (3' deep, lined with fabric)	503,998	SF	@	\$1.00	\$503,998	0.8%	\$337,533	1.2%	\$165,470	0.9%	\$995	0.0%
4)	B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	46,294	LF	@	\$14.00	\$648,116	1.0%	\$408,541	1.5%	\$237,020	1.3%	\$2,555	0.0%
4)	C	Concrete Valley Gutter	240	LF	@	\$20.00	\$4,800	0.0%	\$0	0.0%	\$0	0.0%	\$4,800	0.0%
4)	D	Linear Drain in Gutter (Barrier Detail 2)	13,357	LF	@	\$68.22	\$911,215	1.4%	\$0	0.0%	\$21,319	0.1%	\$889,896	5.0%
4)	E	Master Plan SD Pipe, Manholes, Inlets & Laterals	12,461	LF	@	\$150.00	\$1,869,150	2.9%	\$0	0.0%	\$0	0.0%	\$1,869,150	10.5%
4)	F	Misc. Drainage Modifications	3	EA	@	\$50,000	\$130,000	0.2%	\$100,000	0.4%	\$30,000	0.2%	\$0	0.0%
TOTAL		STORM DRAIN					\$4,067,279	6.3%	\$846,074	3.1%	\$453,809	2.4%	\$2,767,396	15.6%

Golden State Corridor Opinion of Probable Improvement Costs (continued)

Item		Unit	Unit Cost	Project Total	Fowler	Selma	Kingsburg
TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	3 EA @	\$100,000	\$300,000 0.5%	\$200,000 0.7%	\$100,000 0.5%	\$0 0.0%
5) B	New Traffic Signal	5 EA @	\$300,000	\$1,500,000 2.3%	\$450,000 1.6%	\$600,000 3.2%	\$450,000 2.5%
5) C	Signage and Striping	N/A % @	2.0%	\$284,620 0.4%	\$120,994 0.4%	\$111,231 0.6%	\$52,395 0.3%
5) D	Fiber Optic Line & Vaults	74,235 LF @	\$60.00	\$4,454,100 6.9%	\$1,894,950 6.8%	\$1,479,960 7.9%	\$1,079,190 6.1%
5) E	RR Crossing Modifications	3 EA @	\$250,000	\$750,000 1.2%	\$0 0.0%	\$375,000 2.0%	\$375,000 2.1%
5) F	New RR Crossing	1 EA @	\$500,000	\$500,000 0.8%	\$0 0.0%	\$0 0.0%	\$500,000 2.8%
5) G	RR Crossing Pre-Signal	5 EA @	\$75,000	\$375,000 0.6%	\$262,500 0.9%	\$112,500 0.6%	\$0 0.0%
TOTAL	TRAFFIC/RAILROAD CONTROL			\$8,163,720 12.7%	\$2,928,444 10.6%	\$2,778,691 14.9%	\$2,456,585 13.8%
UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	8 EA @	\$50,000	\$400,000 0.6%	\$350,000 1.3%	\$0 0.0%	\$50,000 0.3%
6) B	Undergrounding Utility with Light Replacement	1,720 LF @	\$20.00	\$34,400 0.1%	\$34,400 0.1%	\$0 0.0%	\$0 0.0%
6) C	New Street Lights	476 EA @	\$3,500	\$1,666,000 2.6%	\$770,000 2.8%	\$476,000 2.6%	\$420,000 2.4%
6) D	New Decorative Street Lights	14 EA @	\$3,500	\$49,000 0.1%	\$49,000 0.2%	\$0 0.0%	\$0 0.0%
6) E	Replace Existing Street Light w/ Decorative	73 EA @	\$4,000	\$292,000 0.5%	\$52,000 0.2%	\$160,000 0.9%	\$80,000 0.5%
TOTAL	UTILITIES/LIGHTING			\$2,441,400 3.8%	\$1,255,400 4.5%	\$636,000 3.4%	\$550,000 3.1%
LANDSCAPE/AMENITIES							
7) A	Trees Alone	5,152 EA @	\$185.00	\$953,120 1.5%	\$542,143 2.0%	\$296,555 1.6%	\$114,423 0.6%
7) B	Trees and Shrubs, with Irrigation	637,797 SF @	\$3.10	\$1,977,171 3.1%	\$970,790 3.5%	\$779,560 4.2%	\$226,821 1.3%
7) C	Wild Flowers	669,801 SF @	\$0.10	\$66,980 0.1%	\$45,856 0.2%	\$10,523 0.1%	\$10,601 0.1%
7) D	Maintenance Period Landscaping / Irrigation	N/A % @	20.0%	\$599,454 0.9%	\$311,758 1.1%	\$217,328 1.2%	\$70,369 0.4%
7) E	GSC Intersection Monuments	11 EA @	\$10,000	\$110,000 0.2%	\$40,000 0.1%	\$35,000 0.2%	\$35,000 0.2%
7) F	Special Concrete Artwork, Sign and Landscaping	3 EA @	\$100,000	\$300,000 0.5%	\$100,000 0.4%	\$100,000 0.5%	\$100,000 0.6%
TOTAL	LANDSCAPE/AMENITIES			\$4,006,725 6.3%	\$2,010,546 7.3%	\$1,438,966 7.7%	\$557,213 3.1%
CONTINGENCY		N/A % @	20.0%	\$7,723,443 12.0%	\$3,334,089 12.0%	\$2,240,470 12.0%	\$2,148,884 12.1%
RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	N/A % @	1.5%	\$579,028 0.9%	\$250,057 0.9%	\$167,805 0.9%	\$161,166 0.9%
9) B	Right of Way Purchase	48,150 SF @	\$4.00	\$192,600 0.3%	\$22,060 0.1%	\$41,620 0.2%	\$128,920 0.7%
9) C	Right of Way Acquisition / Documents	N/A % @	30.0%	\$57,780 0.1%	\$6,618 0.0%	\$12,486 0.1%	\$38,676 0.2%
9) D	SWPPP Implementation	N/A % @	3.0%	\$642,411 1.0%	\$314,243 1.1%	\$194,100 1.0%	\$134,067 0.8%
9) E	Geotechnical Engineer / Testing	N/A % @	2.0%	\$772,037 1.2%	\$333,409 1.2%	\$223,740 1.2%	\$214,888 1.2%
9) F	Construction Management	N/A % @	13.0%	\$5,020,238 7.8%	\$2,167,158 7.8%	\$1,456,306 7.8%	\$1,396,774 7.9%
TOTAL	RIGHT OF WAY/PERMITTING			\$7,264,094 11.3%	\$3,093,545 11.2%	\$2,096,057 11.2%	\$2,074,492 11.7%

Total for Project: **\$64,097,811 total**
\$4,020,165 per mile

Total for Fowler: **\$27,698,439 total**
\$4,632,712 per mile

Total for Selma: **\$18,650,369 total**
\$4,020,165 per mile

Total for Kingsburg: **\$17,749,003 total**
\$5,470,956 per mile



Fowler Section	Centerline Length	Cost	Cost / CL LF	Page
Golden State Blvd. - American Ave. to Lincoln Ave.	6,719 LF	\$4,493,664	\$669	2-1
Golden State Blvd. - Lincoln Ave. to Clayton Ave.	3,500 LF	\$2,363,889	\$675	2-3
Golden State Blvd. - Clayton Ave. to Adams Ave. Intersection	3,060 LF	\$2,369,408	\$774	2-5
Intersection of Golden State Blvd. and Adams Ave.	1,035 LF	\$1,143,171	\$1,105	2-7
Golden State Blvd. - Adams Ave. Intersection to Mariposa Ave.	1,136 LF	\$1,408,167	\$1,240	2-9
Golden State Blvd. - Mariposa Ave. to Merced Ave.	961 LF	\$1,419,505	\$1,477	2-11
Golden State Blvd. - Merced Ave. to Vine Ave.	1,440 LF	\$2,621,570	\$1,821	2-13
Golden State Blvd. - Vine Ave. to South Ave. Intersection	2,493 LF	\$2,160,094	\$866	2-15
Intersection of Golden State Blvd. and South Ave.	1,160 LF	\$1,445,505	\$1,246	2-17
South Ave. Intersection to Temperance Ave. Intersection	2,076 LF	\$1,403,890	\$676	2-19
Intersection of Golden State Blvd. and Temperance Ave.	654 LF	\$577,157	\$883	2-21
Temperance Ave. Intersection to Manning Ave. Intersection	3,205 LF	\$2,464,335	\$769	2-23
Intersection of Golden State Blvd. and Manning Ave.	1,091 LF	\$1,242,482	\$1,139	2-25
Manning Ave. Intersection to DeWolf Ave. Intersection	2,676 LF	\$2,009,792	\$751	2-27
Intersection of Golden State Blvd. and DeWolf Ave. (Half)	363 LF	\$575,809	\$1,588	3-1

31,569 LF **\$27,698,439** \$877 per CL LF
5.98 miles **TOTAL** \$4,632,712 per mile

Selma Section	Centerline Length	Cost	Cost / CL LF	Page
Intersection of Golden State Blvd. and DeWolf Ave. (Half)	363 LF	\$575,809	\$1,588	3-1
DeWolf Ave. Intersection to Dinuba Ave. Intersection	2,913 LF	\$2,227,324	\$765	3-3
Intersection of Golden State Blvd. and Dinuba Ave.	720 LF	\$1,198,230	\$1,664	3-5
Dinuba Ave. Intersection to Highland Avenue Intersection	3,661 LF	\$3,013,247	\$823	3-7
Intersection of Golden State Blvd. and Highland Ave.	603 LF	\$1,053,988	\$1,748	3-9
Whitson St. - Highland Ave. Intersection to Floral Ave.	1,986 LF	\$1,142,792	\$575	3-11
W Front St. - Whitson St. to Floral Ave.	1,430 LF	\$230,058	\$161	3-13
W Front St. - Floral Ave. to North Ave.	3,920 LF	\$15,350	\$4	3-15
W Front St. - North Ave. to Third Ave.	1,550 LF	\$6,607	\$4	3-17
W Front St. - Third St. to Whitson St.	1,300 LF	\$170,389	\$131	3-19
Whitson St. - Floral Ave. to North Ave.	3,601 LF	\$1,687,816	\$469	3-21
Whitson St. - North Ave. to W Front St.	2,904 LF	\$1,311,025	\$451	3-23
Whitson St. - W Front St. to Park St. (Nebraska St.)	738 LF	\$476,693	\$646	3-25
Park St. (Nebraska St.) to Mountain View Ave. Intersection	6,591 LF	\$4,718,805	\$716	3-27
Intersection of Golden State Blvd. and Mountain View Ave. (Half)	416 LF	\$822,235	\$1,979	4-1

Including Front Street Improvements 32,695 LF **\$18,650,369** \$570 per CL LF
6.19 miles **TOTAL** \$4,020,165 per mile

Excluding Front Street Improvements 24,495 LF **\$18,227,966** \$744 per CL LF
4.64 miles **TOTAL** \$3,929,115 per mile

Kingsburg Section	Centerline Length	Cost	Cost / CL LF	Page
Intersection of Golden State Blvd. and Mountain View Ave. (Half)	416 LF	\$822,235	1,979	4-1
Golden State Blvd. - Mountain View Ave. Intersection to Amber Ave.	542 LF	\$672,867	1,241	4-3
Golden State Blvd. - Amber Ave. to Bethel Ave. (Kamm) Intersection	5,204 LF	\$5,926,336	1,139	4-5
Intersection of Golden State Blvd. and Bethel Ave. (Kamm)	973 LF	\$1,777,723	1,827	4-7
Golden State Blvd. - Bethel Ave. (Kamm) Intersection to Stroud Ave. Intersection	3,182 LF	\$3,011,463	946	4-9
Intersection of Golden State Blvd. and Stroud Ave.	946 LF	\$1,918,136	2,028	4-11
Simpson St. - Stroud Ave. Intersection to Laurel St.	1,889 LF	\$1,650,666	874	4-13
Simpson St. - Laurel St. to Sierra St. (Hwy 201) Intersection	784 LF	\$478,454	610	4-15
Intersection of Simpson St. and Sierra St. (Hwy 201)	485 LF	\$199,651	412	4-17
Simpson St. - Sierra St. (Hwy 201) to Ellis St.	1,192 LF	\$347,530	292	4-19
Simpson St. - Ellis St. to Draper St. Intersection	256 LF	\$59,613	233	4-23
Intersection of Simpson St. and Draper St.	570 LF	\$300,399	527	4-25
Simpson St. - Draper St. to Earl St.	146 LF	\$202,737	1,389	4-27
Simpson St. - Earl St. to southern limits of project	545 LF	\$381,191	699	4-29

17,130 LF **\$17,749,003** \$1,036 per CL LF
3.24 miles \$5,470,956 per mile

Basis Used for Unit Costs

Item	Cost Basis	Unit	Additional Cost Information
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SITE PREPARATION

1) A	Mobilization / Permits / Demobilization	ACTC / CCTA	%	of Total Construction Cost
1) B	Temporary Facilities	ACTC / CCTA	%	of Total Construction Cost
1) C	Existing Building / Structure Demolition	Local Construction Knowledge	EA	Average Estimated Costs
1) D	Existing Concrete Demolition	Local Construction Knowledge	SF	
1) E	Existing Curb and Gutter Demolition	Local Construction Knowledge	LF	
1) F	Existing Roadway Demolition	Caltrans Contract Cost Data	SF	
1) G	Existing Landscaping and Irrigation Demolition	Local Construction Knowledge	SF	
1) H	Existing Tree Removal	Local Construction Knowledge	EA	
1) I	Clearing & Grubbing / Misc. Demolition	ACTC / CCTA	%	of Total Construction Cost
1) J	Construction Staking	ACTC / CCTA	%	of Total Construction Cost
1) K	Grading	Caltrans Contract Cost Data	SF	

ROADWAY

2) A	Crack and Seat (Pavement Detail 1)	Caltrans Contract Cost Data	SF	
2) B	Grind, Crack and Seat (Pavement Detail 1)	Caltrans Contract Cost Data	SF	
2) C	Full Depth Reclamation (Pavement Detail 2)	Local Construction Knowledge	SF	
2) D	Chip Seal (Pavement Detail 3)	Local Construction Knowledge	SF	
2) E	Grind and Overlay (Pavement Detail 4)	Composite Caltrans Contract Cost Data	SF	
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	Composite Caltrans Contract Cost Data	SF	
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	Composite Caltrans Contract Cost Data	SF	
2) H	Bike Trail (2"AC/6"CNS)	Caltrans Contract Cost Data	SF	

CURB, GUTTER, SIDEWALK

3) A	Curb and Gutter (Barrier Detail 1)	Local Construction Knowledge	LF	
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	Local Construction Knowledge	LF	
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	Local Construction Knowledge	LF	
3) D	Concrete Curb (Barrier Detail 5)	Local Construction Knowledge	LF	
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	Local Construction Knowledge	LF	
3) F	Median Stamped Concrete (Barrier Detail 7,8)	Caltrans Contract Cost Data	SF	
3) G	Curb Ramps	Local Construction Knowledge	EA	Average Estimated Costs
3) H	Concrete Driveway Approach	Local Construction Knowledge	EA	Average Estimated Costs
3) I	Concrete Sidewalk	Local Construction Knowledge	SF	

STORM DRAIN

4) A	Bio Swale (3' deep, lined with fabric)	Local Construction Knowledge	SF	
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	Local Construction Knowledge	LF	
4) C	Concrete Valley Gutter	Local Construction Knowledge	LF	
4) D	Linear Drain in Gutter (Barrier Detail 2)	Caltrans Contract Cost Data	LF	
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	Local Construction Knowledge	LF	
4) F	Misc. Drainage Modifications	Local Construction Knowledge	EA	

Basis Used for Unit Costs (continued)

	Item	Cost Basis	Unit	Additional Cost Information
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	Local Construction Knowledge	EA	
5) B	New Traffic Signal	Local Construction Knowledge	EA	
5) C	Signage and Striping	ACTC / CCTA	%	of Total Roadway Pavement
5) D	Fiber Optic Line & Vaults	Local Construction Knowledge	LF	
5) E	RR Crossing Modifications	Local Construction Knowledge	EA	
5) F	New RR Crossing	Local Construction Knowledge	EA	
5) G	RR Crossing Pre-Signal	Local Construction Knowledge	EA	

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	Local Construction Knowledge	EA	
6) B	Undergrounding Utility with Light Replacement	Local Construction Knowledge	LF	
6) C	New Street Lights	Local Construction Knowledge	EA	
6) D	New Decorative Street Lights	Local Construction Knowledge	EA	
6) E	Replace Existing Street Light w/ Decorative	Local Construction Knowledge	EA	

LANDSCAPE/AMENITIES

7) A	Trees Alone	Local Construction Knowledge	EA	
7) B	Trees and Shrubs, with Irrigation	Local Construction Knowledge	SF	
7) C	Wild Flowers	Caltrans Contract Cost Data	SF	
7) D	Maintenance Period Landscaping / Irrigation	Local Construction Knowledge	%	of Landscaping Costs
7) E	GSC Intersection Monuments	Local Construction Knowledge	EA	
7) F	Special Concrete Artwork, Sign and Landscaping	Local Construction Knowledge	EA	

8) A	CONTINGENCY	Caltrans Estimating Procedures	%	of Total Construction Cost
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	ACTC / CCTA	%	of Total Construction Cost
9) B	Right of Way Purchase	Local Construction Knowledge	SF	
9) C	Right of Way Acquisition / Documents	Local Construction Knowledge	%	of R/W Purchase
9) D	SWPPP Implementation	ACTC / CCTA	%	of Total Paved Surfaces
9) E	Geotechnical Engineer / Testing	ACTC / CCTA	%	of Total Construction Cost
9) F	Construction Management	ACTC / CCTA	%	of Total Construction Cost

Abbreviations:

AB	= aggregate base
AC	= asphalt concrete
ACTC	= Alameda County Transportation Commission
CCTA	= Contra Costa Transportation Authority
CL	= centerline
CL LF	= centerline lineal feet
EA	= each
GSC	= Golden State Corridor
LF	= lineal feet
RR	= railroad
SD	= storm drain
SF	= square feet
SWPPP	= Stormwater Pollution Prevention Plan

Golden State Blvd. - American Ave. to Lincoln Ave.

Station: 0881+86 to 0949+05

6,719 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$2,713,669	\$271,367	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$2,713,669	\$271,367	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	134,380	SF	@	\$1.16	\$155,881	3.5%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$2,713,669	\$67,842	1.5%
1) J	Construction Staking	2.5%	%	@	\$2,713,669	\$67,842	1.5%
1) K	Grading	441,713	SF	@	\$0.18	\$79,508	1.8%
	TOTAL SITE PREPARATION					\$913,806	20%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)		SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)		SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	424,865	SF	@	\$2.33	\$989,935	22.0%
2) D	Chip Seal (Pavement Detail 3)		SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	11,010	SF	@	\$2.13	\$23,451	0.5%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	32,367	SF	@	\$2.76	\$89,333	2.0%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	13,438	SF	@	\$3.65	\$49,049	1.1%
2) H	Bike Trail (2"AC/6"CNS)	80,628	SF	@	\$0.89	\$71,759	1.6%
	TOTAL ROADWAY					\$1,223,527	27%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	6,719	LF	@	\$16.00	\$107,504	2.4%
3) D	Concrete Curb (Barrier Detail 5)		LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	13,438	LF	@	\$14.00	\$188,132	4.2%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	1,595	SF	@	\$6.53	\$10,415	0.2%
3) G	Curb Ramps	5	EA	@	\$2,500	\$12,500	0.3%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$318,551	7%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	80,628	SF	@	\$1.00	\$80,628	1.8%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	6,719	LF	@	\$14.00	\$94,066	2.1%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$174,694	4%

Golden State Blvd. - American Ave. to Lincoln Ave.

Station: 0881+86 to 0949+05

6,719 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$1,151,768	\$23,035	0.5%
5) D	Fiber Optic Line & Vaults	6,719	LF	@	\$60.00	\$403,140	9.0%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$426,175	9%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	54	EA	@	\$3,500	\$189,000	4.2%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$189,000	4%

LANDSCAPE/AMENITIES

7) A	Trees Alone	750	EA	@	\$185.00	\$138,750	3.1%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	206,175	SF	@	\$0.10	\$20,618	0.5%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$159,368	\$31,874	0.7%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.2%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$201,241	4%

8) A	CONTINGENCY	20.0%	%	of	\$2,713,669	\$542,734	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$2,713,669	\$40,705	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$1,872,653	\$56,180	1.3%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$2,713,669	\$54,273	1.2%
9) F	Construction Management	13.0%	%	of	\$2,713,669	\$352,777	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$503,935	11%

Total Cost per Lineal Foot **\$669**Total Cost **\$4,493,664**

Golden State Blvd. - Lincoln Ave. to Clayton Ave.

Station: 0949+05 to 0984+05

3,500 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,428,623	\$142,862	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$1,428,623	\$142,862	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	70,000	SF	@	\$1.16	\$81,200	3.4%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,428,623	\$35,716	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,428,623	\$35,716	1.5%
1) K	Grading	197,325	SF	@	\$0.18	\$35,519	1.5%
	TOTAL SITE PREPARATION					\$473,874	20%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	216,370	SF	@	\$2.33	\$504,142	21.3%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	5,865	SF	@	\$2.13	\$12,492	0.5%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	20,670	SF	@	\$2.76	\$57,049	2.4%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	7,000	SF	@	\$3.65	\$25,550	1.1%
2) H	Bike Trail (2"AC/6"CNS)	42,000	SF	@	\$0.89	\$37,380	1.6%
	TOTAL ROADWAY					\$636,614	27%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	3,500	LF	@	\$16.00	\$56,000	2.4%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	7,960	LF	@	\$14.00	\$111,440	4.7%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	3,945	SF	@	\$6.53	\$25,761	1.1%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$193,201	8%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	42,000	SF	@	\$1.00	\$42,000	1.8%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	3,500	LF	@	\$14.00	\$49,000	2.1%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$91,000	4%

Golden State Blvd. - Lincoln Ave. to Clayton Ave.

Station: 0949+05 to 0984+05

3,500 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$599,234	\$11,985	0.5%
5) D	Fiber Optic Line & Vaults	3,500	LF	@	\$60.00	\$210,000	8.9%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$221,985	9%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	28	EA	@	\$3,500	\$98,000	4.1%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$98,000	4%

LANDSCAPE/AMENITIES

7) A	Trees Alone	359	EA	@	\$185.00	\$66,415	2.8%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	66,750	SF	@	\$0.10	\$6,675	0.3%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$73,090	\$14,618	0.6%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.4%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$97,708	4%

8) A	CONTINGENCY	20.0%	%	of	\$1,428,623	\$285,725	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,428,623	\$21,429	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$1,002,015	\$30,060	1.3%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,428,623	\$28,572	1.2%
9) F	Construction Management	13.0%	%	of	\$1,428,623	\$185,721	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$265,783	11%

Total Cost per Lineal Foot **\$675**Total Cost **\$2,363,889**

Golden State Blvd. - Clayton Ave. to Adams Ave. Intersection

Station: 0984+05 to 1014+65

3,060 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,417,898	\$141,790	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$1,417,898	\$141,790	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	39,780	SF	@	\$1.16	\$46,145	1.9%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,417,898	\$35,447	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,417,898	\$35,447	1.5%
1) K	Grading	190,330	SF	@	\$0.18	\$34,259	1.4%
	TOTAL SITE PREPARATION					\$434,879	18%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	193,180	SF	@	\$2.33	\$450,109	19.0%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	5,260	SF	@	\$2.13	\$11,204	0.5%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	15,290	SF	@	\$2.76	\$42,200	1.8%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	6,120	SF	@	\$3.65	\$22,338	0.9%
2) H	Bike Trail (2"AC/6"CNS)	36,720	SF	@	\$0.89	\$32,681	1.4%
	TOTAL ROADWAY					\$558,532	24%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	3,060	LF	@	\$16.00	\$48,960	2.1%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	7,080	LF	@	\$14.00	\$99,120	4.2%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	12,240	SF	@	\$6.53	\$79,927	3.4%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$228,007	10%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	36,720	SF	@	\$1.00	\$36,720	1.5%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	3,060	LF	@	\$14.00	\$42,840	1.8%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$79,560	3%

Golden State Blvd. - Clayton Ave. to Adams Ave. Intersection

Station: 0984+05 to 1014+65

3,060 feet

	Item	Quantity	Unit		Unit Cost	Cost
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$525,852	\$10,517	0.4%
5) D	Fiber Optic Line & Vaults	3,060	LF	@	\$60.00	\$183,600	7.7%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$194,117	8%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	25	EA	@	\$3,500	\$87,500	3.7%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$87,500	4%

LANDSCAPE/AMENITIES

7) A	Trees Alone	306	EA	@	\$185.00	\$56,610	2.4%
7) B	Trees and Shrubs, with Irrigation	45,560	SF	@	\$3.10	\$141,236	6.0%
7) C	Wild Flowers	24,480	SF	@	\$0.10	\$2,448	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$200,294	\$40,059	1.7%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$240,353	10%

8) A	CONTINGENCY	20.0%	%	of	\$1,417,898	\$283,580	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,417,898	\$21,268	0.9%
9) B	Right of Way Purchase	300	SF	@	\$4.00	\$1,200	0.1%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$1,200	\$360	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$912,244	\$27,367	1.2%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,417,898	\$28,358	1.2%
9) F	Construction Management	13.0%	%	of	\$1,417,898	\$184,327	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$262,880	11%

Total Cost per Lineal Foot **\$774**Total Cost **\$2,369,408**

Intersection of Golden State Blvd. and Adams Ave.

Station: 1014+65 to 1025+00

1,035 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$689,511	\$68,951	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$689,511	\$68,951	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	13,455	SF	@	\$1.16	\$15,608	1.4%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$689,511	\$17,238	1.5%
1) J	Construction Staking	2.5%	%	@	\$689,511	\$17,238	1.5%
1) K	Grading	67,324	SF	@	\$0.18	\$12,118	1.1%
	TOTAL SITE PREPARATION					\$200,104	18%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	67,100	SF	@	\$2.33	\$156,343	13.7%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	5,300	SF	@	\$2.13	\$11,289	1.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	4,140	SF	@	\$2.76	\$11,426	1.0%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	2,070	SF	@	\$3.65	\$7,556	0.7%
2) H	Bike Trail (2"AC/6"CNS)	12,420	SF	@	\$0.89	\$11,054	1.0%
	TOTAL ROADWAY					\$197,668	17%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	1,035	LF	@	\$16.00	\$16,560	1.4%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	3,030	LF	@	\$14.00	\$42,420	3.7%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	4,140	SF	@	\$6.53	\$27,034	2.4%
3) G	Curb Ramps	4	EA	@	\$2,500	\$10,000	0.9%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	4,750	SF	@	\$3.50	\$16,625	1.5%
	TOTAL CURB, GUTTER, SIDEWALK					\$112,639	10%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	12,420	SF	@	\$1.00	\$12,420	1.1%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	1,035	LF	@	\$14.00	\$14,490	1.3%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$26,910	2%

Intersection of Golden State Blvd. and Adams Ave.

Station: 1014+65 to 1025+00

1,035 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	1	EA	@	\$100,000	\$100,000	8.7%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$186,614	\$3,732	0.3%
5) D	Fiber Optic Line & Vaults	1,035	LF	@	\$60.00	\$62,100	5.4%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	1	EA	@	\$75,000	\$75,000	6.6%
TOTAL TRAFFIC/RAILROAD CONTROL						\$240,832	21%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	4	EA	@	\$3,500	\$14,000	1.2%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$14,000	1%

LANDSCAPE/AMENITIES

7) A	Trees Alone	104	EA	@	\$185.00	\$19,240	1.7%
7) B	Trees and Shrubs, with Irrigation	14,000	SF	@	\$3.10	\$43,400	3.8%
7) C	Wild Flowers	8,280	SF	@	\$0.10	\$828	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$63,468	\$12,694	1.1%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.9%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$86,162	8%

8) A	CONTINGENCY	20.0%	%	of	\$689,511	\$137,902	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$689,511	\$10,343	0.9%
9) B	Right of Way Purchase	500	SF	@	\$4.00	\$2,000	0.2%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$2,000	\$600	0.1%
9) D	SWPPP Implementation	3.0%	%	of	\$352,825	\$10,585	0.9%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$689,511	\$13,790	1.2%
9) F	Construction Management	13.0%	%	of	\$689,511	\$89,636	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$126,954	11%

Total Cost per Lineal Foot **\$1,105**Total Cost **\$1,143,171**

Golden State Blvd. - Adams Ave. Intersection to Mariposa Ave.

Station: 1025+00 to 1036+36

1,136 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$848,394	\$84,839	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$848,394	\$84,839	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	83,010	SF	@	\$1.16	\$96,292	6.8%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$848,394	\$21,210	1.5%
1) J	Construction Staking	2.5%	%	@	\$848,394	\$21,210	1.5%
1) K	Grading	149,825	SF	@	\$0.18	\$26,969	1.9%
	TOTAL SITE PREPARATION					\$335,359	24%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	74,000	SF	@	\$2.33	\$172,420	12.2%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	3,500	SF	@	\$2.13	\$7,455	0.5%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	8,850	SF	@	\$2.76	\$24,426	1.7%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	38,500	SF	@	\$3.65	\$140,525	10.0%
2) H	Bike Trail (2"AC/6"CNS)	13,800	SF	@	\$0.89	\$12,282	0.9%
	TOTAL ROADWAY					\$357,108	25%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	1,150	LF	@	\$16.00	\$18,400	1.3%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	2,300	LF	@	\$14.00	\$32,200	2.3%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	4,600	SF	@	\$6.53	\$30,038	2.1%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	10,925	SF	@	\$3.50	\$38,238	2.7%
	TOTAL CURB, GUTTER, SIDEWALK					\$118,876	8%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	13,800	SF	@	\$1.00	\$13,800	1.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	1,150	LF	@	\$14.00	\$16,100	1.1%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$29,900	2%

Golden State Blvd. - Adams Ave. Intersection to Mariposa Ave.

Station: 1025+00 to 1036+36

1,136 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$344,826	\$6,897	0.5%
5) D	Fiber Optic Line & Vaults	1,150	LF	@	\$60.00	\$69,000	4.9%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$75,897	5%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	1	EA	@	\$50,000	\$50,000	3.6%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	10	EA	@	\$3,500	\$35,000	2.5%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$85,000	6%

LANDSCAPE/AMENITIES

7) A	Trees Alone	115	EA	@	\$185.00	\$21,275	1.5%
7) B	Trees and Shrubs, with Irrigation	14,000	SF	@	\$3.10	\$43,400	3.1%
7) C	Wild Flowers	5,750	SF	@	\$0.10	\$575	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$65,250	\$13,050	0.9%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$78,300	6%

8) A	CONTINGENCY	20.0%	%	of	\$848,394	\$169,679	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$848,394	\$12,726	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$602,175	\$18,065	1.3%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$848,394	\$16,968	1.2%
9) F	Construction Management	13.0%	%	of	\$848,394	\$110,291	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$158,050	11%

Total Cost per Lineal Foot **\$1,240**Total Cost **\$1,408,167**

Golden State Blvd. - Mariposa Ave. to Merced Ave.

Station: 1036+36 to 1045+97

961 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$861,633	\$86,163	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$861,633	\$86,163	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	600	SF	@	\$2.00	\$1,200	0.1%
1) E	Existing Curb and Gutter Demolition	100	LF	@	\$3.00	\$300	0.0%
1) F	Existing Roadway Demolition	122,000	SF	@	\$1.16	\$141,520	10.0%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	15	EA	@	\$500	\$7,500	0.5%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$861,633	\$21,541	1.5%
1) J	Construction Staking	2.5%	%	@	\$861,633	\$21,541	1.5%
1) K	Grading	173,086	SF	@	\$0.18	\$31,155	2.2%
	TOTAL SITE PREPARATION					\$397,084	28%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	620	SF	@	\$2.13	\$1,321	0.1%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	16,940	SF	@	\$2.76	\$46,754	3.3%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	38,500	SF	@	\$3.65	\$140,525	9.9%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$188,600	13%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	1,922	LF	@	\$15.00	\$28,830	2.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	1,922	LF	@	\$12.00	\$23,064	1.6%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	9,684	SF	@	\$6.53	\$63,237	4.5%
3) G	Curb Ramps	8	EA	@	\$2,500	\$20,000	1.4%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	18,259	SF	@	\$3.50	\$63,907	4.5%
	TOTAL CURB, GUTTER, SIDEWALK					\$199,037	14%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	1	EA	@	\$50,000	\$50,000	3.5%
	TOTAL STORM DRAIN					\$50,000	4%

Golden State Blvd. - Mariposa Ave. to Merced Ave.

Station: 1036+36 to 1045+97

961 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$188,600	\$3,772	0.3%
5) D	Fiber Optic Line & Vaults	961	LF	@	\$60.00	\$57,660	4.1%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$61,432	4%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	2	EA	@	\$50,000	\$100,000	7.0%
6) B	Undergrounding Utility with Light Replacement	675	LF	@	\$20.00	\$13,500	1.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	6	EA	@	\$3,500	\$21,000	1.5%
6) E	Replace Existing Street Light w/ Decorative	5	EA	@	\$4,000	\$20,000	1.4%
TOTAL UTILITIES/LIGHTING						\$154,500	11%

LANDSCAPE/AMENITIES

7) A	Trees Alone	65	EA	@	\$185.00	\$12,025	0.8%
7) B	Trees and Shrubs, with Irrigation	5,850	SF	@	\$3.10	\$18,135	1.3%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$30,160	\$6,032	0.4%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$36,192	3%

8) A	CONTINGENCY	20.0%	%	of	\$861,633	\$172,327	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$861,633	\$12,924	0.9%
9) B	Right of Way Purchase	100	SF	@	\$4.00	\$400	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$400	\$120	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$588,157	\$17,645	1.2%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$861,633	\$17,233	1.2%
9) F	Construction Management	13.0%	%	of	\$861,633	\$112,012	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$160,334	11%

Total Cost per Lineal Foot **\$1,477**

Total Cost **\$1,419,505**

Golden State Blvd. - Merced Ave. to Vine Ave.

Station: 1045+97 to 1060+37

1,440 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,583,468	\$158,347	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$1,583,468	\$158,347	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	8,640	SF	@	\$2.00	\$17,280	0.7%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	188,000	SF	@	\$1.16	\$218,080	8.3%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	17	EA	@	\$500	\$8,500	0.3%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,583,468	\$39,587	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,583,468	\$39,587	1.5%
1) K	Grading	296,079	SF	@	\$0.18	\$53,294	2.0%
	TOTAL SITE PREPARATION					\$693,021	26%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	1,680	SF	@	\$2.13	\$3,578	0.1%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	38,580	SF	@	\$2.76	\$106,481	4.1%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	72,000	SF	@	\$3.65	\$262,800	10.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$372,859	14%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	2,880	LF	@	\$15.00	\$43,200	1.6%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	2,880	LF	@	\$12.00	\$34,560	1.3%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	13,650	SF	@	\$6.53	\$89,135	3.4%
3) G	Curb Ramps	12	EA	@	\$2,500	\$30,000	1.1%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	21,945	SF	@	\$3.50	\$76,808	2.9%
	TOTAL CURB, GUTTER, SIDEWALK					\$273,702	10%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	1	EA	@	\$50,000	\$50,000	1.9%
	TOTAL STORM DRAIN					\$50,000	2%

Golden State Blvd. - Merced Ave. to Vine Ave.

Station: 1045+97 to 1060+37

1,440 feet

	Item	Quantity	Unit		Unit Cost	Cost
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$372,859	\$7,457	0.3%
5) D	Fiber Optic Line & Vaults	1,440	LF	@	\$60.00	\$86,400	3.3%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$93,857	4%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	4	EA	@	\$50,000	\$200,000	7.6%
6) B	Undergrounding Utility with Light Replacement	1,045	LF	@	\$20.00	\$20,900	0.8%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	8	EA	@	\$3,500	\$28,000	1.1%
6) E	Replace Existing Street Light w/ Decorative	8	EA	@	\$4,000	\$32,000	1.2%
TOTAL UTILITIES/LIGHTING						\$280,900	11%

LANDSCAPE/AMENITIES

7) A	Trees Alone	90	EA	@	\$185.00	\$16,650	0.6%
7) B	Trees and Shrubs, with Irrigation	34,130	SF	@	\$3.10	\$105,803	4.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$122,453	\$24,491	0.9%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	1	EA	@	\$100,000	\$100,000	3.8%
TOTAL LANDSCAPE/AMENITIES						\$246,944	9%

8) A	CONTINGENCY	20.0%	%	of	\$1,583,468	\$316,694	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,583,468	\$23,752	0.9%
9) B	Right of Way Purchase	790	SF	@	\$4.00	\$3,160	0.1%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$3,160	\$948	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$940,421	\$28,213	1.1%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,583,468	\$31,669	1.2%
9) F	Construction Management	13.0%	%	of	\$1,583,468	\$205,851	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$293,593	11%

Total Cost per Lineal Foot **\$1,821**Total Cost **\$2,621,570**

Golden State Blvd. - Vine Ave. to South Ave. Intersection

Station: 1060+37 to 1085+30

2,493 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,291,635	\$129,164	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$1,291,635	\$129,164	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	34,902	SF	@	\$1.16	\$40,486	1.9%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,291,635	\$32,291	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,291,635	\$32,291	1.5%
1) K	Grading	197,754	SF	@	\$0.18	\$35,596	1.6%
	TOTAL SITE PREPARATION					\$398,991	18%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	154,566	SF	@	\$2.33	\$360,139	16.7%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	14,030	SF	@	\$2.13	\$29,884	1.4%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	27,190	SF	@	\$2.76	\$75,044	3.5%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	6,026	SF	@	\$3.65	\$21,995	1.0%
2) H	Bike Trail (2"AC/6"CNS)	29,916	SF	@	\$0.89	\$26,625	1.2%
	TOTAL ROADWAY					\$513,687	24%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	2,493	LF	@	\$16.00	\$39,888	1.8%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	4,986	LF	@	\$14.00	\$69,804	3.2%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	14,572	SF	@	\$6.53	\$95,155	4.4%
3) G	Curb Ramps	6	EA	@	\$2,500	\$15,000	0.7%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	550	SF	@	\$3.50	\$1,925	0.1%
	TOTAL CURB, GUTTER, SIDEWALK					\$221,772	10%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	29,916	SF	@	\$1.00	\$29,916	1.4%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	2,493	LF	@	\$14.00	\$34,902	1.6%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$64,818	3%

Golden State Blvd. - Vine Ave. to South Ave. Intersection

Station: 1060+37 to 1085+30

2,493 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$487,062	\$9,741	0.5%
5) D	Fiber Optic Line & Vaults	2,493	LF	@	\$60.00	\$149,580	6.9%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$159,321	7%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	20	EA	@	\$3,500	\$70,000	3.2%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$70,000	3%

LANDSCAPE/AMENITIES

7) A	Trees Alone	209	EA	@	\$185.00	\$38,665	1.8%
7) B	Trees and Shrubs, with Irrigation	49,690	SF	@	\$3.10	\$154,039	7.1%
7) C	Wild Flowers	29,916	SF	@	\$0.10	\$2,992	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$195,696	\$39,139	1.8%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$234,835	11%

8) A	CONTINGENCY	20.0%	%	of	\$1,291,635	\$258,327	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,291,635	\$19,375	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$840,764	\$25,223	1.2%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,291,635	\$25,833	1.2%
9) F	Construction Management	13.0%	%	of	\$1,291,635	\$167,913	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$238,343	11%

Total Cost per Lineal Foot **\$866**Total Cost **\$2,160,094**

Intersection of Golden State Blvd. and South Ave.

Station: 1085+30 to 1096+90

1,160 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$874,806	\$87,481	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$874,806	\$87,481	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	16,240	SF	@	\$1.16	\$18,838	1.3%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$874,806	\$21,870	1.5%
1) J	Construction Staking	2.5%	%	@	\$874,806	\$21,870	1.5%
1) K	Grading	64,604	SF	@	\$0.18	\$11,629	0.8%
	TOTAL SITE PREPARATION					\$249,169	17%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	74,200	SF	@	\$2.33	\$172,886	12.0%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	5,300	SF	@	\$2.13	\$11,289	0.8%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	2,320	SF	@	\$2.76	\$6,403	0.4%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	2,320	SF	@	\$3.65	\$8,468	0.6%
2) H	Bike Trail (2"AC/6"CNS)	13,920	SF	@	\$0.89	\$12,389	0.9%
	TOTAL ROADWAY					\$211,435	15%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	1,160	LF	@	\$16.00	\$18,560	1.3%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	3,280	LF	@	\$14.00	\$45,920	3.2%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	2,120	SF	@	\$6.53	\$13,844	1.0%
3) G	Curb Ramps	4	EA	@	\$2,500	\$10,000	0.7%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	1,200	SF	@	\$3.50	\$4,200	0.3%
	TOTAL CURB, GUTTER, SIDEWALK					\$92,524	6%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	13,920	SF	@	\$1.00	\$13,920	1.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	1,160	LF	@	\$14.00	\$16,240	1.1%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$30,160	2%

Intersection of Golden State Blvd. and South Ave.

Station: 1085+30 to 1096+90

1,160 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	1	EA	@	\$300,000	\$300,000	20.8%
5) C	Signage and Striping	2.0%	%	@	\$199,046	\$3,981	0.3%
5) D	Fiber Optic Line & Vaults	1,160	LF	@	\$60.00	\$69,600	4.8%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	1	EA	@	\$75,000	\$75,000	5.2%
TOTAL TRAFFIC/RAILROAD CONTROL						\$448,581	31%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	4	EA	@	\$3,500	\$14,000	1.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$14,000	1%

LANDSCAPE/AMENITIES

7) A	Trees Alone	116	EA	@	\$185.00	\$21,460	1.5%
7) B	Trees and Shrubs, with Irrigation	9,280	SF	@	\$3.10	\$28,768	2.0%
7) C	Wild Flowers	13,920	SF	@	\$0.10	\$1,392	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$51,620	\$10,324	0.7%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$61,944	4%

8) A	CONTINGENCY	20.0%	%	of	\$874,806	\$174,961	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$874,806	\$13,122	0.9%
9) B	Right of Way Purchase	1,500	SF	@	\$4.00	\$6,000	0.4%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$6,000	\$1,800	0.1%
9) D	SWPPP Implementation	3.0%	%	of	\$352,957	\$10,589	0.7%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$874,806	\$17,496	1.2%
9) F	Construction Management	13.0%	%	of	\$874,806	\$113,725	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$162,732	11%

Total Cost per Lineal Foot **\$1,246**Total Cost **\$1,445,505**

**Golden State Blvd. -
South Ave. Intersection to Temperance Ave. Intersection**

Station: 1096+90 to 1117+66

2,076 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$846,712	\$84,671	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$846,712	\$84,671	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	16,608	SF	@	\$1.16	\$19,265	1.4%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$846,712	\$21,168	1.5%
1) J	Construction Staking	2.5%	%	@	\$846,712	\$21,168	1.5%
1) K	Grading	124,695	SF	@	\$0.18	\$22,445	1.6%
	TOTAL SITE PREPARATION					\$253,388	18%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	133,010	SF	@	\$2.33	\$309,913	22.1%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	9,240	SF	@	\$2.13	\$19,681	1.4%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	8,942	SF	@	\$2.76	\$24,680	1.8%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	8,304	SF	@	\$3.65	\$30,310	2.2%
2) H	Bike Trail (2"AC/6"CNS)	24,912	SF	@	\$0.89	\$22,172	1.6%
	TOTAL ROADWAY					\$406,756	29%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	335	LF	@	\$16.00	\$5,360	0.4%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	5,112	LF	@	\$14.00	\$71,568	5.1%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	320	SF	@	\$6.53	\$2,090	0.1%
3) G	Curb Ramps	10	EA	@	\$2,500	\$25,000	1.8%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$104,018	7%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	24,912	SF	@	\$1.00	\$24,912	1.8%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	2,076	LF	@	\$14.00	\$29,064	2.1%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$53,976	4%

Golden State Blvd. -
South Ave. Intersection to Temperance Ave. Intersection

Station: 1096+90 to 1117+66

2,076 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$384,584	\$7,692	0.5%
5) D	Fiber Optic Line & Vaults	2,076	LF	@	\$60.00	\$124,560	8.9%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$132,252	9%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	17	EA	@	\$3,500	\$59,500	4.2%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$59,500	4%

LANDSCAPE/AMENITIES

7) A	Trees Alone	139	EA	@	\$185.00	\$25,715	1.8%
7) B	Trees and Shrubs, with Irrigation	8,500	SF	@	\$3.10	\$26,350	1.9%
7) C	Wild Flowers	41,272	SF	@	\$0.10	\$4,127	0.3%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$56,192	\$11,238	0.8%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$67,431	5%

8) A	CONTINGENCY	20.0%	%	of	\$846,712	\$169,342	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$846,712	\$12,701	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$584,015	\$17,520	1.2%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$846,712	\$16,934	1.2%
9) F	Construction Management	13.0%	%	of	\$846,712	\$110,073	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$157,228	11%

Total Cost per Lineal Foot **\$676**Total Cost **\$1,403,890**

Intersection of Golden State Blvd. and Temperance Ave.

Station: 1117+66 to 1124+20

654 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$345,937	\$34,594	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$345,937	\$34,594	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	4,500	SF	@	\$1.16	\$5,220	0.9%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$345,937	\$8,648	1.5%
1) J	Construction Staking	2.5%	%	@	\$345,937	\$8,648	1.5%
1) K	Grading	40,656	SF	@	\$0.18	\$7,318	1.3%
	TOTAL SITE PREPARATION					\$99,022	17%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	61,900	SF	@	\$2.33	\$144,227	25.0%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	2,900	SF	@	\$2.13	\$6,177	1.1%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	8,750	SF	@	\$2.76	\$24,150	4.2%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	1,308	SF	@	\$3.65	\$4,774	0.8%
2) H	Bike Trail (2"AC/6"CNS)	7,848	SF	@	\$0.89	\$6,985	1.2%
	TOTAL ROADWAY					\$186,313	32%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	654	LF	@	\$16.00	\$10,464	1.8%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	2,268	LF	@	\$14.00	\$31,752	5.5%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	210	SF	@	\$6.53	\$1,371	0.2%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$43,587	8%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	3,924	SF	@	\$1.00	\$3,924	0.7%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	654	LF	@	\$14.00	\$9,156	1.6%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$13,080	2%

Intersection of Golden State Blvd. and Temperance Ave.

Station: 1117+66 to 1124+20

654 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$179,328	\$3,587	0.6%
5) D	Fiber Optic Line & Vaults	654	LF	@	\$60.00	\$39,240	6.8%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$42,827	7%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	4	EA	@	\$3,500	\$14,000	2.4%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$14,000	2%

LANDSCAPE/AMENITIES

7) A	Trees Alone	55	EA	@	\$185.00	\$10,175	1.8%
7) B	Trees and Shrubs, with Irrigation	8,500	SF	@	\$3.10	\$26,350	4.6%
7) C	Wild Flowers	6,540	SF	@	\$0.10	\$654	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$37,179	\$7,436	1.3%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$44,615	8%

8) A	CONTINGENCY	20.0%	%	of	\$345,937	\$69,187	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$345,937	\$5,189	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$248,200	\$7,446	1.3%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$345,937	\$6,919	1.2%
9) F	Construction Management	13.0%	%	of	\$345,937	\$44,972	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$64,526	11%

Total Cost per Lineal Foot **\$883**Total Cost **\$577,157**

Golden State Blvd. -**Temperance Ave. Intersection to Manning Ave. Intersection**

Station: 1124+20 to 1156+25

3,205 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,471,711	\$147,171	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$1,471,711	\$147,171	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	38,460	SF	@	\$1.16	\$44,614	1.8%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,471,711	\$36,793	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,471,711	\$36,793	1.5%
1) K	Grading	210,698	SF	@	\$0.18	\$37,926	1.5%
	TOTAL SITE PREPARATION					\$450,467	18%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	197,900	SF	@	\$2.33	\$461,107	18.7%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	1,220	SF	@	\$2.13	\$2,599	0.1%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	20,470	SF	@	\$2.76	\$56,497	2.3%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	12,820	SF	@	\$3.65	\$46,793	1.9%
2) H	Bike Trail (2"AC/6"CNS)	38,460	SF	@	\$0.89	\$34,229	1.4%
	TOTAL ROADWAY					\$601,225	24%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	3,205	LF	@	\$16.00	\$51,280	2.1%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	7,370	LF	@	\$14.00	\$103,180	4.2%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	1,800	SF	@	\$6.53	\$11,754	0.5%
3) G	Curb Ramps	4	EA	@	\$2,500	\$10,000	0.4%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$176,214	7%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	38,460	SF	@	\$1.00	\$38,460	1.6%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	3,205	LF	@	\$14.00	\$44,870	1.8%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$83,330	3%

Golden State Blvd. -

Temperance Ave. Intersection to Manning Ave. Intersection

Station: 1124+20 to 1156+25

3,205 feet

	Item	Quantity	Unit		Unit Cost	Cost
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$566,996	\$11,340	0.5%
5) D	Fiber Optic Line & Vaults	3,205	LF	@	\$60.00	\$192,300	7.8%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$203,640	8%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	26	EA	@	\$3,500	\$91,000	3.7%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$91,000	4%

LANDSCAPE/AMENITIES

7) A	Trees Alone	292	EA	@	\$185.00	\$54,020	2.2%
7) B	Trees and Shrubs, with Irrigation	60,864	SF	@	\$3.10	\$188,678	7.7%
7) C	Wild Flowers	24,040	SF	@	\$0.10	\$2,404	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$245,102	\$49,020	2.0%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$294,123	12%

8) A	CONTINGENCY	20.0%	%	of	\$1,471,711	\$294,342	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,471,711	\$22,076	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$905,383	\$27,161	1.1%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,471,711	\$29,434	1.2%
9) F	Construction Management	13.0%	%	of	\$1,471,711	\$191,322	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$269,994	11%

Total Cost per Lineal Foot **\$769**Total Cost **\$2,464,335**

Intersection of Golden State Blvd. and Manning Ave.

Station: 1156+25 to 1167+16

1,091 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$745,735	\$74,574	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$745,735	\$74,574	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	10,910	SF	@	\$1.16	\$12,656	1.0%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$745,735	\$18,643	1.5%
1) J	Construction Staking	2.5%	%	@	\$745,735	\$18,643	1.5%
1) K	Grading	57,086	SF	@	\$0.18	\$10,275	0.8%
	TOTAL SITE PREPARATION					\$209,365	17%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	109,700	SF	@	\$2.33	\$255,601	20.6%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	1,450	SF	@	\$2.13	\$3,089	0.2%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	13,360	SF	@	\$2.76	\$36,874	3.0%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	2,182	SF	@	\$3.65	\$7,964	0.6%
2) H	Bike Trail (2"AC/6"CNS)	10,910	SF	@	\$0.89	\$9,710	0.8%
	TOTAL ROADWAY					\$313,237	25%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	1,091	LF	@	\$16.00	\$17,456	1.4%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	3,142	LF	@	\$14.00	\$43,988	3.5%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	400	SF	@	\$6.53	\$2,612	0.2%
3) G	Curb Ramps	6	EA	@	\$2,500	\$15,000	1.2%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$79,056	6%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	6,546	SF	@	\$1.00	\$6,546	0.5%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	1,091	LF	@	\$14.00	\$15,274	1.2%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$21,820	2%

Intersection of Golden State Blvd. and Manning Ave.

Station: 1156+25 to 1167+16

1,091 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	1	EA	@	\$100,000	\$100,000	8.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$303,527	\$6,071	0.5%
5) D	Fiber Optic Line & Vaults	1,091	LF	@	\$60.00	\$65,460	5.3%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	1	EA	@	\$75,000	\$75,000	6.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$246,531	20%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	4	EA	@	\$3,500	\$14,000	1.1%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$14,000	1%

LANDSCAPE/AMENITIES

7) A	Trees Alone	73	EA	@	\$185.00	\$13,505	1.1%
7) B	Trees and Shrubs, with Irrigation	9,630	SF	@	\$3.10	\$29,853	2.4%
7) C	Wild Flowers	8,728	SF	@	\$0.10	\$873	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$44,231	\$8,846	0.7%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.8%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$63,077	5%

8) A	CONTINGENCY	20.0%	%	of	\$745,735	\$149,147	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$745,735	\$11,186	0.9%
9) B	Right of Way Purchase	2,000	SF	@	\$4.00	\$8,000	0.6%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$8,000	\$2,400	0.2%
9) D	SWPPP Implementation	3.0%	%	of	\$426,769	\$12,803	1.0%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$745,735	\$14,915	1.2%
9) F	Construction Management	13.0%	%	of	\$745,735	\$96,946	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$146,249	12%

Total Cost per Lineal Foot **\$1,139**Total Cost **\$1,242,482**

**Golden State Blvd. -
Manning Ave. Intersection to DeWolf Ave. Intersection**

Station: 1167+16 to 1193+92

2,676 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,200,696	\$120,070	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$1,200,696	\$120,070	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	10,704	SF	@	\$1.16	\$12,417	0.6%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,200,696	\$30,017	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,200,696	\$30,017	1.5%
1) K	Grading	179,959	SF	@	\$0.18	\$32,393	1.6%
	TOTAL SITE PREPARATION					\$344,983	17%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	152,780	SF	@	\$2.33	\$355,977	17.7%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	5,700	SF	@	\$2.13	\$12,141	0.6%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	13,385	SF	@	\$2.76	\$36,943	1.8%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	21,556	SF	@	\$3.65	\$78,679	3.9%
2) H	Bike Trail (2"AC/6"CNS)	32,112	SF	@	\$0.89	\$28,580	1.4%
	TOTAL ROADWAY					\$512,320	25%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	2,480	LF	@	\$16.00	\$39,680	2.0%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	6,312	LF	@	\$14.00	\$88,368	4.4%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	590	SF	@	\$6.53	\$3,853	0.2%
3) G	Curb Ramps	4	EA	@	\$2,500	\$10,000	0.5%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$141,901	7%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	32,112	SF	@	\$1.00	\$32,112	1.6%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	2,676	LF	@	\$14.00	\$37,464	1.9%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$69,576	3%

**Golden State Blvd. -
Manning Ave. Intersection to DeWolf Ave. Intersection**

Station: 1167+16 to 1193+92

2,676 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$483,740	\$9,675	0.5%
5) D	Fiber Optic Line & Vaults	2,676	LF	@	\$60.00	\$160,560	8.0%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$170,235	8%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	22	EA	@	\$3,500	\$77,000	3.8%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$77,000	4%

LANDSCAPE/AMENITIES

7) A	Trees Alone	221	EA	@	\$185.00	\$40,885	2.0%
7) B	Trees and Shrubs, with Irrigation	48,924	SF	@	\$3.10	\$151,664	7.5%
7) C	Wild Flowers	19,808	SF	@	\$0.10	\$1,981	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	194,530	\$38,906	1.9%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$233,436	12%

8) A	CONTINGENCY	20.0%	%	of	\$1,200,696	\$240,139	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,200,696	\$18,010	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$736,213	\$22,086	1.1%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,200,696	\$24,014	1.2%
9) F	Construction Management	13.0%	%	of	\$1,200,696	\$156,091	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$220,201	11%

Total Cost per Lineal Foot **\$751**Total Cost **\$2,009,792**

Intersection of Golden State Blvd. and DeWolf Ave.

Station: 1193+92 to 1201+17

725 feet

	Item	Quantity	Unit		Unit Cost	Cost
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SITE PREPARATION

1)	A	Mobilization / Permits / Demobilization	10.0%	%	@	\$700,031	\$70,003	6.1%	
1)	B	Temporary Facilities	10.0%	%	@	\$700,031	\$70,003	6.1%	
1)	C	Existing Building / Structure Demolition			EA	@	\$50,000	\$0	0.0%
1)	D	Existing Concrete Demolition			SF	@	\$2.00	\$0	0.0%
1)	E	Existing Curb and Gutter Demolition			LF	@	\$3.00	\$0	0.0%
1)	F	Existing Roadway Demolition	7,085		SF	@	\$1.16	\$8,219	0.7%
1)	G	Existing Landscaping and Irrigation Demolition			SF	@	\$0.50	\$0	0.0%
1)	H	Existing Tree Removal			EA	@	\$500	\$0	0.0%
1)	I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$700,031	\$17,501	1.5%	
1)	J	Construction Staking	2.5%	%	@	\$700,031	\$17,501	1.5%	
1)	K	Grading	40,242		SF	@	\$0.18	\$7,244	0.6%
		TOTAL SITE PREPARATION					\$190,470	17%	

ROADWAY

2)	A	Crack and Seat (Pavement Detail 1)			SF	@	\$1.86	\$0	0.0%
2)	B	Grind, Crack and Seat (Pavement Detail 1)	6,040		SF	@	\$2.66	\$16,066	1.4%
2)	C	Full Depth Reclamation (Pavement Detail 2)	46,400		SF	@	\$2.33	\$108,112	9.4%
2)	D	Chip Seal (Pavement Detail 3)			SF	@	\$1.50	\$0	0.0%
2)	E	Grind and Overlay (Pavement Detail 4)	0		SF	@	\$2.13	\$0	0.0%
2)	F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	9,830		SF	@	\$2.76	\$27,131	2.4%
2)	G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0		SF	@	\$3.65	\$0	0.0%
2)	H	Bike Trail (2"AC/6"CNS)	8,700		SF	@	\$0.89	\$7,743	0.7%
		TOTAL ROADWAY					\$159,052	14%	

CURB, GUTTER, SIDEWALK

3)	A	Curb and Gutter (Barrier Detail 1)			LF	@	\$15.00	\$0	0.0%
3)	B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)			LF	@	\$30.00	\$0	0.0%
3)	C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	725		LF	@	\$16.00	\$11,600	1.0%
3)	D	Concrete Curb (Barrier Detail 5)			LF	@	\$12.00	\$0	0.0%
3)	E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	1,450		LF	@	\$14.00	\$20,300	1.8%
3)	F	Median Stamped Concrete (Barrier Detail 7,8)	200		SF	@	\$6.53	\$1,306	0.1%
3)	G	Curb Ramps	2		EA	@	\$2,500	\$5,000	0.4%
3)	H	Concrete Driveway Approach			EA	@	\$2,000	\$0	0.0%
3)	I	Concrete Sidewalk			SF	@	\$3.50	\$0	0.0%
		TOTAL CURB, GUTTER, SIDEWALK					\$38,206	3%	

STORM DRAIN

4)	A	Bio Swale (3' deep, lined with fabric)	4,350		SF	@	\$1.00	\$4,350	0.4%
4)	B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	725		LF	@	\$14.00	\$10,150	0.9%
4)	C	Concrete Valley Gutter			LF	@	\$20.00	\$0	0.0%
4)	D	Linear Drain in Gutter (Barrier Detail 2)			LF	@	\$68.22	\$0	0.0%
4)	E	Master Plan SD Pipe, Manholes, Inlets & Laterals			LF	@	\$150.00	\$0	0.0%
4)	F	Misc. Drainage Modifications			EA	@	\$50,000	\$0	0.0%
		TOTAL STORM DRAIN					\$14,500	1%	

Intersection of Golden State Blvd. and DeWolf Ave.

Station: 1193+92 to 1201+17

725 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications		EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	1	EA	@	\$300,000	\$300,000	26.1%
5) C	Signage and Striping	2.0%	%	@	\$151,309	\$3,026	0.3%
5) D	Fiber Optic Line & Vaults	725	LF	@	\$60.00	\$43,500	3.8%
5) E	RR Crossing Modifications		EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing		EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	1	EA	@	\$75,000	\$75,000	6.5%
TOTAL TRAFFIC/RAILROAD CONTROL						\$421,526	37%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification		EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement		LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	4	EA	@	\$3,500	\$14,000	1.2%
6) D	New Decorative Street Lights		EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative		EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$14,000	1%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	73	EA	@	\$185.00	\$13,505	1.2%
7) B	Trees and Shrubs, with Irrigation	8,460	SF	@	\$3.10	\$26,226	2.3%
7) C	Wild Flowers	5,800	SF	@	\$0.10	\$580	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$40,311	\$8,062	0.7%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping		EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$48,373	4%

8) A	CONTINGENCY	20.0%	%	of	\$700,031	\$140,006	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$700,031	\$10,500	0.9%
9) B	Right of Way Purchase	650	SF	@	\$4.00	\$2,600	0.2%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$2,600	\$780	0.1%
9) D	SWPPP Implementation	3.0%	%	of	\$219,977	\$6,599	0.6%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$700,031	\$14,001	1.2%
9) F	Construction Management	13.0%	%	of	\$700,031	\$91,004	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$125,484	11%

Total Cost per Lineal Foot **\$1,588**Total Cost **\$1,151,618**

**Golden State Blvd. -
DeWolf Ave. Intersection to Dinuba Ave. Intersection**

Station: 1201+17 to 1230+30

2,913 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1)	A Mobilization / Permits / Demobilization	10.0%	%	@	\$1,326,635	\$132,664	6.0%
1)	B Temporary Facilities	10.0%	%	@	\$1,326,635	\$132,664	6.0%
1)	C Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F Existing Roadway Demolition	590	SF	@	\$1.16	\$684	0.0%
1)	G Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,326,635	\$33,166	1.5%
1)	J Construction Staking	2.5%	%	@	\$1,326,635	\$33,166	1.5%
1)	K Grading	190,350	SF	@	\$0.18	\$34,263	1.5%
	TOTAL SITE PREPARATION					\$366,606	16%

ROADWAY							
2)	A Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B Grind, Crack and Seat (Pavement Detail 1)	840	SF	@	\$2.66	\$2,234	0.1%
2)	C Full Depth Reclamation (Pavement Detail 2)	198,084	SF	@	\$2.33	\$461,536	20.7%
2)	D Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	13,530	SF	@	\$2.76	\$37,343	1.7%
2)	G New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	5,826	SF	@	\$3.65	\$21,265	1.0%
2)	H Bike Trail (2"AC/6"CNS)	34,956	SF	@	\$0.89	\$31,111	1.4%
	TOTAL ROADWAY					\$553,489	25%

CURB, GUTTER, SIDEWALK							
3)	A Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	2,913	LF	@	\$16.00	\$46,608	2.1%
3)	D Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3)	E Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	6,786	LF	@	\$14.00	\$95,004	4.3%
3)	F Median Stamped Concrete (Barrier Detail 7,8)	1,080	SF	@	\$6.53	\$7,052	0.3%
3)	G Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3)	H Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$148,664	7%

STORM DRAIN							
4)	A Bio Swale (3' deep, lined with fabric)	34,956	SF	@	\$1.00	\$34,956	1.6%
4)	B AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	2,913	LF	@	\$14.00	\$40,782	1.8%
4)	C Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$75,738	3%

**Golden State Blvd. -
DeWolf Ave. Intersection to Dinuba Ave. Intersection**

Station: 1201+17 to 1230+30

2,913 feet

	Item	Quantity	Unit		Unit Cost	Cost	
TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$522,378	\$10,448	0.5%
5) D	Fiber Optic Line & Vaults	2,913	LF	@	\$60.00	\$174,780	7.8%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
	TOTAL TRAFFIC/RAILROAD CONTROL					\$185,228	8%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	24	EA	@	\$3,500	\$84,000	3.8%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
	TOTAL UTILITIES/LIGHTING					\$84,000	4%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	292	EA	@	\$185.00	\$54,020	2.4%
7) B	Trees and Shrubs, with Irrigation	64,086	SF	@	\$3.10	\$198,667	8.9%
7) C	Wild Flowers	23,304	SF	@	\$0.10	\$2,330	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$255,017	\$51,003	2.3%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
	TOTAL LANDSCAPE/AMENITIES					\$306,020	14%

8) A	CONTINGENCY	20.0%	%	of	\$1,326,635	\$265,327	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,326,635	\$19,900	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$778,575	\$23,357	1.0%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,326,635	\$26,533	1.2%
9) F	Construction Management	13.0%	%	of	\$1,326,635	\$172,463	7.7%
	TOTAL RIGHT OF WAY/PERMITTING					\$242,252	11%

Total Cost per Lineal Foot **\$765**Total Cost **\$2,227,324**

Intersection of Golden State Blvd. and Dinuba Ave.

Station: 1230+30 to 1237+50

720 feet

	Item	Quantity	Unit		Unit Cost	Cost
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SITE PREPARATION

1)	A	Mobilization / Permits / Demobilization	10.0%	%	@	\$729,000	\$72,900	6.1%
1)	B	Temporary Facilities	10.0%	%	@	\$729,000	\$72,900	6.1%
1)	C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F	Existing Roadway Demolition	2,620	SF	@	\$1.16	\$3,039	0.3%
1)	G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$729,000	\$18,225	1.5%
1)	J	Construction Staking	2.5%	%	@	\$729,000	\$18,225	1.5%
1)	K	Grading	41,907	SF	@	\$0.18	\$7,543	0.6%
		TOTAL SITE PREPARATION					\$192,833	16%

ROADWAY

2)	A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B	Grind, Crack and Seat (Pavement Detail 1)	5,140	SF	@	\$2.66	\$13,672	1.1%
2)	C	Full Depth Reclamation (Pavement Detail 2)	50,400	SF	@	\$2.33	\$117,432	9.8%
2)	D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	7,880	SF	@	\$2.76	\$21,749	1.8%
2)	G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	3,600	SF	@	\$3.65	\$13,140	1.1%
2)	H	Bike Trail (2"AC/6"CNS)	8,640	SF	@	\$0.89	\$7,690	0.6%
		TOTAL ROADWAY					\$173,683	14%

CURB, GUTTER, SIDEWALK

3)	A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	720	LF	@	\$16.00	\$11,520	1.0%
3)	D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3)	E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	2,400	LF	@	\$14.00	\$33,600	2.8%
3)	F	Median Stamped Concrete (Barrier Detail 7,8)	1,383	SF	@	\$6.53	\$9,031	0.8%
3)	G	Curb Ramps	4	EA	@	\$2,500	\$10,000	0.8%
3)	H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
		TOTAL CURB, GUTTER, SIDEWALK					\$64,151	5%

STORM DRAIN

4)	A	Bio Swale (3' deep, lined with fabric)	4,320	SF	@	\$1.00	\$4,320	0.4%
4)	B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	720	LF	@	\$14.00	\$10,080	0.8%
4)	C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
		TOTAL STORM DRAIN					\$14,400	1%

Intersection of Golden State Blvd. and Dinuba Ave.

Station: 1230+30 to 1237+50

720 feet

	Item	Quantity	Unit		Unit Cost	Cost	
TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	1	EA	@	\$300,000	\$300,000	25.0%
5) C	Signage and Striping	2.0%	%	@	\$165,993	\$3,320	0.3%
5) D	Fiber Optic Line & Vaults	720	LF	@	\$60.00	\$43,200	3.6%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	1	EA	@	\$75,000	\$75,000	6.3%
	TOTAL TRAFFIC/RAILROAD CONTROL					\$421,520	35%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	4	EA	@	\$3,500	\$14,000	1.2%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
	TOTAL UTILITIES/LIGHTING					\$14,000	1%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	72	EA	@	\$185.00	\$13,320	1.1%
7) B	Trees and Shrubs, with Irrigation	6,480	SF	@	\$3.10	\$20,088	1.7%
7) C	Wild Flowers	5,760	SF	@	\$0.10	\$576	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$33,984	\$6,797	0.6%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
	TOTAL LANDSCAPE/AMENITIES					\$40,781	3%

8) A	CONTINGENCY	20.0%	%	of	\$729,000	\$145,800	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$729,000	\$10,935	0.9%
9) B	Right of Way Purchase	600	SF	@	\$4.00	\$2,400	0.2%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$2,400	\$720	0.1%
9) D	SWPPP Implementation	3.0%	%	of	\$255,273	\$7,658	0.6%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$729,000	\$14,580	1.2%
9) F	Construction Management	13.0%	%	of	\$729,000	\$94,770	7.9%
	TOTAL RIGHT OF WAY/PERMITTING					\$131,063	11%

Total Cost per Lineal Foot **\$1,664**Total Cost **\$1,198,230**

Golden State Blvd. -**Dinuba Ave. Intersection to Highland Avenue Intersection**

Station: 1237+50 to 1274+11

3,661 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1)	A Mobilization / Permits / Demobilization	10.0%	%	@	\$1,796,950	\$179,695	6.0%
1)	B Temporary Facilities	10.0%	%	@	\$1,796,950	\$179,695	6.0%
1)	C Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F Existing Roadway Demolition	9,862	SF	@	\$1.16	\$11,440	0.4%
1)	G Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,796,950	\$44,924	1.5%
1)	J Construction Staking	2.5%	%	@	\$1,796,950	\$44,924	1.5%
1)	K Grading	250,534	SF	@	\$0.18	\$45,096	1.5%
	TOTAL SITE PREPARATION					\$505,774	17%

ROADWAY							
2)	A Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B Grind, Crack and Seat (Pavement Detail 1)	3,665	SF	@	\$2.66	\$9,749	0.3%
2)	C Full Depth Reclamation (Pavement Detail 2)	259,931	SF	@	\$2.33	\$605,639	20.1%
2)	D Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	7,830	SF	@	\$2.76	\$21,611	0.7%
2)	G New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	14,644	SF	@	\$3.65	\$53,451	1.8%
2)	H Bike Trail (2"AC/6"CNS)	43,932	SF	@	\$0.89	\$39,099	1.3%
	TOTAL ROADWAY					\$729,549	24%

CURB, GUTTER, SIDEWALK							
3)	A Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	3,661	LF	@	\$16.00	\$58,576	1.9%
3)	D Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3)	E Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	8,282	LF	@	\$14.00	\$115,948	3.8%
3)	F Median Stamped Concrete (Barrier Detail 7,8)	14,644	SF	@	\$6.53	\$95,625	3.2%
3)	G Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3)	H Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$270,149	9%

STORM DRAIN							
4)	A Bio Swale (3' deep, lined with fabric)	43,932	SF	@	\$1.00	\$43,932	1.5%
4)	B AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	3,661	LF	@	\$14.00	\$51,254	1.7%
4)	C Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$95,186	3%

Golden State Blvd. -**Dinuba Ave. Intersection to Highland Avenue Intersection**

Station: 1237+50 to 1274+11

3,661 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5)	A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0 0.0%
5)	B	New Traffic Signal	0	EA	@	\$300,000	\$0 0.0%
5)	C	Signage and Striping	2.0%	%	@	\$690,450	\$13,809 0.5%
5)	D	Fiber Optic Line & Vaults	3,661	LF	@	\$60.00	\$219,660 7.3%
5)	E	RR Crossing Modifications	0	EA	@	\$250,000	\$0 0.0%
5)	F	New RR Crossing	0	EA	@	\$500,000	\$0 0.0%
5)	G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0 0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$233,469	8%

UTILITIES/LIGHTING							
6)	A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0 0.0%
6)	B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0 0.0%
6)	C	New Street Lights	30	EA	@	\$3,500	\$105,000 3.5%
6)	D	New Decorative Street Lights	0	EA	@	\$3,500	\$0 0.0%
6)	E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0 0.0%
TOTAL UTILITIES/LIGHTING						\$105,000	3%

LANDSCAPE/AMENITIES							
7)	A	Trees Alone	367	EA	@	\$185.00	\$67,895 2.3%
7)	B	Trees and Shrubs, with Irrigation	80,660	SF	@	\$3.10	\$250,046 8.3%
7)	C	Wild Flowers	29,288	SF	@	\$0.10	\$2,929 0.1%
7)	D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$320,870	\$64,174 2.1%
7)	E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0 0.0%
7)	F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0 0.0%
TOTAL LANDSCAPE/AMENITIES						\$385,044	13%

8)	A	CONTINGENCY	20.0%	%	of	\$1,796,950	\$359,390 12%
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RIGHT OF WAY/PERMITTING							
9)	A	Construction Administration (Engineer)	1.5%	%	of	\$1,796,950	\$26,954 0.9%
9)	B	Right of Way Purchase	0	SF	@	\$4.00	\$0 0.0%
9)	C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0 0.0%
9)	D	SWPPP Implementation	3.0%	%	of	\$1,106,324	\$33,190 1.1%
9)	E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,796,950	\$35,939 1.2%
9)	F	Construction Management	13.0%	%	of	\$1,796,950	\$233,604 7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$329,687	11%

Total Cost per Lineal Foot **\$823**Total Cost **\$3,013,247**

Intersection of Golden State Blvd. and Highland Ave.

Station: 1274+11 to 1280+14

603 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1)	A Mobilization / Permits / Demobilization	10.0%	%	@	\$641,395	\$64,140	6.1%
1)	B Temporary Facilities	10.0%	%	@	\$641,395	\$64,140	6.1%
1)	C Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F Existing Roadway Demolition	600	SF	@	\$1.16	\$696	0.1%
1)	G Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$641,395	\$16,035	1.5%
1)	J Construction Staking	2.5%	%	@	\$641,395	\$16,035	1.5%
1)	K Grading	19,586	SF	@	\$0.18	\$3,525	0.3%
	TOTAL SITE PREPARATION					\$164,570	16%

ROADWAY							
2)	A Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B Grind, Crack and Seat (Pavement Detail 1)	10,200	SF	@	\$2.66	\$27,132	2.6%
2)	C Full Depth Reclamation (Pavement Detail 2)	42,404	SF	@	\$2.33	\$98,801	9.4%
2)	D Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	2,818	SF	@	\$2.76	\$7,778	0.7%
2)	G New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	1,206	SF	@	\$3.65	\$4,402	0.4%
2)	H Bike Trail (2"AC/6"CNS)	6,030	SF	@	\$0.89	\$5,367	0.5%
	TOTAL ROADWAY					\$143,480	14%

CURB, GUTTER, SIDEWALK							
3)	A Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	605	LF	@	\$16.00	\$9,680	0.9%
3)	D Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3)	E Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	2,166	LF	@	\$14.00	\$30,324	2.9%
3)	F Median Stamped Concrete (Barrier Detail 7,8)	1,968	SF	@	\$6.53	\$12,851	1.2%
3)	G Curb Ramps	3	EA	@	\$2,500	\$7,500	0.7%
3)	H Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$60,355	6%

STORM DRAIN							
4)	A Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	250	LF	@	\$14.00	\$3,500	0.3%
4)	C Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$3,500	0%

Intersection of Golden State Blvd. and Highland Ave.

Station: 1274+11 to 1280+14

603 feet

	Item	Quantity	Unit		Unit Cost	Cost	
TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	1	EA	@	\$100,000	\$100,000	9.5%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$138,113	\$2,762	0.3%
5) D	Fiber Optic Line & Vaults	603	LF	@	\$60.00	\$36,180	3.4%
5) E	RR Crossing Modifications	1	EA	@	\$250,000	\$250,000	23.7%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
	TOTAL TRAFFIC/RAILROAD CONTROL					\$388,942	37%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	4	EA	@	\$3,500	\$14,000	1.3%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
	TOTAL UTILITIES/LIGHTING					\$14,000	1%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	61	EA	@	\$185.00	\$11,285	1.1%
7) B	Trees and Shrubs, with Irrigation	2,640	SF	@	\$3.10	\$8,184	0.8%
7) C	Wild Flowers	1,900	SF	@	\$0.10	\$190	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$19,659	\$3,932	0.4%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.9%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
	TOTAL LANDSCAPE/AMENITIES					\$33,591	3%

8) A	CONTINGENCY	20.0%	%	of	\$641,395	\$128,279	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$641,395	\$9,621	0.9%
9) B	Right of Way Purchase	1,000	SF	@	\$4.00	\$4,000	0.4%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$4,000	\$1,200	0.1%
9) D	SWPPP Implementation	3.0%	%	of	\$208,031	\$6,241	0.6%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$641,395	\$12,828	1.2%
9) F	Construction Management	13.0%	%	of	\$641,395	\$83,381	7.9%
	TOTAL RIGHT OF WAY/PERMITTING					\$117,271	11%

Total Cost per Lineal Foot **\$1,748**Total Cost **\$1,053,988**

Whitson St. - Highland Ave. Intersection to Floral Ave.

Station: 1280+14 to 1300+00

1,986 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1)	A Mobilization / Permits / Demobilization	10.0%	%	@	\$683,904	\$68,390	6.0%
1)	B Temporary Facilities	10.0%	%	@	\$683,904	\$68,390	6.0%
1)	C Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F Existing Roadway Demolition	4,800	SF	@	\$1.16	\$5,568	0.5%
1)	G Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$683,904	\$17,098	1.5%
1)	J Construction Staking	2.5%	%	@	\$683,904	\$17,098	1.5%
1)	K Grading	48,044	SF	@	\$0.18	\$8,648	0.8%
	TOTAL SITE PREPARATION					\$185,192	16%

ROADWAY							
2)	A Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B Grind, Crack and Seat (Pavement Detail 1)	2,000	SF	@	\$2.66	\$5,320	0.5%
2)	C Full Depth Reclamation (Pavement Detail 2)	114,886	SF	@	\$2.33	\$267,684	23.4%
2)	D Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	800	SF	@	\$2.76	\$2,208	0.2%
2)	G New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	1,100	SF	@	\$3.65	\$4,015	0.4%
2)	H Bike Trail (2"AC/6"CNS)	5,304	SF	@	\$0.89	\$4,721	0.4%
	TOTAL ROADWAY					\$283,948	25%

CURB, GUTTER, SIDEWALK							
3)	A Curb and Gutter (Barrier Detail 1)	2,610	LF	@	\$15.00	\$39,150	3.4%
3)	B Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3)	D Concrete Curb (Barrier Detail 5)	3,706	LF	@	\$12.00	\$44,472	3.9%
3)	E Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3)	F Median Stamped Concrete (Barrier Detail 7,8)	7,412	SF	@	\$6.53	\$48,400	4.2%
3)	G Curb Ramps	2	EA	@	\$2,500	\$5,000	0.4%
3)	H Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$137,022	12%

STORM DRAIN							
4)	A Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	530	LF	@	\$14.00	\$7,420	0.6%
4)	C Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$7,420	1%

Whitson St. - Highland Ave. Intersection to Floral Ave.

Station: 1280+14 to 1300+00

1,986 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$279,227	\$5,585	0.5%
5) D	Fiber Optic Line & Vaults	1,853	LF	@	\$60.00	\$111,180	9.7%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$116,765	10%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	15	EA	@	\$3,500	\$52,500	4.6%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$52,500	5%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	52	EA	@	\$185.00	\$9,620	0.8%
7) B	Trees and Shrubs, with Irrigation	21,780	SF	@	\$3.10	\$67,518	5.9%
7) C	Wild Flowers	4,800	SF	@	\$0.10	\$480	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$77,618	\$15,524	1.4%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$93,142	8%

8) A	CONTINGENCY	20.0%	%	of	\$683,904	\$136,781	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$683,904	\$10,259	0.9%
9) B	Right of Way Purchase	800	SF	@	\$4.00	\$3,200	0.3%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$3,200	\$960	0.1%
9) D	SWPPP Implementation	3.0%	%	of	\$433,958	\$13,019	1.1%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$683,904	\$13,678	1.2%
9) F	Construction Management	13.0%	%	of	\$683,904	\$88,908	7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$130,023	11%

Total Cost per Lineal Foot **\$575**Total Cost **\$1,142,792**

W Front St. - Whitson St. to Floral Ave.

Station: 1286+00 to 1300+30

1,430 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1)	A Mobilization / Permits / Demobilization	10.0%	%	@	\$134,446	\$13,445	5.8%
1)	B Temporary Facilities	10.0%	%	@	\$134,446	\$13,445	5.8%
1)	C Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F Existing Roadway Demolition	12,700	SF	@	\$1.16	\$14,732	6.4%
1)	G Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$134,446	\$3,361	1.5%
1)	J Construction Staking	2.5%	%	@	\$134,446	\$3,361	1.5%
1)	K Grading	78,340	SF	@	\$0.18	\$14,101	6.1%
	TOTAL SITE PREPARATION					\$62,445	27%

ROADWAY							
2)	A Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2)	C Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2)	D Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	17,600	SF	@	\$2.76	\$48,576	21.1%
2)	G New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2)	H Bike Trail (2"AC/6"CNS)	2,760	SF	@	\$0.89	\$2,456	1.1%
	TOTAL ROADWAY					\$51,032	22%

CURB, GUTTER, SIDEWALK							
3)	A Curb and Gutter (Barrier Detail 1)	700	LF	@	\$15.00	\$10,500	4.6%
3)	B Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3)	D Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3)	E Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3)	F Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3)	G Curb Ramps	2	EA	@	\$2,500	\$5,000	2.2%
3)	H Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$15,500	7%

STORM DRAIN							
4)	A Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	1,720	LF	@	\$14.00	\$24,080	10.5%
4)	C Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F Misc. Drainage Modifications	0.3	EA	@	\$50,000	\$15,000	6.5%
	TOTAL STORM DRAIN					\$39,080	17%

W Front St. - Whitson St. to Floral Ave.

Station: 1286+00 to 1300+30

1,430 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5)	A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0 0.0%
5)	B	New Traffic Signal	0	EA	@	\$300,000	\$0 0.0%
5)	C	Signage and Striping	10.0%	%	@	\$48,576	\$4,858 2.1%
5)	D	Fiber Optic Line & Vaults	0	LF	@	\$60.00	\$0 0.0%
5)	E	RR Crossing Modifications	0	EA	@	\$250,000	\$0 0.0%
5)	F	New RR Crossing	0	EA	@	\$500,000	\$0 0.0%
5)	G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0 0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$4,858	2%

UTILITIES/LIGHTING							
6)	A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0 0.0%
6)	B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0 0.0%
6)	C	New Street Lights	0	EA	@	\$3,500	\$0 0.0%
6)	D	New Decorative Street Lights	0	EA	@	\$3,500	\$0 0.0%
6)	E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0 0.0%
TOTAL UTILITIES/LIGHTING						\$0	0%

LANDSCAPE/AMENITIES							
7)	A	Trees Alone	0	EA	@	\$185.00	\$0 0.0%
7)	B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0 0.0%
7)	C	Wild Flowers	0	SF	@	\$0.10	\$0 0.0%
7)	D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0 0.0%
7)	E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0 0.0%
7)	F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0 0.0%
TOTAL LANDSCAPE/AMENITIES						\$0	0%

8)	A	CONTINGENCY	20.0%	%	of	\$134,446	\$26,889 12%
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RIGHT OF WAY/PERMITTING							
9)	A	Construction Administration (Engineer)	1.5%	%	of	\$134,446	\$2,017 0.9%
9)	B	Right of Way Purchase	800	SF	@	\$4.00	\$3,200 1.4%
9)	C	Right of Way Acquisition / Documents	30.0%	%	of	\$3,200	\$960 0.4%
9)	D	SWPPP Implementation	3.0%	%	of	\$130,344	\$3,910 1.7%
9)	E	Geotechnical Engineer / Testing	2.0%	%	of	\$134,446	\$2,689 1.2%
9)	F	Construction Management	13.0%	%	of	\$134,446	\$17,478 7.6%
TOTAL RIGHT OF WAY/PERMITTING						\$30,254	13%

Total Cost per Lineal Foot **\$161**Total Cost **\$230,058**

W Front St. - Floral Ave. to North Ave.

Station: 1300+30 to 1339+50

3,920 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1)	A Mobilization / Permits / Demobilization	10.0%	%	@	\$10,734	\$1,073	7.0%
1)	B Temporary Facilities	10.0%	%	@	\$0	\$0	0.0%
1)	C Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F Existing Roadway Demolition	0	SF	@	\$1.16	\$0	0.0%
1)	G Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$0	\$0	0.0%
1)	J Construction Staking	2.5%	%	@	\$0	\$0	0.0%
1)	K Grading	0	SF	@	\$0.18	\$0	0.0%
	0					\$1,073	7%

ROADWAY							
2)	A Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2)	C Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2)	D Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	0	SF	@	\$2.76	\$0	0.0%
2)	G New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2)	H Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$0	0%

CURB, GUTTER, SIDEWALK							
3)	A Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3)	D Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3)	E Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3)	F Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3)	G Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3)	H Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$0	0%

STORM DRAIN							
4)	A Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4)	C Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$0	0%

W Front St. - Floral Ave. to North Ave.

Station: 1300+30 to 1339+50

3,920 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping for Bike Lanes (by lineal foot)	3,578	LF	@	\$3	\$10,734	69.9%
5) D	Fiber Optic Line & Vaults	0	LF	@	\$60.00	\$0	0.0%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$10,734	70%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$0	0%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0	0.0%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$0	0%

8) A	CONTINGENCY	20.0%	%	of	\$10,734	\$2,147	14%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$0	\$0	0.0%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$0	\$0	0.0%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$0	\$0	0.0%
9) F	Construction Management	13.0%	%	of	\$10,734	\$1,395	9.1%
TOTAL RIGHT OF WAY/PERMITTING						\$1,395	9%

Total Cost per Lineal Foot **\$4**Total Cost **\$15,350**

W Front St. - North Ave. to Third Ave.

Station: 1339+50 to 1355+00

1,550 feet

	Item	Quantity	Unit		Unit Cost	Cost
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SITE PREPARATION

1)	A	Mobilization / Permits / Demobilization	10.0%	%	@	\$4,620	\$462	7.0%
1)	B	Temporary Facilities	10.0%	%	@	\$0	\$0	0.0%
1)	C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F	Existing Roadway Demolition	0	SF	@	\$1.16	\$0	0.0%
1)	G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$0	\$0	0.0%
1)	J	Construction Staking	2.5%	%	@	\$0	\$0	0.0%
1)	K	Grading	0	SF	@	\$0.18	\$0	0.0%
		TOTAL SITE PREPARATION					\$462	7%

ROADWAY

2)	A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2)	C	Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2)	D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	0	SF	@	\$2.76	\$0	0.0%
2)	G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2)	H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
		TOTAL ROADWAY					\$0	0%

CURB, GUTTER, SIDEWALK

3)	A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3)	D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3)	E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3)	F	Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3)	G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3)	H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
		TOTAL CURB, GUTTER, SIDEWALK					\$0	0%

STORM DRAIN

4)	A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4)	C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
		TOTAL STORM DRAIN					\$0	0%

W Front St. - North Ave. to Third Ave.

Station: 1339+50 to 1355+00

1,550 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping for Bike Lanes (by lineal foot)	1,540	LF	@	\$3.00	\$4,620	69.9%
5) D	Fiber Optic Line & Vaults	0	LF	@	\$60.00	\$0	0.0%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$4,620	70%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$0	0%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0	0.0%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$0	0%

8) A	CONTINGENCY	20.0%	%	of	\$4,620	\$924	14%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$0	\$0	0.0%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$0	\$0	0.0%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$0	\$0	0.0%
9) F	Construction Management	13.0%	%	of	\$4,620	\$601	9.1%
TOTAL RIGHT OF WAY/PERMITTING						\$601	9%

Total Cost per Lineal Foot **\$4**Total Cost **\$6,607**

W Front St. - Third St. to Whitson St.

Station: 1355+00 to 1368+00

1,300 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1)	A Mobilization / Permits / Demobilization	10.0%	%	@	\$89,250	\$8,925	5.2%
1)	B Temporary Facilities	10.0%	%	@	\$89,250	\$8,925	5.2%
1)	C Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F Existing Roadway Demolition	27,000	SF	@	\$1.16	\$31,320	18.4%
1)	G Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$89,250	\$2,231	1.3%
1)	J Construction Staking	2.5%	%	@	\$89,250	\$2,231	1.3%
1)	K Grading	63,800	SF	@	\$0.18	\$11,484	6.7%
	TOTAL SITE PREPARATION					\$65,116	38%

ROADWAY							
2)	A Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2)	C Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2)	D Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	5,500	SF	@	\$2.76	\$15,180	8.9%
2)	G New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2)	H Bike Trail (2"AC/6"CNS)	2,040	SF	@	\$0.89	\$1,816	1.1%
	TOTAL ROADWAY					\$16,996	10%

CURB, GUTTER, SIDEWALK							
3)	A Curb and Gutter (Barrier Detail 1)	350	LF	@	\$15.00	\$5,250	3.1%
3)	B Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3)	D Concrete Curb (Barrier Detail 5)	350	LF	@	\$12.00	\$4,200	2.5%
3)	E Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3)	F Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3)	G Curb Ramps	2	EA	@	\$2,500	\$5,000	2.9%
3)	H Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$14,450	8%

STORM DRAIN							
4)	A Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4)	C Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F Misc. Drainage Modifications	0.3	EA	@	\$50,000	\$15,000	8.8%
	TOTAL STORM DRAIN					\$15,000	9%

W Front St. - Third St. to Whitson St.

Station: 1355+00 to 1368+00

1,300 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5)	A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0 0.0%
5)	B	New Traffic Signal	0	EA	@	\$300,000	\$0 0.0%
5)	C	Signage and Striping	10.0%	%	@	\$15,180	\$1,518 0.9%
5)	D	Fiber Optic Line & Vaults	0	LF	@	\$60.00	\$0 0.0%
5)	E	RR Crossing Modifications	0	EA	@	\$250,000	\$0 0.0%
5)	F	New RR Crossing	0	EA	@	\$500,000	\$0 0.0%
5)	G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0 0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$1,518	1%

UTILITIES/LIGHTING							
6)	A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0 0.0%
6)	B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0 0.0%
6)	C	New Street Lights	0	EA	@	\$3,500	\$0 0.0%
6)	D	New Decorative Street Lights	0	EA	@	\$3,500	\$0 0.0%
6)	E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0 0.0%
TOTAL UTILITIES/LIGHTING						\$0	0%

LANDSCAPE/AMENITIES							
7)	A	Trees Alone	0	EA	@	\$185.00	\$0 0.0%
7)	B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0 0.0%
7)	C	Wild Flowers	0	SF	@	\$0.10	\$0 0.0%
7)	D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0 0.0%
7)	E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0 0.0%
7)	F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0 0.0%
TOTAL LANDSCAPE/AMENITIES						\$0	0%

8)	A	CONTINGENCY	20.0%	%	of	\$89,250	\$17,850 10%
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RIGHT OF WAY/PERMITTING							
9)	A	Construction Administration (Engineer)	1.5%	%	of	\$89,250	\$1,339 0.8%
9)	B	Right of Way Purchase	4,250	SF	@	\$4.00	\$17,000 10.0%
9)	C	Right of Way Acquisition / Documents	30.0%	%	of	\$17,000	\$5,100 3.0%
9)	D	SWPPP Implementation	3.0%	%	of	\$87,766	\$2,633 1.5%
9)	E	Geotechnical Engineer / Testing	2.0%	%	of	\$89,250	\$1,785 1.0%
9)	F	Construction Management	13.0%	%	of	\$89,250	\$11,602 6.8%
TOTAL RIGHT OF WAY/PERMITTING						\$39,459	23%

Total Cost per Lineal Foot **\$131**Total Cost **\$170,389**

Whitson St. - Floral Ave. to North Ave.

Station: 1303+30 to 1339+31

3,601 feet

	Item	Quantity	Unit		Unit Cost	Cost
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SITE PREPARATION

1)	A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,023,467	\$102,347	6.1%
1)	B	Temporary Facilities	10.0%	%	@	\$1,023,467	\$102,347	6.1%
1)	C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F	Existing Roadway Demolition	0	SF	@	\$1.16	\$0	0.0%
1)	G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,023,467	\$25,587	1.5%
1)	J	Construction Staking	2.5%	%	@	\$1,023,467	\$25,587	1.5%
1)	K	Grading	0	SF	@	\$0.18	\$0	0.0%
TOTAL SITE PREPARATION							\$255,867	15%

ROADWAY

2)	A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2)	C	Full Depth Reclamation (Pavement Detail 2)	298,878	SF	@	\$2.33	\$696,386	41.3%
2)	D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	0	SF	@	\$2.76	\$0	0.0%
2)	G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2)	H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
TOTAL ROADWAY							\$696,386	41%

CURB, GUTTER, SIDEWALK

3)	A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3)	D	Concrete Curb (Barrier Detail 5)	250	LF	@	\$12.00	\$3,000	0.2%
3)	E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3)	F	Median Stamped Concrete (Barrier Detail 7,8)	40	SF	@	\$6.53	\$261	0.0%
3)	G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3)	H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
TOTAL CURB, GUTTER, SIDEWALK							\$3,261	0%

STORM DRAIN

4)	A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4)	C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
TOTAL STORM DRAIN							\$0	0%

Whitson St. - Floral Ave. to North Ave.

Station: 1303+30 to 1339+31

3,601 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$696,386	\$13,928	0.8%
5) D	Fiber Optic Line & Vaults	3,897	LF	@	\$60.00	\$233,820	13.9%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$247,748	15%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	20	EA	@	\$4,000	\$80,000	4.7%
TOTAL UTILITIES/LIGHTING						\$80,000	5%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0	0.0%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.6%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$10,000	1%

8) A	CONTINGENCY	20.0%	%	of	\$1,023,467	\$204,693	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,023,467	\$15,352	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$699,647	\$20,989	1.2%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,023,467	\$20,469	1.2%
9) F	Construction Management	13.0%	%	of	\$1,023,467	\$133,051	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$189,861	11%

Total Cost per Lineal Foot **\$469**Total Cost **\$1,687,816**

Whitson St. - North Ave. to W Front St.

Station: 1339+31 to 1368+35

2,904 feet

	Item	Quantity	Unit		Unit Cost	Cost
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SITE PREPARATION

1)	A	Mobilization / Permits / Demobilization	10.0%	%	@	\$794,432	\$79,443	6.1%
1)	B	Temporary Facilities	10.0%	%	@	\$794,432	\$79,443	6.1%
1)	C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F	Existing Roadway Demolition	0	SF	@	\$1.16	\$0	0.0%
1)	G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$794,432	\$19,861	1.5%
1)	J	Construction Staking	2.5%	%	@	\$794,432	\$19,861	1.5%
1)	K	Grading	0	SF	@	\$0.18	\$0	0.0%
TOTAL SITE PREPARATION							\$198,608	15%

ROADWAY

2)	A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2)	C	Full Depth Reclamation (Pavement Detail 2)	188,500	SF	@	\$2.33	\$439,205	33.5%
2)	D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	0	SF	@	\$2.76	\$0	0.0%
2)	G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2)	H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
TOTAL ROADWAY							\$439,205	34%

CURB, GUTTER, SIDEWALK

3)	A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3)	D	Concrete Curb (Barrier Detail 5)	620	LF	@	\$12.00	\$7,440	0.6%
3)	E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3)	F	Median Stamped Concrete (Barrier Detail 7,8)	580	SF	@	\$6.53	\$3,787	0.3%
3)	G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3)	H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
TOTAL CURB, GUTTER, SIDEWALK							\$11,227	1%

STORM DRAIN

4)	A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4)	C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
TOTAL STORM DRAIN							\$0	0%

Whitson St. - North Ave. to W Front St.

Station: 1339+31 to 1368+35

2,904 feet

	Item	Quantity	Unit		Unit Cost	Cost	
TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$439,205	\$8,784	0.7%
5) D	Fiber Optic Line & Vaults	2,900	LF	@	\$60.00	\$174,000	13.3%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
	TOTAL TRAFFIC/RAILROAD CONTROL					\$182,784	14%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	15	EA	@	\$4,000	\$60,000	4.6%
	TOTAL UTILITIES/LIGHTING					\$60,000	5%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0	0.0%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.8%
7) F	Special Concrete Artwork, Sign and Landscaping	1	EA	@	\$100,000	\$100,000	7.6%
	TOTAL LANDSCAPE/AMENITIES					\$110,000	8%

8) A	CONTINGENCY	20.0%	%	of	\$794,432	\$158,886	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$794,432	\$11,916	0.9%
9) B	Right of Way Purchase	1,100	SF	@	\$4.00	\$4,400	0.3%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$4,400	\$1,320	0.1%
9) D	SWPPP Implementation	3.0%	%	of	\$450,432	\$13,513	1.0%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$794,432	\$15,889	1.2%
9) F	Construction Management	13.0%	%	of	\$794,432	\$103,276	7.9%
	TOTAL RIGHT OF WAY/PERMITTING					\$150,314	11%

Total Cost per Lineal Foot **\$451**Total Cost **\$1,311,025**

Whitson St. - W Front St. to Park St. (Nebraska St.)

Station: 1368+35 to 1375+73

738 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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SITE PREPARATION

1)	A	Mobilization / Permits / Demobilization	10.0%	%	@	\$282,639	\$28,264	5.9%
1)	B	Temporary Facilities	10.0%	%	@	\$282,639	\$28,264	5.9%
1)	C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F	Existing Roadway Demolition	1,500	SF	@	\$1.16	\$1,740	0.4%
1)	G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$282,639	\$7,066	1.5%
1)	J	Construction Staking	2.5%	%	@	\$282,639	\$7,066	1.5%
1)	K	Grading	24,491	SF	@	\$0.18	\$4,408	0.9%
		TOTAL SITE PREPARATION					\$76,808	16%

ROADWAY

2)	A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2)	B	Grind, Crack and Seat (Pavement Detail 1)	800	SF	@	\$2.66	\$2,128	0.4%
2)	C	Full Depth Reclamation (Pavement Detail 2)	47,250	SF	@	\$2.33	\$110,093	23.1%
2)	D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2)	F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	3,700	SF	@	\$2.76	\$10,212	2.1%
2)	G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2)	H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
		TOTAL ROADWAY					\$122,433	26%

CURB, GUTTER, SIDEWALK

3)	A	Curb and Gutter (Barrier Detail 1)	430	LF	@	\$15.00	\$6,450	1.4%
3)	B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3)	C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3)	D	Concrete Curb (Barrier Detail 5)	610	LF	@	\$12.00	\$7,320	1.5%
3)	E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3)	F	Median Stamped Concrete (Barrier Detail 7,8)	890	SF	@	\$6.53	\$5,812	1.2%
3)	G	Curb Ramps	1	EA	@	\$2,500	\$2,500	0.5%
3)	H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
		TOTAL CURB, GUTTER, SIDEWALK					\$22,082	5%

STORM DRAIN

4)	A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4)	B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4)	C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
		TOTAL STORM DRAIN					\$0	0%

Whitson St. - W Front St. to Park St. (Nebraska St.)

Station: 1368+35 to 1375+73

738 feet

	Item	Quantity	Unit		Unit Cost	Cost	
TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$122,433	\$2,449	0.5%
5) D	Fiber Optic Line & Vaults	750	LF	@	\$60.00	\$45,000	9.4%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$47,449	10%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	5	EA	@	\$4,000	\$20,000	4.2%
TOTAL UTILITIES/LIGHTING						\$20,000	4%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	46	EA	@	\$185.00	\$8,510	1.8%
7) B	Trees and Shrubs, with Irrigation	18,860	SF	@	\$3.10	\$58,466	12.3%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$66,976	\$13,395	2.8%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$80,371	17%

8) A	CONTINGENCY	20.0%	%	of	\$282,639	\$56,528	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$282,639	\$4,240	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$146,254	\$4,388	0.9%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$282,639	\$5,653	1.2%
9) F	Construction Management	13.0%	%	of	\$282,639	\$36,743	7.7%
TOTAL RIGHT OF WAY/PERMITTING						\$51,023	11%

Total Cost per Lineal Foot **\$646**Total Cost **\$476,693**

Golden State Blvd. -**Park St. (Nebraska St.) to Mountain View Ave. Intersection**

Station: 1375+73 to 1441+64

6,591 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1)	A Mobilization / Permits / Demobilization	10.0%	%	@	\$2,835,280	\$283,528	6.0%
1)	B Temporary Facilities	10.0%	%	@	\$2,835,280	\$283,528	6.0%
1)	C Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1)	D Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1)	E Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1)	F Existing Roadway Demolition	31,382	SF	@	\$1.16	\$36,403	0.8%
1)	G Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1)	H Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1)	I Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$2,835,280	\$70,882	1.5%
1)	J Construction Staking	2.5%	%	@	\$2,835,280	\$70,882	1.5%
1)	K Grading	307,910	SF	@	\$0.18	\$55,424	1.2%
	TOTAL SITE PREPARATION					\$800,647	17%
ROADWAY							
2)	A Crack and Seat (Pavement Detail 1)	66,240	SF	@	\$1.86	\$123,206	2.6%
2)	B Grind, Crack and Seat (Pavement Detail 1)	71,323	SF	@	\$2.66	\$189,719	4.0%
2)	C Full Depth Reclamation (Pavement Detail 2)	325,436	SF	@	\$2.33	\$758,266	16.1%
2)	D Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2)	E Grind and Overlay (Pavement Detail 4)	12,250	SF	@	\$2.13	\$26,093	0.6%
2)	F New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	15,981	SF	@	\$2.76	\$44,108	0.9%
2)	G New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	26,364	SF	@	\$3.65	\$96,229	2.0%
2)	H Bike Trail (2"AC/6"CNS)	79,092	SF	@	\$0.89	\$70,392	1.5%
	TOTAL ROADWAY					\$1,308,012	28%
CURB, GUTTER, SIDEWALK							
3)	A Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3)	B Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	5,981	LF	@	\$30.00	\$179,430	3.8%
3)	C Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	6,591	LF	@	\$16.00	\$105,456	2.2%
3)	D Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3)	E Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	7,201	LF	@	\$14.00	\$100,814	2.1%
3)	F Median Stamped Concrete (Barrier Detail 7,8)	1,308	SF	@	\$6.53	\$8,541	0.2%
3)	G Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3)	H Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3)	I Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$394,241	8%
STORM DRAIN							
4)	A Bio Swale (3' deep, lined with fabric)	79,092	SF	@	\$1.00	\$79,092	1.7%
4)	B AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	6,591	LF	@	\$14.00	\$92,274	2.0%
4)	C Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4)	D Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4)	E Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4)	F Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$171,366	4%

Golden State Blvd. -

Park St. (Nebraska St.) to Mountain View Ave. Intersection

Station: 1375+73 to 1441+64

6,591 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5)	A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0 0.0%
5)	B	New Traffic Signal	0	EA	@	\$300,000	\$0 0.0%
5)	C	Signage and Striping	2.0%	%	@	\$1,237,620	\$24,752 0.5%
5)	D	Fiber Optic Line & Vaults	6,591	LF	@	\$60.00	\$395,460 8.4%
5)	E	RR Crossing Modifications	0	EA	@	\$250,000	\$0 0.0%
5)	F	New RR Crossing	0	EA	@	\$500,000	\$0 0.0%
5)	G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0 0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$420,212	9%

UTILITIES/LIGHTING							
6)	A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0 0.0%
6)	B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0 0.0%
6)	C	New Street Lights	53	EA	@	\$3,500	\$185,500 3.9%
6)	D	New Decorative Street Lights	0	EA	@	\$3,500	\$0 0.0%
6)	E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0 0.0%
TOTAL UTILITIES/LIGHTING						\$185,500	4%

LANDSCAPE/AMENITIES							
7)	A	Trees Alone	660	EA	@	\$185.00	\$122,100 2.6%
7)	B	Trees and Shrubs, with Irrigation	52,735	SF	@	\$3.10	\$163,479 3.5%
7)	C	Wild Flowers	32,955	SF	@	\$0.10	\$3,296 0.1%
7)	D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	288,874	\$57,775 1.2%
7)	E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0 0.0%
7)	F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0 0.0%
TOTAL LANDSCAPE/AMENITIES						\$346,649	7%

8)	A	CONTINGENCY	20.0%	%	of	\$2,835,280	\$567,056 12%
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RIGHT OF WAY/PERMITTING							
9)	A	Construction Administration (Engineer)	1.5%	%	of	\$2,835,280	\$42,529 0.9%
9)	B	Right of Way Purchase	0	SF	@	\$4.00	\$0 0.0%
9)	C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0 0.0%
9)	D	SWPPP Implementation	3.0%	%	of	\$1,910,022	\$57,301 1.2%
9)	E	Geotechnical Engineer / Testing	2.0%	%	of	\$2,835,280	\$56,706 1.2%
9)	F	Construction Management	13.0%	%	of	\$2,835,280	\$368,586 7.8%
TOTAL RIGHT OF WAY/PERMITTING						\$525,122	11%

Total Cost per Lineal Foot **\$716**Total Cost **\$4,718,805**

Intersection of Golden State Blvd. and Mountain View Ave.

Station: 1441+64 to 1449+95

831 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$999,167	\$99,917	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$999,167	\$99,917	6.1%
1) C	Existing Building / Structure Demolition		EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition		SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition		LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	3,160	SF	@	\$1.16	\$3,666	0.2%
1) G	Existing Landscaping and Irrigation Demolition		SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal		EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$999,167	\$24,979	1.5%
1) J	Construction Staking	2.5%	%	@	\$999,167	\$24,979	1.5%
1) K	Grading	27,272	SF	@	\$0.18	\$4,909	0.3%
	TOTAL SITE PREPARATION					\$258,366	16%

ROADWAY							
2) A	Crack and Seal (Pavement Detail 1)		SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seal (Pavement Detail 1)	19,113	SF	@	\$2.66	\$50,841	3.1%
2) C	Full Depth Reclamation (Pavement Detail 2)	51,910	SF	@	\$2.33	\$120,950	7.4%
2) D	Chip Seal (Pavement Detail 3)		SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	9,120	SF	@	\$2.13	\$19,426	1.2%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	8,710	SF	@	\$2.76	\$24,040	1.5%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	2,784	SF	@	\$0.89	\$2,478	0.2%
	TOTAL ROADWAY					\$217,734	13%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	890	LF	@	\$15.00	\$13,350	0.8%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	840	LF	@	\$30.00	\$25,200	1.5%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	1,470	LF	@	\$12.00	\$17,640	1.1%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	210	LF	@	\$14.00	\$2,940	0.2%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	1,403	SF	@	\$6.53	\$9,162	0.6%
3) G	Curb Ramps	4	EA	@	\$2,500	\$10,000	0.6%
3) H	Concrete Driveway Approach		EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk		SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$78,292	5%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	1,990	SF	@	\$1.00	\$1,990	0.1%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	365	LF	@	\$14.00	\$5,110	0.3%
4) C	Concrete Valley Gutter		LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	625	LF	@	\$68.22	\$42,638	2.6%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals		LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications		EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$49,738	3%

Intersection of Golden State Blvd. and Mountain View Ave.

Station: 1441+64 to 1449+95

831 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications		EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	1	EA	@	\$300,000	\$300,000	18.2%
5) C	Signage and Striping	2.0%	%	@	\$215,256	\$4,305	0.3%
5) D	Fiber Optic Line & Vaults	831	LF	@	\$60.00	\$49,860	3.0%
5) E	RR Crossing Modifications	1	EA	@	\$250,000	\$250,000	15.2%
5) F	New RR Crossing		EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal		EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$604,165	37%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification		EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement		LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	8	EA	@	\$3,500	\$28,000	1.7%
6) D	New Decorative Street Lights		EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative		EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$28,000	2%

LANDSCAPE/AMENITIES

7) A	Trees Alone	33	EA	@	\$185.00	\$6,105	0.4%
7) B	Trees and Shrubs, with Irrigation		SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	8,650	SF	@	\$0.10	\$865	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$6,970	\$1,394	0.1%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.6%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$18,364	1%

8) A	CONTINGENCY	20.0%	%	of	\$999,167	\$199,833	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$999,167	\$14,988	0.9%
9) B	Right of Way Purchase	3,060	SF	@	\$4.00	\$12,240	0.7%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$12,240	\$3,672	0.2%
9) D	SWPPP Implementation	3.0%	%	of	\$306,791	\$9,204	0.6%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$999,167	\$19,983	1.2%
9) F	Construction Management	13.0%	%	of	\$999,167	\$129,892	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$189,978	12%

Total Cost per Lineal Foot **\$1,979**Total Cost **\$1,644,470**

Golden State Blvd. - Mountain View Ave. Intersection to Amber Ave. Station: 1449+95 to 1455+37

542 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$406,578	\$40,658	6.0%
1) B	Temporary Facilities	10.0%	%	@	\$406,578	\$40,658	6.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	7,050	SF	@	\$1.16	\$8,178	1.2%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$406,578	\$10,164	1.5%
1) J	Construction Staking	2.5%	%	@	\$406,578	\$10,164	1.5%
1) K	Grading	20,054	SF	@	\$0.18	\$3,610	0.5%
	TOTAL SITE PREPARATION					\$113,432	17%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	12,466	SF	@	\$2.66	\$33,160	4.9%
2) C	Full Depth Reclamation (Pavement Detail 2)	18,970	SF	@	\$2.33	\$44,200	6.6%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	2,710	SF	@	\$2.76	\$7,480	1.1%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	1,084	SF	@	\$3.65	\$3,957	0.6%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$88,796	13%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	1,084	LF	@	\$15.00	\$16,260	2.4%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	542	LF	@	\$30.00	\$16,260	2.4%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	1,084	LF	@	\$12.00	\$13,008	1.9%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	2,168	SF	@	\$6.53	\$14,157	2.1%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$59,685	9%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	1,084	LF	@	\$68.22	\$73,950	11.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	490	LF	@	\$150.00	\$73,500	10.9%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$147,450	22%

Golden State Blvd. - Mountain View Ave. Intersection to Amber Ave. Station: 1449+95 to 1455+37

542 feet

	Item	Quantity	Unit		Unit Cost	Cost	
TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$88,796	\$1,776	0.3%
5) D	Fiber Optic Line & Vaults	542	LF	@	\$60.00	\$32,520	4.8%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$34,296	5%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	5	EA	@	\$3,500	\$17,500	2.6%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$17,500	3%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	22	EA	@	\$185.00	\$4,070	0.6%
7) B	Trees and Shrubs, with Irrigation	14,092	SF	@	\$3.10	\$43,685	6.5%
7) C	Wild Flowers	10,840	SF	@	\$0.10	\$1,084	0.2%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$48,839	\$9,768	1.5%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$58,607	9%

8) A	CONTINGENCY	20.0%	%	of	\$406,578	\$81,316	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$406,578	\$6,099	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$156,659	\$4,700	0.7%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$406,578	\$8,132	1.2%
9) F	Construction Management	13.0%	%	of	\$406,578	\$52,855	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$71,785	11%

Total Cost per Lineal Foot **\$1,241**Total Cost **\$672,867**

Golden State Blvd. - Amber Ave. to Bethel Ave. (Kamm) Intersection Station: 1455+37 to 1507+41

5,204 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$3,612,991	\$361,299	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$3,612,991	\$361,299	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	84,574	SF	@	\$1.16	\$98,106	1.7%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$3,612,991	\$90,325	1.5%
1) J	Construction Staking	2.5%	%	@	\$3,612,991	\$90,325	1.5%
1) K	Grading	178,827	SF	@	\$0.18	\$32,189	0.5%
	TOTAL SITE PREPARATION					\$1,033,542	17%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	1,725	SF	@	\$1.86	\$3,209	0.1%
2) B	Grind, Crack and Seat (Pavement Detail 1)	117,967	SF	@	\$2.66	\$313,792	5.3%
2) C	Full Depth Reclamation (Pavement Detail 2)	203,148	SF	@	\$2.33	\$473,335	8.0%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	2,580	SF	@	\$2.13	\$5,495	0.1%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	39,870	SF	@	\$2.76	\$110,041	1.9%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$905,872	15%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	10,408	LF	@	\$15.00	\$156,120	2.6%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	5,204	LF	@	\$30.00	\$156,120	2.6%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	10,408	LF	@	\$12.00	\$124,896	2.1%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	20,816	SF	@	\$6.53	\$135,928	2.3%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	2	EA	@	\$2,000	\$4,000	0.1%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$577,064	10%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	8,808	LF	@	\$68.22	\$600,882	10.1%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	5,404	LF	@	\$150.00	\$810,600	13.7%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$1,411,482	24%

Golden State Blvd. - Amber Ave. to Bethel Ave. (Kamm) Intersection Station: 1455+37 to 1507+41

5,204 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$905,872	\$18,117	0.3%
5) D	Fiber Optic Line & Vaults	5,204	LF	@	\$60.00	\$312,240	5.3%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$330,357	6%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	42	EA	@	\$3,500	\$147,000	2.5%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$147,000	2%

LANDSCAPE/AMENITIES

7) A	Trees Alone	243	EA	@	\$185.00	\$44,955	0.8%
7) B	Trees and Shrubs, with Irrigation	25,077	SF	@	\$3.10	\$77,739	1.3%
7) C	Wild Flowers	63,440	SF	@	\$0.10	\$6,344	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$129,038	\$25,808	0.4%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$154,845	3%

8) A	CONTINGENCY	20.0%	%	of	\$3,612,991	\$722,598	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$3,612,991	\$54,195	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$1,581,042	\$47,431	0.8%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$3,612,991	\$72,260	1.2%
9) F	Construction Management	13.0%	%	of	\$3,612,991	\$469,689	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$643,575	11%

Total Cost per Lineal Foot **\$1,139**Total Cost **\$5,926,336**

Intersection of Golden State Blvd. and Bethel Ave. (Kamm)

Station: 1507+41 to 1517+14

973 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,086,881	\$108,688	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$1,086,881	\$108,688	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	4,840	SF	@	\$1.16	\$5,614	0.3%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,086,881	\$27,172	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,086,881	\$27,172	1.5%
1) K	Grading	37,527	SF	@	\$0.18	\$6,755	0.4%
	TOTAL SITE PREPARATION					\$284,089	16%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	22,379	SF	@	\$1.86	\$41,625	2.3%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	46,221	SF	@	\$2.33	\$107,695	6.1%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	11,100	SF	@	\$2.76	\$30,636	1.7%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$179,956	10%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	1,946	LF	@	\$15.00	\$29,190	1.6%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	973	LF	@	\$30.00	\$29,190	1.6%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	1,946	LF	@	\$12.00	\$23,352	1.3%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	3,600	SF	@	\$6.53	\$23,508	1.3%
3) G	Curb Ramps	4	EA	@	\$2,500	\$10,000	0.6%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$115,240	6%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	560	LF	@	\$150.00	\$84,000	4.7%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$84,000	5%

Intersection of Golden State Blvd. and Bethel Ave. (Kamm)

Station: 1507+41 to 1517+14

973 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	1	EA	@	\$300,000	\$300,000	16.9%
5) C	Signage and Striping	2.0%	%	@	\$179,956	\$3,599	0.2%
5) D	Fiber Optic Line & Vaults	973	LF	@	\$60.00	\$58,380	3.3%
5) E	RR Crossing Modifications	1	EA	@	\$250,000	\$250,000	14.1%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$611,979	34%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	8	EA	@	\$3,500	\$28,000	1.6%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$28,000	2%

LANDSCAPE/AMENITIES

7) A	Trees Alone	56	EA	@	\$185.00	\$10,360	0.6%
7) B	Trees and Shrubs, with Irrigation	11,973	SF	@	\$3.10	\$37,116	2.1%
7) C	Wild Flowers	14,595	SF	@	\$0.10	\$1,460	0.1%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$48,936	\$9,787	0.6%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	0.6%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$68,723	4%

8) A	CONTINGENCY	20.0%	%	of	\$1,086,881	\$217,376	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,086,881	\$16,303	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$300,810	\$9,024	0.5%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,086,881	\$21,738	1.2%
9) F	Construction Management	13.0%	%	of	\$1,086,881	\$141,295	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$188,360	11%

Total Cost per Lineal Foot **\$1,827**Total Cost **\$1,777,723**

Golden State Blvd. - Bethel Ave. (Kamm) Intersection to Stroud Ave. Station: 1517+14 to 1548+96

3,182 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,838,030	\$183,803	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$1,838,030	\$183,803	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	45,568	SF	@	\$1.16	\$52,859	1.8%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,838,030	\$45,951	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,838,030	\$45,951	1.5%
1) K	Grading	65,896	SF	@	\$0.18	\$11,861	0.4%
	TOTAL SITE PREPARATION					\$524,228	17%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	73,186	SF	@	\$1.86	\$136,126	4.5%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	100,190	SF	@	\$2.33	\$233,443	7.8%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	15,910	SF	@	\$2.76	\$43,912	1.5%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$413,480	14%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	6,364	LF	@	\$15.00	\$95,460	3.2%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	3,182	LF	@	\$30.00	\$95,460	3.2%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	6,364	LF	@	\$12.00	\$76,368	2.5%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	12,728	SF	@	\$6.53	\$83,114	2.8%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	3	EA	@	\$2,000	\$6,000	0.2%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$356,402	12%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	2,840	LF	@	\$68.22	\$193,745	6.4%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	3,182	LF	@	\$150.00	\$477,300	15.8%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$671,045	22%

Golden State Blvd. - Bethel Ave. (Kamm) Intersection to Stroud Ave. Station: 1517+14 to 1548+96

3,182 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$413,480	\$8,270	0.3%
5) D	Fiber Optic Line & Vaults	3,182	LF	@	\$60.00	\$190,920	6.3%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$199,190	7%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	26	EA	@	\$3,500	\$91,000	3.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$91,000	3%

LANDSCAPE/AMENITIES

7) A	Trees Alone	170	EA	@	\$185.00	\$31,450	1.0%
7) B	Trees and Shrubs, with Irrigation	5,720	SF	@	\$3.10	\$17,732	0.6%
7) C	Wild Flowers	12,810	SF	@	\$0.10	\$1,281	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$50,463	\$10,093	0.3%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$60,556	2%

8) A	CONTINGENCY	20.0%	%	of	\$1,838,030	\$367,606	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,838,030	\$27,570	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$822,741	\$24,682	0.8%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,838,030	\$36,761	1.2%
9) F	Construction Management	13.0%	%	of	\$1,838,030	\$238,944	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$327,957	11%

Total Cost per Lineal Foot **\$946**Total Cost **\$3,011,463**

Intersection of Golden State Blvd. and Stroud Ave.

Station: 1548+96 to 1558+42

946 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$1,124,878	\$112,488	5.9%
1) B	Temporary Facilities	10.0%	%	@	\$1,124,878	\$112,488	5.9%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	19,764	SF	@	\$1.16	\$22,926	1.2%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$1,124,878	\$28,122	1.5%
1) J	Construction Staking	2.5%	%	@	\$1,124,878	\$28,122	1.5%
1) K	Grading	44,346	SF	@	\$0.18	\$7,982	0.4%
	TOTAL SITE PREPARATION					\$312,128	16%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	20,263	SF	@	\$1.86	\$37,689	2.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	1,495	SF	@	\$2.66	\$3,977	0.2%
2) C	Full Depth Reclamation (Pavement Detail 2)	50,822	SF	@	\$2.33	\$118,415	6.2%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	26,350	SF	@	\$2.76	\$72,726	3.8%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$232,807	12%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	1,218	LF	@	\$15.00	\$18,270	1.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	946	LF	@	\$30.00	\$28,380	1.5%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	1,724	LF	@	\$12.00	\$20,688	1.1%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	3,448	SF	@	\$6.53	\$22,515	1.2%
3) G	Curb Ramps	3	EA	@	\$2,500	\$7,500	0.4%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$97,353	5%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	920	LF	@	\$150.00	\$138,000	7.2%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$138,000	7%

Intersection of Golden State Blvd. and Stroud Ave.

Station: 1548+96 to 1558+42

946 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$232,807	\$4,656	0.2%
5) D	Fiber Optic Line & Vaults	946	LF	@	\$60.00	\$56,760	3.0%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	1	EA	@	\$500,000	\$500,000	26.1%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$561,416	29%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	8	EA	@	\$3,500	\$28,000	1.5%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$28,000	1%

LANDSCAPE/AMENITIES

7) A	Trees Alone	45	EA	@	\$185.00	\$8,325	0.4%
7) B	Trees and Shrubs, with Irrigation	10,556	SF	@	\$3.10	\$32,724	1.7%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$41,049	\$8,210	0.4%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$49,258	3%

8) A	CONTINGENCY	20.0%	%	of	\$1,124,878	\$224,976	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$1,124,878	\$16,873	0.9%
9) B	Right of Way Purchase	15,000	SF	@	\$4.00	\$60,000	3.1%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$60,000	\$18,000	0.9%
9) D	SWPPP Implementation	3.0%	%	of	\$353,087	\$10,593	0.6%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$1,124,878	\$22,498	1.2%
9) F	Construction Management	13.0%	%	of	\$1,124,878	\$146,234	7.6%
TOTAL RIGHT OF WAY/PERMITTING						\$274,197	14%

Total Cost per Lineal Foot **\$2,028**Total Cost **\$1,918,136**

Simpson St. - Stroud Ave. Intersection to Laurel St.

Station: 1558+42 to 1577+31

1,889 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$979,725	\$97,973	5.9%
1) B	Temporary Facilities	10.0%	%	@	\$979,725	\$97,973	5.9%
1) C	Existing Building / Structure Demolition	2	EA	@	\$50,000	\$100,000	6.1%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	43,820	SF	@	\$1.16	\$50,831	3.1%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$979,725	\$24,493	1.5%
1) J	Construction Staking	2.5%	%	@	\$979,725	\$24,493	1.5%
1) K	Grading	31,630	SF	@	\$0.18	\$5,693	0.3%
	TOTAL SITE PREPARATION					\$401,456	24%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	43,447	SF	@	\$2.66	\$115,569	7.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	32,363	SF	@	\$2.33	\$75,406	4.6%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	3,190	SF	@	\$2.76	\$8,804	0.5%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	16,500	SF	@	\$3.65	\$60,225	3.6%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$260,004	16%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	3,580	LF	@	\$15.00	\$53,700	3.3%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	1,889	LF	@	\$30.00	\$56,670	3.4%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	730	LF	@	\$12.00	\$8,760	0.5%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	1,880	SF	@	\$6.53	\$12,276	0.7%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	9	EA	@	\$2,000	\$18,000	1.1%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$149,406	9%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	1,480	LF	@	\$150.00	\$222,000	13.4%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$222,000	13%

Simpson St. - Stroud Ave. Intersection to Laurel St.

Station: 1558+42 to 1577+31

1,889 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$260,004	\$5,200	0.3%
5) D	Fiber Optic Line & Vaults	1,889	LF	@	\$60.00	\$113,340	6.9%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$118,540	7%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	16	EA	@	\$3,500	\$56,000	3.4%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$56,000	3%

LANDSCAPE/AMENITIES

7) A	Trees Alone	25	EA	@	\$185.00	\$4,625	0.3%
7) B	Trees and Shrubs, with Irrigation	5,750	SF	@	\$3.10	\$17,825	1.1%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$22,450	\$4,490	0.3%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$26,940	2%

8) A	CONTINGENCY	20.0%	%	of	\$979,725	\$195,945	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$979,725	\$14,696	0.9%
9) B	Right of Way Purchase	8,060	SF	@	\$4.00	\$32,240	2.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$32,240	\$9,672	0.6%
9) D	SWPPP Implementation	3.0%	%	of	\$560,242	\$16,807	1.0%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$979,725	\$19,595	1.2%
9) F	Construction Management	13.0%	%	of	\$979,725	\$127,364	7.7%
TOTAL RIGHT OF WAY/PERMITTING						\$220,374	13%

Total Cost per Lineal Foot **\$874**Total Cost **\$1,650,666**

Simpson St. - Laurel St. to Sierra St. (Hwy 201) Intersection

Station: 1577+31 to 1585+15

784 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$268,214	\$26,821	5.6%
1) B	Temporary Facilities	10.0%	%	@	\$268,214	\$26,821	5.6%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	2,860	SF	@	\$1.16	\$3,318	0.7%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$268,214	\$6,705	1.4%
1) J	Construction Staking	2.5%	%	@	\$268,214	\$6,705	1.4%
1) K	Grading	7,704	SF	@	\$0.18	\$1,387	0.3%
	0					\$71,758	15%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	38,640	SF	@	\$2.33	\$90,031	18.8%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	3,700	SF	@	\$2.76	\$10,212	2.1%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	1,760	SF	@	\$0.89	\$1,566	0.3%
	TOTAL ROADWAY					\$101,810	21%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	2,244	LF	@	\$15.00	\$33,660	7.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	2	EA	@	\$2,000	\$4,000	0.8%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$37,660	8%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	350	LF	@	\$150.00	\$52,500	11.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$52,500	11%

Simpson St. - Laurel St. to Sierra St. (Hwy 201) Intersection

Station: 1577+31 to 1585+15

784 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$100,243	\$2,005	0.4%
5) D	Fiber Optic Line & Vaults	784	LF	@	\$60.00	\$47,040	9.8%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$49,045	10%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	7	EA	@	\$3,500	\$24,500	5.1%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$24,500	5%

LANDSCAPE/AMENITIES

7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0	0.0%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$0	0%

8) A	CONTINGENCY	20.0%	%	of	\$268,214	\$53,643	11%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$268,214	\$4,023	0.8%
9) B	Caltrans Permitting / Coordination	1	LS	@	\$30,000.00	\$30,000	6.3%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$30,000	\$9,000	1.9%
9) D	SWPPP Implementation	3.0%	%	of	\$142,787	\$4,284	0.9%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$268,214	\$5,364	1.1%
9) F	Construction Management	13.0%	%	of	\$268,214	\$34,868	7.3%
TOTAL RIGHT OF WAY/PERMITTING						\$87,539	18%

Total Cost per Lineal Foot **\$610**Total Cost **\$478,454**

Intersection of Simpson St. and Sierra St. (Hwy 201)

Station: 1585+15 to 1590+00

485 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	0.0%	%	@	\$138,305	\$0	0.0%
1) B	Temporary Facilities	0.0%	%	@	\$138,305	\$0	0.0%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	372	SF	@	\$1.16	\$432	0.2%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$138,305	\$3,458	1.7%
1) J	Construction Staking	2.5%	%	@	\$138,305	\$3,458	1.7%
1) K	Grading	3,946	SF	@	\$0.18	\$710	0.4%
	TOTAL SITE PREPARATION					\$8,057	4%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	22,750	SF	@	\$2.33	\$53,008	26.6%
2) D	Chip Seal (Pavement Detail 3)	0	SF	@	\$1.50	\$0	0.0%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	0	SF	@	\$2.76	\$0	0.0%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$53,008	27%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	160	LF	@	\$15.00	\$2,400	1.2%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	10	LF	@	\$12.00	\$120	0.1%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	3,776	SF	@	\$3.50	\$13,216	6.6%
	TOTAL CURB, GUTTER, SIDEWALK					\$15,736	8%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	75	LF	@	\$150.00	\$11,250	5.6%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$11,250	6%

Intersection of Simpson St. and Sierra St. (Hwy 201)

Station: 1585+15 to 1590+00

485 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$53,008	\$1,060	0.5%
5) D	Fiber Optic Line & Vaults	485	LF	@	\$60.00	\$29,100	14.6%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$30,160	15%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	4	EA	@	\$3,500	\$14,000	7.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$14,000	7%

LANDSCAPE/AMENITIES

7) A	Trees Alone	22	EA	@	\$185.00	\$4,070	2.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$4,070	\$814	0.4%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	5.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$14,884	7%

8) A	CONTINGENCY	20.0%	%	of	\$138,305	\$27,661	14%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$138,305	\$2,075	1.0%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$69,175	\$2,075	1.0%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$138,305	\$2,766	1.4%
9) F	Construction Management	13.0%	%	of	\$138,305	\$17,980	9.0%
TOTAL RIGHT OF WAY/PERMITTING						\$24,896	12%

Total Cost per Lineal Foot **\$412**Total Cost **\$199,651**

Simpson St. - Sierra St. (Hwy 201) to Ellis St.

Station: 1590+00 to 1601+92

1,192 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$211,858	\$21,186	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$211,858	\$21,186	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	240	SF	@	\$1.16	\$278	0.1%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$211,858	\$5,296	1.5%
1) J	Construction Staking	2.5%	%	@	\$211,858	\$5,296	1.5%
1) K	Grading	6,590	SF	@	\$0.18	\$1,186	0.3%
	TOTAL SITE PREPARATION					\$54,429	16%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2) D	Chip Seal (Pavement Detail 3)	50,064	SF	@	\$1.50	\$75,096	21.6%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	1,200	SF	@	\$2.76	\$3,312	1.0%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$78,408	23%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	250	LF	@	\$12.00	\$3,000	0.9%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	4,900	SF	@	\$3.50	\$17,150	4.9%
	TOTAL CURB, GUTTER, SIDEWALK					\$20,150	6%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	240	LF	@	\$20.00	\$4,800	1.4%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$4,800	1%

Simpson St. - Sierra St. (Hwy 201) to Ellis St.

Station: 1590+00 to 1601+92

1,192 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$78,408	\$1,568	0.5%
5) D	Fiber Optic Line & Vaults	1,192	LF	@	\$60.00	\$71,520	20.6%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$73,088	21%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	8	EA	@	\$4,000	\$32,000	9.2%
TOTAL UTILITIES/LIGHTING						\$32,000	9%

LANDSCAPE/AMENITIES

7) A	Trees Alone	19	EA	@	\$185.00	\$3,515	1.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$3,515	\$703	0.2%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$4,218	1%

8) A	CONTINGENCY	20.0%	%	of	\$211,858	\$42,372	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$211,858	\$3,178	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$103,636	\$3,109	0.9%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$211,858	\$4,237	1.2%
9) F	Construction Management	13.0%	%	of	\$211,858	\$27,541	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$38,066	11%

Total Cost per Lineal Foot **\$292**Total Cost **\$347,530**

Simpson St. - Ellis St. to Draper St. Intersection

Station: 1601+92 to 1604+48

256 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$36,385	\$3,639	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$36,385	\$3,639	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	0	SF	@	\$1.16	\$0	0.0%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$36,385	\$910	1.5%
1) J	Construction Staking	2.5%	%	@	\$36,385	\$910	1.5%
1) K	Grading	0	SF	@	\$0.18	\$0	0.0%
	TOTAL SITE PREPARATION					\$9,096	15%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2) D	Chip Seal (Pavement Detail 3)	11,350	SF	@	\$1.50	\$17,025	28.6%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	0	SF	@	\$2.76	\$0	0.0%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$17,025	29%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$0	0%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$0	0%

Simpson St. - Ellis St. to Draper St. Intersection

Station: 1601+92 to 1604+48

256 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$17,025	\$341	0.6%
5) D	Fiber Optic Line & Vaults	256	LF	@	\$60.00	\$15,360	25.8%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$15,701	26%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	1	EA	@	\$4,000	\$4,000	6.7%
TOTAL UTILITIES/LIGHTING						\$4,000	7%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0	0.0%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$0	0%

8) A	CONTINGENCY	20.0%	%	of	\$36,385	\$7,277	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$36,385	\$546	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$17,025	\$511	0.9%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$36,385	\$728	1.2%
9) F	Construction Management	13.0%	%	of	\$36,385	\$4,730	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$6,514	11%

Total Cost per Lineal Foot **\$233**Total Cost **\$59,613**

Intersection of Simpson St. and Draper St.

Station: 1604+48 to 1610+18

570 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$184,450	\$18,445	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$184,450	\$18,445	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	0	SF	@	\$1.16	\$0	0.0%
1) G	Existing Landscaping and Irrigation Demolition	0	SF	@	\$0.50	\$0	0.0%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$184,450	\$4,611	1.5%
1) J	Construction Staking	2.5%	%	@	\$184,450	\$4,611	1.5%
1) K	Grading	0	SF	@	\$0.18	\$0	0.0%
	TOTAL SITE PREPARATION					\$46,113	15%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2) D	Chip Seal (Pavement Detail 3)	33,500	SF	@	\$1.50	\$50,250	16.7%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	0	SF	@	\$2.76	\$0	0.0%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$50,250	17%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	0	LF	@	\$15.00	\$0	0.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	0	LF	@	\$12.00	\$0	0.0%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	0	SF	@	\$6.53	\$0	0.0%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$0	0%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$0	0%

Intersection of Simpson St. and Draper St.

Station: 1604+48 to 1610+18

570 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$50,250	\$1,005	0.3%
5) D	Fiber Optic Line & Vaults	570	LF	@	\$60.00	\$34,200	11.4%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$35,205	12%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	0	EA	@	\$4,000	\$0	0.0%
TOTAL UTILITIES/LIGHTING						\$0	0%

LANDSCAPE/AMENITIES

7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0	0.0%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	1	EA	@	\$100,000	\$100,000	33.3%
TOTAL LANDSCAPE/AMENITIES						\$100,000	33%

8) A	CONTINGENCY	20.0%	%	of	\$184,450	\$36,890	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$184,450	\$2,767	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$50,250	\$1,508	0.5%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$184,450	\$3,689	1.2%
9) F	Construction Management	13.0%	%	of	\$184,450	\$23,979	8.0%
TOTAL RIGHT OF WAY/PERMITTING						\$31,942	11%

Total Cost per Lineal Foot **\$527**Total Cost **\$300,399**

Simpson St. - Draper St. to Earl St.

Station: 1610+18 to 1611+64

146 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$123,615	\$12,361	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$123,615	\$12,361	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	0	SF	@	\$2.00	\$0	0.0%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	0	SF	@	\$1.16	\$0	0.0%
1) G	Existing Landscaping and Irrigation Demolition	2,140	SF	@	\$0.50	\$1,070	0.5%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$123,615	\$3,090	1.5%
1) J	Construction Staking	2.5%	%	@	\$123,615	\$3,090	1.5%
1) K	Grading	0	SF	@	\$0.18	\$0	0.0%
	TOTAL SITE PREPARATION					\$31,974	16%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2) D	Chip Seal (Pavement Detail 3)	35,210	SF	@	\$1.50	\$52,815	26.1%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	1,640	SF	@	\$2.76	\$4,526	2.2%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$57,341	28%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	136	LF	@	\$15.00	\$2,040	1.0%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	287	LF	@	\$12.00	\$3,444	1.7%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	346	SF	@	\$6.53	\$2,259	1.1%
3) G	Curb Ramps	0	EA	@	\$2,500	\$0	0.0%
3) H	Concrete Driveway Approach	0	EA	@	\$2,000	\$0	0.0%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$7,743	4%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$0	0%

Simpson St. - Draper St. to Earl St.

Station: 1610+18 to 1611+64

146 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL							
5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$57,341	\$1,147	0.6%
5) D	Fiber Optic Line & Vaults	691	LF	@	\$60.00	\$41,460	20.5%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$42,607	21%

UTILITIES/LIGHTING							
6) A	Misc. Utility Relocation / Modification	0	EA	@	\$50,000	\$0	0.0%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	4	EA	@	\$4,000	\$16,000	7.9%
TOTAL UTILITIES/LIGHTING						\$16,000	8%

LANDSCAPE/AMENITIES							
7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	\$0	\$0	0.0%
7) E	GSC Intersection Monuments	0	EA	@	\$10,000	\$0	0.0%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$0	0%

8) A	CONTINGENCY	20.0%	%	of	\$123,615	\$24,723	12%
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RIGHT OF WAY/PERMITTING							
9) A	Construction Administration (Engineer)	1.5%	%	of	\$123,615	\$1,854	0.9%
9) B	Right of Way Purchase	0	SF	@	\$4.00	\$0	0.0%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$0	\$0	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$65,085	\$1,953	1.0%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$123,615	\$2,472	1.2%
9) F	Construction Management	13.0%	%	of	\$123,615	\$16,070	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$22,349	11%

Total Cost per Lineal Foot **\$1,389**Total Cost **\$202,737**

Simpson St. - Earl St. to southern limits of project

Station: 1611+64 to 1617+09

545 feet

	Item	Quantity	Unit		Unit Cost	Cost	
SITE PREPARATION							
1) A	Mobilization / Permits / Demobilization	10.0%	%	@	\$232,926	\$23,293	6.1%
1) B	Temporary Facilities	10.0%	%	@	\$232,926	\$23,293	6.1%
1) C	Existing Building / Structure Demolition	0	EA	@	\$50,000	\$0	0.0%
1) D	Existing Concrete Demolition	726	SF	@	\$2.00	\$1,452	0.4%
1) E	Existing Curb and Gutter Demolition	0	LF	@	\$3.00	\$0	0.0%
1) F	Existing Roadway Demolition	0	SF	@	\$1.16	\$0	0.0%
1) G	Existing Landscaping and Irrigation Demolition	1,060	SF	@	\$0.50	\$530	0.1%
1) H	Existing Tree Removal	0	EA	@	\$500	\$0	0.0%
1) I	Clearing & Grubbing / Misc. Demolition	2.5%	%	@	\$232,926	\$5,823	1.5%
1) J	Construction Staking	2.5%	%	@	\$232,926	\$5,823	1.5%
1) K	Grading	0	SF	@	\$0.18	\$0	0.0%
	TOTAL SITE PREPARATION					\$60,213	16%

ROADWAY							
2) A	Crack and Seat (Pavement Detail 1)	0	SF	@	\$1.86	\$0	0.0%
2) B	Grind, Crack and Seat (Pavement Detail 1)	0	SF	@	\$2.66	\$0	0.0%
2) C	Full Depth Reclamation (Pavement Detail 2)	0	SF	@	\$2.33	\$0	0.0%
2) D	Chip Seal (Pavement Detail 3)	47,094	SF	@	\$1.50	\$70,641	18.5%
2) E	Grind and Overlay (Pavement Detail 4)	0	SF	@	\$2.13	\$0	0.0%
2) F	New Pavement (Non Travel Lanes, 5"AC/5"AB/12"CNS)	1,550	SF	@	\$2.76	\$4,278	1.1%
2) G	New Pavement (Travel Lanes, 6.5"AC/7"AB/12"CNS)	0	SF	@	\$3.65	\$0	0.0%
2) H	Bike Trail (2"AC/6"CNS)	0	SF	@	\$0.89	\$0	0.0%
	TOTAL ROADWAY					\$74,919	20%

CURB, GUTTER, SIDEWALK							
3) A	Curb and Gutter (Barrier Detail 1)	220	LF	@	\$15.00	\$3,300	0.9%
3) B	Modified Curb with Thickened Base and Dowels (Barrier Detail 1)	0	LF	@	\$30.00	\$0	0.0%
3) C	Curb and Gutter w/ Drain Pipes @ 100' Spacing (Barrier Detail 3)	0	LF	@	\$16.00	\$0	0.0%
3) D	Concrete Curb (Barrier Detail 5)	230	LF	@	\$12.00	\$2,760	0.7%
3) E	Concrete Curb w/ Drain Pipes @ 25' Spacing (Barrier Detail 6)	0	LF	@	\$14.00	\$0	0.0%
3) F	Median Stamped Concrete (Barrier Detail 7,8)	160	SF	@	\$6.53	\$1,045	0.3%
3) G	Curb Ramps	3	EA	@	\$2,500	\$7,500	2.0%
3) H	Concrete Driveway Approach	1	EA	@	\$2,000	\$2,000	0.5%
3) I	Concrete Sidewalk	0	SF	@	\$3.50	\$0	0.0%
	TOTAL CURB, GUTTER, SIDEWALK					\$16,605	4%

STORM DRAIN							
4) A	Bio Swale (3' deep, lined with fabric)	0	SF	@	\$1.00	\$0	0.0%
4) B	AC Dike w/ Bioswale and Breaks @ 25' Spacing (Barrier Detail 4)	0	LF	@	\$14.00	\$0	0.0%
4) C	Concrete Valley Gutter	0	LF	@	\$20.00	\$0	0.0%
4) D	Linear Drain in Gutter (Barrier Detail 2)	0	LF	@	\$68.22	\$0	0.0%
4) E	Master Plan SD Pipe, Manholes, Inlets & Laterals	0	LF	@	\$150.00	\$0	0.0%
4) F	Misc. Drainage Modifications	0	EA	@	\$50,000	\$0	0.0%
	TOTAL STORM DRAIN					\$0	0%

Simpson St. - Earl St. to southern limits of project

Station: 1611+64 to 1617+09

545 feet

	Item	Quantity	Unit		Unit Cost	Cost	
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TRAFFIC/RAILROAD CONTROL

5) A	Traffic Signal Modifications	0	EA	@	\$100,000	\$0	0.0%
5) B	New Traffic Signal	0	EA	@	\$300,000	\$0	0.0%
5) C	Signage and Striping	2.0%	%	@	\$74,919	\$1,498	0.4%
5) D	Fiber Optic Line & Vaults	857	LF	@	\$60.00	\$51,420	13.5%
5) E	RR Crossing Modifications	0	EA	@	\$250,000	\$0	0.0%
5) F	New RR Crossing	0	EA	@	\$500,000	\$0	0.0%
5) G	RR Crossing Pre-Signal	0	EA	@	\$75,000	\$0	0.0%
TOTAL TRAFFIC/RAILROAD CONTROL						\$52,918	14%

UTILITIES/LIGHTING

6) A	Misc. Utility Relocation / Modification	1	EA	@	\$50,000	\$50,000	13.1%
6) B	Undergrounding Utility with Light Replacement	0	LF	@	\$20.00	\$0	0.0%
6) C	New Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) D	New Decorative Street Lights	0	EA	@	\$3,500	\$0	0.0%
6) E	Replace Existing Street Light w/ Decorative	7	EA	@	\$4,000	\$28,000	7.3%
TOTAL UTILITIES/LIGHTING						\$78,000	20%

LANDSCAPE/AMENITIES

7) A	Trees Alone	0	EA	@	\$185.00	\$0	0.0%
7) B	Trees and Shrubs, with Irrigation	0	SF	@	\$3.10	\$0	0.0%
7) C	Wild Flowers	0	SF	@	\$0.10	\$0	0.0%
7) D	Maintenance Period Landscaping / Irrigation	20.0%	%	of	0	\$0	0.0%
7) E	GSC Intersection Monuments	1	EA	@	\$10,000	\$10,000	2.6%
7) F	Special Concrete Artwork, Sign and Landscaping	0	EA	@	\$100,000	\$0	0.0%
TOTAL LANDSCAPE/AMENITIES						\$10,000	3%

8) A	CONTINGENCY	20.0%	%	of	\$232,926	\$46,585	12%
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RIGHT OF WAY/PERMITTING

9) A	Construction Administration (Engineer)	1.5%	%	of	\$232,926	\$3,494	0.9%
9) B	Right of Way Purchase	140	SF	@	\$4.00	\$560	0.1%
9) C	Right of Way Acquisition / Documents	30.0%	%	of	\$560	\$168	0.0%
9) D	SWPPP Implementation	3.0%	%	of	\$92,976	\$2,789	0.7%
9) E	Geotechnical Engineer / Testing	2.0%	%	of	\$232,926	\$4,659	1.2%
9) F	Construction Management	13.0%	%	of	\$232,926	\$30,280	7.9%
TOTAL RIGHT OF WAY/PERMITTING						\$41,950	11%

Total Cost per Lineal Foot **\$699**Total Cost **\$381,191**