

# appendix **C**

**IN THIS APPENDIX:**

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Regional  
Project Cost  
Estimates

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# REGIONAL PROJECT COST ESTIMATES

## ABERDEEN DRIVE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>41810</b>	<b>\$418,100</b>
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$48</b>	<b>41810</b>	<b>\$2,006,880</b>
Subtotal				\$2,424,980
Design (Subtotal * 15%)				\$363,747
Environmental (Subtotal * 8%)				\$193,998
Construction Management (Subtotal + D + E) * 10%				\$298,273
Mobilization (Subtotal + D + E) * 8%				\$238,618
Traffic Control (Subtotal + D + E) * 5%				\$149,136
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$550,313
<b>TOTAL =</b>				<b>\$4,219,065</b>

## ACOMA TRAIL

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>13931</b>	<b>\$891,584</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>13931</b>	<b>\$41,793</b>
Subtotal				\$933,377
Design (Subtotal * 15%)				\$140,007
Environmental (Subtotal * 8%)				\$74,670
Construction Management (Subtotal + D + E) * 10%				\$114,805
Mobilization (Subtotal + D + E) * 8%				\$91,844
Traffic Control (Subtotal + D + E) * 5%				\$57,403
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$211,816
<b>TOTAL =</b>				<b>\$1,623,922</b>

## ADOBE ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>5294</b>	<b>\$52,940</b>
<b>Asphalt Path (10', with two 2' shoulders)</b>	<b>Per Linear Foot</b>	<b>\$80</b>	<b>5529</b>	<b>\$442,320</b>
<b>Asphalt Path (12', with two 2' shoulders)</b>	<b>Per Linear Foot</b>	<b>\$103</b>	<b>761</b>	<b>\$78,379</b>
Subtotal				\$573,639
Design (Subtotal * 15%)				\$86,046
Environmental (Subtotal * 8%)				\$45,891
Construction Management (Subtotal + D + E) * 10%				\$70,558
Mobilization (Subtotal + D + E) * 8%				\$56,446
Traffic Control (Subtotal + D + E) * 5%				\$35,279
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$130,179
<b>TOTAL =</b>				<b>\$998,038</b>

## ATLA LOMA DRIVE / SUNNY VISTA ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>37806</b>	<b>\$2,419,584</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>37806</b>	<b>\$113,418</b>
Subtotal				\$2,533,002
Design (Subtotal * 15%)				\$379,950
Environmental (Subtotal * 8%)				\$202,640
Construction Management (Subtotal + D + E) * 10%				\$311,559
Mobilization (Subtotal + D + E) * 8%				\$249,247
Traffic Control (Subtotal + D + E) * 5%				\$155,780
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$574,827
<b>TOTAL =</b>				<b>\$4,407,006</b>

## AMBOY ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>47692</b>	<b>\$476,920</b>
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$48</b>	<b>21115</b>	<b>\$1,013,520</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>26578</b>	<b>\$1,700,992</b>
Subtotal				\$3,191,432
Design (Subtotal * 15%)				\$478,715
Environmental (Subtotal * 8%)				\$255,315
Construction Management (Subtotal + D + E) * 10%				\$392,546
Mobilization (Subtotal + D + E) * 8%				\$314,037
Traffic Control (Subtotal + D + E) * 5%				\$196,273
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$724,248
<b>TOTAL =</b>				<b>\$5,552,565</b>

## BALSA AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>5697</b>	<b>\$364,608</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>5697</b>	<b>\$17,091</b>
Subtotal				\$381,699
Design (Subtotal * 15%)				\$57,255
Environmental (Subtotal * 8%)				\$30,536
Construction Management (Subtotal + D + E) * 10%				\$46,949
Mobilization (Subtotal + D + E) * 8%				\$37,559
Traffic Control (Subtotal + D + E) * 5%				\$23,474
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$86,621
<b>TOTAL =</b>				<b>\$664,093</b>

## BALSA AVENUE / EMERSON AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>5604</b>	<b>\$358,656</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>5604</b>	<b>\$16,812</b>
Subtotal				\$375,468
Design (Subtotal * 15%)				\$56,320
Environmental (Subtotal * 8%)				\$30,037
Construction Management (Subtotal + D + E) * 10%				\$46,183
Mobilization (Subtotal + D + E) * 8%				\$36,946
Traffic Control (Subtotal + D + E) * 5%				\$23,091
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$85,207
<b>TOTAL =</b>				<b>\$653,252</b>

## BORDER AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>34375</b>	<b>\$343,750</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>31665</b>	<b>\$2,026,560</b>
Subtotal				\$2,370,310
Design (Subtotal * 15%)				\$355,547
Environmental (Subtotal * 8%)				\$189,625
Construction Management (Subtotal + D + E) * 10%				\$291,548
Mobilization (Subtotal + D + E) * 8%				\$233,238
Traffic Control (Subtotal + D + E) * 5%				\$145,774
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$537,906
<b>TOTAL =</b>				<b>\$4,123,948</b>

## BUENA VISTA DRIVE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>16030</b>	<b>\$160,300</b>
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$48</b>	<b>14680</b>	<b>\$704,640</b>
Subtotal				\$864,940
Design (Subtotal * 15%)				\$129,741
Environmental (Subtotal * 8%)				\$69,195
Construction Management (Subtotal + D + E) * 10%				\$106,388
Mobilization (Subtotal + D + E) * 8%				\$85,110
Traffic Control (Subtotal + D + E) * 5%				\$53,194
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$196,285
<b>TOTAL =</b>				<b>\$1,504,853</b>

## CAMINO DEL CIELO TRAIL

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>13206</b>	<b>\$845,184</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>13206</b>	<b>\$39,618</b>
Subtotal				\$884,802
Design (Subtotal * 15%)				\$132,720
Environmental (Subtotal * 8%)				\$70,784
Construction Management (Subtotal + D + E) * 10%				\$108,831
Mobilization (Subtotal + D + E) * 8%				\$87,065
Traffic Control (Subtotal + D + E) * 5%				\$54,415
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$200,793
<b>TOTAL =</b>				<b>\$1,539,410</b>

## CANYON ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Green-Backed Sharrows &amp; Bike Route Signs (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>6474</b>	<b>\$64,740</b>
Subtotal				\$64,740
Design (Subtotal * 15%)				\$9,711
Environmental (Subtotal * 8%)				\$5,179
Construction Management (Subtotal + D + E) * 10%				\$7,963
Mobilization (Subtotal + D + E) * 8%				\$6,370
Traffic Control (Subtotal + D + E) * 5%				\$3,982
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$14,692
<b>TOTAL =</b>				<b>\$112,637</b>

## HATCH / ADOBE / BASELINE ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
Class II Bicycle Lane Striping (2 sides of road)	Per Linear Foot	\$10	530	\$5,300
New Sign & New Post	Each	\$450	8	\$3,600
New Sign on Existing Post	Each	\$150	4	\$600
High Visibility Ladder Crosswalk	Each	\$2,050	2	\$4,100
Asphalt Path (12', with two 2' shoulders)	Per Linear Foot	\$103	17855	\$1,838,976
Yield Line	Per Linear Foot	\$3	110	\$330
Pedestrian Scale Lighting (two street lights per crosswalk)	Each	\$16,000	2	\$32,000
Subtotal				\$1,884,906
Design (Subtotal * 15%)				\$282,736
Environmental (Subtotal * 8%)				\$150,792
Construction Management (Subtotal + D + E) * 10%				\$231,843
Mobilization (Subtotal + D + E) * 8%				\$185,475
Traffic Control (Subtotal + D + E) * 5%				\$115,922
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$427,751
<b>TOTAL =</b>				<b>\$3,279,425</b>



## INDIAN TRAIL

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	Per Linear Foot	<b>\$10</b>	<b>29194</b>	<b>\$291,940</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	Per Linear Foot	<b>\$64</b>	<b>29194</b>	<b>\$1,868,416</b>
<b>Asphalt Path (12', with two 2' shoulders)</b>	Per Linear Foot	<b>\$103</b>	<b>5124</b>	<b>\$527,746</b>
Subtotal				\$2,688,102
Design (Subtotal * 15%)				\$403,215
Environmental (Subtotal * 8%)				\$215,048
Construction Management (Subtotal + D + E) * 10%				\$330,637
Mobilization (Subtotal + D + E) * 8%				\$264,509
Traffic Control (Subtotal + D + E) * 5%				\$165,318
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$610,025
<b>TOTAL =</b>				<b>\$4,676,855</b>

## JOSHUA DRIVE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>6565</b>	<b>\$420,160</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>6565</b>	<b>\$19,695</b>
Subtotal				\$439,855
Design (Subtotal * 15%)				\$65,978
Environmental (Subtotal * 8%)				\$35,188
Construction Management (Subtotal + D + E) * 10%				\$54,102
Mobilization (Subtotal + D + E) * 8%				\$43,282
Traffic Control (Subtotal + D + E) * 5%				\$27,051
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$99,818
<b>TOTAL =</b>				<b>\$765,275</b>

## JOSHUA LANE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>1145</b>	<b>\$11,450</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>18302</b>	<b>\$1,171,328</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>18302</b>	<b>\$54,906</b>
Subtotal				\$1,237,684
Design (Subtotal * 15%)				\$185,653
Environmental (Subtotal * 8%)				\$99,015
Construction Management (Subtotal + D + E) * 10%				\$152,235
Mobilization (Subtotal + D + E) * 8%				\$121,788
Traffic Control (Subtotal + D + E) * 5%				\$76,118
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$280,874
<b>TOTAL =</b>				<b>\$2,153,366</b>

## LANDERS LANE & AVALON AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>28557</b>	<b>\$285,570</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>28557</b>	<b>\$1,827,648</b>
Subtotal				\$2,113,218
Design (Subtotal * 15%)				\$316,983
Environmental (Subtotal * 8%)				\$169,057
Construction Management (Subtotal + D + E) * 10%				\$259,926
Mobilization (Subtotal + D + E) * 8%				\$207,941
Traffic Control (Subtotal + D + E) * 5%				\$129,963
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$479,563
<b>TOTAL =</b>				<b>\$3,676,651</b>

## LEAR AVENUE / POLE LINE ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
Class II Bicycle Lane Striping (2 sides of road)	Per Linear Foot	\$10	45394	\$453,940
New Sign & New Post	Each	\$450	4	\$1,800
New Sign on Existing Post	Each	\$150	2	\$300
High Visibility Ladder Crosswalk	Each	\$2,050	1	\$2,050
6' Paved Asphalt Shoulder (2 sides of road)	Per Linear Foot	\$48	26451	\$1,269,648
8' Paved Asphalt Shoulder (2 sides of road)	Per Linear Foot	\$64	18493	\$1,183,552
Asphalt Path (12', with two 2' shoulders)	Per Linear Foot	\$103	5247	\$540,415
Yield Line	Per Linear Foot	\$3	52	\$156
Pedestrian Scale Lighting (two street lights per crosswalk)	Each	\$16,000	1	\$16,000
Subtotal				\$3,467,861
Design (Subtotal * 15%)				\$520,179
Environmental (Subtotal * 8%)				\$277,429
Construction Management (Subtotal + D + E) * 10%				\$426,547
Mobilization (Subtotal + D + E) * 8%				\$341,237
Traffic Control (Subtotal + D + E) * 5%				\$213,273
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$786,979
<b>TOTAL =</b>				<b>\$6,033,506</b>

## LINN ROAD & BELFRIELD BOULEVARD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>27876</b>	<b>\$278,760</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>27876</b>	<b>\$1,784,064</b>
Subtotal				\$2,062,824
Design (Subtotal * 15%)				\$309,424
Environmental (Subtotal * 8%)				\$165,026
Construction Management (Subtotal + D + E) * 10%				\$253,727
Mobilization (Subtotal + D + E) * 8%				\$202,982
Traffic Control (Subtotal + D + E) * 5%				\$126,864
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$468,127
<b>TOTAL =</b>				<b>\$3,588,973</b>

## MESQUITE SPRINGS ROAD & LARREA AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
New Sign & New Post	Each	\$450	4	\$1,800
New Sign on Existing Post	Each	\$150	2	\$300
High Visibility Ladder Crosswalk	Each	\$2,050	1	\$2,050
Asphalt Path (12', with two 2' shoulders)	Per Linear Foot	\$103	20273	\$2,088,018
Yield Line	Per Linear Foot	\$3	92	\$276
Pedestrian Scale Lighting (two street lights per crosswalk)	Each	\$16,000	1	\$16,000
Subtotal				\$2,108,444
Design (Subtotal * 15%)				\$316,267
Environmental (Subtotal * 8%)				\$168,675
Construction Management (Subtotal + D + E) * 10%				\$259,339
Mobilization (Subtotal + D + E) * 8%				\$207,471
Traffic Control (Subtotal + D + E) * 5%				\$129,669
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$478,480
<b>TOTAL =</b>				<b>\$3,668,344</b>

## MORONGO AREA

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>19730</b>	<b>\$1,262,720</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>19730</b>	<b>\$59,190</b>
Subtotal				\$1,321,910
Design (Subtotal * 15%)				\$198,287
Environmental (Subtotal * 8%)				\$105,753
Construction Management (Subtotal + D + E) * 10%				\$162,595
Mobilization (Subtotal + D + E) * 8%				\$130,076
Traffic Control (Subtotal + D + E) * 5%				\$81,297
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$299,988
<b>TOTAL =</b>				<b>\$2,299,905</b>

## MORONGO ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>21244</b>	<b>\$212,440</b>
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$48</b>	<b>21244</b>	<b>\$1,019,712</b>
Subtotal				\$1,232,152
Design (Subtotal * 15%)				\$184,823
Environmental (Subtotal * 8%)				\$98,572
Construction Management (Subtotal + D + E) * 10%				\$151,555
Mobilization (Subtotal + D + E) * 8%				\$121,244
Traffic Control (Subtotal + D + E) * 5%				\$75,777
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$279,618
<b>TOTAL =</b>				<b>\$2,143,741</b>

## ONAGA TRAIL

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>20483</b>	<b>\$1,310,912</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>20483</b>	<b>\$61,449</b>
Subtotal				\$1,372,361
Design (Subtotal * 15%)				\$205,854
Environmental (Subtotal * 8%)				\$109,789
Construction Management (Subtotal + D + E) * 10%				\$168,800
Mobilization (Subtotal + D + E) * 8%				\$135,040
Traffic Control (Subtotal + D + E) * 5%				\$84,400
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$311,437
<b>TOTAL -</b>				<b>\$2,387,682</b>

## PALOMAR & AVALON AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>1289</b>	<b>\$12,890</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>21008</b>	<b>\$1,344,512</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>21008</b>	<b>\$63,024</b>
Subtotal				\$1,420,426
Design (Subtotal * 15%)				\$213,064
Environmental (Subtotal * 8%)				\$113,634
Construction Management (Subtotal + D + E) * 10%				\$174,712
Mobilization (Subtotal + D + E) * 8%				\$139,770
Traffic Control (Subtotal + D + E) * 5%				\$87,356
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$322,344
<b>TOTAL -</b>				<b>\$2,471,307</b>



## PARK BOULEVARD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>26834</b>	<b>\$268,340</b>
Subtotal				\$268,340
Design (Subtotal * 15%)				\$40,251
Environmental (Subtotal * 8%)				\$21,467
Construction Management (Subtotal + D + E) * 10%				\$33,006
Mobilization (Subtotal + D + E) * 8%				\$26,405
Traffic Control (Subtotal + D + E) * 5%				\$16,503
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$60,896
<b>TOTAL =</b>				<b>\$466,867</b>

## PAXTON ROAD & BARRON DRIVE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>14004</b>	<b>\$896,256</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>14004</b>	<b>\$42,012</b>
Subtotal				\$938,268
Design (Subtotal * 15%)				\$140,740
Environmental (Subtotal * 8%)				\$75,061
Construction Management (Subtotal + D + E) * 10%				\$115,407
Mobilization (Subtotal + D + E) * 8%				\$92,326
Traffic Control (Subtotal + D + E) * 5%				\$57,703
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$212,926
<b>TOTAL =</b>				<b>\$1,632,432</b>

## PIPES CANYON ROAD & PIONEERTOWN ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	Per Linear Foot	<b>\$10</b>	<b>71610</b>	<b>\$716,100</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	Per Linear Foot	<b>\$64</b>	<b>52799</b>	<b>\$3,379,136</b>
<b>Shoulder Stripe (Both Sides)</b>	Per Linear Foot	<b>\$3</b>	<b>2589</b>	<b>\$7,767</b>
Subtotal				\$4,103,003
Design (Subtotal * 15%)				\$615,450
Environmental (Subtotal * 8%)				\$328,240
Construction Management (Subtotal + D + E) * 10%				\$504,669
Mobilization (Subtotal + D + E) * 8%				\$403,735
Traffic Control (Subtotal + D + E) * 5%				\$252,335
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$931,115
<b>TOTAL =</b>				<b>\$7,138,548</b>

## RECHE ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	Per Linear Foot	<b>\$10</b>	<b>44270</b>	<b>\$442,700</b>
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	Per Linear Foot	<b>\$48</b>	<b>44270</b>	<b>\$2,124,960</b>
Subtotal				\$2,567,660
Design (Subtotal * 15%)				\$385,149
Environmental (Subtotal * 8%)				\$205,413
Construction Management (Subtotal + D + E) * 10%				\$315,822
Mobilization (Subtotal + D + E) * 8%				\$252,658
Traffic Control (Subtotal + D + E) * 5%				\$157,911
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$582,692
<b>TOTAL =</b>				<b>\$4,467,305</b>

## SAGE AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	Per Linear Foot	<b>\$10</b>	<b>3201</b>	<b>\$32,010</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	Per Linear Foot	<b>\$64</b>	<b>2539</b>	<b>\$162,496</b>
<b>Shoulder Stripe (Both Sides)</b>	Per Linear Foot	<b>\$3</b>	<b>2539</b>	<b>\$7,617</b>
<b>Asphalt Path (12', with two 2' shoulders)</b>	Per Linear Foot	<b>\$103</b>	<b>9367</b>	<b>\$964,754</b>
Subtotal				\$1,166,877
Design (Subtotal * 15%)				\$175,032
Environmental (Subtotal * 8%)				\$93,350
Construction Management (Subtotal + D + E) * 10%				\$143,526
Mobilization (Subtotal + D + E) * 8%				\$114,821
Traffic Control (Subtotal + D + E) * 5%				\$71,763
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$264,805
<b>TOTAL =</b>				<b>\$2,030,174</b>

## SAN ANDREAS ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Asphalt Path (12', with two 2' shoulders)</b>	Per Linear Foot	<b>\$103</b>	<b>16461</b>	<b>\$1,695,401</b>
Subtotal				\$1,695,401
Design (Subtotal * 15%)				\$254,310
Environmental (Subtotal * 8%)				\$135,632
Construction Management (Subtotal + D + E) * 10%				\$208,534
Mobilization (Subtotal + D + E) * 8%				\$166,827
Traffic Control (Subtotal + D + E) * 5%				\$104,267
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$384,746
<b>TOTAL =</b>				<b>\$2,949,717</b>

## SANTA BARBARA DRIVE LOOP

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Green-Backed Sharrows &amp; Bike Route Signs (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>9050</b>	<b>\$90,500</b>
Subtotal				\$90,500
Design (Subtotal * 15%)				\$13,575
Environmental (Subtotal * 8%)				\$7,240
Construction Management (Subtotal + D + E) * 10%				\$11,132
Mobilization (Subtotal + D + E) * 8%				\$8,905
Traffic Control (Subtotal + D + E) * 5%				\$5,566
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$20,538
<b>TOTAL =</b>				<b>\$157,455</b>

## STATE ROUTE 247

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>90218</b>	<b>\$902,180</b>
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$48</b>	<b>90218</b>	<b>\$4,330,464</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>2518</b>	<b>\$161,152</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>2518</b>	<b>\$7,554</b>
Subtotal				\$5,401,350
Design (Subtotal * 15%)				\$810,203
Environmental (Subtotal * 8%)				\$432,108
Construction Management (Subtotal + D + E) * 10%				\$664,366
Mobilization (Subtotal + D + E) * 8%				\$531,493
Traffic Control (Subtotal + D + E) * 5%				\$332,183
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$1,225,755
<b>TOTAL =</b>				<b>\$9,397,458</b>

## STATE ROUTE 62 (A)

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
Buffered Bike Lane Striping (2 sides of road)	Per Linear Foot	\$16	48748	\$779,968
6' Paved Asphalt Shoulder (2 sides of road)	Per Linear Foot	\$48	13707	\$657,936
8' Paved Asphalt Shoulder (2 sides of road)	Per Linear Foot	\$64	4146	\$265,344
Rumble Strips	Per Linear Foot	\$0.50	43257	\$21,629
Excavation	Per Cubic Yard	\$150	1015	\$152,250
Subtotal				\$1,877,127
Design (Subtotal * 15%)				\$281,569
Environmental (Subtotal * 8%)				\$150,170
Construction Management (Subtotal + D + E) * 10%				\$230,887
Mobilization (Subtotal + D + E) * 8%				\$184,709
Traffic Control (Subtotal + D + E) * 5%				\$115,443
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$425,986
<b>TOTAL =</b>				<b>\$3,265,890</b>

## STATE ROUTE 62 (B)

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Buffered Bike Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$16</b>	<b>30831</b>	<b>\$493,296</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>16905</b>	<b>\$1,081,920</b>
<b>6' Concrete Sidewalk (1 side of street)</b>	<b>Per Linear Foot</b>	<b>\$56</b>	<b>5455</b>	<b>\$305,480</b>
<b>Rumble Strips</b>	<b>Per Linear Foot</b>	<b>\$0.50</b>	<b>6056</b>	<b>\$3,028</b>
Subtotal				\$1,883,724
Design (Subtotal * 15%)				\$282,559
Environmental (Subtotal * 8%)				\$150,698
Construction Management (Subtotal + D + E) * 10%				\$231,698
Mobilization (Subtotal + D + E) * 8%				\$185,358
Traffic Control (Subtotal + D + E) * 5%				\$115,849
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$427,483
<b>TOTAL =</b>				<b>\$3,277,369</b>

## STATE ROUTE 62 (C)

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>1661</b>	<b>\$16,610</b>
<b>Buffered Bike Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$16</b>	<b>46395</b>	<b>\$742,320</b>
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$48</b>	<b>31162</b>	<b>\$1,495,776</b>
<b>Rumble Strips</b>	<b>Per Linear Foot</b>	<b>\$0.50</b>	<b>41756</b>	<b>\$20,878</b>
<b>Excavation</b>	<b>Per Cubic Yard</b>	<b>\$150</b>	<b>2308</b>	<b>\$346,200</b>
Subtotal				\$2,621,784
Design (Subtotal * 15%)				\$393,268
Environmental (Subtotal * 8%)				\$209,743
Construction Management (Subtotal + D + E) * 10%				\$322,479
Mobilization (Subtotal + D + E) * 8%				\$257,984
Traffic Control (Subtotal + D + E) * 5%				\$161,240
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$594,975
<b>TOTAL =</b>				<b>\$4,561,472</b>

## STATE ROUTE 62 (D)

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
Class II Bicycle Lane Striping (2 sides of road)	Per Linear Foot	\$10	3012	\$30,120
Buffered Bike Lane Striping (2 sides of road)	Per Linear Foot	\$16	53131	\$850,096
6' Paved Asphalt Shoulder (2 sides of road)	Per Linear Foot	\$48	22999	\$1,103,952
8' Paved Asphalt Shoulder (2 sides of road)	Per Linear Foot	\$64	7681	\$491,584
Rumble Strips	Per Linear Foot	\$0.50	39631	\$19,816
Excavation	Per Cubic Yard	\$150	1111	\$166,650
Subtotal				\$2,662,218
Design (Subtotal * 15%)				\$399,333
Environmental (Subtotal * 8%)				\$212,977
Construction Management (Subtotal + D + E) * 10%				\$327,453
Mobilization (Subtotal + D + E) * 8%				\$261,962
Traffic Control (Subtotal + D + E) * 5%				\$163,726
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$604,150
<b>TOTAL =</b>				<b>\$4,631,819</b>



## STATE ROUTE 62 (E)

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Buffered Bike Lane Striping (2 sides of road)</b>	Per Linear Foot	\$16	28380	\$454,080
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	Per Linear Foot	\$48	28380	\$1,362,240
<b>Rumble Strips</b>	Per Linear Foot	\$0.50	28380	\$14,190
<b>Excavation</b>	Per Cubic Yard	\$150	1051	\$157,650
Subtotal				\$1,988,160
Design (Subtotal * 15%)				\$298,224
Environmental (Subtotal * 8%)				\$159,053
Construction Management (Subtotal + D + E) * 10%				\$244,544
Mobilization (Subtotal + D + E) * 8%				\$195,635
Traffic Control (Subtotal + D + E) * 5%				\$122,272
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$451,183
<b>TOTAL =</b>				<b>\$3,459,070</b>

# SUNBURST AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
Green-Backed Sharrows & Bike Route Signs (2 sides of road)	Per Linear Foot	\$10	4744	\$47,440
Class II Bicycle Lane Striping (2 sides of road)	Per Linear Foot	\$10	12897	\$128,970
8' Paved Asphalt Shoulder (2 sides of road)	Per Linear Foot	\$64	12897	\$825,408
Asphalt Path (12', with two 2' shoulders)	Per Linear Foot	\$103	2810	\$289,416
Subtotal				\$1,291,234
Design (Subtotal * 15%)				\$193,685
Environmental (Subtotal * 8%)				\$103,299
Construction Management (Subtotal + D + E) * 10%				\$158,822
Mobilization (Subtotal + D + E) * 8%				\$127,057
Traffic Control (Subtotal + D + E) * 5%				\$79,411
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$293,026
<b>TOTAL =</b>				<b>\$2,246,534</b>

## SUNNYSLOPE DRIVE / EL PASEO DRIVE / ENCELIA AVENUE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>20340</b>	<b>\$1,301,760</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>20340</b>	<b>\$61,020</b>
Subtotal				\$1,362,780
Design (Subtotal * 15%)				\$204,417
Environmental (Subtotal * 8%)				\$109,022
Construction Management (Subtotal + D + E) * 10%				\$167,622
Mobilization (Subtotal + D + E) * 8%				\$134,098
Traffic Control (Subtotal + D + E) * 5%				\$83,811
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$309,262
<b>TOTAL =</b>				<b>\$2,371,012</b>

## SUNNYSLOPE DRIVE

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>12593</b>	<b>\$805,952</b>
<b>Shoulder Stripe (Both Sides)</b>	<b>Per Linear Foot</b>	<b>\$3</b>	<b>12593</b>	<b>\$37,779</b>
Subtotal				\$843,731
Design (Subtotal * 15%)				\$126,560
Environmental (Subtotal * 8%)				\$67,498
Construction Management (Subtotal + D + E) * 10%				\$103,779
Mobilization (Subtotal + D + E) * 8%				\$83,023
Traffic Control (Subtotal + D + E) * 5%				\$51,889
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$191,472
<b>TOTAL =</b>				<b>\$1,467,953</b>

## TWENTYNINE PALMS FLOOD CHANNEL

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Asphalt Path (12', with two 2' shoulders)</b>	<b>Per Linear Foot</b>	<b>\$103</b>	<b>36134</b>	<b>\$3,721,621</b>
Subtotal				\$3,721,621
Design (Subtotal * 15%)				\$558,243
Environmental (Subtotal * 8%)				\$297,730
Construction Management (Subtotal + D + E) * 10%				\$457,759
Mobilization (Subtotal + D + E) * 8%				\$366,208
Traffic Control (Subtotal + D + E) * 5%				\$228,880
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$844,566
<b>TOTAL =</b>				<b>\$6,475,007</b>

## TWO MILE ROAD (EAST)

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Asphalt Path (10', with two 2' shoulders)</b>	<b>Per Linear Foot</b>	<b>\$80</b>	<b>7969</b>	<b>\$637,520</b>
<b>Asphalt Path (12', with two 2' shoulders)</b>	<b>Per Linear Foot</b>	<b>\$103</b>	<b>15821</b>	<b>\$1,629,484</b>
Subtotal				\$2,267,004
Design (Subtotal * 15%)				\$340,051
Environmental (Subtotal * 8%)				\$181,360
Construction Management (Subtotal + D + E) * 10%				\$278,841
Mobilization (Subtotal + D + E) * 8%				\$223,073
Traffic Control (Subtotal + D + E) * 5%				\$139,421
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$514,463
<b>TOTAL =</b>				<b>\$3,944,213</b>

## UTAH TRAIL

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>17841</b>	<b>\$178,410</b>
<b>6' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$48</b>	<b>17841</b>	<b>\$856,368</b>
Subtotal				\$1,034,778
Design (Subtotal * 15%)				\$155,217
Environmental (Subtotal * 8%)				\$82,782
Construction Management (Subtotal + D + E) * 10%				\$127,278
Mobilization (Subtotal + D + E) * 8%				\$101,822
Traffic Control (Subtotal + D + E) * 5%				\$63,639
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$234,827
<b>TOTAL =</b>				<b>\$1,800,343</b>

## VALLE VISTA ROAD & PINTO MOUNTAIN ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$10</b>	<b>37086</b>	<b>\$370,860</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	<b>Per Linear Foot</b>	<b>\$64</b>	<b>37806</b>	<b>\$2,419,584</b>
Subtotal				\$2,790,444
Design (Subtotal * 15%)				\$418,567
Environmental (Subtotal * 8%)				\$223,236
Construction Management (Subtotal + D + E) * 10%				\$343,225
Mobilization (Subtotal + D + E) * 8%				\$274,580
Traffic Control (Subtotal + D + E) * 5%				\$171,612
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$633,249
<b>TOTAL =</b>				<b>\$4,854,912</b>

## YUCCA MESA ROAD & LA CONTENTA ROAD

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	Per Linear Foot	<b>\$10</b>	<b>19451</b>	<b>\$194,510</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	Per Linear Foot	<b>\$64</b>	<b>6919</b>	<b>\$442,816</b>
<b>Shoulder Stripe (Both Sides)</b>	Per Linear Foot	<b>\$3</b>	<b>6919</b>	<b>\$20,757</b>
Subtotal				\$658,083
Design (Subtotal * 15%)				\$98,712
Environmental (Subtotal * 8%)				\$52,647
Construction Management (Subtotal + D + E) * 10%				\$80,944
Mobilization (Subtotal + D + E) * 8%				\$64,755
Traffic Control (Subtotal + D + E) * 5%				\$40,472
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$149,342
<b>TOTAL =</b>				<b>\$1,144,956</b>

## YUCCA TRAIL / KICKAPOO TRAIL / SANTA FE TRAIL

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Class II Bicycle Lane Striping (2 sides of road)</b>	Per Linear Foot	<b>\$10</b>	<b>973</b>	<b>\$9,730</b>
<b>8' Paved Asphalt Shoulder (2 sides of road)</b>	Per Linear Foot	<b>\$64</b>	<b>12701</b>	<b>\$812,864</b>
<b>Shoulder Stripe (Both Sides)</b>	Per Linear Foot	<b>\$3</b>	<b>12701</b>	<b>\$38,103</b>
Subtotal				\$860,697
Design (Subtotal * 15%)				\$129,105
Environmental (Subtotal * 8%)				\$68,856
Construction Management (Subtotal + D + E) * 10%				\$105,866
Mobilization (Subtotal + D + E) * 8%				\$84,693
Traffic Control (Subtotal + D + E) * 5%				\$52,933
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$195,322
<b>TOTAL =</b>				<b>\$1,497,471</b>

# YUCCA VALLEY FLOOD CHANNEL

IMPROVEMENT / RECOMMENDATION	UNIT	COST	QUANTITY	TOTAL
<b>Asphalt Path (12', with two 2' shoulders)</b>	<b>Per Linear Foot</b>	<b>\$103</b>	<b>26225</b>	<b>\$2,701,044</b>
Subtotal				\$2,701,044
Design (Subtotal * 15%)				\$405,157
Environmental (Subtotal * 8%)				\$216,084
Construction Management (Subtotal + D + E) * 10%				\$332,228
Mobilization (Subtotal + D + E) * 8%				\$265,783
Traffic Control (Subtotal + D + E) * 5%				\$166,114
Contingency (Subtotal + D + E + CM + M + TC) * 15%				\$612,961
<b>TOTAL =</b>				<b>\$4,699,371</b>