

Central Avenue
Streetscape Improvements
Cost Estimate

Segment #1. Alameda Point (Pacific/Main to 50' east of Boat Ramp Road)

Description	Qty.	Unit	Unit Cost	Total	Notes & Assumptions
North/East Sidewalk Zone					\$13,000
Street Trees (Existing Tree Strip)	13	EA	\$1,000	\$13,000	Includes 24" box trees, 4'x4' tree wells, trenching, and barriers. Includes connection to irrigation.
South/West Sidewalk Zone					\$224,300
Curb and Gutter	915	LF	\$40.00	\$36,600	Assumes 6" concrete curb.
Decomposed Granite (Running Path)	3,750	SF	\$8.00	\$30,000	Note: 4' width, except where it widens at bus stop.
Multi-Use Trail	8,100	SF	\$12.00	\$97,200	Assumes concrete.
Trees in Planting Areas	13	EA	\$500	\$6,500	Includes 24" box trees.
Planting Area	3,600	SF	\$15.00	\$54,000	Note: 4' width. Includes irrigation
Pacific/Main Intersection					\$293,060
ADA Curb Ramps	1	EA	\$1,500	\$1,500	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts. Just SW corner
Standard Crosswalks	156	LF	\$10.00	\$1,560	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Street Light Upgrades at Marked Crosswalks	2	EA	\$10,000.00	\$20,000	Includes lights at either end of crosswalks on Central Avenue.
Gateway Feature (Alameda Point)	1	EA	\$20,000.00	\$20,000	Assumes gateway feature at west end of corridor.
Signal Replacement (Mast Arms and Controller)	1	EA	\$250,000.00	\$250,000	Realignment of intersection requires new signal
Medians/Islands					\$588,239
Curb and Gutter	1,824	LF	\$40.00	\$72,960	Assumes 6" concrete curb and gutter pan.
New or Modified Storm Drain (Connections)	2	LS	\$5,000.00	\$10,000	At curb extension locations.
ADA Curb Ramps	2	EA	\$1,500	\$3,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Planting Areas	25,933	SF	\$15.00	\$388,995	Includes demolition, imported soil, mulch, plants, and irrigation.
Trees in Planting Areas	17	EA	\$500	\$8,500	Includes 24" box trees.
Biofiltration Areas	3,500	SF	\$15.00	\$52,500	Stormwater management (4%) required for new streets.
New EBMUD Water Meter	1	LS	\$30,000.00	\$30,000	Assumes new 5/8" meter for street with SCC charge
Curb and Gutter (Bus Island)	140	LF	\$40.00	\$5,600	Includes both sides of Boat Ramp Road, but not West Ticonderoga.
Concrete Bus Island Paving	557	SF	\$12.00	\$6,684	
Bus Stop Improvements	2	EA	\$5,000	\$10,000	Includes bench, trash receptacle, and bike rack.
Curb-to-Curb (Central Avenue Only)					\$472,176
New Asphalt Roadway	43,022	SF	\$8.00	\$344,176	Includes demo, clearing, and grubbing
Asphalt Resurface (2" Grind and Overlay)	25,000	SF	\$4.00	\$100,000	Includes 2" grind and 2" overlay.
Lane Striping & Marking	1	LS	\$28,000.00	\$28,000	Includes green, lane, symbols, and marking.
Boat Ramp Road (Entire ROW)					\$781,280
New Asphalt Roadway	28,660	SF	\$8.00	\$229,280	Includes demo, clearing, and grubbing
New Storm Drain Inlets	4	EA	\$5,000.00	\$20,000	
New Storm Drain Infrastructure	500	LF	\$140.00	\$70,000	Assumes 12" line.
Biofiltration Areas	1,200	SF	\$15.00	\$18,000	Stormwater management (4%) required for new streets.
Curb and Gutter	470	LF	\$40.00	\$18,800	Includes both sides of Boat Ramp Road, but not West Ticonderoga.
ADA Curb Ramps	4	EA	\$1,500	\$6,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Concrete Sidewalks	15,980	SF	\$12.00	\$191,760	Includes both sides of Boat Ramp Road, but not West Ticonderoga.
Street Trees in Grates	38	EA	\$2,000	\$76,000	Includes 24" box trees, tree grates including frames (4'x4'), 4'x4' tree wells, trenching, root barriers and irrigation.
New Pedestrian Street Lights	12	EA	\$10,000.00	\$120,000	
Physical Curb Buffers (Concrete Wheel Stops)	72	LF	\$20.00	\$1,440	Assumes temporary parking blocks.

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Lane Striping & Marking	1	LS	\$12,000.00	\$10,000	Includes green, lane, symbols, and marking.
Gateway Feature	1	EA	\$20,000	\$20,000	Assumes gateway feature at north end of Boat Ramp Road for Bay Trail.
Pedestrian Zone and Signage				\$20,500	
Traffic Signage	10	EA	\$500.00	\$5,000	
Wayfinding/Pedestrian Signage	15	EA	\$500.00	\$7,500	
Bike Racks	4	EA	\$2,000.00	\$8,000	

Notes: Costs are rough estimates and should be confirmed for accuracy.

\$2,392,555.00

All items listed include installation costs.

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Segment #2. Encinal High School (*Lincoln Avenue to 210' east of Third Street and Taylor Avenue*)

Description	Qty.	Unit	Unit Cost	Total	Notes & Assumptions
North Sidewalk Zone					\$24,000
Street Trees in Grates	12	EA	\$2,000	\$24,000	Includes 24" box trees, tree grates including frames (4'x4'), 4'x4' tree wells, trenching, root barriers and irrigation.
South Sidewalk Zone					\$255,705
Curb and Gutter	1,750	LF	\$40.00	\$70,000	Assumes 6" concrete curb and gutter pan.
Concrete Sidewalk	5,650	SF	\$12.00	\$67,800	Additional 2' at existing back of sidewalk, plus a 6' sidewalk south of cycletrack.
Cycletrack Paving	8,750	SF	\$8.00	\$70,000	Assumes asphalt.
Street Trees in Grates	3	EA	\$2,000	\$6,000	Includes 24" box trees, tree grates including frames (4'x4'), 4'x4' tree wells, trenching, root barriers and irrigation.
EHS Driveways	600	SF	\$35.50	\$21,300	Note: 4 driveway curb cuts into the 2 EHS parking lots.
EHS Welcome Plaza	707	SF	\$15.00	\$10,605	Assumes scored decorative paving at relocated marquee.
Marquee Relocation	1	LS	\$10,000.00	\$10,000	Assumes reuse of existing marquee and connections.
Lincoln Avenue Intersection					\$98,910
Curb Extensions	2	EA	\$23,000	\$46,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Biofiltration Area	443	SF	\$15.00	\$6,645	At curb extension, assumes engineered soil import, demo and offhaul.
Standard Crosswalks	39	LF	\$10.00	\$390	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ladder Crosswalks	53	LF	\$16.50	\$875	Assumes "Standard Crosswalk" with 2' ladder rungs spaced 2' apart.
Street Light Upgrades at Marked Crosswalks	2	EA	\$10,000.00	\$20,000	Includes lights at either end of crosswalks on Central Avenue.
Rectangular Rapid Fire Beacon	1	EA	\$25,000.00	\$25,000	
Third/Taylor Intersection					\$401,686
Curb Extensions	4	EA	\$23,000	\$92,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Biofiltration Area	1,033	SF	\$15.00	\$15,495	At curb extension, assumes engineered soil import, demo and offhaul.
Ladder Crosswalks	254	LF	\$16.50	\$4,191	Assumes "Standard Crosswalk" with 2' ladder rungs spaced 2' apart.
Street Light Upgrades at Marked Crosswalks	4	EA	\$10,000.00	\$40,000	Includes lights at either end of crosswalks on Central Avenue.
New Traffic Signal (Mast Arms & Controller)	1	EA	\$250,000.00	\$250,000	
Curb-to-Curb (Central Avenue Only)					\$274,100
Asphalt Resurface (2" Grind and Overlay)	63,900	SF	\$4.00	\$255,600	Includes 2" grind and 2" overlay.
Lane Striping & Markings	1	LS	\$16,500.00	\$16,500	Includes green, lane, symbols, and marking.
Assessible Parking and Signage	1	EA	\$2,000.00	\$2,000	Assumes one spot at EHS (Striping, signage, ramp only)
Pedestrian Zone and Signage					\$15,500
Traffic Signage	5	EA	\$500.00	\$2,500	
Wayfinding/Pedestrian Signage	10	EA	\$500.00	\$5,000	
Bike Racks	4	EA	\$2,000.00	\$8,000	

Notes: Costs are rough estimates and should be confirmed for accuracy.

\$1,069,900.50

All items listed include installation costs.

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Segment #3. Paden Elementary School (210' east of Third Street and Taylor Avenue to 200' east of Fifth Street)

Description	Qty.	Unit	Unit Cost	Total	Notes & Assumptions
Fourth Street Intersection				\$241,895	
Curb Extensions	1	EA	\$23,000	\$23,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Curb and Gutter	464	LF	\$40.00	\$18,560	Assumes 6" concrete curb and gutter pan.
Concrete Sidewalk	737	SF	\$12.00	\$8,844	Sidewalk at new parking lane.
ADA Curb Ramps	6	EA	\$1,500	\$9,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Biofiltration /Planting Area	1,339	SF	\$15	\$20,085	Stormwater Garden in new median island. Includes demolition/off haul, top soil, planting and irrigation.
Trees in Planting Areas	4	EA	\$500	\$2,000	Includes 24" box trees.
Street Trees in Grates	3	EA	\$2,000	\$6,000	Includes 24" box trees, tree grates including frames (4'x4'), powder-coated tree guards, 5'x5' tree wells, trenching, and barriers.
Street Light Upgrades at Marked Crosswalks	5	EA	\$10,000.00	\$50,000	Includes lights at either end of crosswalks on Central Avenue.
Traffic Signal Bike Phasing Upgrades	1	LS	\$100,000.00	\$100,000	
Ladder Crosswalks	267	LF	\$16.50	\$4,406	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Paden Elementary School Mid-Block Crossing				\$93,319	
Curb Extensions	2	EA	\$20,000	\$40,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Curb and Gutter (Pedestrian Refuge Island)	109	LF	\$40.00	\$4,360	Assumes 6" concrete curb.
Pedestrian Refuge Island/Median	268	SF	\$12.00	\$3,216	Assumes concrete.
Street Light Upgrades at Marked Crosswalks	2	EA	\$10,000.00	\$20,000	Includes lights at either end of crosswalks on Central Avenue.
Ladder Crosswalks	45	LF	\$16.50	\$743	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Rectangular Rapid Fire Beacon	1	EA	\$25,000.00	\$25,000	
Fifth Street Intersection				\$89,861	
ADA Curb Ramps	4	EA	\$1,500	\$6,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Curb Extensions	1	EA	\$23,000	\$23,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Curb and Gutter (Pedestrian Refuge Island)	165	LF	\$40.00	\$6,600	Assumes 6" concrete curb.
Pedestrian Refuge Island/Median	759	SF	\$15.00	\$11,385	Assumes planted area.
Trees in Planting Areas	1	EA	\$500	\$500	Includes 24" box trees.
Street Light Upgrades at Marked Crosswalks	4	EA	\$10,000.00	\$40,000	Includes lights at either end of crosswalks on Central Avenue.
Ladder Crosswalks	144	LF	\$16.50	\$2,376	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Curb-to-Curb (Central Avenue Only)				\$438,800	
Asphalt Resurface (2" Grind and Overlay)	103,200	SF	\$4.00	\$412,800	Includes 2" grind and 2" overlay.
Lane Striping & Marking	1	LS	\$20,000.00	\$20,000	Includes green, lane, symbols, and marking.
Assessible Parking and Signage	1	EA	\$6,000	\$6,000	Assumes one spot at Paden Elementary School. (Demo curb/paving/ramp and signage)
Pedestrian Zone and Signage				\$35,500	
Traffic Signage	5	EA	\$500.00	\$2,500	
Wayfinding/Pedestrian Signage	10	EA	\$500.00	\$5,000	
Sidewalk Rehabilitation	1	LS	\$10,000.00	\$10,000	Assumes fix of buckling sidewalks, and street tree opportunities
Street Tree Allowance	1	LS	\$10,000.00	\$10,000	Assumes 10 trees in opportunity areas (15 gal install- no irrigation)
Bike Racks	4	EA	\$2,000.00	\$8,000	

Notes: Costs are rough estimates and should be confirmed for accuracy.

\$899,374.00

All items listed include installation costs.

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Segment #4. Bay Trail Connection to Crab Cove (200' east of Fifth Street to 200' west of Webster Street)

Description	Qty.	Unit	Unit Cost	Total	Notes & Assumptions
Crown Drive Intersection					\$92,186
Curb Extensions	2	EA	\$23,000	\$46,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Street Light Upgrades at Marked Crosswalks	2	EA	\$10,000.00	\$20,000	Includes lights at either end of crosswalks on Central Avenue.
Rectangular Rapid Fire Beacon	1	EA	\$25,000.00	\$25,000	
Standard Crosswalks	46	LF	\$10	\$460	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ladder Crosswalks	44	LF	\$16.50	\$726	Assumes "Standard Crosswalk" with 2' ladder rungs spaced 2' apart.
Sixth Street Intersection					\$83,004
Curb Extensions	2	EA	\$23,000	\$46,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Biofiltration Area	239	SF	\$15.00	\$3,585	At curb extension, assumes engineered soil import, demo and offhaul.
Curb and Gutter (Pedestrian Refuge Island)	120	LF	\$40.00	\$4,800	Assumes 6" concrete curb.
Pedestrian Refuge Island/Median	500	SF	\$15.00	\$7,500	Assumes planted area.
Street Light Upgrades at Marked Crosswalks	2	EA	\$10,000.00	\$20,000	Includes lights at either end of crosswalks on Central Avenue.
Standard Crosswalks	36	LF	\$10	\$360	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ladder Crosswalks	46	LF	\$16.50	\$759	Assumes "Standard Crosswalk" with 2' ladder rungs spaced 2' apart.
McKay Avenue Intersection					\$3,620
ADA Curb Ramps	2	EA	\$1,500	\$3,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Standard Crosswalks	62	LF	\$10.00	\$620	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Curb-to-Curb (Central Avenue Only)					\$316,000
Asphalt Resurface (2" Grind and Overlay)	73,500	SF	\$4.00	\$294,000	Includes 2" grind and 2" overlay.
Lane Striping & Marking	1	LS	\$22,000.00	\$22,000	Includes green, lane, symbols, and marking.
Pedestrian Zone and Signage					\$35,500
Traffic Signage	5	EA	\$500.00	\$2,500	
Wayfinding/Pedestrian Signage	10	EA	\$500.00	\$5,000	
Sidewalk Rehabilitation	1	LS	\$10,000.00	\$10,000	Assumes fix of buckling sidewalks, and street tree opportunities
Street Tree Allowance	1	LS	\$10,000.00	\$10,000	Assumes 10 trees in opportunity areas (15 gal install- no irrigation)
Bike Racks	4	EA	\$2,000.00	\$8,000	

Notes: Costs are rough estimates and should be confirmed for accuracy.

\$530,310.00

All items listed include installation costs.

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Segment #5. Caltrans ROW: Webster Commercial District/Washington Park (200' west of Webster Street to 200' east of Eighth Street)

Description	Qty.	Unit	Unit Cost	Total	Notes & Assumptions
Webster Street Intersection				\$92,020	
Curb Extensions	3	EA	\$23,000	\$69,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
ADA Curb Ramps	2	EA	\$1,500	\$3,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Ladder Crosswalks	183	LF	\$16.50	\$3,020	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Assessible Parking and Signage	2	EA	\$6,000.00	\$12,000	Assumes two spots on Webster (per WABA's preference).
Signal Timing Modification	1	EA	\$5,000.00	\$5,000	Assumes two spots on Webster (per WABA's preference).
Page Street Intersection				\$71,753	
Curb Extensions	2	EA	\$23,000	\$46,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Standard Crosswalks	38	LF	\$10.00	\$10	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ladder Crosswalks	45	LF	\$16.50	\$743	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Rectangular Rapid Fire Beacon	1	EA	\$25,000.00	\$25,000	
Eighth Street Intersection				\$368,284	
Curb Extensions	1	EA	\$23,000	\$23,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout.
Bus Curb Extension	1	LS	\$30,000	\$30,000	Assumes 4' width 200' length of bus stop in combination with curb extension and SD modification
ADA Curb Ramps	4	EA	\$1,500	\$6,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Bus Stop Improvements	2	EA	\$5,000	\$10,000	Includes bench, trash receptacle, and bike rack.
Ladder Crosswalks	199	LF	\$16.50	\$3,284	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Street Light Upgrades at Marked Crosswalks	4	EA	\$10,000.00	\$40,000	Includes lights at either end of crosswalks on Central Avenue.
Assessible Parking and Signage	1	EA	\$6,000.00	\$6,000	Assumes one spot at Washington Park.
New Traffic Signal	1	EA	\$250,000.00	\$250,000	
Curb-to-Curb (Central Avenue Only)				\$393,200	
Asphalt Resurface (2" Grind and Overlay)	90,300	SF	\$4.00	\$361,200	Includes 2" grind and 2" overlay.
Lane Striping & Marking	1	LS	\$32,000.00	\$32,000	Includes green, lane, symbols, and marking.
Pedestrian Zone and Signage				\$35,500	
Traffic Signage	5	EA	\$500.00	\$2,500	
Wayfinding/Pedestrian Signage	10	EA	\$500.00	\$5,000	
Sidewalk Rehabilitation	1	LS	\$10,000.00	\$10,000	Assumes fix of buckling sidewalks, and street tree opportunities
Street Tree Allowance	1	LS	\$10,000.00	\$10,000	Assumes 10 trees in opportunity areas (15 gal install- no irrigation)
Bike Racks	4	EA	\$2,000.00	\$8,000	

Notes: Costs are rough estimates and should be confirmed for accuracy.

\$960,755.50

All items listed include installation costs.

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Segment #6. Caltrans ROW: Eighth to Sherman/Encinal (200' east of Eighth Street to Sherman/Encinal)

Description	Qty.	Unit	Unit Cost	Total	Notes & Assumptions
Burbank Street Intersection					\$40,240
Curb Extensions	2	EA	\$20,000	\$40,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Standard Crosswalks	24	LF	\$10.00	\$240	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ninth Street Intersection					\$113,710
ADA Curb Ramps	2	EA	\$1,500	\$3,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts. SE Corner.
Curb Extensions	3	EA	\$23,000	\$69,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Standard Crosswalks	171	LF	\$10.00	\$1,710	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Street Light Upgrades at Marked Crosswalks	4	EA	\$10,000.00	\$40,000	Includes lights at either end of crosswalks on Central Avenue.
Weber Street Intersection					\$43,337
ADA Curb Ramps	4	EA	\$1,500	\$6,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Standard Crosswalks	38	LF	\$10.00	\$380	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ladder Crosswalks	58	LF	\$16.50	\$957	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Street Light Upgrades at Marked Crosswalks	2	EA	\$10,000.00	\$20,000	Includes lights at either end of crosswalks on Central Avenue.
Assessible Parking and Signage	1	EA	\$6,000.00	\$6,000	Assumes one spot at Weber Street.
Bus Stops	2	EA	\$5,000	\$10,000	Includes bench, trash receptacle, and bike rack.
Caroline Street Intersection					\$95,516
ADA Curb Ramps	2	EA	\$1,500	\$3,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts. NW and SW Corner.
Curb Extensions	2	EA	\$23,000	\$46,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Standard Crosswalks	74	LF	\$10.00	\$740	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ladder Crosswalks	47	LF	\$16.50	\$776	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Street Light Upgrades at Marked Crosswalks	2	EA	\$10,000.00	\$20,000	Includes lights at either end of crosswalks on Central Avenue.
Rectangular Rapid Fire Beacon	1	EA	\$25,000.00	\$25,000	
St. Charles Street Intersection					\$93,780
ADA Curb Ramps	4	EA	\$1,500	\$6,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts. NW and SE corner.
Curb Extensions	2	EA	\$23,000	\$46,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Standard Crosswalks	178	LF	\$10.00	\$1,780	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Street Light Upgrades at Marked Crosswalks	4	EA	\$10,000.00	\$40,000	Includes lights at either end of crosswalks on Central Avenue.
Bay Street Intersection					\$40,678
ADA Curb Ramps	6	EA	\$1,500	\$9,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Bus Stop Improvements	2	EA	\$5,000	\$10,000	Includes bench, trash receptacle, and bike rack.
Standard Crosswalks	77	LF	\$10.00	\$770	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ladder Crosswalks	55	LF	\$16.50	\$908	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Street Light Upgrades at Marked Crosswalks	2	EA	\$10,000.00	\$20,000	Includes lights at either end of crosswalks on Central Avenue.
Sherman/Encinal Intersection					\$155,007
ADA Curb Ramps	4	EA	\$1,500	\$6,000	Includes warning surface pavers, as well as demolition costs and repaving asphalt at cuts.
Curb Extensions	2	EA	\$23,000	\$46,000	Includes demolition of existing roadway and existing curb and gutter; new concrete in bulbout, ADA Ramps, and SD modifications.
Standard Crosswalks	94	LF	\$10.00	\$940	Assumes two 2.5' wide thermoplastic strips of paint located 7.5' apart.
Ladder Crosswalks	91	LF	\$16.50	\$1,502	Assumes "Standard Crosswalk" with 2' latter rungs spaced 2' apart.
Street Light Upgrades at Marked Crosswalks	4	EA	\$10,000.00	\$40,000	Includes lights at either end of crosswalks on Central/Encinal Avenues.
Curb and Gutter	414	LF	\$40.00	\$16,560	Assumes 6" concrete curb around medians/islands.

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Pedestrian Refuge Island	50	SF	\$12.00	\$600	Assumes concrete.
Planting Areas	1,227	SF	\$15.00	\$18,405	Includes demolition, imported soil, mulch, plants, irrigation.
Gateway Feature	1	EA	\$20,000.00	\$20,000	Assumes gateway feature at east end of corridor.
Signal Retiming	1	EA	\$5,000.00	\$5,000	
Curb-to-Curb (Central Avenue Only)				\$703,600	
Asphalt Resurface (2" Grind and Overlay)	165,900	SF	\$4.00	\$663,600	Includes 2" grind and 2" overlay.
Lane Striping & Marking	1	LS	\$40,000.00	\$40,000	Includes green, lane, symbols, and marking.
Pedestrian Zone and Signage				\$55,500	
Traffic Signage	5	EA	\$500.00	\$2,500	
Wayfinding/Pedestrian Signage	10	EA	\$500.00	\$5,000	
Sidewalk Rehabilitation	1	LS	\$20,000.00	\$20,000	Assumes fix of buckling sidewalks, and street tree opportunities
Street Tree Allowance	1	LS	\$20,000.00	\$20,000	Assumes 10 trees in opportunity areas (15 gal install- no irrigation)
Bike Racks	4	EA	\$2,000.00	\$8,000	

Notes: Costs are rough estimates and should be confirmed for accuracy.

\$1,341,366.50

All items listed include installation costs.

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Segments Combined

Description	Total
Segment 1	\$2,392,555
Segment 2	\$1,069,901
Segment 3	\$899,374
Segment 4	\$530,310
Segment 5	\$960,756
Segment 6	\$1,341,367
Entire Study Area (Segments 1-6)	\$7,194,262
Construction Contingency (10%)	\$719,426
Mobilization, Traffic Control, SWPPP (5%)	\$359,713
Plans, Specifications and Estimates (PS&E) (10%)	\$719,426
Project Total	\$8,992,827

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