

APPENDIX E

Mendocino County Detailed Project Cost Estimates

Project Cost Estimates

Planning-level cost estimates were prepared for the priority “core community projects” that would be competitive against ATP grant criteria and logically ranked against each other.

Estimates cover only basic pedestrian improvements. The projects and cost estimates only include basic pedestrian improvement elements. Bicycle facilities were included in many previous plans and are usually combined with pedestrian projects, but the projects in this study don’t include any bicycle facilities. Street amenities and landscaping are also not included in the cost estimates. Lighting is only included where specifically identified.

May not cover special conditions and requirements. Constraints such as terrain, right-of-way and utilities are identified in the project summary tables and may be discussed in the project descriptions, but these are not factored in the project cost estimates because there isn’t enough information to do so.

The cost for crosswalk improvements assumes that no additional work other than striping and marking are needed. Actual crosswalk projects might involve repairing or repaving the street and relocating utilities and drainage, which could increase the cost by several times the base cost.

Use of prior project cost estimates. Prior cost estimates from projects that had previously been studied and designed were reviewed to separate out pertinent parts, if necessary. The prior estimate totals were escalated from the year they were created to 2019 costs assuming 2% annual inflation. For projects with prior estimates that did not include environmental review, a 5-20% soft cost was applied based on the assumptions detailed in the methodology below. In some cases, new cost estimates were prepared to compare to the prior estimates. The higher of the two estimates was used.

Methodology for new estimates. For new projects or prior projects that did not have estimates, estimates were prepared using a table of construction elements and unit prices (see Table 1) prepared with input from GHD engineers based on reference to construction-level cost estimates and actual bid prices on similar projects. Project cost estimates (see Table 2-7) were prepared by TrailPeople using these unit prices. The consultant team inventoried and approximately quantified the anticipated construction elements to create project-specific estimates (see Appendix A for the full breakdown of the estimates). The costs are necessarily very approximate due to the conceptual nature of the projects.

A cost percentage for Construction Preparation was added as a percentage of the item cost. This includes project logistics such as construction area signs, storm water management, traffic control, and site clean-up. The percentage varies based on how much the type of improvement would tend to have significant construction and interfere with traffic and require more staging and traffic control.

The unit costs were multiplied by the quantities of items identified for each project. Then a 20% estimating contingency was applied to the total. Finally, a 35-50% allowance was applied to the construction total (the “hard” costs) to account for “soft” costs for the project, which includes assumptions of 20% for design and construction period services, 10% for project administration, and 5-20% for environmental review and mitigations. This range for the environmental review

accounts for the diversity of project types. Projects with close proximity to coastal or riparian areas were assigned 20%, projects in proximity to tribal lands or in relatively undeveloped areas were assigned 10%. All others were assigned 5%.

Table 1: Unit Cost Assumptions

Item #	Item Description	Units	Demolition and Removal	Earthwork	Sidewalk	Curb & Gutter	Retaining Wall
Walking Facilities							
1	New 5' sidewalk with curb and gutter	LF		\$18	\$55	\$45	
2	New 5' sidewalk (no curb and gutter)	LF		\$10	\$55		
3	New 5' sidewalk with 2' - 3' retaining wall (no curb and gutter)	LF		\$20	\$55		\$150
4	Replace existing sidewalk, curb and gutter with new 5' sidewalk	LF	\$23	\$18	\$55	\$45	
5	Replace existing sidewalk with new 5' sidewalk (no curb and gutter)	LF	\$15	\$10	\$55		
6	Replace existing sidewalk with high curb/wall with new 5' sidewalk, wall, curb and gutter	LF	\$31	\$20	\$55	\$45	\$100
7	New pedestrian path - 5' wide asphalt paved	LF		\$10			
8	New pedestrian path - 5' wide asphalt paved with 2' - 3' retaining wall	LF		\$25			\$150
9	Class I multi-use path	LF		\$28			
10	Pedestrian bridge	LF		\$0			
11	Add road shoulders - approx. 4' one side; minor constraints	LF		\$15			
12	Add road shoulders - approx. 4' one side; requires retaining wall	LF		\$25			\$100
Crossing and Safety Improvements							
13	New crosswalk; high visibility	EA					
14	New raised crosswalk; high visibility	EA					
15	Add "crosswalk ahead" warning signs (set of 2)	EA					
16	Add user-activated warning lights/signals to existing crosswalk	EA					
17	Add pedestrian-level safety lighting	LF					
18	Add curb ramps (set of 2)	EA			\$3,450	\$1,900	
19	Add median refuge island	EA			\$360	\$380	
20	Add curb bump-out, per corner	EA			\$2,340	\$1,520	
21	Add stop signs (set of 2)	EA					

Asphalt	Agg Base	Raised Crosswalk	Striping/ Markings /Signs	Detectable Warning Surface	Base Cost	Construction Preparation	Unit Cost	Notes/Assumptions
			\$0		\$118	5%	\$123.90	Assumes 4" thick sidewalk, Type A2-6 curb, and 4" of A.B. beneath both.
			\$0		\$65	5%	\$68.25	Assumes 4" thick sidewalk and 4" of A.B.
			\$0		\$225	5%	\$236.25	Assumes 4" thick sidewalk, 4" of A.B. and assumes 3' tall average retaining wall
			\$0		\$141	5%	\$148.05	Assumes 4" thick sidewalk and 4" of A.B.
			\$0		\$80	5%	\$84.00	Assumes 4" thick sidewalk and 4" of A.B.
			\$0		\$251	5%	\$263.55	Assumes high curb/wall averages 2' tall
\$10	\$10		\$4		\$34	2%	\$34.68	Assumes 2.5" of A.C., 2' shoulders and 6" of A.B.
\$10	\$10		\$4		\$199	2%	\$202.98	Assumes 2.5" of A.C., 2' shoulders, 6" of A.B. and assumes 3' tall average retaining wall
\$10	\$19		\$12		\$69	2%	\$70.38	10' wide A.C. with 2' D.G. shoulders
			\$10		\$3,000	5%	\$3,150.00	10 - 12' wide, prefabricated, with concrete foundations
\$8	\$9		\$4		\$36	10%	\$39.60	Assume 2.5" of AC, and 12" of A.B.
\$8	\$9		\$4		\$146	10%	\$160.60	Assume 2.5" of AC, and 12" of A.B. and assumes 2' average retaining wall
			\$2,000		\$2,000	20%	\$2,400.00	
		\$8,800	\$2,000		\$10,800	20%	\$12,960.00	
					\$1,500		\$1,500.00	To be included with crosswalks
					\$10,000		\$10,000.00	Pedestrian Hybrid Beacon
					\$100		\$100.00	Multiply by length of intersection or segment
				\$1,200	\$6,550	10%	\$7,205.00	Add to bump-out cost
				\$1,200	\$1,940	20%	\$2,328.00	
			\$500	\$1,200	\$5,560	20%	\$6,672.00	Assume 30 LF ea. - large bump-outs are counted as 2
					\$1,500		\$1,500.00	

Table 2: Detailed Cost Estimate Tables for South Coast areas

South Coast Detailed Project Cost Estimates		Walking Facilities								
			New 5' sidewalk with curb and gutter	New 5' sidewalk (no curb and gutter)	New 5' sidewalk with 2' - 3' retaining wall (no curb and gutter)	Replace existing sidewalk, curb and gutter with new 5' sidewalk	Replace existing sidewalk with new 5' sidewalk (no curb and gutter)	Reconstruct existing sidewalk with high curb/wall with new 5' sidewalk, wall, curb and gutter	New pedestrian path - 5' wide asphalt paved	New pedestrian path - 5' wide asphalt paved with 2' - 3' retaining wall
Project ID	Project		LF	LF	LF	LF	LF	LF	EA	EA
			98	53	220	97	53	213	53	230
PA 1	Northern Point Arena Sidewalk and Crossing Improvement Project - State Highway	541,529	-	172,780	-	127,846	-	240,903	-	-
	School Street from Main Street to City Hall (North)	368,749	-	-	-	127,846	-	240,903	-	-
	School Street from Main Street to City Hall (South)	172,780	-	172,780	-	-	-	-	-	-
	Main Street Crossings	-	-	-	-	-	-	-	-	-
PA 2	Northern Point Arena Sidewalk and Crossing Improvement Project - City Streets	161,285	-	-	22,440	19,012	100,912	-	18,921	-
	Lake Street Sidewalk Gap Closure (North)	67,098	-	-	-	-	67,098	-	-	-
	Lake Street Sidewalk Gap Closure (South)	33,814	-	-	-	-	33,814	-	-	-
	Riverside Drive Sidewalk Extension	41,452	-	-	22,440	19,012	-	-	-	-
	Point Arena – School Access Path	18,921	-	-	-	-	-	-	18,921	-
PA 3	Southern Point Arena Sidewalk and Crossing Improvement Project - State Highway	154,100	-	-	-	-	-	-	-	154,100
	Main Street Crossing (At Mill Street)	-	-	-	-	-	-	-	-	-
	Main Street Crossing (At Iverson Ave)	-	-	-	-	-	-	-	-	-
	Highway 1 Improvement (South of Iverson Ave)	154,100	-	-	-	-	-	-	-	154,100
PA 4	Southern Point Arena Sidewalk and Crossing Improvement Project - City Streets	456,529	-	44,043	221,100	59,752	-	131,634	-	-
	Mill Street Sidewalk Improvements (North)	143,759	-	-	-	12,125	-	131,634	-	-
	Mill Street Sidewalk Improvements (South)	47,627	-	-	-	47,627	-	-	-	-
	Iverson Sidewalk Improvements	221,100	-	-	221,100	-	-	-	-	-
	Port Road Sidewalk Gap Closure	124,650	-	44,043	-	80,607	-	-	-	-

Class I multi-use path	Pedestrian bridge	Add road shoulders - approx. 4' each side; minor constraints	Add road shoulders - approx. 4' each side; requires retaining wall	Crossing and safety improvements	New crosswalk; high visibility	New raised crosswalk; high visibility	Add "crosswalk ahead" warning signs (set of 2)	Add user-activated warning lights/signals to existing crosswalk	Add pedestrian-level safety lighting	Add curb ramps (set of 2)	Add median refuge island	Add curb bump-out, per corner	Stop Sign	Utilities and Infrastructure	Convert existing surface culverts to below ground storm drains	SUB-TOTAL	ENVIRONMENTAL REVIEW (Included in soft cost)	TOTAL (Includes 20% contingency and 35-50% soft cost)
EA	LF	LF	EA		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA			
85	3,560	49	167		2,000	10,800	1,500	10,000	12,500	5,000	2,600	5,250	1,500		24,640			
-	-	-	-	4,000	4,000	-	-	-	-	-	-	-	-	-	-	545,529	5%	883,757
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	368,749		597,373
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172,780		279,904
-	-	-	-	4,000	4,000	-	-	-	-	-	-	-	-	-	-	4,000		6,480
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161,285	5%	261,282
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67,098		108,699
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33,814		54,779
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41,452		67,152
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18,921		30,652
-	-	-	-	12,000	2,000	-	-	####	-	-	-	-	-	-	-	166,100	5%	269,082
-	-	-	-	10,000	-	-	-	####	-	-	-	-	-	-	-	10,000		16,200
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	2,000		3,240
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154,100		249,642
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	456,529	5%	739,577
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143,759		232,890
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,627		77,156
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	221,100		358,182
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124,650		201,933

Table 3: Detailed Cost Estimate Tables for South Coast areas (continued)

South Coast Detailed Project Cost Estimates		Walking Facilities								
			New 5' sidewalk with curb and gutter	New 5' sidewalk (no curb and gutter)	New 5' sidewalk with 2' - 3' retaining wall (no curb and gutter)	Replace existing sidewalk, curb and gutter with new 5' sidewalk	Replace existing sidewalk with new 5' sidewalk (no curb and gutter)	Reconstruct existing sidewalk with high curb/wall with new 5' sidewalk, wall, curb and gutter	New pedestrian path - 5' wide asphalt paved	New pedestrian path - 5' wide asphalt paved with 2' - 3' retaining wall
Project ID	Project		LF	LF	LF	LF	LF	LF	EA	EA
			98	53	220	97	53	213	53	230
PA 5	Pathway Connections to Port Road and Main Street	124,020	-	-	-	-	-	-	124,020	-
	Harper's Trail Development	124,020	-	-	-	-	-	-	124,020	-
PA 6	Point Arena - Arena Cove Access	218,148	-	-	-	-	-	-	218,148	-
	Pedestrian Pathway (South)	218,148	-	-	-	-	-	-	218,148	-
	Crosswalks at Port Road	-	-	-	-	-	-	-	-	-
G-2	Gualala North Downtown Sidewalk and Crossing Improvements Project	358,386	110,446	-	247,940	-	-	-	-	-
	Highway 1 Sidewalk Improvement (East)	247,940	-	-	247,940	-	-	-	-	-
	Highway 1 Sidewalk Improvement (West)	110,446	110,446	-	-	-	-	-	-	-
	Highway 1 Crossing Improvement	-	-	-	-	-	-	-	-	-
G-3	Gualala Northern Sidewalk and Crossing Improvements Project	158,110	-	-	-	158,110	-	-	-	-
	Highway 1 Sidewalk Improvement (West)	158,110	-	-	-	158,110	-	-	-	-
	Highway 1 Crossing Improvement	-	-	-	-	-	-	-	-	-
G-4	Gualala-Area Old Stage Road & Old State Highway Improvements	478,170	-	-	-	-	-	-	-	478,170
	Pedestrian Path Along Old State Highway	-	-	-	-	-	-	-	-	-
	New Crossing at Highway 1	478,170	-	-	-	-	-	-	-	478,170
M-1	Central Manchester Highway 1 Sidewalk Connection	80,854	39,494	-	41,360	-	-	-	-	-
	Centrak Manchester Highway 1 Sidewalk Connection	80,854	39,494	-	41,360	-	-	-	-	-
E-1	Central Elk Pedestrian Improvements	300,870	10,290	-	63,800	-	-	-	-	226,780
	Northwest Side Walkway	199,210	10,290	-	63,800	-	-	-	-	125,120
	Greenwood State Beach Crossing Improvements	-	-	-	-	-	-	-	-	-
	Elk Greenwood State Beach Visitor Center Path	101,660	-	-	-	-	-	-	-	101,660

Class I multi-use path	Pedestrian bridge	Add road shoulders - approx. 4' each side; minor constraints	Add road shoulders - approx. 4' each side; requires retaining wall	Crossing and safety improvements	New crosswalk; high visibility	New raised crosswalk; high visibility	Add "crosswalk ahead" warning signs (set of 2)	Add user-activated warning lights/signals to existing crosswalk	Add pedestrian-level safety lighting	Add curb ramps (set of 2)	Add median refuge island	Add curb bump-out, per corner	Stop Sign	Utilities and Infrastructure	Convert existing surface culverts to below ground storm drains	SUB-TOTAL	ENVIRONMENTAL REVIEW (Included in soft cost)	TOTAL (Includes 20% contingency and 35-50% soft cost)
EA	LF	LF	EA		EA	EA	EA	EA	EA	EA	EA	EA	EA		EA			
85	3,560	49	167		2,000	10,800	1,500	10,000	12,500	5,000	2,600	5,250	1,500		24,640			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124,020	5%	200,912
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124,020		200,912
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	220,148	20%	396,266
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	218,148		353,400
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	2,000		3,240
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	360,386	10%	627,072
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	247,940		401,663
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110,446		178,923
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	2,000		3,240
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	160,110	20%	288,198
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	158,110		256,138
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	2,000		3,240
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	480,170	20%	864,306
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	2,000		3,240
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	478,170		774,635
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80,854	20%	145,537
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80,854		130,983
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	302,870	20%	545,166
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	199,210		322,720
-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	2,000		3,240
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101,660		164,689

Table 4: Detailed Cost Estimate Tables for Fort Bragg

Fort Bragg Detailed Project Cost Estimates			Walking facilities									
Project ID	Project		New 5' sidewalk with curb and gutter	New 5' sidewalk (no curb and gutter)	New 5' sidewalk with 2' - 3' retaining wall (no curb and gutter)	Replace existing sidewalk, curb and gutter with new 5' sidewalk	Replace existing sidewalk with new 5' sidewalk (no curb and gutter)	Reconstruct existing sidewalk with high curb/wall with new 5' sidewalk, wall, curb and gutter	New pedestrian path - 5' wide asphalt paved	New pedestrian path - 5' wide asphalt paved with 2' - 3' retaining wall	Class I multi-use path	Pedestrian bridge
			LF	LF	LF	LF	LF	LF	EA	EA	EA	LF
			124	68	236	148	84	263	35	202	70	3,150
FB-1	Northern Highway 1 Crossings	71,854										
	Crossing at Airport Road and Pudding Creek Road and connections north and/or south on either side including access to Coastal Trail	71,854	-	-	-	-	-	-	39,130	32,724	-	-
FB-2	Elm Street Pedestrian Improvements	142,080										
	Pedestrian Improvements on Elm Street, from North Main Street to Sea Glass Beach State Park	142,080	-	-	-	142,080	-	-	-	-	-	-
FB-3	Maple Street Pedestrian Improvements	111,960										
	Sidewalk and crossing improvements on Maple Street from Main Street to South Harold Street	111,960	40,920	-	-	71,040	-	-	-	-	-	-
FB-4	Redwood Avenue Coastal Linkage	-										
	From Alder Street via Chief Celery Drive to Redwood Avenue	-	-	-	-	-	-	-	-	-	-	-
FB-5	Cedar Street Sidewalk Improvements	222,800										
	Complete sidewalks on Cedar Street from Morrow Street to Fort Bragg City Limit	222,800	148,800	-	-	74,000	-	-	-	-	-	-
FB-6	South Main Street (State Highway 1) Corridor Pedestrian Enhancement - Maple Street to Cypress Street	294,004										
	Sidewalk and crossing improvements on Main Street from Maple Street to Cypress Street	294,004	294,004	-	-	-	-	-	-	-	-	-
FB-7	North Harbor Drive Pedestrian Path	-										
	Add pedestrian path along south side of North Harbor Drive between Woodward Street and Noyo River	-	-	-	-	-	-	-	-	-	-	-
FB-8	South Noyo Harbor Trail	-										
	Extend Pomo Bluffs trail eastward to Southern Harbor	-	-	-	-	-	-	-	-	-	-	-
FB-9	South Main Street (State Highway 1) Corridor Pedestrian Enhancement - Noyo Bridge to Ocean View Drive	125,120										
	Noyo Bridge to Ocean View Drive, including crosswalks, curb ramps medians, and curb bump outs	125,120	-	125,120	-	-	-	-	-	-	-	-
FB-10	South Main Street (State Highway 1) Corridor Pedestrian Enhancement - Ocean View Drive to Highway 20	379,480										
	Main Street from Ocean View Drive to Highway 20, including crosswalks, curb ramps medians, and curb bump outs	379,480	-	71,264	308,216	-	-	-	-	-	-	-
FB-17	North of Fort Bragg Pedestrian Connections	860,308										
	Airport Road and/or Pudding Creek Road connection to State Highway 1	860,308	-	515,984	344,324	-	-	-	-	-	-	-

	Add road shoulders - approx. 4' one side; minor constraints	Add road shoulders - approx. 4' one side; requires retaining wall	Crossing and safety improvements	New crosswalk; high visibility	New raised crosswalk; high visibility	Add "crosswalk ahead" warning signs (set of 2)	Add user-activated warning lights/signals to existing crosswalk	Add pedestrian-level safety lighting	Add curb ramps (set of 2)	Add median refuge island	Add curb bump-out, per corner	Stop Sign	SUB-TOTAL	ENVIRONMENTAL REVIEW (Included in soft cost)	TOTAL (Includes 20% contingency and 35-50% soft cost)
LF	EA		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA			
39	160		2,400	12,960	1,500	10,000	100	7,205	2,328	6,672	1,500				
			7,800										87,454	5%	141,675
-	-	7,800	4,800	-	3,000	-	-	-	-	-	-	-	87,454		141,675
			3,900										149,880	20%	273,156
-	-	3,900	2,400	-	1,500	-	-	-	-	-	-	-	149,880		273,156
			80,148										284,255	5%	460,493
-	-	80,148	7,200	-	4,500	-	-	68,448	-	-	12,000	-	284,255		460,493
			-										398,759	included	423,166
-	-	-	-	-	-	-	-	-	-	-	-	-	398,759		423,166
			28,944										280,688	5%	454,715
-	-	28,944	9,600	-	6,000	-	-	-	-	13,344	-	-	280,688		454,715
			206,964										707,932	5%	1,146,850
-	-	206,964	28,800	-	18,000	-	-	86,460	6,984	66,720	-	-	707,932		1,146,850
			-										2,890,000	included	3,066,891
-	-	-	-	-	-	-	-	-	-	-	-	-	2,890,000		3,066,891
			-										144,356	included	153,192
-	-	-	-	-	-	-	-	-	-	-	-	-	144,356		153,192
			98,183										321,485	5%	520,806
-	-	98,183	14,400	-	9,000	-	-	32,423	2,328	40,032	-	-	321,485		520,806
			107,423										594,326	5%	962,808
-	-	107,423	16,800	-	4,500	-	-	50,435	2,328	33,360	-	-	594,326		962,808
			19,500										899,308	20%	1,638,989
-	-	19,500	12,000	-	7,500	-	-	-	-	-	-	-	899,308		1,638,989

Table 5: Detailed Cost Estimate Tables for Ukiah

Ukiah Detailed Project Cost Estimates		Walking facilities										
			New 5' sidewalk with curb and gutter	New 5' sidewalk (no curb and gutter)	New 5' sidewalk with 2' - 3' retaining wall (no curb and gutter)	Replace existing sidewalk, curb and gutter with new 5' sidewalk	Replace existing sidewalk with new 5' sidewalk (no curb and gutter)	Reconstruct existing sidewalk with high curb/wall with new 5' sidewalk, wall, curb and gutter	New pedestrian path - 5' wide asphalt paved	New pedestrian path - 5' wide asphalt paved with 2' - 3' retaining wall	Class I multi-use path	Pedestrian bridge
Project ID	Project		LF	LF	LF	LF	LF	LF	EA	EA	EA	LF
			124	68	236	148	84	263	35	202	70	3,150
U-1	Despina Drive Crossing Improvements	-										
	Crossing and school loading improvements at Despina Drive and Capps Lane, Despina Drive and Low Gap Road	-	-	-	-	-	-	-	-	-	-	-
U-2	Pedestrian Improvements Near Frank Zeek Elementary School	-										
	North Bush Street Crossing Improvements	-	-	-	-	-	-	-	-	-	-	-
	North Pine Street Sidewalk C8:Z12Improvements	56,792	56,792	-	-	-	-	-	-	-	-	-
	Magnolia Street Pedestrian Improvements	19,840	19,840	-	-	-	-	-	-	-	-	-
	Elm Street Sidewalk Improvements	18,972	18,972	-	-	-	-	-	-	-	-	-
U-3	Cypress Avenue Pedestrian Facility Improvements	-										
	Cypress Avenue from North Bush Street to North Spring Street, south side sidewalks and crossing improvements	15,872	15,872	-	-	-	-	-	-	-	-	-
U-4	Pomolita Middle School Access Improvements	101,928	101,928									
	Hazel Avenue Pedestrian Improvements	83,080	83,080	-	-	-	-	-	-	-	-	-
	Dora Avenue and Grove Avenue Intersection Crossing Improvements	-	-	-	-	-	-	-	-	-	-	-
	Spring Street Pedestrian Improvements	94,368	18,848	-	75,520	-	-	-	-	-	-	-
U-5	Clara Avenue Neighborhood Pedestrian Improvements	-										
	Sidewalk and crossing improvements on Clara Avenue from North State to North Orchard Avenue	208,096	159,712	-	-	-	48,384	-	-	-	-	-
U-6	East Clay Street Sidewalk Gap Closure	-										
	South Side of East Clay Street from South Main Street to NWP Rail Line	111,352	111,352	-	-	-	-	-	-	-	-	-
U-7	Leslie Street Pedestrian Facility Improvements	-										
	New sidewalk with curb and gutter on west side of Leslie Street and crossing improvements from East Perkins Street to River Oak Charter School	129,580	129,580	-	-	-	-	-	-	-	-	-
U-8	South Main Street Pedestrian Enhancement	-										
	Sidewalk gap closure and crosswalk improvements on South Main Street from East Stephenson Street to East Gobbi Street	55,080	-	55,080	-	-	-	-	-	-	-	-
	Crosswalk improvements, South Main Street from East Mill Street to East Gobbi Street	-	-	-	-	-	-	-	-	-	-	-

Add road shoulders - approx. 4' one side; minor constraints		Crossing and safety Improvements	New crosswalk; high visibility	New raised crosswalk; high visibility	Add "crosswalk ahead" warning signs (set of 2)	Add user-activated warning lights/signals to existing crosswalk	Add pedestrian-level safety lighting	Add curb ramps (set of 2)	Add median refuge island	Add curb bump-out, per corner	Stop Sign	SUB-TOTAL	ENVIRONMENTAL REVIEW (Included in soft cost)	TOTAL (Includes 20% contingency and 35-50% soft cost)
LF	EA		EA	EA	EA	EA	EA	EA	EA	EA	EA			
39	160		2,400	12,960	1,500	10,000	100	7,205	2,328	6,672	1,500			
		-										81,452	5%	131,952
		81,452	9,600	-	3,000	-	-	28,820	-	40,032	-	81,452		131,952
		-	-	-	-	-	-	-	-	-	-	174,312	5%	282,385
		48,898	4,800	-	3,000	-	-	14,410	-	26,688	-	48,898		79,215
		-	-	-	-	-	-	-	-	-	-	56,792		92,003
		18,705	-	-	1,500	10,000	-	7,205	-	-	-	38,545		62,443
		11,105	2,400	-	1,500	-	-	7,205	-	-	-	30,077		48,725
		-	-	-	-	-	-	-	-	-	-	58,098	5%	94,119
		42,226	4,800	-	3,000	-	-	14,410	-	20,016	-	58,098		94,119
		-	-	-	-	-	-	-	-	-	-	355,865	5%	576,501
		42,025	-	-	-	-	-	36,025	-	-	6,000	125,105		202,670
		32,572	2,400	-	1,500	10,000	-	-	2,328	13,344	3,000	32,572		52,767
		103,820	12,000	-	7,500	30,000	-	28,820	4,656	13,344	7,500	198,188		321,065
		-	-	-	-	-	-	-	-	-	-	275,349	5%	446,065
		67,253	-	-	-	-	-	7,205	-	60,048	-	275,349		446,065
		-	-	-	-	-	-	-	-	-	-	111,352	5%	180,390
		-	-	-	-	-	-	-	-	-	-	111,352		180,390
		-	-	-	-	-	-	-	-	-	-	184,068	5%	152,294
		54,488	4,800	-	3,000	20,000	-	-	-	26,688	-	184,068		298,190
		-	-	-	-	-	-	-	-	-	-	146,598	5%	237,488
		-	-	-	-	-	-	-	-	-	-	55,080		89,230
		91,518	40,800	-	25,500	-	-	25,218	-	-	-	91,518		148,258

Table 6: Detailed Cost Estimate Tables for Ukiah (continued)

Ukiah Detailed Project Cost Estimates		Walking facilities										
			LF	LF	LF	LF	LF	LF	EA	EA	EA	LF
			124	68	236	148	84	263	35	202	70	3,150
U-9	South Ukiah School Access Improvements	-	-	-	-	-	-	-	-	-	-	-
	West Gobbi Street Crosswalk Improvements	-	-	-	-	-	-	-	-	-	-	-
	Mendocino Drive Crosswalk Improvements	-	-	-	-	-	-	-	-	-	-	-
	Oak Manor Drive Pedestrian Improvements	-	-	-	-	-	-	-	-	-	-	-
	Helen Ave Sidewalk Gap Closure	100,520	92,380	-	-	8,140	-	-	-	-	-	-
	Washington Avenue Sidewalk Gap Closure	24,800	24,800	-	-	-	-	-	-	-	-	-
	Wabash Avenue Pedestrian Crossing Improvements	-	-	-	-	-	-	-	-	-	-	-
U-10	South State Street Pedestrian Crossing Enhancement	-	-	-	-	-	-	-	-	-	-	-
	South State Street and Luce Avenue, South State Street and Observatory Avenue	-	-	-	-	-	-	-	-	-	-	-
U-11	Betty and Lorraine Street Improvements	-	-	-	-	-	-	-	-	-	-	-
	New sidewalks on Betty Street from Marlene Street to Talmage Frontage Road	115,320	115,320	-	-	-	-	-	-	-	-	-
	New sidewalks on Lorraine Street from Marlene Street to Talmage Frontage Road and one crosswalk	130,820	130,820	-	-	-	-	-	-	-	-	-
U-12	Ukiah Rail with Trail South Segment	-	-	-	-	-	-	-	-	-	-	-
	Class I path along the NWP Rail Line from East Gobbi Street to Norgard Lane, with new crossings	683,760	-	-	-	-	-	-	-	-	683,760	-
U-13	Airport Park Blvd Pedestrian Enhancement	-	-	-	-	-	-	-	-	-	-	-
	Adding sidewalks to close gaps on Airport Park Boulevard, and crosswalks at intersection with Old Country Road	280,736	280,736	-	-	-	-	-	-	-	-	-
U-20	Millview Road and Kuki Lane Sidewalk Gap Closure	-	-	-	-	-	-	-	-	-	-	-
	Add sidewalks on Millview Road from Feed Lot Road to Kuki Lane and on Kuki Lane from Millview Road to North State Street, and crosswalk at Feedlot Road	122,016	122,016	-	-	-	-	-	-	-	-	-
U-21	Jefferson Lane Pedestrian Gap Closure	-	-	-	-	-	-	-	-	-	-	-
	Add sidewalk on south side of Jefferson Lane near South State Street, and one crosswalk	45,756	45,756	-	-	-	-	-	-	-	-	-
U-22	Talmage Road Interchange Sidewalk Improvements	-	-	-	-	-	-	-	-	-	-	-
	Talmage Rd and Highway 101 Interchange	98,828	98,828	-	-	-	-	-	-	-	-	-
U-23	Talmage Road Class I Path and Shoulder Improvements	-	-	-	-	-	-	-	-	-	-	-
	Add Class I path on north side of Talmage Road from Babcock Lane to West Sanford Ranch Road and colored shoulders from there to Old River Road	1,369,711	-	-	-	-	-	-	-	-	303,514	945,000

Add road shoulders - approx. 4' one side; minor constraints		Crossing and safety Improvements	New crosswalk; high visibility	New raised crosswalk; high visibility	Add "crosswalk ahead" warning signs (set of 2)	Add user-activated warning lights/signals to existing crosswalk	Add pedestrian-level safety lighting	Add curb ramps (set of 2)	Add median refuge island	Add curb bump-out, per corner	Stop Sign	SUB-TOTAL	ENVIRONMENTAL REVIEW (Included in soft cost)	TOTAL (Includes 20% contingency and 35-50% soft cost)
LF	EA													
39	160		2,400	12,960	1,500	10,000	100	7,205	2,328	6,672	1,500			
-	-	-	-	-	-	-	-	-	-	-	-	336,771	5%	545,569
-	-	63,606	7,200	-	4,500	-	-	25,218	-	26,688	-	63,606		103,041
-	-	31,952	4,800	-	3,000	-	-	10,808	-	13,344	-	31,952		51,761
-	-	26,110	7,200	-	4,500	-	-	14,410	-	-	-	26,110		42,298
-	-	-	-	-	-	-	-	-	-	-	-	100,520		162,842
-	-	22,210	4,800	-	3,000	-	-	14,410	-	-	-	47,010		76,156
-	-	67,574	2,400	25,920	1,500	10,000	-	14,410	-	13,344	-	67,574		109,470
-	-	-	-	-	-	-	-	-	-	-	-	68,898	5%	111,615
-	-	68,898	4,800	-	3,000	20,000	-	14,410	-	26,688	-	68,898		111,615
-	-	-	-	-	-	-	-	-	-	-	-	257,245	5%	416,737
-	-	11,105	2,400	-	1,500	-	-	7,205	-	-	-	126,425		204,809
-	-	-	-	-	-	-	-	-	-	-	-	130,820		211,928
-	-	-	-	-	-	-	-	-	-	-	-	747,075	10%	1,260,689
-	-	63,315	7,200	-	4,500	30,000	-	21,615	-	-	-	747,075		1,260,689
-	-	-	-	-	-	-	-	-	-	-	-	314,349	5%	509,245
-	-	33,613	9,600	-	6,000	-	-	18,013	-	-	-	314,349		509,245
-	-	-	-	-	-	-	-	-	-	-	-	133,121	5%	215,656
-	-	11,105	2,400	-	1,500	-	-	7,205	-	-	-	133,121		215,656
-	-	-	-	-	-	-	-	-	-	-	-	56,861	5%	92,115
-	-	11,105	2,400	-	1,500	-	-	7,205	-	-	-	56,861		92,115
-	-	-	-	-	-	-	-	-	-	-	-	149,538	20%	269,168
-	-	50,710	4,800	-	1,500	30,000	-	14,410	-	-	-	149,538		269,168
-	-	-	-	-	-	-	-	-	-	-	-	1,386,011	20%	2,494,819
121,196	-	16,300	4,800	-	1,500	10,000	-	-	-	-	-	1,386,011		2,494,819

Table 7: Detailed Cost Estimate Tables for Willits

Willits Detailed Project Cost Estimates		Walking facilities										
Project ID	Project	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	LF
		124	68	236	148	84	263	35	202	70		3,150
W-1	East Van Lane and Schmidbauer Lane Pedestrian Alley and Enhanced Crosswalk	-	-	-	-	-	-	-	-	-	-	-
	Install concrete pavers on alleys between Muir Lane and Humboldt Street and East Commercial Street and a raised, enhanced crosswalk at South Main Street/Redwood Highway	-	-	-	-	-	-	-	-	-	-	-
W-2	Brookside Elementary School Pedestrian Improvements	-	-	-	-	-	-	-	-	-	-	-
	Brookside Drive Sidewalk and Crossing Improvements	234,360	234,360	-	-	-	-	-	-	-	-	-
	West Mendocino Avenue Sidewalk Improvement	30,752	30,752	-	-	-	-	-	-	-	-	-
	Easy Street, Spruce Street and Redwood Avenue Sidewalk Improvements	126,604	126,604	-	-	-	-	-	-	-	-	-
	North Street Sidewalk Improvements	68,448	68,448	-	-	-	-	-	-	-	-	-
	Mill Creek Drive Sidewalk Improvements	116,656	89,280	-	27,376	-	-	-	-	-	-	-
	Mill Street Sidewalk Improvements	38,440	38,440	-	-	-	-	-	-	-	-	-
	Laurel Street Crossing and Sidewalk Improvements	50,344	50,344	-	-	-	-	-	-	-	-	-
W-3	North Willits Rail Trail and Casteel Lane Connection	-	-	-	-	-	-	-	-	-	-	-
	Rail Trail from Commercial Street to Casteel Lane	383,985	-	-	-	-	-	85,995	-	171,990	126,000	-
	Class I Trail on Casteel Lane	95,550	-	-	-	-	-	31,850	-	63,700	-	-
W-4	Coast Street Pedestrian Improvements	-	-	-	-	-	-	-	-	-	-	-
	Sidewalks, curb ramps and crosswalks on Coast Street between West San Francisco Street and Highway 20	188,188	140,988	-	47,200	-	-	-	-	-	-	-
W-5	Franklin Avenue Pedestrian Improvements	-	-	-	-	-	-	-	-	-	-	-
	Sidewalk and crosswalks on Franklin Avenue from Blosser Lane to South Main Street/Highway 20	178,436	178,436	-	-	-	-	-	-	-	-	-
W-6	Blosser Lane Pedestrian Improvements - City Streets	-	-	-	-	-	-	-	-	-	-	-
	Sidewalk addition on west side of Blosser Lane, 7 crosswalks	165,292	165,292	-	-	-	-	-	-	-	-	-
W-7	Blosser Lane Pedestrian Improvements - State Highways	-	-	-	-	-	-	-	-	-	-	-
	Crossing improvements at Highway 20 and Blosser Lane - User activated signal, median,	-	-	-	-	-	-	-	-	-	-	-
W-8	Walnut Street and South Main Street/Highway 20 Intersection Crossing Enhancement	-	-	-	-	-	-	-	-	-	-	-
	Walnut Street and South Main Street/Highway 20 Intersection add crosswalk, median, curb ramp	-	-	-	-	-	-	-	-	-	-	-
W-9	Pedestrian Improvements near Baechtel Grove Middle School	-	-	-	-	-	-	-	-	-	-	-
	Walnut Street Sidewalk Improvements	84,320	84,320	-	-	-	-	-	-	-	-	-
	Locust Street Improvements	194,184	194,184	-	-	-	-	-	-	-	-	-
	Holly Street Sidewalk Improvements	166,780	166,780	-	-	-	-	-	-	-	-	-
	Poplar Street Sidewalk Improvements	115,320	115,320	-	-	-	-	-	-	-	-	-
	Hazel Street Sidewalk Improvements	38,440	38,440	-	-	-	-	-	-	-	-	-

Add road shoulders - approx. 4' one side; minor constraints		Crossing and safety improvements	New crosswalk; high visibility	New raised crosswalk; high visibility	Add "crosswalk ahead" warning signs (set of 2)	Add user-activated warning lights/signals to existing crosswalk	Add pedestrian-level safety lighting	Add curb ramps (set of 2)	Add median refuge island	Add curb bump-out, per corner	Stop Sign	SUB-TOTAL	ENVIRONMENTAL REVIEW (Included in soft cost)	TOTAL (Includes 20% contingency and 35-50% soft cost)
LF	EA													
39	160		2,400	12,960	1,500	10,000	100	7,205	2,328	6,672	1,500			
-	-	-	-	-	-	-	-	-	-	-	-	568,874	5%	921,576
-	-	-	-	-	-	-	-	-	-	-	-	568,874		921,576
-	-	-	-	-	-	-	-	-	-	-	-	764,359	5%	1,238,262
-	-	15,005	4,800	-	3,000	-	-	7,205	-	-	-	249,365		403,971
-	-	7,205	-	-	-	-	-	7,205	-	-	-	37,957		61,490
-	-	10,808	-	-	-	-	-	10,808	-	-	-	137,412		222,607
-	-	32,720	2,400	-	1,500	-	-	28,820	-	-	-	101,168		163,892
-	-	-	-	-	-	-	-	-	-	-	-	116,656		188,983
-	-	10,808	-	-	-	-	-	10,808	-	-	-	49,248		79,781
-	-	22,210	4,800	-	3,000	-	-	14,410	-	-	-	72,554		117,537
-	-	-	-	-	-	-	-	-	-	-	-	503,984	10%	846,693
-	-	24,449	2,400	-	1,500	-	-	7,205	-	13,344	-	408,434		686,169
-	-	-	-	-	-	-	-	-	-	-	-	95,550		160,524
-	-	-	-	-	-	-	-	-	-	-	-	226,812	5%	367,435
-	-	38,624	4,800	-	3,000	-	-	10,808	-	20,016	-	226,812		367,435
-	-	-	-	-	-	-	-	-	-	-	-	193,441	5%	313,374
-	-	15,005	4,800	-	3,000	-	-	7,205	-	-	-	193,441		313,374
-	-	-	-	-	-	-	-	-	-	-	-	1,300,000	Included	1,300,000
-	-	-	-	-	-	-	-	-	-	-	-	1,300,000		1,300,000
-	-	-	-	-	-	-	-	-	-	-	-	24,093	20%	48,770
-	-	30,105	2,400	-	1,500	10,000	-	7,205	2,328	6,672	-	30,105		48,770
-	-	-	-	-	-	-	-	-	-	-	-	18,331	5%	29,695
-	-	18,331	2,400	-	-	10,000	-	3,603	2,328	-	-	18,331		29,695
-	-	19,605	2,400	-	-	10,000	-	7,205	-	-	-	660,259	5%	1,069,620
-	-	19,605	2,400	-	-	10,000	-	7,205	-	-	-	103,925		168,359
-	-	39,210	4,800	-	-	20,000	-	14,410	-	-	-	233,394		378,098
-	-	2,400	2,400	-	-	-	-	-	-	-	-	169,180		274,072
-	-	-	-	-	-	-	-	-	-	-	-	115,320		186,818
-	-	-	-	-	-	-	-	-	-	-	-	38,440		62,273

Table 8: Detailed Cost Estimate Tables for Willits (continued)

Willits Detailed Project Cost Estimates		Walking facilities										
Project ID	Project		New 5' sidewalk with curb and gutter	New 5' sidewalk (no curb and gutter)	New 5' sidewalk with 2' - 3' retaining wall (no curb and gutter)	Replace existing sidewalk, curb and gutter with new 5' sidewalk	Replace existing sidewalk with new 5' sidewalk (no curb and gutter)	Reconstruct existing sidewalk with high curb/wall with new 5' sidewalk, wall, curb and gutter	New pedestrian path - 5' wide asphalt paved	New pedestrian path - 5' wide asphalt paved with 2' - 3' retaining wall	Class I multi-use path	Pedestrian bridge
			LF	LF	LF	LF	LF	LF	EA	EA	EA	LF
			124	68	236	148	84	263	35	202	70	3,150
W-10	Baechtel Road and Shell Lane Sidewalk Improvements	-	-	-	-	-	-	-	-	-	-	-
	Baechtel Road Sidewalk Improvements	-	88,660	-	-	-	-	-	-	-	-	-
	Crossing Improvements at Baechtel Road and South Main Street/Highway 20	-	-	-	-	-	-	-	-	-	-	-
	Shell Lane Connection to Rail Trail	-	-	-	-	-	-	-	-	-	-	-
W-11	East Hill Road Sidewalk Improvements	-	-	-	-	-	-	-	-	-	-	-
	From Baechtel Road to the East City Limit, sidewalk infill and crosswalks with curb ramps	-	-	-	-	-	-	-	-	-	-	-
W-12	Elm Lane pedestrian Improvements	-	-	-	-	-	-	-	-	-	-	-
	Sidewalk, crosswalk and curb ramp improvements at intersections with Manor Way and Alder Lane	-	-	-	-	-	-	-	-	-	-	-
W-13	Manor Way and Main Street/Highway 20 Intersection Improvements	-	-	-	-	-	-	-	-	-	-	-
	Manor Way crosswalk and sidewalk improvements	30,380	30,380	-	-	-	-	-	-	-	-	-
W-14	South Main Street/Highway 20 to Sandy Lane Sidewalk Improvements	-	-	-	-	-	-	-	-	-	-	-
	Sidewalk Gap Closure	149,296	149,296	-	-	-	-	-	-	-	-	-
	Crossing Improvements	-	-	-	-	-	-	-	-	-	-	-
W-15	Enhanced Lighting on East Commercial Street	-	-	-	-	-	-	-	-	-	-	-
	Fill gaps in pedestrian level lighting on East Commercial to Snyder and Recreation Grove Parks and ballfields	-	-	-	-	-	-	-	-	-	-	-
W-16	Enhanced Lighting on Main Street/South Main Street/Redwood Highway	-	-	-	-	-	-	-	-	-	-	-
	Fill gaps in lighting on South Main Street/Redwood Highway between West Mendocino Avenue and Casteel Lane	-	-	-	-	-	-	-	-	-	-	-
W-22	Della Avenue Sidewalk Improvements	-	-	-	-	-	-	-	-	-	-	-
	Add sidewalk on the north side of Della Avenue and crosswalk at intersection with Meadowbrook	172,360	172,360	-	-	-	-	-	-	-	-	-

Add road shoulders - approx. 4' one side; minor constraints		Crossing and safety Improvements	New crosswalk; high visibility	New raised crosswalk; high visibility	Add "crosswalk ahead" warning signs (set of 2)	Add user-activated warning lights/signals to existing crosswalk	Add pedestrian-level safety lighting	Add curb ramps (set of 2)	Add median refuge island	Add curb bump-out, per corner	Stop Sign	SUB-TOTAL	ENVIRONMENTAL REVIEW (Included in soft cost)	TOTAL (Includes 20% contingency and 35-50% soft cost)
LF	EA		EA	EA	EA	EA	LF	EA	EA	EA	EA			
39	160		2,400	12,960	1,500	10,000	100	7,205	2,328	6,672	1,500			
-	-	-	-	-	-	-	-	-	-	-	-	451,105	5%	481,562
-	-	-	-	-	-	-	-	-	-	-	-	-		-
-	-	21,105	2,400	-	1,500	10,000	-	7,205	-	-	-	21,105		34,190
-	-	-	-	-	-	-	-	-	-	-	-	430,000	included	447,372
-	-	-	-	-	-	-	-	-	-	-	-	400,000	included	416,160
-	-	-	-	-	-	-	-	-	-	-	-	400,000		416,160
-	-	-	-	-	-	-	-	-	-	-	-	33,918	5%	54,946
-	-	33,918	7,200	-	1,500	-	-	25,218	-	-	-	33,918		54,946
-	-	-	-	-	-	-	-	-	-	-	-	41,485	5%	67,206
-	-	11,105	2,400	-	1,500	-	-	7,205	-	-	-	41,485		67,206
-	-	-	-	-	-	-	-	-	-	-	-	166,404	5%	269,574
-	-	-	-	-	-	-	-	-	-	-	-	149,296		241,860
-	-	17,108	4,800	-	1,500	-	-	10,808	-	-	-	17,108		27,714
-	-	-	-	-	-	-	-	-	-	-	-	230,000	5%	372,600
-	-	230,000	-	-	-	-	230,000	-	-	-	-	230,000		372,600
-	-	-	-	-	-	-	-	-	-	-	-	120,000	5%	194,400
-	-	120,000	-	-	-	-	120,000	-	-	-	-	120,000		194,400
-	-	-	-	-	-	-	-	-	-	-	-	176,260	5%	285,541
-	-	3,900	2,400	-	1,500	-	-	-	-	-	-	176,260		285,541

Table 9: Detailed Cost Estimate Tables for North Coast/Inland Unincorporated areas

Unincorporated Areas Detailed Project Cost Estimates		Walking facilities	Walking facilities							Walking facilities		
			New 5' sidewalk with curb and gutter	New 5' sidewalk (no curb and gutter)	New 5' sidewalk with 2' - 3' retaining wall (no curb and gutter)	Replace existing sidewalk, curb and gutter with new 5' sidewalk	Replace existing sidewalk with new 5' sidewalk (no curb and gutter)	Reconstruct existing sidewalk with high curb/wall with new 5' sidewalk, wall, curb and gutter	New pedestrian path - 5' wide asphalt paved	New pedestrian path - 5' wide asphalt paved with 2' - 3' retaining wall	Class I multi-use path	Pedestrian bridge
Project ID	Project		LF	LF	LF	LF	LF	LF	EA	EA	EA	LF
			124	68	236	148	84	263	35	202	70	3,150
	Boonville Area Connection Projects											
BV-1	Downtown Boonville Crossing Improvements	-	-	-	-	-	-	-	-	-	-	-
	Calpella Area Connection Projects											
CAL-1	Downtown Calpella Pedestrian Improvements	-	-	-	-	-	-	-	-	-	-	-
	Covelo Area Connection Projects											
CO-1	Howard Street and Foothill Boulevard Pedestrian Improvements	-	-	-	-	-	-	-	-	-	-	-
CO-2	Southern Highway 162 Pedestrian Improvements	-	-	-	-	-	-	-	-	-	-	-
CO-3	Highway 162 Crossing Improvements	-	-	-	-	-	-	-	-	-	-	-
	Hopland Area Connection Projects											
HOP-1	Highway 101 Complete Street Improvements	-	-	-	-	-	-	-	-	-	-	-
HOP-2	Highway 101 and Highway 175 Crossing Improvements	-	-	-	-	-	-	-	-	-	-	-
	Laytonville Area Connection Projects											
LTV-1	Laytonville High School Pedestrian Improvements	168,240	167,400	-	-	-	840	-	-	-	-	-
LTV-2	Highway 101 Pedestrian Improvements	75,640	75,640	-	-	-	-	-	-	-	-	-
LTV-3	Laytonville Elementary School Pedestrian Improvements	216,256	216,256	-	-	-	-	-	-	-	-	-
	Redwood Valley Area											
RW-1	Redwood Valley Pedestrian Improvements	559,240	559,240	-	-	-	-	-	-	-	-	-
	Westport Projects											
WP1	North Westport Area Shoulder Path	55,370	-	-	-	-	-	-	55,370	-	-	-

Add road shoulders - approx. 4' each side; minor constraints		Crossing and safety improvements	New crosswalk; high visibility	New raised crosswalk; high visibility	Add "crosswalk ahead" warning signs (set of 2)	Add user-activated warning lights/signals to existing crosswalk	Add pedestrian-level safety lighting	Add curb ramps (set of 2)	Add median refuge island	Add curb bump-out, per corner	Stop Sign	Utilities and Infrastructure	Convert existing surface culverts to below ground storm drains	SUB-TOTAL	ENVIRONMENTAL REVIEW (Included in soft cost)	TOTAL (Includes 20% contingency and 35-50% soft cost)
LF	EA															
39	160		2,400	12,960	1,500	10,000	100	7,205	2,328	6,672	1,500		24,640			
-	-	27,631	7,200	-	4,500	10,000	-	3,603	2,328	-	-	-	-	27,631	5%	44,761
-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,983,000	included	5,000,379
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,828,000	included	2,018,260
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,340,000	20%	1,775,362
-	-	43,400	14,400	-	9,000	20,000	-	-	-	-	-	-	-	43,400	5%	70,308
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,304,200	20%	1,694,050
-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,553,800	included	3,846,747
-	-	22,210	4,800	-	3,000	-	-	14,410	-	-	-	-	-	190,450	5%	308,529
-	-	24,449	2,400	-	1,500	-	-	7,205	-	13,344	-	-	-	100,089	5%	162,144
-	-	11,105	2,400	-	1,500	-	-	7,205	-	-	-	-	-	182,700	included	201,716
-	-	25,044	7,200	-	4,500	-	-	-	-	13,344	-	-	-	584,284	10%	981,597
-	-	7,800	4,800	-	3,000	-	-	-	-	-	-	-	-	63,170	5%	102,335

