

## ODOT US 97 PARKWAY PLAN – PHASE 2

### Draft Pedestrian & Bicycle Crossing Priorities

Table 1 identifies the priorities by corridor segment for investing in **existing** crossings along the Parkway to create low-stress pedestrian and bicycle crossings.

Segment	Crossing Priority Locations
North	NE Cooley Rd
	Robal Rd
	NE Empire Ave
Middle	NE Butler Market Rd
	NE Revere Ave
	NE Olney Ave
	NW Greenwood Ave
	NW Franklin Ave
	NW Colorado Ave (minimal improvements)
	SE Aune Rd (minimal improvements)
	SW Wilson Ave
SE Reed Market Rd	
South	Canal / SW Garfield Ave
	Powers Rd
	Murphy Rd
	Baker / Knott Rd

Table 1: Draft pedestrian & bicycle priorities for investing in existing Parkway crossings, by corridor segment

Table 2 details the priorities by segment for investing in **new** grade-separated crossings of the Parkway to create low-stress pedestrian and bicycle crossings.

Segment	Priority Investment Locations
North	Nels Anderson Road / Fred Meyers Road
Middle	NE Hawthorne Ave
South	Badger / Pinebrook Vicinity
	Ponderosa Street / China Hat Road

Table 2: Draft pedestrian & bicycle priorities for investing in new Parkway crossings, by corridor segment

The proposed investments detailed above are summarized in Table 3 and shown in the attached low-stress crossing map.

Segment	Location	Status	Action
North	Cooley Rd	Existing	Improve (existing and future alignment)
	Robal Rd	Existing	Improve
	Nels Anderson Road	New	Grade-separated
	NE Empire Ave	Existing	Improve
Middle	NE Butler Market Rd	Existing	Improve
	NE Revere Ave	Existing	Improve
	NE Olney Ave	Existing	Improve
	NW Greenwood Ave	Existing	Improve
	NE Hawthorne Ave	New	Grade-separated

	NW Franklin Ave	Existing	Improve
	NW Colorado Ave	Existing	Minimal improvements
	SE Aune Rd	Existing	Minimal improvements
	SW Wilson Ave	Existing	Improve
	SE Reed Market Rd	Existing	Improve
South	Canal / SW Garfield Ave	Existing	Improve
	Reed Ln	Existing	Remove
	Powers Rd	Existing	Improve
	Badger Rd	Existing	Remove
	Badger / Pinebrook Vicinity	New	Grade-separated
	Pinebrook Rd	Existing	Remove
	Murphy Rd	Existing	Minimal improvements
	3 <sup>rd</sup> St Overpass	Existing	None
	Ponderosa Street / China Hat Rd	New	Grade-separated
	Baker / Knott Rd	Existing	Improve

**Table 3: Summary of pedestrian and bicycle priorities for investing in new and existing Parkway crossings, by corridor segment**

The resulting low-stress ped-bike crossing spacing is summarized in Table 4 and shown in the attached low-stress crossings map.

Segment	Cross Street 1	Cross Street 2	Distance (Mi)
North	Cooley Rd	Robal Rd	0.50
	Robal Rd	Nels Anderson Road	0.45
	Nels Anderson Road	NE Empire Ave	0.50
Middle	NE Empire Ave	NE Butler Market Rd	0.85
	NE Butler Market Rd	NE Revere Ave	0.82
	NE Revere Ave	NE Olney Ave	0.20
	NE Olney Ave	NW Greenwood Ave	0.34
	NW Greenwood Ave	NE Hawthorne Ave	0.14
	NE Hawthorne Ave	NW Franklin Ave	0.14
	NW Franklin Ave	NW Colorado Ave	0.30
	NW Colorado Ave	SE Aune Rd	0.11
	SE Aune Rd	SE Wilson Ave	0.38
SW Wilson Ave	SE Reed Market Rd	0.45	
South	SE Reed Market Rd	Canal / SW Garfield Ave	0.31
	Canal / SW Garfield Ave	Powers Rd	0.53
	Powers Rd	Badger / Pinebrook	0.43
	Badger / Pinebrook	Murphy Rd	0.28
	Murphy Rd	China Hat Rd	0.83
	China Hat Rd	Baker / Knott Rd	1.21

**Table 4: Pedestrian & Bicycle low-stress crossing spacing resulting from investments in existing and new crossing improvements/investments**

PROJECT ID	CORRIDOR	FROM STREET	TO STREET	FACILITY TYPE	DISTANCE (mi)	COST ESTIMATE*
101	Canal Trail	Knott Rd / US97	China Hat Rd	Multi-Use Path	1.52	\$ 1,523,767
102	China Hat Rd	Parrell Rd	Arnold Canal Trail	Multi-Use Path	0.65	\$ 654,341
103	Parrell Rd	China Hat Rd	Murphy Rd	Buffered or Protected Bike Lane	0.96	\$ 964,658
104	SE 3rd St	Pinebrook	SE Cleveland Ave	Buffered or Protected Bike Lane	1.50	\$ 1,500,719
105	SE Cleveland Ave / SE 2nd St / SE Aune St	SE 3rd St	SW Division St	Neighborhood Greenway (SE 3rd St - SE Wilson Ave) Buffered or Protected Bike Lane (SE Wilson Ave to SW Division St)	0.88	\$ 692,099
106	SE 5th St / SE Centennial St	SE Reed Market Rd	SE Miller Ave	Neighborhood Greenway	0.89	\$ 266,449
107	SE Wilson Ave	US97	SE 5th St	Buffered or Protected Bike Lane	0.36	\$ 362,150
108	SE Miller Ave	SE 2nd St	SE Centennial St	Neighborhood Greenway	0.27	\$ 79,569
109	SE Alden Ave / NE 6th St / Juniper Park Connection / NE 5th St / NE Irving St / NE 6th St / NE Majesty Ln / NE Keats Dr / Longfellow Ct	NE 5th St	NE Butler Market Rd	Neighborhood Greenway (NE 5th St - NE Franklin Ave; NE 5th - NE Butler Market Rd) Multi-Use Path (NE Franklin Ave - NE 5th St)	2.08	\$ 742,499
110	Canal Trail	Blakely Rd	SE Reed Market Rd	Multi-Use Path	1.18	\$ 1,182,434
111	SW Blakely Rd / SW Silver Lake Blvd / SW Chamberlain St / SW Roosevelt Ave / SW Taft Ave / SW Truman Ave	Badger Rd	US97	Neighborhood Greenway	1.88	\$ 564,567
112	Powers Rd	Blakely Rd	SE 3rd St	Basic Bike Lane	0.34	\$ 34,045
113	US97	Ponderosa St	Badger Rd	Multi-Use Path	1.23	\$ 1,227,416
114	US97	SW Truman Ave	NW Colorado Ave	Multi-Use Path (SW Truman Ave - SE Aune St; SW Industrial Way - NW Colorado Ave) Enhanced Shared Roadway (SE Aune St - SW Industrial Way)	0.59	\$ 527,196
115	NW Colorado Ave / NW Harriman St / NW Lafayette Ave / NW Wall St	NW Colorado Ave	NW Revere Ave	- Neighborhood Greenway (NW Colorado Ave - NW Lafayette Ave) - Enhanced Shared Roadway (NW Harriman St - NW Wall St) - Buffered or Protected Bike Lane (NW Lafayette Ave - NW Revere Ave)	1.17	\$ 640,062
116	US97	NW Colorado Ave	NW Revere Ave	Multi-Use Path	1.17	\$ 1,168,036
117	NW Harriman St / NW Lakeside Pl	NW Revere Ave	Division St	Neighborhood Greenway	0.58	\$ 172,678
118	NW Revere Ave / NE Revere Ave	NW Harriman St	NW NE 6th St	Buffered or Protected Bike Lane	0.64	\$ 642,641
119	NW Portland Ave / NE Olney Ave	NW Wall St	NE 6th St	Buffered or Protected Bike Lane	0.60	\$ 597,982
120	Division St	NE Revere Ave	Riverview Park	Buffered or Protected Bike Lane	0.61	\$ 607,975
121	Division St / NE 3rd St	Riverview Park	OB Riley Rd	Multi-Use Path	0.37	\$ 369,957
122	OB Riley Rd	NE 3rd St	NE Empire Ave	Buffered or Protected Bike Lane	0.72	\$ 717,442
123	Boyd Acres Rd	NE Butler Market Rd	NE Fred Meyers Rd	Buffered or Protected Bike Lane	1.39	\$ 1,385,394
124	NE Fred Meyers Rd / NE Hunters Cir / NE Vogt Rd	NE Morningstar Dr	NE Cooley Rd	Neighborhood Greenway	1.11	\$ 332,313
125	NE Empire Blvd	OB Riley Rd	Boyd Acres Rd	Buffered or Protected Bike Lane	0.73	\$ 730,218
126	NW Mervin Sampels Rd / Sherman Rd	OB Riley Rd	NE Empire Ave	Basic Bike Lane	0.47	\$ 47,472
127	NE Butler Market Rd	NE 3rd St	Boyd Acres Rd	Buffered or Protected Bike Lane	0.55	\$ 549,663
128	Canal Trail Connection	Division St	NE Butler Market Rd	Multi-Use Path	0.14	\$ 140,978
129	US97	NE River Mall Ave	NE Empire Ave	Multi-Use Path	0.85	\$ 850,378
130	NW Hawthorne Ave / NE Hawthorne Ave	NW Harriman St	NE 5th St	Neighborhood Greenway	0.57	\$ 169,937

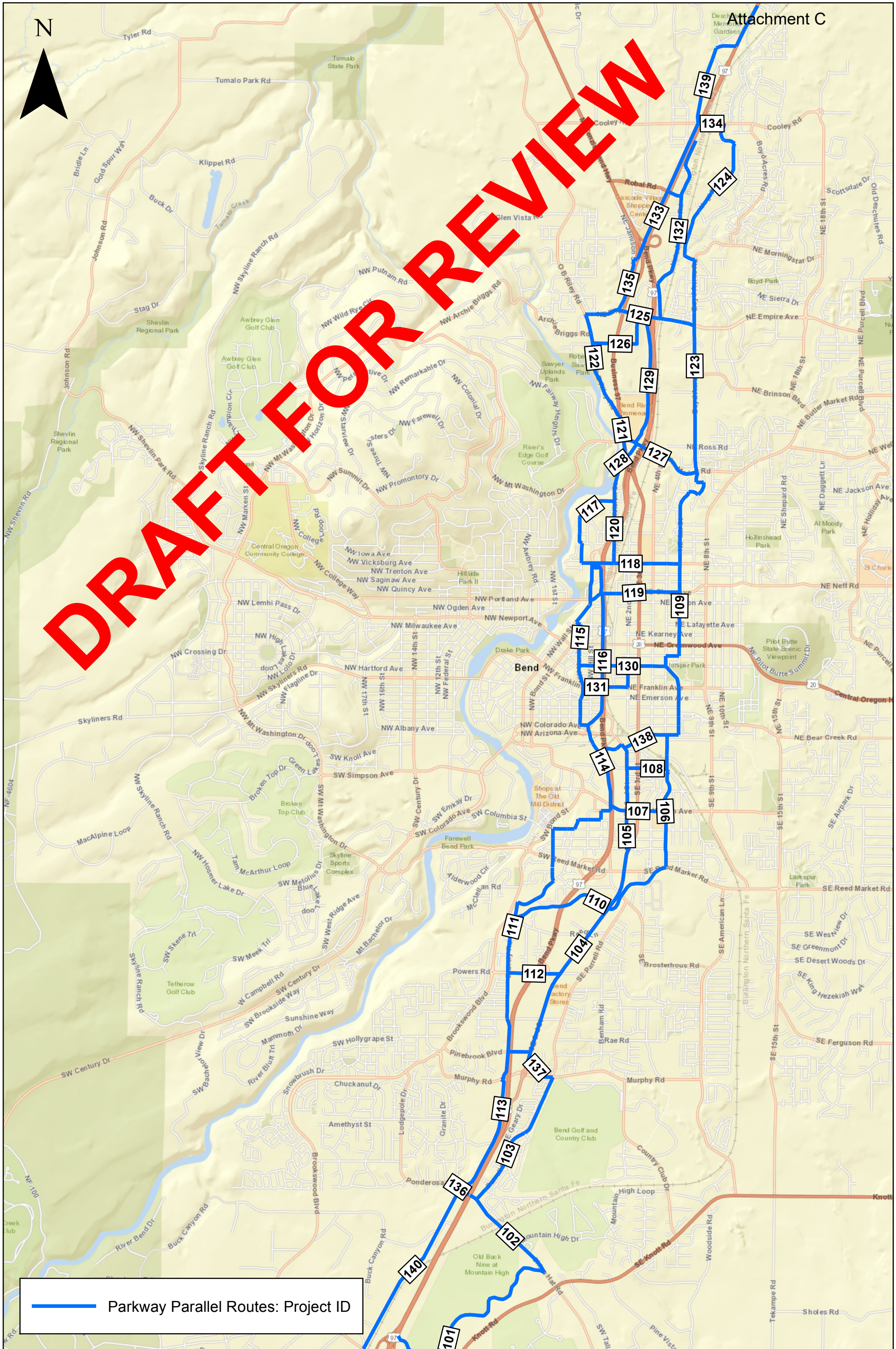
PROJECT ID	CORRIDOR	FROM STREET	TO STREET	FACILITY TYPE	DISTANCE (mi)	COST ESTIMATE*
131	NW Franklin Ave / NE Franklin Ave / NE 2nd St	NW Harriman St	NE Hawthorne Ave	Buffered or Protected Bike Lane (NW Harriman St - NE 2nd St) Neighborhood Greenway (NE Franklin Ave - NE Hawthorne Ave)	0.43	\$ 330,879
132	US97	NE Empire Blvd	Over Under Ct	Multi-Use Path (NE Empire Blvd - Halfway Rd; Over Under Ct - 3rd St) Basic Bike Lane (Halfway Rd - Robal Rd; 3rd St - Nels Anderson Rd) Neighborhood Greenway (Robal Rd - Over Under Ct)	1.33	\$ 418,236
133	US97	NE Jamison St	NE Cooley Rd	Buffered or Protected Bike Lane	0.97	\$ 971,254
134	Cooley Rd	NE 3rd St	Hunters Cir	Buffered or Protected Bike Lane	0.16	\$ 155,407
135	NE Jamison St	NE Empire Blvd	Brandis Ct	Multi-Use Path	0.37	\$ 372,969
136	China Hat Rd	Project 113 MUP	Parrell Rd	Buffered or Protected Bike Lane	0.12	\$ 122,950
137	Murphy Rd / Old Murphy Rd / SE 3rd St	SE 3rd St	Parrell Rd	Basic Bike Lane (SW Blakely Rd - Murphy Rd) Buffered or Protected Bike Lane (Pinebrook - Old Murphy Rd) Multi-Use Path (Old Murphy Rd - Parrell Rd)	0.43	\$ 172,746
138	SE Alden Ave / SE Aune St	SE 2nd St	NE 5th St	Neighborhood Greenway	0.30	\$ 90,178
139	3rd St Extension / US97	Cooley Rd	Mobile Home Park	Buffered or Protected Bike Lane (Cooley Rd - US97) Multi-Use Path (3rd St Extension - Mobile Home Park)	0.94	\$ 944,399
140	US97 / RR	Ponderosa St	Baker Rd	Multi-Use Path	1.23	\$ 1,231,656

*Planning-level estimates are based on the following assumed per-mile costs:	
Facility	Per-Mile Cost
Multi-Use Path	\$ 1,000,000
Neighborhood Greenway	\$ 300,000
Buffered / Protected Bike Lane	\$ 1,000,000
Basic Bike Lane	\$ 100,000
Enhanced Shared Roadway	\$ 200,000





**DRAFT FOR REVIEW**



— Parkway Parallel Routes: Project ID





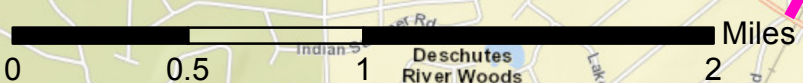


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### Parkway Parallel Routes

#### Facility Types

-  Multi-Use Path
-  Neighborhood Greenway
-  Buffered or Protected Bike Lane
-  Basic Bike Lane
-  Enhanced Shared Roadway






Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community










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**Low-Stress Crossings**

-  North Reach
-  Middle Reach
-  South Reach

**Facility Types**

-  Multi-Use Path
-  Neighborhood Greenway
-  Buffered or Protected Bike Lane
-  Basic Bike Lane
-  Enhanced Shared Roadway

0 0.5 1 2 Miles

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community



Pre-Prospectus Sheet  
Parkway Plan Parallel Low-Stress Bicycle Routes

**Project ID:** 101

**Corridor:** Canal Trail

**Project Start:** Knott Rd / US 97

**Project End:** China Hat Rd

**Distance (mi):** 1.52

**Cost:** \$1,523,767

**Facility Types:** Multi-Use Path

**Description:** Multi-Use Path connecting Baker/Knott Rd area to China Hat Rd.

**Project Area:**



**Example:**



**General Improvements:**

Multi-use path roughly following the existing canal alignment.

**Specific Improvements:**

Crossing improvements will be needed at Knott Rd (not shown) to connect the canal path to a future US 97 multi-use path (Baker/Knott Rd – Lava Butte). Improvements will be needed at China Hat Rd (not shown) to connect canal path to future multi-use path along China Hat Rd.

**Project ID:** 102

**Corridor:** China Hat Rd

**Project Start:** Parrell Rd

**Project End:** Canal Trail

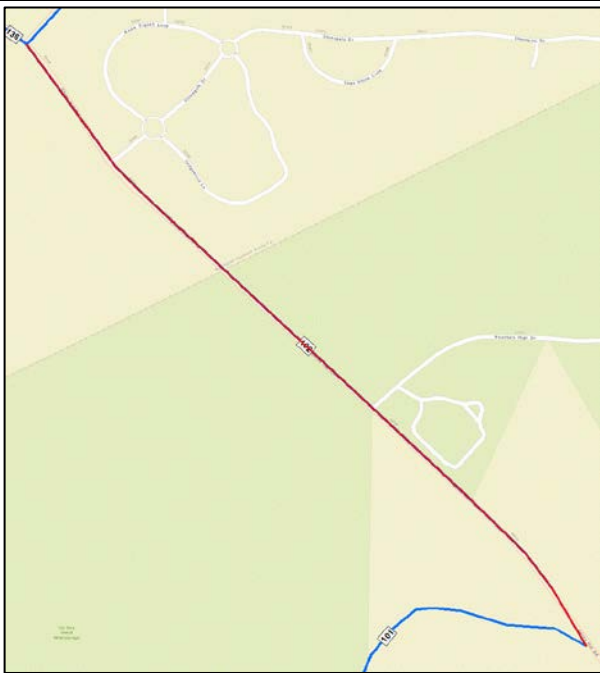
**Distance (mi):** .65

**Cost:** \$654,341

**Facility Types:** Multi-Use Path

**Description:** Multi-Use Path along China Hat Rd connecting Parrell Rd to the canal trail (project 101).

**Project Area:**



**Example:**



**General Improvements:**

Multi-use path along China Hat Rd.

**Specific Improvements:**

Crossing improvements will be needed at the canal trail (not shown) to connect the multi-use path on China Hat Rd to the future canal trail multi-use path.

**Pre-Prospectus Sheet**  
**Parkway Plan Parallel Low-Stress Bicycle Routes**

**Project ID:** 103

**Corridor:** Parrell Rd

**Project Start:** China Hat Rd

**Project End:** Murphy Rd

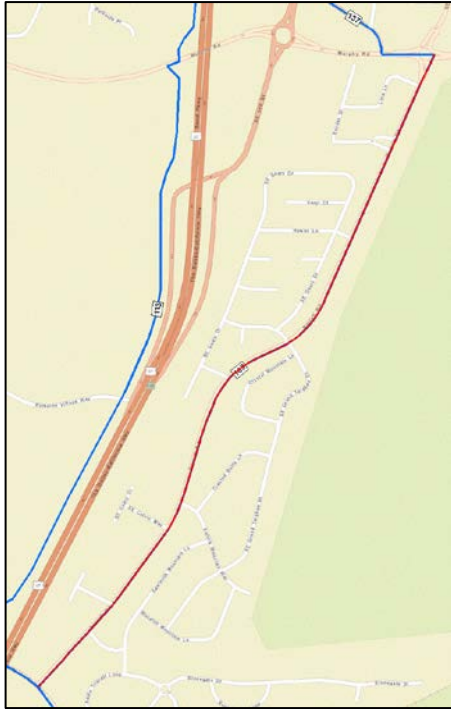
**Distance (mi):** .96

**Cost:** \$964,658

**Facility Types:** Buffered or Protected Bike Lane

**Description:** Buffered or protected bike lane along Parrell Rd, connecting the multi-use path on China Hat Rd (project 102) to Murphy Rd. Cost estimate assumes higher cost protected bike lane as opposed to buffered bike lane.

**Project Area:**



**Example:**



**General Improvements:**

Buffered or protected bike lane along Parrell Rd.

**Specific Improvements:**

Crossing improvements will be needed at the China Hat Trail (not shown) to connect the buffered/protected bike lanes on Parrell Rd to the multi-use path on China Hat Rd (project 102).

**Project ID:** 104

**Corridor:** SE 3<sup>rd</sup> St

**Project Start:** Pinebrook

**Project End:** SE Cleveland Ave

**Distance (mi):** 1.50

**Cost:** \$1,600,719

**Facility Types:** Buffered or Protected Bike Lane

**Description:** Buffered or protected bike lane along SE 3<sup>rd</sup> St, connecting the basic bike lanes on Pinebrook to the neighborhood greenway on SE Cleveland Ave and SE 2<sup>nd</sup> St (project 105). Cost estimate assumes higher cost protected bike lane as opposed to buffered bike lane and enhanced pedestrian crossing at SE 3<sup>rd</sup> St & SE Cleveland Ave, but does not include the costs of widening SE 3<sup>rd</sup> St over the canal to accommodate bicycle facilities.

**Project Area:**



**Example:**



**General Improvements:**

Buffered or protected bike lane along SE 3<sup>rd</sup> St.

**Specific Improvements:**

Crossing improvements will be needed at SE Cleveland Ave to facilitate connections to and from the neighborhood greenway on SE Cleveland Ave and SE 2<sup>nd</sup> St (project 105).



**Project ID:** 105

**Corridor:** SE Cleveland Ave / SE 2<sup>nd</sup> St / SE Aune St

**Project Start:** SE 3<sup>rd</sup> St

**Project End:** SW Division St

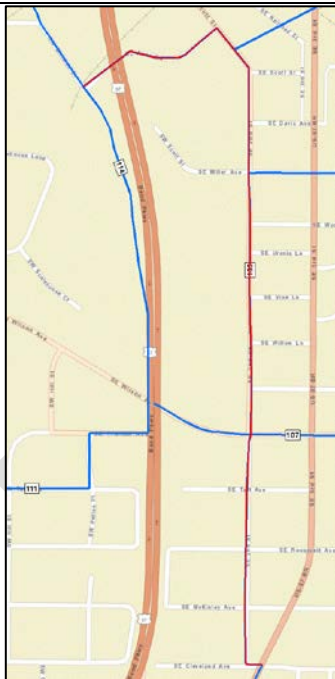
**Distance (mi):** .88

**Cost:** \$692,099

**Facility Types:** Neighborhood Greenway (SE 3rd St - SE Wilson Ave); Buffered or Protected Bike Lane (SE Wilson Ave - SW Division St)

**Description:** Neighborhood greenway along SE Cleveland Ave and SE 2<sup>nd</sup> St (SE 3<sup>rd</sup> St – SE Wilson Ave) and buffered/protected bike lane on SE 2<sup>nd</sup> St and SE Aune St (SE Wilson Ave – SW Division St). Cost estimate assumes higher cost protected bike lane as opposed to buffered bike lane. The project connects the buffered/protected bike lanes on SE 3<sup>rd</sup> St (project 104) to the enhanced shared roadway and multi-use path on Industrial Way (adjacent to Crux).

**Project Area:**



**Examples:**



**General Improvements:**

Neighborhood greenway and protected bike lane treatments throughout the project corridor.

**Specific Improvements:**

Crossing improvements will be needed at SE Wilson Ave to facilitate connections connection between the neighborhood greenway portion (south of Wilson) and the protected bike lane portion (north of Wilson).