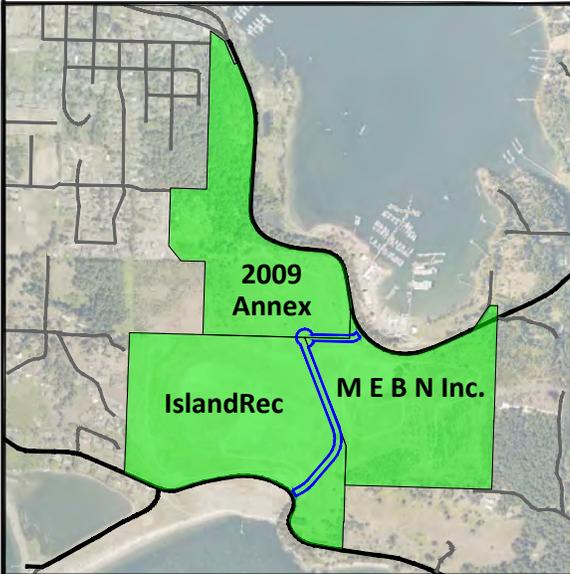
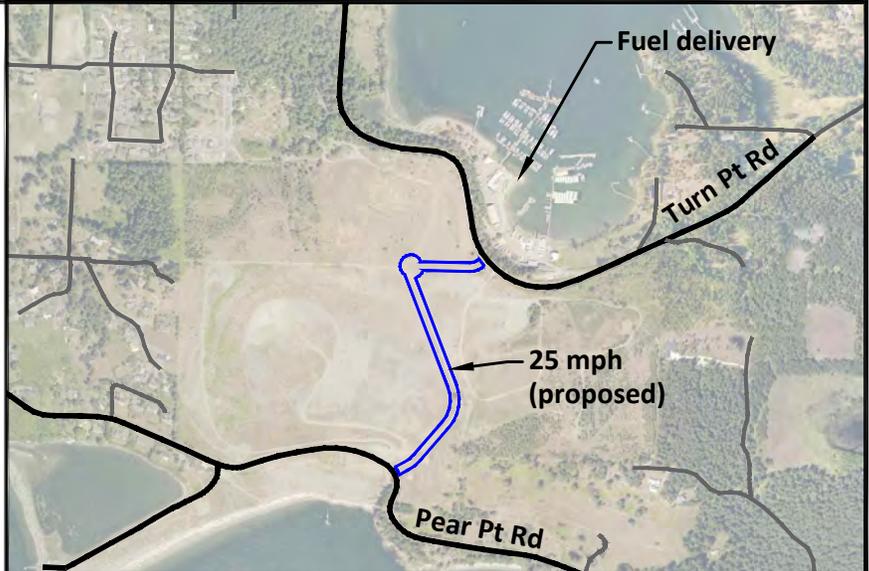
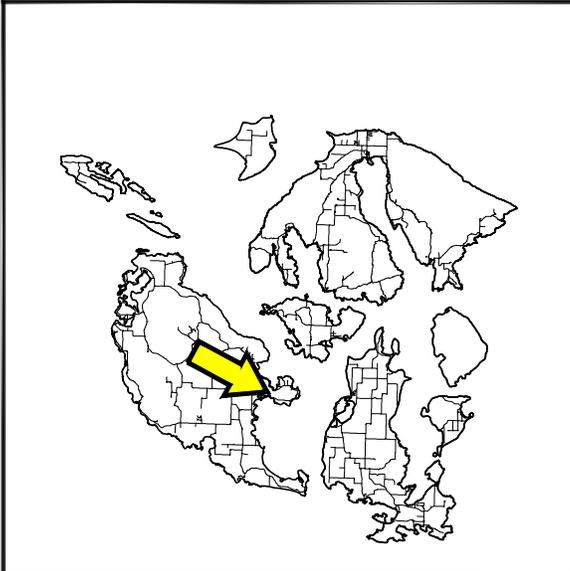




Rev. 2019-07-31

# No. 01 Pear Pt Rd to Turn Pt Rd Connector



**Project Objective:**

- Construct a new 30 foot road (11 foot lanes and 4 foot shoulders) connecting Pear Pt Rd to Turn Point Rd.

**Project Need:**

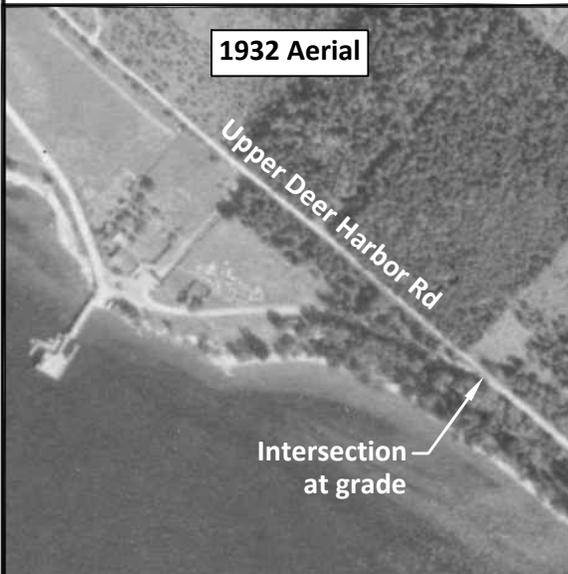
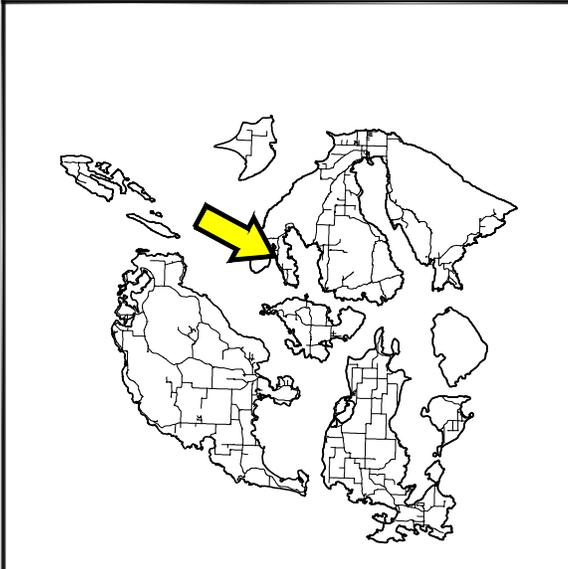
- Fulfill a commitment made by the County to the Town of Friday Harbor.
- Provide access to proposed affordable housing on the property annexed by the town in 2009.
- Provide for an alternate route for fuel trucks arriving by barge at Shipyard Cove Marina.



Rev. 2019-07-31

## No. 02

# Upper Deer Harbor Rd Improvements



### Project Objective:

- Construct improvements to Upper Deer Harbor Road.
- Increase public parking spaces from approximately 15 spaces to approximately 30 spaces.
- Extend Upper Deer Harbor Rd southerly to connect to Deer Harbor Rd.

### Project Need:

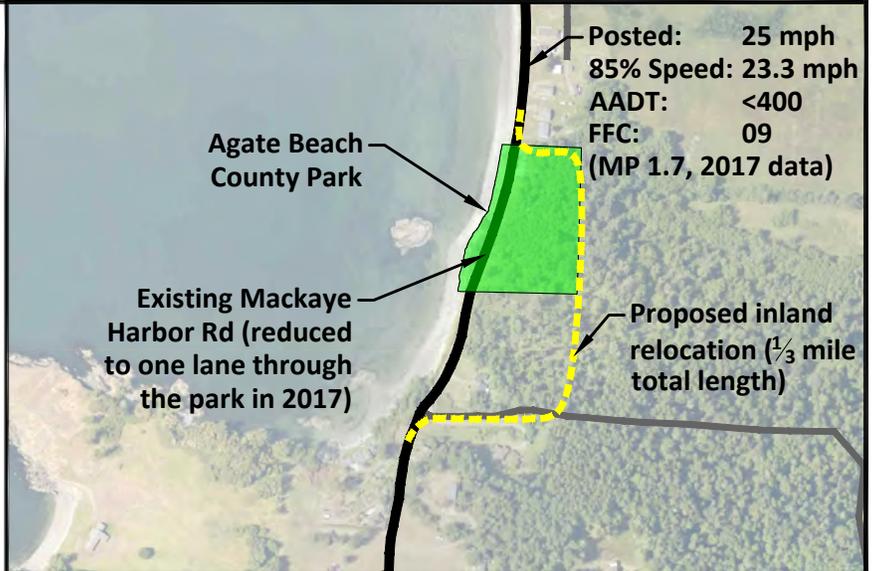
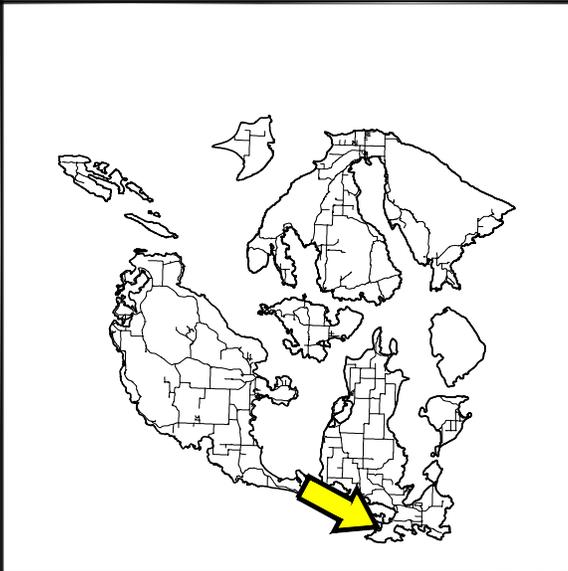
- Lack of parking in Deer Harbor for short term day-to-day economic activities.
- Lack of traffic circulation and congestion at the westerly end of Jack and Jill Place.
- Existing parking requires cars to back out approximately 500 feet.



Rev. 2019-07-31

# No. 03

## Agate Beach County Park Road Relocation



### Project Objective:

- Relocate the County road to upland side of Agate Beach County Park.
- Restore two-way traffic.
- Create roadside parking for access to public lands.
- Create shared-use trail for bicycles and pedestrians.

### Project Need:

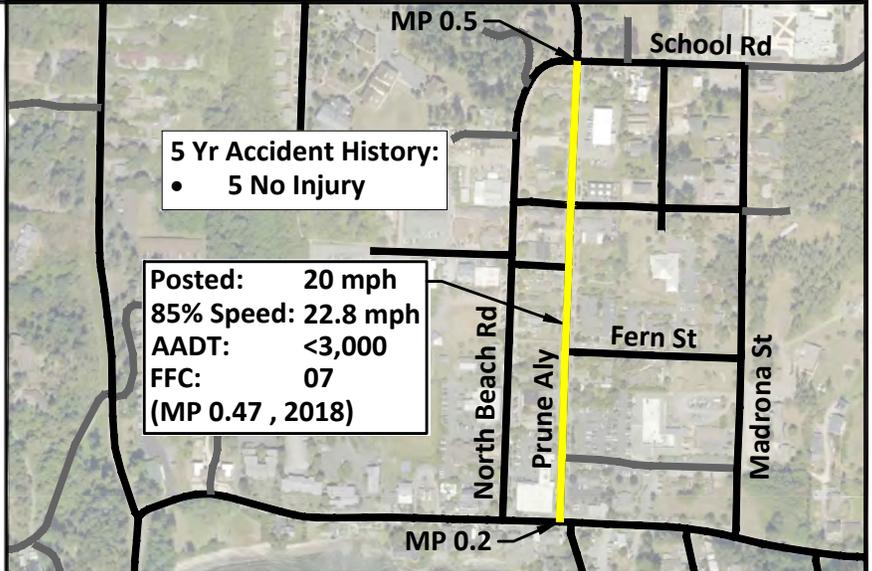
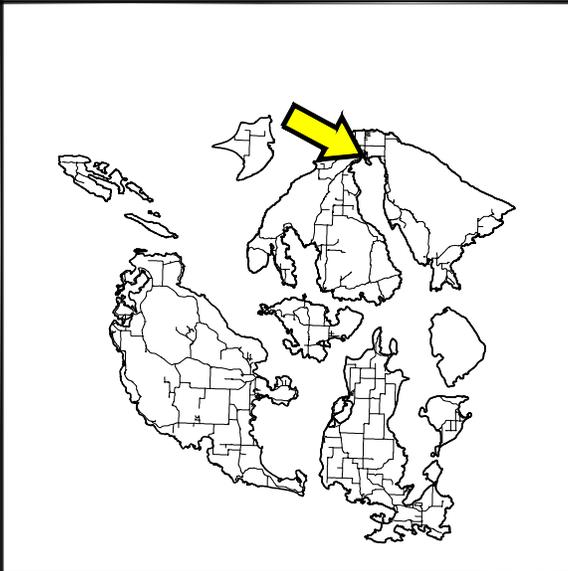
- Bluff erosion has advanced to within a foot of the county road and road failure is imminent.
- Current road is reduced to one lane, and area is congested with vehicles, bicycles and pedestrians.
- Lack of parking for visitors to adjacent public lands.



Rev. 2019-07-31

# No. 04

## Prune Alley Road Improvements



### Project Objective:

- Construct complete street improvements in accordance with current Eastsound Street Standards.
- Design considerations for parking, lighting, landscaping, pedestrian and accessibility accommodations.
- Utility relocations and storm drain improvements.

### Project Need:

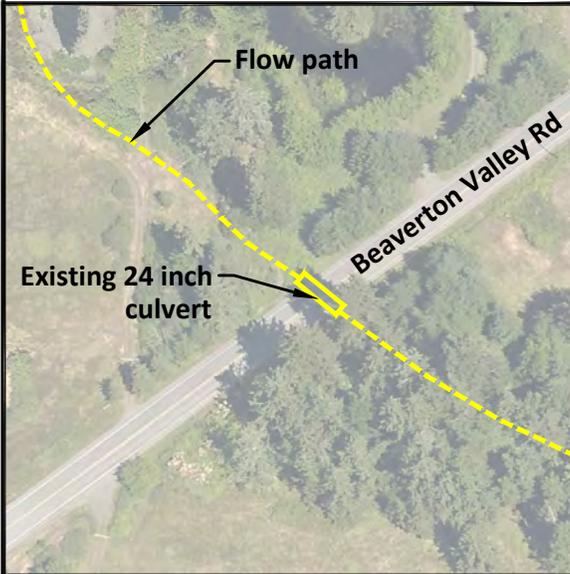
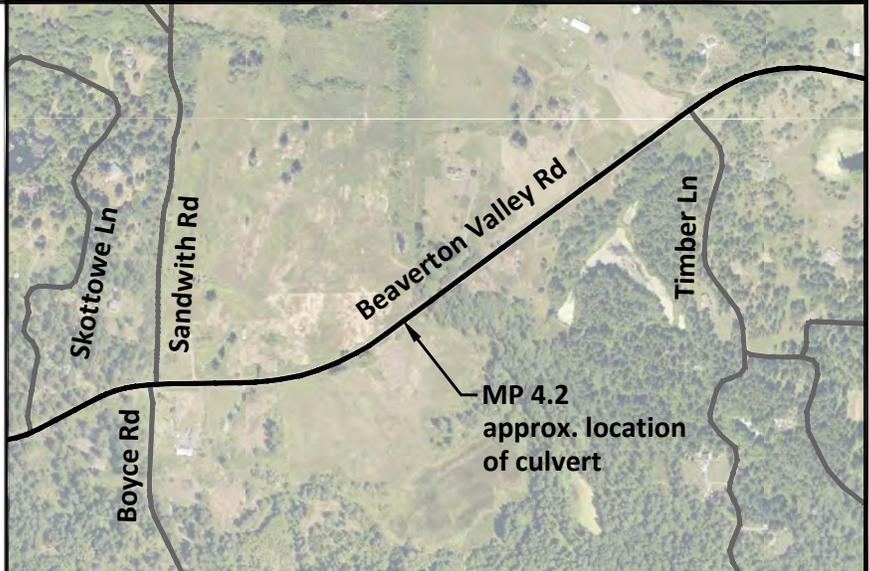
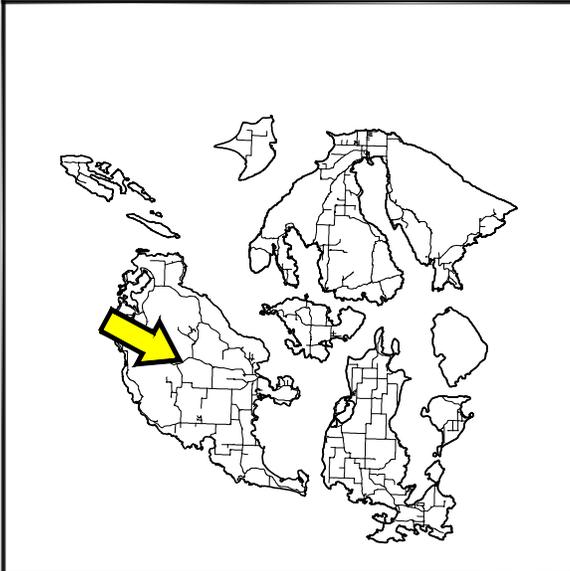
- Prune Alley is one of the major streets in Eastsound, serving numerous businesses, residences, parks and community common space.
- The project is primarily complicated by existing developments which have occurred without the construction of, or planning for, accompanying frontage improvements.
- The County is seeking to develop a context sensitive design working collaboratively with the Eastsound Planning Review Committee (EPRC) and property owners.



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# No. 05

## Beaverton Valley Rd Culvert Replacement



### Project Objective:

- Replace the existing deteriorating culvert.

### Project Need:

- The current 46 foot long by 24 inch unreinforced concrete culvert is failing.
- Pipe joint separation has occurred underneath the eastbound lane causing some slumping in the road surface and jeopardizing the integrity of the road base.



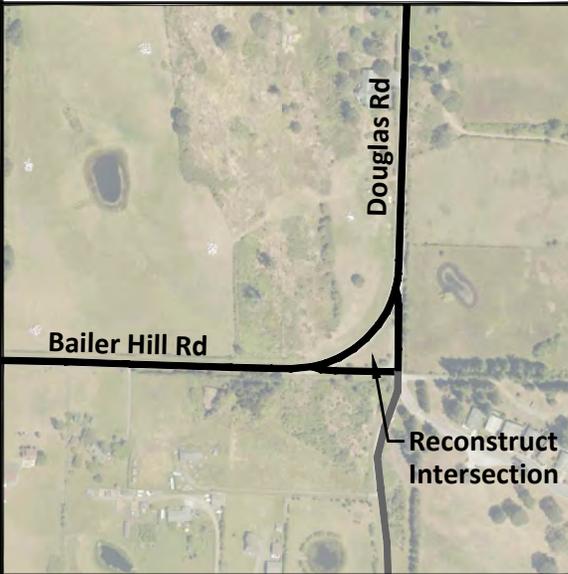
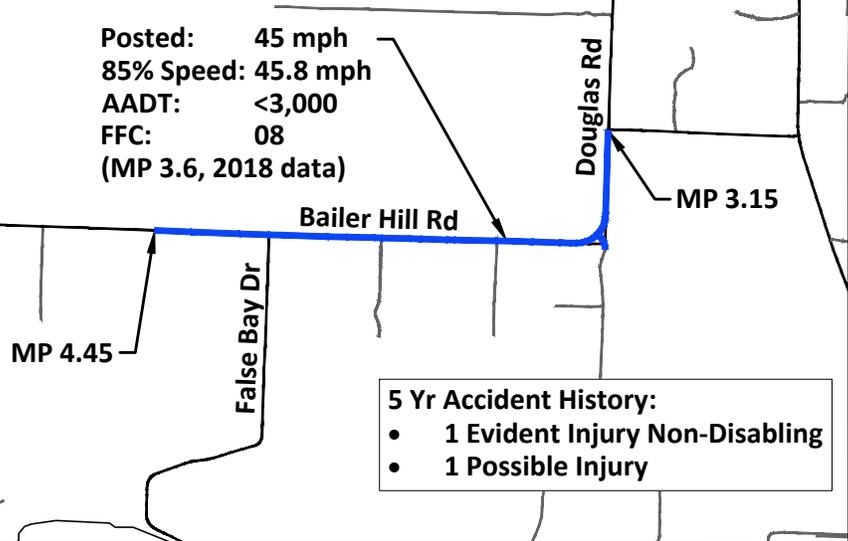
Rev. 2019-07-31

# No. 06

## Douglas Rd/Bailer Hill Rd Improvements



Posted: 45 mph  
85% Speed: 45.8 mph  
AADT: <3,000  
FFC: 08  
(MP 3.6, 2018 data)



### Project Objective:

- Reconstruct the roadway to include 11 foot lanes with 4 foot shoulders.
- Reconstruct the intersection at 'The Oaks' into a radial 'T' intersection.

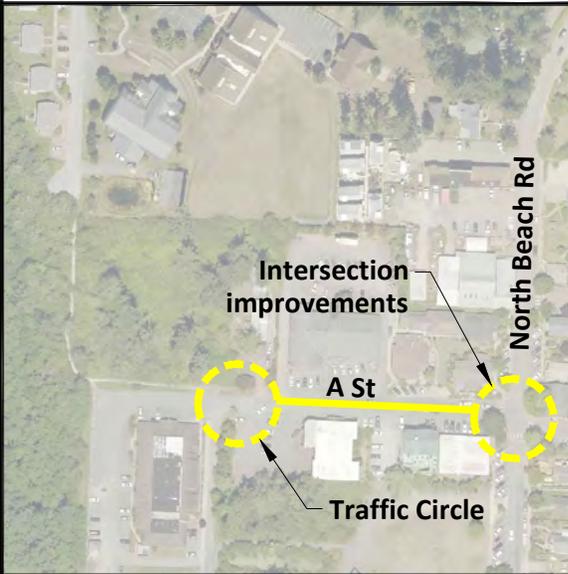
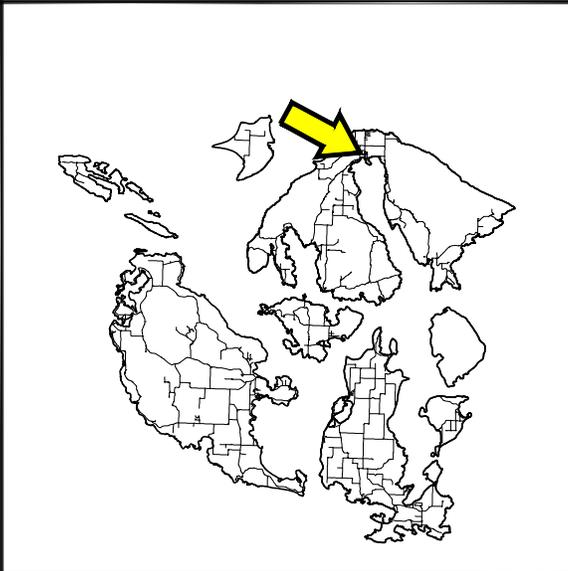
### Project Need:

- The road has limited vertical and horizontal sight distance and little to no shoulder.
- Intersections along this route have high rates of accidents and near miss vehicular collisions.
- A deep ditch on the south side of the road near False Bay Drive destabilizes the road structure. Flooding often occurs in this area where False Bay Creek drains the majority of San Juan Valley under Bailer Hill Road.
- Douglas Road to Bailer Hill Road is a major transportation link on San Juan Island providing a direct route from Friday Harbor to the west side of San Juan Island.



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# No. 07 A Street Improvements



**5 Yr Accident History:**  
• 4 No Injury

Posted: 20 mph  
85% Speed: 14.0 mph  
AADT: >3,000  
FFC: 09  
(MP 0.04 , 2011)

**Project Objective:**

- Construct complete street improvements in accordance with current Eastsound Street Standards, including improvements to the intersection with North Beach Rd and a traffic circle.
- Design considerations for parking, lighting, landscaping, pedestrian and accessibility accommodations,
- Utility relocations and storm drain improvements.

**Project Need:**

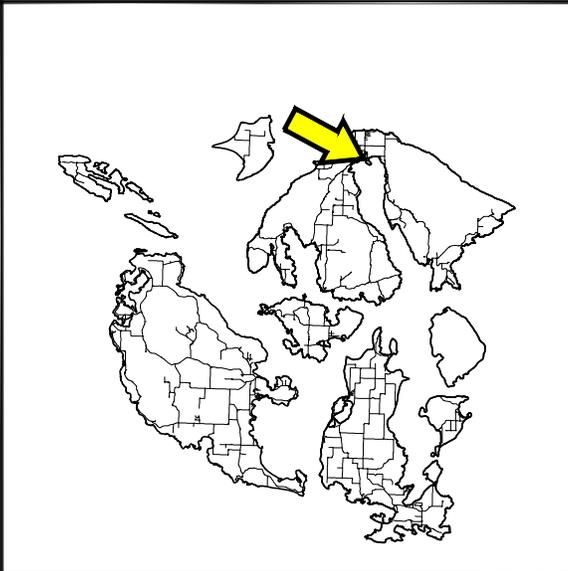
- A Street is at the heart of Eastsound’s commercial core. This is one of the most heavily traveled streets in Eastsound.
- The street is a chipsealed surface over an unimproved road without adequate drainage or pedestrian facilities.
- Conceptual design alternatives have been developed.



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# No. 08

## Haven Road Pedestrian Improvements



Posted: 20 mph  
AADT: <400



Conceptual Improvements

### Project Objective:

- Construct complete street improvements in accordance with current Madrona Point Street Standards
- Utility relocations and storm drain improvements.

### Project Need:

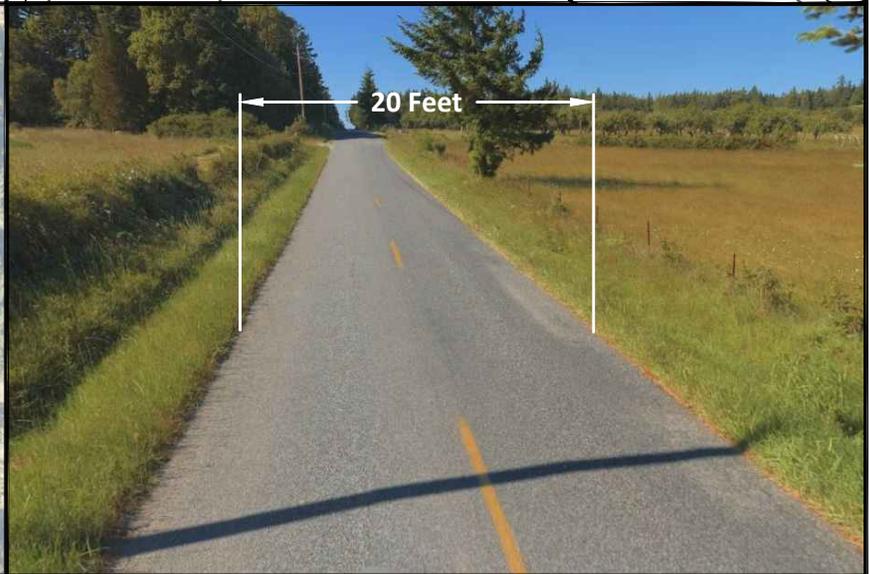
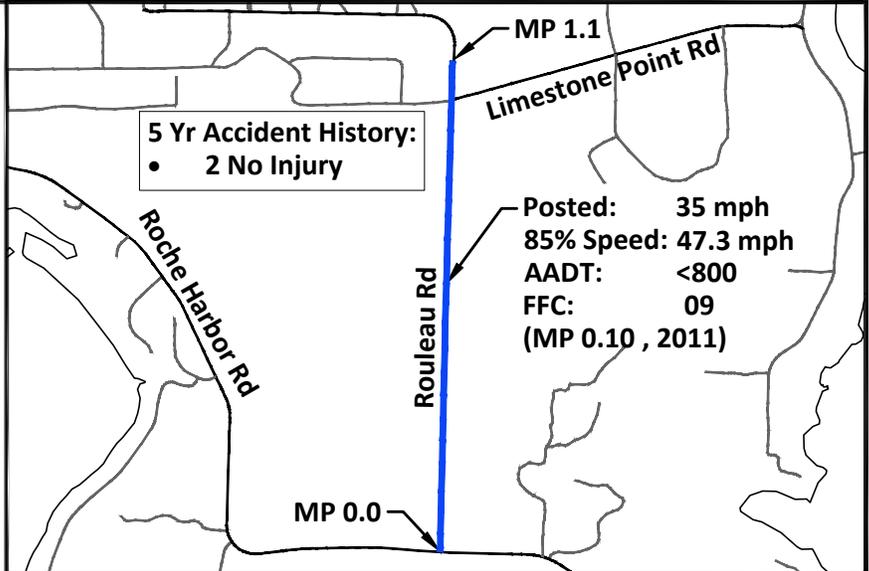
- This road serves the Madrona Point Marine facility, Odd Fellows Hall, commercial and residential communities.
- The street is a chipsealed surface over an unimproved road without adequate drainage or pedestrian facilities.



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# No. 09

## Rouleau Rd Improvements



### Project Objective:

- Reconstruction of a failing road base with considerations for road widening, drainage improvements and sight distance improvements at intersections.

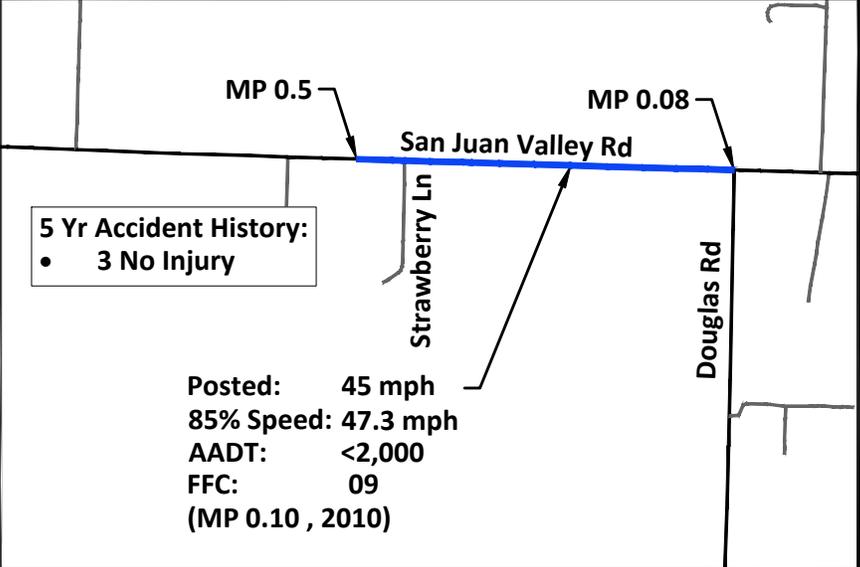
### Project Need:

- Inadequate road base material and inadequate roadside drainage has contributed to failure of road structure. Reclaiming will not solve the problem. The road surface is rough and bumpy from patching of numerous potholes and cracks.
- Project includes topographic survey, possibly Right-of-Way acquisition, design and construction.
- The improvement may include shoulder widening and roadside drainage.
- The intersections have poor site distance and may be considered for improvement as part of this project.



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# No. 10 San Juan Valley Rd Improvements



**Project Objective:**

- Structural reconstruction of a failing road base with considerations for road widening.

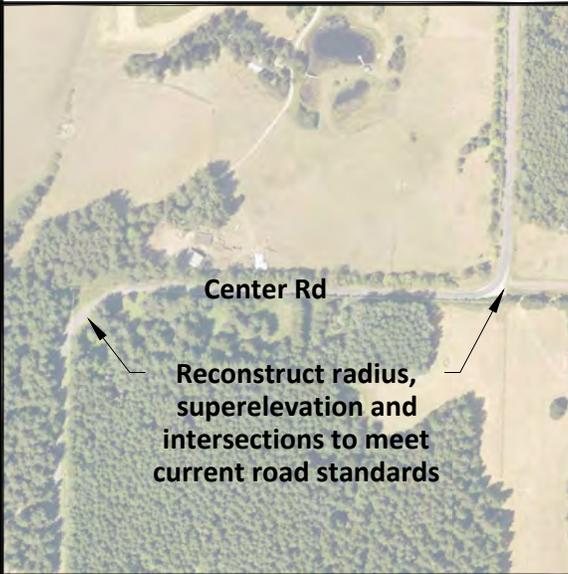
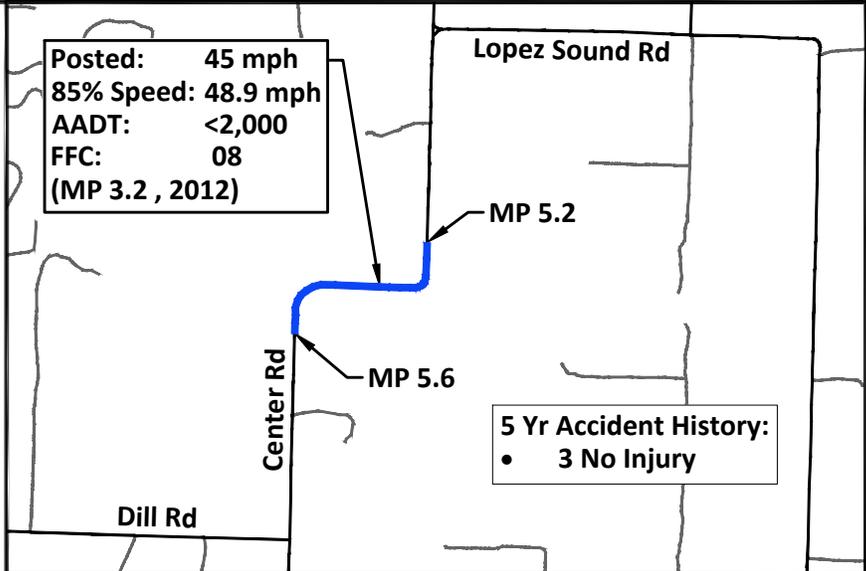
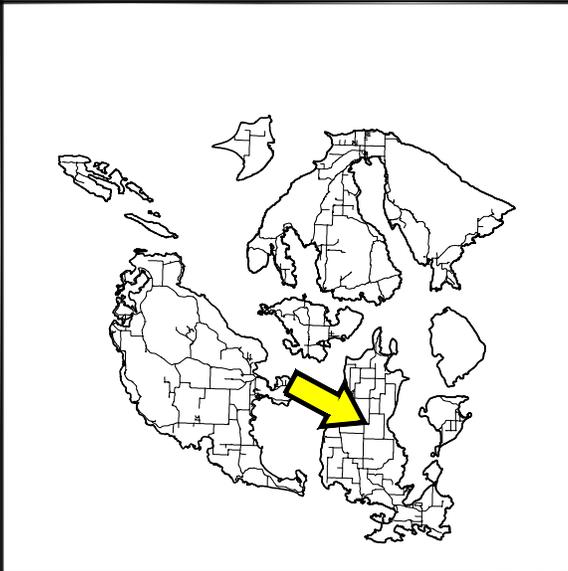
**Project Need:**

- The roadway surface is rough with humps and sags caused by settlement, and slumps at the edge of pavement. The underlying material is peat and portions of the road need major reconstruction.
- Vehicles, especially large trucks, drive down the center of the road when there is no oncoming traffic. 'Rough Road Ahead' signs have been installed.
- Recent utility projects have highlighted the structural instability of the underling road base.



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# No. 11 Center Rd Improvements



**Project Objective:**

- Widen the roadway to include shoulders, reconstruct curves and super-elevations, and improve both intersections, all to meet current county road standards.

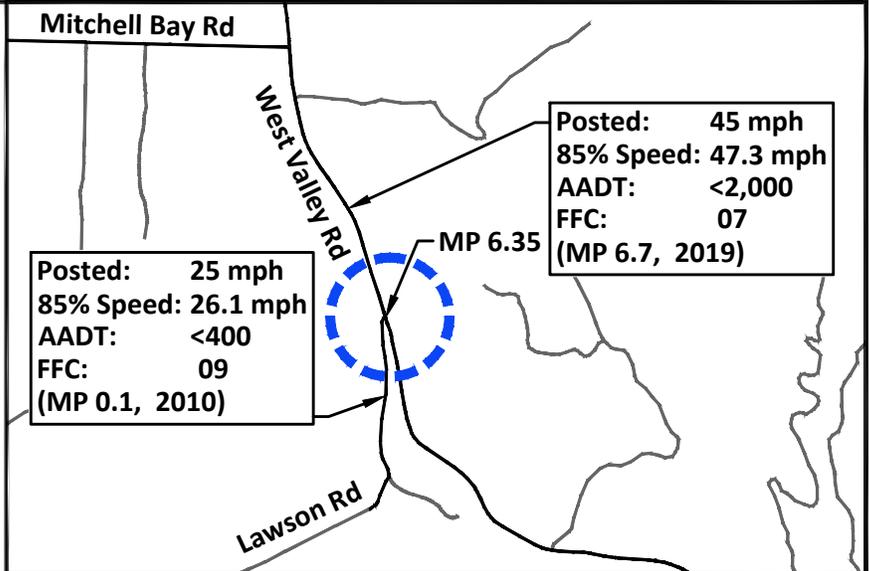
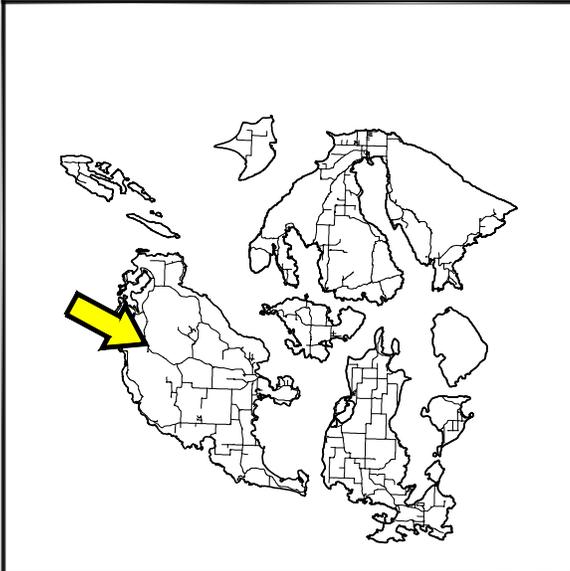
**Project Need:**

- The road has limited sight distance through both intersections and curves.
- The curves are built with high bank super-elevations and tight curve radii.
- Shoulders improvements are needed for safety and non-motorized transportation.



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# No. 12 Lawson Rd Intersection



**Project Objective:**

- Improve the intersection for safety.

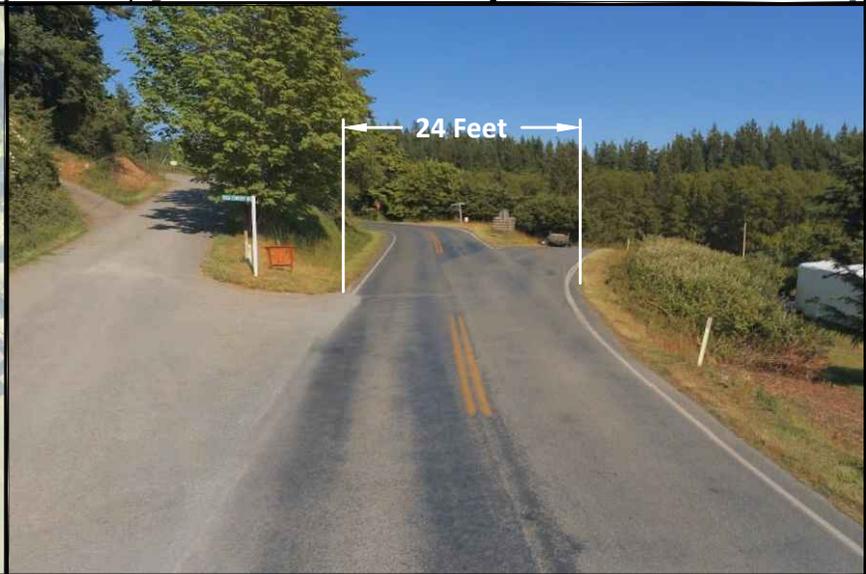
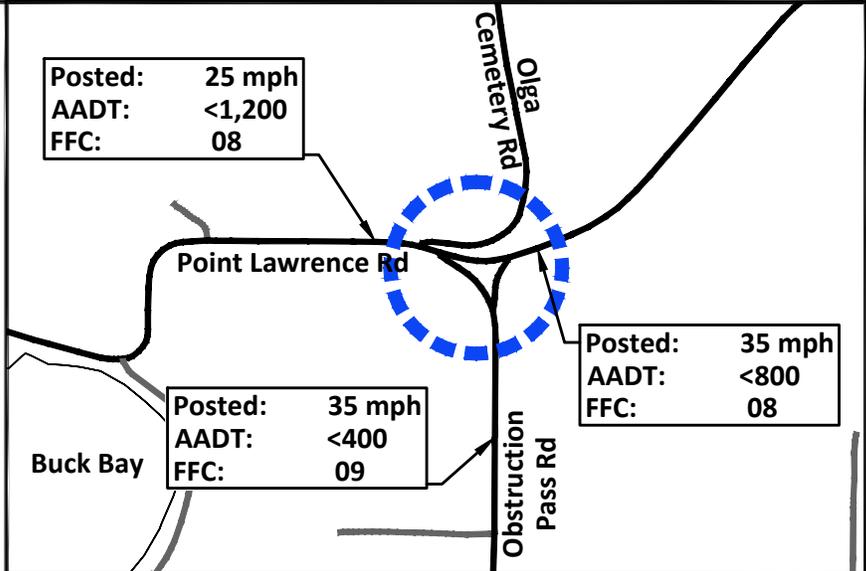
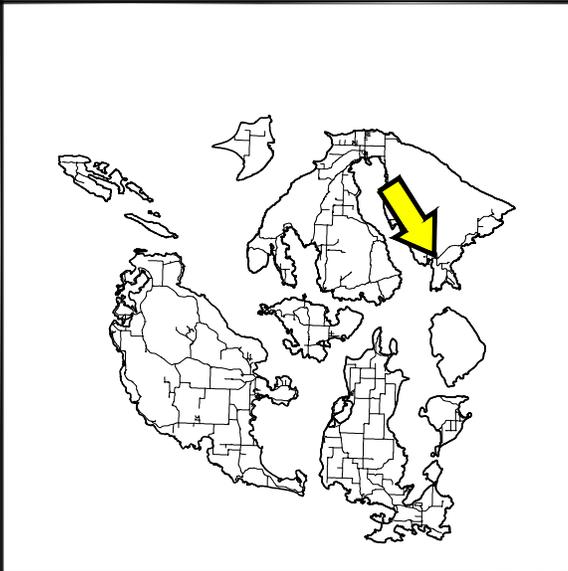
**Project Need:**

- Large vehicles use this intersection.
- Improve sight distance, drainage and safety.



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# No. 13 Obstruction Pass Rd Intersection



**Project Objective:**

- Intersection safety improvements.

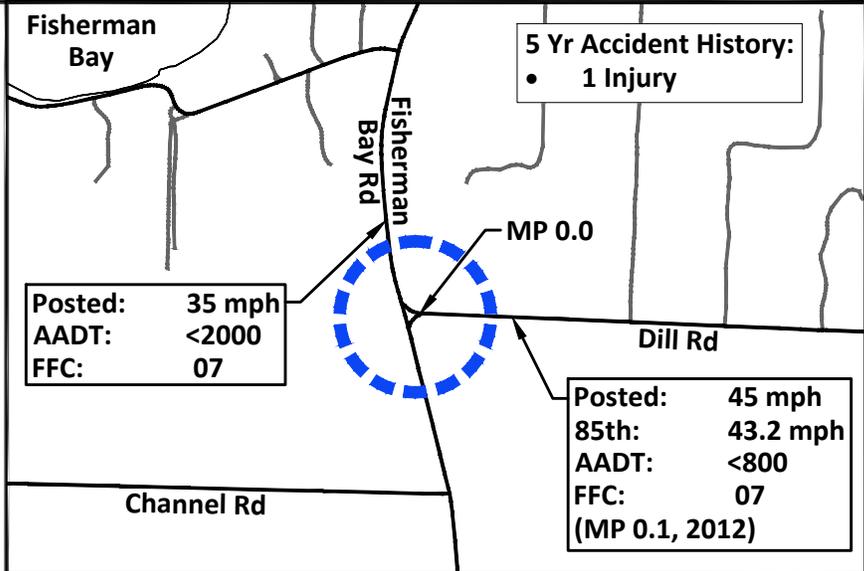
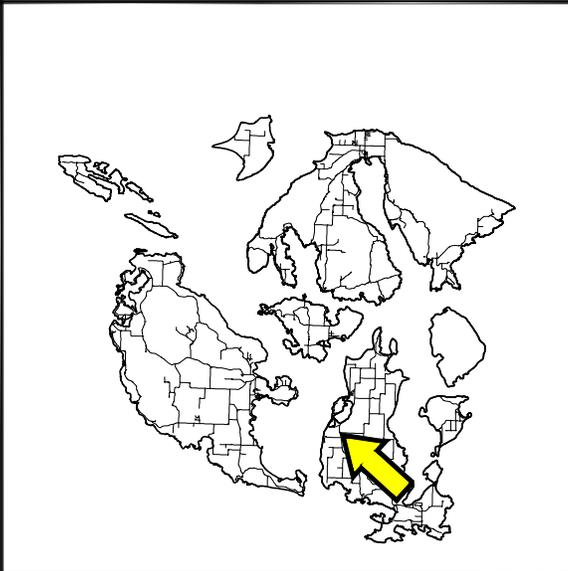
**Project Need:**

- This intersection provides access to the public boat ramp and marine facility at at Obstruction Pass and the east side of Orcas Island.
- Sight distance improvements.



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# No. 14 Dill Rd Intersection



**Project Objective:**

- Intersection safety improvements.

**Project Need:**

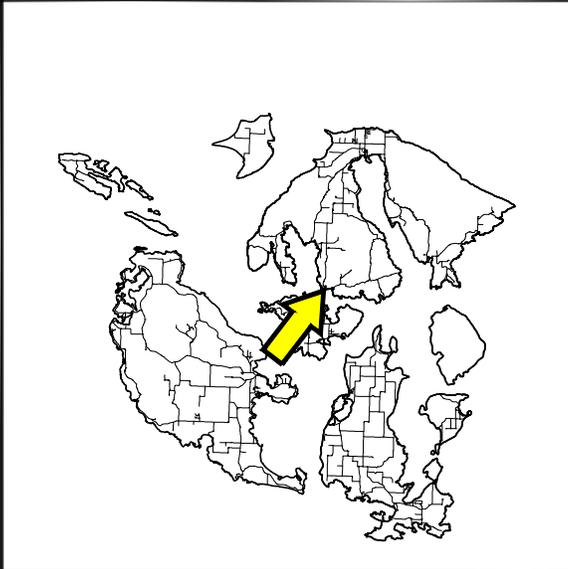
- This 'Y' intersection has inadequate sight distance.



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# No. 15

## Orcas Landing Marine Facility



### Project Objective:

- Build upon recent improvements to enhance pedestrian access with connections along Orcas Road including curb gutter and side walk to WSF and Orcas Landing Marine Facility.
- Expand and enhance parking options at the marine facility in conjunction with planned WSF ADA improvement.

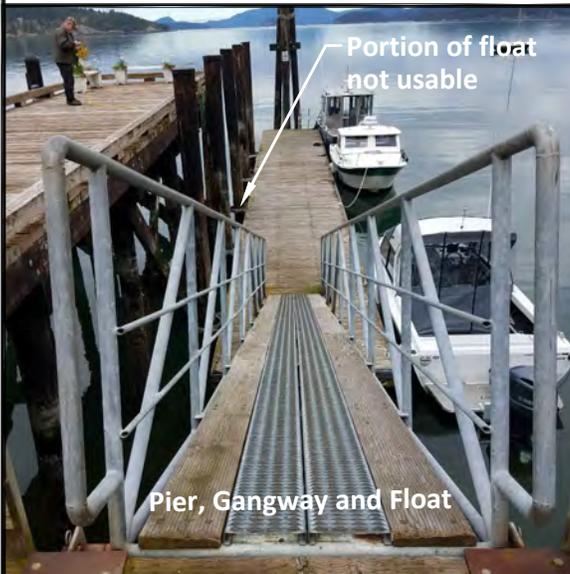
### Project Need:

- This project expands public access to and from the existing County marine facility.



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# No. 16 Hunter Bay Marine Facility



### Project Objective:

- Repair or replace the existing pier, gangway, float and creosote piles.

### Project Need:

- Only half the float can be used in its current configuration.
- The pier, gangway, float and hardware all show significant wear.
- This project may include an analysis to determine the best expansion option for the float.
- Meet current gangway standards for accessibility.



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# No. 17

## West Sound Marine Facility



### Project Objective:

- Remove eleven creosote-treated timber piles and cross-bracing and replace with eight new galvanized steel pipe piles.
- Replace the two existing floats with a single heavy duty timber float with foam-filled HDPE flotation drums and high-traction fiberglass grate deck.
- Install new aluminum gangway.

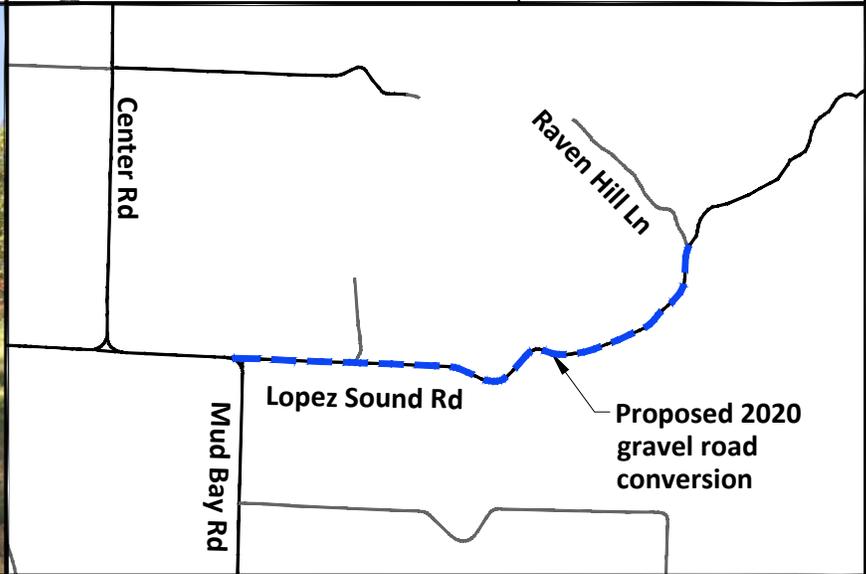
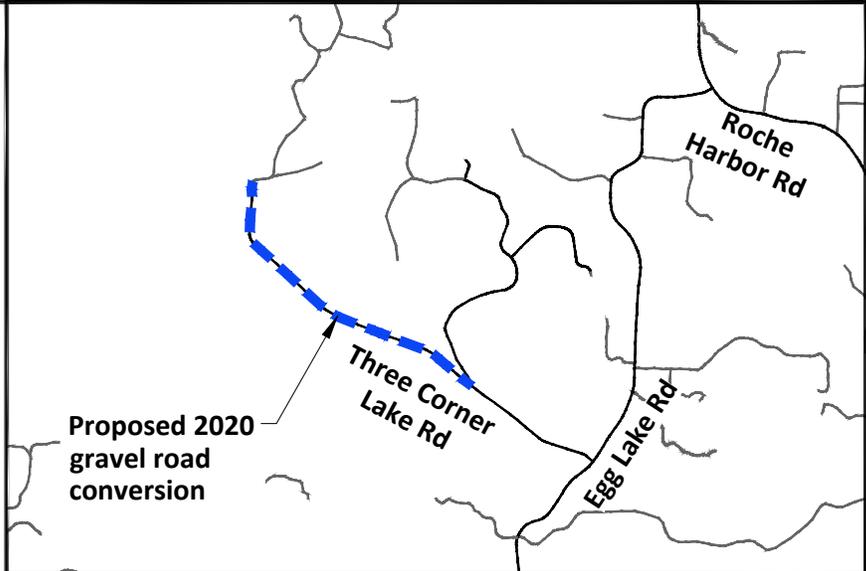
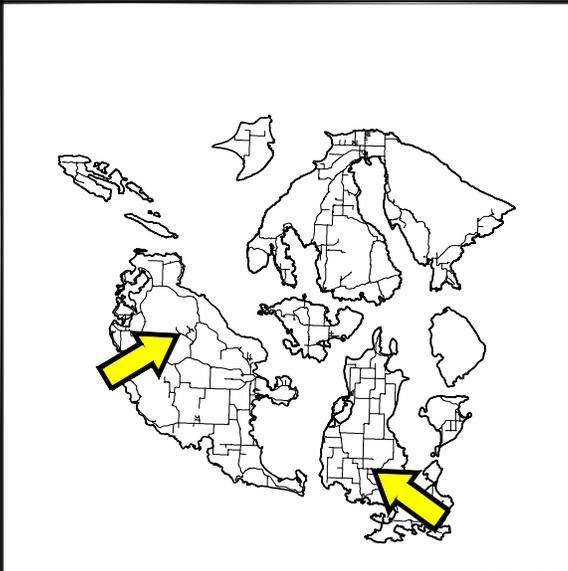
### Project Need:

- The transition bridge that spans the gap between the two independent floats is subject to failure and requires frequent maintenance.
- The weight of the existing floats and the large motions they experience during storms causes damage to the pile retainers.



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# No. 18 Gravel Road Conversions



**Project Objective:**

- Convert existing gravel roads with chip seal paving.
- Gravel road conversions do not significantly alter the roadway geometry.
- 2020 County Wide Conversions Include Lopez Sound Rd on Lopez and Three Corner Lake Road on San Juan.

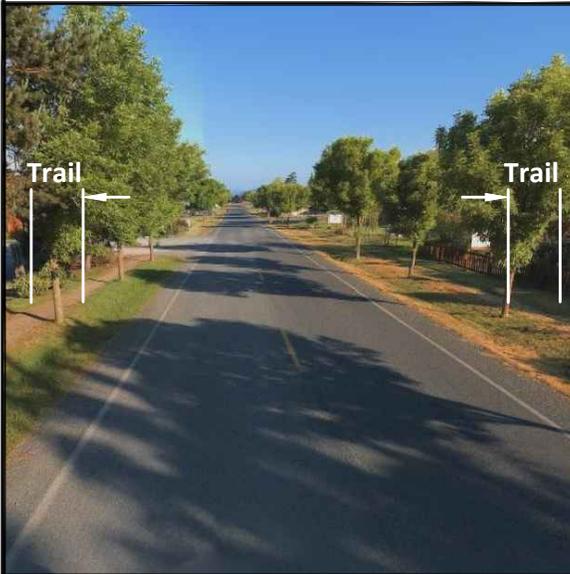
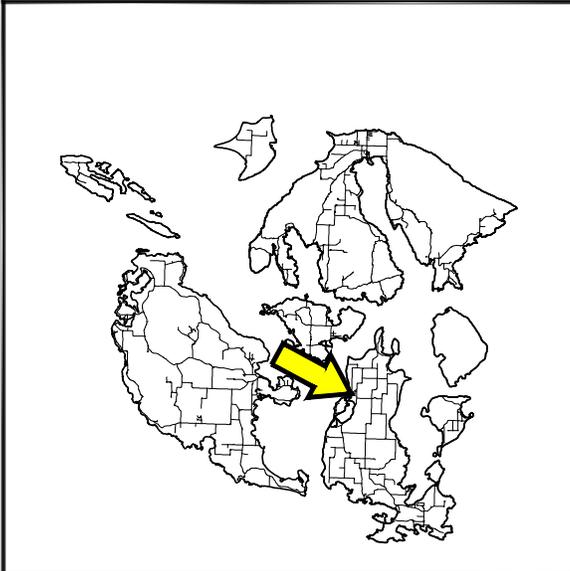
**Project Need:**

- Gravel roads are converted to chip seal when it can be shown to be a more economical method of maintaining County Roads.
- Safety, level of service and public interest are also considered.



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# No. 19 Lopez Road Trail



### Project Objective:

- Improve or restore the existing trail network along Lopez Road from Fisherman Bay Rd to Old Post Rd.

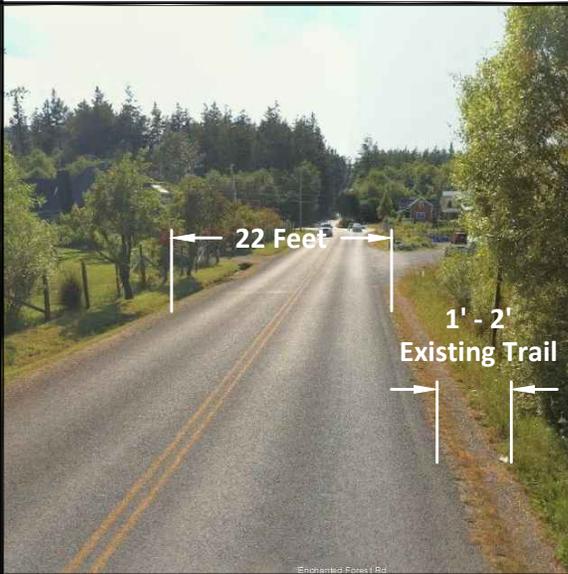
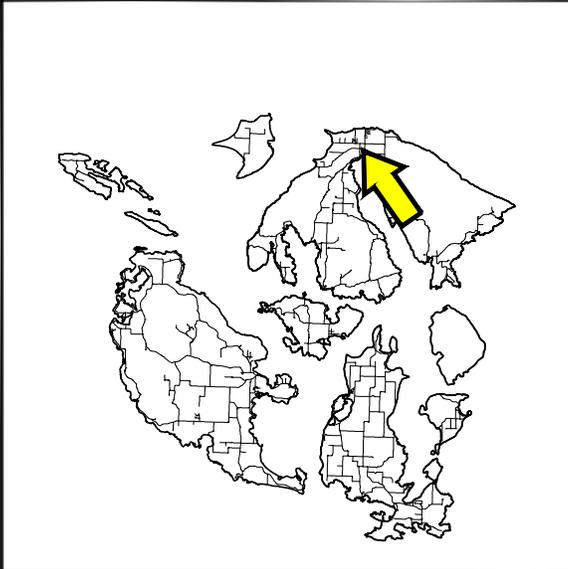
### Project Need:

- Portions of this road had gravel trails installed in the 1994 Lopez Road Improvement Project.
- Trails on both sides of Lopez Road have become overgrown and narrowed over time.
- This project will restore or improve trails to meet current county standards.



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# No. 20 Enchanted Forest Road Trail



**Project Objective:**

- Improve and complete the existing trail network along Enchanted Forest Road.

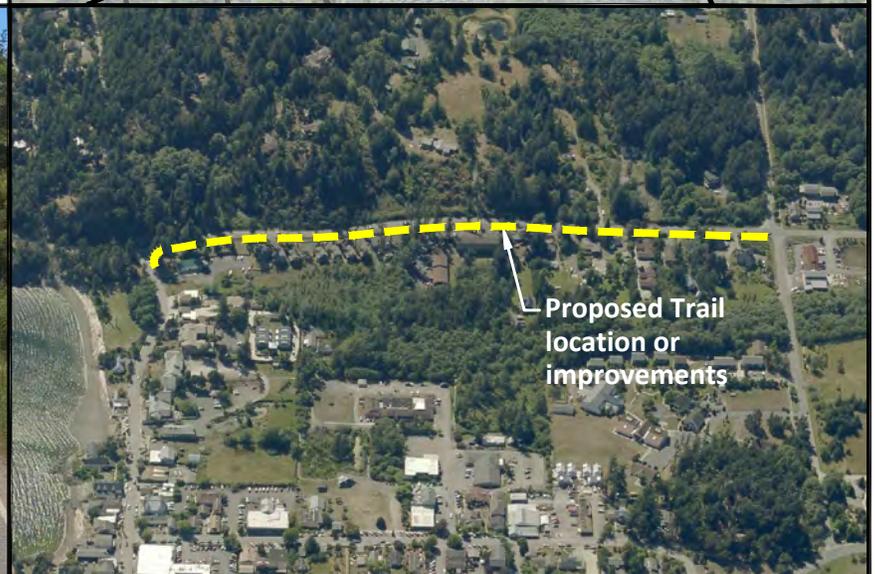
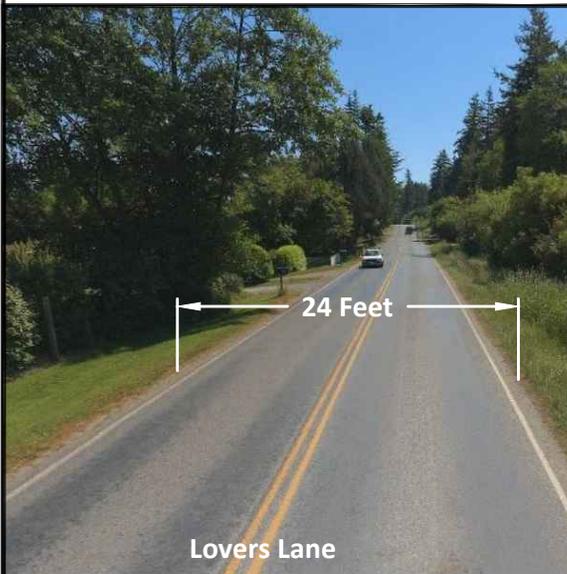
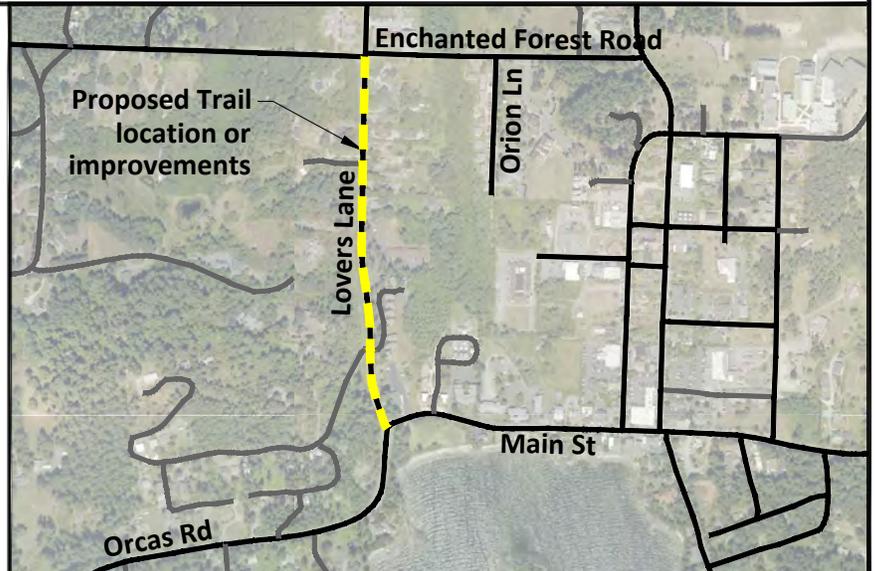
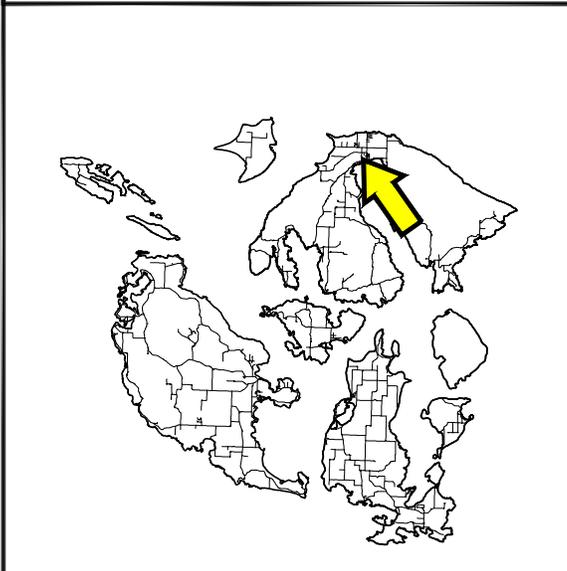
**Project Need:**

- Portions of this road have minimal shoulders and limited ROW.
- Work with EPRC to develop Street Standards for this section of Enchanted Forest Rd
- Connect to the section of Enchanted Forest Roadside Trail that is west of this project and runs between Lover’s Lane and Loganberry Lane as five foot wide compacted gravel surface.
- Connect to the existing segment of this trial running east from Orion Ln to North Beach Road, as a five foot wide compacted gravel surface.
- Connect to the Airport Trail and Eastsound Swale Trail heading north and south at the intersection of Enchanted Forest Road with Orion Lane.



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# No. 21 Lover's Lane Trail



**Project Objective:**

- Improve and complete the existing trail network along Lovers Lane.

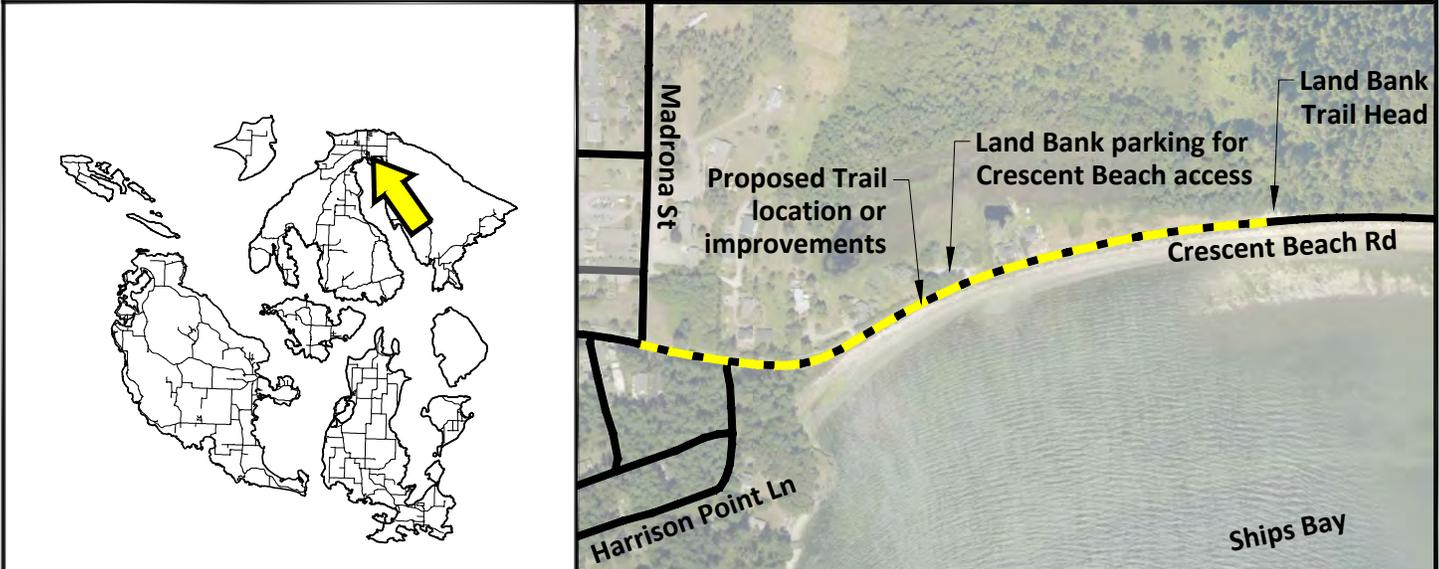
**Project Need:**

- This section of road is the truck by-pass route, has high AADT and is heavily traveled by pedestrians.
- Portions of this road have minimal shoulders and limited ROW.
- Work with EPRC to develop street standards for this section of Lovers Lane.
- Improvements will focus on meeting appropriate updates to the Eastsound Street Standard for pedestrians.
- Connect to the existing section of Enchanted Forest Roadside Trail west of this project between Lover's Lane and Loganberry Lane this is a five foot wide compacted gravel surface.
- Connect to proposed future section of Eastsound trail network to create a continuous link into the village center.



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# No. 22 Crescent Beach Rd Trail



**Project Objective:**

- Construct a roadside trail along Crescent Beach Road from Madrona Street to the Land Bank's eastern parking lot along and trail head.

**Project Need:**

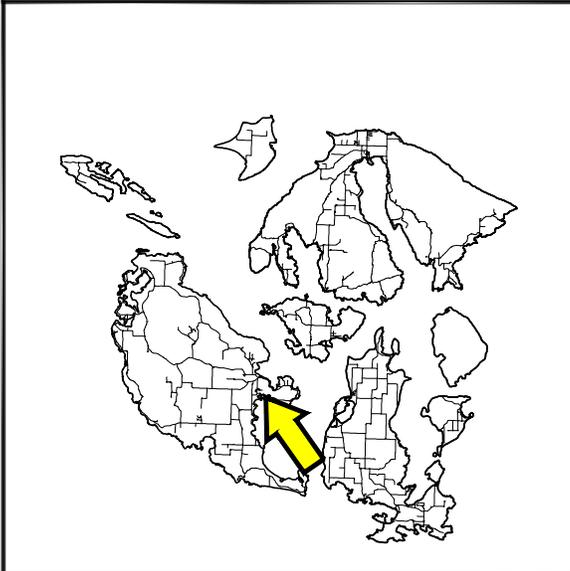
- This section of Crescent Beach Road has minimal shoulders and is heavily traveled by vehicles and pedestrians.
- Work with EPRC to develop street standards for this section of Crescent Beach Road.



Rev. 2019-07-31

# No. 23

## Pear Point Shoulder Widening



### Project Objective:

- Construct 4 foot shoulder on south side of Pear Point Road from Argyle Ave to Jackson Beach Road.

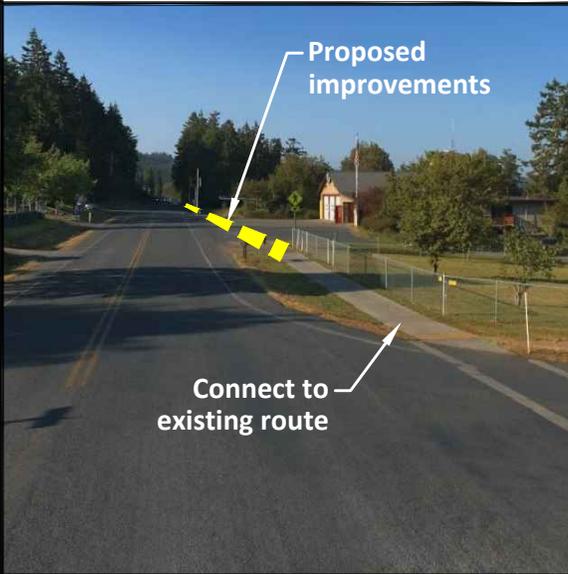
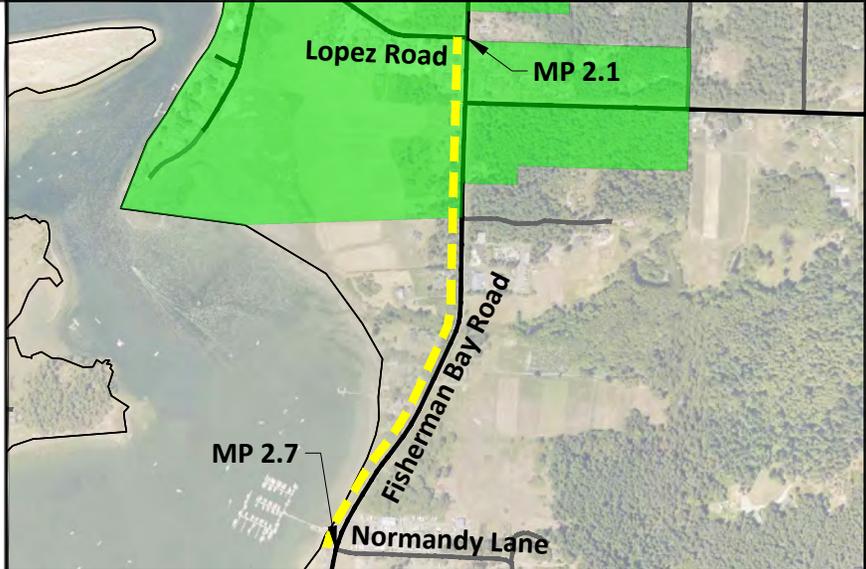
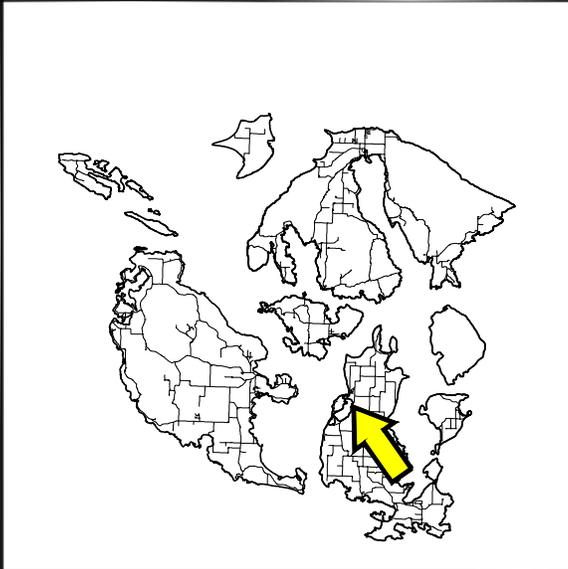
### Project Need:

- Provide a safe pedestrian and bicycle route connects from the Town of Friday Harbor, the nearby elementary school, fairgrounds and residential community to the shore access at Jackson's Beach.
- This is a high use route for non-motorized transportation with unpaved shoulders and limited widths.
- This project has been awarded TIB Complete Streets Funds.



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# No. 24 Fisherman Bay Rd Shoulder Widening



**Project Objective:**

- Widen the west shoulder of Fisherman Bay Road to construct a roadside trail from Lopez Road (Lopez Village) to Normandy Lane (Marina).

**Project Need:**

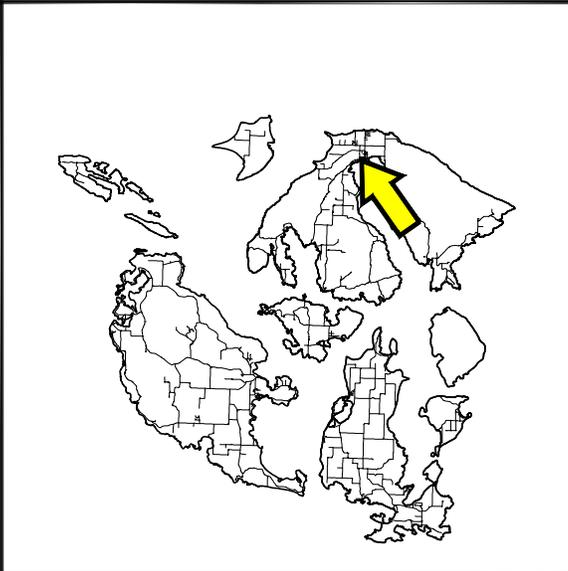
- Provide a safe pedestrian and bicycle route to and from Lopez Village and the Marina.
- Portions of this road have minimal shoulders and limited ROW.
- Project has been awarded TIB Complete Streets Funding



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# No. 25

## Orcas Road Multimodal Improvements



### Project Objective:

- Construct multimodal improvements on Orcas Road from Myer's Street to the Main Street intersection.

### Project Need:

- Provide a safe pedestrian and bicycle route along Orcas Road as it enters Eastsound
- This section of the Orcas Road has High AADT and is the Truck route into Eastsound and connection to the east half of the island.
- The road is heavily used by bicyclists and pedestrians.
- The project has been awarded TIB Complete Streets funding.



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# No. 26

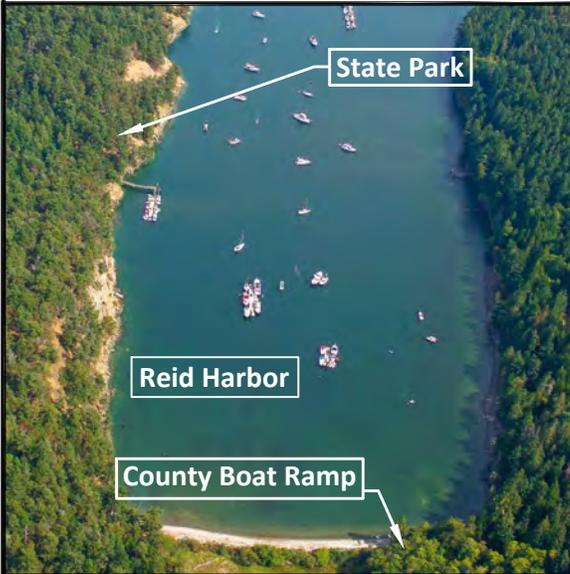
## San Juan County Mooring Buoys

County Wide



Eastsound UGA

Madrona Point Marine Facility



State Park

Reid Harbor

County Boat Ramp



8/18/2016 11:12 AM

Lopez Village UGA

Fisherman Bay Spit Shore Access

Old Post Rd Shore Access and Steps

### Project Narrative:

- In 2015 the state legislature amended RCW 36.82.070 to include the following provision: “For counties that consist entirely of islands, county road purposes also include marine uses relating to navigation and moorage. Such a county may deposit revenue collected under RCW 84.52.043 and 36.82.040, in the amount or percentage determined by the county, into a subaccount within the county road fund to be used for marine facilities, including mooring buoys, docks, and aids to navigation”
- The Public Works Department is currently working with the County Council, the County Road Administration Board and the County Auditor to establish a program to install mooring buoys around San Juan County using Road Funds that is compliant with State law.