



2019 Cattle Point Shoulder Widening



2019 Orcas Road Improvement Project

2019 Complete Streets Program Annual Report



Prepared by:
San Juan County
Public Works Department
June 8, 2020

Introduction

The complete streets concept adopted by RCW 47.04.320 promotes roads and transportation corridors that are safe and convenient for all users, including pedestrians, bicyclists, transit riders and motor vehicles. In 2018, San Juan County adopted the Complete Streets Program in Ordinance 24-2018, included as Appendix A.

The program consists of the following principles that guide planning, design, and construction of complete streets:

1. To promote healthy communities by designing walking villages and encouraging walking, bicycling, and use of public transportation; and
2. To improve safety by designing roads to accommodate all users; and
3. To reduce congestion by providing safe alternative to single-occupancy driving; and
4. To preserve the rural character of the community by involving local citizens and stakeholders to participate in the planning and design of Complete Streets.

The Ordinance defines implementation of the Complete Streets Program to include the following activities.

Planning. The County Engineer shall incorporate Complete Streets principles into the preparation of the Six Year Transportation Improvement Plan (TIP) by recommending Complete Streets projects as appropriate.

Application. For each project considered for inclusion on the TIP, the County Engineer shall evaluate the application of Complete Streets principles into the planned design of the project. This evaluation shall be based on sound engineering principles as defined by RCW 47.04.3230(2)(c). The County Engineer may determine that Complete Streets principles should not be applied to a specific project if the project meets at least one of the following exceptions:

- a. An absence of need exists as identified in a currently adopted County plan; or
- b. The cost would be substantially disproportionate to the need or probable use; or
- c. The project would adversely impact critical areas and cannot be reasonably mitigated.

Annual Report. The County Engineer shall prepare an annual report on the recommended application of Complete Streets principles. When Complete Street principles are incorporated in the design of a project, the report shall describe any anticipated costs to the project for this provision. When Complete Streets principles are not incorporated in the design of a project, the report shall describe how an exemption was determined to be appropriate. The final report shall be available to and considered by the County Council during adoption of the TIP.

The following report documents the status of Complete Streets Funding and the application of Complete Streets principles in current and future projects.

Complete Streets Accomplishments

San Juan County has been committed to providing safe pedestrian and bicycle improvements for many years. The table below shows the some of the recent Public Works projects that provided multimodal improvements from 2009-2019.

Year	Project Name	Multimodal Improvement	Total Length (miles)	Estimated Construction Costs	Funding*
2009	Golf Course Trail	Separated Trail/Path	0.27	\$12,000	Local Road Fund
2009	Weeks Rd Pedestrian Imp.	Separated Trail/Path	0.30	\$80,000	Local Road Fund
2009	Enchanted Forest Rd Trail	Separated Trail/Path	0.20	\$95,000	Local Road Fund
2013	Mt. Baker Rd Trail	Separated Trail/Path	0.9	\$326,229	FHWA-STP CRAB-RAP
2014	Cattle Pt. Rd. Realignment	Paved bike shoulders	2.2	Not Calculated	FLAP
2017	Orcas Village Park & Ride	Provide parking to encourage pedestrian access to ferry	NA	\$1,006,000	State-Multimodal
2017	Orcas Landing Pedestrian Imp.	Improve pedestrian access at the ferry landing	NA	\$144,000	LTAC
2018	Deer Harbor Hamlet Trail	Walking trail along roadway.	0.5	\$109,448	LTAC
2019	Orcas Rd	Paved bike shoulders	2.2	\$500,000	CRAB RAP
2019	Cattle Point Rd	Paved bike shoulders	2.4	\$100,000	TIB Complete Streets

* Acronyms defined at the end of the document

2019 Complete Streets Accomplishments

Orcas Road Paved Bike Shoulders (CRP 0214020) Completed August 2019

Funding: CRAB RAP

Total Grant: \$2,587,500

Estimated Complete Streets Costs: \$500,000

Complete street principles applied. Project constructed 4 foot paved shoulders for bicyclist, both sides of the road for 1.1 miles on Orcas Road from south of Nordstroms Lane to North of McNallie Lane. Low pedestrian use in this area, no specific pedestrian improvements provided.



Orcas Road before construction



After construction, with 4 foot bike shoulders

Cattle Point Road Shoulder Widening (CRP 011902) Completed August 2019

Estimated Complete Street Costs: \$100,000

Funding: TIB Complete Streets Funds, \$100,000

Complete Street principles applied. Project includes 3-4 foot shoulders for bicyclists, both sides of the road for 1.2 miles from False Bay Rd to Eagle Cove. Low pedestrian use in this area, no specific pedestrian improvements provided.



Cattle Point Road before construction



After construction, with 4 foot bike shoulders.

2020-2025 Capital Projects

The TIP for 2020-2025 (2020-2025 TIP) is provided as Appendix B. The following projects on the 2020-2025 TIP are specifically developed to improve multimodal transportation.

Haven Road Pedestrian Improvements (CRP 021701)

220 feet of sidewalk in Eastsound on Orcas Island scheduled for construction in 2020.

Total Estimated Project Costs: \$160,000.

Funding: FHWA TAP funding \$110,000.

Enchanted Forest Road Trail (CRP 021501)

450 feet of sidewalk in Eastsound on Orcas Island scheduled for construction in 2020.

Total Estimated Project Cost: \$115,000,

Funding: PFFAP \$30,000

Pear Point Rd Shoulder Widening (CRP 011901)

0.45 miles of improved road shoulders for safe pedestrian and bike use on Pear Pt Rd to connect Argyle Ave to Jackson Beach on San Juan Island. Scheduled for construction in 2020.

Total Estimated Project Cost: \$125,000

Funding: TIB Complete Streets Funds

Fisherman Bay Rd Shoulder Widening (CRP 032001)

0.6 miles of improved road shoulders for safe pedestrian and bike use on Fisherman Bay Road to connect Lopez Village to the marina on Lopez Island. Scheduled for construction in 2020

Total Estimated Project Cost: \$150,000

Funding: TIB Complete Streets Funds

Orcas Rd Multimodal Improvements

720 feet of pedestrian and bicycle improvements on the southeast side of Orcas Road entering Eastsound on Orcas Island. Scheduled for construction in 2021

Total Estimated Project Costs: \$110,000

Funding: TIB Complete Streets Funds

Lover's Lane Trail

0.3 miles of pedestrian access in Eastsound on Orcas Island. Scheduled for construction in 2022.

Total Estimated Project Cost: \$100,000

Crescent Beach Rd Trail

0.3 miles of pedestrian access in Eastsound on Orcas Island. Scheduled for construction in 2023

Total Estimate Project Cost: \$100,000

In addition to the projects developed specifically to improve multimodal access; Complete Streets principles are applied to the road improvement projects listed in the 2020-2025 TIP as described below.

Pear Point to Turn Point Rd Connector (CRP 010801)

Total Estimated Project Cost: \$710,000

Complete Streets principles applied. 0.8 miles of bike shoulders and walking trails to connect Pear Point Road and Turn Point Road on San Juan Island. Project includes 4 foot shoulders for bicyclists and a separated trail for pedestrians on the Island Recreation Property.

Estimated Complete Streets Costs: Trail \$62,000 and Shoulder \$130,000

Upper Deer Harbor Road Improvements (CRP 020504)

Total Estimated Project Cost: \$610,000

Funding: PFFAP \$40,000, LTAC \$200,000, REET \$160,000

Complete Streets principles applied. Project provides additional room for parked cars which creates more space for bicyclists and pedestrians. Additional improvements are not necessary; majority of bicycle and pedestrian traffic uses Deer Harbor Road.

Estimated Complete Streets Costs: Not applicable

Agate Beach County Park Road Relocation (CRP 030601)

Total Estimated Project Cost: \$920,000

Funding: FLAP Grant \$795,546

Complete Streets principles applied. Relocating the road away from the eroding bluff creates 0.2 miles separated trail for bicyclists and pedestrians. Construction scheduled for 2023.

Estimated Complete Streets Costs: Separated Trail is a side benefit of the project; no additional costs associated with the trail improvements.

Prune Alley Rd Improvements (CRP 021502)

Total Estimated Project Cost: \$2,925,000

Funding: FHWA STP approximately \$175,000/year, REET \$650,000 per year

Complete Streets principles applied. Project includes 0.3 miles sidewalks and cross walks for pedestrians and defined parking to improve bicycle safety. Scheduled for construction in 2021-2023.

Estimated Complete Streets Costs: \$2,240,000 (Project minus Stormwater Improvement Costs)

Douglas/Bailer Hill Road Improvements (CRP 011303)

Total Estimated Project Cost: \$2,520,000

Funding: CRAB RAP \$2,362,500

Complete Streets principles applied. Project includes 1.3 miles of paved shoulders for bicycles. Low pedestrian use in this area, no specific pedestrian improvements provided. Scheduled for construction in 2024.

Estimated Complete Streets Costs: \$475,000

The application of Complete Streets principles will be evaluated during the project design for the following projects. The estimated date for design is provided in parenthesis.

- Lawson Rd Intersection (2022)
- Center Rd Improvements (2024)
- A Street Rd Improvements (2025+)
- Lopez Road Trail (2025+)
- Rouleau Rd Improvements (2025+)
- San Juan Valley Rd Improvements (2025+)
- Obstruction Pass Rd Intersection (2025+)
- Dill Rd Intersection (2025+)

Summary

The County is applying the Complete Streets principles to current and future projects. In 2019, approximately 4.6 miles of paved bike shoulders were constructed along frequently used bike routes on Orcas Road and Cattle Point Road

Projects planned for construction in 2020 and 2021 include an estimated 2.65 miles of bike shoulders, 0.8 miles of walking trails, and 2,400 feet of sidewalks.

San Juan County has received funding for Complete Streets projects from State and Federal grant funding from Washington County Road Administration Board Rural Arterial Program (RAP), Washington Transportation Improvement Board (TIB), Federal Lands Federal Transportation Alternatives Program (TAP), Federal Surface Transportation Program (STP), and Federal Lands Access Program (FLAP).

Summary of State and Federal Funding for Complete Streets Projects		
Year	Total	Sources
2019	\$1,235,000	\$500,000 TIB, \$260,000 FHWA TAP/STP, \$475,000 CRAB RAP
2020*	\$175,000+	\$150,000 FHWA STP, Design funding from FLAP and CRAB RAP

* Expected Grant Funds

Acronyms:

- CRAB-County Road Administration Board
- FHWA-Federal Highway Administration
- FLAP-Federal Lands Access Program
- LTAC-Lodging Tax Facilities Grant Program (County)
- PFFAP- Public Facilities Financing Assistance Program (County)
- RAP-Rural Arterial Program
- REET-Real Estate Excise Tax (County)
- STP-Surface Transportation Program (also called STBG-Surface Transportation Block Grant)
- TIB-Washington State Transportation Improvement Board
- TAP-Transportation Alternative Program
- WSDOT-Washington State Department of Transportation

Appendix A
Ordinance 24-2018
Complete Streets Program

ORDINANCE NO. 24-2018

**AN ORDINANCE ADOPTING A COMPLETE STREETS PROGRAM;
AMENDING SAN JUAN COUNTY CODE CHAPTER 12.03**

BACKGROUND

WHEREAS, San Juan County desires to build and maintain public transportation routes that are designed to provide safe access to all users, including bicyclists, pedestrians, motorists and public transportation users;

WHEREAS, the San Juan County Council desires to adopt a jurisdiction-wide complete streets ordinance that plans for the needs of all users and is consistent with sound engineering principles as required to be awarded grant funds under RCW 47.04.320;

WHEREAS, San Juan County desires to take the steps necessary to qualify for funding awarded pursuant to RCW 47.04.320;

WHEREAS, the County Council desires to rename Chapter 12.03 to provide a more general description to cover the contents of the Chapter; and

WHEREAS, the County Council conducted a duly advertised public hearing and has considered all public testimony;

NOW, THEREFORE, BE IT ORDAINED by the County Council of San Juan County, State of Washington, as follows:

Section 1. A new section is added to Chapter 12.03 with the heading "Complete Streets Program" to read as follows:

A. Purpose. The purpose of this section is to establish a Complete Streets Program consistent with RCW 47.04.320 by providing safe access to all users, including bicyclists, pedestrians, motorists, and public transportation users.

B. Definitions.

"Complete Street" means a public transportation route designed to allow bicyclists, pedestrians, motorists, and public transportation users of all ages and abilities to move around the community safely.

"TIP" means the six-year comprehensive transportation program described by RCW 36.81.121.

C. Principles. The Complete Streets Program for San Juan County consists of the following Complete Streets principles that guide the planning, design, and construction of Complete Streets:

1. To promote healthy communities by designing walking villages and encouraging walking, bicycling, and use of public transportation; and
2. To improve safety by designing roads to accommodate all users; and
3. To reduce congestion by providing safe alternatives to single-occupancy driving; and
4. To preserve the rural character of the community by involving local citizens and stakeholders to participate in the planning and design of Complete Streets.

D. Implementation.

1. **Planning.** The County Engineer shall incorporate Complete Streets principles into the preparation of the TIP, as provided by RCW 36.81 and RCW 47.30, by recommending Complete Streets projects, as appropriate.

2. **Application.** For each project considered for inclusion on the TIP, the County Engineer shall evaluate the application of Complete Streets principles into the planned design of the project. This evaluation shall be based on sound engineering principles as defined by RCW 47.04.320(2)(c). The County Engineer may determine that Complete Streets principles should not be applied to a specific project if the project meets at least one of the following exceptions:

- a. An absence of need exists as identified in a currently adopted County plan; or
- b. The cost would be substantially disproportionate to the need or probable use; or
- c. The project would adversely impact critical areas and cannot be reasonably mitigated.

3. **Annual Report.** The County Engineer shall prepare an annual report on the recommended application of Complete Streets principles. When Complete Streets principles are incorporated in the design of a project, the report shall describe any anticipated costs to the project for their provision. When Complete Streets principles are not incorporated in the design of a project, the report shall describe how an exemption was determined to be appropriate. The final report shall be available to and considered by the County Council during adoption of the TIP.

E. Construction and Funding. Construction of Complete Streets may be achieved through single projects or incrementally through a series of smaller projects over time. All sources of funding may be drawn upon to implement complete streets.

Section 2. **Severability.** If any provision of this act or its application to any person or circumstance is held invalid, the remainder of the act or the application of the provision to other persons or circumstances is not affected.

Section 3. This ordinance shall take effect on January 1, 2019.

Section 4. Section 1 of this ordinance shall be codified.

Section 5. San Juan County Code Chapter 12.03 shall be renamed "County Roads"

ADOPTED this 27TH day of NOVEMBER, 2018.

ATTEST: Clerk of the Council

**COUNTY COUNCIL
SAN JUAN COUNTY, WASHINGTON**

Ingrid Gabriel 11.27.2018
Ingrid Gabriel, Clerk Date

Bill Watson
Bill Watson, Chair
District 2

REVIEWED BY COUNTY MANAGER

Michael J. Thomas 11/21/18
Michael J. Thomas Date

Jamie Stephens
Jamie Stephens, Vice-Chair
District 3

RANDALL K. GAYLORD
APPROVED AS TO FORM ONLY

By: RK Gaylord 11/19/18
Date

Rick Hughes
Rick Hughes, Member
District 1

Appendix B
2020-2025 Six Year TIP

RESOLUTION NO. 366 - 2019

ADOPTING THE SIX-YEAR TRANSPORTATION IMPROVEMENT PROGRAM 2020-2025

WHEREAS, pursuant to RCW 36.81.121, the County Engineer prepared a Six-Year Transportation Improvement Program (TIP) for 2020-2025;

WHEREAS, pursuant to WAC 136-14, the County Engineer prepared a Priority Array which was available to and consulted by the County Council and the County Engineer in preparation of the TIP;

WHEREAS, pursuant to WAC 136-20, the County Engineer prepared an Annual Bridge Report which was available to and consulted by the County Council and the County Engineer in preparation of the TIP;

WHEREAS, pursuant to RCW 36.81.121, the County Council held a public hearing on the TIP on September 24, 2019, and

WHEREAS, the County Engineer recommends that the TIP be adopted;

NOW, THEREFORE, BE IT RESOLVED by the County Council of San Juan County, state of Washington, as follows:

1. The Six-Year Transportation Improvement Program 2020-2025, attached hereto, is adopted.

ADOPTED this 8TH day of OCTOBER 2019.

ATTEST: Clerk of the Council

Ingrid Gabriel 10.9
Ingrid Gabriel, Clerk Date

REVIEWED BY COUNTY MANAGER

Michael J. Thomas 10/8/19
Michael J. Thomas Date

RANDALL K. GAYLORD
APPROVED AS TO FORM ONLY

By: [Signature] 9/27/19
Date

COUNTY COUNCIL
SAN JUAN COUNTY, WASHINGTON

[Signature]
Jamie Stephens, Chair
District 3

[Signature]
Rick Hughes, Vice-Chair
District 2

[Signature]
Bill Watson, Member
District 1

RESOLUTION -2019

2020 SIX YEAR TRANSPORTATION IMPROVEMENT PROGRAM (2020-2025)

No.	Loc.	CRP	PROJECT	TOTAL PROJECT	TOTAL PRIOR YRS	PROJECT SCHEDULE (in thousands of dollars)						TOTAL 2025+	COMMENTS		
						2020	2021	2022	2023	2024	2025				
COUNTY ROAD PROJECTS															
1	SJ	010801	Pear Point Rd to Turn Point Rd Connector	\$715	\$215	\$500								Secured \$40k PFFAP, \$200k LTAC and \$160k REET II	
2	O	020504	Upper Deer Harbor Road Improvements	\$610	\$150	\$460								Secured \$800k FLAP funds (13.5% Match)	
3	L	030601	Agate Beach County Park Road Relocation	\$349	\$124	\$25	\$25	\$150						Secured \$150k STBG annual, \$650k REET II annual	
4	O	021502	Prune Alley Rd Improvements	\$2,925	\$275	\$1,000	\$900	\$750						\$175k Cf	
5	SJ	011302	Beaverton Valley Rd Culvert Replacement	\$150				\$150							
6	SJ	011303	DouglasRd/Bailer Hill Rd Improvements	\$2,520	\$20				\$2,000					Secured RAP Grant \$2,362k	
7	O	020801	A Street Rd Improvements	\$1,520	\$20									Secured \$110k in TAP Funds	
8	O	021701	Haven Rd Pedestrian Improvements	\$160	\$85	\$75								Pending Funding	
9	SJ		Rouleau Rd Improvements	\$1,300										Pending Funding	
10	SJ		San Juan Valley Rd Improvements	\$600										Pending Funding	
11	L		Center Rd. Improvements	\$1,300					\$100	\$100	\$400			Pending Funding (\$300k STBG/STP Funds)	
12	SJ		Lawson Rd Intersection	\$300							\$300			Pending Funding	
13	O		Obstruction Pass Rd Intersection	\$300							\$300			Pending Funding	
14	L		Dill Rd Intersection	\$300							\$300			Pending Funding	
MARINE PROJECTS															
15	O	021602	Orcas Landing Marine Facility	\$910	\$560									Pending Funding (PFFAP/LTAC)	
16	L	031501	Hunter Bay Marine Facility	\$440	\$190				\$100	\$250					
17	O		West Sound Marine Facility	\$500				\$250							
GRAVEL ROAD CONVERSIONS															
18			Annual Gravel Road Conversions			\$150	\$150	\$150	\$150	\$150	\$150			Roads to be selected	
PATHS AND TRAILS (RCW 47.30.050)															
19	L	031701	Lopez Rd Trail	\$100											
20	O	021501	Enchanted Forest Road Trail	\$115	\$15	\$90	\$10							Secured \$30k PFFAP	
21	O		Lover's Ln Trail	\$100			\$25	\$75							
22	O		Crescent Beach Rd Trail	\$100				\$25		\$75					
23	SJ	011901	Pear Pt Shoulder Widening	\$125	\$5	\$120								Secured \$120k Complete Streets Funding	
24	L		Fisherman Bay Rd Shoulder Widening	\$150		\$150								Secured \$150k Complete Streets Funding	
25	O		Orcas Rd Multimodal Improvements	\$110				\$110						Secured \$120k Complete Streets Funding	
MARINE NAVIGATION AND MOORAGE (RCW 36.82.070)															
26		051901	San Juan County Mooring Buoys			\$10	\$10	\$10	\$10	\$10	\$10			Pending Program Development	
MISCELLANEOUS UNSPECIFIED PROJECTS (WAC 136-16-025)															
27			Miscellaneous Unspecified Projects			\$100	\$100	\$100	\$100	\$100	\$100			May be road, marine, path or trail project	
				TOTAL FUNDS		\$2,680	\$1,330	\$1,535	\$1,185	\$2,610	\$960				
				LESS GRANT FUNDS		\$1,600	\$620	\$500	\$500	\$1,912	\$300				
				COUNTY ROAD FUNDS		\$1,080	\$710	\$1,035	\$685	\$698	\$660				