

# Mason County Transportation Advisory Panel

Citizen Outreach



# TIP CAP Transportation Improvement Program

## Citizens Advisory Panel WAC 136-15 and 16

Roads

Safety

Construction

Maintenance

Trails & Paths

# Tip Cap Citizen Community Members

- Jeff Carey - Urban Growth Area Belfair/Allyn
- Mark Carlson - Urban Growth Area City of Shelton
- Mary Jo Cady - District 1 Rural
- Pete Butkus - District 2 Rural
- Don Pogreba - District 3 Rural
- Jack Johnson - Freight / Trucking
- Vacant - Transit
- Phil Wolff - Bicycle / Pedestrian
- *Vacant Rural Activity Center Hoodspout Union*

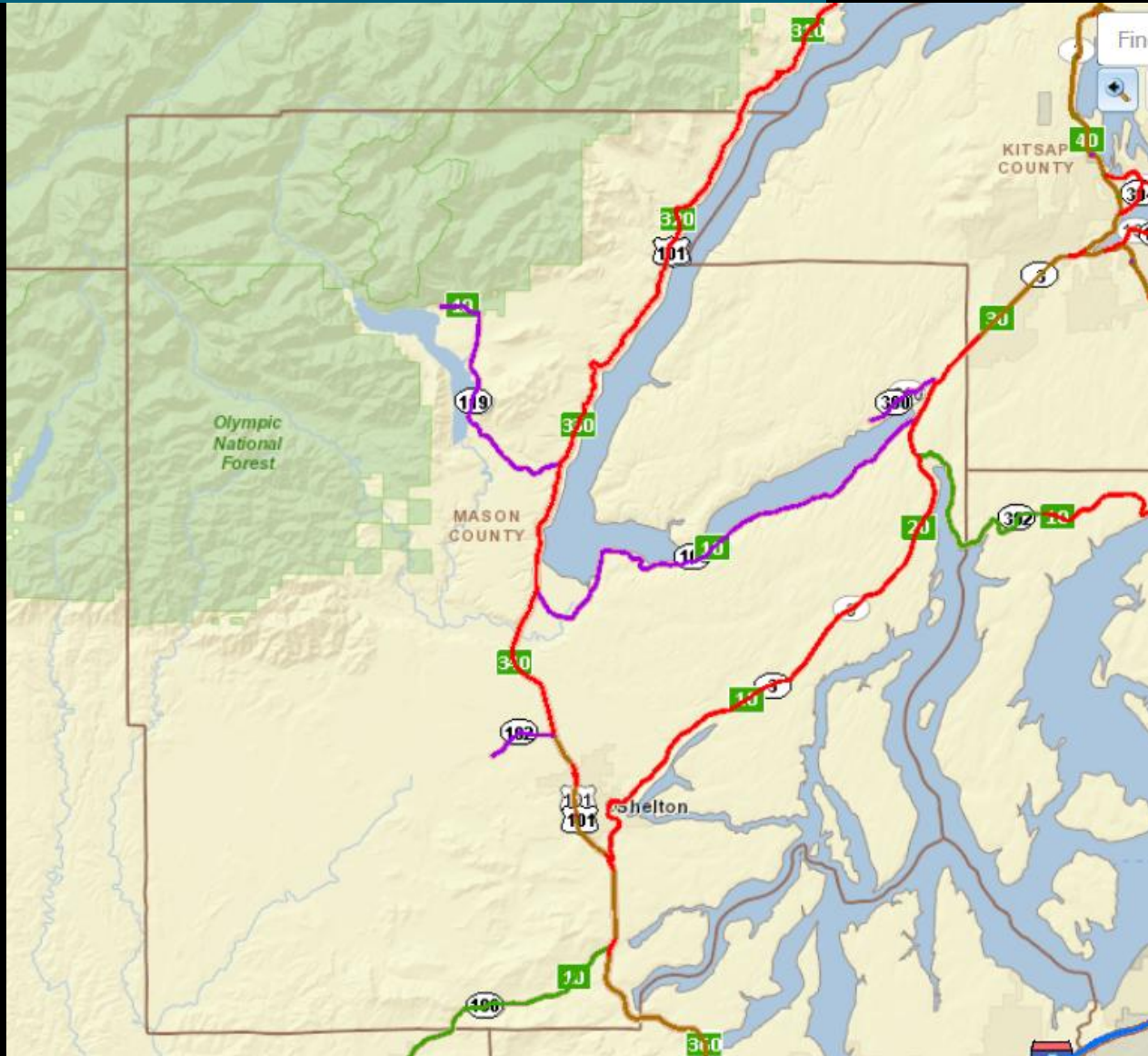
# Public Works Transportation

- Jerry Hauth, Public Works Director
- John Huestis, County Engineer
- Loretta Swanson, Technical Services Manager
- Cyndi Ticknor, Road Maintenance Manager
- Kathy Cari

# Our Directive for TIP CAP

- **Recommendations 6 year Transportation Improvement Plan (TIP) Through a citizen advisory panel (CAP)**
- **Ensure the financial viability of county road System**
- **Review Reports on Bridges, Roads, Culverts, Trails & etc.**
- **Address Urban Growth Areas: Belfair, Allyn and Shelton**
- **Participate with County Comprehensive planning updates**
- **Listen to citizen recommendations and concerns regarding transportation & review quarterly**

# State Roads vs County Roads



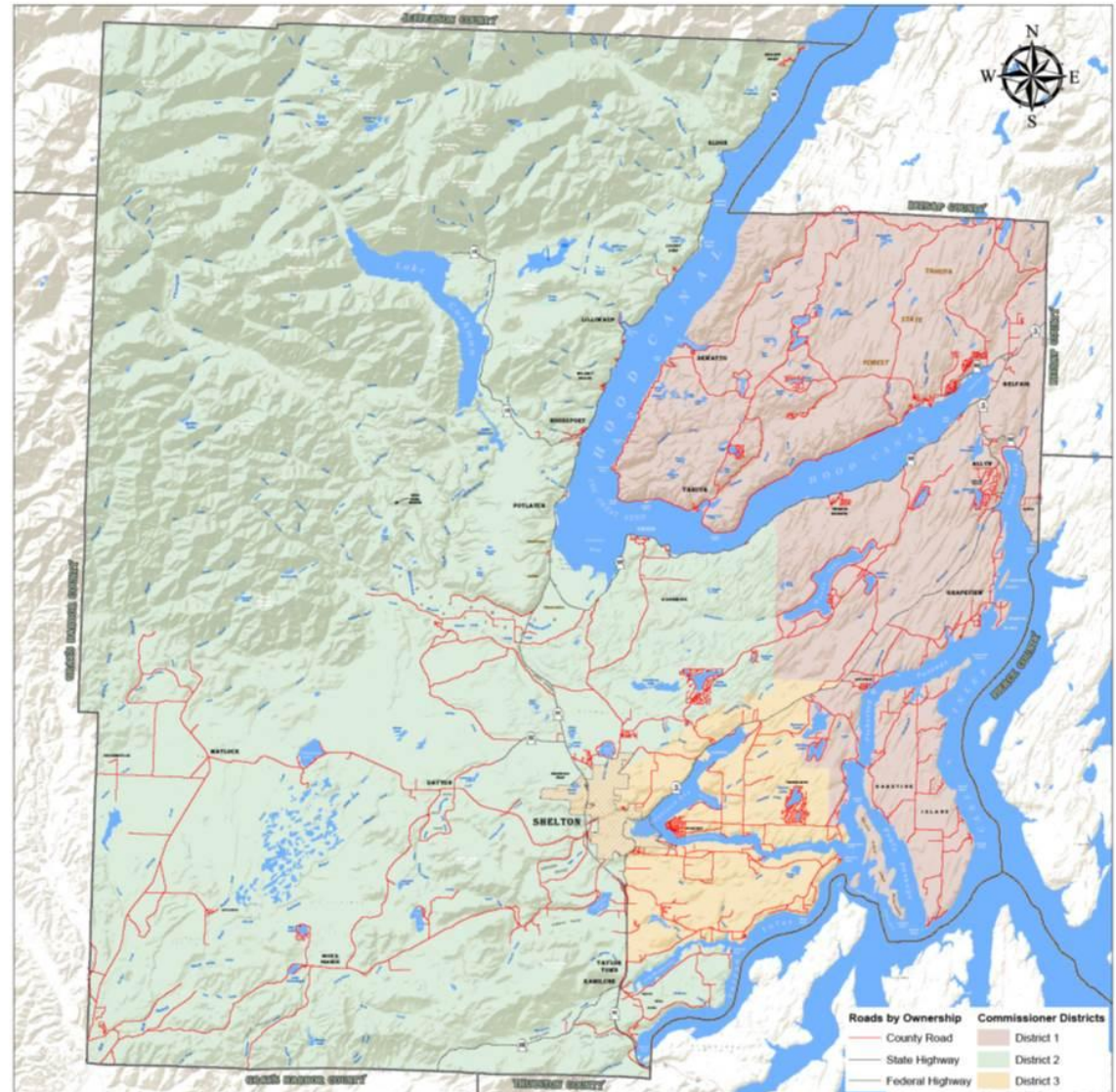
# Transportation Overview

- 620 miles of road
- 64 Bridges
- 3,300 Culverts

**Annual Maintenance Needs:**

**50 miles Chipseal**

**12 miles HMA Overlay**

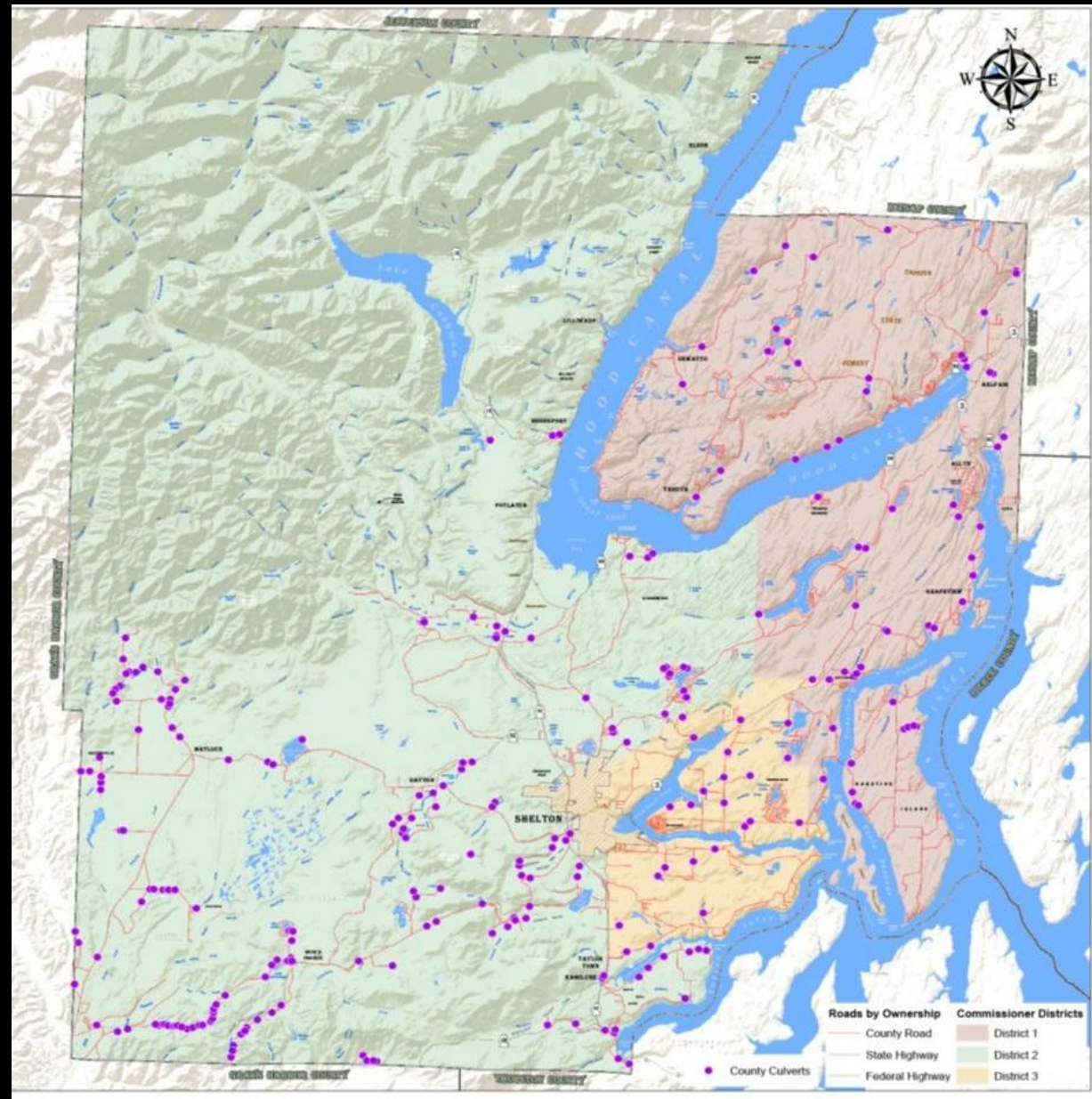


# Culvert Facts

300 +  
Fish Barrier  
Culverts

29 Barriers removed  
Since year 2000

\$325,000 average cost



# Annual Construction Program

Mason County  
2018  
Annual Construction Program  
WAC 136-16

(A) TOTAL CONSTRUCTION DONE (total sum of column 13 + column 14): \$3,600,000.00  
 (B) COMPUTED COUNTY FORCES LIMIT: \$1,270,103.75  
 (C) TOTAL COUNTY FORCES CONSTRUCTION (total sum of column 14): \$190,000.00

Date of Environmental Assessment: Nov 28, 2017  
 Date of Final Adoption: 73-17  
 Ordinance/Resolution Number:

(1) Annual Program Item No.	(2) 5 Year Road Program Item No.	(3) Project Name	(4) Road Segment Information				(9) Project Length(mi.)	(6) Project Type Code	(7) Environmental Assessment	(8) County Road Funds	(9) Other Funds		(11) PE & CE (\$95.10)	(12) Right of Way (\$95.20)	(13) Construction		(14) County Forces	(15) Grand Total (All 595)	
			Road #	Road Name	BMP	EMP					FFC	Amount			Program Source	Contract			County Forces
1	01	Programmatic Preservation - HMA Overlay	91720	Road Name: John's Prairie Road From: Hiawatha Blvd To: RR Tracks	0.55	2.60	07	3.55	HMA	E	\$325,000	\$700,000.00	STP(R)	\$135,000	\$0	\$890,000	\$0	\$1,025,000	
			52210	Road Name: Mason Lake Road From: Evergreen Dr To: Ballantree Dr	1.35	2.85	07												
2	02	Programmatic Safety	79800	Road Name: Bear Creek Dewatto Road From: Elfordahl Pass Rd To: Blacksmith Ln	5.20	6.70	08	1.50	Safety	E	\$330,000	\$240,000.00	HSIP	\$60,000	\$10,000	\$500,000	\$0	\$570,000	
3	03	Unplanned Small Capital Projects					N/A	Other	E	\$100,000			\$10,000	\$5,000	\$45,000	\$40,000	\$100,000		
4	04	Unplanned Culvert Repair/Replacement					N/A	DR FP	I	\$200,000			\$40,000	\$10,000	\$0	\$150,000	\$200,000		
5	05	Highland Rd Culvert	04450	Road Name: Highland Road From: 1.40 To: 1.50	1.40	1.50	07	0.10	DR FP	I	\$3,900	\$35,000.00	RAP	\$38,900	\$0	\$0	\$0	\$38,900	
6	09	Madock-Brady Phase 1	90100	Road Name: Madock-Brady Road From: Satsop Maple Glen Dr To: Schafer Park Rd	26.37	27.60	07	1.23	SR	I	\$1,140,000	\$1,000,000.00	RAP	\$200,000	\$110,000	\$1,830,000	\$0	\$2,140,000	
7	10	Belfair Area Sidewalks - Old Belfair Hwy	98250	Road Name: Old Belfair Highway From: SR 300 To: Senior Center	0.00	0.10	07	0.10	SW	E	\$185,000			\$25,000	\$15,000	\$145,000	\$0	\$185,000	
										\$2,283,900	\$1,975,000	\$508,900	\$150,000	\$3,410,000	\$190,000	\$4,258,900			

2018 = \$4,258,900



# Budget

	2007	2018
Annual Budget	\$19,300,000	\$20,790,000
Diversion	\$403,000	\$2,160,000
Number of Employees	69	60

- Revenue is essentially flat and diversion has increased.
- Inflation and added regulations/processes have increased the cost of doing business.

## THE RESULT

- Smarter ways of doing business,
- Employee reduction of 9, and
- Some service reduction.

# Where to Find More Information

## Mason County Public Works

- 2018 Annual Construction Program
- 2018-2023 6-Year Transportation Improvement Plan (TIP)

## Mason County GIS

## Belfair Mobility Plan

## TIP-CAP

## Mason Transit Authority (MTA)

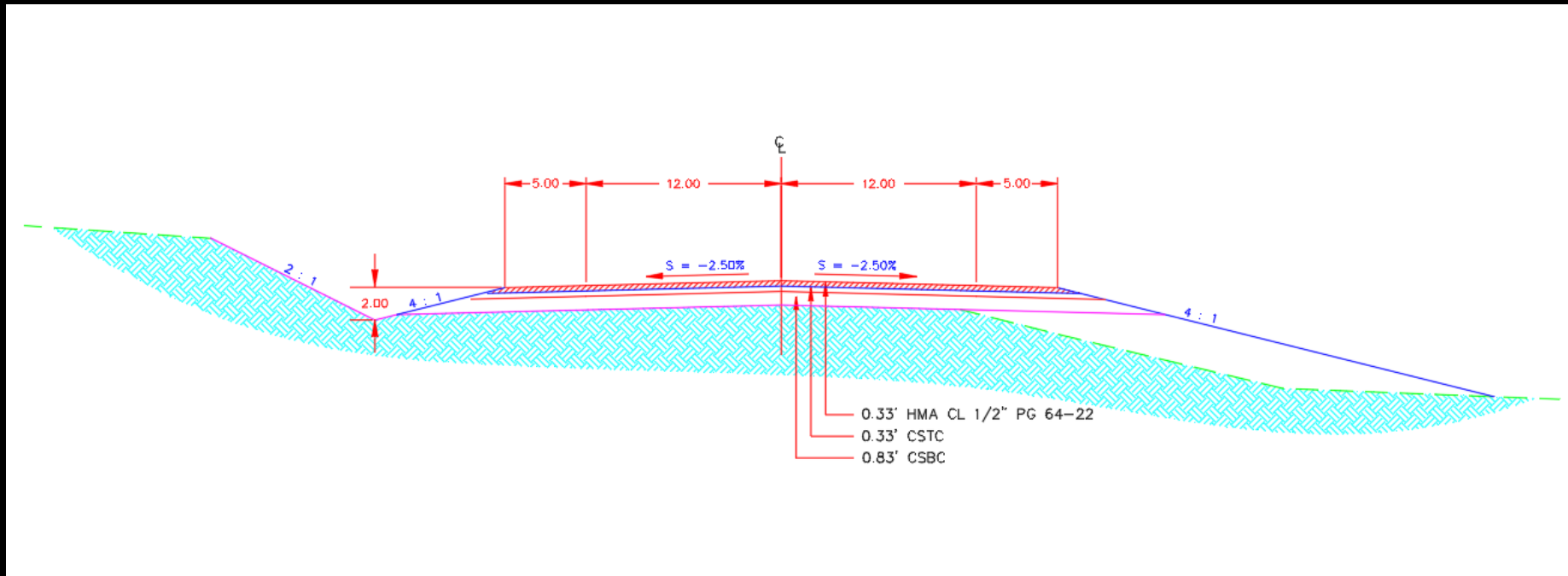
## Washington State DOT

## County Comprehensive Planning – Transportation Element

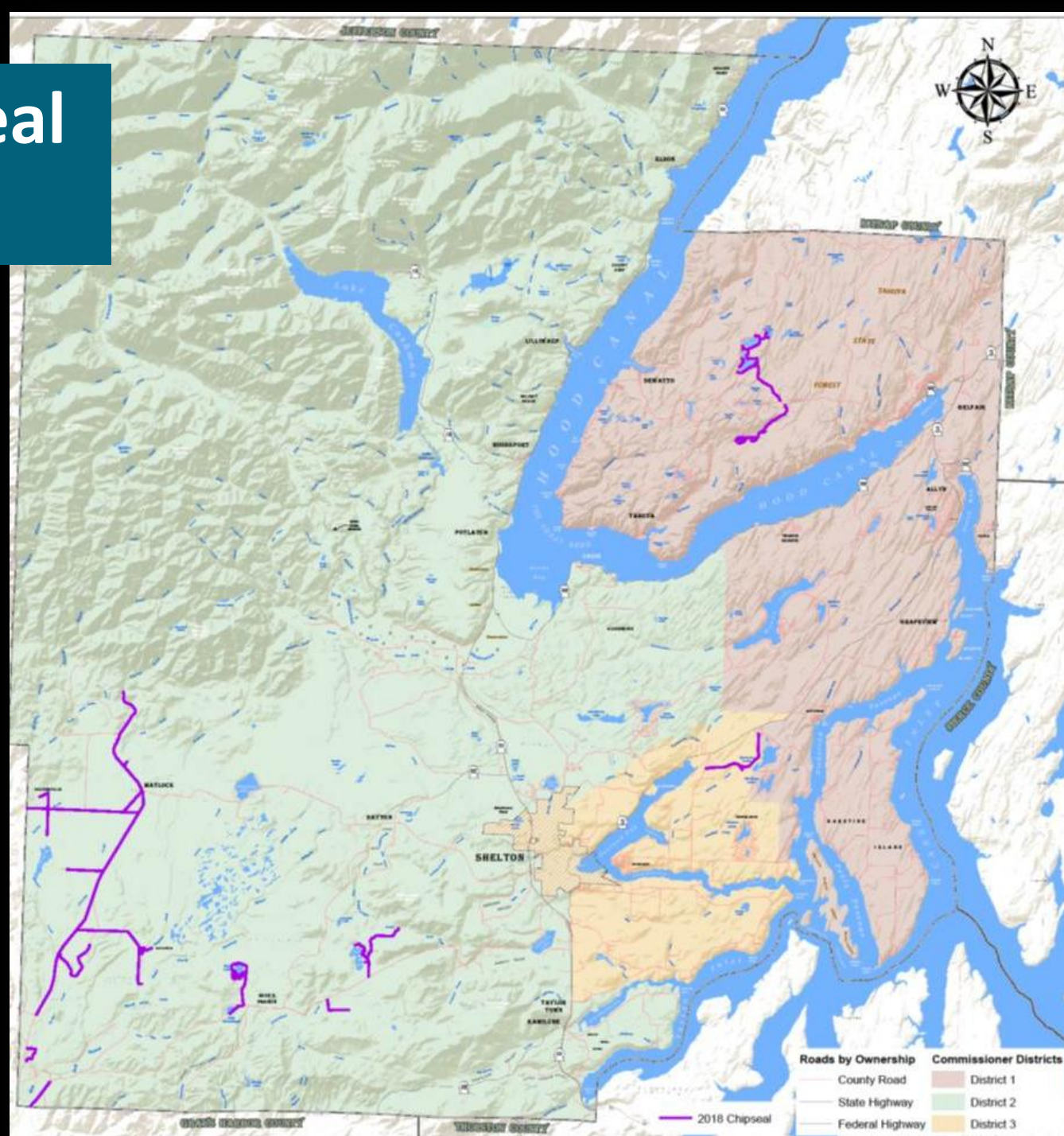
## Peninsula Regional Transportation Planning Organization (PRTPO)

# Rural Road Typical Design Section

- 12 ft Paved Lanes
- 5 ft Paved Shoulders
- 4:1 Fill Slopes
- 2:1 Cut Slopes



# 2018 Chip Seal Program



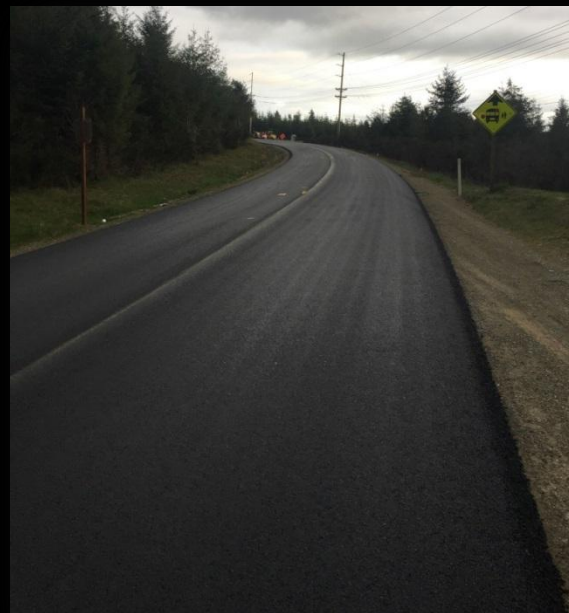
# Pavement Maintenance – Chip Seal With Neighborhood Emphasis Program

- Matlock Brady Rd
- Deckerville Rd
- Satsop Rd East
- Star Lake Dr
- Beeville Rd
- Satsop Maple Glen Dr
- Ford Loop Rd
- Buck Prairie Rd
- Loganberry Crt
- Salmonberry Dr
- Fish Hatchery Rd
- Mary M Knight Rd
- Homer Adams Dr
- Rhododendron Blvd
- Matlock Deckerville Rd
- Anderson Rd
- Satsop Dr
- Cloquallum Dr
- Kamilche Dr
- Star Point Wy
- Prairie Loop Rd
- Blakely Dr
- Fairway Dr
- Arrowhead Dr
- Frosty Ln
- Lost Lake Park Crt
- Lost Lake Park Dr
- Lost Lake View Dr
- Lost Lake Rd
- Gallagher Rd
- Spencer Lake Rd
- Woodside Pl
- Evergreen Dr
- Tahuya River Dr
- Snowcap Dr
- Rainbow Pl
- Snowcap Pl
- Forest Creek Dr
- Firwood Pl
- River Rd
- Woodview Ln
- Creekside Pl
- Steelhead Pl
- Haven Wy
- Haven Lake Dr
- Haven Ln
- Bartlett Pl
- Mountain View Dr
- Craig Sorger Ln
- Lake Christine Rd
- Park Ln
- Rhody Ln
- Lakeview Ln
- Christine Ln
- Lake Dr
- Frisken Y
- Bulb Farm Rd
- Halberg Rd
- Blueberry Ln
- Blackberry Ln

# Types of Pavement Preservation (Surfacing)



**Chip Seal Elfendahl Pass Belfair**



**Belfair  
Tahuya Road  
Belfair**

**Pavement  
Overlay**



**Pickering  
Road**

# Pavement Preservation Chip Seal vs. Hot Mix Asphalt Overlay

## Chip Seal Application



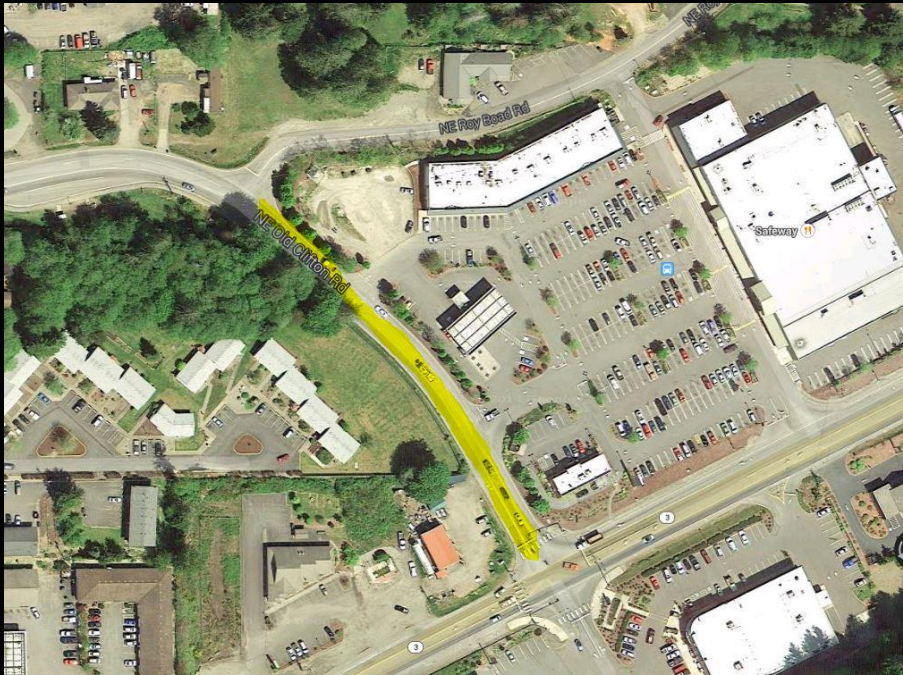
## HMA Overlay Application



<http://www.co.mason.wa.us/public-works/chip-seal-program.php>

# Past Project - Clifton Lane Sidewalk

- 450' Section of Sidewalk installed along Clifton Ln
- Connected the MTA Bus Stop to SR 3





# Past Project – Mason Benson HMA Overlay

- HMA Overlay from SR 3 to Trails Rd
- 2.5 Miles
- 2” Overlay



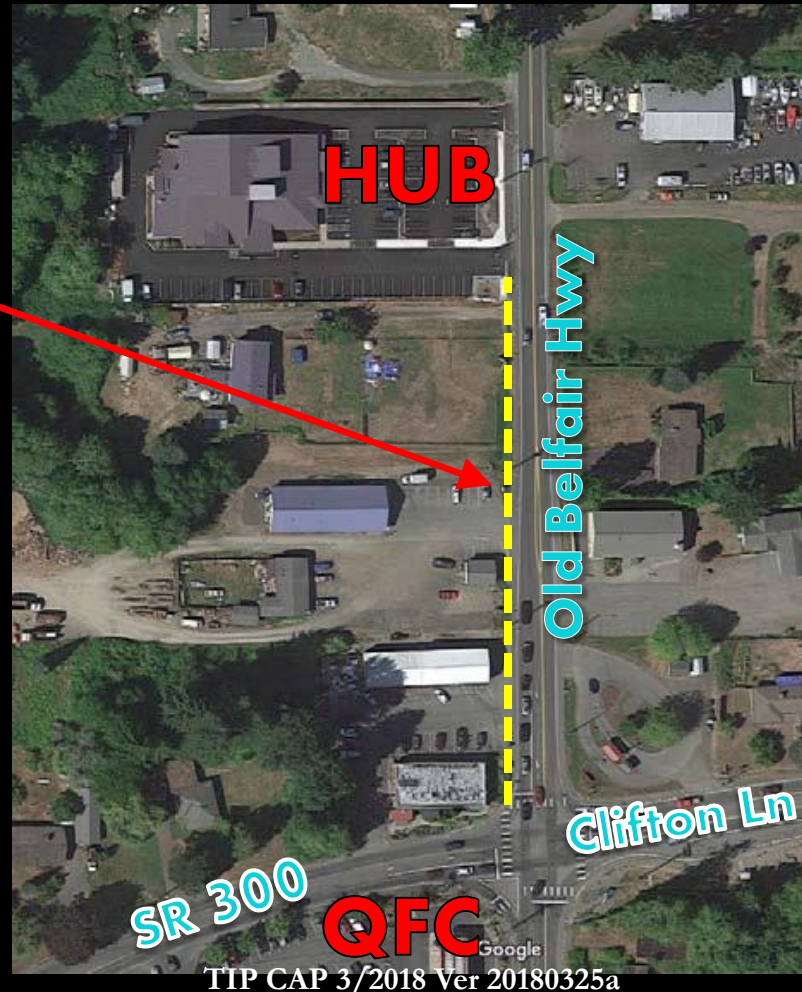
# Past Project – Little Mission Culvert

Replaced undersized culvert with 18' wide concrete box culvert on North Shore Rd

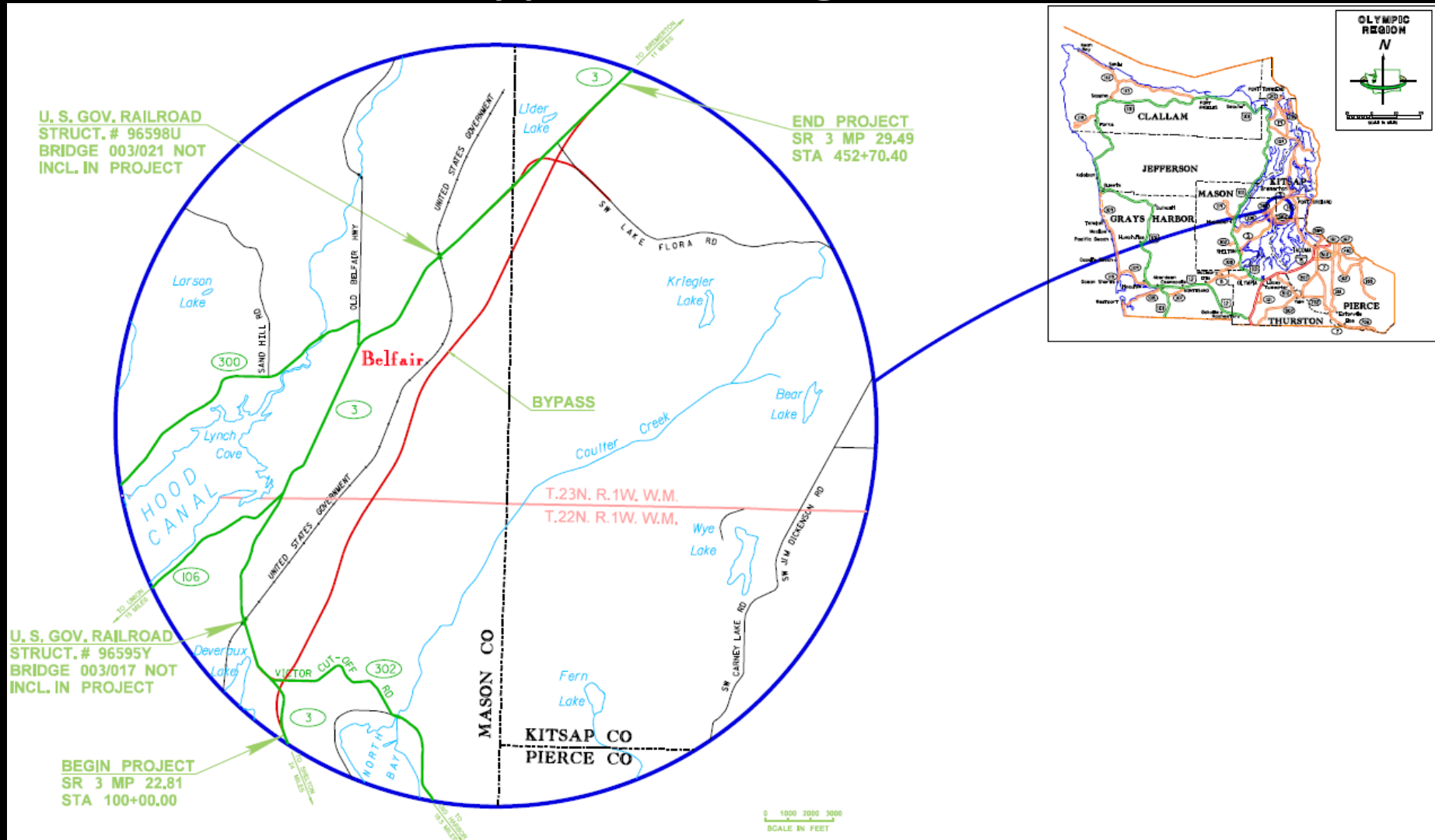


# Future Project – Old Belfair Hwy Sidewalk

New  
Sidewalk  
Location



# Future WSDOT Project – Belfair Bypass (Freight Corridor)



# Future Project?

## Belfair Bypass Connection

Romance Hill



Planned bypass alignment....

# Future Project – Trails Road Slide



- Currently monitoring the slide and maintaining the roadway cracks
- Design and Construction scheduled for 2019
- Alternate route / Rasor road to Possibly Hwy 3

# Future Projects – 2018

## Matlock Brady Road



# Future Projects - Intersection Safety

- Possible Highway Safety Improvement Program (HSIP) Grant Funding available for Intersection Safety Projects around the County

Mason Lake/  
Mason  
Benson/Trails  
Intersection



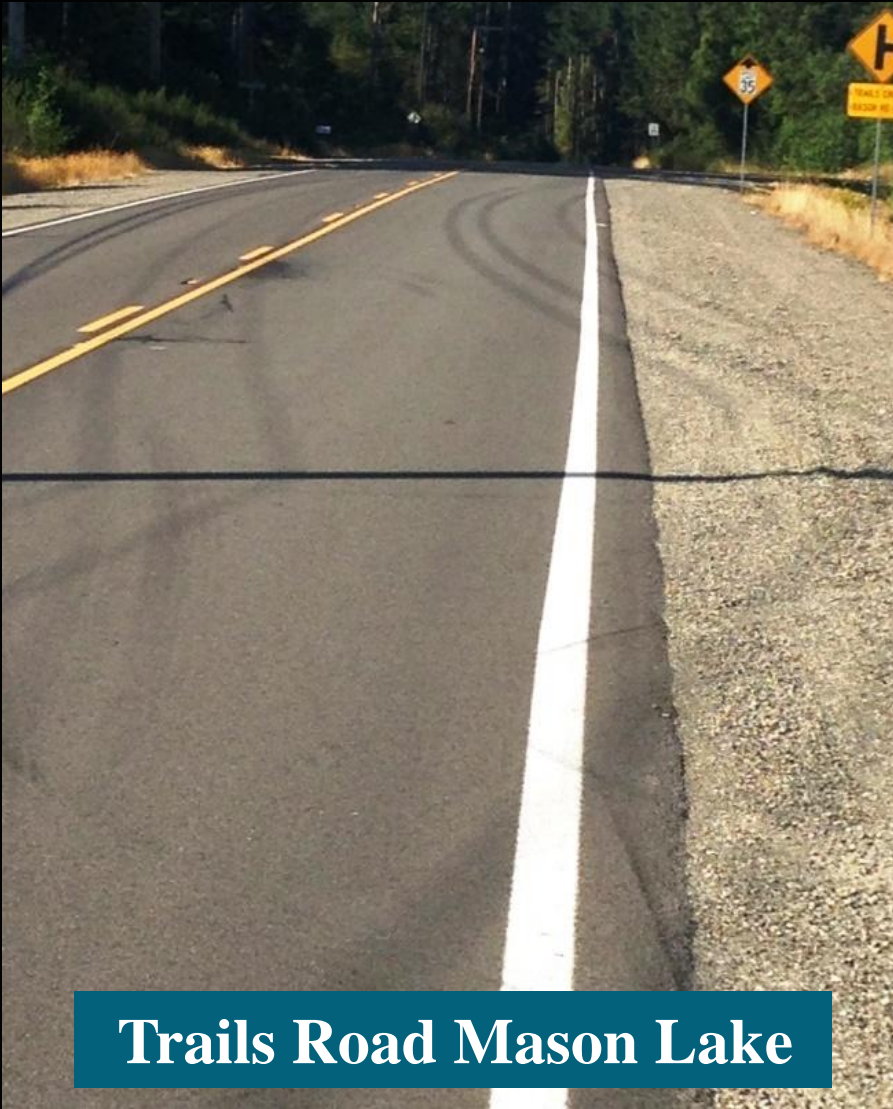


# Road Bicycle - Nice

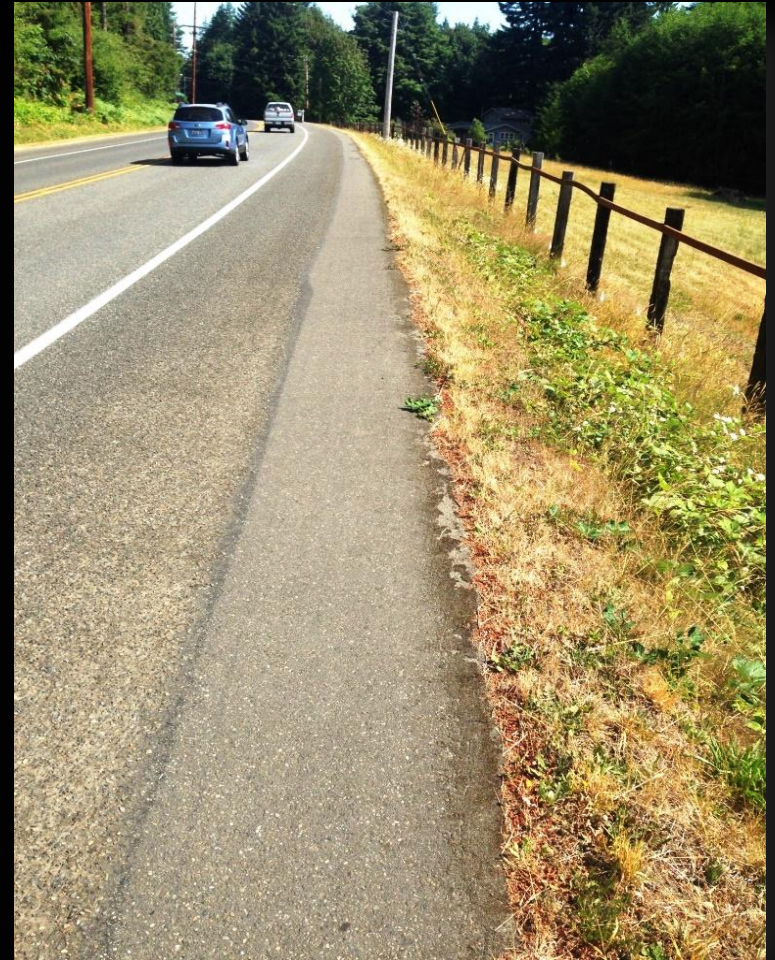


**Grapeview Loop Chipped Spring 2017 – smaller chip / seal and not chipping shoulder turned out well - Thanks**

# Road Bicycle



**Trails Road Mason Lake**



**Thurston County**

# Road Bicycle Tourism



Several road bike events a year and cross  
county riders

# Road Bicycle Tourism



**2017 MASON LAKE ROAD RACE #1**  
**Presented by Pazzo Velo Cycling**  
**Saturday - April 1, 2017 - Allyn, WA**  
**Men Category Pro / 1 / 2**  
**Finish Results**  
**USA Cycling Chief Judge - Jeff Aurand**

**# of Starters**  
**44**

*Wow*

USAC Permit #2017-4
Start Time = 2:00 PM
Race Distance 72 miles
<b>Avg. Speed of Winner</b> 26.1 mph

PLACE	BIB #	RIDERS NAME	TEAM / AFFILIATION	USAC LICENSE	RACE TIME	TIME BACK
1	14	TUBBS, Ian	Audi	111313	2:45:18	00:00
2	44	SHORT, Ryan	Monton-TM	217099	2:45:30	00:12
3	2	RICHTER, David	Metier Racing & Coffee	29781	2:46:55	01:37
4	X61	ROSS, Kent	Hosmer Chiropractic-RPM Mortgag	370153	2:46:55	01:37
5	4	SCHWARTZ, Theodore	Metier Racing & Coffee	330330	2:46:55	01:37
6	70	CUNNINGHAM, Rad	Keller Rohrback Cycling	127935	2:46:55	01:37
7	128	NYSTROM, Felipe	0	489099	2:46:55	01:37
8	267	OFARRELL, Scott	Metier Racing & Coffee	472368	2:46:55	01:37
9	47	BOOTH, Bill	Monton-TM	333350	2:46:55	01:37
10	46	OLSON, Leif	Monton-TM	360621	2:46:55	01:37
11	134	FISHER, Steve	UCI CT: Canyon Bicycles	204225	2:46:55	01:37
12	38	CROW, Josh	Seattle Cancer Care Alliance Cy	56197	2:46:55	01:37
13	20	VAUGHN, Kevin	Audi	82651	2:46:55	01:37
14	131	AUSTIN, Andrew	Hedrick Racing	316276	2:46:55	01:37
15	67	MURDIN, Michael	Garage Racing	119001	2:46:55	01:37
16	52	BROWN, Wayne	Apex Racing	316268	2:46:55	01:37
		DANG, Sun	Audi	393649	2:46:55	01:37

**230 Total participants 4 or 5 races per year**

# local roads matter!



to revitalization.

to families.

to schools.

to seniors.

to business.

to healthcare.

in times of crisis.

to trade.

to the economy.