



City of Ferndale

CITY COUNCIL STAFF REPORT

MEETING DATE: May 29, 2019

AGENDA BILL #_____

SUBJECT: **Six-Year Transportation Improvement Program 2021-2026**

DATE: **May 20, 2020**

FROM: **Kevin Renz, Public Works Director**

PRESENTATION BY: **Kevin Renz, Public Works Director**

RECOMMENDATIONS:

Staff recommends that Council adopt Six-Year Transportation Improvement Program (TIP) for the period 2021-2026.

BACKGROUND:

The City is required under RCW 35.77.010 (Perpetual advanced six-year plans for coordinated transportation program expenditures) to prepare and adopt a comprehensive transportation program for the ensuing six calendar years. Inclusion of projects on the six year list allows for funding applications as well as expenditures to occur.

It is important to note that inclusion of the Six-Year TIP does not necessarily indicate that a project will be completed within the six year period; however, a project must be included for the City to expend funds.

ANALYSIS:

RCW 35.77.010 requires that the City must adopt a revised six year transportation program before July 1st of each year. The program must then be submitted within 30 days to the Secretary of Transportation. Adoption of the TIP requires a Public Hearing, currently scheduled for June 15, 2020 for Council discussion and consideration.

With the City's major focus being the Thornton Overcrossing Project which is anticipated to consume the majority of the City's project management resources during the first two years of the planning period, the 2021-2026 TIP is substantially similar to previous years. Completed project removal and limited modifications to timeline, funding, and expenditure levels have been included.

It is anticipated that the City will be reviewing and modifying the 20-year project list included in the Transportation Element of the Comprehensive Plan (current plans attached) to reflect current City development assumptions prior to the next planning period. Development of the 20-year list will inform future versions of the six-year TIP as well as formation of the Transportation Impact Fees charged to new development within the City.

ALTERNATIVES CONSIDERED:

The alternatives considered include:

- 1) Proceed with the adoption of the Six-Year Transportation Improvement Program.

- 2) Take no action.
- 3) Direct staff to proceed in another direction.

FISCAL REVIEW: N/A

LEGAL REVIEW: N/A

CONCLUSION:

Staff recommends adoption of the 2021-2026 Six-Year Transportation Improvement Program. A public hearing and consideration will be scheduled for the June 15, 2020 Council meeting.

City of Ferndale
6-Year Transportation Improvement Program
2021-2026



Funding:

P- pending
 S- secured

Hearing Date: 6/15/2020 Adoption Date: _____
 Amend Date: n/a Resolution No: _____

Project Name	Phase Start	Cost Category	Cost Estimate	Funding Source	Funding Amount	Project Description and Notes
Douglas Road (750-ft east of S Church Rd to Imhoff Rd)						
Preliminary Engineering	TBD	Design	\$125,000.00	Federal Funds	\$0	750-ft east of S Church Rd to Imhoff Rd; reconstruct
Right-of-Way	TBD	Right-of-Way	\$300,000.00	State TIB Funds	\$0	and widen street to City standards.
Construction	TBD	Construction	\$1,625,000.00	City Funds	P \$525,000	Utilities: Storm \$175,000, Sewer \$350,000
		Construction Management	<u>\$185,000.00</u>	Other	\$0	
			<u>\$2,235,000.00</u>		<u>\$525,000</u>	
Ferndale Terrace Improvement Project						
Preliminary Engineering	2020	Design	\$510,202.00	Federal Funds	\$0	Reconstruct and widen street to City standards.
Right-of-Way	TBD	Right-of-Way	\$400,000.00	State TIB Funds	\$0	Classify as Fed Route 2020
Construction	TBD	Construction	\$2,075,000.00	City Funds	P \$975,000	TBD: \$300,000 + Utility Funds
		Construction Management	<u>\$300,000.00</u>	Other	S* \$250,000	* Dept. of Ecology grant for LID Storm design
			<u>\$3,285,202.00</u>		<u>\$1,225,000</u>	Design Contract 2019
Legoe Avenue						
Preliminary Engineering	TBD	Design	\$95,000.00	Federal Funds	\$0	Reconstruct and widen street to City standards.
Right-of-Way	TBD	Right-of-Way	\$385,000.00	State TIB Funds	\$0	Utilities: Water \$65,000, Storm \$85,000, Sewer \$90,000
Construction	TBD	Construction	\$950,000.00	City Funds	P \$240,000	
		Construction Management	<u>\$145,000.00</u>	Other	\$0	
			<u>TOTAL \$1,575,000.00</u>	<u>TOTAL</u>	<u>\$240,000</u>	
Main Street - Barrett Rd to east CL						
Preliminary Engineering	TBD	Design	\$245,000.00	Federal and/or State	\$0	Reconstruct and widen street to City standards.
Right-of-Way	TBD	Right-of-Way	\$350,000.00	TBD	\$0	Prior grant applications unsuccessful
Construction	TBD	Construction	\$2,450,000.00	Utility Funds	P \$410,000	Utilities: Storm \$410,000
		Construction Management	<u>\$365,000.00</u>	City/ Other Funds	\$0	
			<u>TOTAL \$3,410,000.00</u>	<u>TOTAL</u>	<u>\$410,000</u>	

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Project Name	Phase Start	Cost Category	Cost Estimate	Funding Source	Funding Amount	Project Description and Notes
Pavement Rehabilitation Program						
	Ongoing	Design	\$60,000.00	Federal Funds	\$0	City Wide Program
		Right-of-Way	\$0.00	State TIB Funds	\$0	
		Construction	\$300,000.00	TBD Funds	P \$360,000	
		Construction Management	\$0.00	Other	\$0	
		TOTAL	\$360,000.00	TOTAL	\$360,000	
Portal Way Corridor Including Pedestrian and Bike Improvements						
Preliminary Engineering	TBD	Design	\$125,000.00	Federal Funds	\$0	Create a consistent street standard including ped and bike improvements
Right-of-Way	TBD	Right-of-Way	\$0.00	State Ped/Bike Grant	\$0	
Construction	TBD	Construction	\$0.00	City Funds	\$0	
		Construction Management	\$0.00	Other	\$0	
		TOTAL	\$125,000.00	TOTAL	\$0	
Sidewalk Program (Repair/Replacement/New/ADA Improvement)						
	Ongoing	Design	\$10,000.00	Federal Funds	\$0	City wide program
		Right-of-Way	\$0.00	State TIB Funds	\$0	
		Construction	\$80,000.00	City Funds	S \$100,000	
		Construction Management	\$10,000.00	Other	\$0	
		TOTAL	\$100,000.00	TOTAL	\$100,000	
Signalization Upgrades Main Street						
Preliminary Engineering	1/1/2017	Design	\$50,000.00	Federal Funds	\$0	Main Street Signal Upgrades
Construction	Ongoing	Right-of-Way	\$0.00	State TIB Funds	\$0	
		Construction	\$500,000.00	City Funds	\$0	
		Construction Management	\$50,000.00	Other	\$0	
		TOTAL	\$600,000.00	TOTAL	\$0	
Slater Road Corridor						
Preliminary Engineering	TBD	Design	TBD	Federal Funds	\$0	Project includes intersection improvements both within and outside city limits.
Right-of-Way	TBD	Right-of-Way	\$0.00	State TIB Funds	\$0	
Construction	TBD	Construction	TBD	City Funds	\$0	
		Construction Management		Other	P \$20,000,000	
		TOTAL	\$0.00	TOTAL	\$20,000,000	Connecting Washington Funds (July 2019)

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6-Year Transportation Improvement Program
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Project Name	Phase Start	Cost Category	Cost Estimate	Funding Source	Funding Amount	Project Description and Notes
Thornton - Church to Maureen						
Preliminary Engineering	TBD	Design	\$60,000.00	Federal Funds	\$0	North side of road, 8-ft road widening and curb, gutter, sidewalk, and
Right-of-Way	TBD	Right-of-Way	\$0.00	State TIB Funds	\$0	storm. Existing road and south side curb, gutter and sidewalk remains.
Construction	TBD	Construction	\$1,000,000.00	City Funds P	\$625,000	Utilities: Storm \$125,000, Water \$500,000
		Construction Management	\$90,000.00	Other	\$0	
			TOTAL	\$1,150,000.00	TOTAL	\$625,000
Thornton - Vista to Malloy						
Preliminary Engineering	4/1/2020	Design	\$125,000.00	Federal Funds	\$1,095,100	Widen to match, add curb, gutter, and sidewalks and bike lanes.
Right-of-Way	TBD	Right-of-Way	\$20,000.00	State TIB Funds	\$0	2019 STBG Application \$1,095,100 Awarded
Construction	TBD	Construction	\$1,250,000.00	City Utility Funds P	\$360,000	
		Construction Management	\$185,000.00	City TBD P	\$300,000	Utilities: Water \$60,000, Storm \$100,000, Sewer \$200,000
			TOTAL	\$1,580,000.00	TOTAL	\$1,755,100
Thornton Railroad Overcrossing w/Connector to 2nd Ave. Roundabout						
Preliminary Engineering	5/1/2016	Design	\$1,865,000.00	Federal Funds	\$0	Bridge over BNSF tracks with connector to 2nd Ave. Roundabout.
Right-of-Way	8/1/2017	Right-of-Way	\$1,000,000.00	State TIB funds S	\$2,500,000	TIB Grant Secured
Construction	2020-2023	Construction	\$15,000,000.00	City Funds P	\$0	Anticipate Utility, TBD, TIF, REET
		Construction Management	\$2,705,000.00	* Other S	\$19,167,000	Connecting Washington funds
			TOTAL	\$20,570,000.00	TOTAL	\$21,667,000
Malloy Culvert						
TS&L	8/1/2020	Design	TBD	Federal Funds	\$0	Box culvert north of Malloy Village/Terrace: Primarily stormwater project
Preliminary Engineering	TBD	Right-of-Way	TBD	State TIB funds	\$0	Widen roadway and include bike and ped facilities
Right-of-Way	TBD	Construction	TBD	City Funds	\$0	
Construction	TBD	Construction Management	TBD		\$0	
			TOTAL	\$0.00	TOTAL	\$0

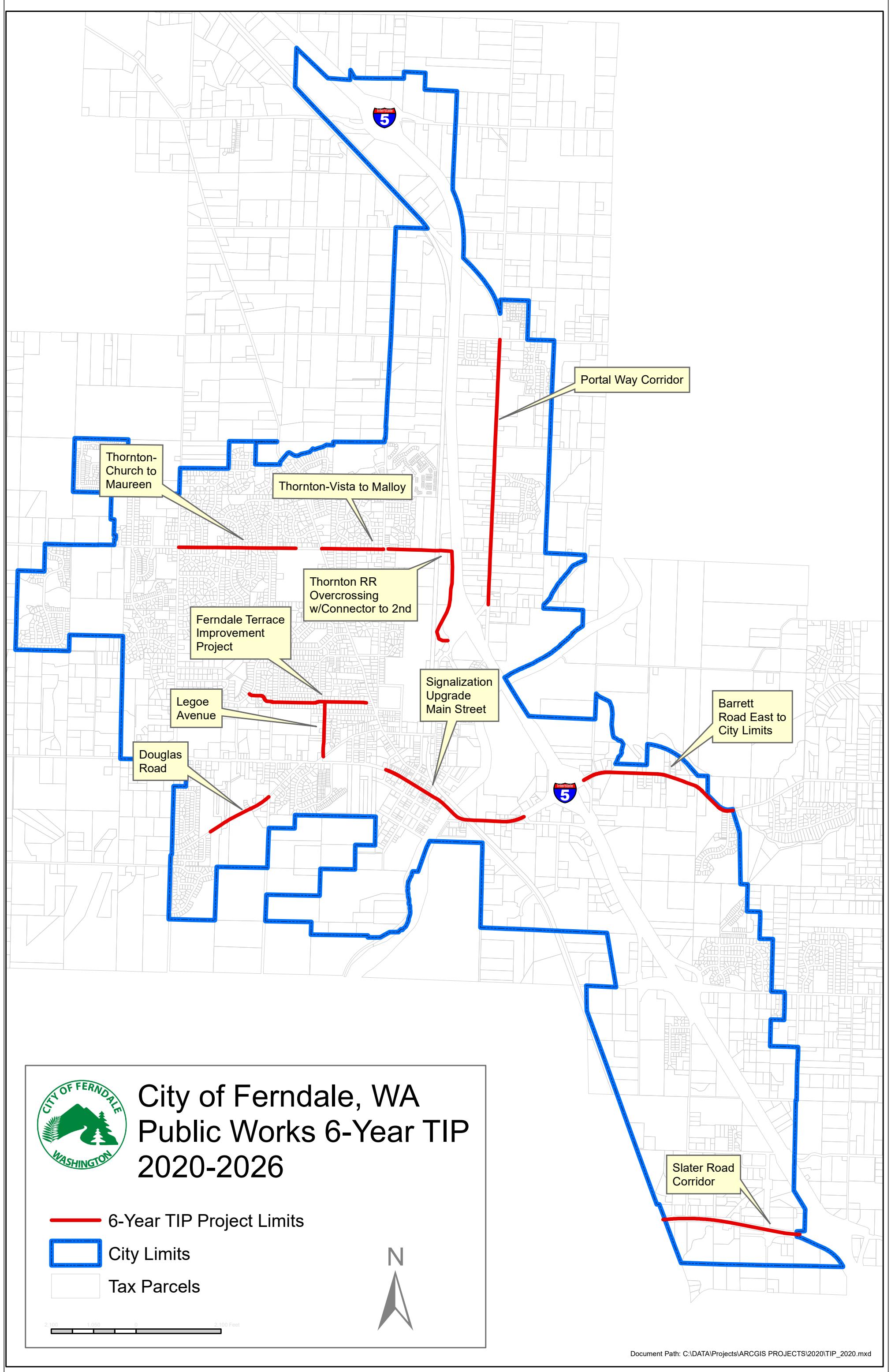


Table 6. Transportation Improvement Projects and Programs

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Project Group	Project ID	Project Name	Project Limits	Project Description	2016 Cost Estimate	Relative Priority	Time Frame	Project Justification			
								Capacity	Safety	Road Standards & Preservation	Area Circulation
INTERSECTION / OPERATIONS	I-1	Washington Street / Vista Drive	Intersection	One larger roundabout or two compact roundabouts at Washington Street and Vista Drive	\$3,470,000	High	Mid	X	X		
	I-2	Portal Way / N Enterprise Street / Destiny Street	Intersection	Remove south leg of Portal Way and improve alignment into Destiny Street / N Enterprise Street intersection	\$1,370,000	Low	Long	X	X		
	I-3A	Main Street / Hovander Drive	Intersection	Restrict northbound left-turns	\$20,000	Medium	Mid		X		
	I-3B	Main Street / Hovander Drive	Intersection	Install partial signal to provide phase for westbound left-turns	\$480,000	Medium	Mid		X		
	I-4	Main Street / Labounty Drive	Intersection	Construct 2 lane roundabout, including NB and EB slip lanes and two southbound approach lanes.	\$1,690,000	High	Mid	X	X		
	I-5	Smith Road / Labounty Drive	Intersection	Construct single lane roundabout	\$630,000	High	Mid	X	X		
	I-6	Smith Road / Barrett Road	Intersection	Construct 2 lane roundabout	\$1,060,000	Low	Long	X	X		
	I-7	Portal Way / I-5 NB Ramps	Intersection	Construct single lane roundabout	\$630,000	High	Short	X	X		
	I-8	Thornton Road / Malloy Avenue	Intersection	Construct single lane roundabout	\$4,500,000	High	Long	X	X		
	I-9	Walgreens Driveway / Main Street	Intersection	Construct 2 lane roundabout	\$2,100,000	High	Mid	X	X		
	I-10	Slater Road / Rural Avenue	Intersection	Maintain as signalized intersection. Extend westbound left-turn and northbound right-turn lanes.	\$270,000	High	Mid	X	X		
	I-11	Labounty Drive / Nordic Way	Intersection	Signalize intersection	\$660,000	High	Mid	X	X		
	I-12	Main Street / Barrett Road	Intersection	Signalize intersection or construct roundabout	\$660,000	Low	Long	X	X		
	I-13	Church Road / Thornton Road	Intersection	Dig out and repave to repair failing driving surface and install ADA ramps on all corners of intersection	\$330,000	High	Short	X	X	X	
	I-14	Slater Road / Pacific Highway	Intersection	Construct 1 lane roundabout	\$840,000	High	Mid	X	X		
	I-15	Main Street / SE Connector Road	Intersection	Construct 1 to 2 lane roundabout with EB and NB right turn lanes	\$1,300,000	High	Mid	X	X		
	I-16	Barrett Road / SE Connector Road	Intersection	Construct 1 lane roundabout	\$690,000	High	Mid	X	X		

Table 6. Transportation Improvement Projects and Programs (continued)

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Project Group	Project ID	Project Name	Project Limits	Project Description	2016 Cost Estimate	Relative Priority	Time Frame	Project Justification			
								Capacity	Safety	Road Standards & Preservation	Area Circulation
WIDENING / RECONSTRUCTION	R-1	Thornton Road	Church Road to Maureen Drive	North side of road, 8-ft wide road widening and curb, gutter, sidewalk and storm. Existing road and south side curb, gutter and sidewalk remains.	\$1,880,000	High	Long		X	X	
	R-2	Washington Street	Vista Drive to 2nd Ave	Reconstruct and widen to meet City standards, including utilities	\$3,220,000	Medium	Mid	X		X	X
	R-3	Portal Way	I-5 NB to Trigg Rd	Reconstruct and widen to meet City standards, including utilities	\$14,370,000	High	Long	X		X	X
	R-4	Thornton Street	Vista Drive to Malloy Ave	Reconstruct and widen to meet City standards, including utilities	\$1,480,000	High	Long		X	X	
	R-5	Legoe Avenue Improvement	Washington to Ferndale Terrace	Reconstruct and widen to meet City standards, including utilities. Realign southern end of roadway.	\$3,070,000	Medium	Mid		X	X	
	R-6	LaBounty Drive	Seahawk to Sunset	Reconstruct and widen to meet City standards, including utilities	\$7,020,000	Low	Mid		X	X	
	R-7A	Ferndale Terrace	Vista Drive to Birch Drive	Reconstruct and widen to meet City standards, including utilities	\$2,830,000	Low	Mid		X	X	
	R-7B	Ferndale Terrace	Birch Drive to Shannon Ave	Reconstruct and widen to meet City standards, including utilities	\$3,740,000	Low	Mid		X	X	
	R-8	Main Street	Barrett Road to east City limits	Reconstruct and widen to meet City standards, including utilities	\$8,010,000	High	Mid	X	X		
	R-9	Barrett Road	Smith Road to north City limits	Reconstruct and widen to meet City standards, including utilities and sidewalk on one side of the street	\$13,010,000	High	Mid	X	X	X	
	R-10	LaBounty Drive	Main Street to Smith Road	Reconstruct and widen to meet City standards, including utilities and sidewalk on one side of the street	\$13,320,000	High	Mid	X	X	X	
	R-11	Douglas Road	750-ft east of S Church Rd to Imhoff Rd	Reconstruct and widen to meet City standards, including utilities and culvert	\$4,520,000	High	Short		X	X	
	R-12	Washington Street	Legoe Ave to Vista Drive	Dig out and repave to repair failing driving surface	\$2,270,000	High	Short		X	X	
NEW ROADWAYS	R-13A	Main Street Signal Improvements - Short Term	Labounty Dr to Douglas Rd	Separate left-turn loop detectors, implement traffic signal cabinet and controller upgrades, and expand/upgrade interconnect system	\$110,000	High	Short	X			
	R-13B	Main Street Signal Improvements - Long Term	Labounty Dr to Douglas Rd	Implement an Adaptive Signal Control system	\$400,000	High	Long	X			
	N-1A	Thornton Street / Newkirk Road Grade Separation	Malloy Ave to Portal Way	Construct bridge over BNSF RR tracks	\$22,400,000	High	Long	X			X
	N-1B	Thornton Street / Newkirk Road Grade Separation	Malloy Ave to Portal Way	Extend bridge over I-5 with connector to 2nd Avenue roundabout	\$18,400,000	Low	Long	X			X

Table 6. Transportation Improvement Projects and Programs

Project Group	Project ID	Project Name	Project Limits	Project Description	2016 Cost Estimate	Relative Priority	Time Frame	Project Justification			
								Capacity	Safety	Road Standards & Preservation	Area Circulation
OTHER AGENCY IMPROVEMENTS	O-1	Grandview Road (SR 548) / Vista Drive Intersection	Intersection	Signalization of intersection with construction of eastbound and westbound left-turn lanes on Grandview Road or construct a single lane roundabout	\$1,150,000	Medium	Mid		X		X
	O-2	Grandview Road (SR 548) / Portal Way Intersection	Intersection	Widen all intersection approaches to provide dedicated left-turn lanes. Revise traffic signal operations to operate left-turn movements with protected/committed phasing	\$790,000	Low	Long		X		X
	O-3	Grandview Road (SR 548) / I-5 NB & SB Ramp Intersections	Intersection	Signalization of intersection with construction of turn lanes on Grandview Road	\$1,450,000	High	Short	X	X		X
	O-4	Main Street / I-5 SB Ramps	Intersection	Construct 2 to 3 lane roundabout. Widen SB on and off ramps. Provide SB turn slip lane	\$1,310,000	High	Mid	X	X		
	O-5	Main Street / I-5 NB Ramps	Intersection	Realign and widen Barrett Road to develop 2 to 3 lane roundabout intersection with Main Street and I-5 NB ramps, with 2 NB from Barrett Road, 2 SB from I-5 off ramp, 2 NB, 3 EB and 3 WB approach lanes.	\$4,320,000	High	Mid	X	X		
	O-6	Main Street / I-5 Overpass Widening	Interchange	Widen to five lane section	\$18,820,000	High	Mid	X	X		
	O-7	Northwest Drive / Axton Road	Intersection	Signalize intersection or construct roundabout	\$570,000	Low	Long	X	X		
	O-8	Northwest Drive / Smith Road	Intersection	Signalize intersection or construct roundabout	\$570,000	Low	Long	X	X		
	O-9	Slater Road / Imhoff Road	Intersection	Upgrade with turn lanes and install traffic signal when warranted	\$830,000	Low	Long	X	X		
	O-10	Slater Road / Ferndale Road	Intersection	Upgrade with turn lanes and install traffic signal when warranted	\$950,000	Low	Long	X	X		
	O-11	Slater Road / Northwest Road	Intersection	Upgrade with turn lanes and install traffic signal when warranted	\$1,060,000	Low	Long	X	X		
	O-12	Slater Road / Nooksack River Bridge	Nooksack River	Rehabilitation or replacement	\$7,720,000	Low	Mid		X	X	
	O-13	Slater Road / I-5 SB Ramps	Intersection	Construct 1 lane roundabout with EB right turn slip lane (or alternative improvement identified by WSDOT)	\$1,480,000	High	Mid	X	X		
	O-14	Slater Road / I-5 NB Ramps	Intersection	Construct 1 to 2 lane roundabout (or alternative improvement identified by WSDOT)	\$960,000	High	Mid	X	X		
CITYWIDE PROGRAMS	C-1	Sidewalk Program	City-wide	Repair, replace, and construct new sidewalks. Construct a concrete path between B&G Club and sports complex	\$2,750,000	High	Ongoing		X	X	X
	C-2	Pavement Rehabilitation Program	City-wide	City-wide program	\$5,500,000	High	Ongoing			X	