



March 24, 2020

STAFF REPORT

TO: Pierce County Planning Commission
CONTACT: Brian D. Stacy, P.E., County Engineer *Stacy Head for BDS*
SUBJECT: Pierce County "2020-2025 Transportation Improvement Program (TIP)"

DESCRIPTION OF PROPOSAL: The approved 2020-2025 Transportation Improvement Program (TIP), the 2020 Annual Road Program, and the Fourteen-Year Ferry Program are planning and programming documents prepared by Pierce County Planning & Public Works that identify the scope, timing, and funding for public road projects including corridor studies, new construction, signalization, drainage, road widening, lane additions, channelization, rail crossings, and bridge construction.

ACTION REQUESTED OF THE COMMISSION:

1. Recommendation to the County Council to adopt the proposed amendments to the 2020-2025 TIP, the 2020 Annual Road Program, and the Fourteen-Year Ferry Program as presented in Exhibit A (attachment).

OBJECTIVES OF THE PROPOSAL:

1. To amend the 2020-2025 TIP, the 2020 Annual Road Program, and the Fourteen-Year Ferry Program to meet legal requirements associated with the programs to assure Pierce County has available current plans for a coordinated transportation improvement effort that includes all projects regardless of the availability of funding.

LEGAL STANDARDS FOR APPROVAL:

1. Pursuant to RCW 36.81 and 36.54, the 2020-2025 Six-Year TIP, the 2020 Annual Road Program, and the Fourteen-Year Ferry Program have been legally adopted by the Pierce County Council.
2. Pursuant to RCW 36.70.520, the Planning Commission is to review the proposed amendments to 2020-2025 Six-Year TIP, the 2020 Annual Road Program, and the Fourteen-Year Ferry Program and make recommendations to the County Council concerning these amendments in accordance with RCW 36.81 and 36.54.

SUBJECT: Pierce County Planning & Public Works “2020-2025 Transportation Improvement Program”.

PUBLIC HEARING DATE: March 24, 2020

ISSUES AND ANALYSIS:

1. Environmental Documentation

Pursuant to WAC 197-11-704, adoption of the 2020-2025 TIP, 2020 Annual Road Program, and the Fourteen-Year Ferry Program is a non-project action. Pursuant to WAC 197-11-800 (15) and (19) [SEPA Rules, Part Nine, Categorical Exceptions], the 2020-2025 TIP is Categorically Exempt from threshold determination and further environmental documentation. Individual projects listed in these programs will undergo project-specific environmental review

2. Potential Benefits of the Proposal

Promote and maintain the health, safety, and welfare of the residents of Pierce County by providing, maintaining, and enhancing public roads, bridges, drainage, rail crossings, and facilities in Pierce County.

- **136th Street East** is listed as a “High” priority project in the Adopted Pierce County Comprehensive Plan and South-Hill Community Plan. This project is critical to the completion of an existing gap in the sidewalk on the north side of 136th Street East.
- **112th Street East** is listed as a priority in the Adopted Pierce County Comprehensive Plan and Mid-County Community Plan to improve non-motorized facilities, access, and pedestrian and bicycle improvements. These lighting improvements will help provide a safe operating transportation system for all users.
- **Anderson Island Ferry Landing** is listed as a priority in the Adopted Pierce County Comprehensive Plan to preserve, refurbish, and replace the County’s ferry docks and landings to accommodate both motor vehicles and passengers. This project will resurface and restore ferry vehicle loading lanes and parking lot. The work will involve planing, paving, slurry coat, striping, illumination, landscaping, and non-motorized facilities.
- **Bridge Deck Rehabilitation** replaces the existing asphalt concrete deck with a polyester concrete overlay at three (3) locations. The three (3) locations include, Bridge #12173-B on 304th Street East, Bridge #17173-A on 16th Avenue South, and Bridge #33206-A on Sumner Buckley Highway East. The 304th Street East Bridge is listed separately as a “Medium” priority project in the Adopted Pierce County Comprehensive Plan and Graham Community Plan to preserve and rehabilitate. The Comprehensive Plan does not list the other two (2) locations, Bridge #17173-A on 16th Avenue South and Bridge #33206-A on Sumner Buckley Highway East separately. The Comprehensive Plan has a general directive to preserve the existing roadways and bridges within the County’s Transportation System that includes both Bridge #17173-A on 16th Avenue South and Bridge #33206-A on Sumner Buckley Highway East .

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NOTICE:

A notice of public hearing before the Pierce County Planning Commission was advertised on March 10, 2020, in the “The News Tribune”. This notice meets the requirements for providing public notice under RCW 36.70.

COMMISSION ACTION:

The Planning Commission may recommend that the County Council:04

1. **Approve**, or
2. **Approve with Modifications**, or
2. **Reject**, any of the amendments, in whole, or in part, based upon findings as to the relationship with applicable provisions of the Pierce County Comprehensive Plan.



Planning and Public Works

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136 ST E (94 Av E to 97 Av E), CRP 5921

Background: This project was identified as a need to fill the pedestrian network gap along the north side of 136 St E. Project need was discussed in both the 2019 Safe Routes to School Plan as well as the Transportation Element of the Comprehensive Plan, thus funding was pursued as part of the 2019 TIB Urban Sidewalk Program grant competition. The project has received grant funding.

Problem: The Pedestrian network on the north side of 136 St E has a gap that needs to be filled to complete the network.

Solution Strategy: Construct curb, gutter, and sidewalk to fill the pedestrian network gap.

Funding Source: The project will be funded with County Road Funds (CRF) \$280,000 and the Transportation Improvement Board (TIB) Urban Sidewalk Program (USP) will fund the remaining \$425,000. Construction is anticipated to begin in 2022.

Cost Estimate: \$705,000

Project Duration: 2020-2022 (estimated).



(136 ST E, Looking Northeast)





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BRIDGE DECK REHABILITATION, CRP 5864

Background: This project was previously in the TIP as resurfacing the Lacamas Creek Bridge deck only. The project has been renamed and combined with 2 other bridge decks that need refurbishing. It was determined that combining these would be more competitive for securing grant funding.

Problem: The bridge decks of Lacamas Creek Bridge, So. Fork Muck Creek (304 St) Bridge and Dingle Basin Bridge all need restoring and resurfacing.

Solution Strategy: Replace the asphalt decks with a polyester concrete overlay.

Funding Source: The project will be funded with County Road Funds (CRF) \$169,000 and the Federal Local Bridge Program fund (BP) \$1,068,000. Construction is anticipated to begin in 2022 (If construction can begin before Dec 2022 BR will fund at 100%, with no local match requirement.)

Cost Estimate: \$1,237,000

Project Duration: 2022 (estimated).



(So. Fork Creek Bridge, Looking West)





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ANDERSON ISLAND FERRY LANDING – PARKING AND LOADING LANES, 6936

Background: The Anderson Island Ferry Landing – Parking and Loading Lanes, are an important component of the Pierce County Ferry system serving travelers who need to get to and from Anderson Island.

Problem: The pavement surface is showing evidence of wear, including asphalt flushing and transverse, alligator, and longitudinal cracks.

Solution Strategy: This project will prevent further deterioration by resurfacing and restoring the loading lanes and parking area. Roadway preservation methods are the most cost-effective means of ensuring our transportation facilities continue to function properly.

Funding Source: The project will be funded with County Road Funds (CRF) \$260,000 and the Ferry Boat Discretionary Fund (FBD) will fund the remaining \$630,000. Construction is anticipated to begin in 2021.

Cost Estimate: \$890,000

Project Duration: 2020-2022 (estimated).



(Anderson Island Ferry Landing – Parking and Loading Lanes , Looking North)



Exhibit “A”

ANDERSON ISLAND FERRY LANDING - PARKING AND LOADING LANES - EXHIBIT "A"

2020-2025 TRANSPORTATION IMPROVEMENT PROGRAM

FERRY PROJECTS



Pierce County
Planning and Public Works

Project Title: ANDERSON ISLAND FERRY LANDING - PARKING AND LOADING LANES	Project Phase	Prior Expend.	2020 ANNUAL PROGRAM				2020 Total	2021 Future Allocation				2022 Future Allocation				2023-2025 Future Allocation				2020 - 2025 TOTAL
			Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
			Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Limits: - Park and Ride and Loading Lanes Scope Description: - Resurface and restore ferry vehicle loading lanes and parking lot. The work will involve planing, paving, slurry coat, striping, illumination, landscaping, and non-motorized facilities. Other project information: Priority Group: FRY Work Class: 5 CRP: 6936 Est. Total Cost: 890 Map ID: 744 Fully Funded: Yes Map Page No.: 2 Council District: 6 Length (miles): N/A Elements: T	PE		15 FF	65 FBP														80		
	FE						15 CRF	65 FBP											80	
	ROW																			
	CON						115 CRF	250 FBP			115 CRF	250 FBP							730	
	Total			15	65			130	315			115	250						890	
							445				365									

BRIDGE DECK REHABILITATION - EXHIBIT "A"

2020-2025 TRANSPORTATION IMPROVEMENT PROGRAM

ROAD PROJECTS



	Project Phase	Prior Expend.	2020 ANNUAL PROGRAM				2020 Total	2021 Future Allocation				2022 Future Allocation				2023-2025 Future Allocation				2020 - 2025 TOTAL
			Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
			Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Project Title: BR #12173-B / 304 ST E BRIDGE DECK REHABILITATION <u>Limits:</u> - At South Fork Muck-Creek BR#12173-B 304 St E / BR#17173-A 16 Av S / BR#33206-A Sumner Buckley Hy E <u>Scope Description:</u> - Replace asphalt deck with polyester concrete overlay. <u>Other project information:</u> Priority Group: BR Work Class: 4 CRP: 5864 Est. Total Cost: 380-1,237 Map ID: 695 Fully Funded: Yes Map Page No.: 3,5 Council District: 3 Length (miles): N/A Elements: D,L	PE	42																		
	FE		20 CRF 22 CRF	142 BRS															20 164	
	ROW																			
	CON		340 CRF 105 CRF	674 BRS			2 CRF 40 CRF	252 BRS			2 CRF								342 1,071	
	Total	42	360 127	816			2 40	252			2								362 1,237	
							2 292				2									

REGIONAL TRAIL SUPPORT - EXHIBIT "A"

2020-2025 TRANSPORTATION IMPROVEMENT PROGRAM

ROAD PROJECTS



Pierce County
Planning and Public Works

	Project Phase	Prior Expend.	2020 ANNUAL PROGRAM				2020 Total	2021 Future Allocation				2022 Future Allocation				2023-2025 Future Allocation				2020 - 2025 TOTAL
			Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
			Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Project Title: REGIONAL TRAIL SUPPORT	PE																			
Limits: - Various locations	FE	171	25 CRF			25	25 CRF				25 CRF				75 CRF				150	
Scope Description: - Engineering, surveying, and permitting support for the development-of-the Pipeline Trail and other regional trails. Trail segments to be selected in consultation with the Parks and Recreation Services Department.	ROW	168	125 CRF			125	125 CRF				125 CRF				375 CRF				750	
Other project information: Priority Group: MPGM Work Class: 1 CRP: 5805 Est. Total Cost: 1,550 Map ID: Not on Map Fully Funded: Yes Map Page No.: N/A Council District: Length (miles): N/A Elements: N,U	CON	209	50 CRF			50	50 CRF												100	
	Total	548	200			200	200				150				450				1,000	
							200				150				450					

112 ST E ILLUMINATION - EXHIBIT "A"

2020-2025 TRANSPORTATION IMPROVEMENT PROGRAM

ROAD PROJECTS



Pierce County
Planning and Public Works

	Project Phase	Prior Expend.	2020 ANNUAL PROGRAM					2021 Future Allocation				2022 Future Allocation				2023-2025 Future Allocation				2020 - 2025 TOTAL
			Revenue Sources in \$1,000's				2020 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
			Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Project Title: 112 ST E ILLUMINATION	PE																			
Limits: - 58 Av to Woodland Av E	FE		4 CRF			4	4 CRF												8	
Scope Description: - Street illumination using utility pole retrofits and new pole installations. Replace existing luminaires with low energy LED luminaires.	ROW																			
Other project information: Priority Group: TSIP Work Class: 6 CRP: 5844 Est. Total Cost: 464 Map ID: 676 Fully Funded: Yes Map Page No.: 5 Council District: 5 Length (miles): 0.78 Elements: J	CON	209	124 CRF			124	123 CRF												247	
	Total	209	128			128	127	127											255	

136 ST E - EXHIBIT "A"

2020-2025 TRANSPORTATION IMPROVEMENT PROGRAM

ROAD PROJECTS



Pierce County
Planning and Public Works

Project Title: 136 ST E	Project Phase	Prior Expend.	2020 ANNUAL PROGRAM				2020 Total	2021 Future Allocation				2022 Future Allocation				2023-2025 Future Allocation				2020 - 2025 TOTAL
			Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
			Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Limits: - 94 Av E to 97 Av E Scope Description: - Construct curb, gutter, and sidewalk to fill pedestrian network gap along north side of 136 St E. Other project information: Priority Group: ER-U Work Class: 1 CRP: 5921 Est. Total Cost: 705 Map ID: 751 Fully Funded: Yes Map Page No.: 5 Council District: 1 Length (miles): 0.23 Elements: F,G	PE		24 CRF		56 PSMP													80		
	FE						23 CRF			37 PSMP		25 CRF						85		
	ROW																			
	CON											206 CRF		332 PSMP		2 CRF		540		
	Total			24		56		23			37		231		332		2		705	
							60				563				2					