Draft 2019-2024 Six-Year Transportation Improvement Plan

Briefing to BOCC, 10/01/18 presentation by Jefferson County Public Works

Monte Reinders, PE Public Works Director County Engineer
Eric Kuzma Engineering Services Manager Asst. Public Works Director
Wendy Clark-Getzin, PE Transportation Planner
Purpose

Publicly make available a county-wide programmatic plan for not less than 6 years for a coordinated transportation system based on a realistic assessment of the availability of funds to Jefferson County Public Works.
Required

Adopted with a Public Hearing and Annual Construction Program
Priorities Considered
How Funding is Anticipated; Secured or Planned
Consistent with Comprehensive Plan and Policies
Non-Motorized Transportation Included
Regionally Significant Projects Identified
Project Array
Include Bridges and Other Transportation Facilities Conditions Report
Influence

Funding Types, Predictability and Readiness
Condition of Infrastructure, Soils, Fish Passages
Local Funding Leverage and Sufficiency
Rising Maintenance Costs
Loss of Federal Lands Timber Revenue
Retaining a Roads Fund Reserve
Urban Growth Area
Public Input
What should get done in the 6 next years
Past Accomplishment

**Upper Hoh Road, MP 7.89 to 7.95**
Emergency Road Repair

Reconstructed a damaged 300-ft. road section with drainage infrastructure, pavement and guardrail to permanently repair a November 2017 washout.

Completion: October, 2018
Total Funding $373,889
  - State (RAP-ER) $336,500
  - Local $37,389
Past Accomplishment

**Dosewallips Road, MP 1.60 - 1.75**
Permanent Road Repair
2018-2023 Adopted TIP
TIP Priority Array #1

Reconstructed a damaged 0.15 mile road section with curbs, drainage infrastructure and guardrail to permanently repair a landslide.

Substantial Completion: May, 2018
Total Funding $160,000
State (RAP) $141,000
Local $15,700
Past Accomplishment

West Uncas Road Bridge Construction
Salmon Creek
2018-2023 Adopted TIP
TIP Priority Array #5

Corrected deteriorated culvert on a Summer Chum stream. In-water work completed August 2018. Anticipated Substantial completion, December 2018

Total Cost = $1,175,918
SRFB (state) = $934,272
NFPP (fed) = $126,000
Local = $115,646
Past Accomplishment

Olympic Discovery Trail
South Discovery Bay – Segment B to Larry Scott Trail
2018 – 2023 Adopted TIP
TIP Priority Array #6

Planning and Pre-design Phase to select a preferred alignment and prepare a Right-of-Way Plan. Milestone complete, December 2018

Total RCO Funds = $1,000,000
### TIP Priority Array 2019 - 2024

Top 7 projects with secured funding.
Three pending projects ready for the Legislative Session.

<table>
<thead>
<tr>
<th>TIP PROJECT NO.</th>
<th>PROJECT IDENTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Road Log Number - Bridge Number</strong></td>
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<tr>
<td><strong>B. Beginning and End Milepost</strong></td>
<td></td>
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<tr>
<td><strong>C. Project / Road Name</strong></td>
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<tr>
<td><strong>D. Description of Work</strong></td>
<td></td>
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<tr>
<td><strong>E. Total Cost (incl. prior/future)</strong></td>
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<tr>
<td><strong>91420</strong></td>
<td><strong>Upper Hoh Road Phase 2 - FLAP Project</strong></td>
</tr>
<tr>
<td>1</td>
<td>Matching funds for infrastructure protection projects performed by Western Federal Lands division of FHWA.</td>
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<tr>
<td></td>
<td>Total = $13,966,000 M (FFY2013 Federal Lands Access Program funds)</td>
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<tr>
<td><strong>US 101 &amp; multiple county roads</strong></td>
<td><strong>Quilcene Complete Streets - Phase 1</strong></td>
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<td>Total = $884,165</td>
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<tr>
<td><strong>60150</strong></td>
<td><strong>South Discovery Road Pavement Preservation</strong></td>
</tr>
<tr>
<td>3</td>
<td>2R Project (Resurface &amp; Restore): Pavement preservation project to preserve the roadway structure, improve ride quality and safety.</td>
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<tr>
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<td>Total = $500,000</td>
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<tr>
<td><strong>850200</strong></td>
<td><strong>ODY - Discovery Bay to Larry Scott Trail Connection</strong></td>
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<tr>
<td>4</td>
<td>Complete a preferred route report, begin PS&amp;E development, SEPA, and right-of-way appraisal and acquisition.</td>
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<td>Total = $1,000,000 (Planning and Right of Way)</td>
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<td><strong>151009</strong></td>
<td><strong>Undi Road Bypass - FLAP Project</strong></td>
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<td>5</td>
<td>Matching funds for preservation project performed by Western Federal Lands division of FHWA to preserve access to ONP and ONF.</td>
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<td></td>
<td>Total = $2,001,815 (FFY 2016 Federal Lands Access Program funds)</td>
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<tr>
<td><strong>93150</strong></td>
<td><strong>Quilcene Center Rd Rebuild</strong></td>
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<td>6</td>
<td>2R Project (Resurface &amp; Restore): Project will remove and replace multiple layers of deteriorating asphalt pavement.</td>
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<td>Total = $710,000</td>
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<tr>
<td><strong>91420</strong></td>
<td><strong>Upper Hoh Road Pavement Preservation - FLAP project</strong></td>
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<tr>
<td>7</td>
<td>Pavement preservation and safety improvements along entire length of county road to Olympic National Park Boundary/Hoh Rain Forest.</td>
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<td>Total = $1,975,673 (2018 Federal Lands Access Program + RAP funds)</td>
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### Pending Legislative Approval of Program Funding Staff Recommended

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<tr>
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<th>Milepost</th>
<th>Total Cost</th>
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<tr>
<td><strong>41870</strong></td>
<td><strong>Thorndyke Road Culvert Replacement - Thorndyke Creek</strong></td>
<td><strong>MP 4.71</strong></td>
<td>$1,808,313</td>
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<td>11</td>
<td>Replace culverts at Thorndyke Creek with fish-passable crossings.</td>
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<td><strong>Planning and Restoration</strong></td>
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<tr>
<td><strong>51410</strong></td>
<td><strong>West Valley Road Culvert Replacement - Naylors Creek</strong></td>
<td><strong>MP 2.59</strong> and <strong>MP 1.82</strong></td>
<td>$1,098,850</td>
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<tr>
<td>12</td>
<td>Replace culverts at Naylors Creek with fish-passable crossings.</td>
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<tr>
<td></td>
<td><strong>Planning and Restoration</strong></td>
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<tr>
<td><strong>63710</strong></td>
<td><strong>Cedar Avenue &amp; Ness' Corner Rd (SR 116) Ped-Bike</strong></td>
<td><strong>MP 0.00 - 0.36</strong></td>
<td>$858,490</td>
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<td>13</td>
<td>&quot;Safe Routes to School&quot; project includes pedbike safety improvements including installation of sidewalks, crosswalks, bike lanes, &amp; RRFB.</td>
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<td></td>
<td><strong>Planning and Restoration</strong></td>
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Note: The projects marked with **MP 4.71**, **MP 2.59**, and **MP 0.00** are those mentioned in the highlighted text. The rest are additional projects that could be added to the priority array if funding is secured.
By Project Category
example projects with secured and anticipated funding in 2019

**Road & Intersection Improvements**
Upper Hoh Road Resurfacing Preservation
South Discovery Road Pavement Preservation
Quilcene Center Road Pavement Preservation
Undi Rd Bypass FLAP Project

**Culvert & Bridge Replacement/Repair**
Thorndyke Road Culverts Replacement
West Valley Road Culvert Replacement
Gibbs Lake Road Culvert Replacement

**Non-Motorized Transportation**
Quilcene Complete Streets Phase 1, and
ODT – Connection, Planning + ROW
Cedar Avenue Pedestrian Bike Improvements

**Engineering Assessments & Countywide Programs**
Bridge Load Rating Assessment
Oil City Road Engineering Assessment
2019-2024 Six-Year TIP
By Project Category

- Non-Motorized Transportation: $5,717,168 (36%)
- Culvert & Bridge Replacement: $5,182,163 (33%)
- Road & Intersection Improvements: $4,670,600 (29%)
- Engineering Assessments & Countywide Programs: $338,700 (2%)

Total: $11,908,231
2019-2024 Six Year TIP Funding
By Revenue Source, (total $,%)
2019-2024 Six-Year County Road Fund Projections
% Average Annual Road Fund Revenue Used on Capital Projects

Average Annual Road Fund Revenue = $5,436,461
Updated
Bridge Condition Report

Jefferson County Master Inventory
Total # of Bridges with Federal Inspection = 32
Total # of Permanently Closed Bridges = 2
Total # of Active Bridges = 34 incl. pedestrian
Total # of West County bridges = 19 active and 1 permanently closed
Total # of East County bridges = 13 active and 1 permanently closed

2013 FHWA Mandate
Specialized Hauling Vehicle (SHV) class will require new load ratings on 22 active bridges and potential new postings by Dec. 31, 2022.
BoCC Agenda proposed for Public Hearing Notice October 8 Adoption November 5

Questions

Wendy Clark-Getzin, PE
360-385-9160
pubworks@co.jefferson.wa.us