

**Lewis County Public Works
Proposed Six-Year TIP
(Transportation Improvement Program)
2023 - 2028**



Six-Year Transportation Improvement Program 2023-2028

PURPOSE:

- Develop Lewis County's future transportation improvement programs and projects
- Provide a comprehensive transportation program for the ensuing six calendar years

REQUIREMENT:

- Revised Code of Washington 36.81.121
- Washington Administrative Code 136-15-050
- File TIP with County Road Administration Board and the State Secretary of Transportation



Project Selection Criteria

- **Accident History** (1-10 possible points)
 - County maintains records on all accidents that occur on the County road system.
- **Constructability and Permits** (1-10 possible points)
 - Land acquisition needs (costs) along with state and federal permit requirements.
- **Pavement Rating System** (1-10 possible points)
 - Data maintained on all County roads.
- **Maintenance Offset** (1-5 possible points)
 - Estimated project benefit offsetting on-going maintenance expense.
- **Traffic Counts** (1-10 possible points)
 - Average Daily Traffic – a measure of probable use and congestion.
- **Support by Other Plans** (1-5 possible points)
 - Does the project have connection to other state, federal or local plans?
- **Supplemental Funding** (1-10 possible points)
 - Does the project qualify for supplemental state or federal funding?
- **Geographic Equity** (1-5 possible points)
 - Is the project located to provide geographic equity within the County?

Project Selection



TIP Evaluation Process:

- Review previous TIP
- Selection criteria applied to all new candidate project (existing project scores reanalyzed every 3 years)
- Analyze project feasibility
- Adjust projects based on individual merits and budget constraints

TIP Finalization:

- Presentation of preliminary TIP to communities and decision makers
- Adjust the TIP based on public response and budgeting constraints
- Proposal submitted to the Board of County Commissioners for a Public Hearing action in November of each year

Funding Sources

The following is a list of some funding sources Lewis County utilizes for the road fund:

- Property Tax \$1.557801 per \$1,000 of assessed valuation (2022)
- Motor vehicle fuel tax
- Federal and State Funding Programs
 - BRAC (Bridge Replacement Advisory Committee)
 - STP (Surface Transportation Program)
 - RAP (Rural Arterial Program)
 - CAPP (County Arterial Preservation Program)
 - ER (Emergency Relief)
 - FEMA (Federal Emergency Management Agency)
 - TIA (Transportation Improvement Account)
 - SRFB (Salmon Recovery Funding Board)
 - FLAP (Federal Lands Access Program)
 - .09 (Distressed County Funds)

2022 Projects

- Centralia Alpha Road Culvert
- Crumb Road Culvert
- Salzer Valley Road Slide Repair
- Garrard Creek Road Scour (incidental repair)
- Guerrier Road Paving
- Countywide Misc. Safety & Guardrail
 - Newaukum Valley Road
 - Ceres Hill Road
- Chip Seal Program ≈ 112 miles
 - Town of Pe Ell
 - City of Vader

Centralia Alpha MP 15.79 Culvert



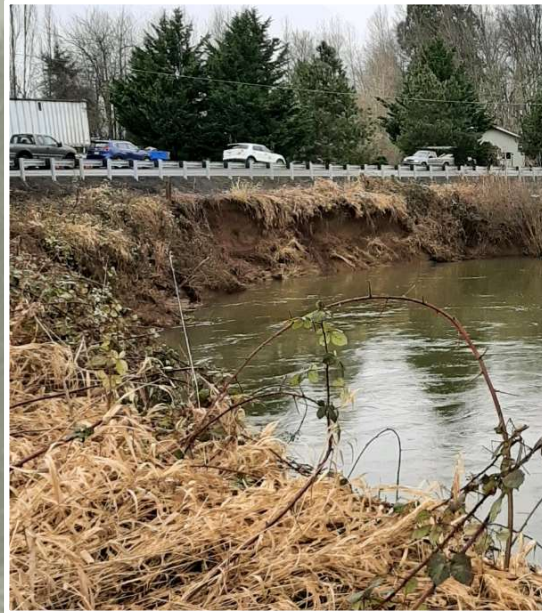
Preliminary 2023-2028 Six-Year TIP

Construction Budget: 2023 Season = \$17.65 Million

Construction Budget: Six-Year TIP = \$123.06 Million

DEPOT AND CAFE' - CHEHALIS - WASH.

PRIORITY NO. 1: COUNTYWIDE BRIDGE/ROAD BANK PROTECTION



Proposed Sites:

- King MP 12.26 Bridge Scour
- Sargent MP 1.33 Bridge Scour
- Senn MP 0.89 Bridge Scour
- Wildwood MP 10.14 Bridge Scour
- Garrard Creek Scour Repair (MP 2.75-2.81)
- Shorey Bank Stabilization (MP 0.598 - 0.618)

Shorey Road Bank Stabilization

Road Number: Various
TIP Ranking:

Priority Array Score:
Beginning Milepost:
Ending Milepost:
Total Mileage:

Project Timeline:
 PE: 2023-2028
 ROW: 2023-2028
 CONS: 2023-2028

Existing Conditions:

Proposed Conditions:

Lane Widths:
Shoulder Widths:
Traffic Count:
3 year accident History:

Lane Widths:
Shoulder Widths

Property:
Injuries:
Fatalities:

Basis for Project: Countywide bank protection on various roads and bridges.

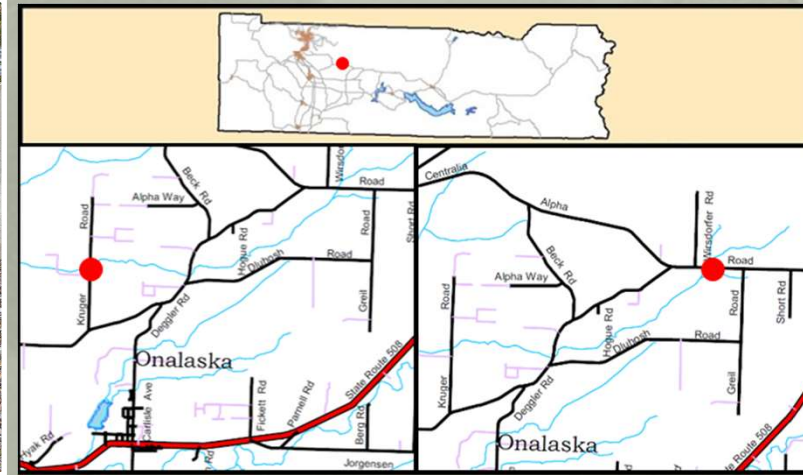
Non-Capital Improvement Projects

Funding:

Local: \$1,056,571 (6 yr.)/\$554,230 – 2023
 BRAC: \$4,118,235 (6 yr.)/\$791,810 – 2023
 ER: \$2,118,625 (6 yr.)/\$2,118,625 – 2023
Total Funding: \$7,293,431

PRIORITY NO. 2: COUNTYWIDE CULVERT REPLACEMENT

Fish Passage and County Maintenance



Snyder Road Culvert

Road Number: Various
TIP Ranking:

Priority Array Score:
Beginning Milepost:
Ending Milepost:
Total Mileage:

Project Timeline:
 PE: 2023-2028
 ROW: 2023
 CONS: 2023-2024

Existing Conditions:

Proposed Conditions:

Lane Widths:
Shoulder Widths:
Traffic Count:
3 year accident History:
Property: 0
Injuries: 0
Fatalities: 0

Lane Widths:
Shoulder Widths:

Basis for Project: Countywide removal and replacement of barrier culverts, provide stream enhancements for fish passage, and replacement of maintenance culverts.

Proposed Sites:

Kruger Road, MP 1.20

Lucas Creek Road MP 4.24

Logan Hill Road MP 0.103

Lucas Creek Road MP 4.39

Non-Capital Improvement Projects

Funding:

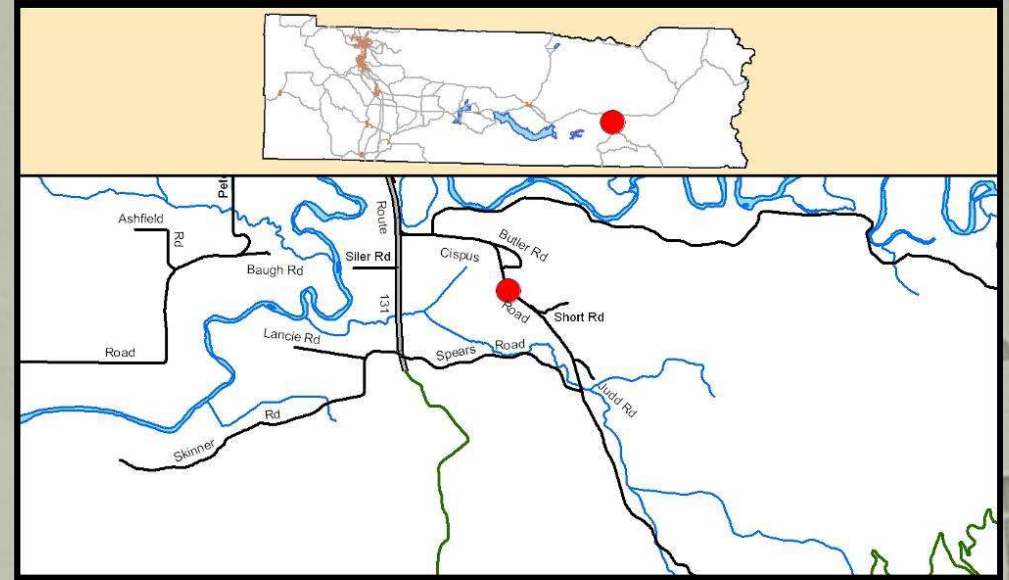
Local: \$264,160 (6 yr.)/\$151,926 – 2023

Fed/State: \$5,940,802 (6 yr.)/\$198,074 – 2023

FBRB = Fish Barrier Removal Board, SRFB = Salmon Recovery Funding Board

Total Funding: \$6,204,962

PRIORITY NO. 3: FEDERAL FOREST ROAD IMPROVEMENTS



Road Number:

TIP Ranking:

Priority Array Score:

Beginning Milepost:

Ending Milepost:

Total Mileage:

Project Timeline:

PE: 2023-2028

ROW:

CONS: 2023-2028

Existing Conditions:

Proposed Conditions:

Lane Widths:

Lane Widths:

Shoulder Widths

Shoulder Widths

Traffic Count:

3 year accident History:

Property:

Injuries:

Fatalities:

Basis for Project: Maintenance improvements to access Federal Forest lands.

Proposed Projects:

–Covel Creek Culvert

(Pending Forest Service Right-of-way Acquisition)

–Pavement Repair/Preservation on Federal Forest Roads

Non-Capital Improvement Projects

Funding:

Local: \$600,000 (6 yr.)/\$100,000 – 2023

Total Funding: \$600,000

PRIORITY NO. 4: FEMA REPAIR PROJECTS



Road Number:

TIP Ranking:

Priority Array Score:

Beginning Milepost:

Ending Milepost:

Total Mileage:

Existing Conditions:

Lane Widths:

Shoulder Widths

Traffic Count:

3 year accident History:

Property:

Injuries:

Fatalities:

Basis for Project: Emergency repair projects on various roads caused by declared natural disasters.

Project Timeline:

PE: 2023-2026

ROW: 2023-2025

CONS: 2023-2026

Proposed Conditions:

Lane Widths:

Shoulder Widths

Proposed Projects:

- Rogers Road
- Carr Road
- Pigeon Springs Road
- Jones Road
- Spencer Road
- Brim Road
- Burnett Road
- Meade Hill Road
- Independence Road
- Evans Road
- Rosebrook Road

Non-Capital Improvement Projects

Funding:

Local: \$2,272,277 (6 yr.)/\$211,406 – 2023

DEM: \$2,272,277 (6 yr.)/\$211,406 – 2023

FEMA: \$13,633,664 (6 yr.)/\$1,268,438 – 2023

Total Funding: \$18,178,219

PRIORITY NO. 5: PREVENTATIVE BRIDGE MAINTENANCE



Hining Road MP 0.23



Galvin Road MP 1.23



Galvin Road MP 1.55

Road Number: Various
TIP Ranking:

Priority Array Score:
Beginning Milepost:
Ending Milepost:
Total Mileage:

Existing Conditions:

Lane Widths:
Shoulder Widths:
Traffic Count:
3 year accident History:

Property:
Injuries:
Fatalities:

Basis for Project: Rusting and exposed rebar due to spalling & failing concrete patches. Bridges are in need of a thin deck concrete overlay due to deterioration of the decks.

Project Timeline:
 PE: 2023-2024
 ROW:
 CONS: 2023-2025

Proposed Conditions:

Lane Widths:
Shoulder Widths

Proposed Sites:

- Hining Road MP 0.23
- Galvin Road MP 1.23
- Galvin Road MP 1.55

Non-Capital Improvement Projects

Funding:

Local: \$106,790 (6 yr.)/\$54,000 – 2023

BRAC: \$4,991,400 (6 yr.)/\$346,000 – 2023

Total Funding: \$5,098,190

PRIORITY NO. 6: COUNTYWIDE 3R PROGRAM



Proposed 2021:

Chip Seal

Aspen Ln
 Beaver Crk
 Black Rd
 Butter Creek Ln
 Claquato
 Clevenger
 Coal Creek Dr
 Cottonwood Dr
 Cottonwood Ln
 Cowlitz View Dr
 Deerfield Pl
 Elizabeth Pl
 Elm View
 Evergreen Ct
 Ferrier
 Forest Napavine E
 Front E
 Hazel Dr
 Hemlock Ln
 Highland Valley
 Hogue
 Howe E

Hubbard Rd
 Jack Fir Ct E
 Jack Fir Ct W
 Johnson Creek
 Kahout
 Kennedy
 King
 Klasey
 Lamprecht
 Lester
 Leudinghaus
 Lost Valley
 Maple Ct
 Maple Pl
 Maple Way
 Mayfield Ct.
 McLaughlin
 McLaughlin
 Middle Fork
 Mineral Creek
 Mineral S
 Moon Hill
 Murray
 Nikula

Portal St
 Raymond Pl
 Reinseth
 Riverside Dr
 Round Tree
 Ruby Pl
 Scheuber S
 Shady Ln
 Shawnee Tri
 Sherwood Ct
 Sherwood Ln
 Silver Ct
 Skinner
 Stearns
 Tatoosh Trl
 Timber Trl
 Trails End
 Tucker
 Tunnel Ln
 Walters
 Wapsala
 Water St.
 Winters
 Woodard

Cement Treated Base

Anderson
 Baugh
 Bennett
 Blue
 Bremgartner
 Camus
 Cline
 Dluhosh
 Evans
 Falls
 Fircrest
 Hadaller
 Hamilton
 Howe
 Joppish
 Kahout

Leroy
 Mineral Hill
 Muller
 Peters
 Ploegman
 Roundtop
 Rupp
 Short
 Urquhart
 Walhaupt

Hot Mix Asphalt

Pigeon Springs Road
 Barnes Drive
 County Bridge
 Approach Repairs

Road Number:
TIP Ranking:

Priority Array Score:
Beginning Milepost:
Ending Milepost:
Total Mileage:

Project Timeline:
 PE: 2023-2028
 ROW: : 2023-2028
 CONS: : 2023-2028

Existing Conditions:

Proposed Conditions:

Lane Widths:
Shoulder Widths
Traffic Count:

Lane Widths:
Shoulder Widths

3 year accident History:

Property:
Injuries:
Fatalities:

Basis for Project: Yearly Program – Base stabilization, chip-sealing, and hot mix asphalt overlays.

Funding:

Local: \$3,242,180 (6 yr.)/\$2,239,280 – 2023

CAPP: \$2,659,320 (6 yr.)/\$443,220 – 2023

RAP: \$2,488,500 (6 yr.)/\$157.500 – 2023

Total Funding: \$8,390,000

PRIORITY NO. 7: COUNTYWIDE PATHS & TRAILS



Road Number: Various

TIP Ranking:

Priority Array Score:

Beginning Milepost:

Ending Milepost:

Total Mileage:

Project Timeline:

PE: 2023-2028

ROW: 2023-2028

CONS: 2023-2028

Existing Conditions:

Proposed Conditions:

Lane Widths:

Shoulder Widths

Traffic Count:

3 year accident History:

Property:

Injuries:

Fatalities:

Basis for Project: Countywide design, maintenance, and construction of trails and pathways.

COUNTYWIDE

Proposed Sites:

Swofford Pedestrian Improvements

Maintaining Existing Trails

Mineral Sidewalks

47.30.050

Expenditures for paths and trails—Minimum amount.

(1) The amount expended by a city, town, or county as authorized by RCW 47.30.030 shall never in any one fiscal year be less than 0.42 percent of the total amount of funds received from the motor vehicle fund.

Funding:

Local: \$255,000 (6 yr.)/\$155,000 - 2023

Total Funding: \$255,000

PRIORITY NO. 8: COUNTYWIDE EMERGENT CONSTRUCTION PROJECTS



Road Number: Various

TIP Ranking:

Priority Array Score:

Beginning Milepost:

Ending Milepost:

Total Mileage:

Project Timeline:
 PE: 2023-2028
 ROW: 2023-2028
 CONS: 2023-2028

Existing Conditions:

Proposed Conditions:

Lane Widths:

Shoulder Widths:

Traffic Count:

3 year accident History:

Property:

Injuries:

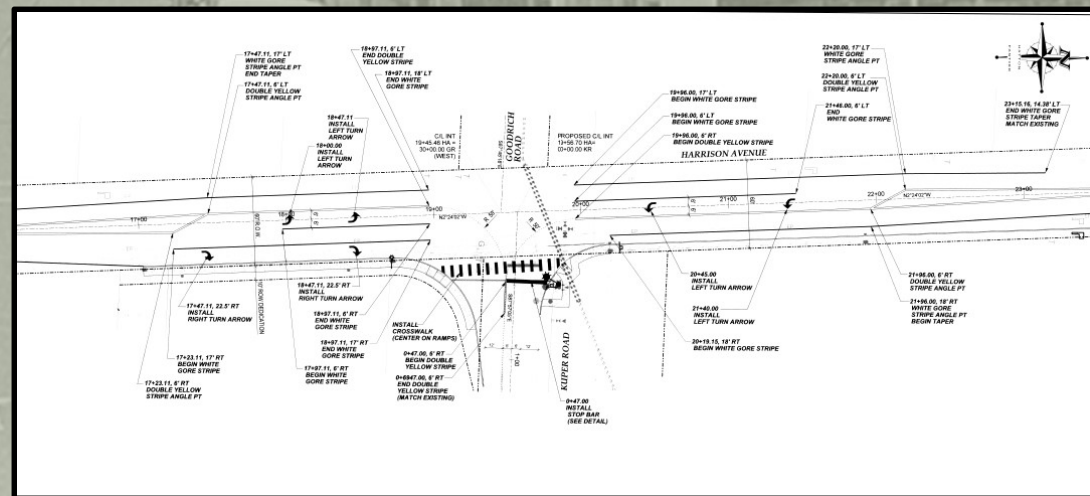
Fatalities:

Basis for Project: Countywide projects that are necessitated by sudden and unanticipated development, growth, access needs, or legal decisions.

Funding:

Local: \$1,800,000 (6 yr.)/\$300,000 - 2023

Total Funding: \$1,800,000



PRIORITY NO. 9: COUNTYWIDE MISC SAFETY & GUARDRAIL



Road Number: Various

TIP Ranking:

Priority Array Score:

Beginning Milepost:

Ending Milepost:

Total Mileage:

Project Timeline:

PE: 2023-2028

ROW: 2023-2028

CONS: 2023-2028

Existing Conditions:

Proposed Conditions:

Lane Widths:

Shoulder Widths

Traffic Count:

3 year accident History:

Property:

Injuries:

Fatalities:

Basis for Project: Yearly program – Perform various safety projects as needed and install guardrail at necessary locations.

Proposed 2023 Guardrail Sites:

Accident Repair

Storm Damage Repair

Proposed 2023 Safety:

Recessed Pavement Marker Replacements

Flexible Guide Posts

Intersection Safety Improvements

Right-of-way Purchase

Slope Flattening

Funding:

Local: \$1,800,000 (6 yr.)/\$300,000 - 2023

Total Funding: \$1,800,000

PRIORITY NO. 10: 2021 COUNTY SAFETY IMPROVEMENT PROGRAM



Road Number: Various Roads

TIP Ranking:

Priority Array Score:

Beginning Milepost:

Ending Milepost:

Total Mileage:

Project Timeline:

PE: 2023

ROW:

CONS: 2023

Existing Conditions:

Proposed Conditions:

Lane Widths:

Lane Widths:

Shoulder Widths:

Shoulder Widths

Traffic Count:

3 year accident History:

Property: 0

Injuries: 0

Fatalities: 0

Basis for Project: Safety improvements on roadways identified in the County's Local Road Safety Plan.

Proposed Roads:

Centralia Alpha Road
Independence Road
Swofford Road

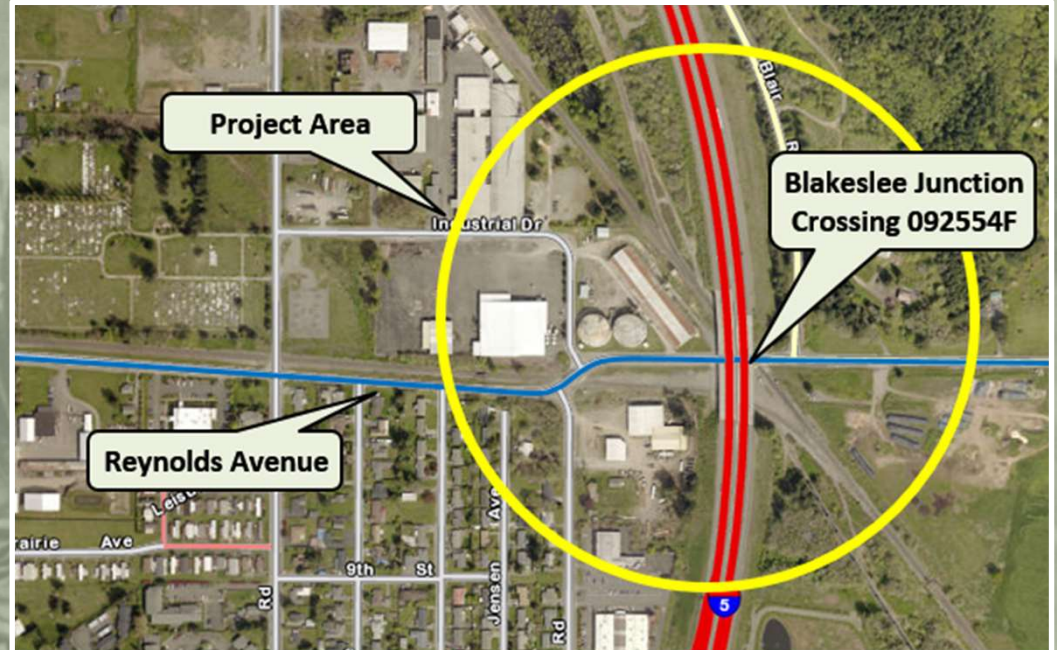
Funding:

Local: \$0 (6 yr.)/\$0 - 2023

HSIP: \$869,000 (6 yr.)/\$869,000 – 2023

Total Funding: \$869,000

PRIORITY NO. 11: RAILROAD SWITCH UPGRADES



City of Centralia is a partner on this project and will provide 50% of the local matching requirement.

Road Number: N/A
TIP Ranking:

Priority Array Score:
Beginning Milepost:
Ending Milepost:
Total Mileage:

Project Timeline:
 PE: 2023
 ROW:
 CONS: 2023

Existing Conditions:

Proposed Conditions:

Lane Widths:
Shoulder Widths:
Traffic Count:

Lane Widths:
Shoulder Widths

3 year accident History:

Property: 0
Injuries: 0
Fatalities: 0

Basis for Project: Project will upgrade two manual railroad turnouts on the WRL to Dual-Tone, Multi-Frequency power switches.

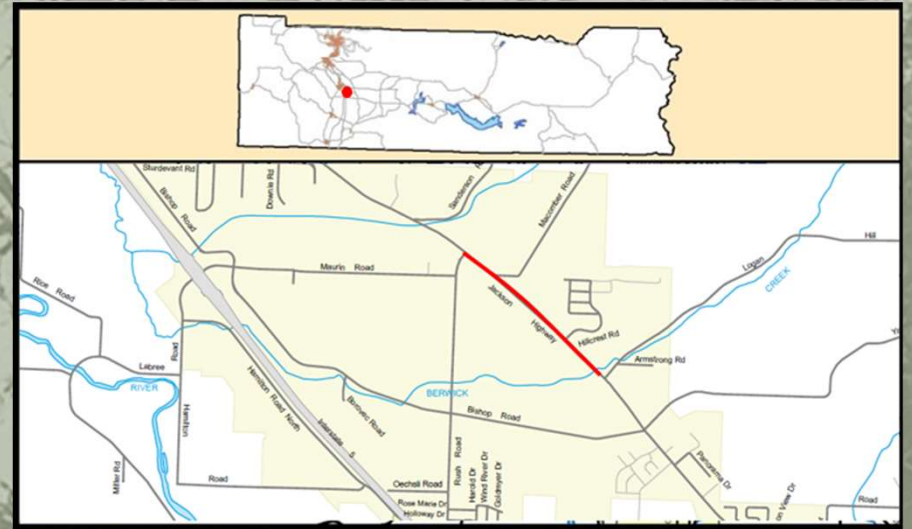
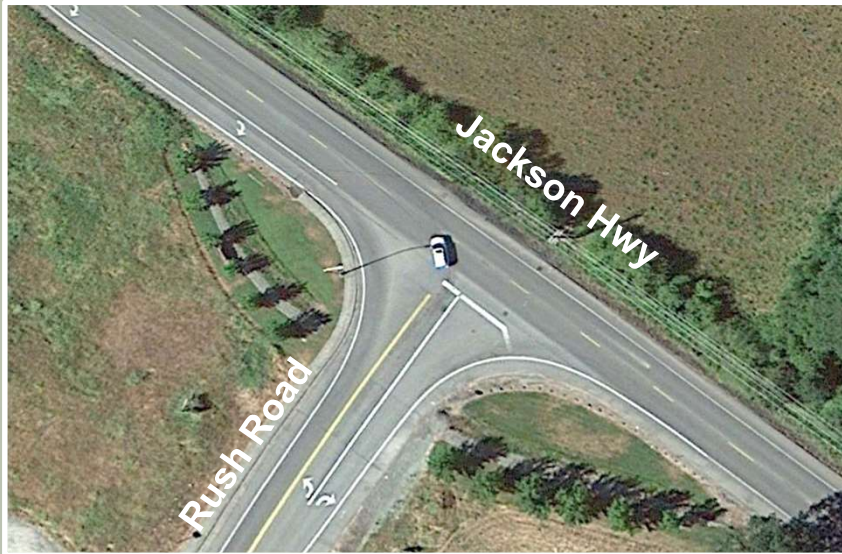
Funding:

Local: \$34,711 (6 yr.)/\$34,711 - 2023

NHFP: \$216,000 (6 yr.)/\$216,000 – 2023

Total Funding: \$250,711

PRIORITY NO. 12: JACKSON HWY TURN LANE



Add left-turn lane on Jackson Hwy to Rush Road

Road Number: 94000
TIP Ranking:

Priority Array Score:
Beginning Milepost: 2.20
Ending Milepost: 2.80
Total Mileage: 0.60

Project Timeline:
 PE:
 ROW:
 CONS: 2023

Existing Conditions:

Proposed Conditions:

Lane Widths: 11
Shoulder Widths: 7
Traffic Count: 4,700
3 year accident History:

Lane Widths:
Shoulder Widths:

Property: 2
Injuries: 1
Fatalities: 0

Basis for Project: Add left-turn lane on Jackson Hwy to Rush Road, and add two-way left-turn lane along developer site frontage.

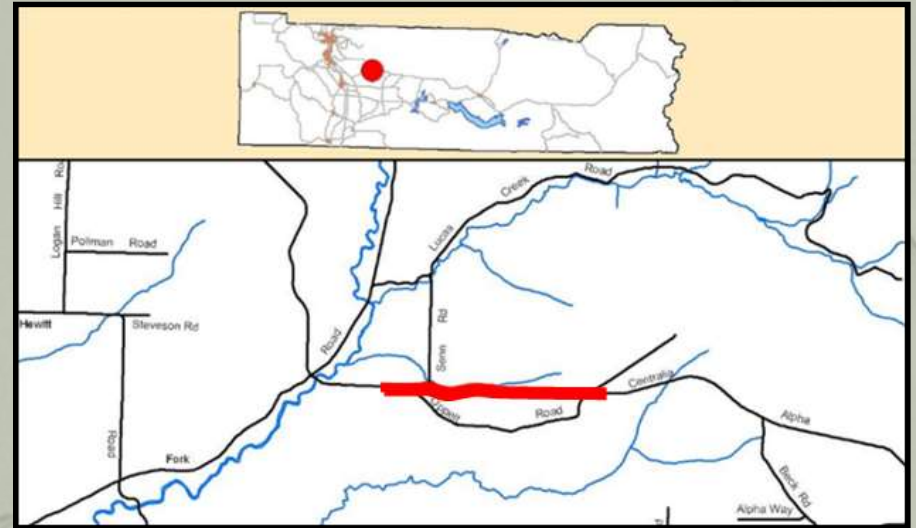
Funding:

Local: \$0

Other Local: \$125,000 (6 yr.)/\$125,000 – 2023

Total Funding: \$125,000

PRIORITY NO. 13: CENTRALIA ALPHA ROAD IMPROVEMENTS



Road Number: 94001

TIP Ranking:

Priority Array Score:

Beginning Milepost: 10.60

Ending Milepost: 11.85

Total Mileage: 1.25

Project Timeline:

PE: 2023

ROW: 2023

CONS: 2023-2024

Existing Conditions:

Proposed Conditions:

Lane Widths: 11

Lane Widths: 12

Shoulder Widths: 2

Shoulder Widths: 3

Traffic Count: 517

3 year accident History:

Property: 0

Injuries: 1

Fatalities: 0

Basis for Project: Slope stabilization, intersection improvements, roadway widening, resurfacing with hot mix asphalt, guardrail, and other related work.

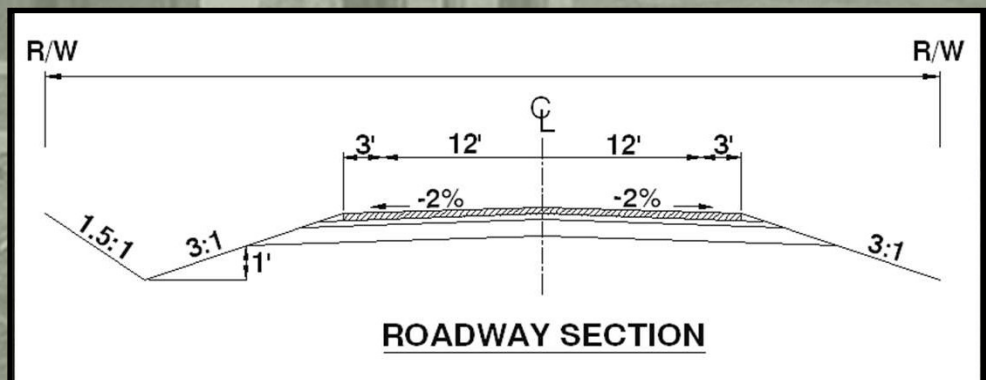
Funding:

Local: \$933,661 (6 yr.)/\$356,992 - 2023

STP(R): \$3,653,331 (6 yr.)/2,400,000 - 2023

RAP: \$1,253,008 (6 yr.)/\$1,253,008 - 2023

Total Funding: \$5,840,000



TIP Projects - 2024-2028 Construction and/or Waiting Funding

Railroad Track Extension & Road Crossing Closure
Wigley Road Improvements
Davison Road Bridge Rehabilitation
Swofford Road Rehabilitation
Rush Road Improvements
Boyd Road Rehabilitation
Isbell Road Rehabilitation
Harrison Avenue Improvements
Ceres Hill Bridge #102 Retrofit
Skate Creek North Bridge Scour

North County Industrial Access
Westside Connector
Reynolds Avenue Improvements
Avery Road West Improvements
Tucker Road Widening
Avery Road West/North Military Road Intersection
Teitzel Road Bridge Approach Repair
Gallagher Road Extension
Downie Road Extension
Highway 603 (4) Rehabilitation
SR 505 Corridor Improvements



QUESTIONS?