



CLARK COUNTY
WASHINGTON

2021–2026 Transportation Improvement Program (TIP) Work Session

County Councilors' Work Session
August 19, 2020

Clark County Public Service Center
1300 Franklin Street, Vancouver, WA
Hearing Room, 6th Floor

Goal of this Work Session

Review Proposed

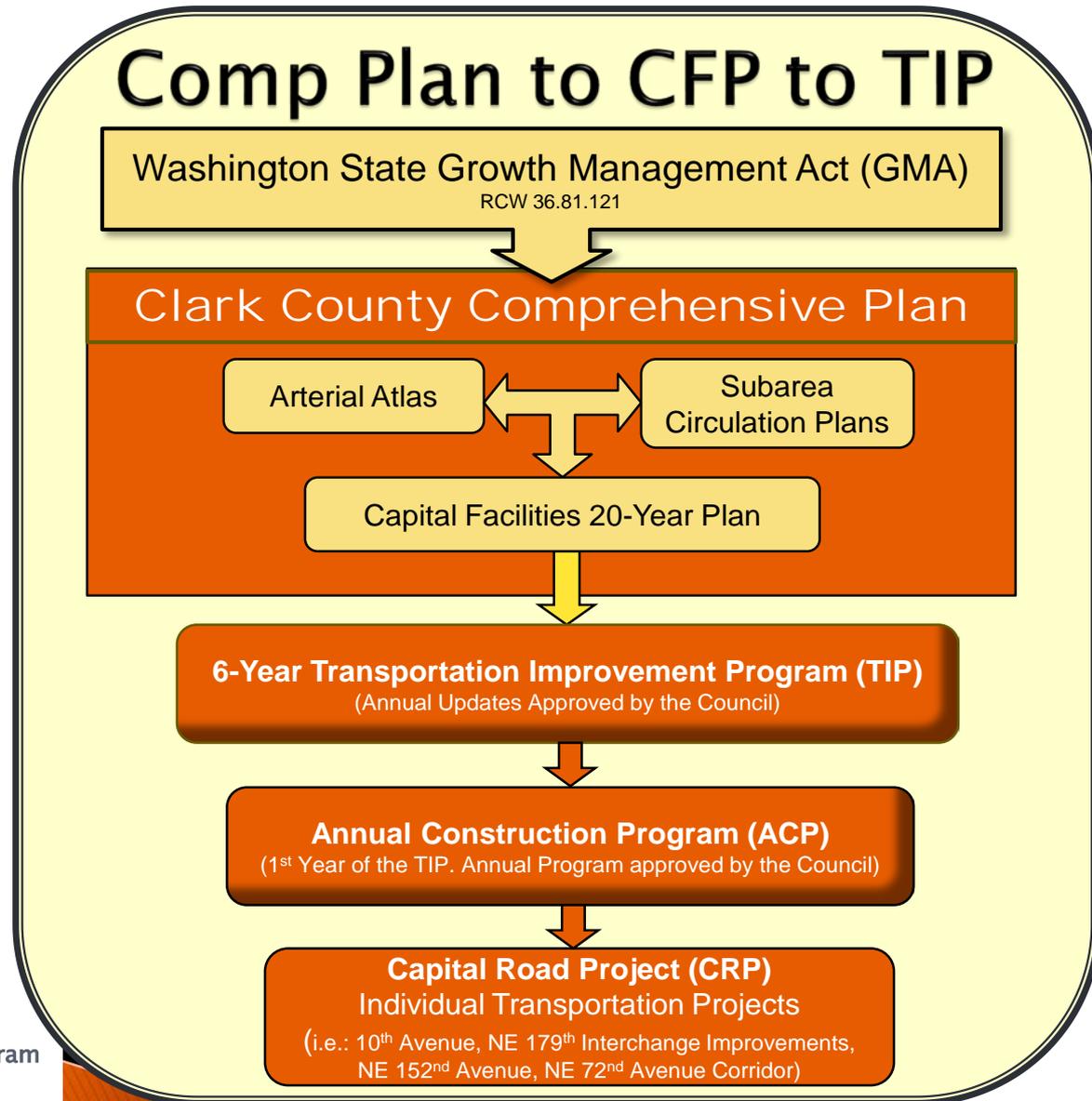
- 2021–2026 Transportation Improvement Program (TIP)
- 2021 Annual Construction Program (ACP)

... To stay compliant to the State Regulations, it is imperative to adopt the 6–Year TIP prior to adoption of the County’s capital and operating Budget.

Agenda

- ▶ Capital Facilities Plan (CFP) to TIP
- ▶ Guiding Principles and Legalities
- ▶ Funding Details
- ▶ Project Leveraging
- ▶ Accomplishments
- ▶ Construction Schedule
- ▶ Evaluation Criteria/Priority Array
- ▶ Ongoing Programs
- ▶ Road Fund Update
- ▶ Risks and Unknowns
- ▶ Next Steps

How does a project get on the TIP?



CFP = Capital Facilities Plan
ACP = Annual Construction Program
TIP = Transportation Improvement Program
CRP = Capital Road Project

Guiding Principals and Legalities

Council Guiding Principles:

1. Debt Service
2. Safety & Preservation of existing Assets
3. Capital Projects

Legal Requirements:

RCW 36.81 and WAC 136

All capital road projects are to be in ACP/TIP.

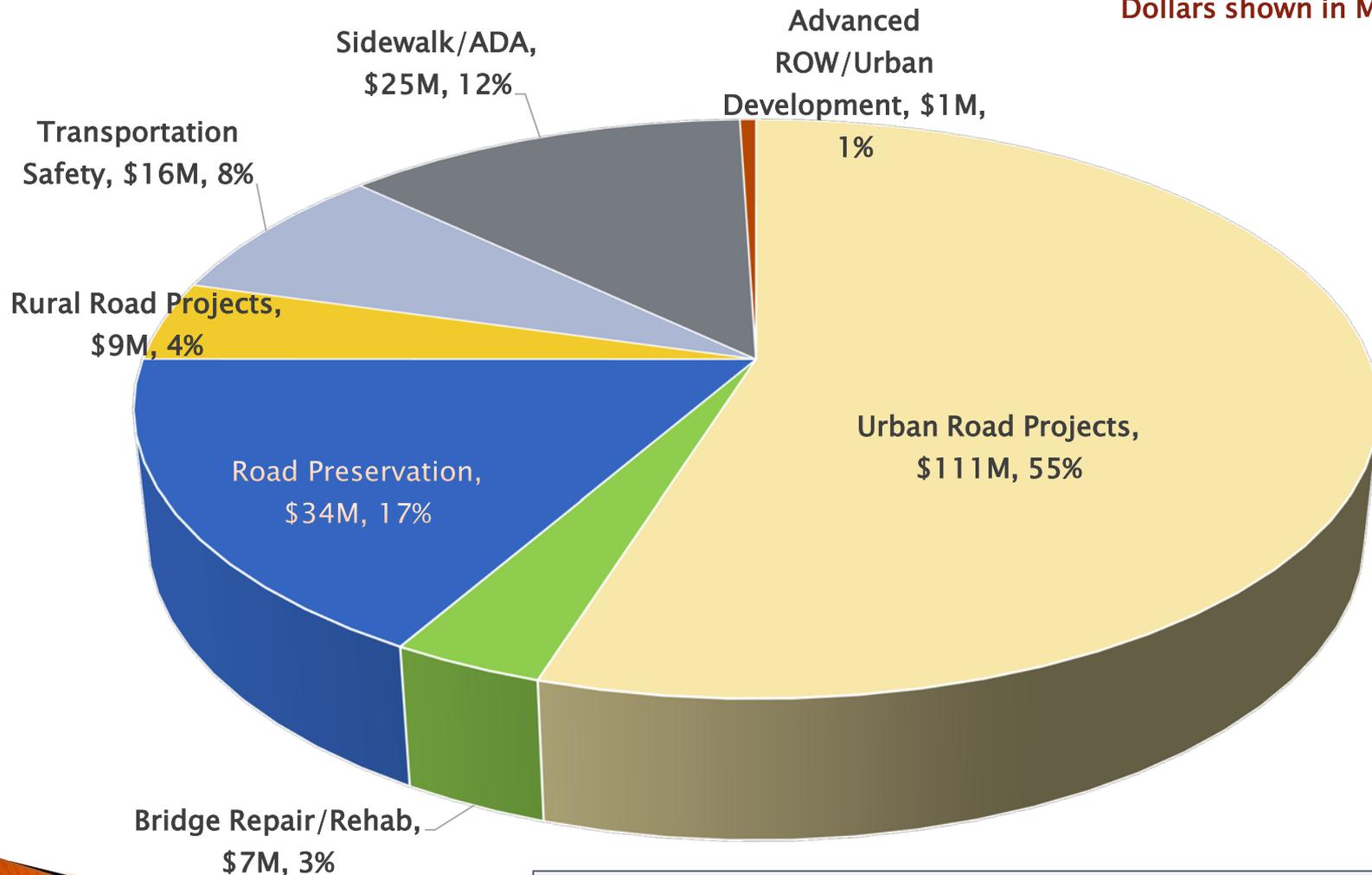
County Engineer to ***“develop and apply”*** priority programming.

Council adopts before budget – Council action required to later amend TIP.

TIP follows adopted policies and Comprehensive Plan via the Capital Facilities Plan.

6-Year TIP Capital Project Areas

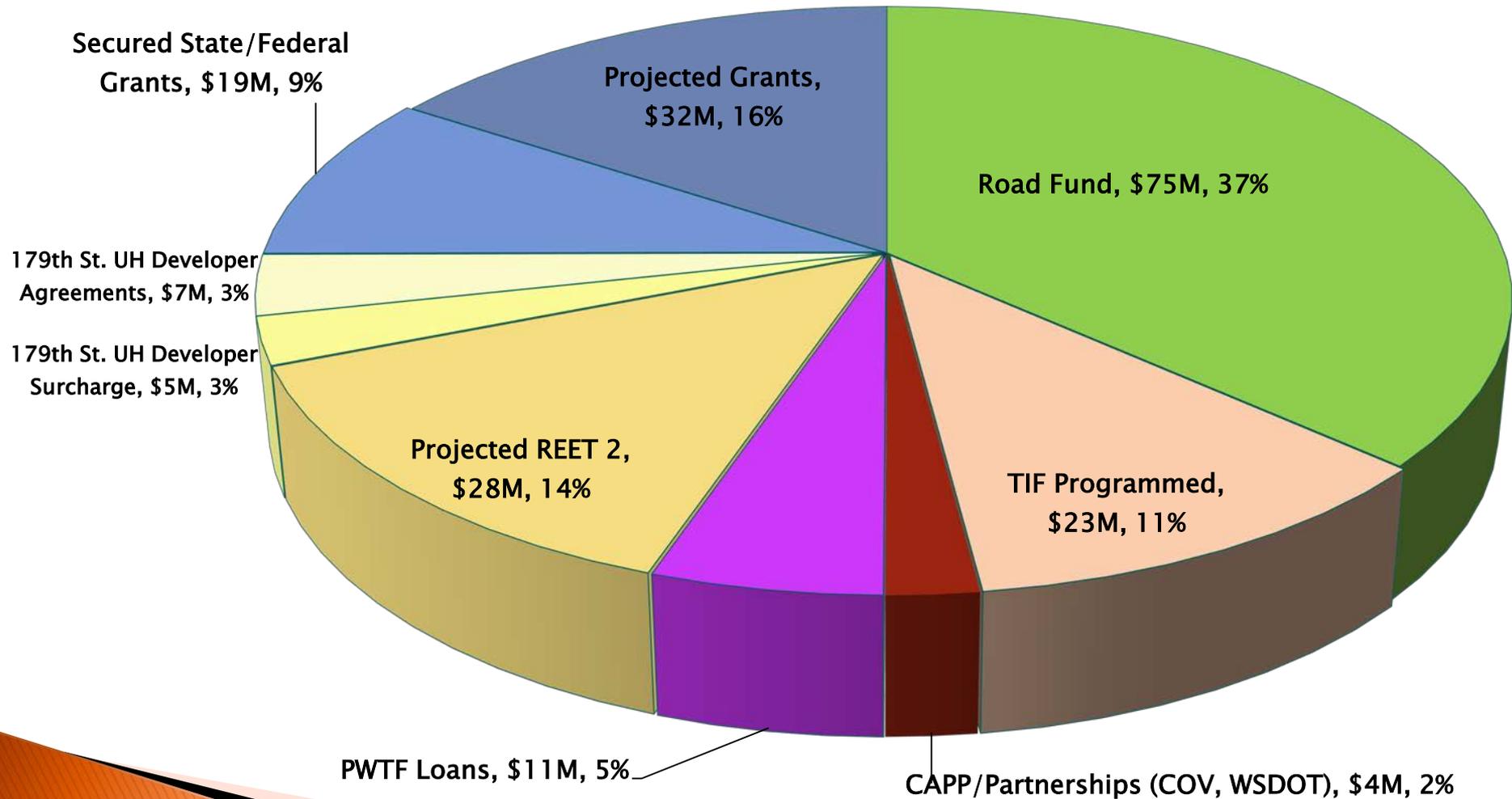
Dollars shown in Millions



NOTE: Rural road projects overlaps in various categories, which includes:
~ Road Preservation = \$16-18M (Does non include non-capital work).
~ Bridge Repair/Rahab = \$7M
~ Transportation Safety = \$16M **RURAL ROAD WORK TOTALS: \$40M (20%)**

6-Year TIP Revenue Sources

Dollars shown in Millions



UH = Urban Holding
TIF = Traffic Impact Fees
CAPP = County Arterial Preservation Program

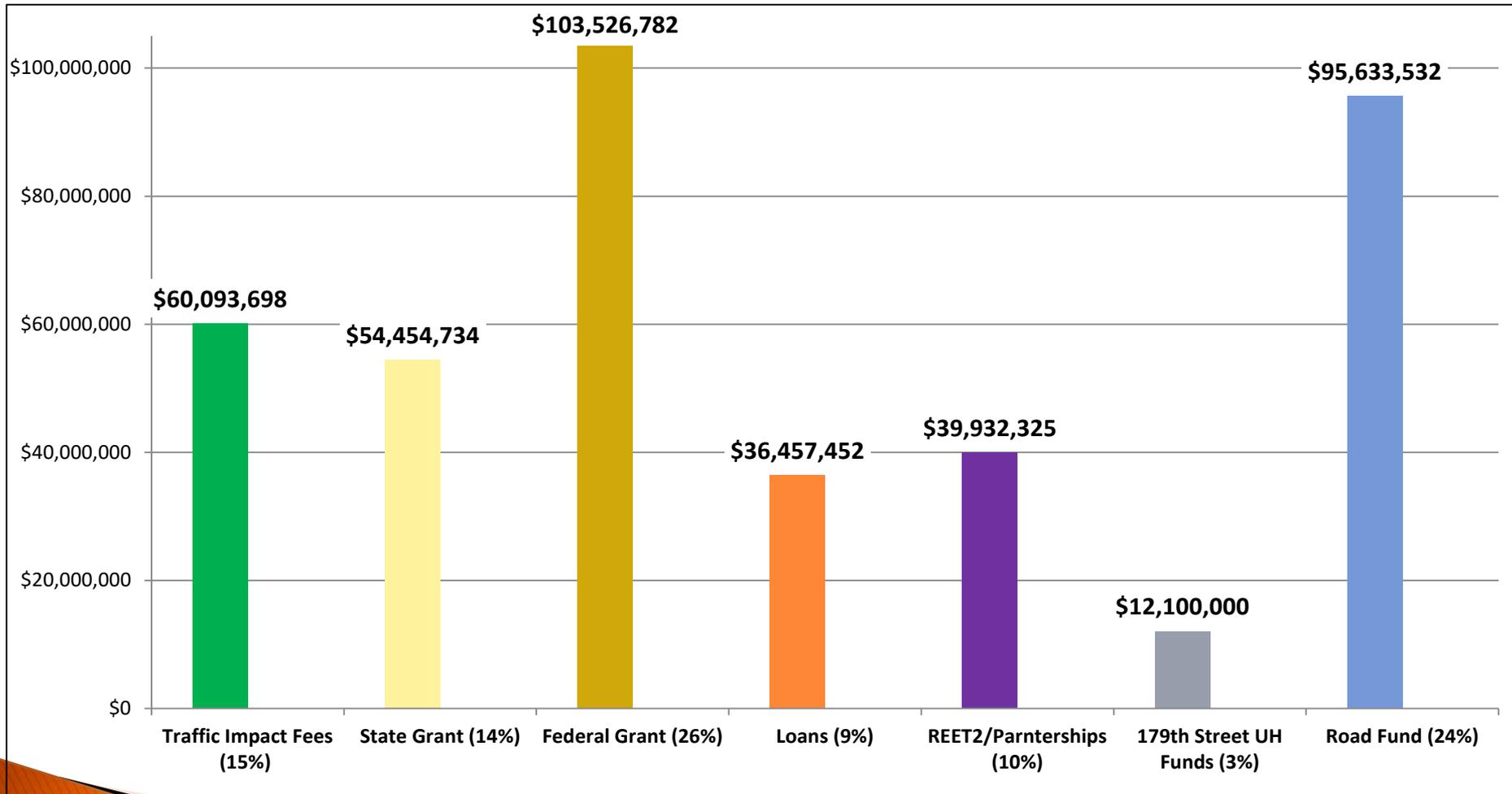
6-Year TIP Capital Project Areas Details

Dollars shown in Millions

| Ongoing Program | Total Programmed | Grants | TIF | REET2 | Road Fund | Other & UH-179 th | Loans |
|-------------------------|------------------|----------------|--------------|----------------|----------------|------------------------------|--------------|
| Urban Road Projects | 111.5 | 20 | 21 | 26.5 | 22 | 11 | 11 |
| Bridge Repair/Rehab | 6.9 | 5.2 | | 0.5 | 1.2 | | |
| Road Preservation * | 34* | 2.3 | | | 27.5 | 4.2 | |
| Rural Road Projects | 9.5 | 8 | | | 1.5 | | |
| Transportation Safety | 15.7 | 7.9 | | | 7.6 | 0.2 | |
| Sidewalk/ADA | 25.1 | 7 | 2 | 1.2 | 14.4 | 0.5 | |
| Advanced ROW/Urban Dev. | 0.6 | 0 | | | 0.6 | | |
| TOTAL | \$203M | \$50.4M | \$23M | \$28.2M | \$74.8M | \$15.9M | \$11M |

* NOTE: This number does not include non-capital maintenance/preservation work.

Project Leveraging - 2019-2026



NOTE: This does not include preservation, ADA compliance and purely road funded projects, which amounts to multi millions of dollars in County Road Funds.

Accomplishments: 119th Street Corridor

Before Construction



- ▶ NE 50th Avenue to SR-503
- ▶ 4 Phases
- ▶ Construction: 2013-2020

During Construction



Funding Sources/Cost (millions)

| | |
|-------------------------------|----------------|
| County Road Fund | \$ 14.2 |
| Federal Grant | \$ 11.5 |
| State Grant | \$ 9.6 |
| Traffic Impact Fees | \$ 10.4 |
| REET2 (prior 2010) | \$ 3.0 |
| Partnerships (Utility & Dev.) | \$ 6.6 |
| TOTAL | \$ 55.3 |

REET2 = Real Estate Excise Tax 2

Accomplishments: 119th Street Corridor



Construction Complete

Accomplishments: 10th Avenue Corridor

- ▶ NE 141st Street to NE 164th Street
- ▶ 3 Phases (2 completed, 1 beginning construction)
- ▶ Construction: 2013–2022



Funding Sources/Cost (millions)

| | |
|---------------------------------|----------------|
| County Road Fund | \$ 14.8* |
| *includes \$4.8M 2014 PWTF Loan | |
| Federal Grants | \$ 10.5 |
| State Grant | \$ 1.5 |
| Traffic Impact Fees | \$ 4.4 |
| REET2 (\$3M) | \$ 8.8 |
| Partnerships (Utility) | \$ 3.2 |
| TOTAL | \$ 43.2 |

PWTF = Public Works Trust Fund
REET2 = Real Estate Excise Tax 2

Accomplishments: 10th Avenue Bridge



Before Construction
10th Avenue / NE 154th Avenue
(View looking north)



During Construction
10th Avenue Bridge
(View looking north)

Gap segment (NE 149th to NE 154th Street) scheduled to be under construction early 2021

Accomplishments: 10th Avenue Bridge



Construction Complete
10th Avenue Bridge

Proposed Construction Schedule: 6-Year TIP

| 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 and beyond |
|--|---|---|--|------|---|--|
| | <u>NE 10th Avenue (\$36M)</u> NE 149th Ave to NE 164th Ave | | <u>NE 99th Street (\$23M)</u> NE 94th Ave to SR 503 | | <u>NE 15th Avenue (\$13M)</u> NE 179th St to NE 10th Ave | <u>NE 179th Street (\$24M)</u> NE 15th Ave to NE 29th Ave |
| <u>NE 119th Street East (\$15M)</u> NE 87th Ave to NE 112th Ave | <u>*Traffic Signal Optimization (\$1M)</u> NE 25th Ave to NE Ward Rd and 134th Corridor | <u>*NE 68th East Sidewalk (4M)</u> Highway 99 to St. Johns Rd (COV Partnership) | <u>I-5/NE 179th Street & NE Delfel Realignment (\$15-17M)</u> NE Delfel Rd to NE 15th Ave (WSDOT and Private Developer Partnerships) | | | |
| <u>*NE Blair Road (\$3M)</u> SR-500 to MP 2.47 | <u>Hwy 99 at 99th Street Intersection (\$3M)</u> | <u>*NE Hazel Dell Avenue Sidewalk (\$1M)</u> NE 99th St to NE 117th St | <u>NE 179th Street Intersection Improvements (\$25-30M)</u> at 29th Ave and 50th Ave | | | <u>NE 179th Street (\$24M)</u> NE 29th Ave to NE 50th Ave |
| <u>*NE Manley Road (\$6M)</u> NE 244th St to NE 82nd Ave | | <u>*NE 119th St at NE 152nd Ave (\$4M)</u> | | | <u>NE 152nd Avenue (\$8-12M)</u> Padden to NE 99th St | |
| <u>*Hwy 99 Preservation (\$5M)</u> NE 78th to NE 134th St | <u>*Davis Bridge Replacement (\$2M)</u> Davis Rd E of Ward Rd | | <u>NE 182nd Avenue at SR 500 (\$3-4M)</u> (WSDOT Partnership) | | <u>NE 72nd Avenue (\$20-25M)</u> NE 122nd St to NE 179th St (may be built in phases. Intersections or corridor improvements under analysis) | |
| <u>*Lehto, Salmon Creek, Smith Bridges (\$2M)</u> Various locations | | <u>*NE Munch Preservation (\$1M)</u> NE Cedar Creek Rd to NE 414th St | <u>*NE Mason Creek Culvert at NE 102nd Ave (\$1.6M)</u> | | <u>*Highway 99 Sidewalks (\$7+M)</u> North of 99th Street | |
| Ongoing Programs: 6-years (some overlap w/ above) | Road Preservation: \$37M Sidewalks & ADA: \$20M (\$9M Sidewalk / \$11M ADA) | Bridge Repair & Rehabilitation: \$8M Transportation Safety: \$17M Rural Road Improvement Program: \$7M | Advanced Right of Way: \$60K Urban Development Roads: \$50K | | | |
| *Some Ongoing project also listed above | | | | | | |

[Roundabout](#) video

- Gray:** Projects currently under construction or completed.
- Yellow:** Fully Funded projects OR grant committed
- Blue:** Urban Holding Projects
- Pink:** Highest priority projects to seek funding
- White:** Next Tier of project or Ongoing Projects

Evaluation System Criteria

| Safety (33%) | Economic Development (29%) | Mobility (24%) |
|--|---|---|
| <p><u>Safety Rating</u> (30 Points)</p> <ul style="list-style-type: none"> Collisions – Injuries, Fatalities Physical road features | <p><u>Support Economic Development</u> (20 Points)</p> <ul style="list-style-type: none"> Potential industrial & commercial jobs created Focused Public Investment Freight access to highways Large development-ready parcels - CREDC <p><u>Concurrency</u> (10 Points)</p> <ul style="list-style-type: none"> Congestion: Level of Service & Volume/Capacity ratio Urban Holding Areas De-facto moratorium and moratorium areas | <p><u>Route Connectivity</u> (10 Points)</p> <ul style="list-style-type: none"> Atlas- Links to other roadways <p><u>Multimodal</u> (6 Points)</p> <ul style="list-style-type: none"> Improves access to bicycle routes, transit, trails. |
| <p><u>Comparison to Arterial Atlas</u> (10 Points)</p> <p>Existing roadway section to standard cross-sections in the County's Arterial Atlas (additional travel lanes, center/left turn lanes, sidewalks, bike lanes)</p> | | |
| <p>Other 14%</p> <p>Environmental Impacts Public & Outside Agency Support Leveraging of Outside Funding</p> | | |

Ranking Criteria/ Priority Array

2021 - 2026 Transportation Improvement Program Project Ranking and Evaluation System (Priority Array)

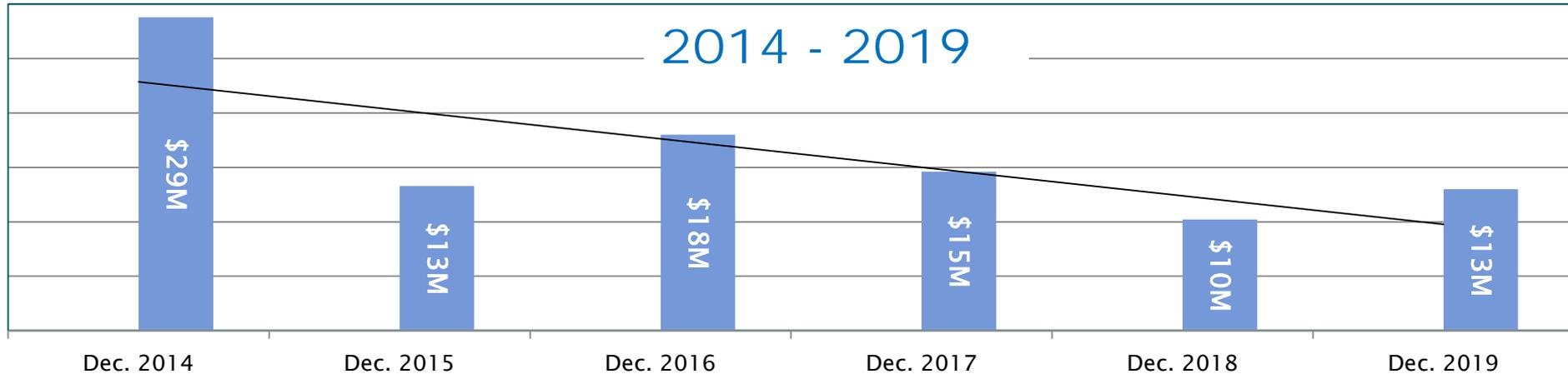
| Project Rank | Project Name | Safety (30) | Comparison to Atlas (10) | Concurrency (10) | Multimodal (6) | Route Connectivity (10) | Leverage of Non-County Funding (6) | Environmental Impact (6) | Public and Outside Agency Support (2) | Economic Development (20) | Total (100) |
|--------------|--|-------------|--------------------------|------------------|----------------|-------------------------|------------------------------------|--------------------------|---------------------------------------|---------------------------|-------------|
| 1 | NE 72nd Avenue (NE 122nd Street - NE 133rd Street) | 13.64 | 10.00 | 5.00 | 0.00 | 6.00 | 0.00 | 4.95 | 2.00 | 8.00 | 49.59 |
| 2 | NE 179th Street (NE 29th Avenue - NE 50th Avenue) | 11.85 | 10.00 | 0.00 | 0.00 | 6.00 | 0.00 | 3.15 | 1.00 | 13.00 | 45.00 |
| 3 | NE 179th Street (NE 15th Avenue - NE 29th Avenue) | 10.47 | 10.00 | 0.00 | 2.00 | 6.00 | 0.00 | 3.50 | 1.00 | 12.00 | 44.97 |
| 4 | NE 152nd Avenue (Padden Parkway - NE 99th Street) | 17.09 | 4.00 | 3.00 | 2.00 | 4.00 | 0.00 | 6.00 | 2.00 | 6.00 | 44.09 |
| 5 | NE Salmon Creek Avenue Realignment (WSUV Entrance - NE Salmon Creek Street) | 15.61 | 8.00 | 2.00 | 2.00 | 6.00 | 0.00 | 0.80 | 2.00 | 7.00 | 43.41 |
| 6 | NW Lakeshore Ave (NW 78th Street - NW 109th Street) | 18.66 | 8.00 | 0.00 | 5.00 | 6.00 | 0.00 | 4.25 | 1.00 | 0.00 | 42.91 |
| 7 | NE 10th Avenue (NE 164th Street - Amphitheater Entrance) | 7.88 | 8.00 | 0.00 | 0.00 | 2.00 | 0.00 | 4.60 | 2.00 | 18.00 | 42.48 |
| 8 | NE 182nd Avenue at SR 500 (Intersection Improvement) | 18.02 | 4.00 | 6.00 | 0.00 | 0.00 | 6.00 | 3.20 | 1.00 | 6.00 | 44.22 |
| 9 | NE 72nd Avenue (NE 133rd Street - NE 179th Street) | 14.02 | 10.00 | 5.00 | 0.00 | 6.00 | 0.00 | 3.55 | 2.00 | 0.00 | 40.57 |
| 10 | NW 179th Street (NW 11th Avenue - Delfel Road) | 9.19 | 6.00 | 0.00 | 0.00 | 4.00 | 0.00 | 3.50 | 2.00 | 14.00 | 38.69 |
| 11 | NE 99th Street (NE 72nd Avenue - NE 94th Avenue) | 10.80 | 4.00 | 0.00 | 0.00 | 8.00 | 0.00 | 3.20 | 0.00 | 11.00 | 37.00 |
| 12 | NE 119th Street at NE 132nd Avenue (Intersection Improvement) | 9.88 | 8.00 | 4.00 | 2.00 | 4.00 | 0.00 | 4.95 | 0.00 | 3.00 | 35.83 |
| 13 | NE 172nd Avenue (NE 18th Street - NE 39th Street) | 9.98 | 8.00 | 0.00 | 0.00 | 6.00 | 0.00 | 5.65 | 2.00 | 3.00 | 34.63 |
| 14 | NE Ward Road (NE 162nd Avenue - NE 172nd Avenue) | 8.89 | 8.00 | 7.00 | 1.00 | 4.00 | 0.00 | 3.90 | 1.00 | 1.00 | 34.79 |
| 15 | NE Ward Road (NE 172nd Avenue - NE Davis Road) | 14.35 | 4.00 | 6.00 | 1.00 | 4.00 | 0.00 | 2.40 | 2.00 | 0.00 | 33.75 |

Ongoing Programs

1. Advanced Right-of-Way Program
2. Bridge Repair/Rehabilitation Program
3. Road Preservation Program
4. Rural Road Program
5. Sidewalks /ADA Program
6. Transportation Safety Program
7. Urban Development Program

Add: Culvert Program. Lots of grant potential with low match requirements. Combine into Ongoing Program #2. Rename: Bridge & Culvert Repair/ Rehabilitation Program.

Road Fund Balance (PAST)



Projects CN Start (Bid Year)

| 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--|---|--|--|--|--|
| NE 119th St. – (72nd Av – 87th Av.) | NE 94th Ave. (Padden Parkway to 99th St.) | Carty Road Culvert | NE 99th St. / NE 117th Ave. Intersection | NE 119th St. (NE 87th Av. to NE 112nd Av.) | NE Blair Road (SR 500 / NE 19th St.) |
| NE 78 th St/ NE 47 th Av. Intersection Realignment | NE 47th Av.(68th St. to 78th St.) | Borin Road Culvert | NE 10th Av. Over Whipple Creek (154th St. to 164th Av.) | 2 Sidewalks | NE 63rd St. & NE 58th Av. Signal |
| 5 Sidewalk Projects | Sunset Falls Road | Cedar Creek Bridge Replacement | NE 119th St. (NE 50th Av. to NE 72nd Av.) | 1 Signal Optimization Projects | Hwy. 99 Pavement Improvements (NE 78th St. to 134th St.) |
| 2 Signal Optimization Projects | Fifth Plan Creek Bridge Replacement | Hayes Rd., Washougal River Rd. & Lockwood Rd. Improvements | Hwy 99 Sidewalk (NE 68 th St –78 th St.) | | NE Manley Rd. – NE 82nd Avenue to NE 244th Street |
| | 2 Sidewalks | 1 Sidewalk / 1 Bridge | 1 Signal Optimization | | |

Asphalt Packages, Safety Projects, ADA Compliance Projects, Guardrail/ Bridge Rail Projects

Road Fund Balance (FUTURE)

2020 - 2026

\$13M

\$10M

\$11M

\$6M

\$3M

\$1M

\$2M

Dec. 2020

Dec. 2021

Dec. 2022

Dec. 2023

Dec. 2024

Dec. 2025

Dec. 2026

Projects CN Start (Bid Year)

| 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 and beyond |
|---|---|--|--|---|--|--|
| | NE 10th Avenue (\$36M) NE 149th Ave to NE 164th Ave | | NE 99th Street (\$23M) NE 94th Ave to SR 503 | | NE 15th Avenue (\$13M) NE 179th St to NE 10th Ave | |
| NE 119th Street East (\$15M) NE 87th Ave to NE 112th Ave | *Traffic Signal Optimization (\$1M) NE 25th Ave to NE Ward Rd and 134th Corridor | | *NE 68th East Sidewalk (4M) Highway 99 to St. Johns Rd (COV Partnership) | | I-5/NE 179th Street & NE Delfel Realignment (\$15-17M) NE Delfel Rd to NE 15th Ave (WSDOT and Private Developer Partnerships) | |
| *NE Blair Road (\$3M) SR-500 to MP 2.47 | Hwy 99 at 99th Street Intersection (\$3M) | *NE Hazel Dell Avenue Sidewalk (\$1M) NE 99th St to NE 117th St | NE 179th Street Intersection Improvements (\$25-30M) at 29th Ave and 50th Ave | | | NE 179th Street (\$24M) NE 29th Ave to NE 50th Ave |
| *NE Manley Road (\$6M) NE 244th St to NE 82nd Ave | | *NE 119th St at NE 152nd Ave (\$4M) | | | NE 152nd Avenue (\$8-12M) Padden to NE 99th St | |
| *Hwy 99 Preservation (\$5M) NE 78th to NE 134th St | | *Davis Bridge Replacement (\$2M) Davis Rd E of Ward Rd | | NE 182nd Avenue at SR 500 (\$3-4M) (WSDOT Partnership) | | NE 72nd Avenue (\$20-25M) NE 122nd St to NE 179th St (may be built in phases. Intersections or corridor improvements under analysis) |
| *Lehto, Salmon Creek, Smith Bridges (\$2M) Various locations | | *NE Munch Preservation (\$1M) NE Cedar Creek Rd to NE 414th St | | *NE Mason Creek Culvert at NE 102nd Ave (\$1.6M) | | *Highway 99 Sidewalks (\$7+M) North of 99th Street |
| Ongoing Program Projects | | | | | | |

Risks and Unknowns

- ▶ Three year gap in state funding for 179th Street area improvements.
- ▶ Fuel tax below projections. Road Fund and funding partner impacts.
- ▶ Know if we get additional grants by September and November.
- ▶ Volatility of Traffic Impact Fee (TIF) revenues.
- ▶ Reassess TIP revenues/expenditures annually.

Next Steps

