



Board of County Commissioners
Board Work Session
Wednesday, March 22nd, 2023
3:00pm to 4:00pm
3000 Pacific Avenue SE, Room 110

For public virtual attendance, you may follow along on the [Thurston County YouTube Channel](#).

AGENDA

I. State of the Thurston County Transportation System Briefing – *Informational*

Disability Accommodations: Room 110 is equipped with an assistive listening system and is wheelchair accessible. To request disability accommodations, call the Reasonable Accommodation Coordinator at least 3 days prior to the meeting at 360-786-5440. Persons with speech or hearing disabilities may call via Washington Relay at 711 or 800-833-6388.

Thurston County Board Briefing

<u>Briefing Date/Time:</u>	March 22, 2023
<u>Office/Department & Staff Contact:</u>	Public Works Matt Unzelman, Acting County Engineer (X2335) Becky Conn, Acting County Traffic Engineer (X2349)
<u>Topic:</u>	State of the Thurston County Transportation System
<u>Purpose:</u> (check all that apply)	<input checked="" type="checkbox"/> Information only <input type="checkbox"/> Decision needed <input type="checkbox"/> Follow up from previous briefing <div style="text-align: right;">Optimal Time Frame for Decision is: (dd/mm/yyyy)</div>
<u>Synopsis/Request/Recommendation:</u> <i>(One or two sentences identifying your primary objective for this session)</i>	
Staff will provide an update on the state of the Thurston County Transportation System.	
<u>Background</u>	
Thurston County's transportation system includes more than 1,000 centerline miles of roads, 107 miles of sidewalks, 150 bridges, and over 17,000 traffic signs. The estimated total value of these assets is more than \$1 billion and is one of the County's largest assets. The County, through Public Works, is responsible for maintaining, preserving, and improving this system and ensuring it serves our community today and into the future.	
<u>Documents Attached:</u>	
<ul style="list-style-type: none"> State of the Thurston County Transportation System PowerPoint Presentation 	
<u>Summary & Financial Impact:</u>	
None	
<u>Affected Parties:</u>	
<i>E.g. County residents, community organizations, other County offices/departments, etc.</i> Public Works staff and Thurston County community.	



Public Works

State of the System - Transportation

March 22, 2023

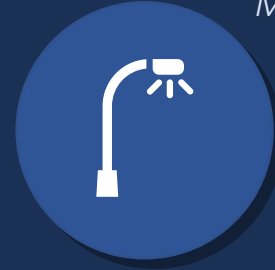
Thurston County's Transportation System



More than
1,000 MILES
of **ROADWAY**



107 MILES
of **SIDEWALK**



More than
1,000
STREETLIGHTS



150
Bridges



Nearly
17,000
TRAFFIC SIGNS



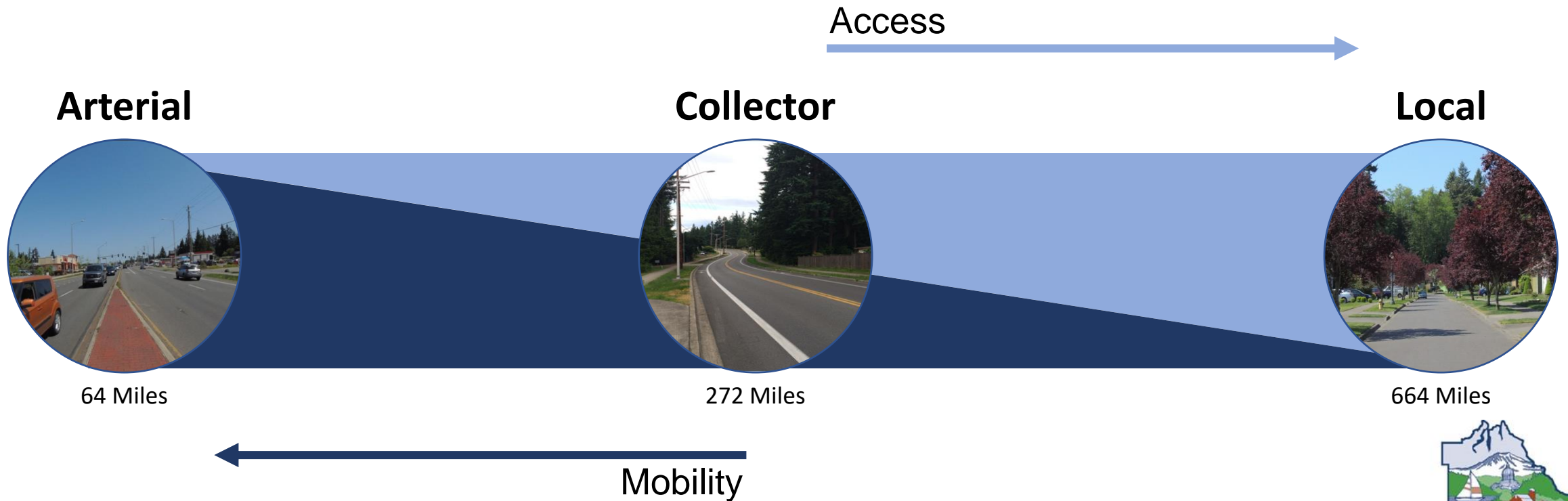
Estimated
Total Value: **More than**

\$ 1 BILLION

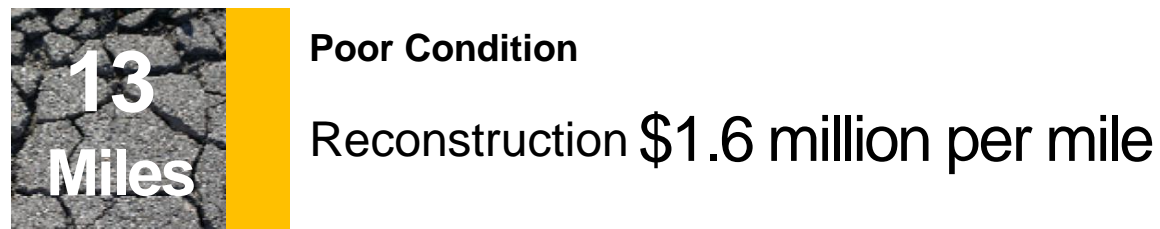
BY THE NUMBERS

State of the System – Road Types

County Road Function & Class



State of the System – Road Conditions



State of the System – Road Maintenance 2022



48.5 Actual
Miles

Resurfaced

Includes miles overlaid and reconstructed.

600 Total
Miles

Lines Painted

All center and line miles painted on county roads.

2.7K Total
Miles

Swept & Cleaned

Total miles maintained and swept by county road crews.

State of the System – Road Maintenance 2022



20.9K_{FT}

**Drain Pipes
Cleaned**

1532

**Catch Basins
Cleaned**

3800

**Traffic Control
Devices Inspected**

295K_{LBS}

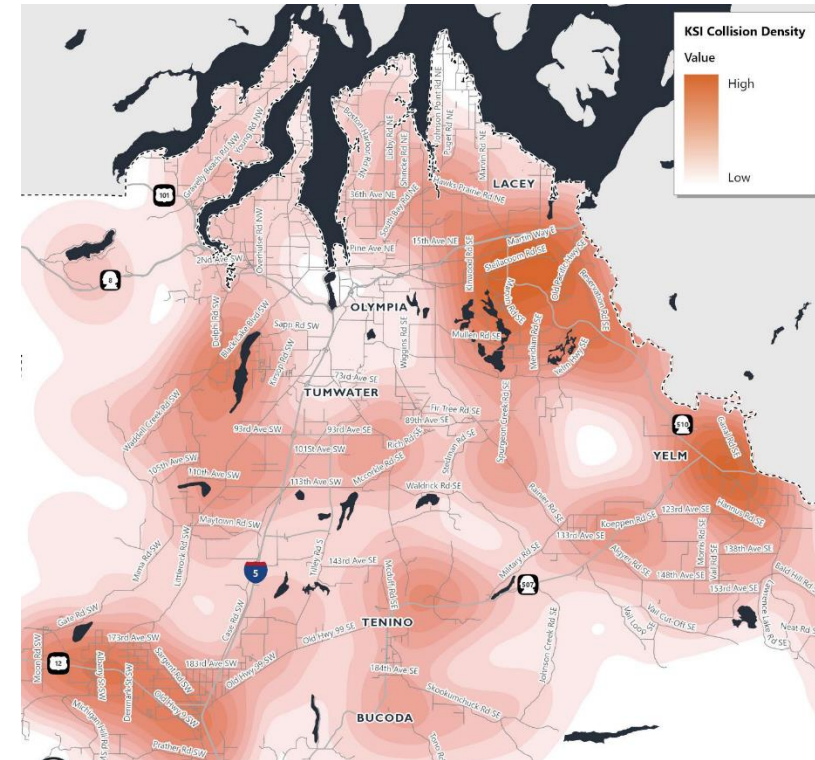
**Litter Removed
From Roadways**



State of the System – Road Safety

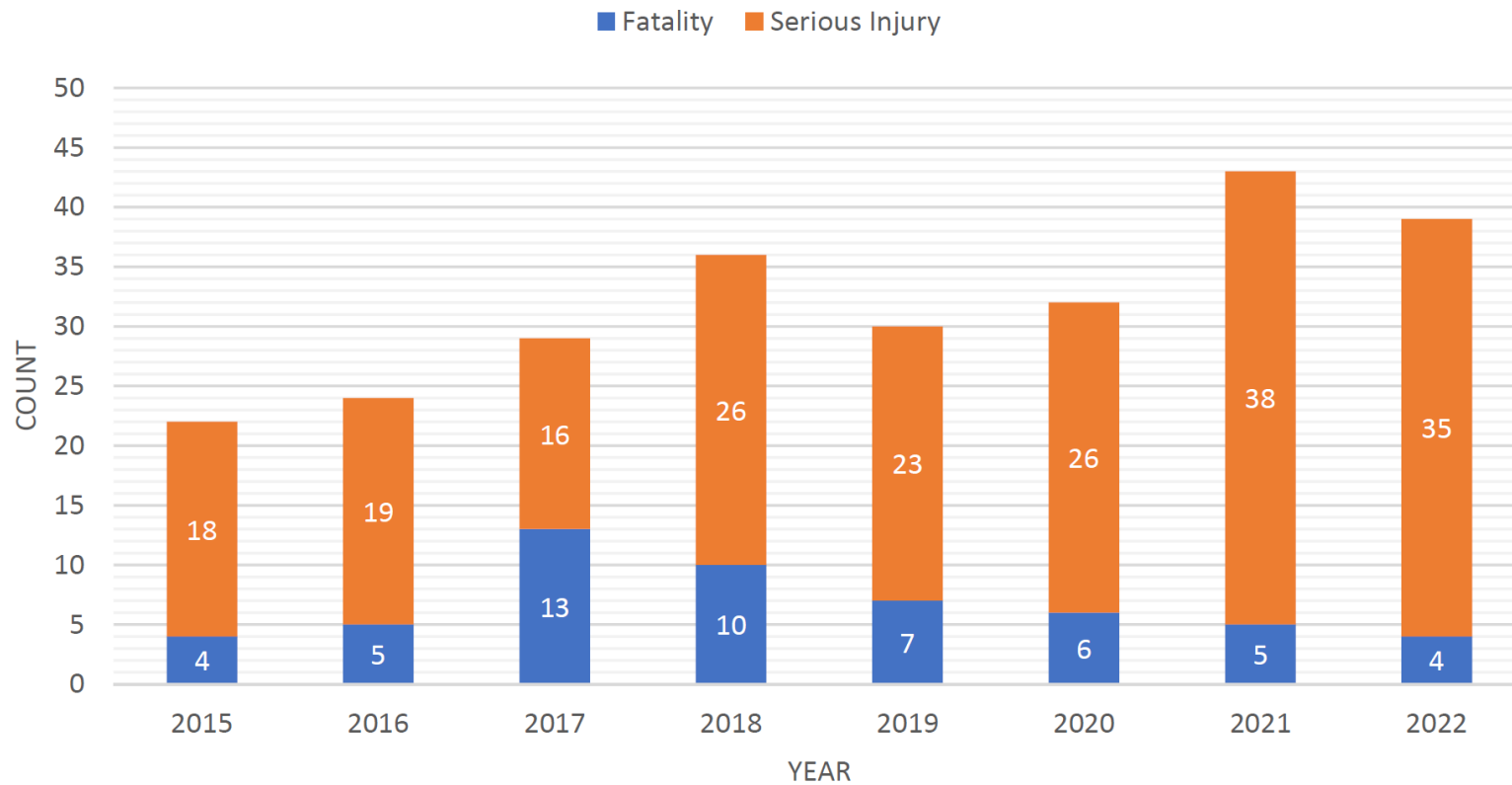
Countywide Road Safety Planning

- Intersection Safety Analysis
 - Prioritizes intersections based on collision history
 - Updated every two years
- Local Road Safety Plan
 - Prioritizes low-cost, system-wide improvements
 - Currently updating



State of the System – Road Safety

Thurston County Fatal/Seriously Injured Collision Comparison



State of the System – Road Safety

County Road Safety 2016-2022

- \$5.5 Million invested in safety-focused projects
- \$21 Million invested in other capital projects with safety elements

Upcoming Safety Focused Improvements Include

- Curve Signage
- Lighting
- Guardrail
- Speed Feedback Signs
- Removing Hazards from Right of Way



State of the System – Road Accessibility

ADA Program

Curb Ramps

Inventory	2,038 Each
Retrofit Needed	1,862 Each

Sidewalks

Inventory	107 Miles
Retrofit Needed	30.5 Miles

- Yearly projects funded by program
 - Martin Way has been the first focus area



State of the System – Road Traffic Calming

Traffic Calming Program

- Work with 15-20 neighborhoods each year regarding their concerns about speeding within their neighborhoods
- Traffic Calming Program funds are used to install devices that help address these concerns



Location: Husky Way
Install Date: July 2022
Device: Speed Cushions
Cost: Approx. \$15,000

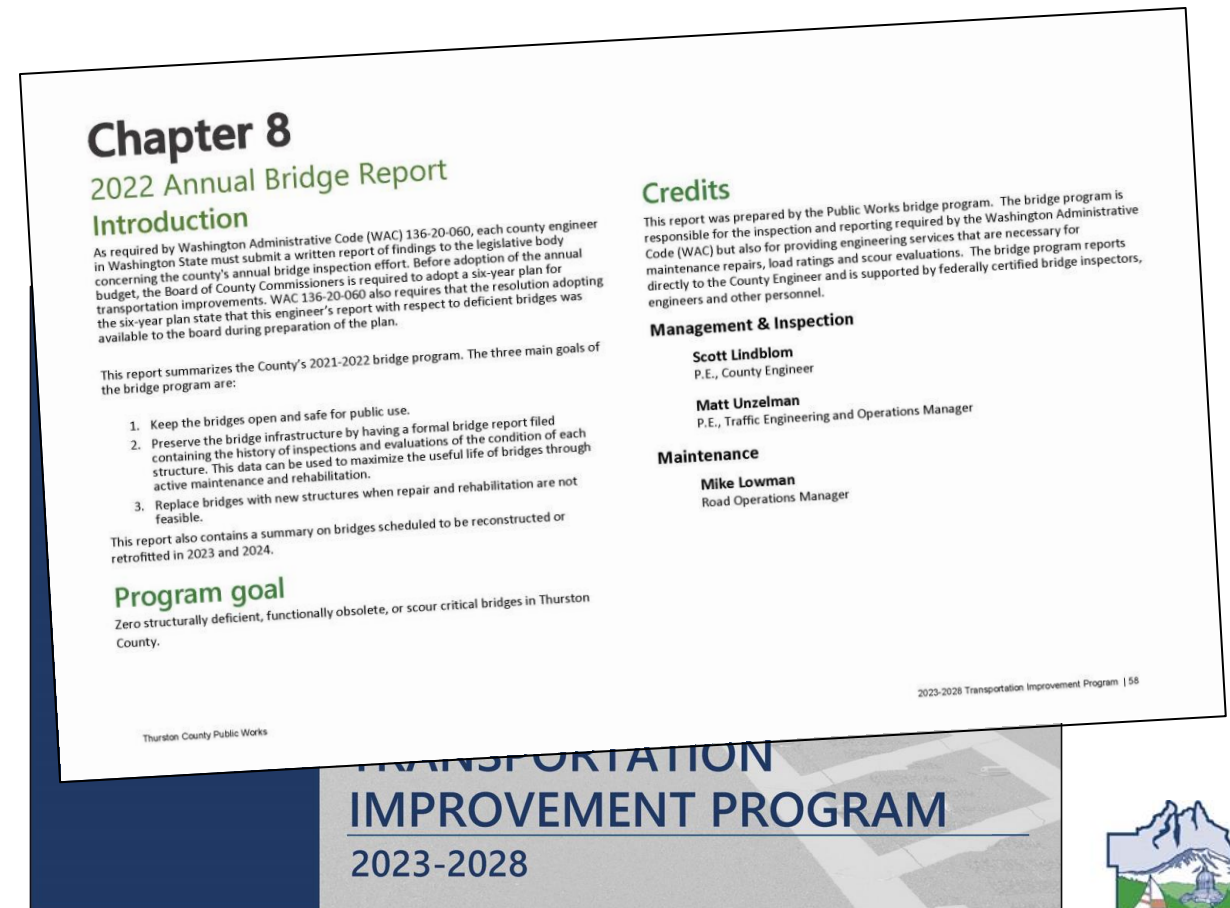


Location: Ridgeview II
Planned Install Date: April 2023
Device: Traffic Circle
Cost: Approx. \$55,000



State of the System - Bridges

- 150 bridges critical to the transportation system
- A bridge index is generated each year to summarize the condition of the Thurston County Bridge Inventory
- Submitted to BoCC annually (WAC 136-200-060)



State of the System – Bridges

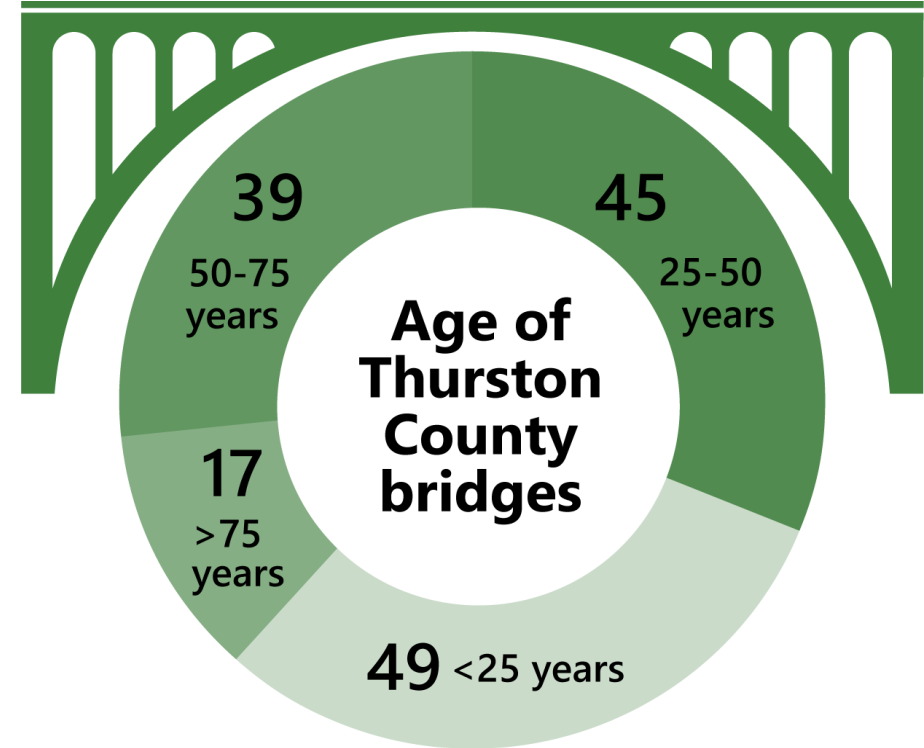
Bridge Conditions				
Agency	Number of Bridges	Scour Critical	Functionally Obsolete (FO)	Structurally Deficient (SD)
Thurston County	150	15	19	0
City of Tenino	3	0	2	0
City of Yelm	2	0	0	0



State of the System - Bridges

150 county-owned bridges

- 104 National Bridge Inventory (NBI) reportable
- 46 NBI non-reportable



State of the System - Bridges

Recommended Replacements

#1 Yelm Highway Bridge - \$16M



#2 Tilley Road Bridge - \$3M



#3 Littlerock Road Bridge - \$2.5M



Road Standards Update

- Improve access - incorporating complete streets
- Improve safety – prohibiting hazardous objects or sight distance obstructions
- Improve resilience - increasing pavement thicknesses
- Improve efficiency - streamline how assets are added to the inventory
- Engage stakeholders



Challenges

- System preservation and maintenance funding gap
- Higher material and construction costs
- Material availability delaying projects
- Recruiting continues to be challenging in tight labor market
- Heavy workload with existing vacancies



Questions?