2025 Comprehensive Plan Update
Transportation Plan

Balancing Nature and Community:
Tumwater's Path to Sustainable Growth

Daniel Dye, Fehr & Peers
Planning Commission, August 26, 2025

Overview

- Biking, Walking, and Rolling Plan
- Public Outreach
- Goals and Policies
- Future Transportation Network
- 20-year Project List
- Funding
- Conclusion and Next Steps

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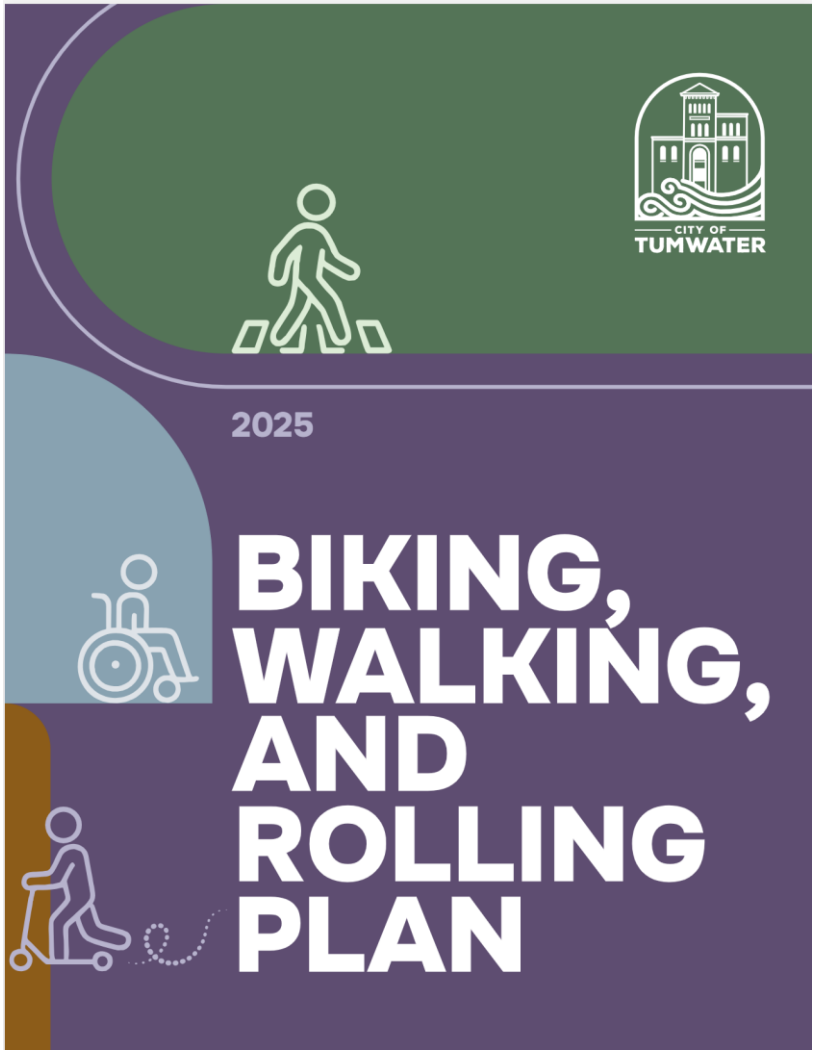
Biking, Walking, and Rolling Plan

- Active transportation covers any primarily human-powered mode of transportation such as:
  - Walking
  - Biking
  - Using a mobility device like a wheelchair or scooter
  - Roller skating
  - Skateboarding
  - Using electric micromobility devices including e-bikes and e-scooters



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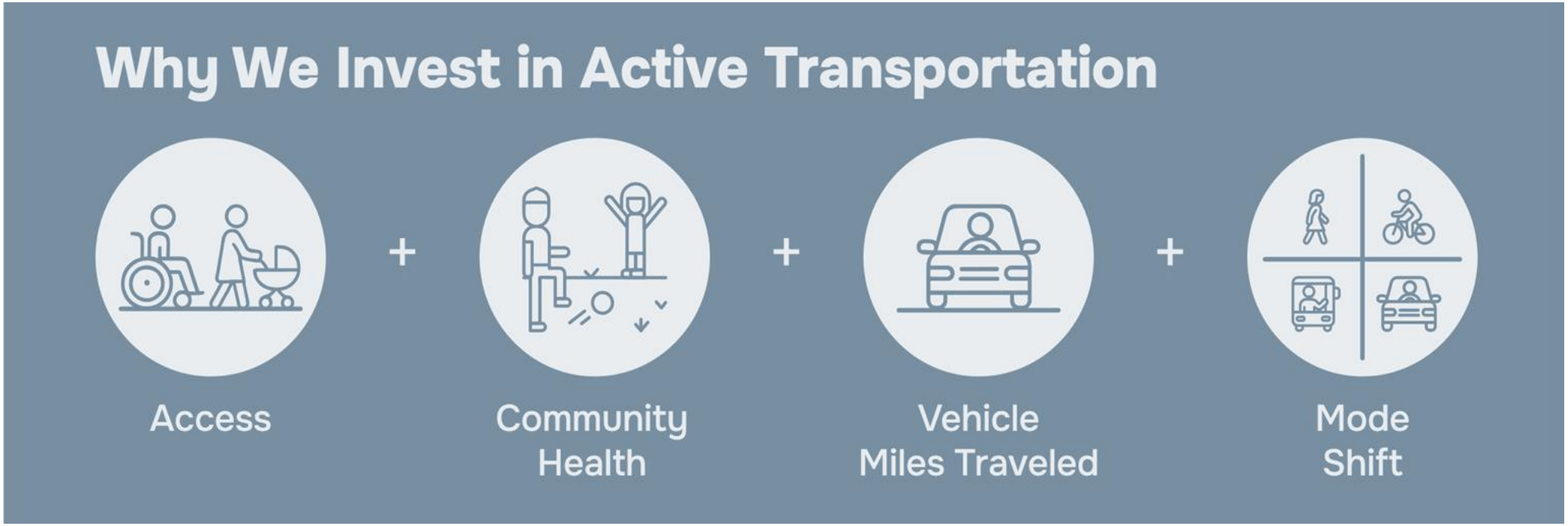
Biking, Walking, and Rolling Plan Need



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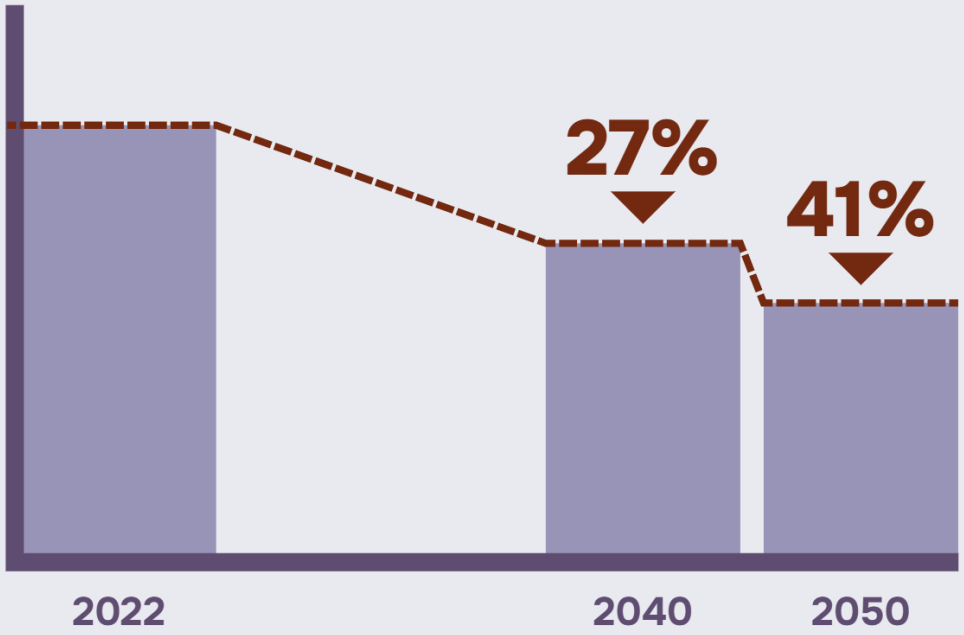
Vehicle Miles Traveled & Mode Share Goals

VMT Reduction Goal

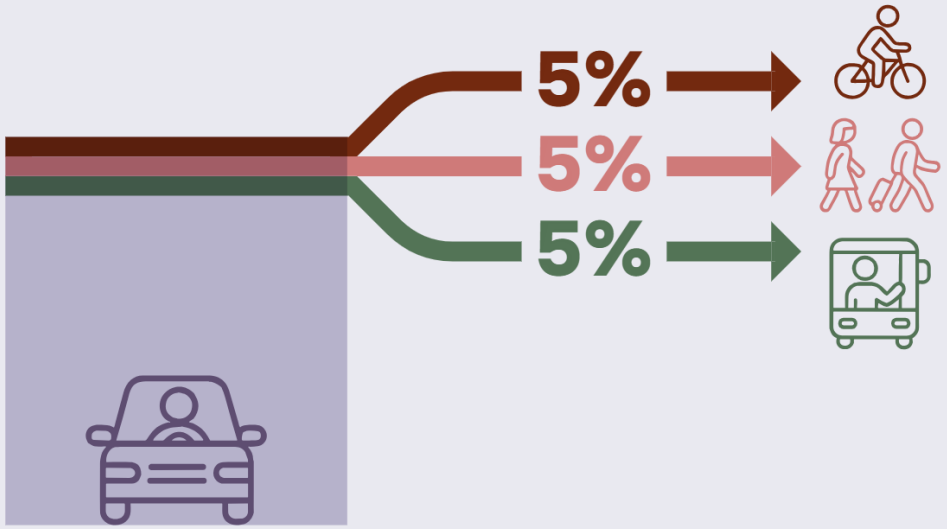
By 2040, 27% lower per capita VMT
By 2050, 41% lower per capita VMT



Mode Share Goal

Shift single occupancy vehicle by:

- 5% to bike trips
- 5% to walking trips
- 5% to transit trips



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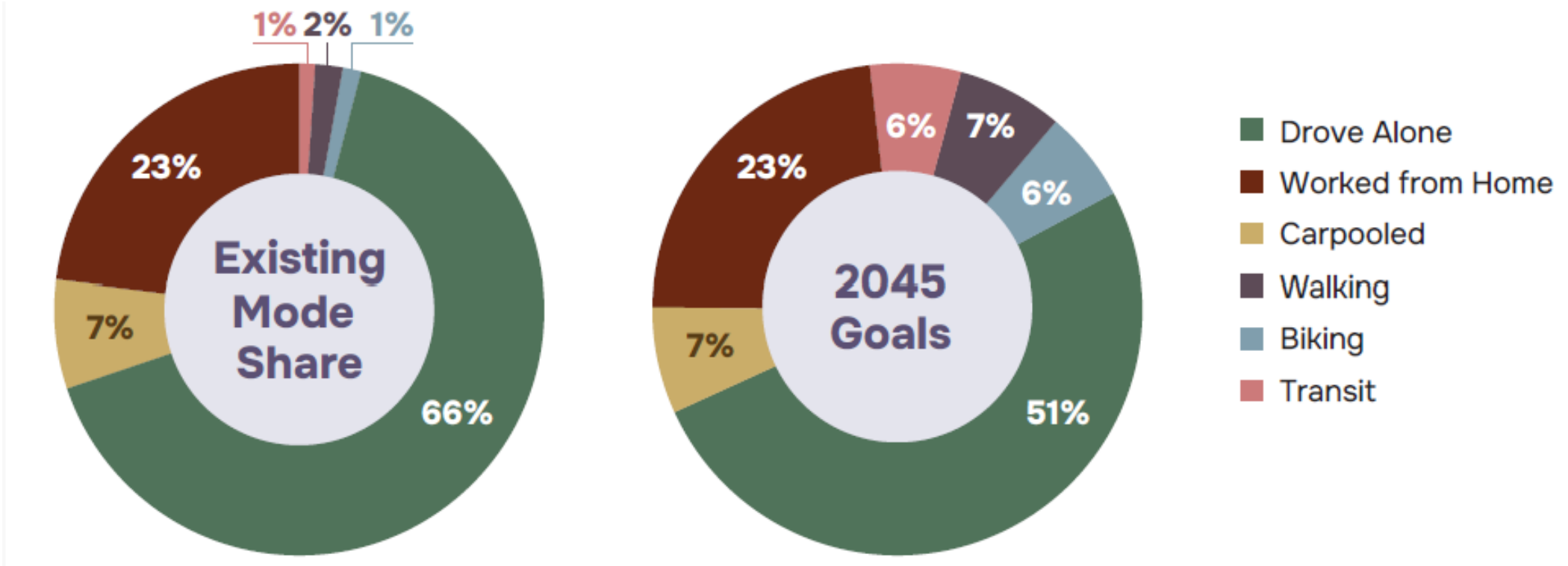
Mode Share Goals



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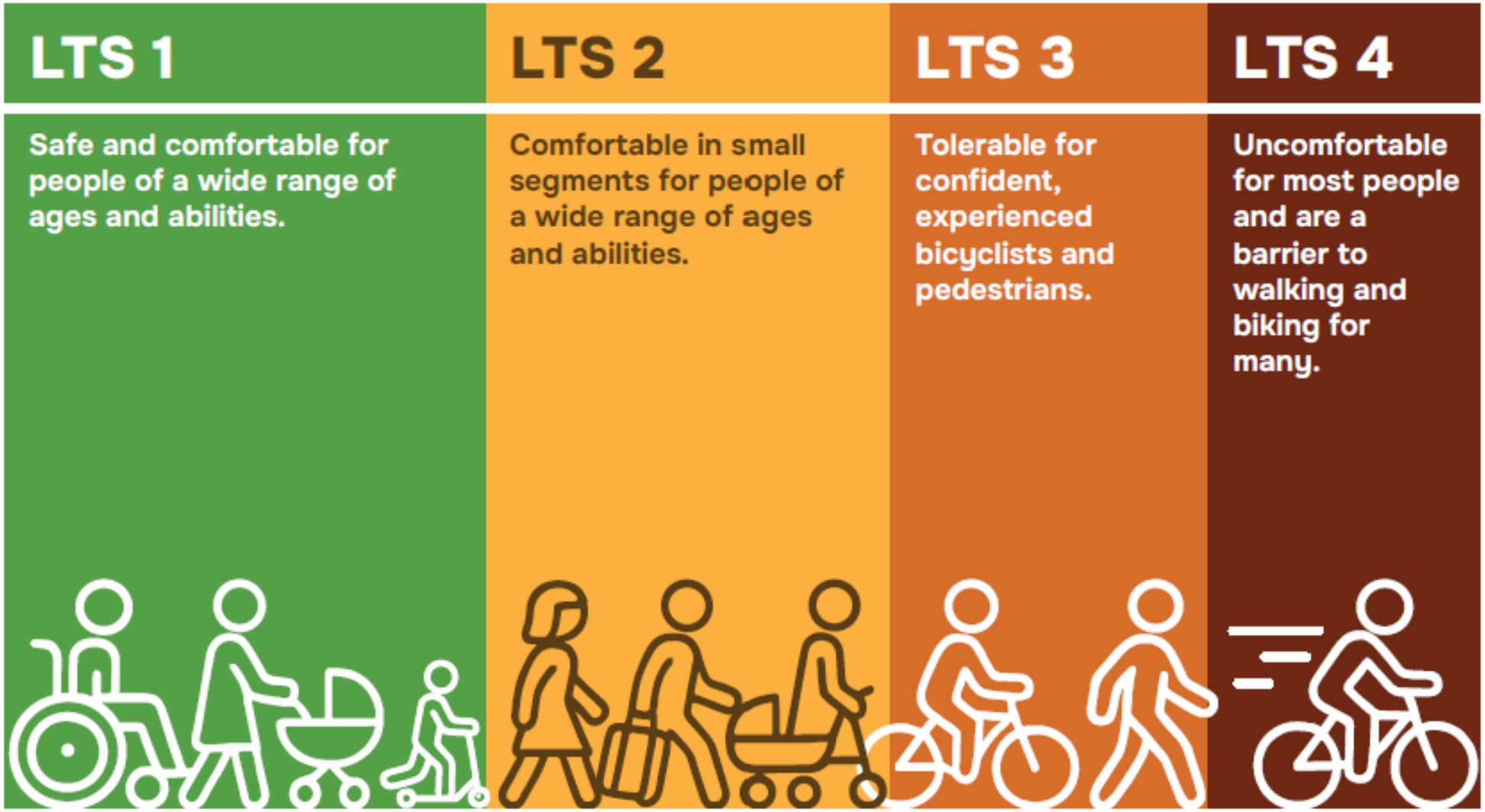
Level of Traffic Stress (LTS)



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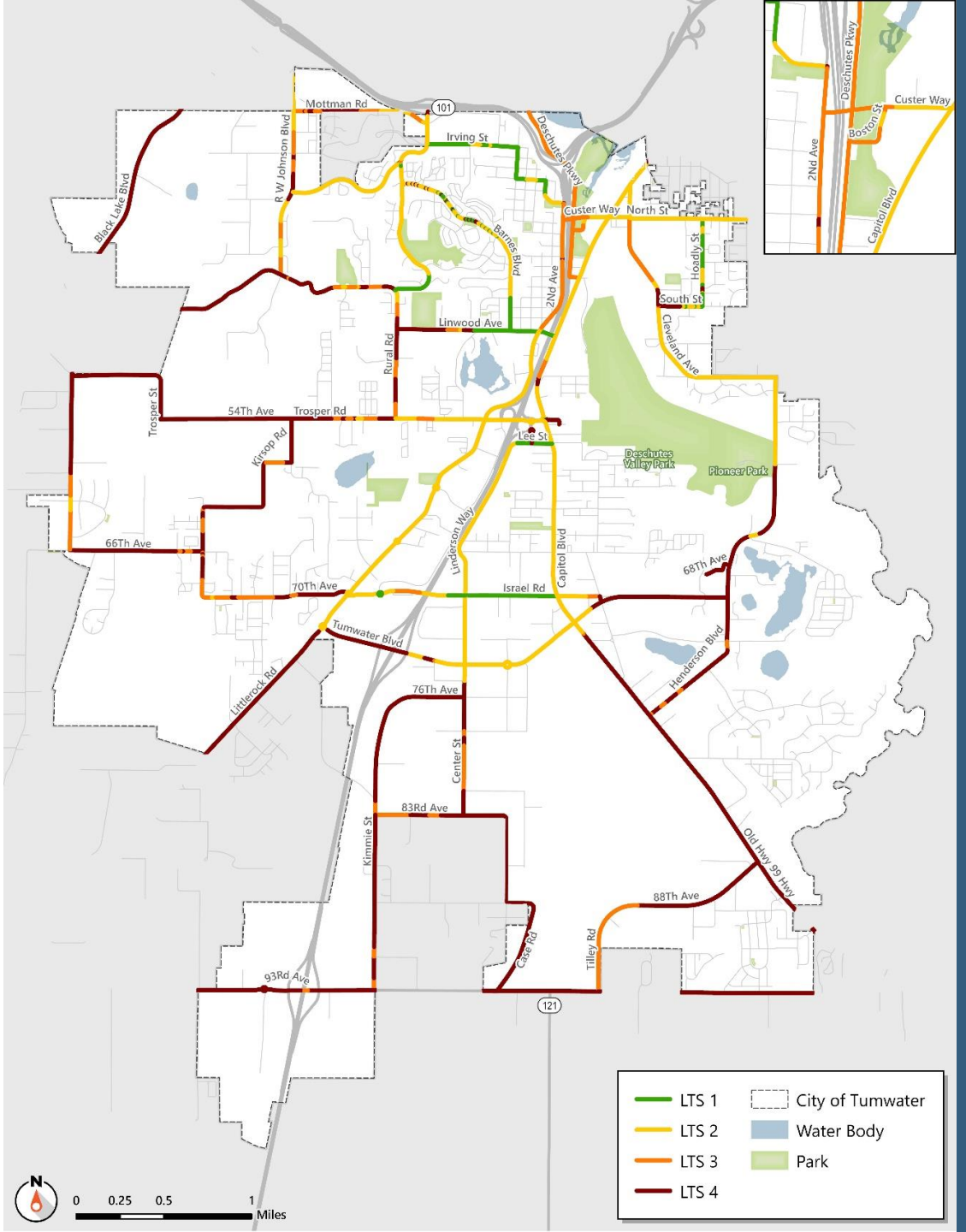
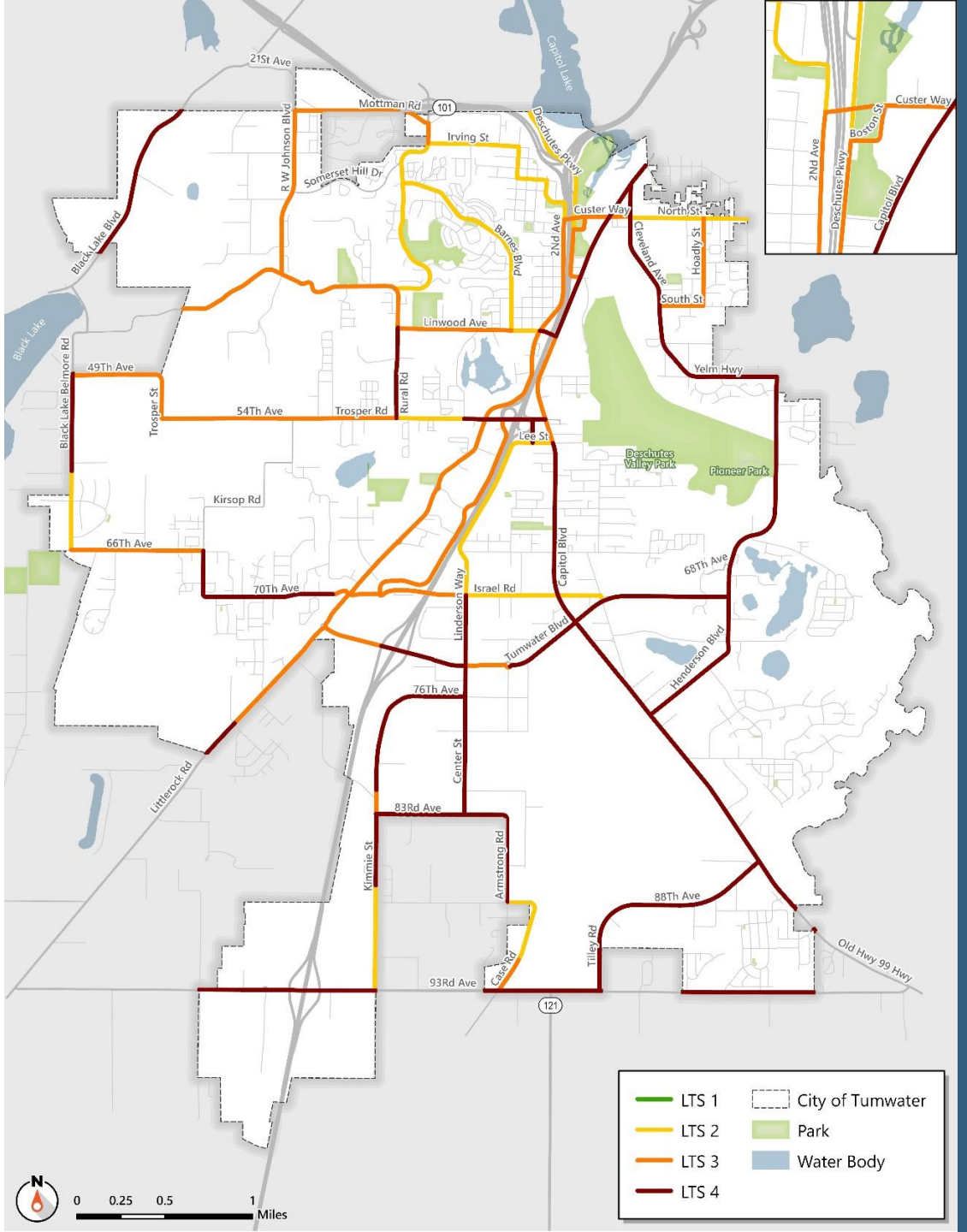
Existing Pedestrian Level of Traffic Stress

Roadway Classification	No Ped Facility	Sidewalk One Side	Sidewalk Both Sides	Separated Path/Trail
Local	4	2	1	1
Collector	4	2	2	1
Arterial	4	3	2	1



Existing Bicycle Level of Traffic Stress

Roadway Characteristics		Bicycle Facility Component					
Speed Limit (mph)	Annual Average Daily Traffic	No Bicycle Facility	Wide Shoulder	Striped Bike Lane	Buffered Bike Lane (Horizontal)	Separated Bike Lane (Vertical)	Shared Use Path
25	<1,500	3	1	1	1	1	1
	1,500 – 7,000	3	2	2	2	1	1
	>7,000	4	2	2	2	1	1
30	<7,000	4	3	2	2	1	1
	7,000 – 15,000	4	3	3	2	1	1
	>15,000	4	4	3	3	2	1
35	<15,000	4	4	3	3	3	1
	>15,000	4	4	4	3	3	1
>35	Any	4	4	4	4	3	1



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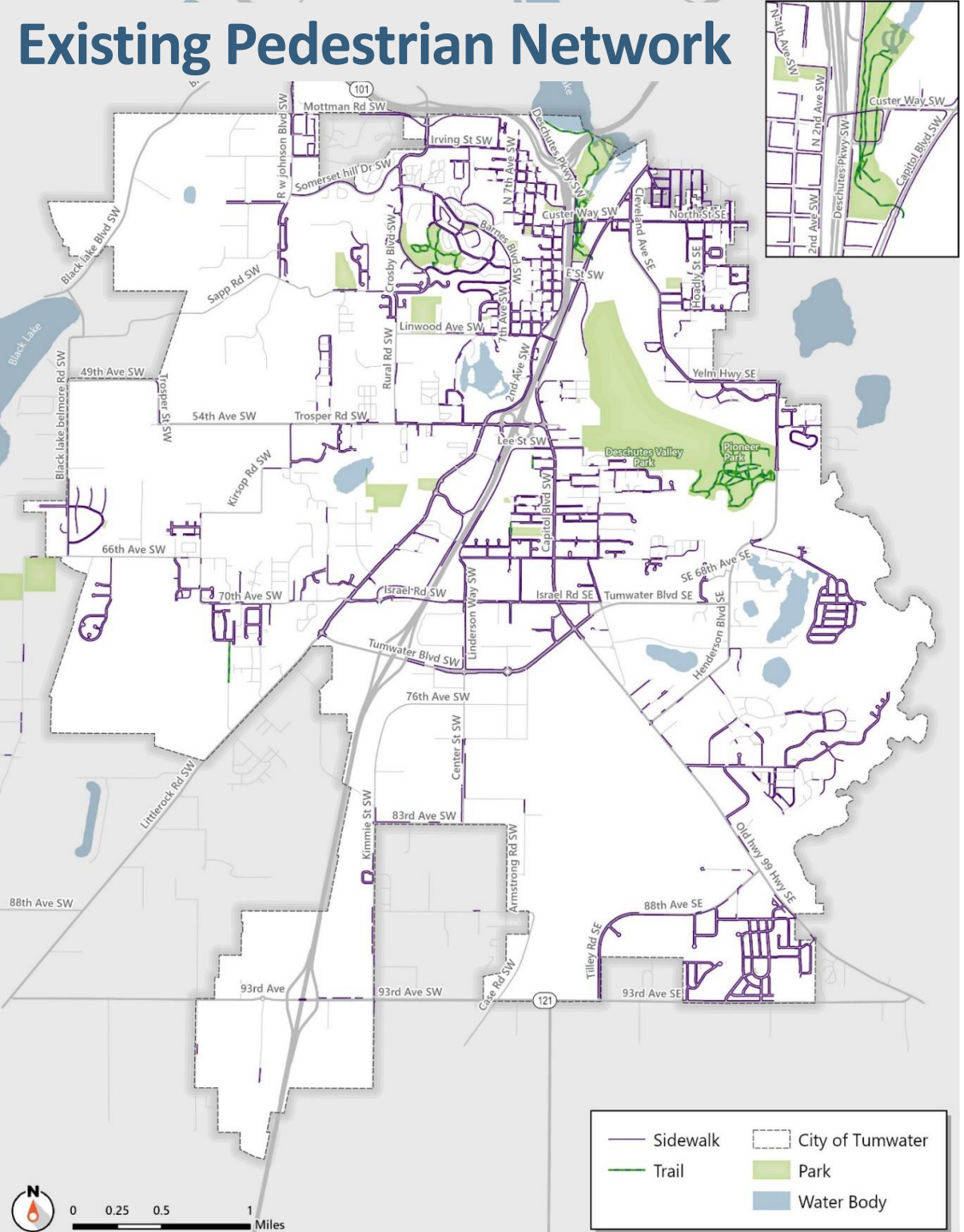
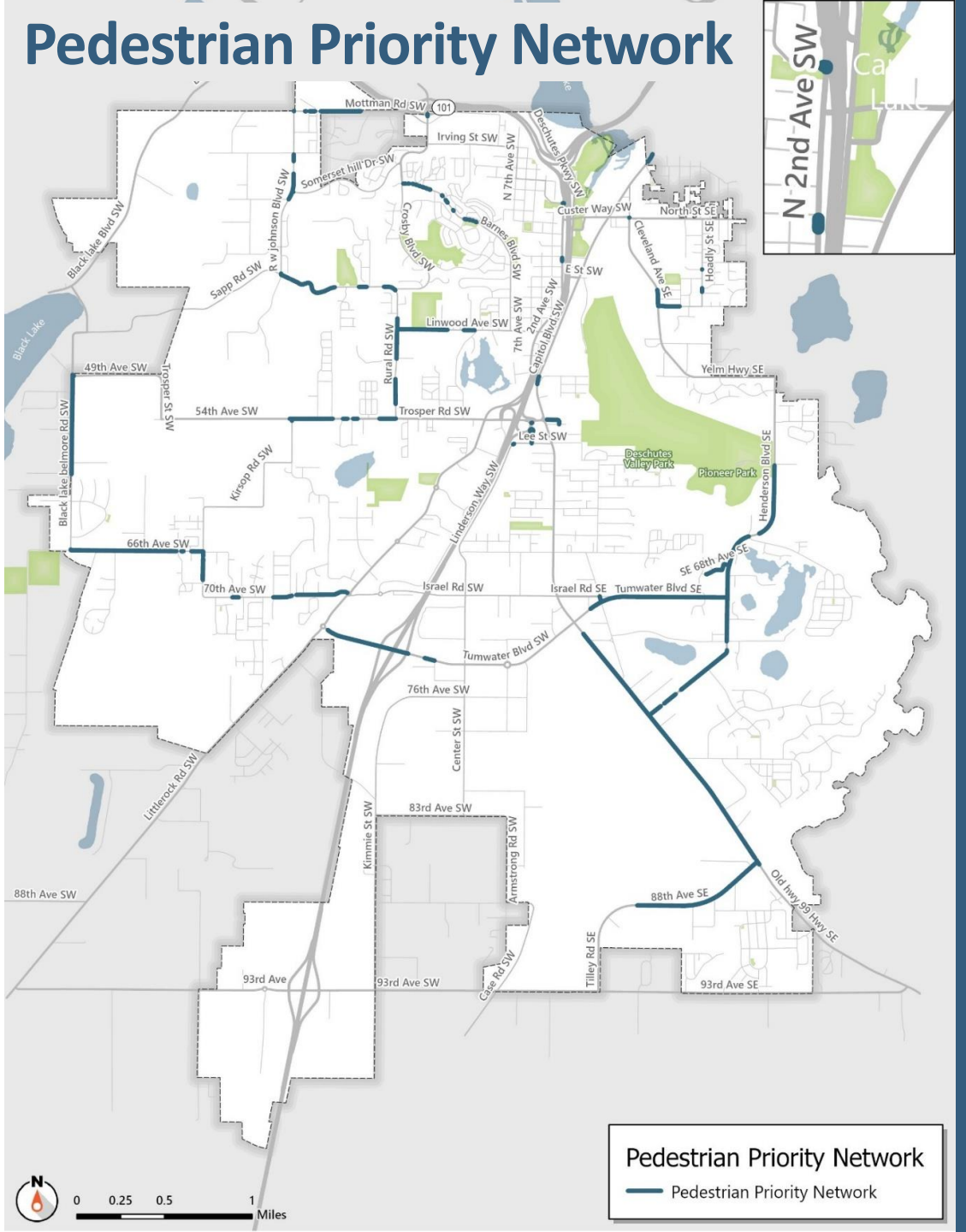
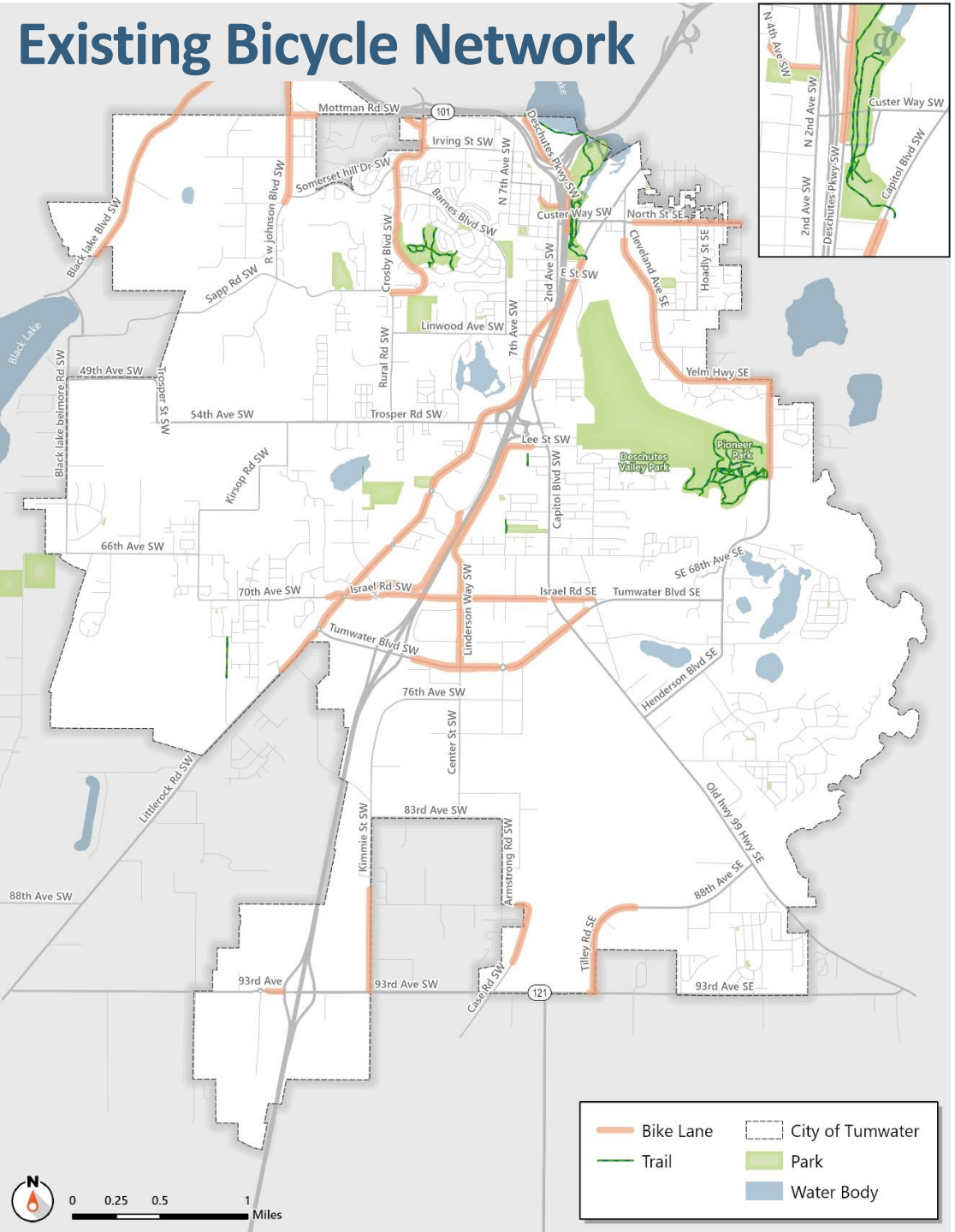
Existing Pedestrian Network



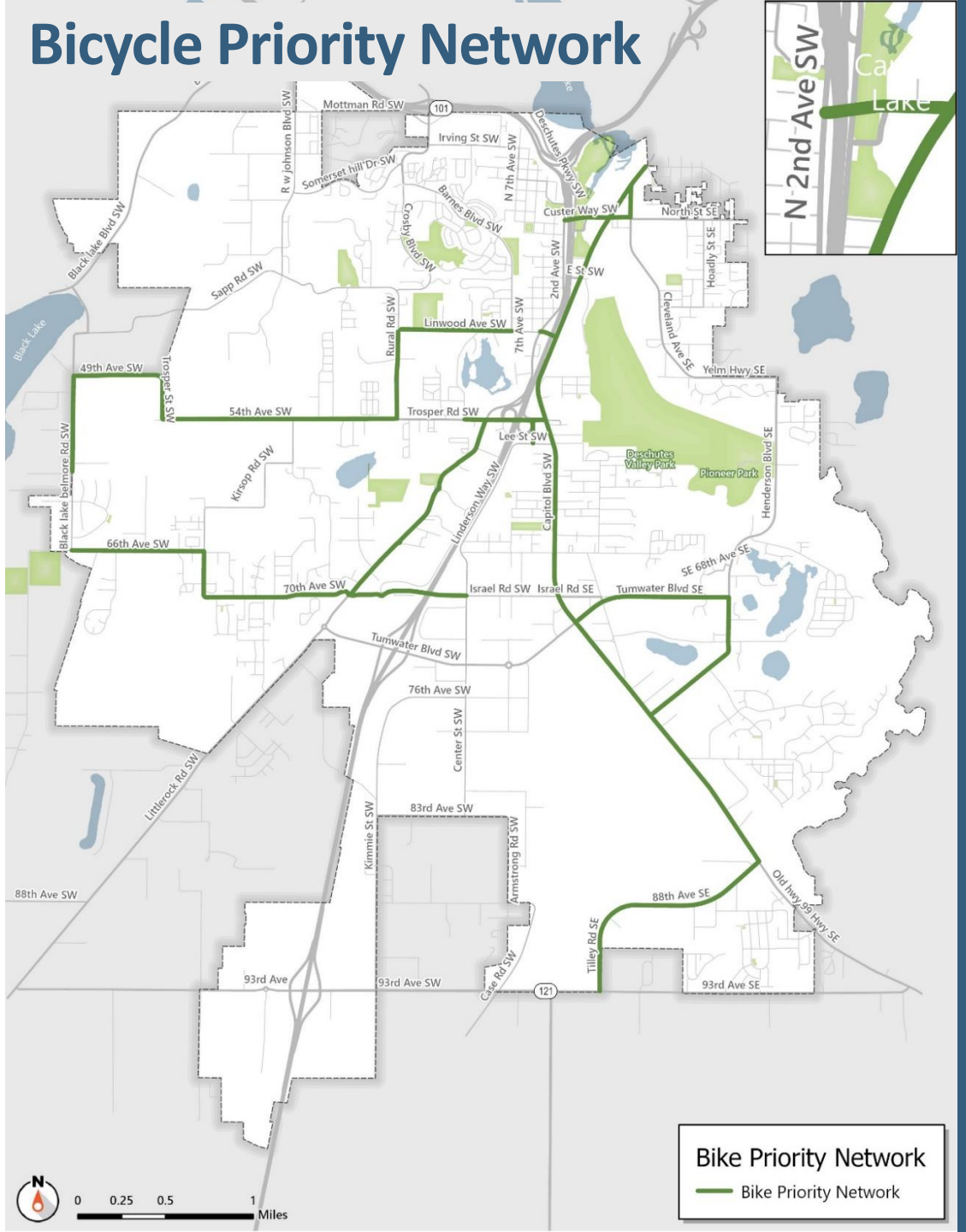
Pedestrian Priority Network



Existing Bicycle Network

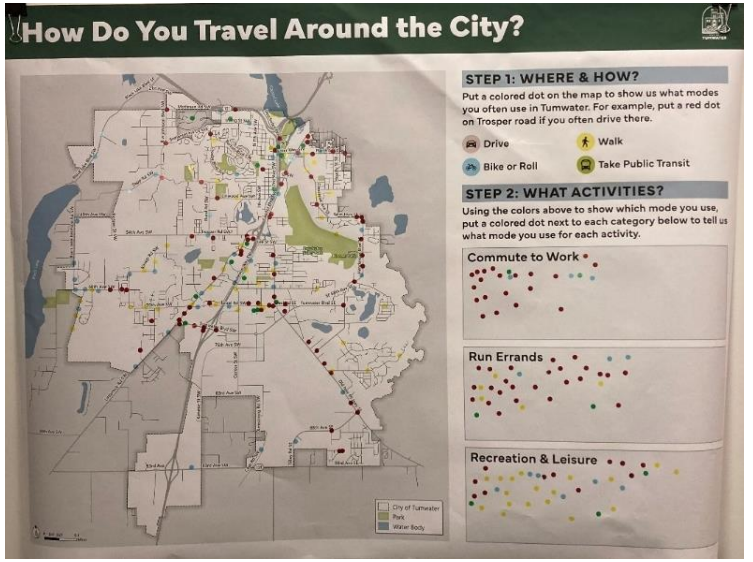


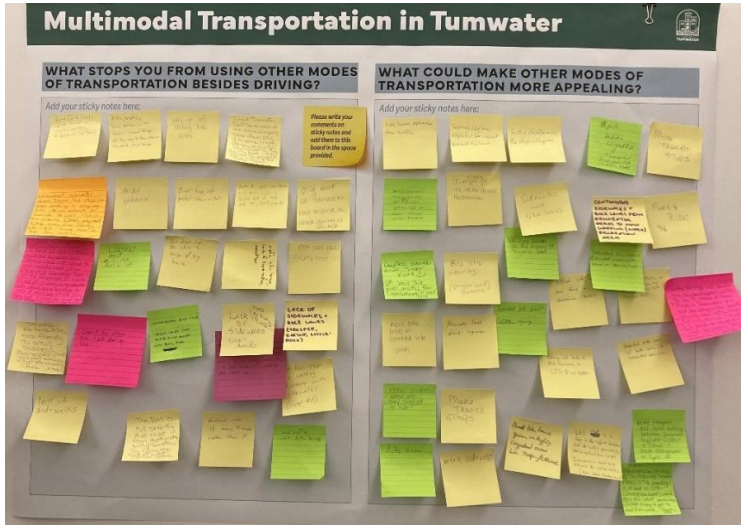
Bicycle Priority Network



Public Outreach

- Transportation Tour – Planning Commission and City Council
- The Transportation Open House
- Community members were asked:
  - How do you travel around the city?
  - What stops you from using other modes of transportation besides driving?
  - What could make other modes of transportation more appealing?





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Draft 2025 Transportation Plan Goals

Goal T-1	Improve and maintain a complete system that efficiently supports people walking, rolling, biking, accessing transit, driving, and making regional connections.
Goal T-2	Prioritize safety and quality of life especially for the most vulnerable users of Tumwater's system.
Goal T-3	Invest wisely to support a resilient and maintainable transportation system.
Goal T-4	Minimize our impacts and advance environmental goals.
Goal T-5	Build public support for transportation system improvements by incorporating robust outreach as part of transportation plans and design projects.

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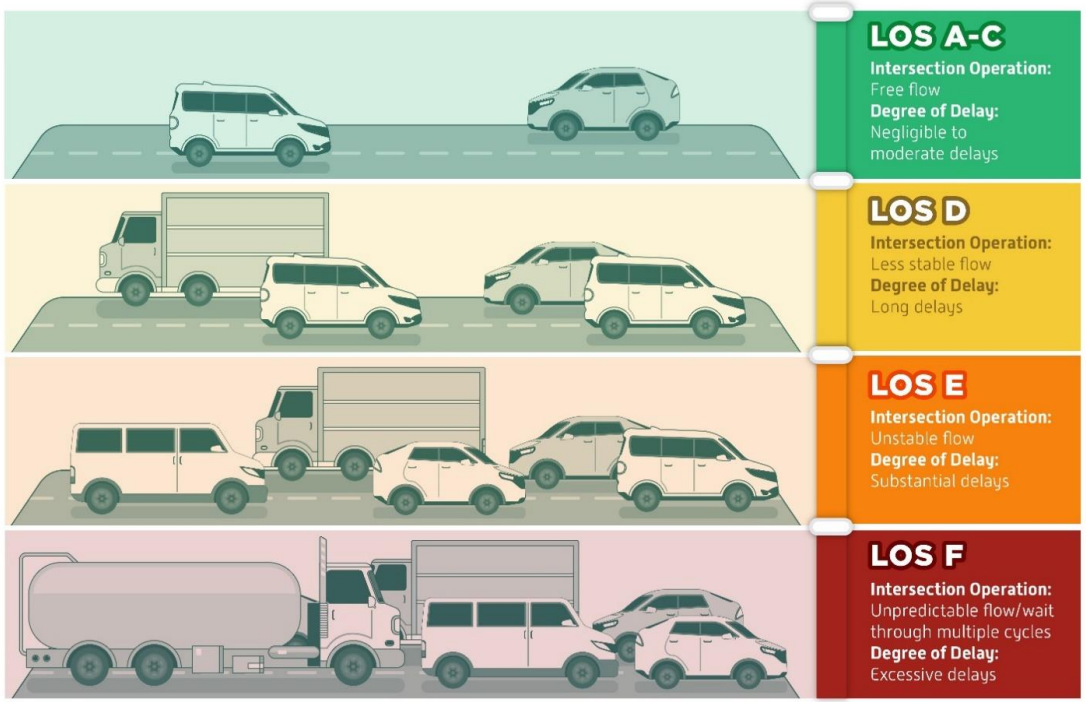
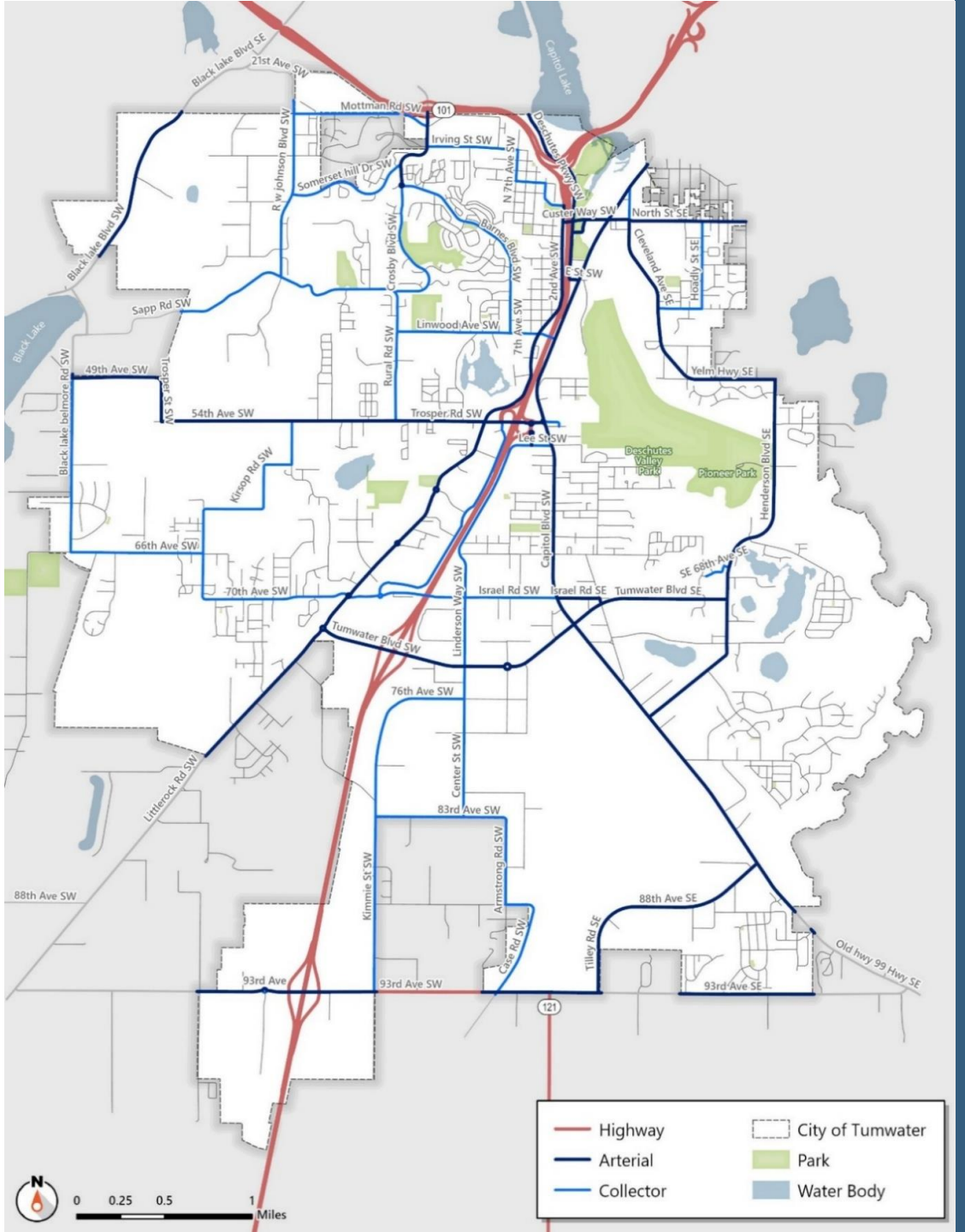
Automobile Network

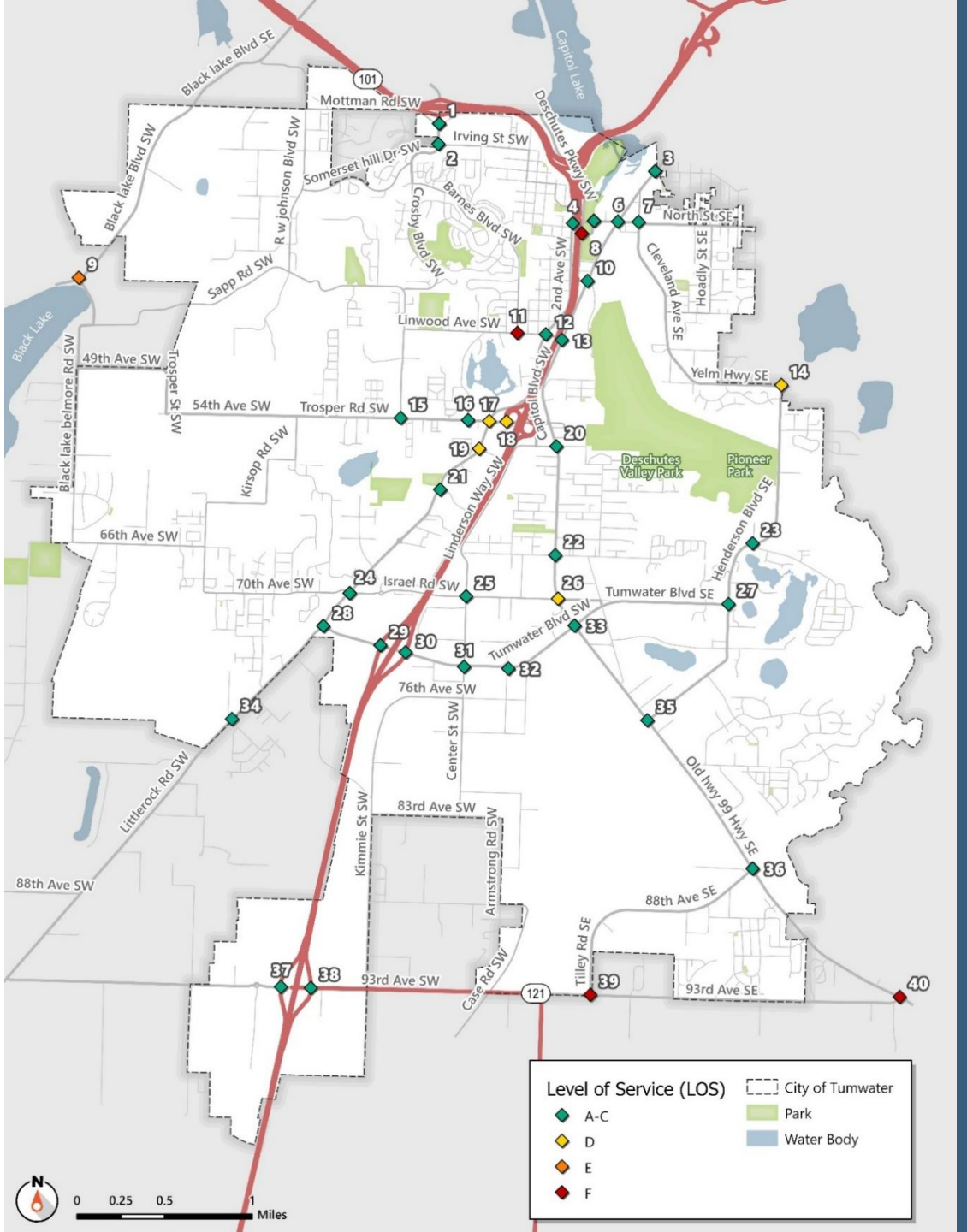


The City has a **level of service standard D**, except within the urban core area, which is allowed to reach **level of service E**

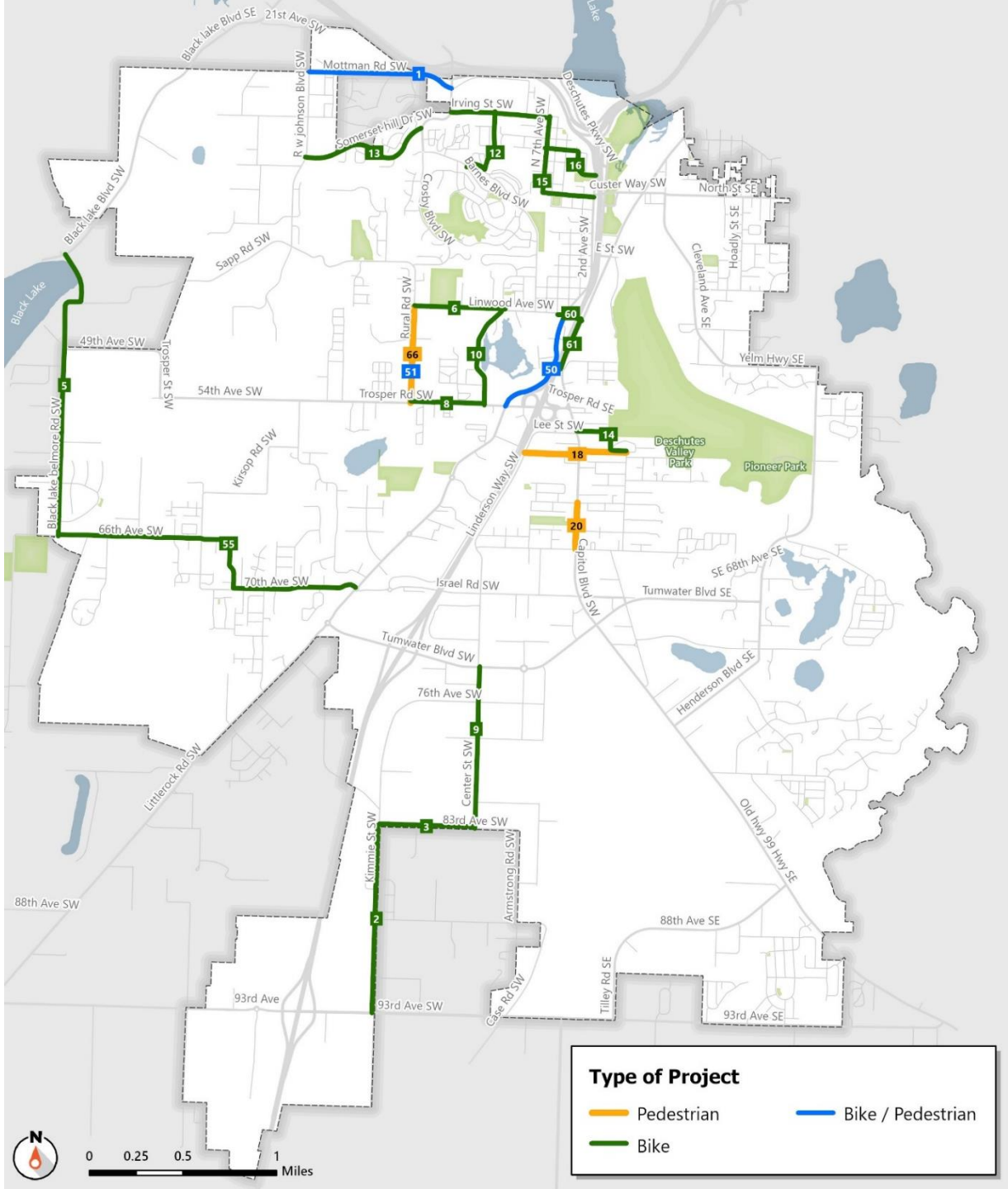


Future Automobile Network

- 40 study intersections
- 11 intersections are planned roundabouts
- 5 intersections expected to exceed level of service standards without improvements



High Priority Projects



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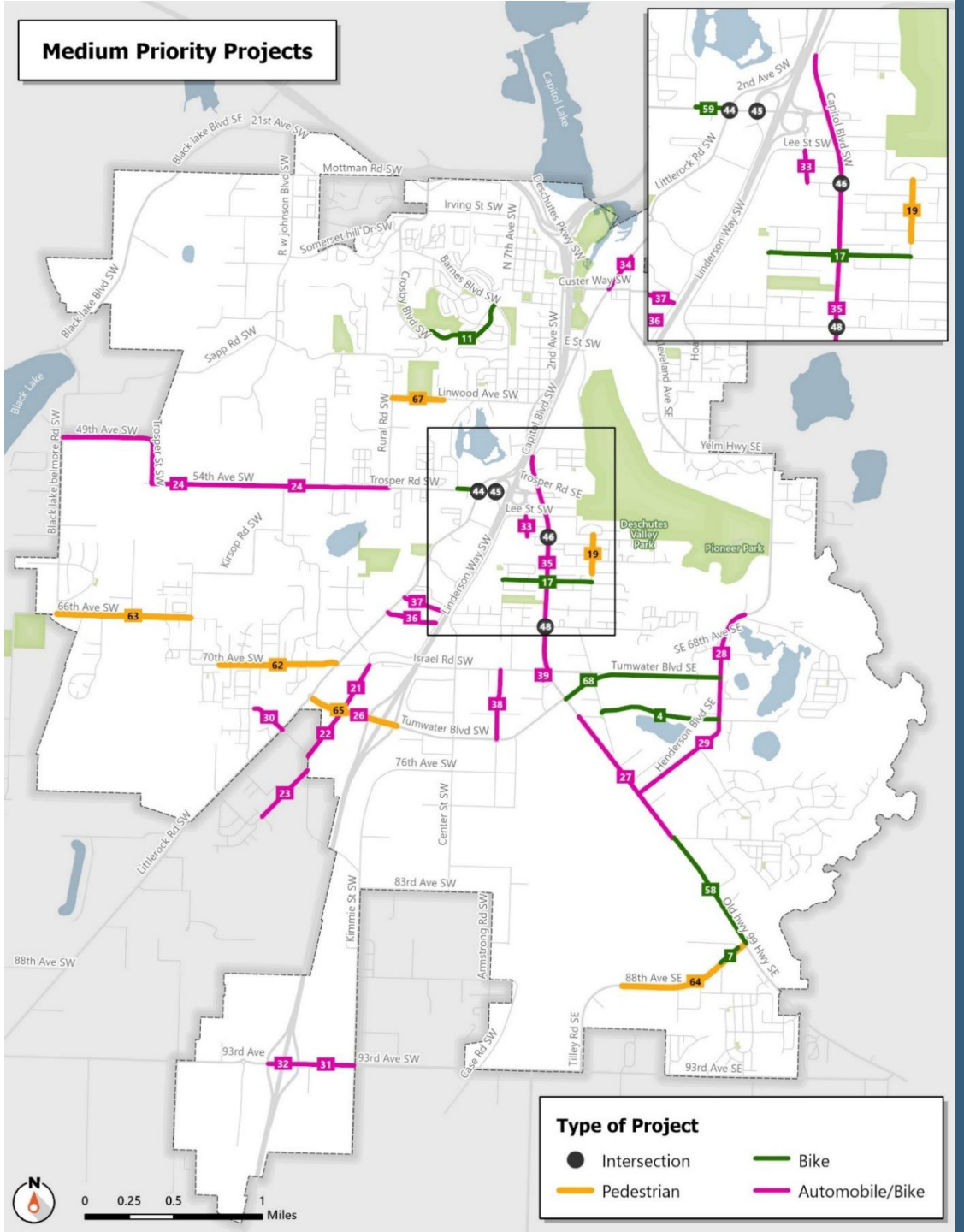
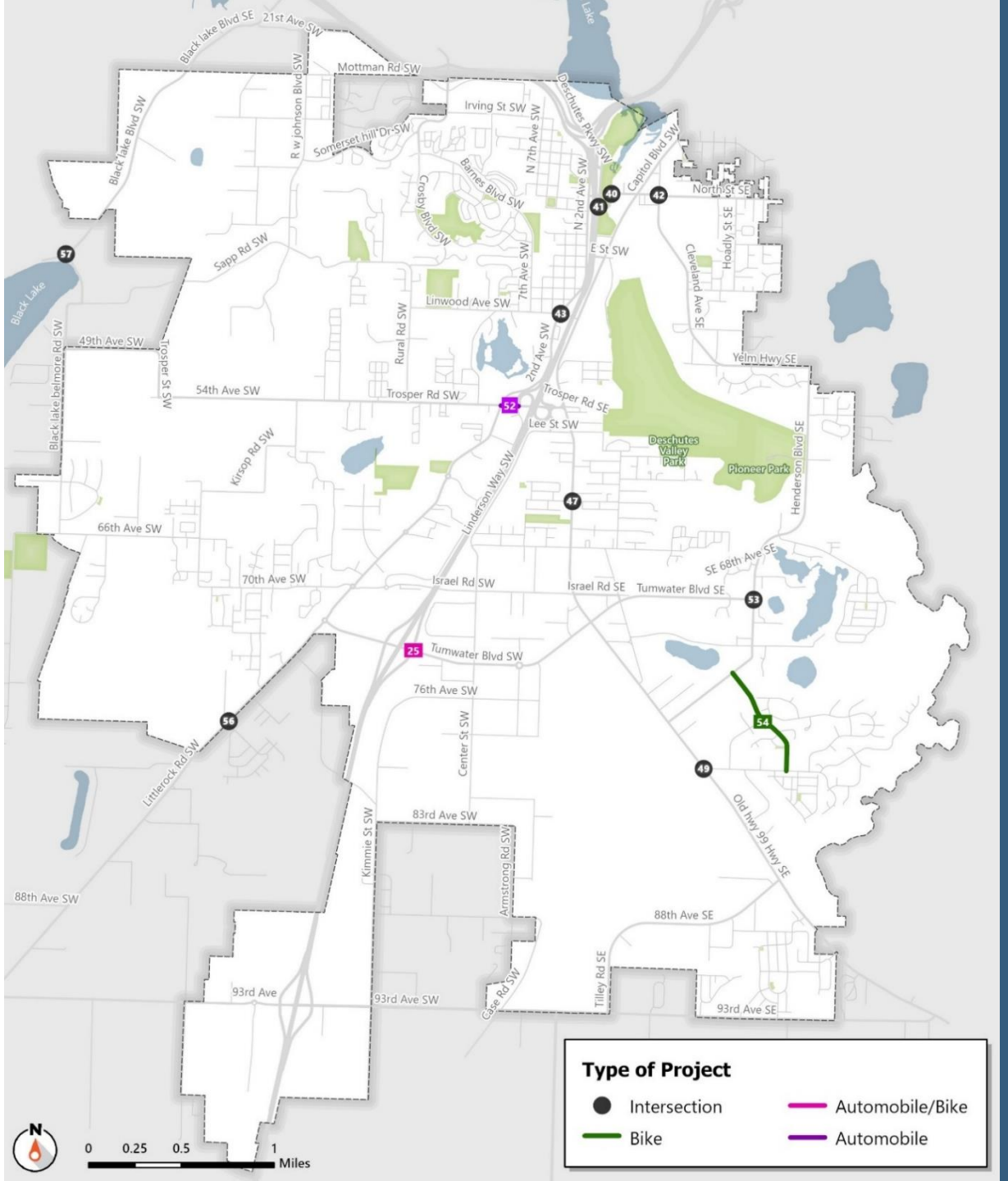
Medium Priority Projects



Low Priority Projects



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20-year Project List

Project ID	Title	Description	Mode	Cost ($)	Priority
1	Mottman Road Sidewalk and Bike Lane Improvements	Install sidewalk on the north side of Mottman Road from the vicinity of Crosby Boulevard to R.W. Johnson Boulevard. Note that sidewalks and bike lanes will be added to both sides of Mottman between Mottman Court and R.W. Johnson Boulevard during a pavement resurfacing project.	Bike / Ped	1,900,000	High
2	76th Ave / Kimmie Street Bike Facilities (City)	Striped Bike Lanes from 83rd Avenue to 93rd Avenue.	Bike	500,000	High
3	83rd Avenue Bike Facilities	Striped Bike Lanes from Kimmie Street to Center Street	Bike	700,000	High
4	Bonniewood Drive Bike Facilities	Striped Bike Lanes from Dennis Street to Old Highway 99	Bike	1,200,000	Medium
5	Black Lake-Belmore Road Bike Lanes	Striped Bike Lanes from 66th Avenue to Black Lake Boulevard	Bike	4,000,000	High
6	Linwood Avenue Bike Facilities	Striped Bike Lanes from Sapp Road to G Street	Bike	2,400,000	High
7	88th Avenue Bike Facilities	Striped Bike Lanes from just west of Cabot Drive to 85th Avenue	Bike	400,000	Medium
8	Trosper Road Bike Facilities	Striped Bike Lanes from Lake Park Drive to Rural Road	Bike	50,000	High
9	Center Street Bike Facilities	Striped Bike Lanes from Tumwater Boulevard to 83rd Avenue	Bike	50,000	High
10	Lake Park Drive Bike Facilities	Striped Bike Lanes from Linwood Avenue to Trosper Road	Bike	200,000	High
11	Vista Loop Bike Facilities	Striped Bike Lanes from Crosby Boulevard to Barnes Boulevard	Bike	200,000	Medium
12	12th Avenue / Vista Loop Bike Facilities	Striped Bike Lanes from Barnes Road to Irving Street	Bike	500,000	High
13	Somerset Hill Road Bike Facilities	From R.W. Johnson Boulevard to Crosby Boulevard. Consider widening existing 8' path to 12' in lieu of on-street bike facilities.	Bike	800,000	High
14	Lee Street / Boston Avenue / Hazelhurst Bike Facilities	Striped Bike Lanes from Capitol Boulevard to Elm Street	Bike	30,000	High
15	7th Avenue / Bates Street / 3rd Avenue Bike Facilities	Striped Bike Lanes from 2nd Avenue to Crosby Boulevard	Bike	150,000	High

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20-year Project List

Project ID	Title	Description	Mode	Cost ($)	Priority
16	Desoto Street / 4th Avenue / Ferry Street Bike Facilities	Striped Bike Lanes from 7th Avenue to 2nd Avenue	Bike	100,000	High
17	X Street Shared Bike Streets	Upgrade as necessary and sign with 'sharrows' X Street, from Elm Street to 7th Ave.	Bike	30,000	Medium
18	New Pedestrian Connection from Linderson Way to Elm Street, in vicinity of T Street	Pedestrian facilities offering a direct route between Linderson Way and Elm Street with a crossing at Capitol Way. Preferred route roughly aligns with T Street and Pinehurst Drive.	Pedestrian	500,000	High
19	Elm Street Sidewalks	Completion of sidewalk facilities on Elm Street between Pinehurst and W Street.	Pedestrian	160,000	Medium
20	North-South Pedestrian Connection between X Street and Dennis Street	Create a new pedestrian / non-motorized connection through the future shared-use pathway on the BPA alignment to connect X Street and Dennis Street in the vicinity of Tumwater High School.	Pedestrian	300,000	High
21	Tyee Dr -- Israel Rd to Tumwater Blvd	Construct 5 lane extension or 3 lane if roundabout nodes, including intersection improvements at Tumwater Blvd	Automobile / Bike	4,000,000	Medium
22	Tyee Dr -- Tumwater Blvd to Prine Dr	Construct 5 lane extension or 3 lane if roundabout nodes, including intersection improvements at Prine Dr	Automobile / Bike	3,000,000	Medium
23	Tyee Dr -- Prine Dr to Littlerock Rd Brenden St	Construct 3 lane extension along with bike lane facilities.	Automobile / Bike	7,400,000	Medium
24	Trosper Rd -- Lake Park Dr to Rural Rd	Repurpose asphalt to provide 3 travel lanes and bike lane facilities.	Automobile / Bike	225,000	Medium
25	Tumwater Blvd -- I-5 Interchange	Install RAB and widen bridge to accommodate bike lanes.	Automobile / Bike	23,000,000	Low
26	Tumwater Blvd -- I-5 SB ramps to Tyee	Widen to 5 lanes and add bike lane facilities.	Automobile / Bike	3,500,000	Medium
27	Old Highway 99 -- 73rd Ave to 88th Ave	Widen to 4 lanes with median, bike lanes and intersection improvements at Bonniewood Drive, Henderson Blvd, and 88th Ave.	Automobile / Bike	22,000,000	Medium
28	Old Highway 99 -- 88th Ave to 93rd Ave	Widen to 3 lanes.	Automobile	2,500,000	Low
29	Henderson Blvd -- Tumwater Blvd to Old Hwy 99	Widen to 3 lanes.	Automobile	4,000,000	Medium

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20-year Project List

Project ID	Title	Description	Mode	Cost ($)	Priority
30	73rd Ave -- Prine Dr Ext to 73rd/66th Connector	Construct 2 lane road along with striped bike lanes.	Automobile / Bike	2,000,000	Medium
31	SR 121 (93rd Ave) -- I-5 NB Ramps to Kimmie St	Widen to 5 lanes with bike facilities, including roundabout at Kimmie Street.	Automobile / Bike	7,000,000	Medium
32	SR 121 (93rd Ave) -- I-5 Interchange	Widen bridge to 5 lanes and install roundabouts at on and off ramps.	Automobile / Bike	20,000,000	Medium
33	6th Ave -- T St to Lee St	Construct 2 lane roadway along with striped bike lane facilities.	Automobile / Bike	1,500,000	Medium
34	Capitol Blvd -Custer Way to Carlyon Ave	Reduce to 4 lanes, install bike lanes.	Automobile / Bike	100,000	Medium
35	Capitol Blvd -- M St to Israel Rd	Reduce to 4 lanes, construct roundabouts at select intersections, install bike lanes, and construct median	Automobile / Bike	30,000,000	Medium
36	Odegard Rd -- Littlerock Rd to Tyee Dr	Construct 2 lane road with on-street parking and bike lanes.	Automobile / Bike	200,000	Medium
37	Bishop Rd -- Littlerock Rd to Tyee Dr	Construct 2 lane road with on-street parking and bike lanes.	Automobile / Bike	500,000	Medium
38	New Market St -- Tumwater Blvd to Israel Rd	Construct 2 lane road with on-street parking and bike lanes.	Automobile / Bike	3,000,000	Medium
39	Town Center Connector -- Tumwater Blvd to Israel Rd	Construct 2 lane road with on-street parking and bike lanes.	Automobile / Bike	1,000,000	Medium
40	Boston St at Custer Way	Install Roundabout.	Intersection	7,500,000	Low
41	Deschutes Way at Boston St	Install traffic signal	Intersection	500,000	Low
42	Cleveland Ave at Custer Way/North St	Install Roundabout.	Intersection	5,000,000	Low
43	Linwood Ave at 2nd Ave	Install Roundabout.	Intersection	5,000,000	Low

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20-year Project List

Project ID	Title	Description	Mode	Cost ($)	Priority
44	Trosper Rd at 2nd Ave/Littlerock Rd	Install Roundabout.	Intersection	6,000,000	Medium
45	Trosper Rd at Tyee Dr/SB I-5 Ramps	Install Roundabout.	Intersection	6,000,000	Medium
46	T St at Capitol Blvd	Install Roundabout.	Intersection	6,000,000	Medium
47	X St at Capitol Blvd	Install Roundabout.	Intersection	7,000,000	Low
48	Dennis St at Capitol Blvd	Install Roundabout.	Intersection	6,000,000	Medium
49	Old Hwy 99 at 79th Ave	Install Roundabout.	Intersection	5,000,000	Low
50	2nd Ave Pedestrian and Bike Improvements	Identify gaps and add buffered bike lane facilities to achieve LTS 2.	Bike / Ped	3,855,000	High
51	Rural Rd Shoulder Improvements		Bike / Ped	500,000	High
52	Trosper Road Capacity Study (Littlerock Rd to 1-5)		Automobile	400,000	Low
53	Tumwater Blvd and Henderson Blvd Intersection Improvements		Intersection	3,000,000	Low
54	E Street Connection - Capitol Blvd to Cleveland Ave	Construct 4 lane roadway across Tumwater valley, including E St and Cleveland Ave intersections.	Automobile	60,000,000	Low
55	66th Avenue / 70th Avenue Bike Lanes	Install bike lanes from Black Lake-Belmore Road to Littlerock Road	Bike	3,400,000	High
56	Littlerock Rd and 77th Way Roundabout	Install Roundabout.	Intersection	5,000,000	Low
57	Black Lake Belmore at Black Lake Blvd	I Install Roundabout.	Intersection	5,000,000	Low
58	Henderson Blvd Corridor - Yelm Hwy to Tumwater Blvd	Widen roadway to 4/5 lane section, widen bridge over Deschutes River, install intersection improvements and pedestrian facilities	Automobile	24,000,000	Medium

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20-year Project List

Project ID	Title	Description	Mode	Cost ($)	Priority
A	Multimodal Improvements Program	Various locations throughout the city. Intent is to create a safer and more inviting multimodal transportation system. Specific projects developed as a part of the six-year Transportation Improvement Plan process.	Program-matic	16,500,000	High
B	Safe Routes to School Projects	Improve pedestrian and bicyclist safety near schools. Projects include sidewalks, lighting, flashing beacons, signage, markings, and other measures. Project details developed as a part of the six-year Transportation Improvement Plan process.	Program-matic	2,000,000	Medium
C	Pavement Maintenance Program	This program is designed to preserve and enhance the condition of roadways, sidewalks, and other paved surfaces.	Automobile	20,000,000	Medium
58	Old Highway 99 Bike Connectivity Improvement	Bike lanes that connect the southern extents of Old Highway 99 until 88th Avenue SE.	Bike		Medium
59	Trosper Road Bike Gap Infill	Infilling Bike network gaps to ensure Trosper Road meets LTS 2 standard.	Bike		Medium
60	Linwood Avenue East West Connector	Provides and east west bike connection that crosses I5 and connects eastern and western portions of the city.	Bike		High
61	Capitol Boulevard Bike LTS Improvement	Provides a northern connection with an LTS of 2 for the main Capitol Boulevard improvement.	Bike		High
62	70th Avenue Pedestrian Improvements	Infill Pedestrian sidewalk gaps to improve LTS and provide critical connections.	Bike		Medium
63	66th Avenue Sidewalk Improvements	Infill Pedestrian sidewalk gaps to improve LTS and provide critical connections.	Pedestrian		Medium
64	88th Avenue Sidewalk Improvements	Infill Pedestrian sidewalk gaps to improve LTS and provide critical connections.	Pedestrian		Medium
65	Tumwater Boulevard SW Sidewalk Extension	Infill Pedestrian sidewalk gaps to improve LTS and provide critical east west connection.	Pedestrian		Medium
66	Rural Road Sidewalk Development	Infill Pedestrian sidewalk gaps to improve LTS and provide critical connections.	Pedestrian		High
67	Linwood Avenue SW Sidewalk Infill	Infill Pedestrian sidewalk gaps to improve LTS and provide critical connections.	Pedestrian		Medium
68	Tumwater Boulevard SW Bike Lane Development	This project will convert wide lanes on Tumwater Boulevard SW to bike lanes to improve the associated LTS of the facility.	Bike		Medium

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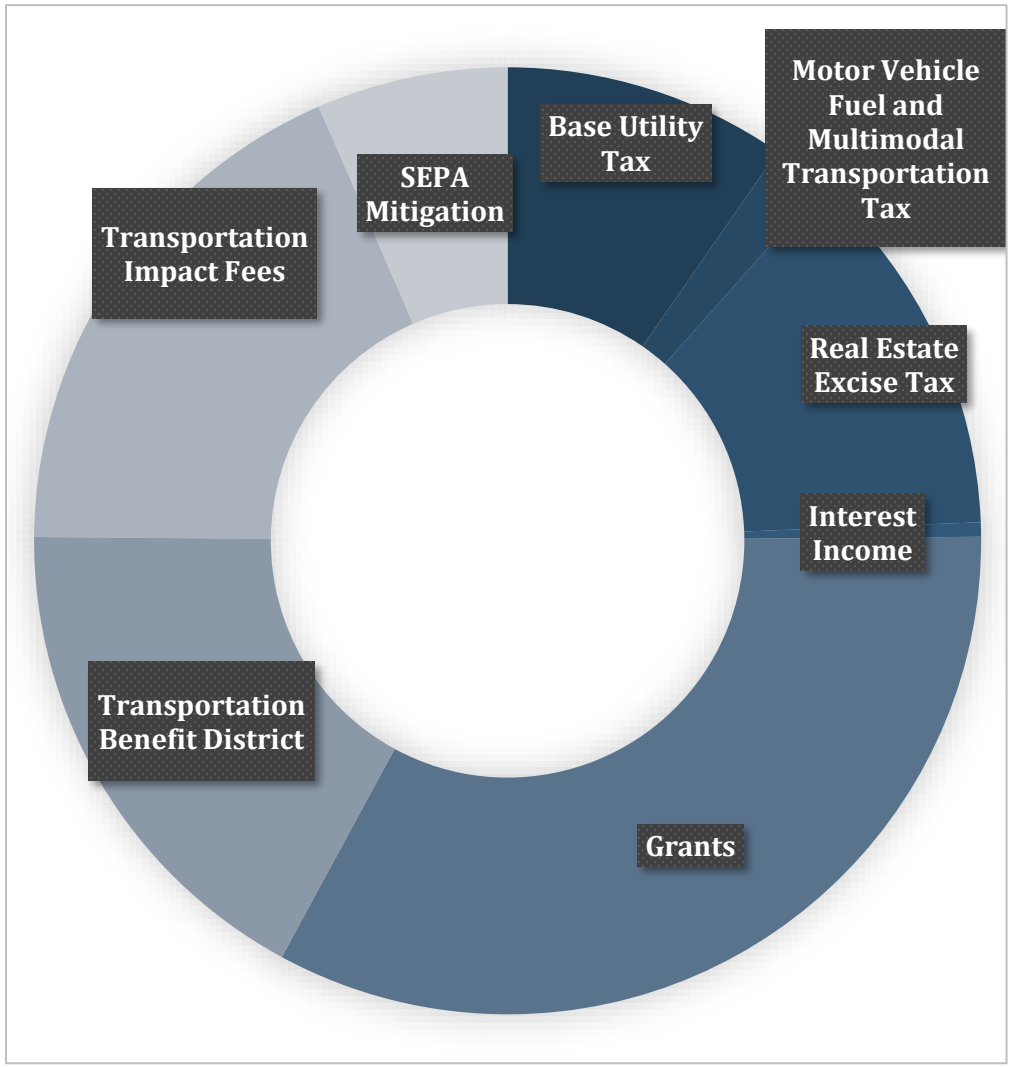
Funding

Fund Source	20 - Year Estimate
Base Utility Tax (.8% of the 12%)	$20,715,000
Motor Veh. Fuel and Multimodal Transp. Tax	$4,095,000
Real Estate Excise Tax (.05%)	$27,487,000
Retail Sales & Use Tax	$ -
Interest Income	$1,050,000
Grants	$70,902,000
Transportation Benefit District	$36,943,000
Transportation Impact Fees	$39,337,000
SEPA Mitigation	$14,026,000
Total Revenue over 20 Years	**$214,555,000**
Annual Average Revenue	**$10,730,000**
Total Capital Expenditure over 20 Years	**$212,000,000**
Annual Average Expenditure	**$10,600,000**
Annual Shortfall	**$130,000**



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Funding

Grants	Transportation Benefit District	Transportation Impact Fees	Real Estate Excise Tax	Base Utility Tax	SEPA Mitigation	Fuel and Transportation Tax

Options to increase revenue

- The City has several options to increase revenue to plug deficiencies in the 20-year horizon

Tax General Obligation Bonds	Commercial Parking Tax	Local Improvement Districts

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Next Steps

- Washington Department of Transportation Certification Review – August 28, 2025 – October 27, 2025
- Thurston Regional Planning Council – August 28, 2025 – October 27, 2025
- Comprehensive Plan Ordinance Briefing – October 28, 2025
- Comprehensive Plan Adoption Process – Fall 2025 and Winter 2026

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Questions?

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