Multnomah County Transportation Division Needs Assessment Advisory Team

June 21, 2024





Introduction



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Project Purpose: Consider and frame the Transportation Division's 10-year future funding needs, service levels, and structure.

Tasks

• Today: Refined Future State Options

Today's Objectives

• Review five options

Five Investment Scenarios

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Scenario:	Status Quo	Needs Met	Rural Roads	Bridges	Safety, Equity and Accessibility
Comico	Revenue and expenditures remain at FY2024, levels. Capital projects are completed at current spending levels.	Revenue matches County needs. All projects identified are completed. Staffing matches needs and maintenance shifts to a proactive approach.	Pavement and adjacent assets on rural roads are brought to a state of good repair. Other assets and service levels remain at status quo.	Willamette River Bridges and small bridges are brought to a state of good repair including seismic enhancements and life safety. Other assets and service levels remain at status quo.	The Urban East area and downtown bridges are the safety focus; accessibility includes the active transportation network. Service Levels and Asset Stewardship in the Urban East area exceed network average.
Levels: Legend Achieved Progress Remote		$\hat{\mathbf{U}}$			
Asset Stewardship: Legend VERY GOOD GOOD FAIR POOR				Ţ	
Total10-year Investment:	\$879M	\$1,480M	\$987M	\$1,047M	\$1,289M
Total10-year Funding Gap:	\$63M	\$647M	\$204M	\$214M	\$455M

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Status Quo



Expenditures remain consistent with FY24 dollars. No additional revenue sources are added, existing revenue remains flat. Staffing remains constant, skill sets match current organizational structure. Service levels decrease, and condition of assets deteriorate.

10-year needs: State/County Revenue: Estimated Grant Revenue :	\$727M <u>\$90M</u>
Estimated Revenue:	\$816M
Estimated Revenue Estimated Expenses: Gap:	\$816M <u>\$879M</u> \$63M
Minimal investment in:	

- Climate
- Resilience
- Community Health and Safety
- Stormwater



Service Levels	Current FY24	P	Projected FY3	34	
Sidewalk AT Network Complete					
ADA Compliant Curb Ramps					
ADA Compliant Sidewalks					
Urban Ride Quality					
Rural Ride Quality					
Stair and Sidewalk Cleaning					
Removing Graffiti		,			Legend
Cleaning Debris and Removal					Achieved
Emergency Response on Roads & Bridges					Progress
WRB Opened Promptly and Fully					Remote

Ride Quality drops significantly, other service levels decrease.

Asset Stewardship

	Current FY24	
Willamette River Bridges	FAIR	
Roads	FAIR	
Small Bridges	FAIR	
Traffic Signs	POOR	
Catch Basins	VERY GOOD	1
Culverts	FAIR	

Condition data not available for Roads Right of Way and Stormwater

Assets cannot be maintained to desired condition.

Asset condition will deteriorate, with the exception with Willamette River Bridges and Small Bridges, due to projects underway.

Projected FY34

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Legend 85 - 100

70 - 85

50 - 70





Revenue and expenditures are consistent with FY2024.





Needs Met



Significant capital investment is made to bring assets to a condition where they can be maintained by County Staff. Funding sources are in place to support County goals. A Quick Build Program is established with 4 new staff. Staffing needs and competencies are evaluated to meet the County needs to sustain Service Levels and Asset Stewardship, including 5 staff for the small bridge program.

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Minimal investment in:

• Stormwater

Revenue and Expenditures



Service Levels	Current FY24	F	Projected FY	34	
Sidewalk AT Network Complete					
ADA Compliant Curb Ramps					
ADA Compliant Sidewalks					
Urban Ride Quality					
Rural Ride Quality					
Stair and Sidewalk Cleaning				i	
Removing Graffiti		۶			Legend
Cleaning Debris and Removal					Achieved
Emergency Response on Roads & Bridges					Progress
WRB Opened Promptly and Fully					Remote

Staff are proactively working to achieve service levels and are available to respond to issues raised by residents. Capital investment addresses ride quality, AT Network, and ADA compliance.

Asset Stewardship

	Current FY24	1	Projec
Willamette River Bridges	FAIR		VERY
Roads	FAIR		GO
Small Bridges	FAIR		GO
Traffic Signs	POOR		VERY
Catch Basins	VERY GOOD		VERY
Culverts	FAIR		GO

Condition data not available for Roads Right of Way and Stormwater

Assets are in a state of good repair. O&M focus has shifted to preventive maintenance. There are limited number of emergency failures.

Asset lifecycle needs drive funding requirements.

ŀ	Projected F	′34
	VERY GOOD	
	GOOD	
	GOOD	
	VERY GOOD	
	VERY GOOD	
	GOOD	





Revenue matches County needs. Identified projects are completed.







Investments focus on rural roads and adjacent assets to bring rural ride quality to a level that meets County goals. Rural ride quality can be maintained by County staff. Other assets have minimal investments made in them. Staffing remains similar to FY24 levels, competencies are evaluated as attrition happens and adjusted to meet the County needs.

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10-year needs: State/County Revenue: \$727M Estimated Grant Revenue : \$ 56M Estimated Revenue: \$783M Estimated Revenue Minimal investment in: Estimated Expenses: \$987M Gap \$204M Urban Roads



Service Levels	Current FY24	Pr	ojected	
		E)	<u> </u>	
Sidewalk AT Network Complete			0 .	
ADA Compliant Curb Ramps				
ADA Compliant Sidewalks				
Urban Ride Quality				
Rural Ride Quality				
Stair and Sidewalk Cleaning				
Removing Graffiti		, , , , , , , , , , , , , , , , , , ,		Legend
Cleaning Debris and Removal				Achieved
Emergency Response on Roads & Bridges				Progress
WRB Opened Promptly and Fully				Remote

Ride Quality for rural roads is at a level the County accepts. Urban ride quality decreases due to minimal investments.

Asset Stewardship

Current FY24 Willamette River Bridges GOOD FAIR FAIR FAIR Roads Small Bridges FAIR **Traffic Signs** POOR VERY GOOD Catch Basins Culverts FAIR

Condition data not available for Roads Right of Way and Stormwater

Rural roads are in a condition that can be maintained by County Staff. Road adjacent assets, culverts and traffic signs are renewed as rural roads are renewed.

Bridge projects that have funding are completed, including Burnside and Stark Street.

Projected FY34

GOOD FAIR GOOD GOOD







Capital investment focuses on Willamette River Bridges and small bridges. Willamette River Bridges have been rehabilitated and seismic enhancements completed. All bridges are in a condition where they can be maintained by County staff. Staffing needs and competencies are evaluated, 5 staff are added to support the small bridges program. **10-year needs:** State/County Revenue: \$727M Estimated Grant Revenue : <u>\$107M</u> Estimated Revenue: \$834M <u>Estimated Revenue</u> \$

 Anithmal investment in:

 Estimated and the store

 \$1,647Ms

 Gap:
 \$



Service Levels	Current FY24		Projected FY3	4	
Sidewalk AT Network Complete					
ADA Compliant Curb Ramps					
ADA Compliant Sidewalks					
Urban Ride Quality					
Rural Ride Quality					
Stair and Sidewalk Cleaning					
Removing Graffiti		r			Legend
Cleaning Debris and Removal					Achieved
Emergency Response on Roads & Bridges					Progress
WRB Opened Promptly and Fully					Remote

Investment focus supports Willamette River Bridges and small bridges.

Asset Stewardship

	Current FY24	I	Projected FY34
Willamette River Bridges	FAIR		VERY GOOD
Roads	FAIR		POOR
Small Bridges	FAIR		VERY GOOD
Traffic Signs	POOR		POOR
Catch Basins	VERY GOOD		GOOD
Culverts	FAIR		POOR

Condition data not available for Roads Right of Way and Stormwater

Willamette River Bridges and small bridges are in a state of good repair and can be maintained by County Staff.

Legend
85 - 100
70 - 85
50 - 70
20 - 50
0 - 20





Investment is made in Willamette River and small bridges





Safety, Equity and Accessibility



This scenario encompasses the Urban East area, downtown bridges, ball banking project and active transportation network. Capital expenditures are focused on these specific areas. A Quick Build Program is established with 4 new staff. Service levels and asset condition in these areas is higher than the network average. Other areas of the county are like Status Quo.

10-year needs:	
State/County Revenue:	\$727M
Estimated Grant Revenue	e : <u>\$107M</u>
Estimated Revenue:	\$834M
Estimated Povenue	¢ 834M
	φ 034IVI
Estimated Expenses:	<u>\$1,289M</u>
Gap:	\$ 455M
Minimal investment in:	

- Climate
- Stormwater
- Rural Roads



Service Levels	Current FY24	P	Projected FY3	}4	
Sidewalk AT Network Complete					
ADA Compliant Curb Ramps					
ADA Compliant Sidewalks					
Urban Ride Quality					
Rural Ride Quality					
Stair and Sidewalk Cleaning					
Removing Graffiti					Legend
Cleaning Debris and Removal					Achieved
Emergency Response on Roads & Bridges					Progress
WRB Opened Promptly and Fully					Remote

Urban ride quality increases, while rural ride quality drops. The AT network increases, ADA Curb Ramps are replaced, other service levels remain constant.

Asset Stewardship

	Current FY24 Projected FY34		
Willamette River Bridges	FAIR		VERY GOOD
Roads	FAIR		POOR
Small Bridges	FAIR		GOOD
Traffic Signs	POOR		GOOD
Catch Basins	VERY GOOD		GOOD
Culverts	FAIR		FAIR

Condition data not available for Roads Right of Way and Stormwater Asset condition shown is for the network, Safety focused areas are in better condition

Assets in the Urban East and downtown bridges are in good and very good condition. Traffic signs are significantly better due the ball banking project. Network wide, roads have declined to a poor condition.

Legend
85 - 100
70 - 85
50 - 70
20 - 50
0 - 20

Safety, Equity and Accessibility



Investments are made in Urban East, accessibility and AT Network



Assumptions



Service Levels

Defined:	Service Levels are those activities the County measures to quantify how they are performing in specific areas.	Defined:
Inputs/References:	Draft Community Charter, Cartegraph OMS Work Orders, Asset Management Plans	Inputs/References:
Assumptions:	Status Quo ADA Compliant Curb Ramps are installed (50/year) Asset Condition affects Urban and Rural Ride Quality Other measures are performed at the same level as today Needs Met Capital Investments are made to bring assets to an acceptable level where the County can maintain them at that level ADA Compliant Curb Ramps are installed (50/year) Staff has the qualifications and competencies to carry out all work County has the right mix and number of staff Quick Build Program is established with 4 staff Rural Roads Capital Investments are made to bring Rural Ride Quality to the desired level ADA Compliant Curb Ramps are installed (50/year) Staff has the qualifications and competencies to carry out all work County has the right mix and number of staff Bridges Capital Investments are made to bring Small bridges to the desired level ADA Compliant Curb Ramps are installed (50/year) Staff has the qualifications and competencies to carry out all work County has the right mix and number of staff Bridges Capital Investments are made to bring small bridges to the desired level ADA Compliant Curb Ramps are installed (50/year) Staff has the qualifications and competencies to carry out all work	Assumptions: Probabilities/ Uncertainties:
Probabilities/	County has the ability to develop staff with competencies desiredProjects are completed as desired	

Asset Stewardship

Defined:	Asset Condition is the average condition of the network of the assets.
nputs/References:	GIS, Cartegraph OMS, Pavement Model, Asset Management Plans
Assumptions:	 Status Quo Capital Spend remains at FY24 level Maintenance is performed at the same level as today Needs Met Capital Investments are made to bring all assets to the desired condition When investment is made, assets are in very good condition All Traffic Signs in Fair, Poor and Very Poor condition are replaced and project for ball banking signs (~2000 signs is completed) 50% of culverts are replaced Small bridges have 5 additional dedicated staff Rural Roads Capital Investments is made, assets are in very good condition All Traffic Signs in Fair, Poor and Very Poor condition are replaced condition When investments are made to bring rural pavement to the desired condition When investment is made, assets are in very good condition All Traffic Signs in Fair, Poor and Very Poor condition are replaced 50% of culverts are replaced Bridges Capital Investments are made to bring Willamette River Bridges to the desired level Capital Investment is made, assets are in very good condition All Traffic Signs are made to bring small bridges to the desired level Capital Investments are made to bring small bridges to the desired level Capital Investments are made to bring small bridges to the desired level Capital Investments are made to bring pavement to the desired condition Small bridges have 5 additional dedicated staff Safety, Equity and Accessibility Capital Investments are made to bring pavement to the desired condition in Urban East area Projects where accessibility is part of the project are completed 35% of Traffic Signs are replaced and the ball banking project is completed 8% of culverts are replaced Other assets are maintained at the same level as Status Quo
Probabilities/ Jncertainties:	? Assets may not be in very good condition after investment is made? Assets assumed to be replaced may not be in condition assumed (ex. Very Poor)? Asset condition may not follow assumed deterioration

Assumptions



Revenue and

Defined:	Revenues and Expenditures are the cash flows in and out of the County, forecasted into the future.
Inputs/References:	Multnomah County 5-Year Plans, 2023-2045 CIP, Provided ODOT SHF Forecast, Consultations with Multnomah County
Assumptions:	General Alternative scenarios from status quo have start year of 2026. Status Quo Correct committed projects within QL included. Additional 5500k cost uplift on top of inflation. State scenarios and with 4 FFEs. 5 Additional FFEs for Small Bridges Staffing. Additional 10% Q&M cost uplift on top of inflation, to allow for expanded operations. Specific subset of road projects in CIP included. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Specific subset of road projects in CIP included. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to allow for expanded operations. Additional 15% Q&M cost uplift on top of inflation, to al
Probabilities/ Uncertainties:	 Inflation rates may differ from forecast Project costs could likely differ from CIP quote

Next Steps



Finalize Presentation

Provide Background Information Additional Support as Needed

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THANK YOU

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Total Cost by Category



Needs Met

Multnomah County



Total Cost by Category



Rural Roads

Multnomah County





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Bridges



Safety, Equity and Accessibility



\$180 \$180 \$160 \$160 \$140 \$120 \$100 \$80 \$60 \$40 \$20 \$0 FY 2023 FY 2024 FY 2025 FY 2026 FY 2027 FY 2028 FY 2029 FY 2030 FY 2031 FY 2032 FY 2033 FY 2034 Professional Services (non-capital) Materials, Services, Eqpt All Labor (incl capital) Capital (excl internal labor) Loan Payments Fund Distribution Other Expenses