



Home of the Tualatin River National Wildlife Refuge

ORDINANCE 2018-003

ADOPTING MINOR AMENDMENTS TO THE CITY OF SHERWOOD'S 2014 TRANSPORTATION SYSTEM PLAN VOLUME 1 AND 2, AND TO THE ZONING AND COMMUNITY DEVELOPMENT CODE, CHAPTER 16.106 TRANSPORTATION FACILITIES

WHEREAS, the City of Sherwood Transportation System Plan was adopted through Ordinance 2014-12 on June 17, 2014; and

WHEREAS, minor amendments to the City of Sherwood 2014 Transportation System Plan Volume 1 and 2 and to the City of Sherwood Zoning and Community Development Code, Chapter 16.106 have been identified to correct inconsistencies and to include an additional figure; and

WHEREAS, the City of Sherwood desires to develop a transportation system that is consistent with the City's adopted comprehensive land use plan and with the adopted plans of state, local, and regional jurisdictions; and

WHEREAS, the City of Sherwood provided public hearing notice in accordance with Chapter 16.72.020 of the Sherwood Zoning and Community Development Code; and

WHEREAS, the City of Sherwood Planning Commission held a public hearing on February 13, 2018 to discuss and take public testimony on the proposed amendments and at which time the Commission approved a recommendation that City Council approve PA 18-02; and

WHEREAS, the City Council having conducted public hearings on the proposed amendments on March 6, 2018, March 20, 2018 and duly considering the entire record, herein finds that the proposed amendments to the TSP and to Chapter 16.106 of the City of Sherwood Zoning and Community Development Code are in the best interest of the community for providing consistency with the city's land use plan and adopted plans of state, local and regional jurisdictions;


NOW, THEREFORE, THE CITY OF SHERWOOD ORDAINS AS FOLLOWS:

Section 1. The City hereby adopts the amendments to City of Sherwood 2014 Transportation Plan, hereto as Exhibit A incorporated herein.

Section 2. The City hereby adopts the amendment to the City of Sherwood Zoning and Community Development Code, Chapter 16.106, Transportation Facilities, hereto as Exhibit B incorporated herein.

Section 3. This Ordinance shall become effective 30 days from its adoption.

Duly passed by the City Council this 20th of March, 2018.



Lee Weislogel, Mayor

3/20/18

Date

Attest:

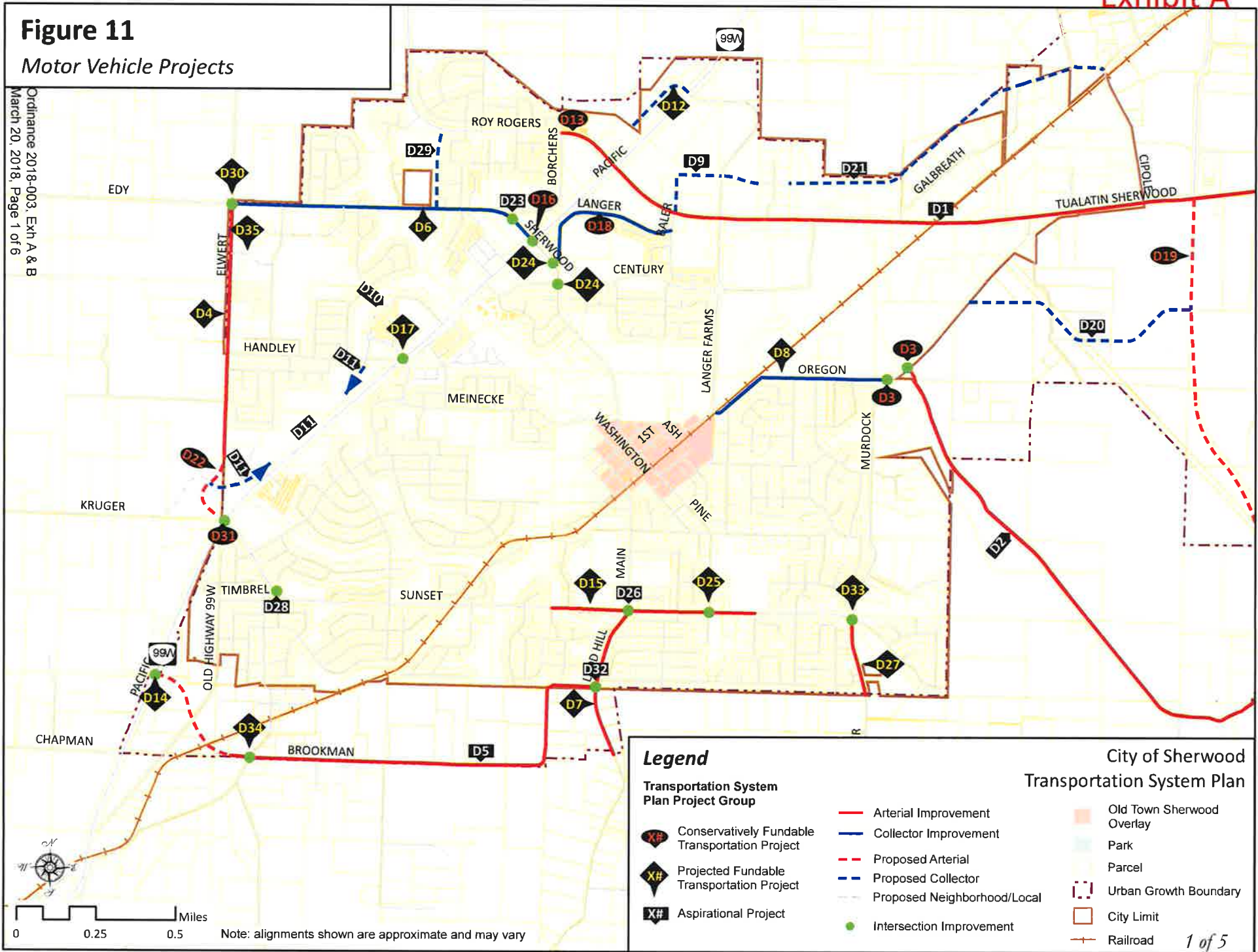


Sylvia Murphy, MMC, City Recorder

	<u>AYE</u>	<u>NAY</u>
Rosener	<u>✓</u>	<u> </u>
Griffin	<u>✓</u>	<u> </u>
Brouse	<u>✓</u>	<u> </u>
Young	<u>✓</u>	<u> </u>
Kuiper	<u>✓</u>	<u> </u>
Garland	<u>✓</u>	<u> </u>
Weislogel	<u>✓</u>	<u> </u>

Figure 11
Motor Vehicle Projects

Ordinance 2018-003, Exh A & B
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Legend

Transportation System Plan Project Group

- Conservatively Fundable Transportation Project
- Projected Fundable Transportation Project
- Aspirational Project

- Arterial Improvement
- Collector Improvement
- Proposed Arterial
- Proposed Collector
- Proposed Neighborhood/Local
- Intersection Improvement

City of Sherwood Transportation System Plan

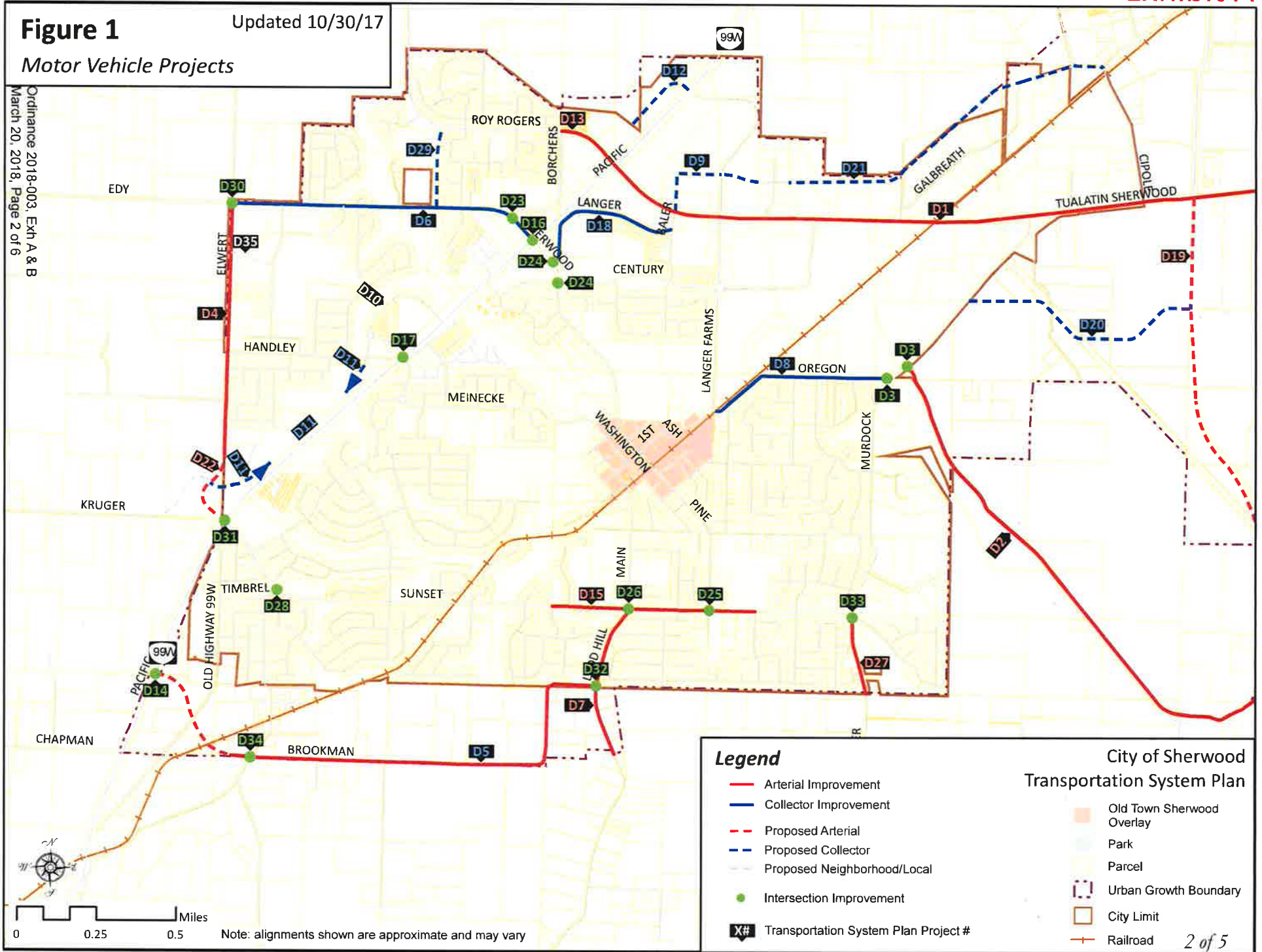
- Old Town Sherwood Overlay
- Park
- Parcel
- Urban Growth Boundary
- City Limit
- Railroad

Figure 1

Updated 10/30/17

Motor Vehicle Projects

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Legend

- Arterial Improvement
 - Collector Improvement
 - - - Proposed Arterial
 - - - Proposed Collector
 - - - Proposed Neighborhood/Local
 - Intersection Improvement
 - X# Transportation System Plan Project #
- City of Sherwood Transportation System Plan
- Old Town Sherwood Overlay
 - Park
 - Parcel
 - Urban Growth Boundary
 - City Limit
 - Railroad

Sherwood TSP Update - Project List - ADOPTED 06/17/14

Legend

- Financially Constrained Group 1 (\$11 million through 2035)
- Financially Constrained Group 2 (\$60 million through 2035)

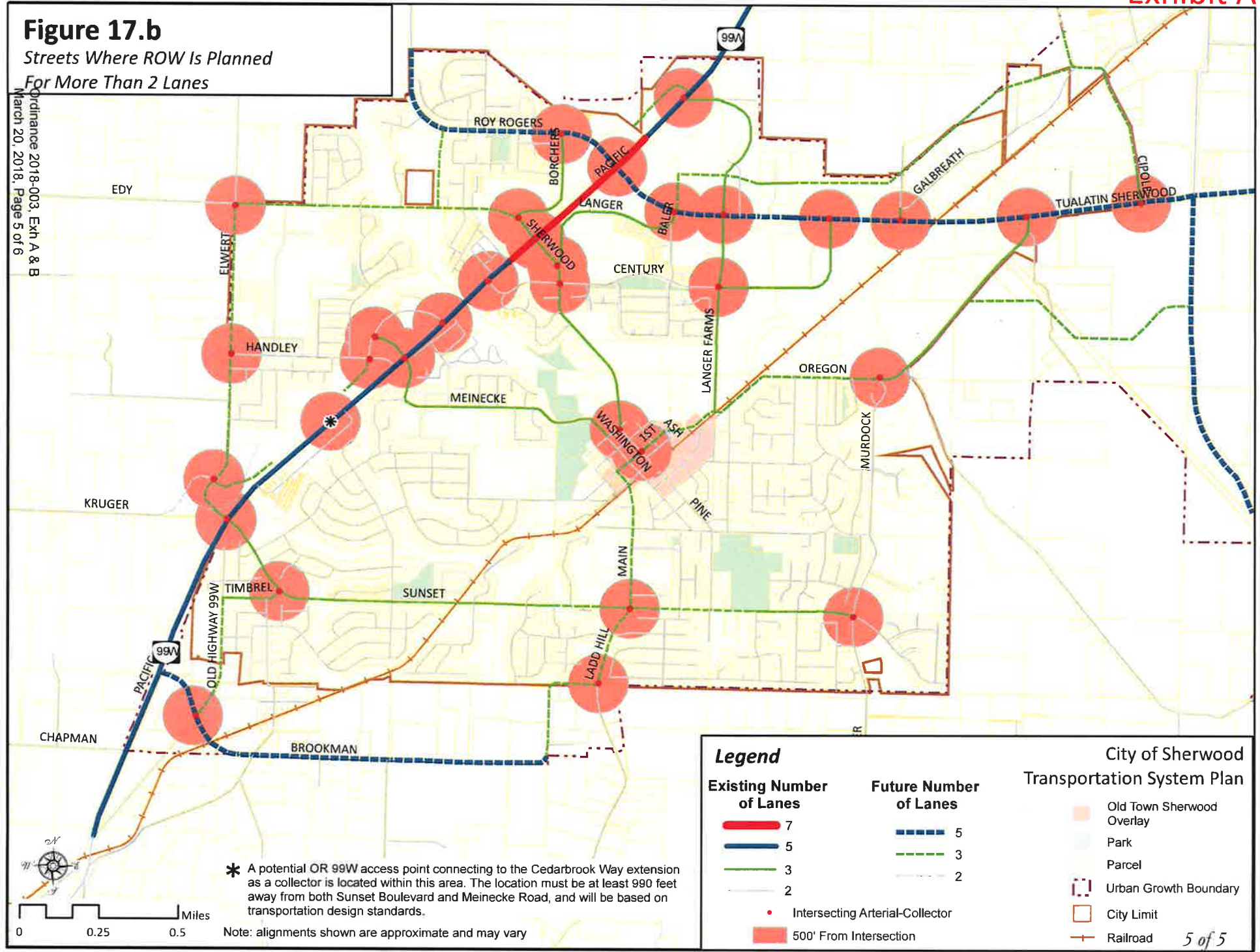
Project List							
Project #	Project Name	Primary Mode	Project Start Point	Project End Point	Project Details	Evaluation Score	Need Reference #
D1	Tualatin-Sherwood Road Improvements - Phase 2	Roads/bridges	Langer Farms Parkway	Teton Avenue	Widen Tualatin-Sherwood Road (from Langer Farms Parkway to Teton Avenue) to five lanes with bike lanes and sidewalks.	2.5	102-107
D2	Tonquin Road Safety Improvements	Roads/bridges	Grahams Ferry Road	Oregon Street	Widen Tonquin Road (from Grahams Ferry Road to Oregon Street) to provide shoulders.	2.5	32, 68
D3	Oregon Intersections Improvements at Murdock and Tonquin	Roads/bridges	Oregon Street/Tonquin Road	Oregon Street/Murdock Road	Install a roundabout at the Tonquin Road/Oregon Street intersection with dual westbound through lanes and a single eastbound through/right lane. Consider creating a "Dumbbell Roundabout" with the Oregon/Murdock roundabout by disallowing the west circulating lane at Oregon/Tonquin and disallowing the east circulating lane at Oregon/Murdock. Add a second westbound approach lane to the Murdock Road Oregon Street roundabout for separated westbound left and westbound through lanes. Keep three lanes on the bridge structure.	3.5	129, 130
D4	Elwert Road Improvements	Roads/bridges	Highway 99W	Edy Road	Upgrade Elwert Road (from Highway 99W to Edy Road) to a three lane arterial with bike lanes and sidewalks. This project may be phased with D30 for design and construction purposes.	3.5	11, 119, 120, 123
D5	Brookman Road Improvements	Roads/bridges	Highway 99W	Middleton Road	Implement Brookman Road Concept Plan improvements to Brookman Road from Highway 99W to Middleton Road. Major improvements include: rebuild road to a three lane arterial facility, and a shared-use path along the north side. In addition, reserve right-of-way for the potential widening to five lanes in the event that further refinements to the I-5/99W Connector Plan identify Brookman Road as the Southern Arterial to serve as the primary route for east-west mobility.	1.5	58, 146, 147, 94
D6	Edy Road Improvements	Roads/bridges	Borchers Drive	City Limits	Upgrade Edy Road (from Borchers Drive to City Limits) to a three lane collector with bike lanes and sidewalks.	4.0	5, 10, 55, 56, 122, 123, 124
D7	Ladd Hill Road Improvements	Roads/bridges	Sunset Boulevard	Urban Growth Boundary	Upgrade Ladd Hill Road (from Sunset Boulevard to the Urban Growth Boundary) to a three arterial with bike lanes and sidewalks.	3.5	53, 57, 146
D8	Oregon Street Improvements	Roads/bridges	Murdock Road	Railroad Crossing	Upgrade Oregon Street (from Murdock Road to the railroad crossing) to a three lane collector with sidewalks on south side and a shared-use path on the north side (part of the Ice Age Tonquin Trail).	3.0	28, 29, 49, 130
D9	Baler to Herman Connection	Roads/bridges	Baler Way/Tualatin-Sherwood Road	Herman Road/Langer Farms Parkway	Build a collector roadway, connecting Baler Way at Tualatin-Sherwood Road to the future terminus of the Herman Road at Langer Farms Parkway.	2.0	None (previously planned project)
D10	Cedar Brook Way Extension Segment 1	Roads/bridges	Meinecke Road	Existing Terminus	Extend Cedar Brook Way from its existing terminus to Meinecke Road as a two lane local road.	2.0	None (previously planned project)
D11	Cedar Brook Way Extension Segment 2	Roads/bridges	Handley Street	Highway 99W	Extend Cedar Brook Way from its existing terminus at Handley Street south to Elwert Road as a two lane collector road.	2.0	None (previously planned project)
D12	Extension of Langer Farms Parkway at 99W	Roads/bridges	Highway 99W	-	Extend Langer Farms Parkway from 99W west as a collector road.	2.5	None (previously planned project)
D13	Tualatin-Sherwood Improvements - Phase 1	Roads/bridges	Borchers Drive	Baler Way	Widen Tualatin-Sherwood Road/Roy Rogers Road between Borchers Drive and Baler Way to five lanes. Includes intersection modifications at OR 99W, the Sherwood Market Center, and at Baler Way.	-	None (previously planned project)
D14	Highway 99W/Brookman Traffic Signal and Realignment	Roads/bridges	Highway 99W	Middleton Road	Realign Brookman Road to intersect with Highway 99W approximately 1/4 mile north of its existing intersection; this improvement includes a traffic signal at the realigned intersection with a westbound left and southbound right turn lane, and a grade separated railroad crossing.	5.0	94
D15	Sunset Boulevard Improvements	Roads/bridges	Aldergrove Avenue	Eucalyptus Terrace	Upgrade Sunset Boulevard (from Aldergrove Avenue to Eucalyptus Terrace) to a three lane arterial with sidewalks and bike lanes. Address vertical crest sight distance issues near Pine Street.	3.5	15, 51, 139-143
D16	Edy/Highway 99W Intersection Improvements	Roads/bridges	Edy Road/Highway 99W	-	Restripe the westbound Sherwood Boulevard approach to have a single left turn lane, a single through lane, and a single right turn lane. Eliminate the split phase timing for the side streets, and maintain the existing green time on OR 99W for the northbound and southbound through movements. Add the missing crosswalk to the south approach. Consider implementing P3 alongside this project.	5.5	97
D17	Meinecke/Highway 99W Intersection Improvements	Roads/bridges	Meinecke Road/Highway 99W	-	Change the eastbound and westbound left turn phasing on Meinecke Road from permitted to permitted/protected and maintaining the existing green time on OR 99W for the northbound and southbound through movements. Consider implementing P3 alongside this project.	2.5	99
D18	Langer Drive Improvements	Roads/bridges	Baler Way	Sherwood Boulevard	Construct improvements to Langer Drive between Baler Way and Sherwood Boulevard that are consistent with the Sherwood Town Center Plan. Major improvements include: buffered bike lanes, on-street parking, wider sidewalks, narrower travel lanes, removal of the center turn lane, and landscaping.	4.5	41
D19	124th Avenue Extension	Roads/bridges	Tualatin-Sherwood Road	Tonquin Road	Extend 124th Avenue as an arterial from Tualatin-Sherwood Road to Tonquin Road.	1.0	None (previously planned project)
D20	Tonquin Employment Area East-West Collector	Roads/bridges	Oregon Street	124th Avenue Extension	Build an east-west collector facility between Oregon Street and the 124th Avenue extension in the Tonquin Employment Area; improvement includes a roundabout at the Oregon Street Intersection.	2.0	None (previously planned project)
D21	Herman Road Extension	Roads/bridges	Cipole Road	Highway 99W or Langer Farms Parkway	Extend Herman Road from its existing terminus at Cipole Road west to either Highway 99W or Langer Farms Parkway as a two to three lane collector facility.	4.0	None (previously planned project)
D22	Kruger/Elwert Intersection Safety Improvement	Roads/bridges	Kruger Road/Elwert Road	-	Realign Elwert Road to provide more storage at Highway 99W, and realign the Kruger Road intersection to the Cedarbrook extension as a single lane roundabout. Consider implementing D31 with this project.	2.5	153
D23	Edy/Borchers Right-In/Right-Out and Eastbound Lefts	Roads/bridges	Edy Road/Borchers Drive	-	Convert the Edy Road/Borchers Drive intersection to only allow right-in/right-out and eastbound left in; build a roundabout on Edy Road to the west at the south property's existing driveway.	3.0	None (previously planned project)
D24	Sherwood Boulevard Intersection Modifications	Roads/bridges	Sherwood Boulevard/Langer Drive	Sherwood Boulevard/Century Drive	Remove the Sherwood Boulevard/Langer Drive traffic signal (allow right-in, right-out, and left-in movements only), and install a traffic signal at the Sherwood Boulevard/Century Drive intersection (add eastbound and westbound left turn lanes).	4.0	126
D25	Sunset/Pine Improvements	Roads/bridges	Sunset Boulevard/Pine Street	-	Restripe Sunset Boulevard at Pine Street to add eastbound and westbound left turn lanes.	2.5	142

Sherwood TSP Project List

Project #	Project Name	Project Details	Evaluation Score	Estimated Cost	City Cost	Priority
Motor Vehicle Projects						
D1	Tualatin-Sherwood Road Improvements - Phase 2	Widen Tualatin-Sherwood Road (from Langer Farms Parkway to Teton Avenue) to five lanes with bike lanes and sidewalks.	2.5	\$43,042,500	\$0	Long-Term
D2	Tonquin Road Safety Improvements	Widen Tonquin Road (from Grahams Ferry Road to Oregon Street) to provide shoulders.	2.5	\$28,406,000	\$0	Long-Term
D3	Oregon Intersections Improvements at Murdock and Tonquin	Install a roundabout at the Tonquin Road/Oregon Street intersection with dual westbound through lanes and a single eastbound through/right lane. Consider creating a "Dumbbell Roundabout" with the Oregon/Murdock roundabout by disallowing the west circulating lane at Oregon/Tonquin and disallowing the east circulating lane at Oregon/Murdock. Add a second westbound approach lane to the Murdock Road Oregon Street roundabout for separated westbound left and westbound through lanes. Keep three lanes on the bridge structure.	3.5	\$2,945,000	\$1,389,000	Short-Term
D4	Elwert Road Improvements	Upgrade Elwert Road (from Highway 99W to Edy Road) to a three lane arterial with bike lanes and sidewalks. This project may be phased with D30 for design and construction purposes.	3.5	\$11,430,000	\$2,286,000	Medium-Term
D5	Brookman Road Improvements	Implement Brookman Road Concept Plan Improvements to Brookman Road from Highway 99W to Middleton Road. Major improvements include: rebuild road to a three lane arterial facility, and a shared-use path along the north side. In addition, reserve right-of-way for the potential widening to five lanes in the event that further refinements to the I-5/99W Connector Plan identify Brookman Road as the Southern Arterial to serve as the primary route for east-west mobility.	1.5	\$15,300,000	\$3,060,000	Long-Term
D6	Edy Road Improvements	Upgrade Edy Road (from Borchers Drive to City Limits) to a three lane collector with bike lanes and sidewalks.	4	\$8,760,000	\$8,760,000	Medium-Term
D7	Ladd Hill Road Improvements	Upgrade Ladd Hill Road (from Sunset Boulevard to the Urban Growth Boundary) to a three lane arterial with bike lanes and sidewalks.	3.5	\$6,340,000	\$6,340,000	Medium-Term
D8	Oregon Street Improvements	Upgrade Oregon Street (from Murdock Road to the railroad crossing) to a three lane collector with sidewalks on south side and a shared-use path on the north side (part of the Ice Age Tonquin Trail).	3	\$6,712,000	\$6,712,000	Medium-Term
D9	Baler to Herman Connection	Build a collector roadway, connecting Baler Way at Tualatin-Sherwood Road to the future terminus of the Herman Road at Langer Farms Parkway.	2	\$3,802,000	\$3,802,000	Long-Term
D10	Cedar Brook Way Extension Segment 1	Extend Cedar Brook Way from its existing terminus to Meinecke Road as a two lane local road.	2	\$596,000	\$596,000	Long-Term
D11	Cedar Brook Way Extension Segment 2	Extend Cedar Brook Way from its existing terminus at Handley Street south to Elwert Road as a two lane collector road.	2	\$13,000,000	\$13,000,000	Long-Term
D12	Extension of Langer Farms Parkway at 99W	Extend Langer Farms Parkway from 99W west as a collector road.	2.5	\$3,243,000	\$3,243,000	Medium-Term
D13	Tualatin-Sherwood Improvements – Phase 1	Widen Tualatin-Sherwood Road/Roy Rogers Road between Borchers Drive and Baler Way to five lanes. Includes intersection modifications at OR 99W, the Sherwood Market Center, and at Baler Way.	-	\$0	\$0	Committed Funding
D14	Highway 99W/Brookman Traffic Signal and Realignment	Realign Brookman Road to intersect with Highway 99W approximately 1/4 mile north of its existing intersection; this improvement includes a traffic signal at the realigned intersection with a westbound left and southbound right turn lane, and a grade-separated railroad crossing.	5	\$7,020,000	\$1,404,000	Medium-Term
D15	Sunset Boulevard Improvements	Upgrade Sunset Boulevard (from Aldergrove Avenue to Eucalyptus Terrace) to a three lane arterial with sidewalks and bike lanes. Address vertical crest sight distance issues near Pine Street.	3.5	\$8,316,000	\$8,316,000	Medium-Term
D16	Edy/Highway 99W Intersection Improvements	Restripe the westbound Sherwood Boulevard approach to have a single left turn lane, a single through lane, and a single right turn lane. Eliminate the split phase timing for the side streets, and maintain the existing green time on OR 99W for the northbound and southbound through movements. Add the missing crosswalk to the south approach. Consider implementing P3 alongside this project.	5.5	\$1,070,000	\$214,000	Short-Term
D17	Meinecke/Highway 99W Intersection Improvements	Change the eastbound and westbound left turn phasing on Meinecke Road from permitted to permitted/protected and maintaining the existing green time on OR 99W for the northbound and southbound through movements. Consider implementing P3 alongside this project.	2.5	\$5,000	\$1,000	Medium-Term
D18	Langer Drive Improvements	Construct improvements to Langer Drive between Baler Way and Sherwood Boulevard that are consistent with the Sherwood Town Center Plan. Major improvements include: buffered bike lanes, on-street parking, wider sidewalks, narrower travel lanes, removal of the center turn lane, and landscaping.	4.5	\$2,000,000	\$2,000,000	Short-Term
D19	124th Avenue Extension	Extend 124th Avenue as an arterial from Tualatin-Sherwood Road to Tonquin Road.	1	\$82,500,000	\$0	Committed Funding
D20	Tonquin Employment Area East-West Collector	Build an east-west collector facility between Oregon Street and the 124th Avenue extension in the Tonquin Employment Area; improvement includes a roundabout at the Oregon Street intersection.	2	\$6,400,000	\$6,400,000	Long-Term
D21	Herman Road Extension	Extend Herman Road from its existing terminus at Cipole Road west to either Highway 99W or Langer Farms Parkway as a two to three lane collector facility.	4	\$8,190,000	\$8,190,000	Long-Term
D22	Kruger/Elwert Intersection Safety Improvement	Realign Elwert Road to provide more storage at Highway 99W, and realign the Kruger Road intersection to the Cedarbrook extension as a single lane roundabout. Consider implementing D31 with this project.	2.5	\$1,550,000	\$0	Committed Funding
D23	Edy/Borchers Right-In/Right-Out and Eastbound Lefts	Convert the Edy Road/Borchers Drive intersection to only allow right-in/right-out and eastbound left in; build a roundabout on Edy Road to the west at the south property's existing driveway.	3	\$2,000,000	\$2,000,000	Long-Term
D24	Sherwood Boulevard Intersection Modifications	Remove the Sherwood Boulevard/Langer Drive traffic signal (allow right-in, right-out, and left-in movements only), and install a traffic signal at the Sherwood Boulevard/Century Drive intersection (add eastbound and westbound left turn lanes).	4	\$900,000	\$900,000	Medium-Term
D25	Sunset/Pine Improvements	Restripe Sunset Boulevard at Pine Street to add eastbound and westbound left turn lanes.	2.5	\$6,000	\$6,000	Medium-Term
D26	Sunset/Main Traffic Control Enhancement	Install a traffic signal at the Sunset Boulevard/Main Street intersection	4	\$250,000	\$250,000	Long-Term
D27	Baker Road Improvements	Upgrade Baker Road (from Sunset Boulevard to the urban growth boundary) to a two lane arterial with bike lanes and sidewalks.	3	\$779,000	\$779,000	Medium-Term
D28	Sunset/Timbrel Traffic Control Enhancement	Install a single lane roundabout at the Sunset Boulevard/Timbrel Lane intersection.	2.5	\$300,000	\$300,000	Long-Term
D29	Edy to Roy Rogers Collector Roadway	Build a collector roadway from Edy Road to Roy Rogers Road, between Cedarview Way and Lynnly Way.	2.5	\$3,400,000	\$3,400,000	Long-Term
D30	Elwert/Edy Roundabout	Install a single lane roundabout at the Elwert Road/Edy Road intersection. This project may be phased with D4 for design and construction purposes.	2.5	\$1,500,000	\$750,000	Medium-Term

Figure 17.b
 Streets Where ROW Is Planned
 For More Than 2 Lanes

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* A potential OR 99W access point connecting to the Cedarbrook Way extension as a collector is located within this area. The location must be at least 990 feet away from both Sunset Boulevard and Meinecke Road, and will be based on transportation design standards.

Note: alignments shown are approximate and may vary

Legend		City of Sherwood Transportation System Plan	
Existing Number of Lanes	Future Number of Lanes		Old Town Sherwood Overlay
			Park
			Parcel
			Urban Growth Boundary
			City Limit
			Railroad

PROPOSED CHANGES TO CHAPTER 16.106 TRANSPORTATION FACILITIES

~~STRIKEOUT~~ = DELETED TEXT

BOLD UNDERLINE = NEW TEXT

Chapter 16.106 - TRANSPORTATION FACILITIES

16.106.010 - Generally

A. Creation

Public streets shall be created in accordance with provisions of this Chapter. Except as otherwise provided, all street improvements and rights-of-way shall conform to standards for the City's functional street classification, as shown on the Transportation System Plan (TSP) Map (Figure ~~15~~ **17**) and other applicable City standards. The following table depicts the guidelines for the street characteristics.

16.106.020 - Required Improvements

A. Generally

Except as otherwise provided, all developments containing or abutting an existing or proposed street, that is either unimproved or substandard in right-of-way width or improvement, shall dedicate the necessary right-of-way prior to the issuance of building permits and/or complete acceptable improvements prior to issuance of occupancy permits. Right-of-way requirements are based on functional classification of the street network as established in the Transportation System Plan, Figure ~~15~~ **17**.