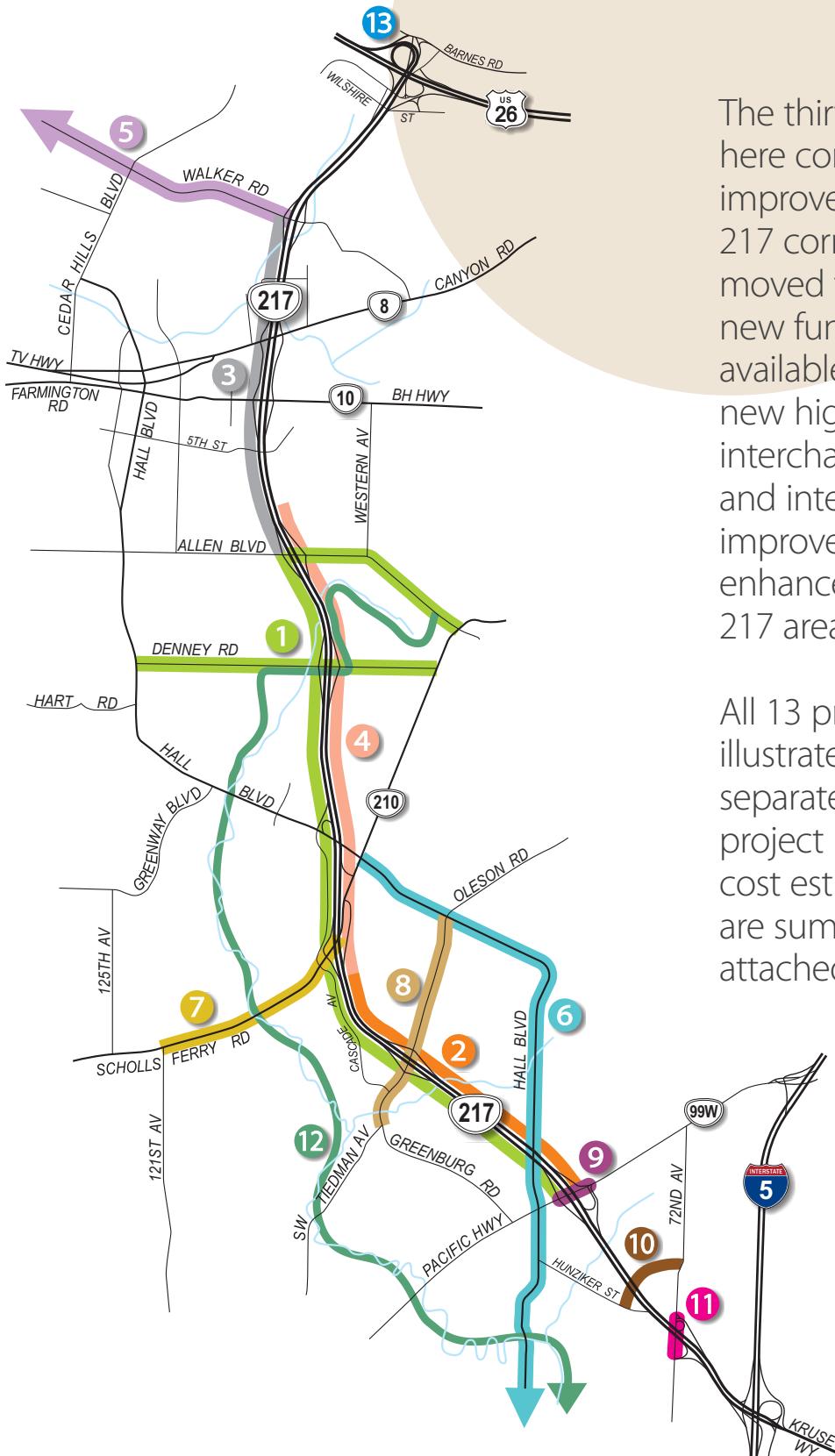


Highway 217 Corridor Improvements



The thirteen projects shown here comprise potential improvements to the Highway 217 corridor that could be moved forward if and when a new funding source becomes available. Improvements include new highway auxiliary lane and interchange projects, parallel and intersecting roadway improvements, and multimodal enhancements in the Highway 217 area.

All 13 projects, except #3, are illustrated and described on a separate page, along with project benefits, impacts, and cost estimates. The 13 projects are summarized in the attached table.



No Scale

X Project Number

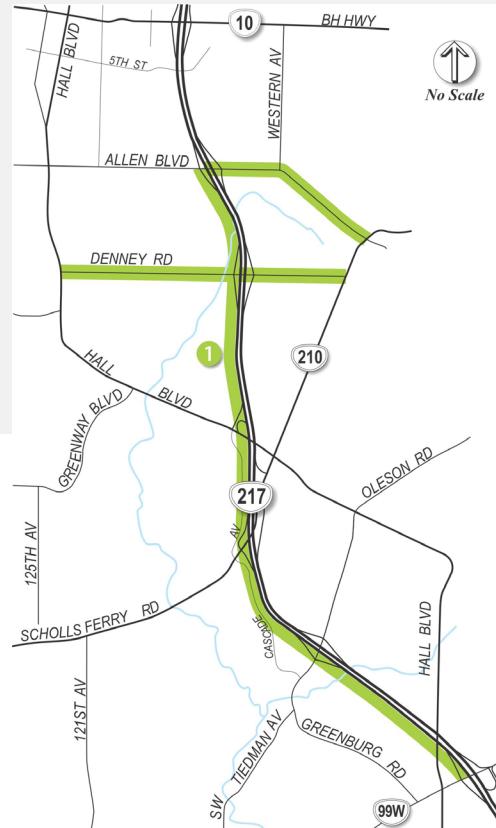
Project Number	Project Name	Location	Estimated Cost
1	Hwy 217 SB Auxiliary Lane with Allen Boulevard & Denney Road Improvements	Allen Boulevard to Highway 99W	\$60,000,000
2	Hwy 217 NB Auxiliary Lane	Highway 99W to Scholls Ferry Road	\$54,000,000
3	Hwy 217 SB Auxiliary Lane	Walker Road to Allen Boulevard	Future Scoping Effort
4	Hwy 217 NB Auxiliary Lane	Scholls Ferry Road to Allen / Denney Interchange	\$31,000,000
5	Walker Road Improvements	173rd Avenue to Highway 217	\$38,000,000
6	Hall Boulevard Improvements	Highway 217 Interchange to SW Durham Road	\$29,000,000
7	Scholls Ferry Road Improvements	Highway 217 to 121st Avenue	\$23,000,000
8	Greenburg Road Improvements	Hall Boulevard to Tiedeman Avenue	\$28,000,000
9	Hwy 217/ Hwy 99W Interchange Improvements	Hwy 217/ Hwy 99W Interchange	\$15,000,000
10	Beveland Street Overcrossing Improvements	Hunziker Street to 72nd Avenue	\$16,000,000
11	Highway 217/ 72nd Avenue Interchange Improvements	Highway 217/ 72nd Avenue Interchange	\$24,000,000
12	Fanno Creek Trail Improvements	Allen Boulevard to Tualatin River	\$12,000,000
13	Sunset Transit Center Improvements	Sunset Transit Center	\$11,000,000

Hwy 217 SB Auxiliary Lane with Allen Boulevard & Denney Road Improvements

Allen Boulevard to Highway 99W



Existing Highway 217 Southbound (left side)



PROJECT OVERVIEW

Project Type:

Freeway Mainline, Interchange, and Connecting Road Improvement

Description:

- Construct a continuous southbound auxiliary lane on Hwy 217 between Allen Boulevard Highway and Highway 99W by filling in gaps in the existing auxiliary lane and by modifying ramp connections.
- Consolidate Allen Boulevard and Denney Road southbound interchanges with spilt diamond interchanges and collector/distributor road
- Widen Allen Boulevard to five lanes between Highway 217 and Arctic Drive, adding turn lanes and signals where needed, with bike lanes and sidewalks
- Construct a westbound right turn lane on Allen Boulevard to Highway 217 northbound on-ramp including signal modifications to northbound/southbound split phasing
- Illumination upgrades at Allen Boulevard/Highway 217 and Denney Road/Highway 217 interchanges
- Rebuild Scholls Ferry Road overcrossing at Highway 217 to include sidewalks and accommodate over dimensional trucks
- Widen Denney Road to three lanes and complete sidewalks between Scholls Ferry Road and Highway 217
- Construct bike lanes on Denney Road between Hall Boulevard and Scholls Ferry Rd.

Cost Components:

- Auxiliary Lane with Allen-Denney interchange: \$44,000,000
- Denney Road: \$9,000,000
- Allen Boulevard: \$7,000,000
- Scholls Ferry Road Overcrossing: TBD

Estimated Cost: \$60,000,000

Engineering Cost: \$6,000,000

PROJECT BENEFITS



Improves safety on Highway 217 through the elimination of four weaving locations between Allen Boulevard and Denney Road.



Reduces the rate of crashes on Highway 217 by 25-30% through the elimination of conflict points and reducing speed differentials.



Improves vehicle throughput on Highway 217 by 10-15%.



Improves travel speeds on Highway 217 resulting in an annual estimated public benefit ranging from \$400,000 to \$2 million in reduced delay.



Completes sidewalk and bike lane facilities providing multimodal travel options.



Enhances the regional economy by facilitating better movement of goods and services, improves capacity along a federally designated truck route and provides access to two Regional Centers (Beaverton and Washington Square) and regionally designated employment land.



Increases capacity and reduces delay along significant intersecting routes that provide access to residential areas.



Improves safety through addition of turn lanes, street lighting and complete pedestrian and bicycle facilities.

PROJECT IMPACTS

Potential right-of-way impacts

Potential environmental justice issues

Potential impacts to Fanno Creek north of the Denney Road off-ramp

PROJECT STATUS

Split diamond, Allen Boulevard improvements, and Denney Road improvements adopted in Metro RTP 2014, with other elements in Washington County TSP and Beaverton TSP 2010. PS&E for auxiliary lane is included in ODOT 2015-2018 STIP. Widening Denney Road is also on the 100% list for the Major Streets Transportation Improvement Program 2019-2023. Scholls Ferry Road overcrossing improvement identified through an in-progress ODOT Over Dimensional Truck Study as a key pinch-point on Highway 217.



PROJECT
2

Hwy 217 NB Auxiliary Lane

Highway 99W to Scholls Ferry Road



Existing Highway 217 Northbound (right side)



PROJECT OVERVIEW

Project Type:

Freeway Mainline Improvement

Description:

- Construct a continuous northbound auxiliary lane on Highway 217 between Highway 99W and Scholls Ferry Road by filling in the existing auxiliary lane and modifying ramp connections.

Estimated Cost: \$54,000,000
Engineering Cost: \$5,400,000

PROJECT BENEFITS



Improves safety by lengthening the weaving distance northbound between Highway 99W and Scholls Ferry Road.



Enhances the regional economy by facilitating better movement of goods and services, improves capacity along a federally designated truck route and provides access to a Regional Center (Washington Square) and regionally designated employment land.

PROJECT IMPACTS

Potential right-of-way impacts

PROJECT STATUS

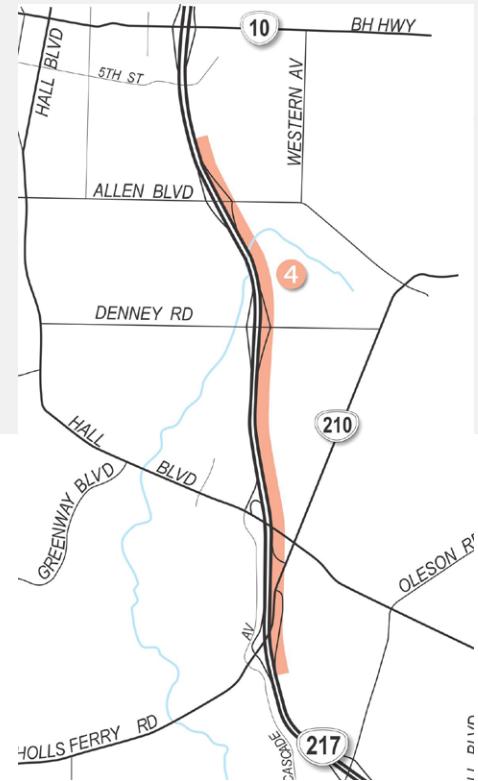
Progress toward plans, specifications, and estimates (PS&E) funded through regional flexible funds allocation.



Washington County Highway 217 Corridor Improvements



Existing Highway 217 Northbound (right side)



PROJECT OVERVIEW

Project Type:

Freeway Mainline Improvement

Description:

- Construct a continuous northbound auxiliary lane on Highway 217 between Scholls Ferry Road to the Allen / Denney interchange by filling in gaps in the existing auxiliary lane and modifying ramp connections.

Estimated Cost: \$31,000,000
Engineering Cost: \$3,100,000

PROJECT BENEFITS



Improves safety through lengthening the weaving distance northbound between Scholls Ferry Road and Allen Boulevard.



Enhances the regional economy by facilitating better movement of goods and services, improves capacity along a federally designated truck route and provides access to a Regional Center (Washington Square) and regionally designated employment land.

PROJECT IMPACTS

Potential right-of-way impacts

PROJECT STATUS

This project reflects a portion of the northbound auxiliary lane recommended in the Highway 217 Corridor Study 2004.



Washington County Highway 217 Corridor Improvements

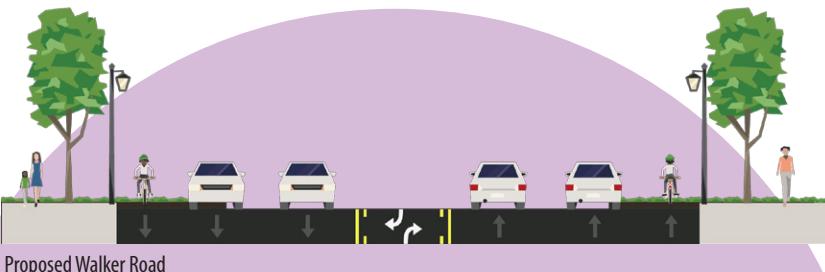
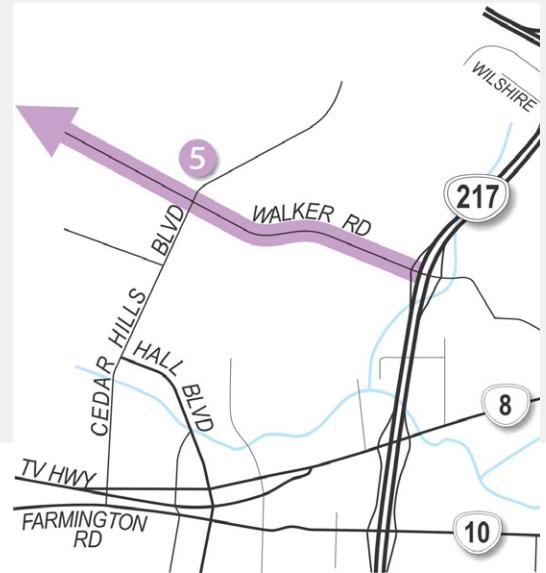
PROJECT
5

Walker Road Improvements

173rd Avenue to Highway 217



Existing Walker Road



Proposed Walker Road

PROJECT OVERVIEW

Project Type:

Interchange and Connecting Road Improvement

Description:

- Widen Walker Road to four lanes between Murray Boulevard and Highway 217 to include turn lanes, intersection treatments, bike lanes, sidewalks and street lighting
- Develop adaptive signal systems between 173rd Avenue to Highway 217
- Develop access management strategies between 173rd Avenue to Highway 217

Estimated Cost: \$38,000,000

Engineering Cost: \$3,800,000

PROJECT BENEFITS



Improves capacity and reduces delay along a significant intersecting route that provides access to a major employment center.



Completes sidewalk and bike lane gaps providing multimodal travel options.



Improves pedestrian and bicycle access to transit.



Improves transit travel time reliability by removing conflicts through addition of turn lanes.



Improves safety through addition of turn lanes, street lighting and complete pedestrian and bicycle facilities.



Improves mobility within an environmental justice community.



Adaptive signals system responds to changing traffic conditions in real-time, improving throughput by up to 30%.

PROJECT IMPACTS

Potential for impacts to sensitive habitat areas

Potential right-of-way impacts to residential areas

PROJECT STATUS

Adopted in Metro RTP 2014 and City of Beaverton TSP 2010. Widening Walker road is also on the 100% list for the Major Streets Transportation Improvement Program 2019-2023.



Washington County Highway 217 Corridor Improvements

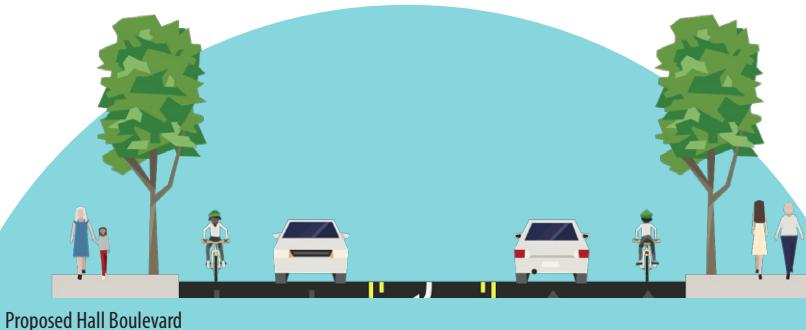
PROJECT
6

Hall Boulevard Improvements

Highway 217 Interchange to SW Durham Road



Existing Hall Boulevard



PROJECT OVERVIEW

Project Type:

Interchange and Connecting / Parallel Road Improvement

Description:

- Widen Hall Boulevard to five lanes from Palmbald Road to Oleson Road
- Construct southbound right turn lane on Highway 217 off-ramp to Hall Boulevard
- Widen Hall Boulevard between Oleson Road and Durham Road to include three lanes, bike lanes and sidewalks

Estimated Cost: \$29,000,000

Engineering Cost: \$2,900,000

PROJECT BENEFITS



Improves capacity and reduces delay along a significant parallel route to Highway 217.



Improves accessibility of the Washington Square Regional Center which is an area with significant forecasted job growth.



Completes sidewalk and bike lane gaps providing multimodal travel options.



Improves transit travel time reliability by removing conflicts through the addition of turn lanes.



Improves interchange operations, enhancing ability to safely store vehicles on the Highway 217 southbound off-ramp to Hall Blvd and reduce the frequency of backups onto the freeway.



Improves mobility in an area with a high proportion of environmental justice population.



Improves safety through addition of turn lanes and complete pedestrian and bicycle facilities.



Enhances the regional economy by facilitating better movement of goods and services, improves capacity along a truck route within the City of Tigard and provides access to two Regional Centers (Tigard and Washington Square) and regionally designated employment land.

PROJECT IMPACTS

Potential for impacts to sensitive habitat areas

Potential right-of-way impacts

PROJECT STATUS

Adopted in Metro RTP 2014, City of Beaverton TSP 2010, City of Tigard TSP 2010 and Washington County TSP.



Washington County Highway 217 Corridor Improvements

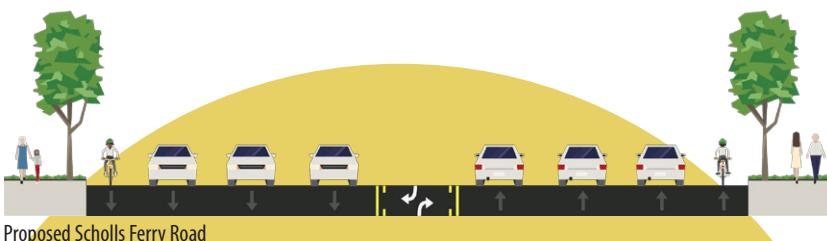
PROJECT
7

Scholls Ferry Road Improvements

Highway 217 to 121st Avenue



Existing Scholls Ferry Road



Proposed Scholls Ferry Road

PROJECT OVERVIEW

Project Type:

Interchange and Connecting Road Improvement

Description:

- Widen Scholls Ferry Road to seven lanes between Highway 217 and 121st Avenue with bike lanes and sidewalks
- Construct a northbound left turn lane on Scholls Ferry Road to Highway 217 northbound on-ramp
- Construct a westbound left turn lane on Washington Square Road to Scholls Ferry Road

Estimated Cost: \$23,000,000

Engineering Cost: \$2,300,000

PROJECT BENEFITS



Improves capacity and reduces delay along a significant intersecting route that provides access to a major employment center.



Completes sidewalk and bike lane facilities providing multimodal travel options.



Improves accessibility of the Washington Square Regional Center, which is an area with significant forecast job growth.



Improves transit travel time reliability by removing conflicts through the addition of turn lanes.



Improves pedestrian and bicycle access to transit.



Improves interchange operations, increases vehicle throughput through addition of turn lanes.



Improves safety through addition of turn lanes and complete pedestrian and bicycle facilities.

PROJECT IMPACTS

Potential right-of-way impacts to some site parking, circulation, frontage and buildings

PROJECT STATUS

Adopted in Metro RTP 2014, City of Beaverton TSP 2010 and Washington County TSP.



Washington County Highway 217 Corridor Improvements

Greenburg Road Improvements

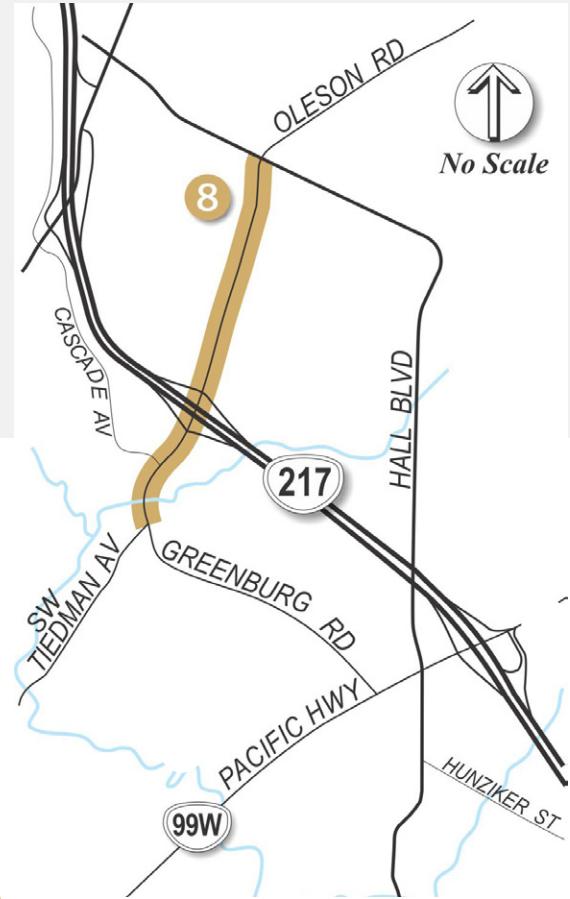
Hall Boulevard to Tiedeman Avenue



Existing Greenburg Road



Proposed Greenburg Road



PROJECT OVERVIEW

Project Type:

Interchange and Connecting Road Improvement

Description:

- Widen Greenburg Road to five lanes between Gomartin Lane and Washington Square Road with bike lanes and sidewalks
- Construct a second northbound turn lane on Greenburg Road to Hall Boulevard with signal timing modifications
- Improve geometry/alignment at Greenburg Road/Tiedeman Avenue and extend the signal cycle length
- Widen Greenburg Road to five lanes between Shady Lane and North Dakota Street, including a bridge replacement
- Construct a southbound right turn lane on Greenburg Road to Highway 217 northbound on-ramp

Estimated Cost: \$28,000,000

Engineering Cost: \$2,800,000

PROJECT BENEFITS



Increases capacity and reduces delay along a significant intersecting route that provides access to a major employment center.



Completes sidewalk and bike lane facilities providing multimodal travel options.



Improves pedestrian and bicycle access to transit.



Improves transit travel time reliability by removing conflicts through the addition of turn lanes.



Improves accessibility of the Washington Square Regional Center, which is an area with significant forecast job growth.



Improves interchange operations and increases vehicle throughput through the addition of turn lanes.



Improves safety through the addition of turn lanes, intersection geometry realignment and complete pedestrian and bicycle facilities.



Improves mobility within an environmental justice community.

PROJECT IMPACTS

Potential right-of-way impacts, specifically to environmental justice populations

PROJECT STATUS

Adopted in Metro RTP 2014, City of Tigard TSP 2010 and Washington County TSP.



Washington County Highway 217 Corridor Improvements

Hwy 217/ Hwy 99W Interchange Improvements



Hwy 99W at the Highway 217 Southbound Ramps



PROJECT OVERVIEW

Project Type:

Interchange Improvement

Description:

- Intersection capacity improvements at Highway 217 SB Ramps and Highway 99W, including a second right turn lane from the off-ramp
- Intersection capacity improvements at the Highway 217 NB Ramps and Highway 99W, including a second northbound left turn lane

Estimated Cost: \$15,000,000

Engineering Cost: \$1,500,000



Improves interchange operations, enhancing ability to safely store vehicles on the Highway 217 northbound and southbound off-ramps to Highway 99W and reduce the frequency of backups onto the freeway.



Improves capacity and reduces delay at the intersection of two key regional corridors.

PROJECT STATUS

Adopted in City of Tigard TSP 2010.



Washington County Highway 217 Corridor Improvements

PROJECT
10

Beveland Street Overcrossing Improvements

Hunziker Street to 72nd Avenue



72nd Avenue at Beveland Street



PROJECT OVERVIEW

Project Type:

Overcrossing / Connectivity Improvement

Description:

- Realign Beveland Street to meet Hunziker Street at Wall Street and construct pedestrian, bicycle and transit facilities
- Remove existing 72nd Avenue and Hunziker Street intersection

Estimated Cost: \$16,000,000
Engineering Cost: \$1,600,000

PROJECT BENEFITS



Improves safety through the elimination of conflict points between two Highway 217 on/off ramps and completion of pedestrian and bicycle facilities.



Improves interchange operations, increasing vehicle throughput by consolidating two T-intersections and removing a traffic signal in between two Highway 217 on/off ramps.



Completes sidewalk and bike lane facilities providing multimodal travel options.



Improves pedestrian and bicycle access to transit.



Improves transit travel time reliability by consolidating two intersections and reducing intersection delay.



Encourages transit use through enhanced transit facilities

PROJECT IMPACTS

Potential right-of-way impacts

PROJECT STATUS

Hunziker Overcrossing adopted in Metro RTP 2014. Project completion dependent on construction of Southwest Corridor Improvements.

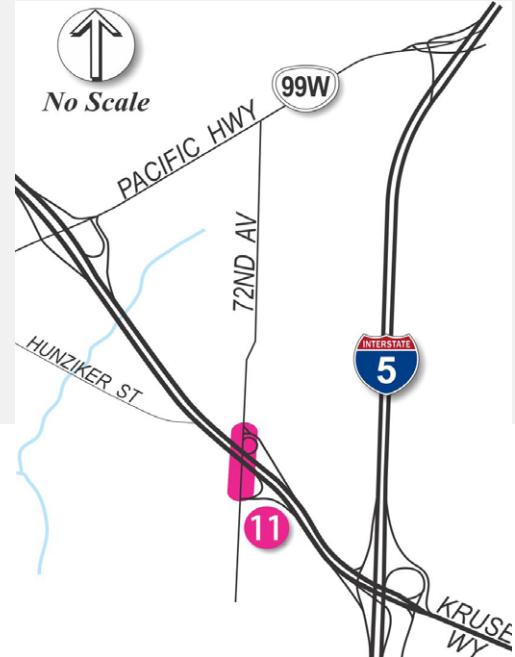


Washington County Highway 217 Corridor Improvements

Highway 217/72nd Avenue Interchange Improvements



72nd Avenue at Highway 217 Northbound Ramps



PROJECT OVERVIEW

Project Type:

Interchange and Connecting Road Improvement

Description:

- Complete interchange reconstruction with additional ramps and bridge structure replacement, including widening 72nd Avenue and turn lane improvements
- Install bicycle facilities on 72nd Avenue between Highway 99W to south City limits on both sides of the street

Estimated Cost: \$24,000,000
Engineering Cost: \$2,400,000

PROJECT BENEFITS



Improves accessibility through the addition of on / off ramps.



Improves capacity and reduces delay along a significant intersecting route that provides access to a major employment center.



Improves safety through addition of turn lanes, street lighting and complete pedestrian and bicycle facilities.



Completes bike lane facilities providing multimodal travel options.

PROJECT IMPACTS

Potential right-of-way impacts

PROJECT STATUS

Adopted in Metro RTP 2014 and City of Tigard TSP 2010.

Washington County Highway 217 Corridor Improvements

PROJECT
12

Fanno Creek Trail Improvements

Allen Boulevard to Tualatin River



Fanno Creek Trail Crossing at Grant Avenue

PROJECT STATS

Project Type:

Parallel Pedestrian and Bicycle Improvement

Description:

- Complete gaps along the Fanno Creek multiuse path from Tualatin River to Allen Boulevard
- Improve crossings at Hall Boulevard, Tiedeman Avenue and Highway 217



Estimated Cost: \$12,000,000
Engineering Cost: \$1,200,000

PROJECT BENEFITS



Provides a continuous regional trail from Downtown Tigard, through Beaverton to Garden Home in Portland.



Completes sidewalk and bike lane facilities providing multimodal travel options.



Improves pedestrian and bicycle access to transit.



Improves pedestrian and bicycle safety by providing enhanced crossing alternatives to reduce demand for pedestrian and bike crossing at congested intersections on Highway 99W.

PROJECT IMPACTS

Potential impacts to wetlands

Increased maintenance costs

PROJECT STATUS

Adopted in Metro RTP 2014 and City of Tigard TSP 2010.

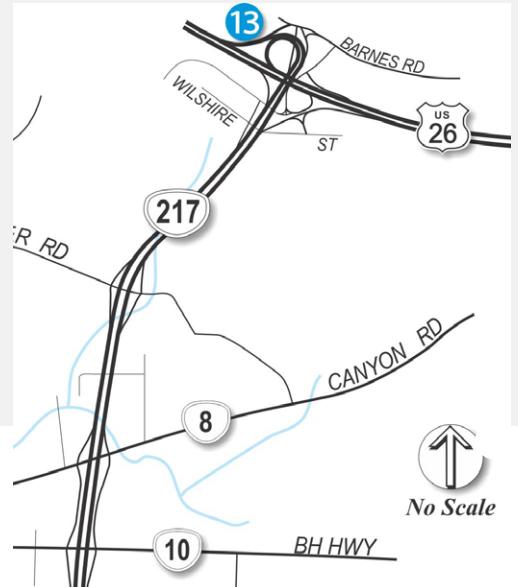
Some Fanno Creek Trail improvements are already funded, and not included in this project, including:

- Improvement from Tigard Library to Bonita Road
- New bridge over Fanno Creek between Hall Boulevard and Main Street
- Improvement from Woodward Park to Grant Avenue
- Improvement from 85th Avenue to Tualatin River
- Realigned trail for direct crossing at Tiedeman Avenue

PROJECT

13

Sunset Transit Center Improvements



PROJECT OVERVIEW

Project Type:

Transit Enhancement

Description:

- Redesign to expand park and integrate station with future surrounding development

Estimated Cost: \$11,000,000

Engineering Cost: \$1,100,000

PROJECT BENEFITS



Improves transit parking capacity at a significant park and ride providing access to both bus and light rail service.



Provides transit connections west to Hillsboro, east to downtown Portland, PDX Airport, Gresham, and south to Beaverton.



Encourages alternative travel options, helping to reduce vehicle miles traveled.

PROJECT IMPACTS

Potential right-of-way impacts

Parking expansion must be coordinated with area development plans

PROJECT STATUS

Adopted in Metro RTP 2014.