

Alternative Development Process

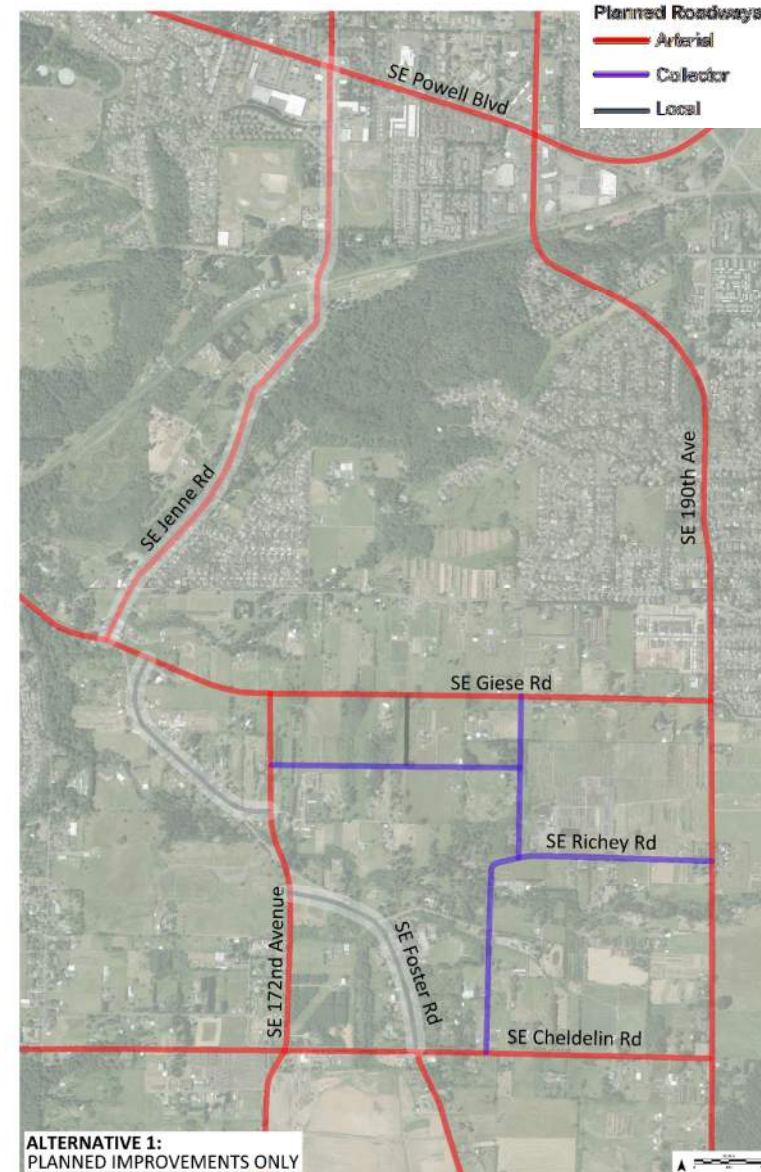
Develop alternatives for Pleasant Valley that address identified needs and deficiencies:

- North-south and east-west connectivity
- Projected intersection operational failures
- 172nd connectivity for those headed to Portland (existing Foster connection)
- Safety issues (e.g. crash history at SE 172nd Avenue/Foster Road)

Alternative 1

Key Features

- Giese Road Extension to Foster Road at Jenne Road (creates east-west through route)
- Safety improvements on SE Jenne Road – turn lanes where needed and pedestrian/bicycle facilities
- Downgrade of SE Foster Road to a local roadway between SE Giese Road and SE Cheldelin Road, with off-set intersections at SE 172nd Avenue



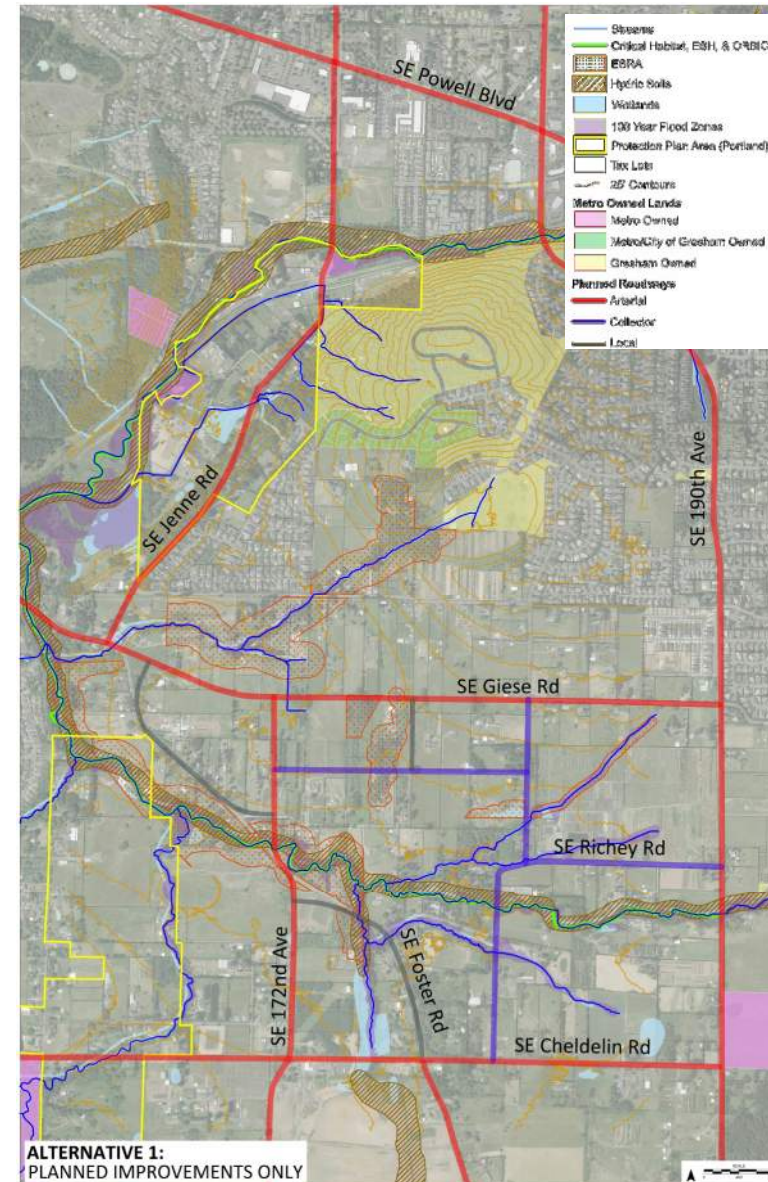
Alternative 1

Pros:

- Pedestrian, bicycle, and safety improvements on Jenne Road
- Shorter crossing of Kelley Creek (opportunity for mitigation and decommission of long culvert crossing at Foster Road)
- Several culvert replacements, potential for improved stream crossings on Jenne Road
- Grid network
- Direct town center access

Cons:

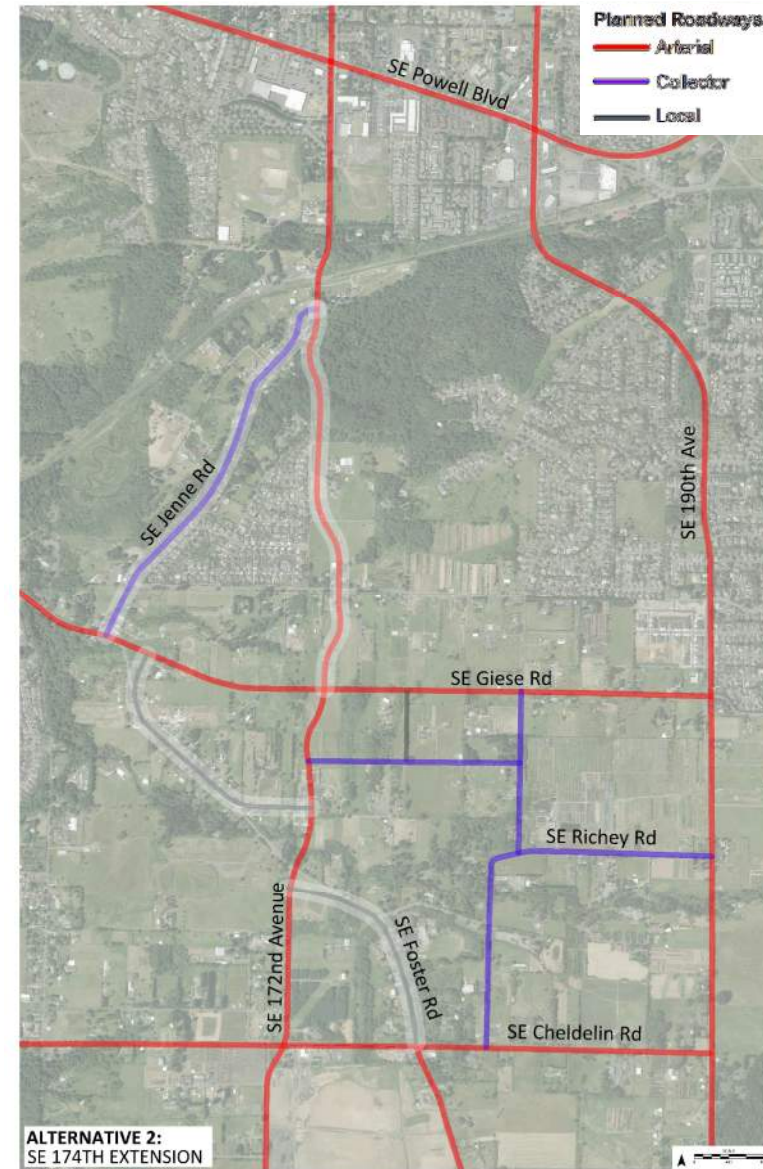
- Moderate impact to mature trees on Jenne Road
- Impact on wetlands near Kelley Creek with 172nd Avenue Extension



Alternative 2

Key Features

- Giese Road Extension to Foster Road at Jenne Road (creates east-west through route)
- SE 174th Extension north of Giese Road
- No improvements to SE Jenne Road (decreased traffic)
- Downgrade of SE Foster Road to a local roadway between SE Giese Road and SE Cheldelin Road, with off-set intersections at SE 172nd Avenue



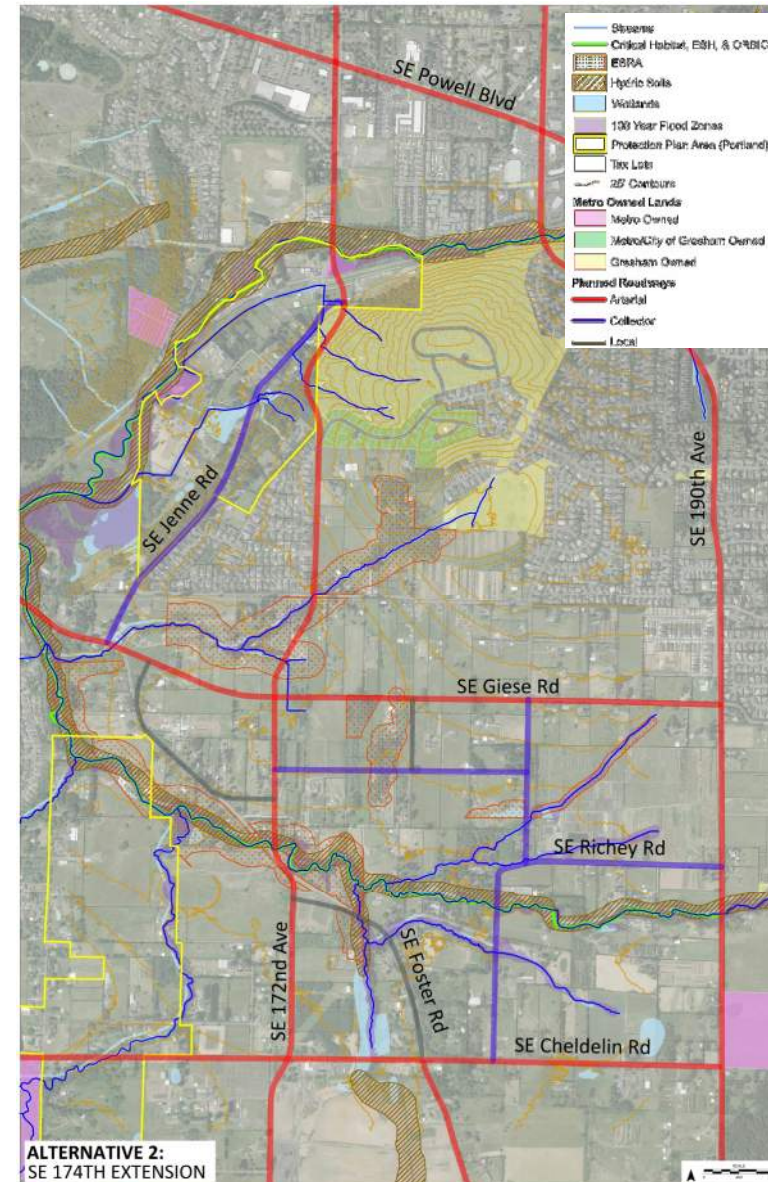
Alternative 2

Pros:

- Creates a multimodal alternative to Jenne Road
- Lower traffic volumes on Jenne Road
- Shorter crossing of Kelley Creek (opportunity for mitigation and decommission of long culvert crossing at Foster Road)
- Grid network
- Direct town center access

Cons:

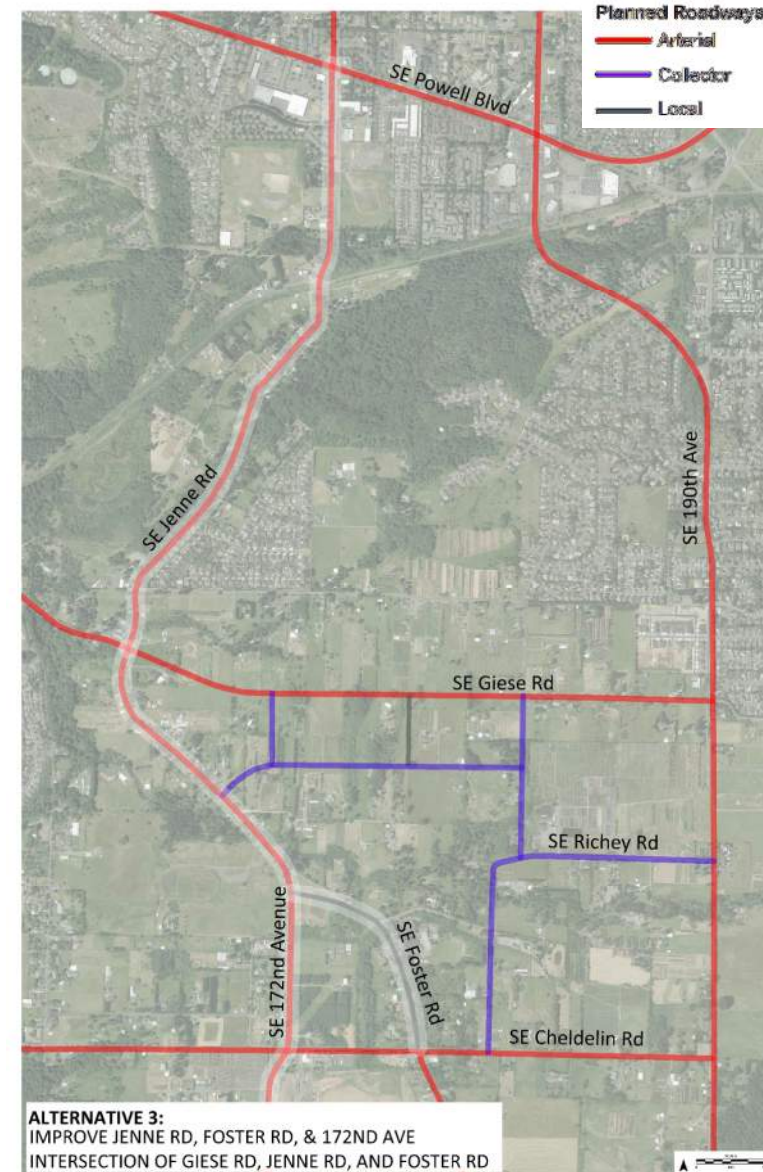
- Several new stream crossings, mature tree removal, and habitat fragmentation with 174th Avenue Extension
- Impact on wetlands near Kelley Creek with 172nd Avenue Extension



Alternative 3

Key Features

- Giese Road Extension to Foster Road at Jenne Road (creates east-west through route)
- Improved SE Jenne Road, SE Foster Road, and SE 172nd as north-south through route
- Creation of a four-way intersection of SE Jenne Road, SE Giese Road, SE 172nd Avenue, and SE Foster Road
- Downgrade of Foster Road to a local or collector roadway between SE 172nd Avenue and SE Cheldelin Road



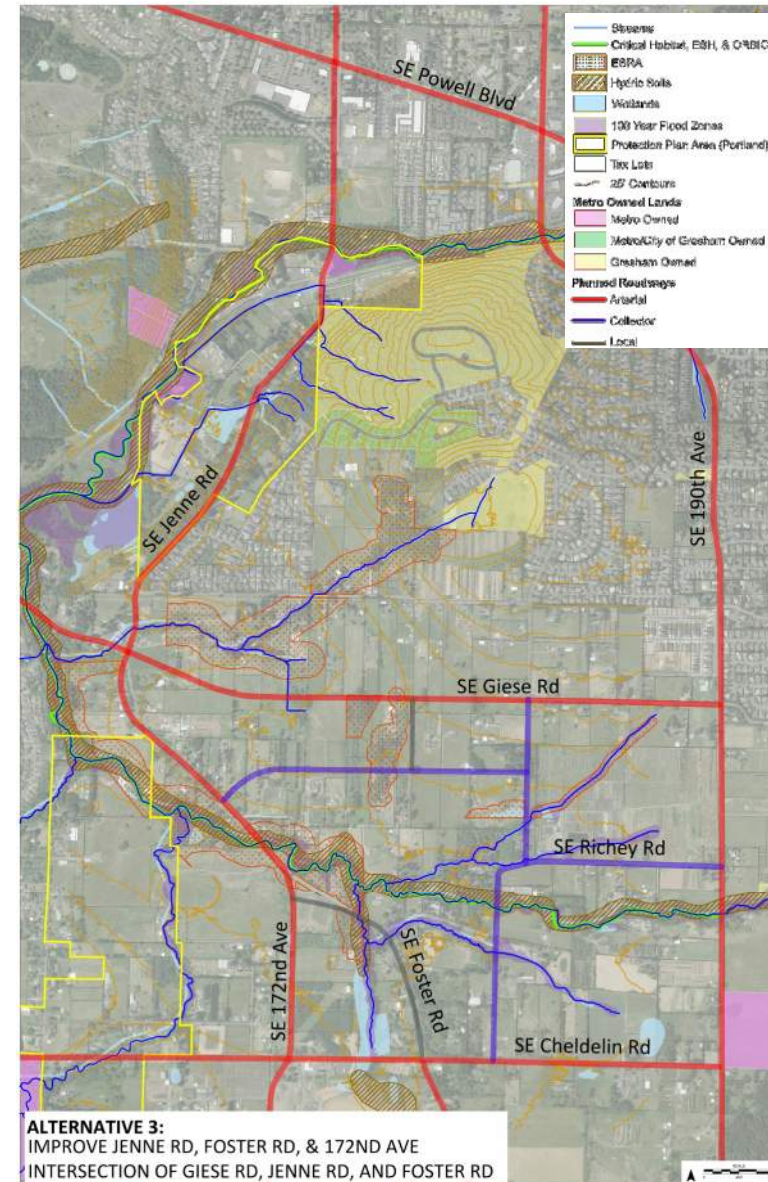
Alternative 3

Pros:

- Utilizes existing alignments
- Provides pedestrian, bicycle, and safety improvements on Jenne Road
- Several culvert replacements or improvements needed, potential for improved stream crossings on Jenne Road
- Potential for Kelley Creek crossing improvements
- Grid network

Cons:

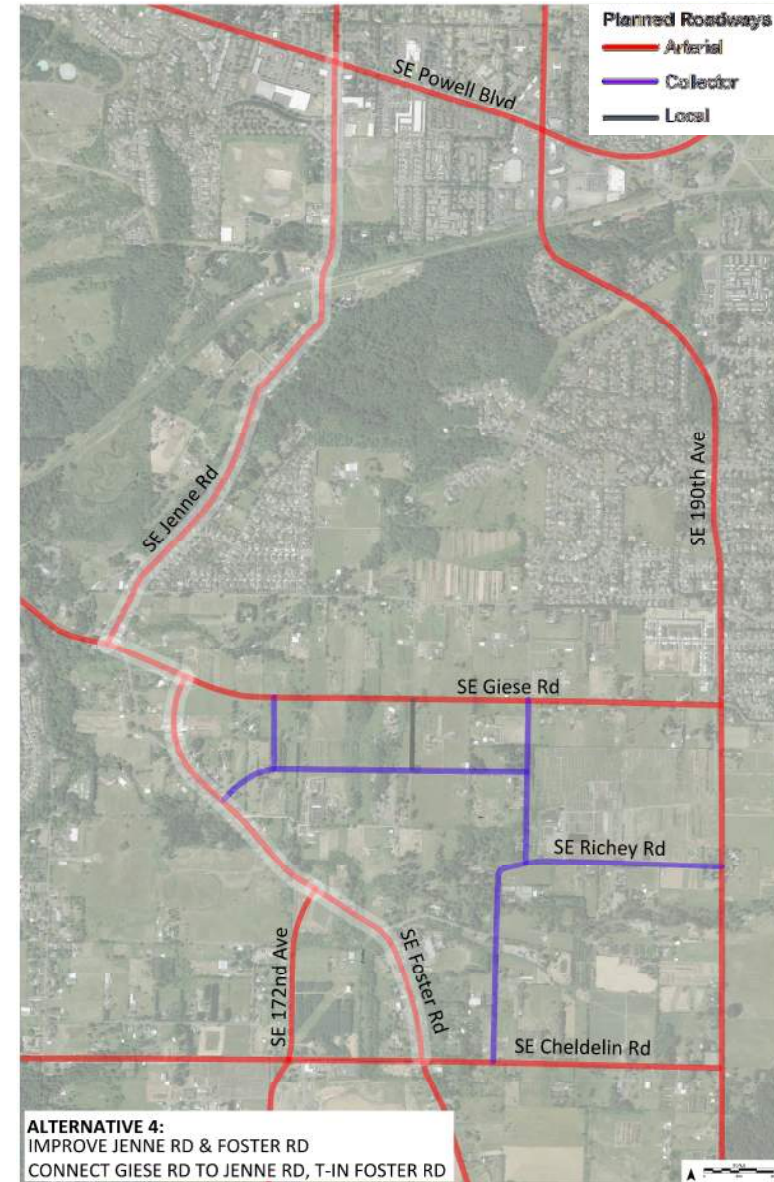
- Wetland impacts along Foster Road
- Lacks direct north-south connectivity to town center
- Potential property impacts with four-legged intersection at SE Jenne Road/SE Giese Road



Alternative 4

Key Features

- Giese Road Extension to Foster Road at Jenne Road (creates east-west through route)
- Improved SE Jenne Road and SE Foster Road
- Offset intersections of SE Jenne Road and SE Foster Road with SE Giese Road



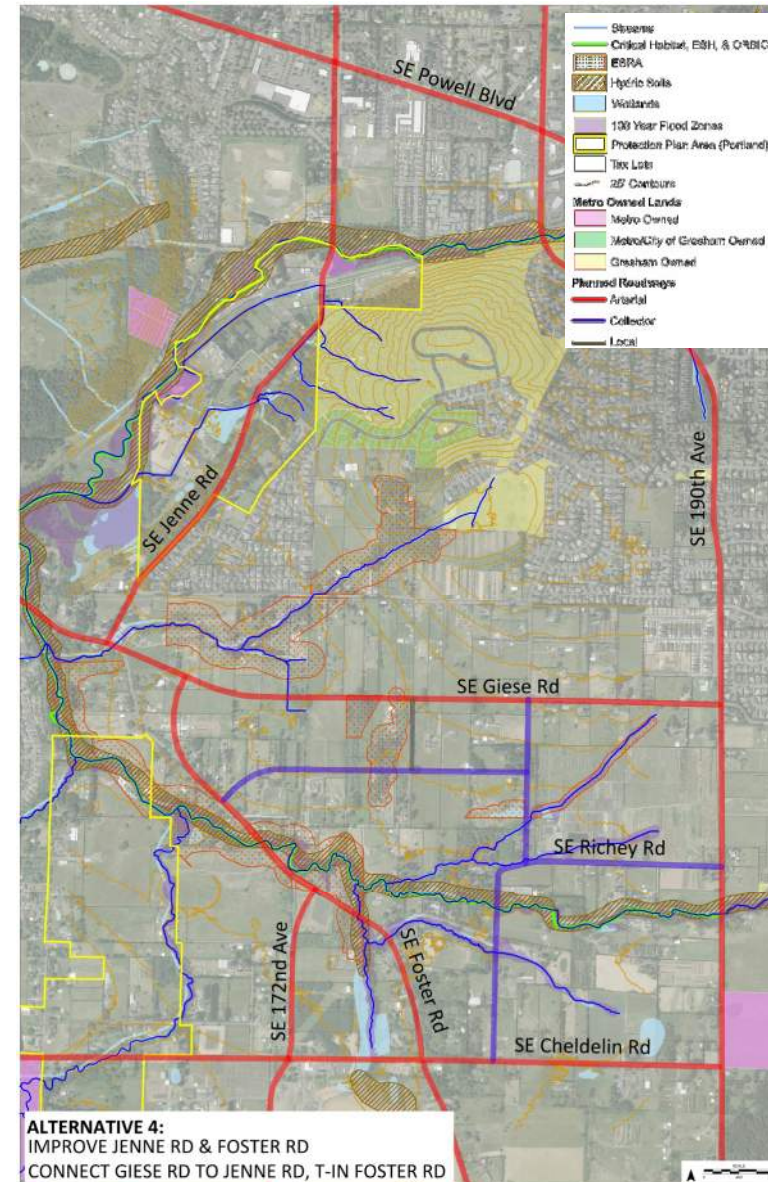
Alternative 4

Pros:

- Utilizes existing alignments
- Provides pedestrian, bicycle, and safety improvements on Jenne Road
- Several culvert replacements or improvements needed, potential for improved stream crossings on Jenne Road
- Potential for Kelley Creek crossing improvements
- Grid network

Cons:

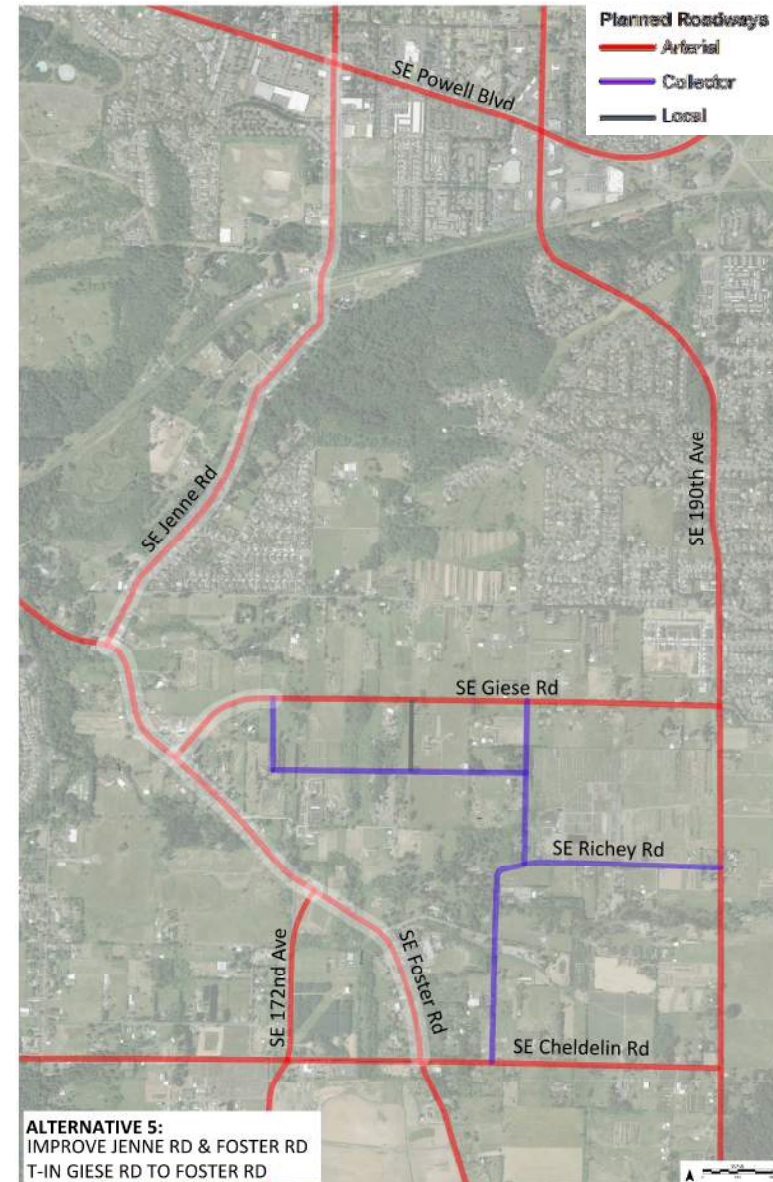
- Wetland impacts along Foster Road
- Lacks direct north-south connectivity to town center



Alternative 5

Key Features

- Giese Road Extension to Foster Road east of Jenne Road (no east-west through route)
- Improved SE Jenne Road and SE Foster Road
- SE Giese Road T-ed in to SE Foster Road



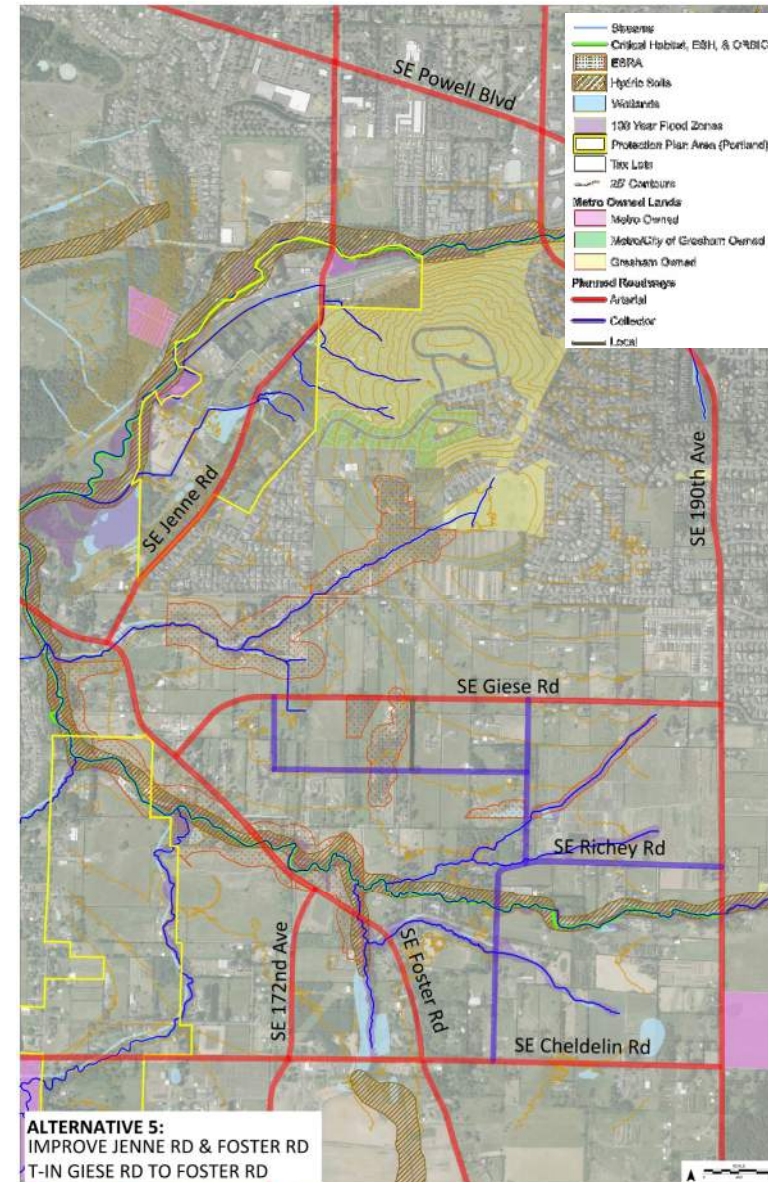
Alternative 5

Pros:

- Utilizes existing alignments
- Provides pedestrian, bicycle, and safety improvements on Jenne Road
- Several culvert replacements or improvements needed, potential for improved stream crossings on Jenne Road
- Potential for Kelley Creek crossing improvements

Cons:

- Wetland impacts along Foster Road
- Lacks grid network and direct north-south and east-west connectivity to town center
- May not reduce cut-through traffic on McKinley Road

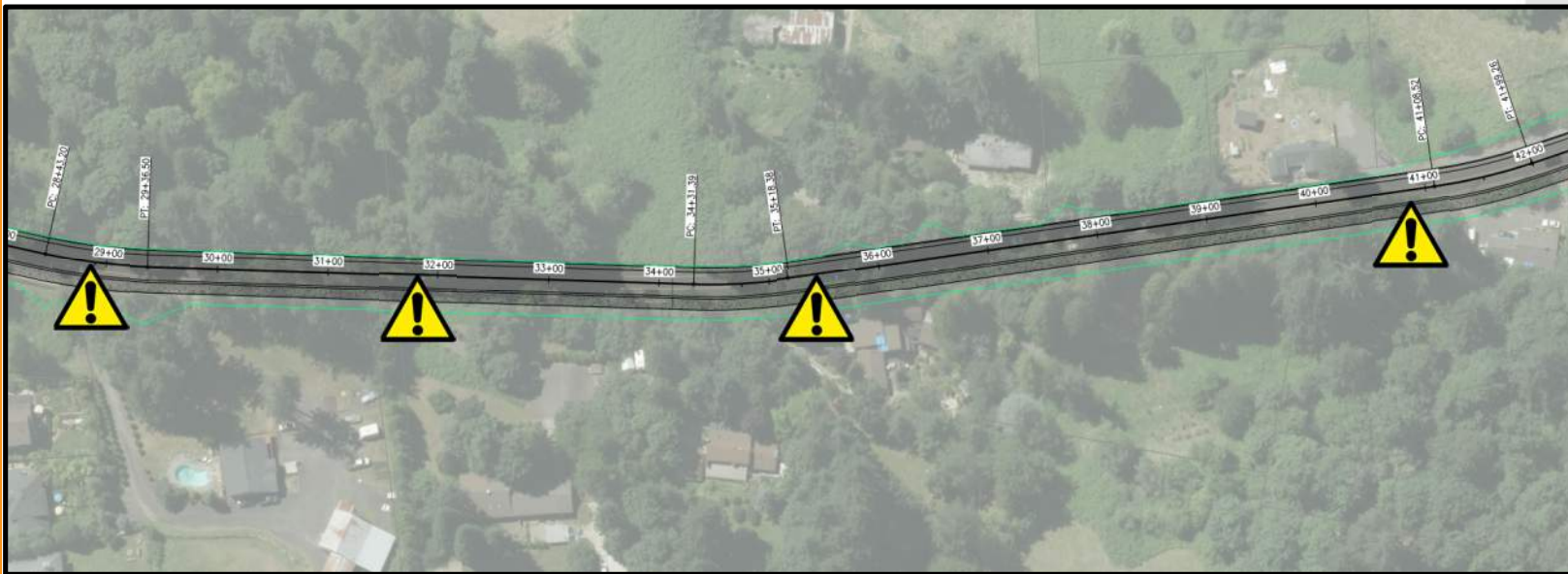
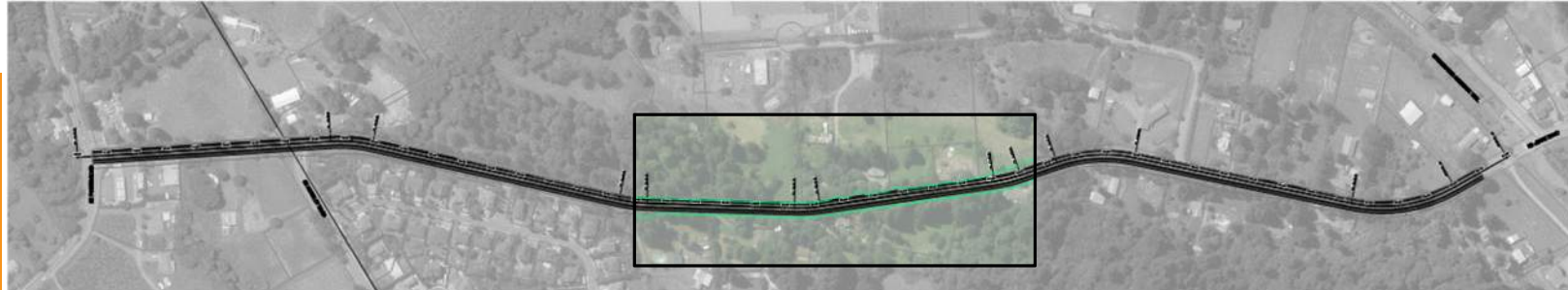


Jenne & 174th Comparison

- Jenne Road Improvements
 - Steep grades adjacent to existing road would result in 4 driveways needing regrading or alternative access
 - Moderate increase of stormwater runoff impacts
 - Moderate impact to mature trees, habitat fragmentation
 - Lower traffic to/from 174th/Powell intersection
 - Emphasizes need for improvements to Foster Road to the west
- 174th Avenue Extension
 - Steep grades result in need for retaining walls through Jenne Butte
 - Two full property purchases and Metro/City of Gresham lands impacted
 - Higher impact to stream crossings, mature trees, wildlife habitat
 - Higher traffic to/from 174th/Powell intersection
 - Lower traffic on Jenne and 182nd/Powell
 - Emphasizes need for improvements to Powell Boulevard



Jenne Property Impacts



 Steep driveway – potential major driveway regrading and/or alternative access

174th Property Impacts



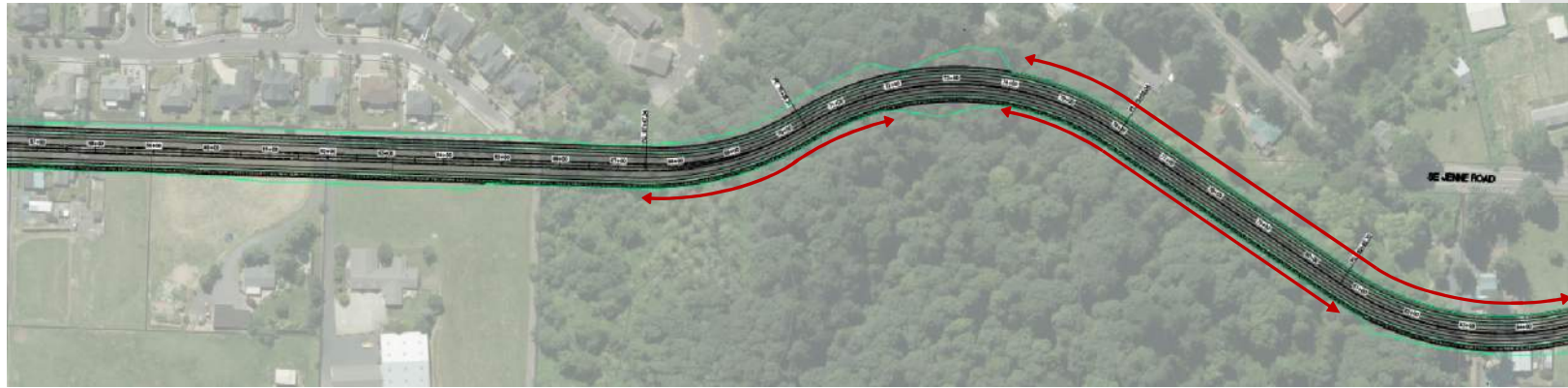
 Full property purchase

Jenne Retaining Wall Needs



↔ Retaining Walls

174th Retaining Wall Needs



↔ Retaining Walls

Stream Crossing Needs



2 Reconstructed Existing Stream Crossings



3 New Stream Crossings

Next Steps

- TAC Meeting – June 2018
- Open House – July 2018
- CAC Meeting – August 2018
 - Present refined concepts and analysis of three alternatives
 - Recommend preferred alternative

TASK	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
1. Project Management & Coordination	[Task Duration]													
2. Stakeholder & Public Engagement					[Virtual Public Workshop]					[Public Workshop]		[Public Workshop]		
3. Project Goals & Objectives	[Task Duration]													
4. Existing & Future No-Build Conditions		[Public Workshop]	[Public Workshop]											
5. Alternatives Analysis				[Technical Advisory Committee Meeting]	[Technical Advisory Committee Meeting]	[Technical Advisory Committee Meeting]	[Technical Advisory Committee Meeting]	[Technical Advisory Committee Meeting]	[Technical Advisory Committee Meeting]		[Citizen Advisory Committee Meeting]			
6. Concept Design & Documentation										[Task Duration]		[Public Workshop]		

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[Laptop Icon] Virtual Public Workshop
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[Group of People Icon] Technical Advisory Committee Meeting
[Group of People Icon] Citizen Advisory Committee Meeting