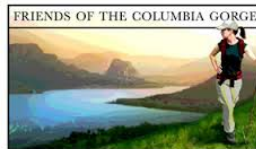


Steigerwald Floodplain Restoration Project



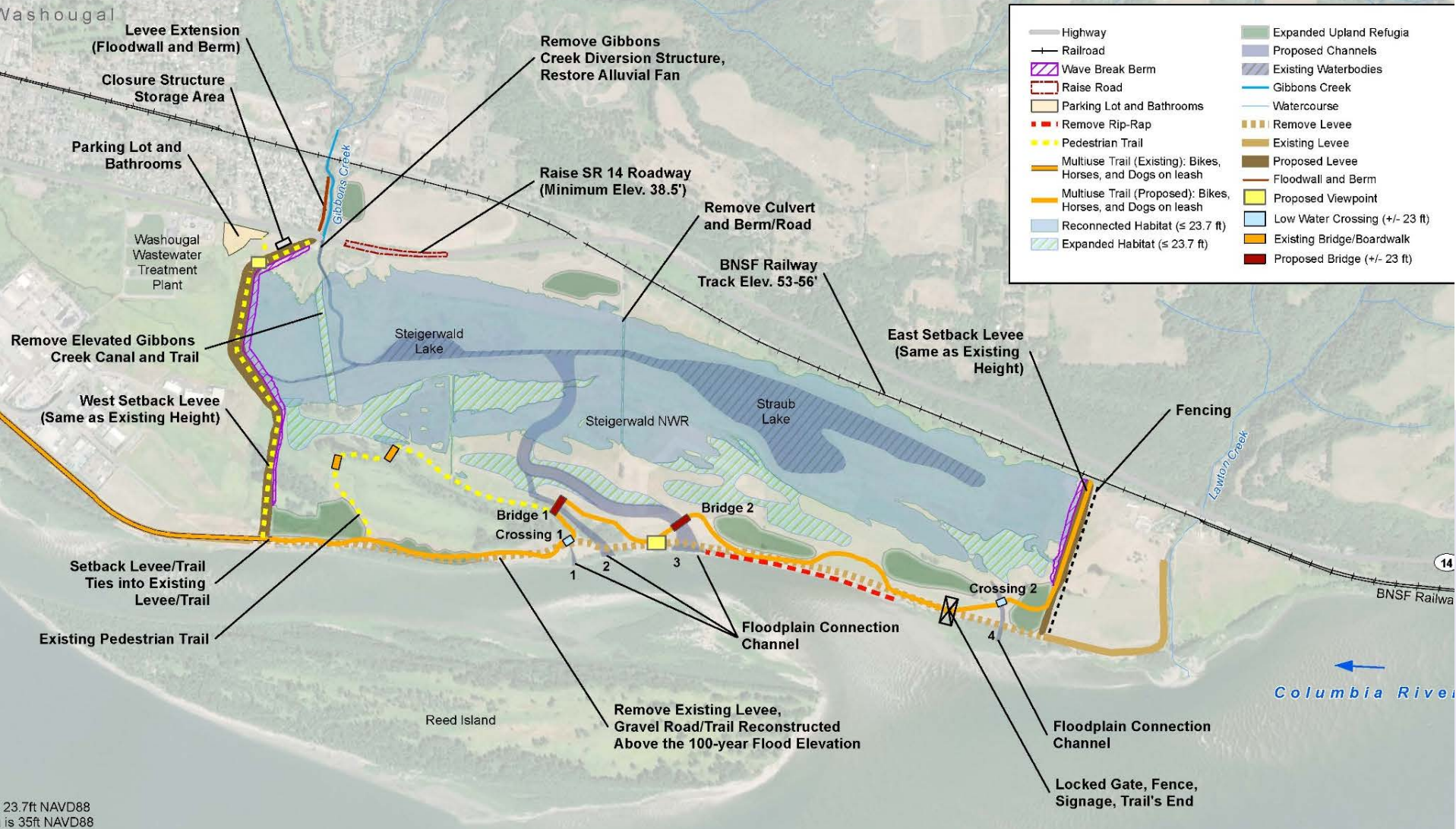
M Bar J Ranch



Steigerwald Floodplain Restoration Project — *Current Conditions*



Steigerwald Floodplain Restoration Project — *Concept Design*



23.7ft NAVD88
is 35ft NAVD88

Steigerwald Floodplain Restoration Project — *Project Benefits*

1. Recreation/Education:

- Improves trail system (used by 80,000 visitors annually)
- Public education (3,000 local students & volunteers will help plant trees)

2. Flood Control:

- Reduces flood risk to SR 14 and City residents
- Removes all City & Port infrastructure from FEMA flood zone
- Reduces the Port's O&M costs



Steigerwald Floodplain Restoration Project — *Project Benefits*

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- Reduces the Port's O&M costs

3. Economics:

- \$27,000,000 project
- Political support, media exposure
- Improves development potential of Port Industrial Park

4. Habitat:

- Restores 960 acres of Col. River floodplain

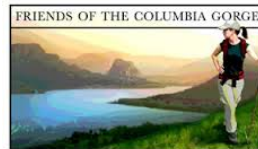


Steigerwald Floodplain Restoration Project — Schedule

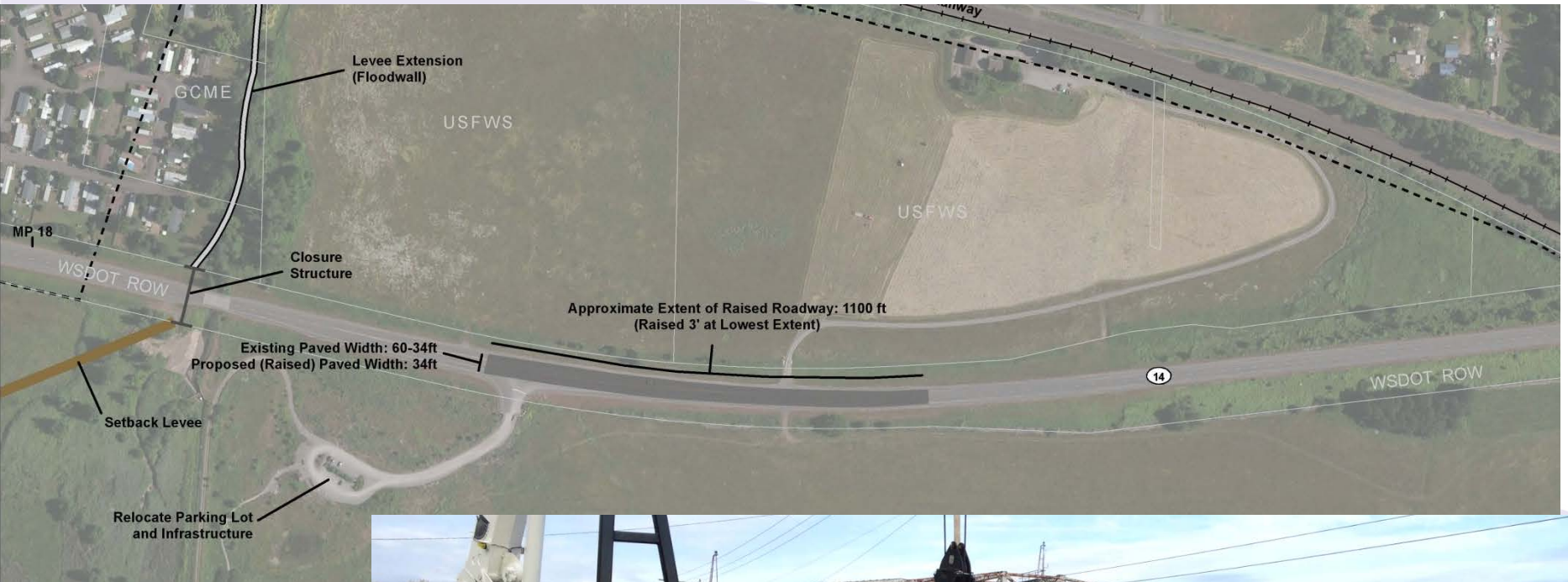
1. Initiated in 2013
2. Final Design: Dec. 2018
3. Permitting: Summer 2019
4. Construction: 2019 – 2021



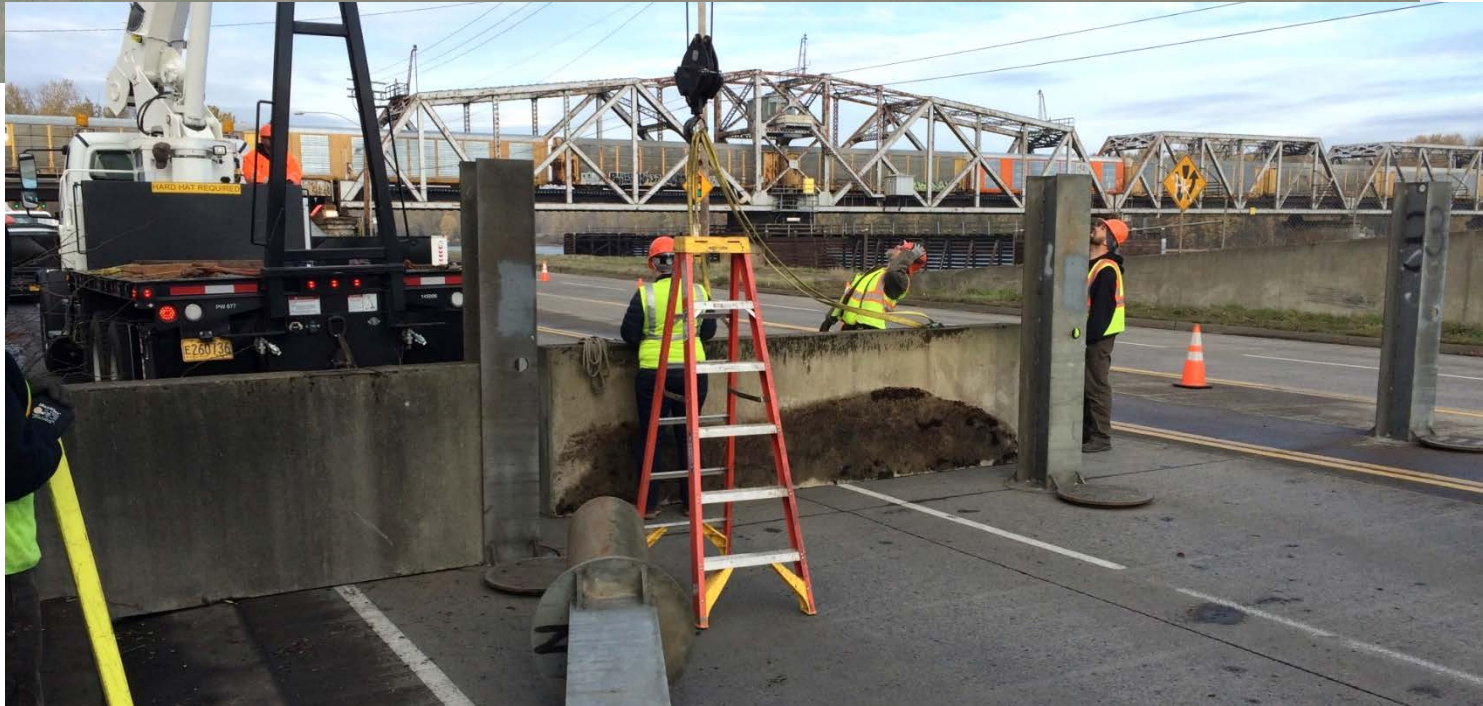
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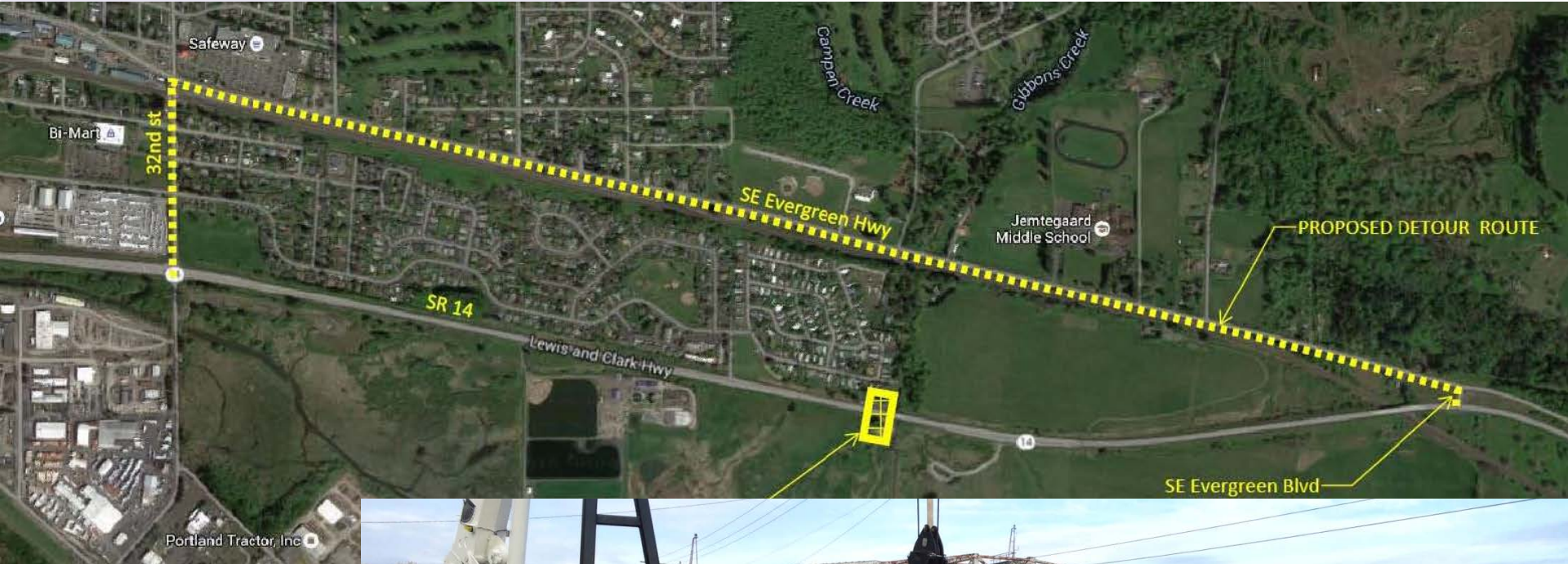
Steigerwald Floodplain Restoration Project – SR 14 Closure Structure & Detour



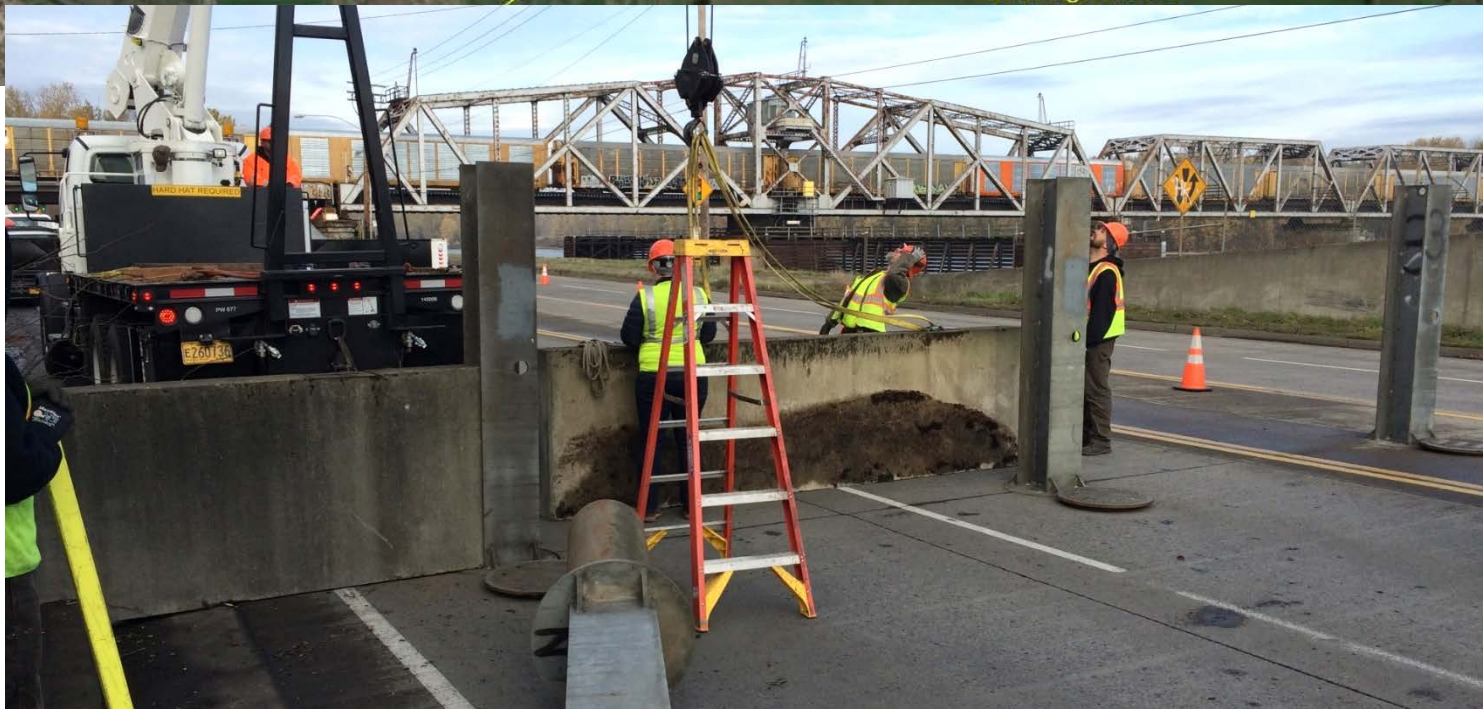
Example
Closure
Structure →



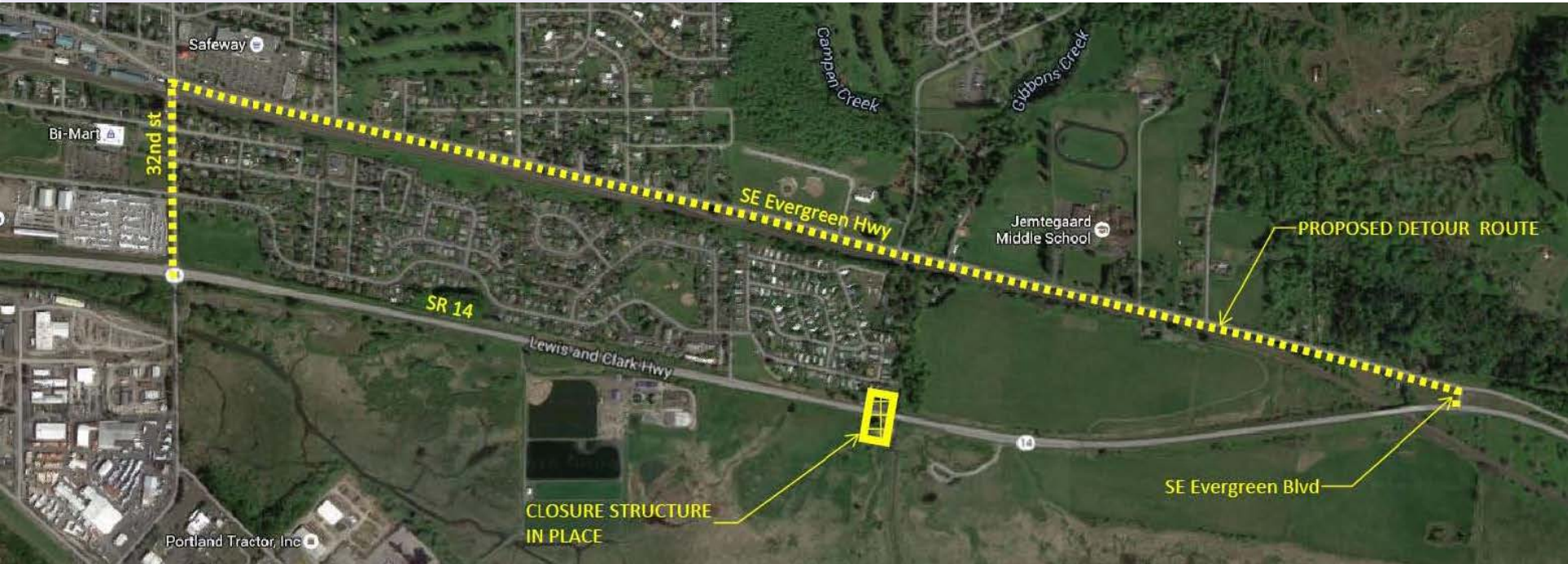
Steigerwald Floodplain Restoration Project – SR 14 Closure Structure & Detour



Example
Closure
Structure →



Steigerwald Floodplain Restoration Project – SR 14 Detour



- **Detour affects 0.8 miles of county roads (Old Evergreen Hwy)**
- **Closure structure installed when Col. River expected to reach EL 36.5 ft**
 - Approximately 3 feet above peak of 1996 flood
 - One foot above 100-year flood stage
- **Annual probability of use is less than 1%**
- **Other considerations:**
 - Traffic volume likely reduced during large flood
 - No diversion of truck traffic from I-84
 - Duration of detour likely less than one week

Steigerwald Floodplain Restoration Project — Questions?



Existing Levee

New Levee

SR 14 Raised

Parking

WWTP

Chris Collins
www.estuarypartnership.org
ccollins@estuarypartnership.org