

working for clean rivers

**Tryon Creek at Boones Ferry Road Culvert Replacement Project
Council Item 280**

Portland City Council | March 21, 2018



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**ENVIRONMENTAL SERVICES
CITY OF PORTLAND**

NICK FISH, COMMISSIONER
MICHAEL JORDAN, DIRECTOR



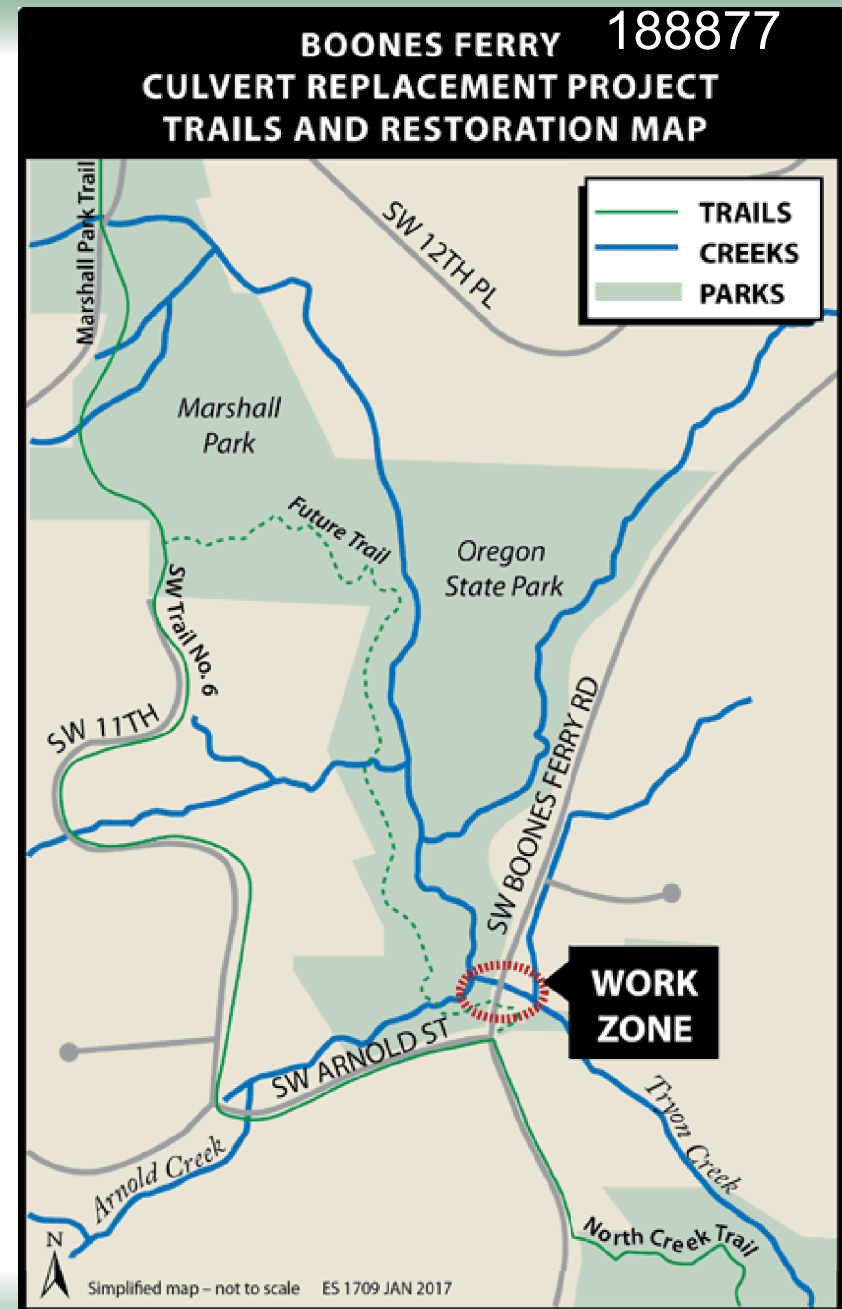
Ordinance Overview

Ordinance to authorize contract amendment #5 in the amount of \$316,298 with BergerABAM, Inc. of the Tryon Creek at Boones Ferry Culvert Replacement Project.



Project Overview

- 1997 Public Facilities Plan
- Remove 60-inch, 140-foot corrugated metal pipe culvert.
- Replace with a new single span steel girder bridge.
- Allow pedestrian, fish, and wildlife passage beneath roadway.
- PBOT coordination



Project Background

- Watershed plan and predesign 2005 and 2008, respectively.
- 2013, BES secured CIP funding to work on designs for conveyance capacity issues and to provide for fish passage
- September 11, 2013, contract with BergerABAM for design services.
- Recommendation from Advisory Committee to pursue bridge option after alternative analysis study.
- September 2, 2015, Council approves capital grant of \$650,000 through IGA with Metro.
- Contract negotiated with BergerABAM for bridge design.



Project Background

Tryon Creek Watershed is home to ESA-listed species including:

- Steelhead trout
- Chinook salmon
- Coho salmon

Also home to other native fish such as:

- Pacific lamprey
- Western brook lamprey

And other wildlife including:

- Black-tailed deer
- North American beaver



Project Objectives



Flow capacity issues at concrete trash rack



December 7, 2015 flooding conditions



Permits and Public Involvement

- Public Outreach
 - Partners – Metro, OPRD, PPR, PBOT, larger community, property owners
- Permits
 - DSL, Army Corps, BDS, DEQ
- Advisory Committee
- Adjacent property owners
 - Access, private property work, stewardship
- Coordination with partners
 - OPRD, SW Trails, neighborhood associations



Sanitary sewer crossing in Tryon Creek



Advisory Committee Members

Agency Partners

- Metro
- Oregon Parks and Recreation Department
- US Fish and Wildlife Service
- Portland Parks and Recreation
- Portland Bureau of Transportation (PBOT)
- Oregon Department of Fish and Wildlife
- West Multnomah Soil & Water Conservation District

Community Groups

- Tryon Creek Watershed Council
- SW Trails PDX
- Friends of Tryon Creek State Park
- SWNI Transportation Committee
- Arnold Creek Neighborhood Association

Property Owners

- Adjacent and nearby property owners



Project Budget and Schedule

Metro awarded a grant for the bridge design with underpass for maximum fish, wildlife and pedestrian passage.

Total estimated project costs:

- BES \$6,441,000
- OPRD contributing \$30,000
- Metro Grant \$650,000
- Construction in January 2019



Design Contract Amendment for Design and Construction Services¹⁸⁸⁸⁷⁷

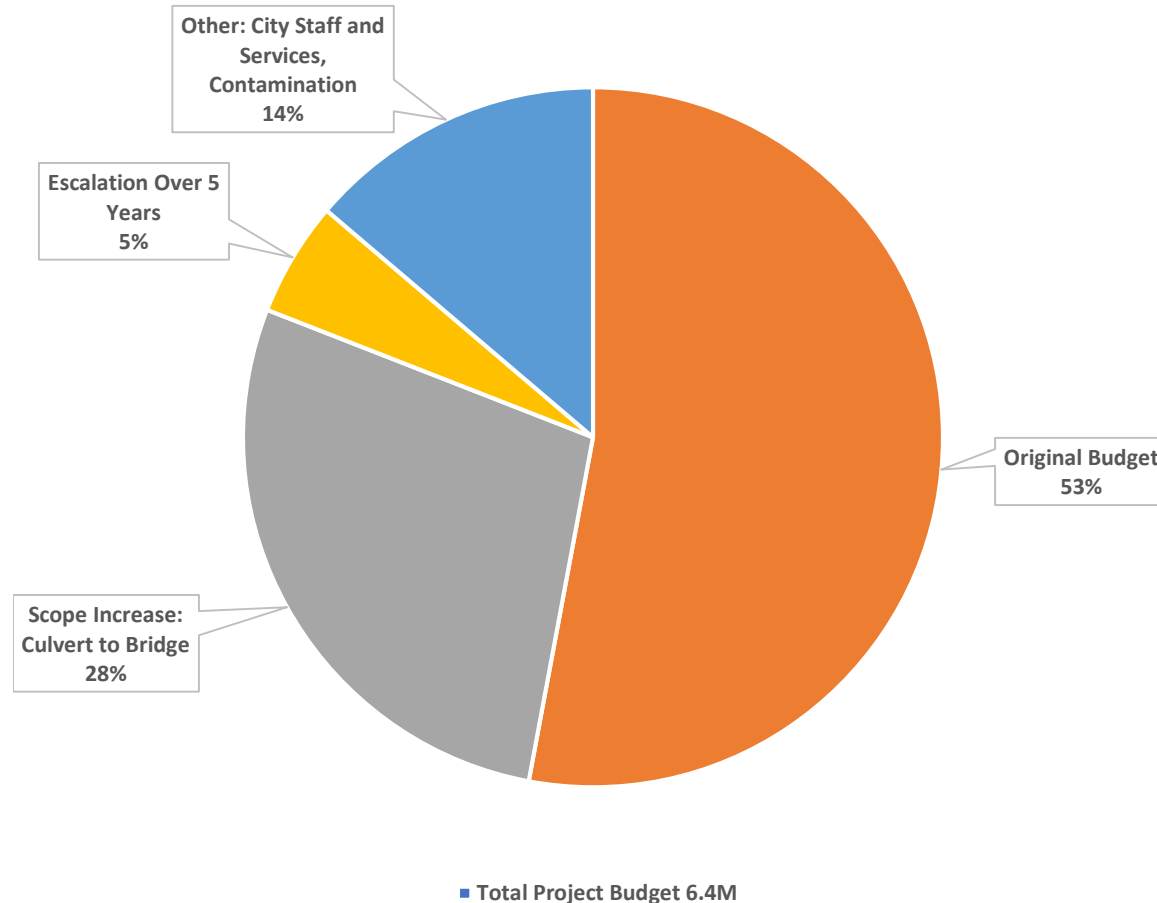
- Amendment retains BergerABAM for quality assurance through construction.
- Amendment increases contract with BergerABAM for 316K.
- Approximately 20.4% MWESB to subconsultants.



\$6.4M Total Budget: \$6.4M City Budget

Construction Estimate: \$4.6M

Level of Confidence: High



Questions

