



Lone Pine Irrigation District Infrastructure Modernization Project

Public Comment Meeting: May 5, 2021

Lone Pine
Irrigation District



Meeting Agenda

Part 1

Welcome
&
Technology

Part 2

Watershed Planning
&
Project Overview

Part 3

Question
&
Answer Session



Part 1

Welcome & Technology



Lone Pine
Irrigation District

 **USDA**
United States Department of Agriculture
Natural Resources Conservation Service

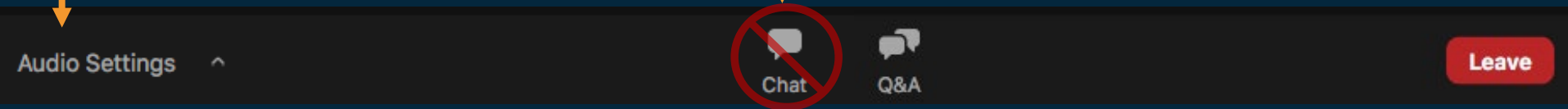
 **DBBC**
Connecting Central Oregon's Water, Land & Environment

 **fca**

Using Zoom Webinar

Microphones are muted

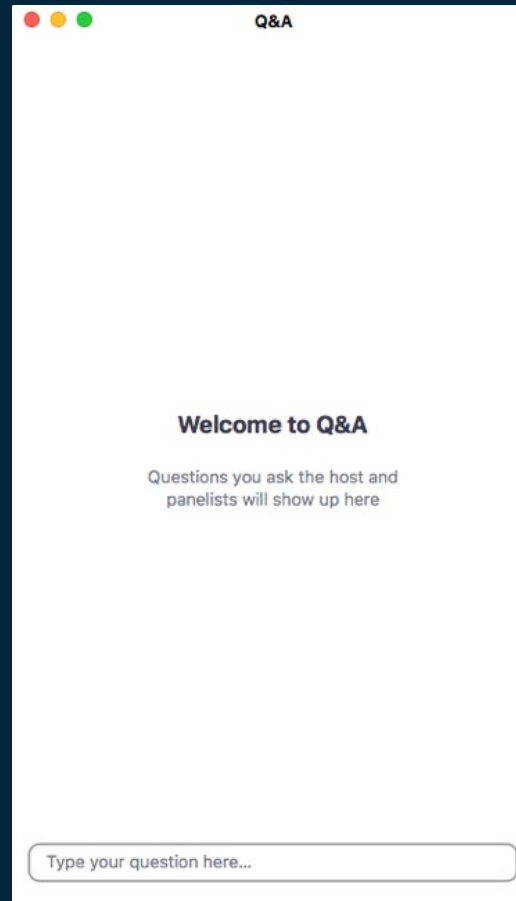
Chat box is disabled



Meeting is being recorded

Recording available afterward at
oregonwatershedplans.org

Using Zoom Webinar



- Submit questions at any time during the presentation
- Questions will be answered after the presentation by our panelists
- Formal comments can be submitted for the record via email, website, mail, or phone – more on that later

Use Q&A button to submit a question

Q&A box should appear



Leave

District Welcome



Part 2

Watershed Planning & Project Overview



Lone Pine
Irrigation District

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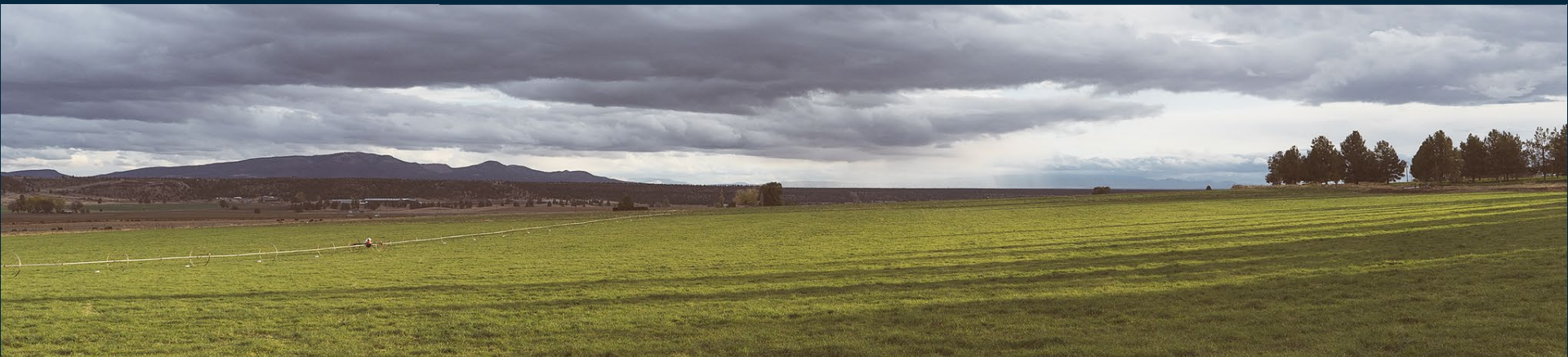
Watershed Protection and Flood Prevention Program (PL 83-566)

Managed and funded by

US Department of Agriculture Natural Resources Conservation Service (NRCS)

To qualify, irrigation districts must have

- 1) match funding
- 2) authorized Final Watershed Plan- Environmental Assessment (Plan-EA)



Watershed Planning Process

Step 1:
Project Proposal Initiation



Scoping Meeting

Step 2:
Scoping Period



Step 3:
Prepare DRAFT
Watershed Plan- Environmental Assessment



Public Meeting

Step 4:
Public Comment Period



Step 5:
FINAL
Watershed Plan-Environmental Assessment



Step 6:
Project Implementation and Construction



What a Plan-EA Includes

- Purpose & need for the project
- Proposed Action
- Proposed Action alternatives
- Proposed Action effects
- Minimization & mitigation measures
- Economic analysis



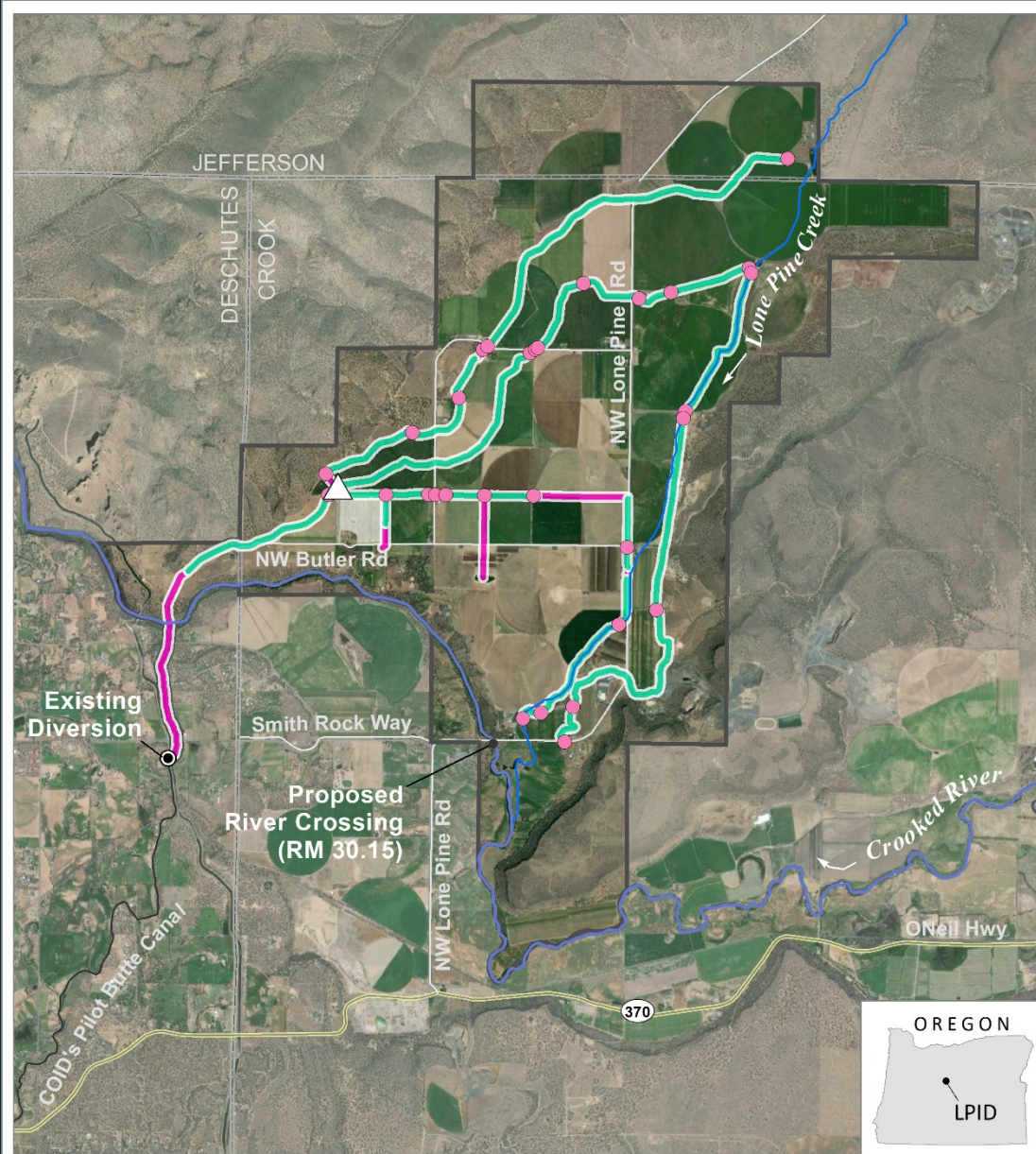
How the Plan-EA is Organized

1. Introduction
2. Purpose and Need
3. Scope of the Plan-EA
4. Affected Environment
5. Alternatives
6. Environmental Consequences
7. Consultation, Coordination, and Public Participation
8. Preferred Alternative
- 9-13. Other Required Sections
14. Appendix



Lone Pine Irrigation District Overview

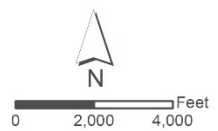
- 2,369 acres irrigated
- 22 irrigators served
- Irrigation season April-Oct
- Up to 11,800 acre-feet water diverted/year
- 15-mile system
- 1 pump station lifts and delivers water to the upper canal
- 1 bridge carries irrigation water across the Crooked River



Lone Pine Irrigation District

- Turnouts
- ~ Existing Canals
- ~ Existing Pipeline

- ⊙ Diversion
- △ Existing Distribution Center and Pump House
- ⊞ Lone Pine Irrigation District



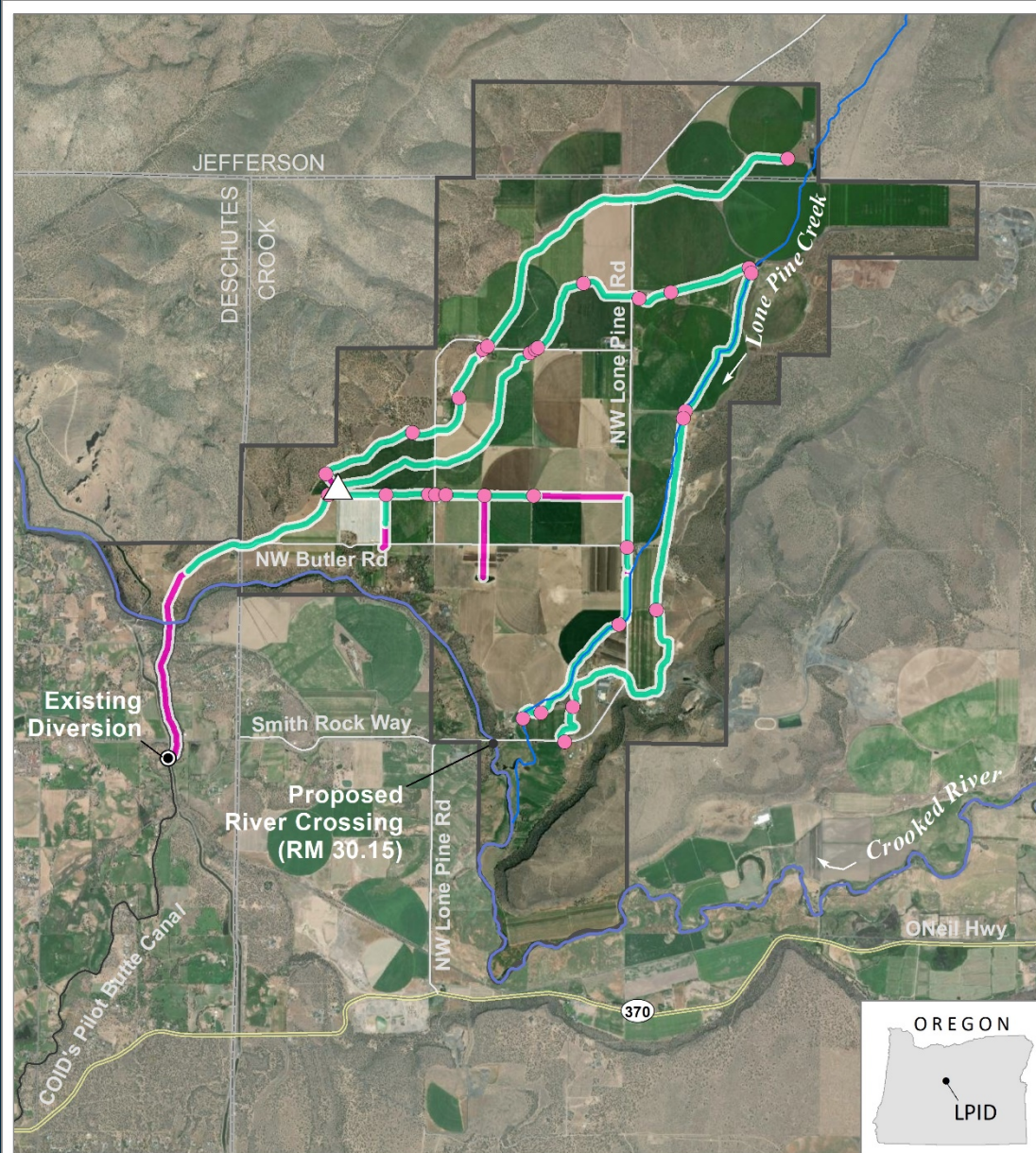
Credits: ODOT, NHD, Esri, NRCS, FGA

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Lone Pine Irrigation District Overview

Resource Concerns

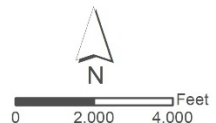
- Water delivery and operation inefficiencies
- Water loss in District infrastructure
- Instream flow for fish and aquatic habitat



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Credits: ODOT, NHD, Esri, NRCS, FCA

Project Purpose and Need

- Improve District infrastructure to convey water to Lone Pine irrigators
- Improve water delivery reliability
- Conserve water along District infrastructure



Alternatives

No Action Alternative

Future without Federal Investment

Continuation of the District's standard operations and maintenance

Piping Alternative

Future with Federal Investment

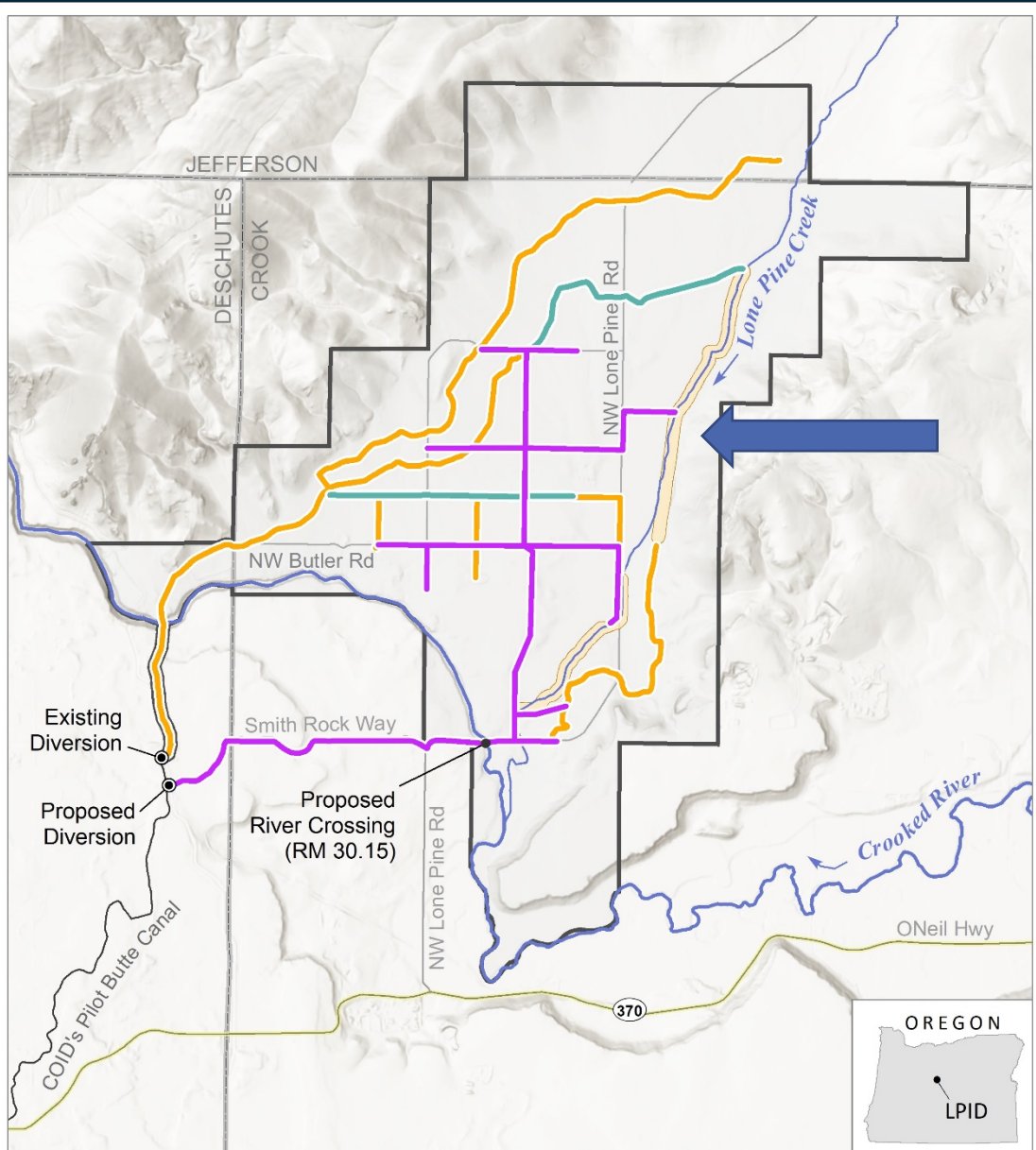
Proposed Action Infrastructure Improvements

- Realign the current conveyance system and install 10.9 miles of pressurized, buried pipe
- Construct a new river crossing at the Crooked River
- Upgrade associated turnouts
- Decommission 9.7 miles of open canal

Piping Alternative

Infrastructure Improvements

- Install **10.9 miles** of buried pipe
- Construct a **new river crossing** across the Crooked River
- Upgrade **45 turnouts** to accommodate the pressurized delivery system
- Decommission **9.7 miles** of open canal



Lone Pine Irrigation District

- Proposed piping in new alignment
- Proposed piping in existing alignment
- Existing infrastructure to be decommissioned and filled
- Diversion
- Existing infrastructure to be decommissioned and left open
- Lone Pine Irrigation District

0 2,000 4,000 Feet

Credits: ODOT, NHD, Esri, NRCS, FCA

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Piping Alternative

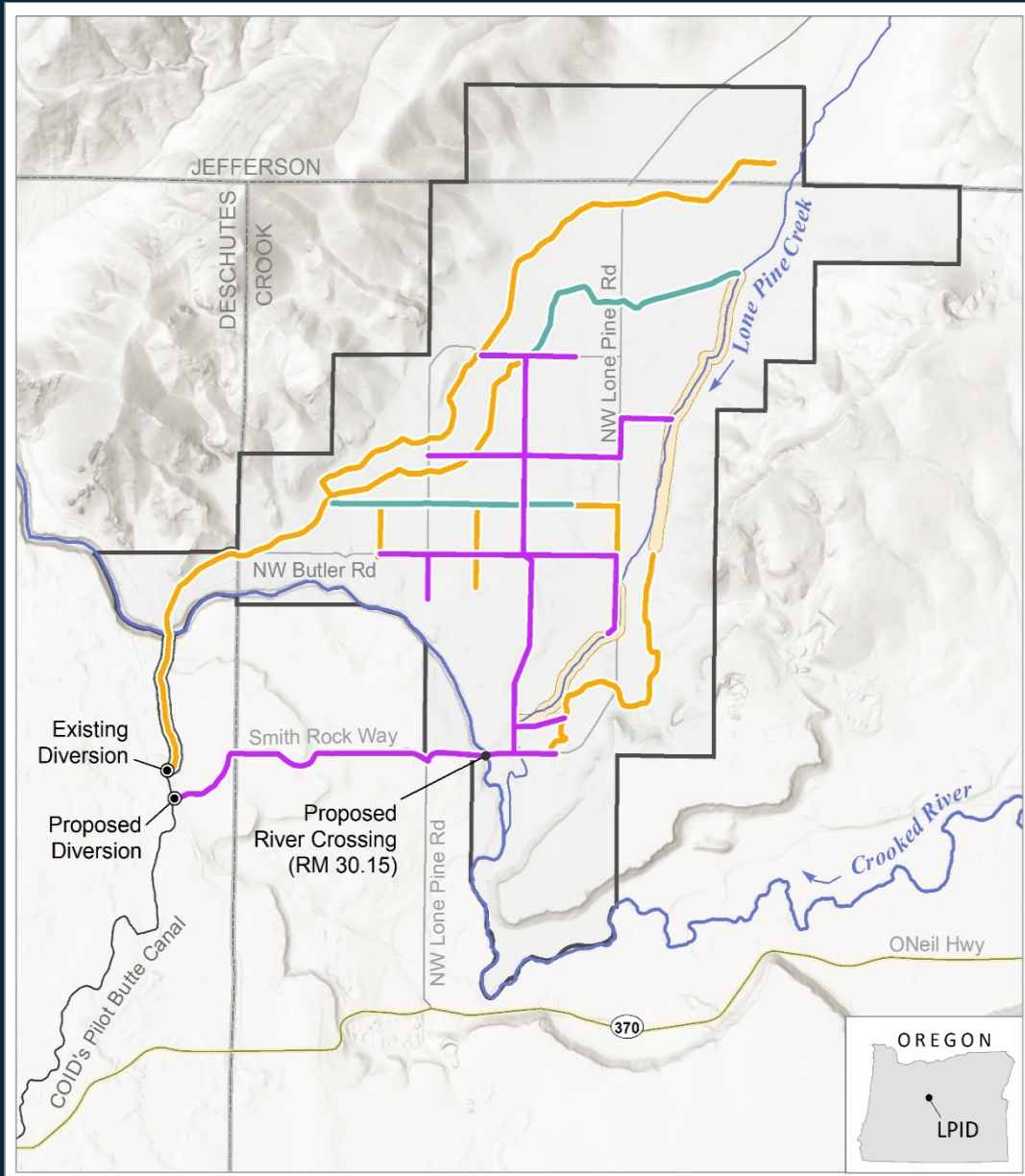
Project Cost and Timeline

Project Costs

- Total: \$13,893,000
- PL 83-566: \$10,523,000
- District match: \$3,370,000

Timeline

- 3 years



Lone Pine Irrigation District

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What This Project Would Achieve

- Improved water delivery reliability
- Improved water conservation
 - Save **2,103 acre-feet** annually from piping open canals/laterals and eliminating operational tail water spills
- Enhance streamflow and habitat conditions for fish and aquatic species
 - Protect **1,600 acre-feet** in the Deschutes River annually
 - Eliminate the operational spills and reduce the potential of contaminants entering the Crooked River



Plan-EA Resource Analysis

Fish and Aquatic Resources

Soils

Vegetation

Water Resources

Wetlands and Riparian Areas

Wildlife Resources

Cultural Resources

Land Use

Socioeconomic Resources

We Would Like Your Comments

- Your input helps NRCS make informed decisions
- Comments must be specific to LPID's project
- **Formal comments must be submitted in writing (letter, email, website) or by phone**
- Your comment will be included in the Final Plan-EA



Comment Suggestions

- Accuracy, methodology, assumptions, information used for analysis
- Errors and omissions
- Range of alternatives included
- NEPA and NRCS requirements



Comment Period Ends **May 20, 2021**

Opportunities to Submit Formal Comments

- Online: oregonwatershedplans.org
- Email: lonepinecomments@gmail.com
- Phone: (541) 716-6085
- Mail: Attn: Lone Pine Watershed Plan
Farmers Conservation Alliance
102 State St.
Hood River, OR 97031

Part 3

Question & Answer Session

