

# Locally Delivered State Funded Project Program: Harney County Bridges Case Study

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Local Project Delivery Workshop

September 21, 2016

# Overview

## Two Local Agency Bridge Projects

### ODOT Project Delivery

- Federal Funds through HBRR
- IGA - December 2013
- Consultant Selection - RFP June 2014
- WOC Negotiation - NTP March 2015
- TS&L Complete - October 2015

# Local Agency Perspective

- **Harney County's Previous Experience**
- **Federally Funded Bridges = Higher Cost**
- **Locally Delivered State Funded Project  
= Potential Cost Savings**



# Overview

## A Tale of Two Bridges

- Embree Bridge Road:  
East Fork Silvies River  
Bridge
- Drewsey Market Road:  
Stinking Water Creek  
Bridge

**Both Federally Funded**



# Embree Bridge Road: East Fork Silvies River Bridge Replacement

## Existing Conditions

- 3-span timber bridge - structurally deficient
- Streambank erosion



# **Embree Bridge Road: East Fork Silvies River Bridge Replacement**

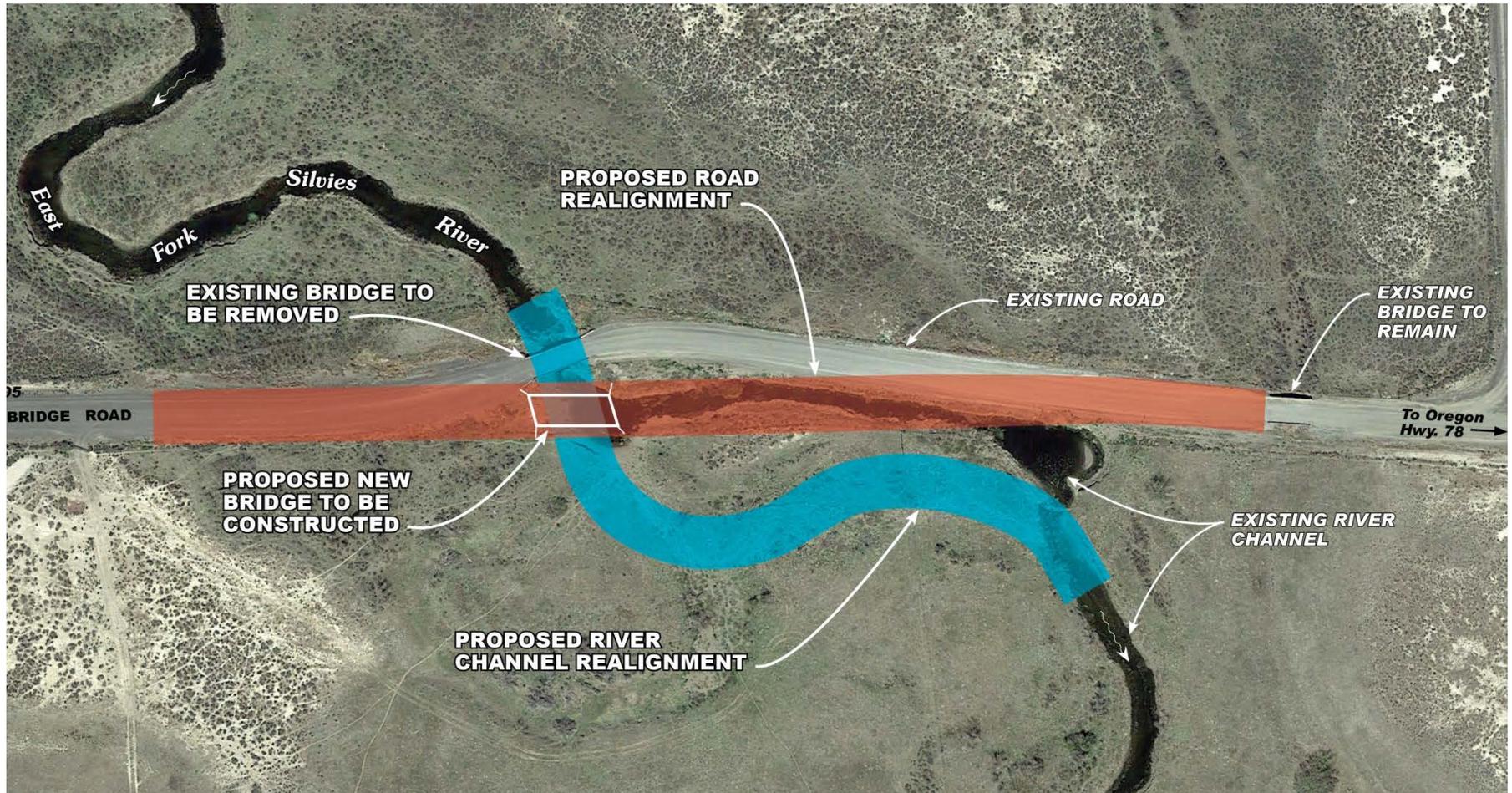
## **Bridge Replacement**

- Single-span precast concrete slab
- Realign approach roadway

## **Stream Channel Realignment**



# Embree Bridge Road: East Fork Silvies River Bridge Replacement



# Drewsey Market Road: Stinking Water Creek Bridge Replacement

## Existing Conditions

- 3-span timber bridge - structurally deficient

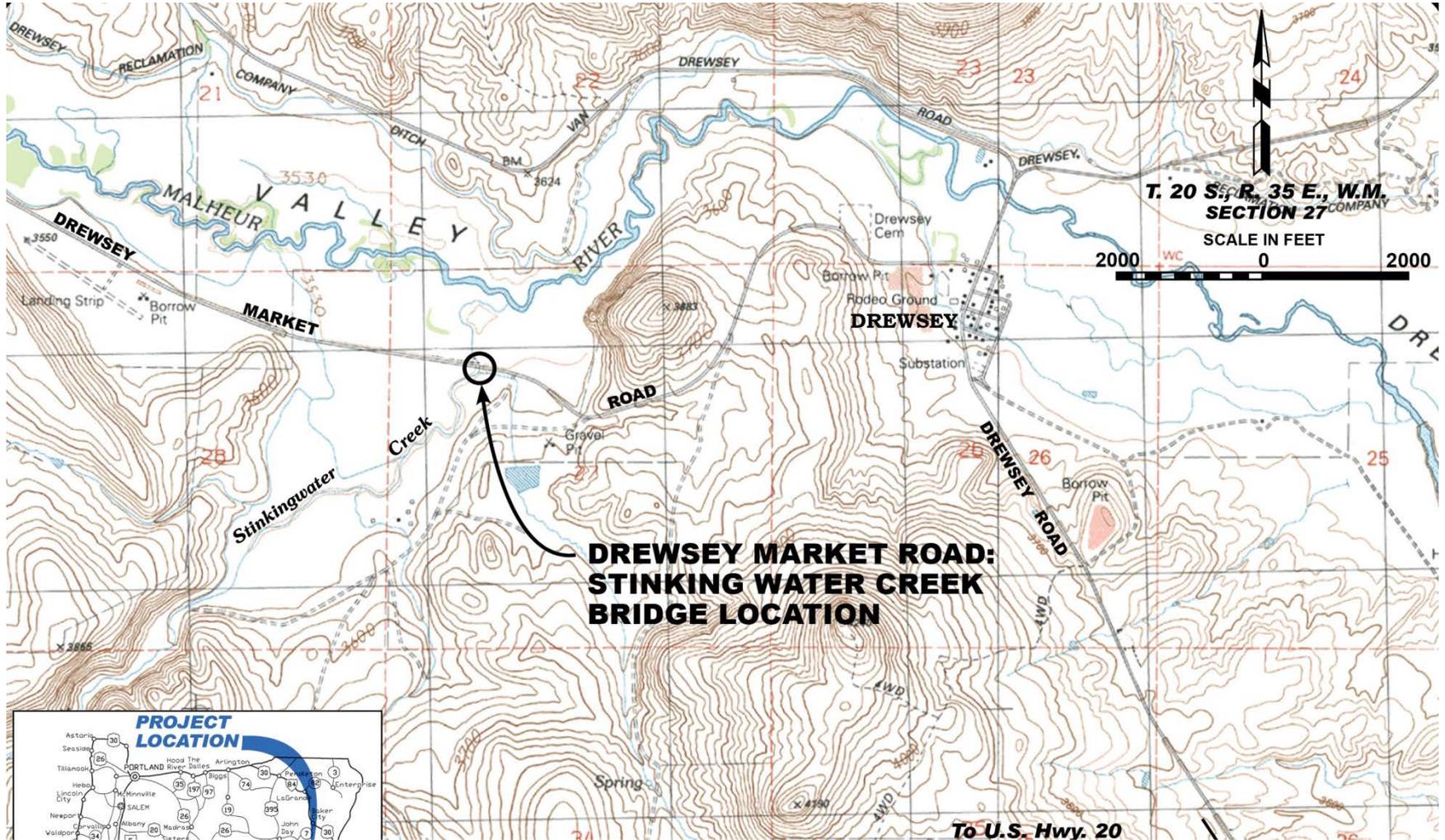


# **Drewsey Market Road: Stinking Water Creek Bridge Replacement**

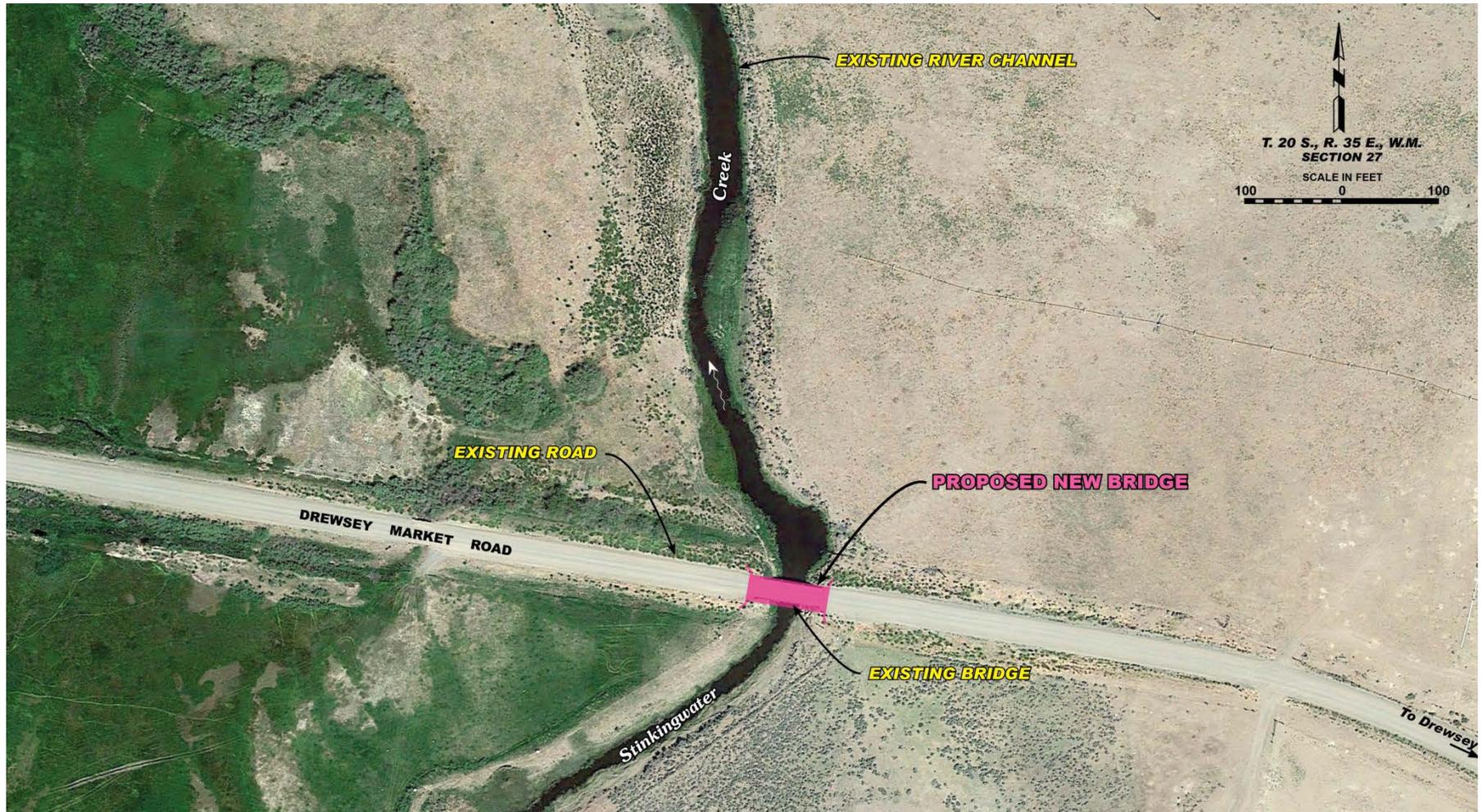
## **Bridge Replacement**

- Single-span precast concrete slab

# Drewsey Market Road: Stinking Water Creek Bridge Replacement



# Drewsey Market Road: Stinking Water Creek Bridge Replacement



# Locally Delivered State Funded Project Program

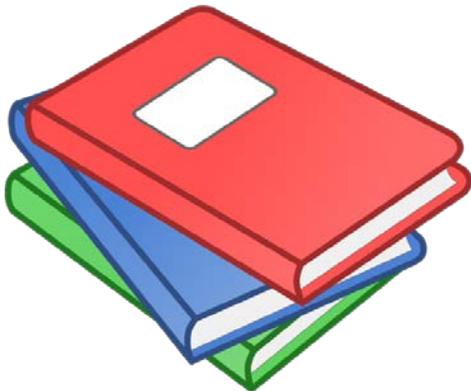
Discussions with Local Agencies

Pilot Project



# Design/Documentation Requirements

- AASHTO Design Standards
- Foundation Report
- Hydraulics Report with Scour Analysis
- Pile Records
- As-Built Plans
- Load Rating Report



# Cost Saving Opportunities

## Design

- Fewer administrative layers = shorter design schedule

## Environmental

- No automatic federal nexus = potentially fewer environmental requirements

## Construction

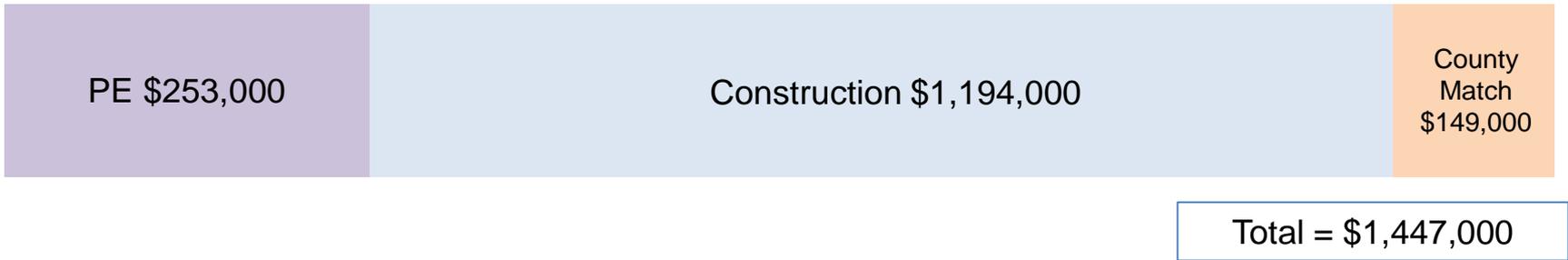
- Fewer administrative layers = faster and less \$\$

**Same Product, More Efficient**

# Potential Cost Savings

## Embree Bridge Road: East Fork Silvies River Bridge

### Federally Funded



### Locally Delivered State Funded



**Potential Savings = \$147,000 ~ 10%**

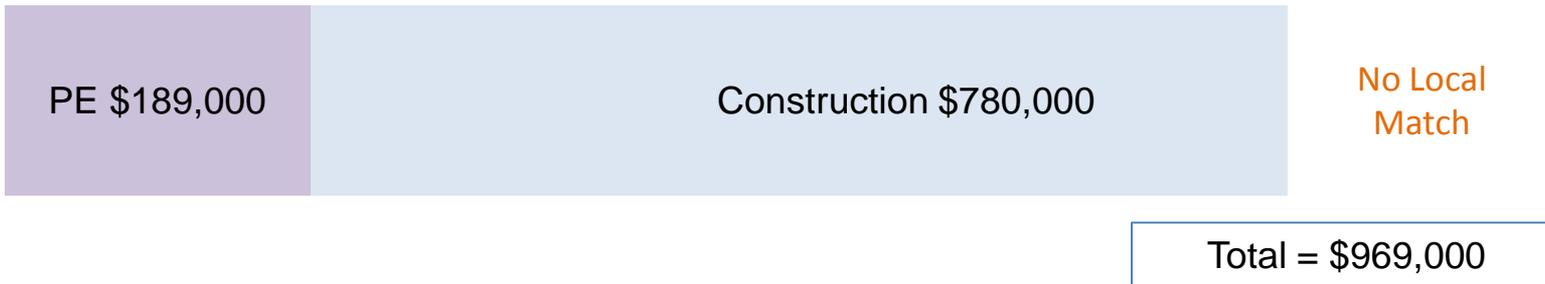
# Potential Cost Savings

## Drewsey Market Road: Stinking Water Creek Bridge

### Federally Funded



### Locally Delivered State Funded



**Potential Savings = \$89,000 ~ 8%**

# Questions?

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