



# South Avenue Bridge

Public Informational Meeting #1

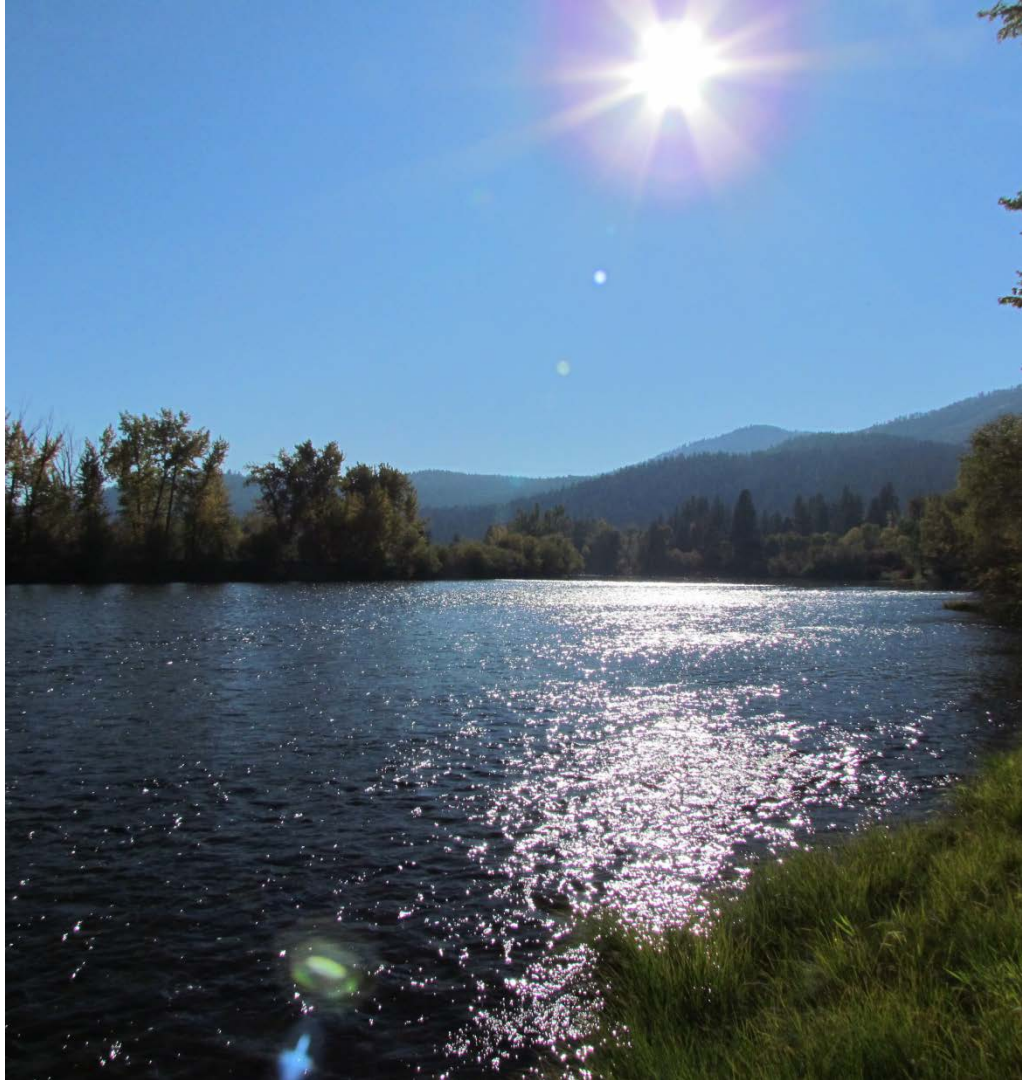
September 22, 2015

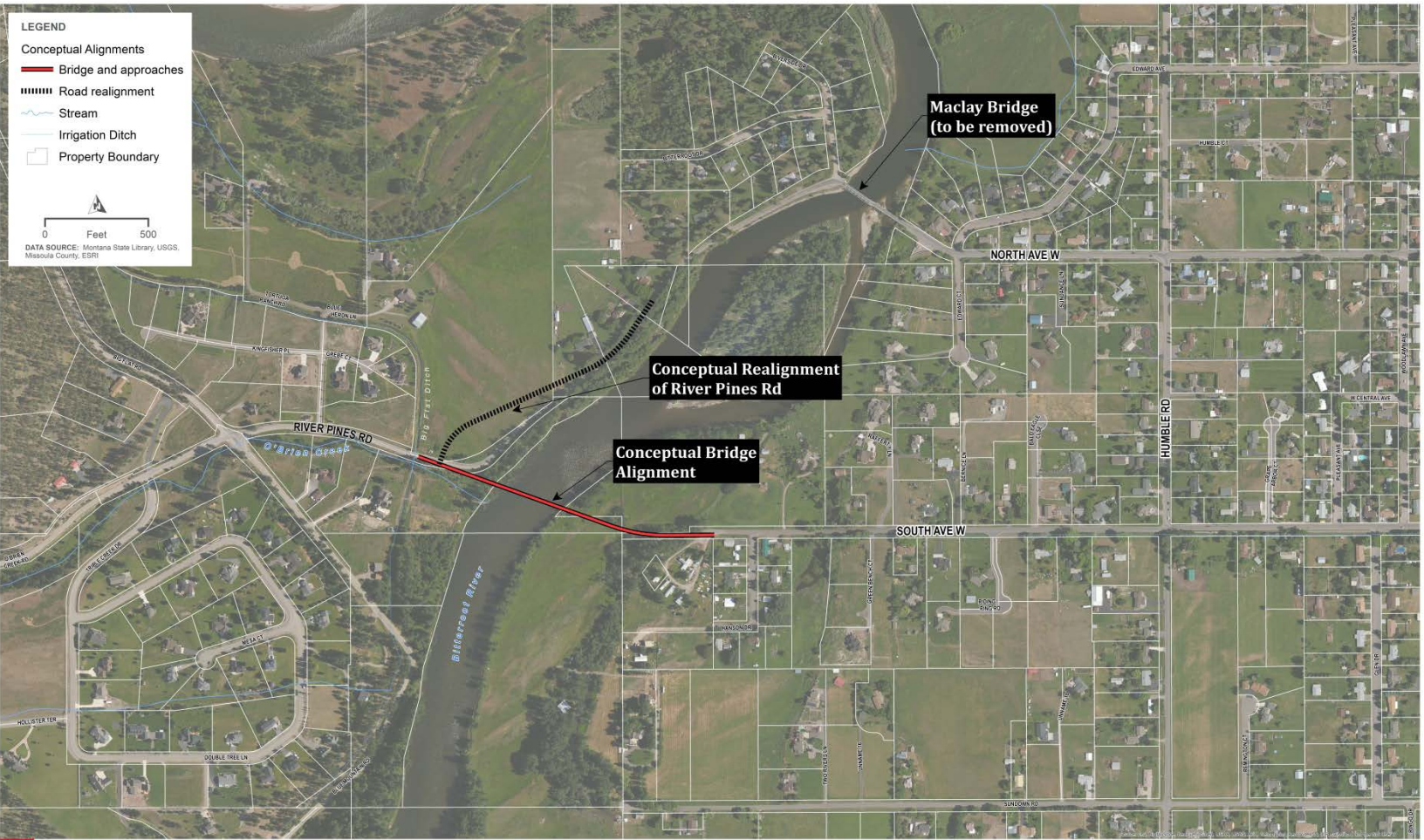


# WELCOME!

- Please visit our individual stations to learn more and talk individually with our project staff!
- Comments can be provided in written form via comment cards at our tables or the project website:

[www.southavenuebridge.com](http://www.southavenuebridge.com)





**LEGEND**

- Conceptual Alignments
- Bridge and approaches
- Road realignment
- Stream
- Irrigation Ditch
- Property Boundary

0 Feet 500

DATA SOURCE: Montana State Library, USGS, Missoula County, ESRI

**Maclay Bridge  
(to be removed)**

**Conceptual Realignment  
of River Pines Rd**

**Conceptual Bridge  
Alignment**

**SOUTH AVENUE BRIDGE PROJECT  
PROJECT AREA MAP**





# Project Schedule

As of September 2015

- Topographic Survey completed
- Right-of-way Property Corner Survey (at all legally accessible locations) under way
- Geotechnical Drilling completed
- Cultural Resources study under way
- Existing Maclay Bridge Architectural Review completed
- Hydrology Study completed
- Hydraulics model development under way
- Environmental Review under way

# Hydraulics & Hydrology Evaluation

- Hydrology Study is completed
- FEMA hydraulic model received and updated
- Currently updating hydraulic model with current survey information
- Bridge span and pier openings will be sized based on hydraulic requirements



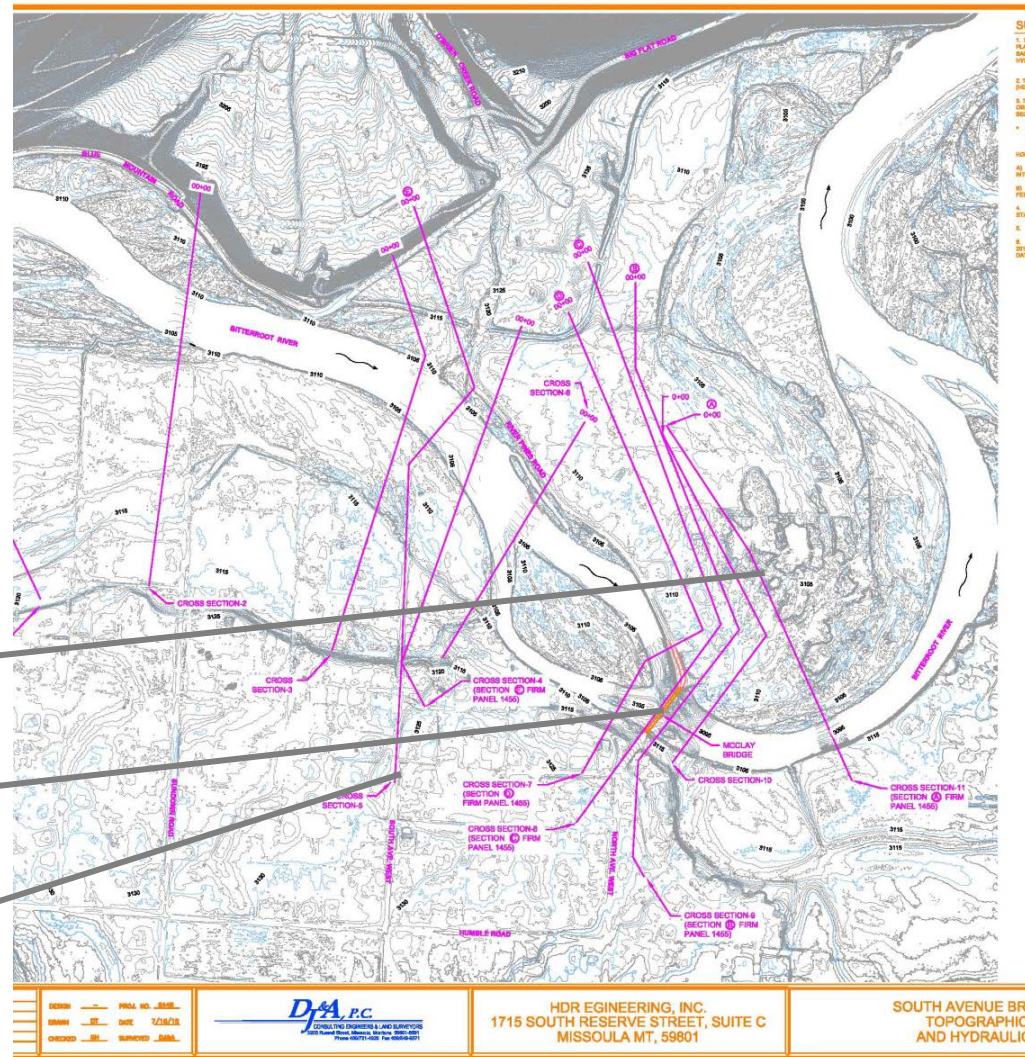
# Field Survey

- Conducted aerial (helicopter) survey and on-ground activities within legal rights-of-way
- Cross-sections of river using bathymetric surveying conducted by boat

Typical river cross-section

Existing Maclay Bridge

South Avenue



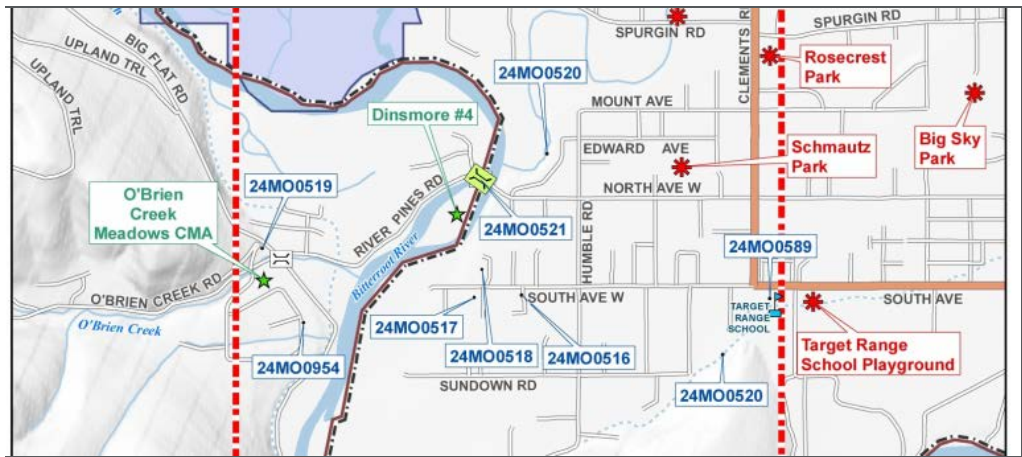
## Geotechnical

- Tetra Tech drilled two holes within legal rights-of-way
- Encountered about 70 to 80 feet of loose to medium dense sand with intermixed seams of gravel, overlying dense gravel extending from 80 to 110 feet
- Geotechnical Report is currently under development



# Cultural Resources

- Historical Research Associates (HRA) conducting Cultural Resource Survey, including above-ground features and existing bridge structure
- Architectural survey and inventory, including historical archive and photo research, complete





# Environmental Documentation

- Full NEPA/MEPA documentation and compliance planned
- Documentation of the Affected Environment under way
- Key technical studies to be conducted:
  - Wetland and Stream Delineation
  - Biological Assessment
  - Class III Cultural Resources Survey
  - Floodplain Analysis (currently under way)
  - Detailed Noise Analysis
- Full range of environmental resources to be examined: Social, Environmental, Economic





# Preliminary Bridge Design

- Pending field survey completion and hydraulic recommendations
- Items to be considered:
  - Roadway Alignment
  - Hydraulics/Floodplain
  - Environmental
  - Bike/Ped Accommodations
  - Aesthetics
  - Recreational Use

## **Next Steps**

- Complete property boundary survey to determine rights-of-way
- Complete geotechnical recommendations
- Complete hydraulic recommendations
- Initiate Resource Agency consultation
- Evaluate road and bridge design alternatives
- Continue environmental documentation

**Next Public Informational Meeting: March 2016**

# Your Comments are Welcome!

- Complete a comment card today (available at the front table)
- Submit comments online at [www.southavenuebridge.com](http://www.southavenuebridge.com)