



Broadway Avenue Bridge Replacement

Design Workshop #1

Feb. 28, 2013



Our Mission

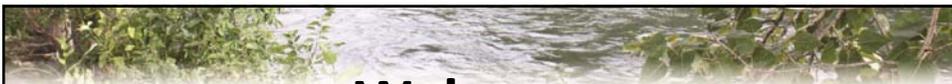
Your Safety.
Your Mobility.
Your Economic
Opportunity.





WELCOME

Dave Jones, ITD District 3 Engineer



Welcome

- Thank you for your participation
- Why the Broadway Bridge needs to be replaced





INTRODUCTIONS AND WORKSHOP OVERVIEW

Rosemary Curtin, RBCI



Introductions

- Broadway Bridge Project Team
- Workshop participants
- Facilities and breaks



Today's Agenda

- Workshop and project overview
- Bridge 101
- Presentations
- Working groups and report outs
- Next steps



Workshop Schedule and Purpose

- Workshop #1 | Today (Feb. 28)
 - Gather input about roadway, structure and Greenbelt connectivity
 - Concept
- Workshop #2 | Mid-to-late March
 - Design elements
- Workshop #3 | Early April
 - Options



Workshop materials

- Handouts
- Comment sheets



PROJECT OVERVIEW

Wade Christiansen, ITD District 3 Project Manager



Community Involvement

- ITD is committed to working with the community
- Ensures the project will meet community needs
- Activities will help set the project up for smooth transition into construction



The project includes:

- Designing a new bridge and roadway improvements
- Removing the existing bridge
- Building a new bridge and completing roadway improvements
- Repaving Broadway Avenue between University Drive and Front Street



The project includes:

- Conducting an environmental evaluation
- Improving traffic flow and pedestrian/bicycle safety
- Improving the Greenbelt pathway in the project area
- Completion of geothermal line



The Broadway Avenue Bridge

- On average, 24,500 cars travel across the Broadway Bridge each day
- Pedestrian and bicyclist use has increased over the years
- The bridge is showing signs of wear and needs to be replaced



Considerations

- The next slides will go over the factors that must be taken into account during the design



Safety

- ITD's highest priority
- Must meet national standards
- All modes have to be accounted for in the design





Structure/Roadway

- Broadway Avenue profile/grade
- River/Greenbelt users
- Steel girders
 - Signature bridge not an option
- Roadway width and number of lanes



Right-of-Way Realities

- Limited space in project area
- Can only purchase right-of-way to the east
- Need to make the best use of available space





Environmental and Cultural

- Historic church
- Boise State University
- Julia Davis Park
- Greenbelt



Environmental and Cultural

- River
- Habitat and wildlife
- Environmental review in process



City Requirements

- Greenbelt
- River
- Lighting



Maintenance

- ITD maintains the bridge and roadway surface
- ACHD maintains the storm sewer system
- City of Boise maintains lighting and the Greenbelt
- Needs to be considered while making decisions on design and architectural elements



Funding/Costs

- Federal funds have constraints
- Design and architectural elements must be related to the project
- Enhancements can be funded by partners



Construction

- Status of full vs. partial closure
- Factors being considered
 - Traffic analysis
 - Commuter delay
 - Cost differences (construction and user)
 - Environmental impacts
 - Business impacts





BRIDGE 101
John Hinman, CH2MHILL



ROADWAY
Wade Christiansen, ITD District 3 Project Manager





Roadway

- Typical section
- North/south lanes
- Driven by needs in community
- Trade-off of impacts
- Traffic operations
- Right-of-way impacts

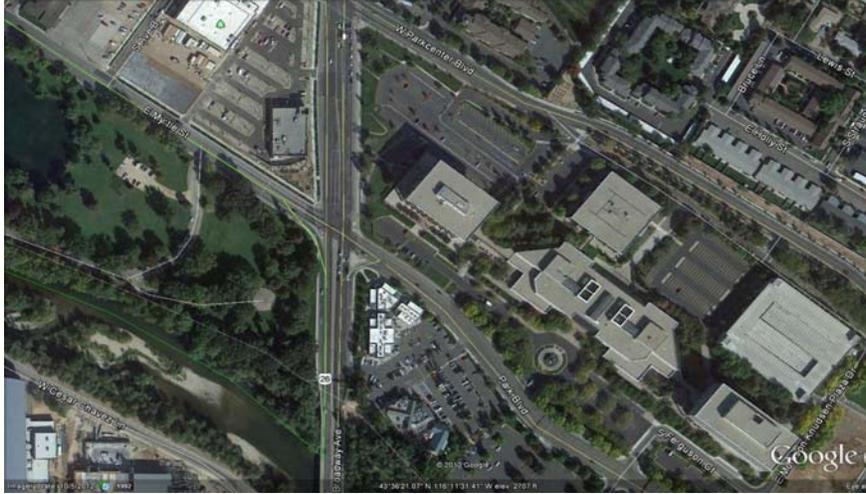


Bicyclists and Pedestrians

- Wider sidewalks
- Bicycle lanes
- Positive separation between roadway and pedestrians on the bridge



North



South





STRUCTURE
John Hinman, CH2MHILL



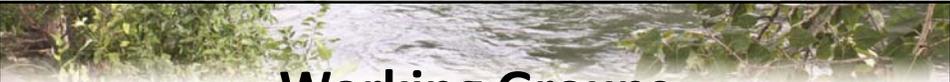
GREENBELT
Blaise Exon, CH2MHILL





WORKING GROUPS

Rosemary Curtin, RBCI



Working Groups

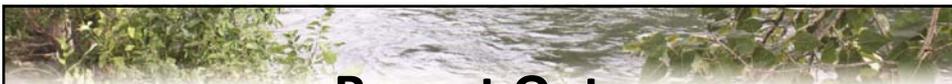
- Facilitated discussion
- Comment sheets
- Summary





REPORT OUTS

Rosemary Curtin, RBCI



Report Outs

- Optional/Time permitting





NEXT STEPS

Rosemary Curtin, RBCI
Chas Filanowitz, CH2MHILL
Wade Christiansen, ITD Project Manager



Workshop #1

- Summary of workshop
- Communication



Workshop #2

- Preparation
- Content
- Invitation



Thank you

- Thank you for attending
- Visit the project website:
<http://itd.idaho.gov/projects/d3/broadwaybridgereplacement>
- Contact Wade Christiansen
ITD Project Manager
(208) 334-8969
wade.christiansen@itd.idaho.gov



