

SH 82

GRAND AVENUE BRIDGE

Public Open House

Wednesday, April 4th - 4:30 to 7:00 p.m.

Glenwood Springs Community Center

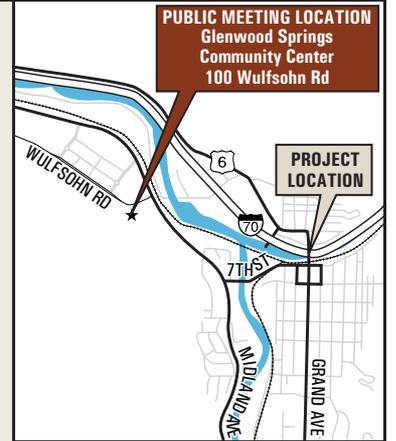
100 Wulfsohn • Glenwood Springs, CO

Attendees can come at any time as there is no formal presentation.

Project information and documentation are available at www.sh82grandavenuebridge.com or www.coloradodot.info/projects/sh82grandavenuebridge.

Para informacion en Español llamen a Brann Greager al numero (720) 359-3046.

Accommodations are in compliance with the Americans with Disabilities Act. For any special accommodations, call Tom Newland at (970) 927-4645, or the TDD number for the hearing impaired at 1-800-659-3656.



Information to be Shown at the Public Open House

Background

The Colorado Department of Transportation (CDOT) and the Federal Highway Administration (FHWA) have initiated an Environmental Assessment (EA) process to address functional, structural, and safety deficiencies of the SH 82 Grand Avenue Bridge and to bring it up to current standards for a four-lane bridge.

The study team has been working on the project vision, context statement, goals, key project outcomes, and criteria for evaluating the alternatives for the EA. They have finished Level 1 (fatal flaw) screening and are now in the Level 2 (comparative/qualitative) evaluation and screening of alternatives.

Initial Alternatives Evaluation and Screening

The fatal flaw analysis at Level 1 and initial alternatives evaluation for Level 2 considered these general families of alternatives:

Alignments

Options for routing a bridge that connects downtown Glenwood Springs across the Colorado River and I-70 to the historic Glenwood Hot Springs area. They are single bridge or paired (couplet) one-way bridges on different alignments.

The full range of options is illustrated on the facing page. There will be more detailed displays and information about each alternative at the Open House.

Cross-Section Elements

Cross-section elements that refer to characteristics of the bridge, including:

- Number and width of lanes
- Pedestrian and bicycle facilities
- Medians and shoulders
- Auxiliary lanes
- Special use lanes

Vertical Alignments

Options to raise or lower the vertical elevation compared to the existing bridge.

Future Evaluation and Screening

After incorporating the comments and ideas from this Public Open House, the study team will come up with a smaller set of alternatives that will be evaluated in more detail in Level 3 (quantitative) screening. More detail will be added to the options in the following categories:

- Bridge Landing Points/ Intersections
- Bridge Pier Locations
- Bridge Types
- Constructability/Phasing
- Environmental Considerations
- Urban Design
- Other Enhancements
- Other Design Details

Comments, Ideas, and Recommendations

At the Public Open House on April 4, the public is invited to provide comments, ideas, and recommendations to the study team on the initial alternatives under consideration.

Alternatives

No-Action Alternative

For the EA, the No-Action Alternative includes any future, programmed transportation improvements within and adjacent to the study area. These improvements would be made whether or not any improvements are made as part of this project. Because there are no additional projects to include in the No-Action Alternative for this EA, it will be represented as the existing transportation network. The No-Action Alternative will be fully evaluated as one of the alternatives in the EA process.

Rehabilitation Alternative



Rehabilitation would likely include the following elements to meet current engineering standards:

- Replacing the existing bridge deck.
- Replacing the existing bridge railings.
- Adding girders to provide wider lanes.
- Replacing at least 30% of the existing steel girders.
- Strengthening the remaining girders.
- Strengthening and widening the existing piers.
- Adding structural scour mitigation to the piers in the river.
- Raising the bridge to achieve vertical clearance requirements (raise about 400 feet of the length).
- Adding vehicular impact protection for the piers adjacent to I-70.
- Improving the pedestrian access to the pedestrian bridge on the southeast corner.



Replacement Alternatives

These alternatives would involve construction of a new bridge or bridges. SH 82 traffic would either remain on Grand Ave. or be routed to Cooper Ave. and/or Colorado Ave.

Alternative 1



New 4-lane bridge generally on existing alignment.

Alternative 2



New 4-lane bridge connecting Grand Ave. to about 6th St. & Maple St.

Alternative 3



New 4-lane bridge connecting Grand Ave. to 6th St. and Laurel St. area. Intersection could vary – see Intersection Options.

Alternative 4



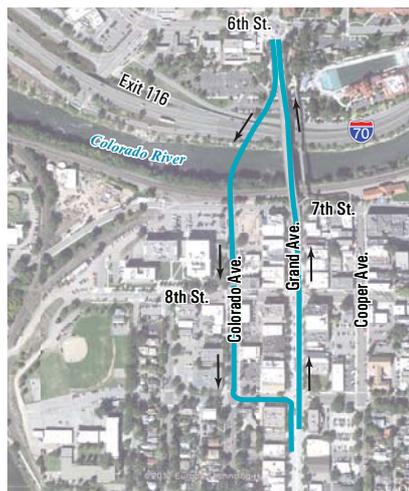
Two new bridges, each 2 lanes and one direction – northbound Grand Ave. to 6th St. and Pine St.; southbound 6th St. and Laurel St. area to Grand Ave.

Alternative 5



Two new bridges, each 2 lanes and one direction – northbound Grand Ave. to 6th St. and Pine St.; southbound 6th St. and Laurel St. area to Colorado Ave., then one-way with 2 lanes along Colorado Ave. to 9th St., connecting back to Grand Ave.

Alternative 6



Two new bridges, each 2 lanes and one direction – northbound Grand Ave. to 6th St. and Pine St.; southbound 6th St. and Pine St. to Colorado Ave., then one-way with 2 lanes along Colorado Ave. to 9th St., connecting back to Grand Ave.

Alternative 7



Two new bridges, each 2 lanes and one direction – northbound Grand Ave. to 6th St. and Maple St. area; southbound 6th St. and Maple St. area to Colorado Ave., then one-way with 2 lanes along Colorado Ave. to 9th St., connecting back to Grand Ave.

Alternative 8



Two new bridges, each 2 lanes and one direction – northbound Grand Ave. to 6th St. and Pine St.; southbound 6th St. and Maple St. area to Colorado Ave., then one-way with 2 lanes along Colorado Ave. to 9th St., connecting back to Grand Ave.

Alternative 9



Two new bridges, each 2 lanes and one direction – northbound Grand Ave. to 6th St. and Laurel St. area; southbound 6th St. and Laurel St. area to Colorado Ave., then one-way with 2 lanes along Colorado Ave. to 9th St., connecting back to Grand Ave. 6th St. and Laurel St. area intersection could vary – see Intersection Options.

Alternative 10



Two new bridges, each 2 lanes and one direction – northbound Cooper Ave. (via Grand Ave. and 9th St.) to 6th St. and Pine St.; southbound 6th St. and Pine St. to Colorado Ave., Colorado Ave. and Cooper Ave. are 2-lane one-ways in opposing directions that connect back to Grand Ave.

Alternative 11



Two new bridges, each 2 lanes and one direction – northbound Cooper Ave. to 6th St. and Laurel St. area; southbound 6th St. and Laurel St. area to Colorado Ave.; Colorado Ave. and Cooper Ave. are 2-lane one-ways in opposing directions that connect back to Grand Ave. at 9th St. 6th St. and Laurel St. area intersection could vary – see Intersection Options.

Intersection Options

Option A



Signals for SH 82, local roundabout.

Option B



Large roundabout for all traffic.

Option C



Flyover for westbound SH 82.