

## I-190/Silver Street Study

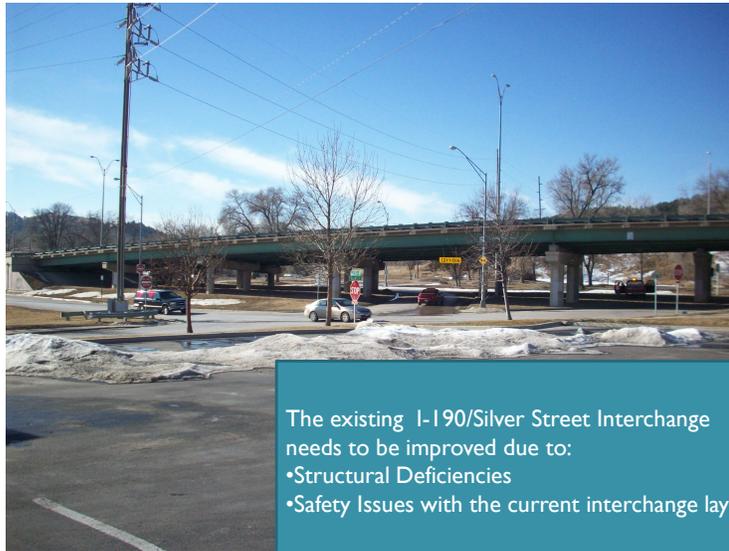
Public Meeting/Open House



## Project Overview & Update

- Project Overview
- Range of Interchange Alternatives
- Neighborhood Connections Options
- Environmental Considerations
- Next Steps of the Project
- Comments on Project and Alternatives

## Project Overview



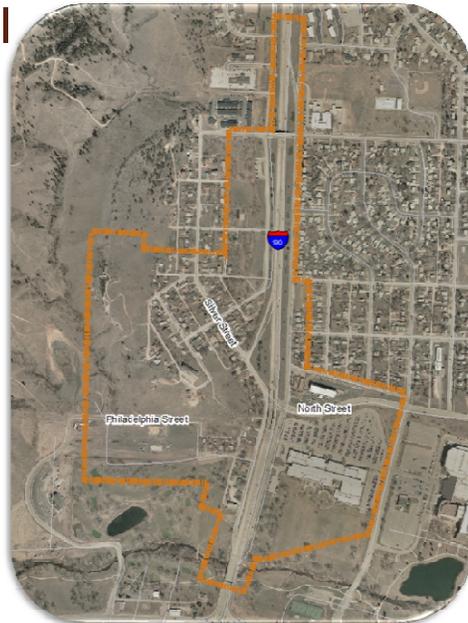
## Phase I Results

- Conducted March 2010 to Dec. 2010
- Reconstructed interchange vs. at-grade intersection
- Retain Interstate highway designation
- No changes at I-90/I-190

## The Purpose and Need of the Study

- Meet current design standards
- Improve the safety and mobility
- Replace structurally deficient bridge
- Implement the Rapid City's Major Street Plan

## Environmental Study Area



## Anamosa Street On-Ramp

- Doesn't meet Interstate standards
- Remove in all alternatives, except No-Build



## Range of Alternatives

- Alternative 1
- Alternative 1a
- Alternative 2a
- Alternative 3a

## Environmental Considerations

- Environmental Justice
- Noise Study
- Wetlands and Waters of the U.S
- Parks and Recreation Areas
- Archeological Sites and Historic Structures
- Threatened and Endangered Species
- Floodplain

## Alternative 1

### Benefits

- Driver familiarity with the standard diamond interchange.
- Connection options not needed.

### Drawbacks

- Connection from Silver Street to North Street would not comply with the City's Major Street Plan.
- Project footprint would require property acquisitions.
- Skewed cross road is a potential safety issue.
- Longer structures
- Poor sight distance



## Alternative 1a

- Benefits
  - Meets interstate design standards and improves safety and traffic capacity.
  - Meets City's Major Street Plan
  - More familiar interchange
  - Improve interchange safety
  - Improved visibility
- Drawbacks
  - Project footprint would require property acquisitions.
  - Alters existing traffic connection from Silver Street to North Street.
  - Requires alternative connection



## Alternative 2a

- Benefits
  - Meets interstate design standards and improves safety and traffic capacity.
  - Meets City's Major Street Plan
  - More familiar interchange
  - Improve interchange safety
  - Improved visibility
- Drawbacks
  - Project footprint would require property acquisitions.
  - Requires alternative connection



## Alternative 3a

- Benefits
  - Meets interstate design standards and improves safety and traffic capacity.
  - Meets City's Major Street Plan
  - More familiar interchange
  - Improve interchange safety
  - Improved visibility
- Drawbacks
  - Project footprint would require excessive property acquisitions.
  - Additional structure cost.
  - Alters existing traffic connection from Silver Street to North Street.
  - Loop requires right turn to go left



## Future Steps of the Project

- Completion of the Draft EA
- Review by the SDDOT and FHWA
- Revision of the Draft EA
- FHWA approves the Draft EA for Public Availability
- Public Meeting to discuss the Preferred Alternative
- Final EA that notes the Preferred Alternative

## Questions and Feedback

- Talk to staff
- Comment cards
- Email or other electronic means
- [http://www.sddot.com/pe/projdev/planning\\_ss\\_1190.asp](http://www.sddot.com/pe/projdev/planning_ss_1190.asp)

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