

I-190/Silver Street Study

Phase 1 Public Meeting



The reason for the study



Study Area





Goals/Objectives

- Analyze existing and future traffic operations
- Develop interchange concepts
- Develop intersection concepts
- Research removing Interstate designation
- Local/public input
- Advantages/Disadvantages - support SDDOT decision
- Summarize and document

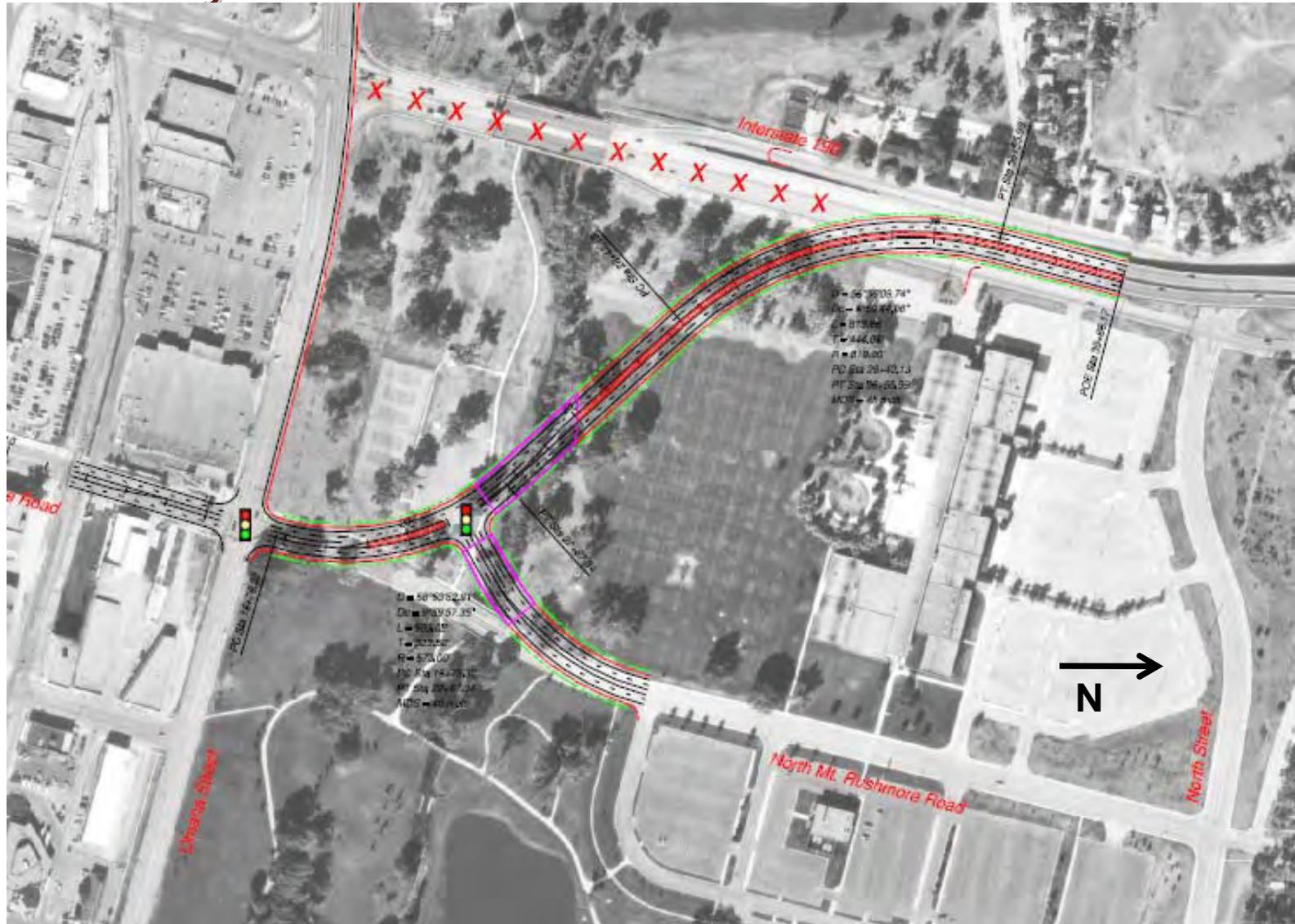
1995 Interchange Concept



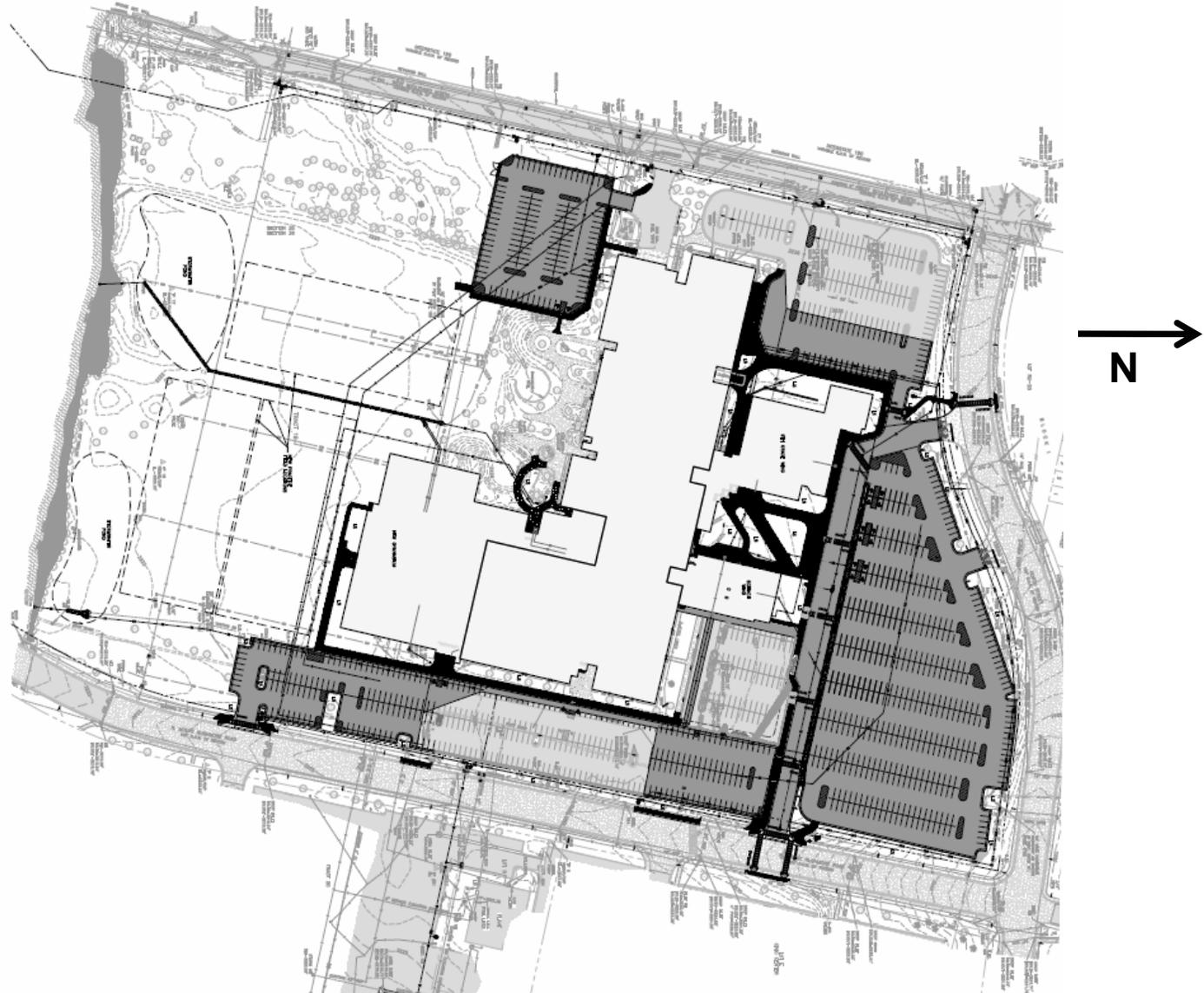
I-190 / Silver Street Single Point Interchange



2000 Concept – Interstate Corridor Study



Central High Development



2010 Concept – Interstate Corridor Study



2010 Concept – Interstate Corridor Study



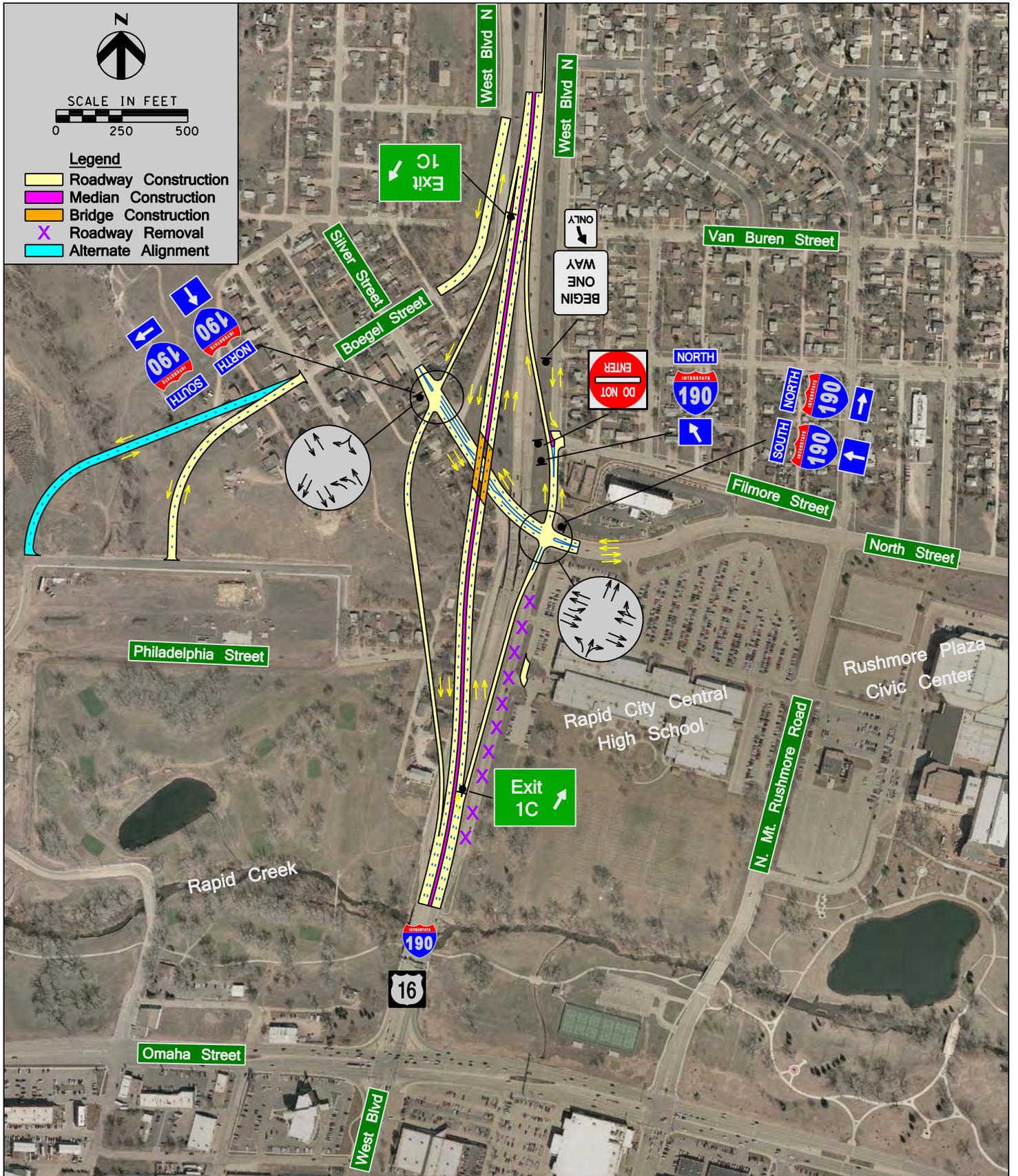
2010 Concept – Interstate Corridor Study





2010 Interchange Concepts

- PDF layouts



Interchange Option 1
 Full Diamond Interchange at Silver Street/North Street
 with I-190 shifted west

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 Rapid City, South Dakota

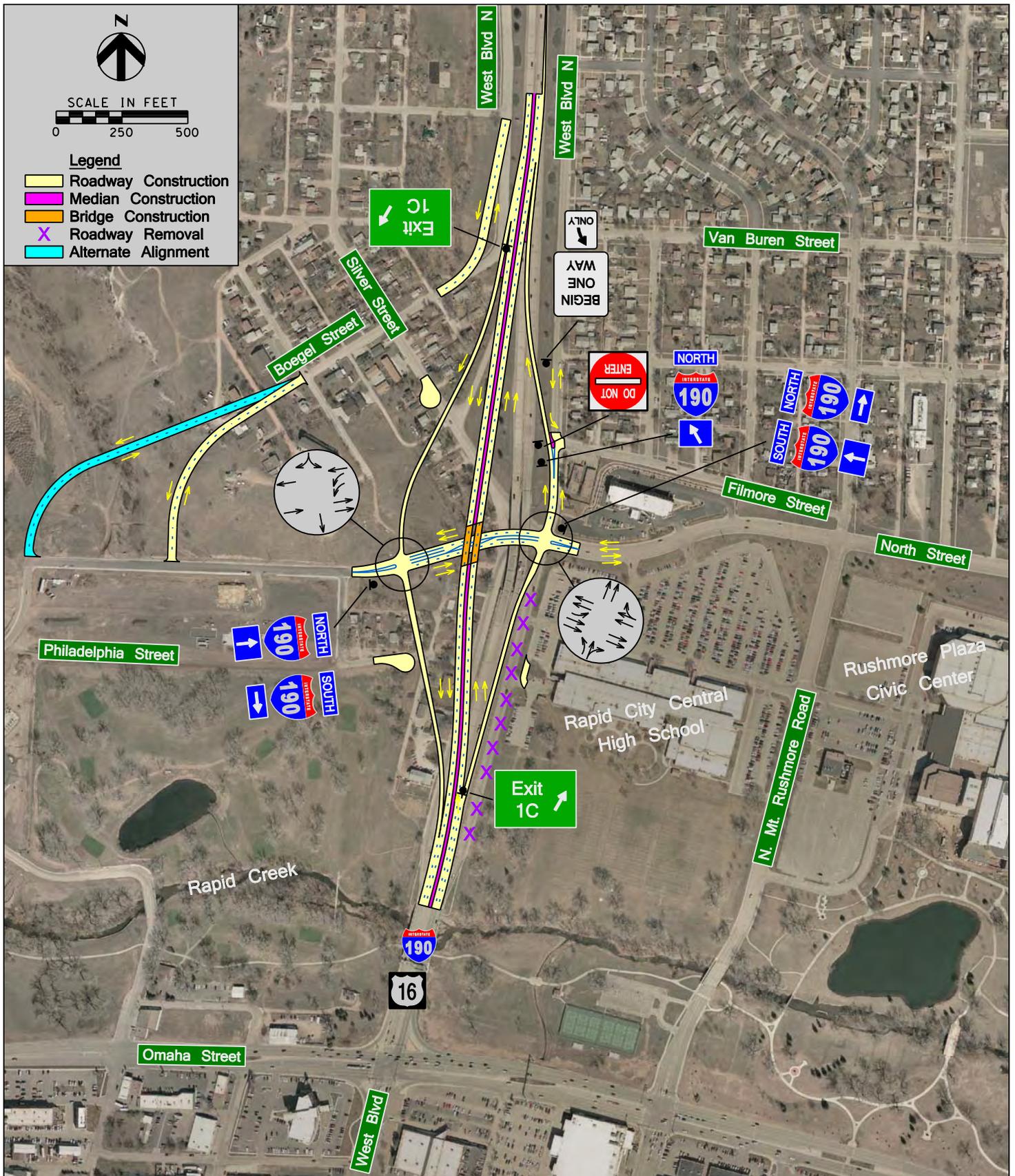


May 27,
2010



Legend

- Roadway Construction
- Median Construction
- Bridge Construction
- Roadway Removal
- Alternate Alignment



Interchange Option 1a

Full Diamond Interchange at North Street with I-190 shifted west

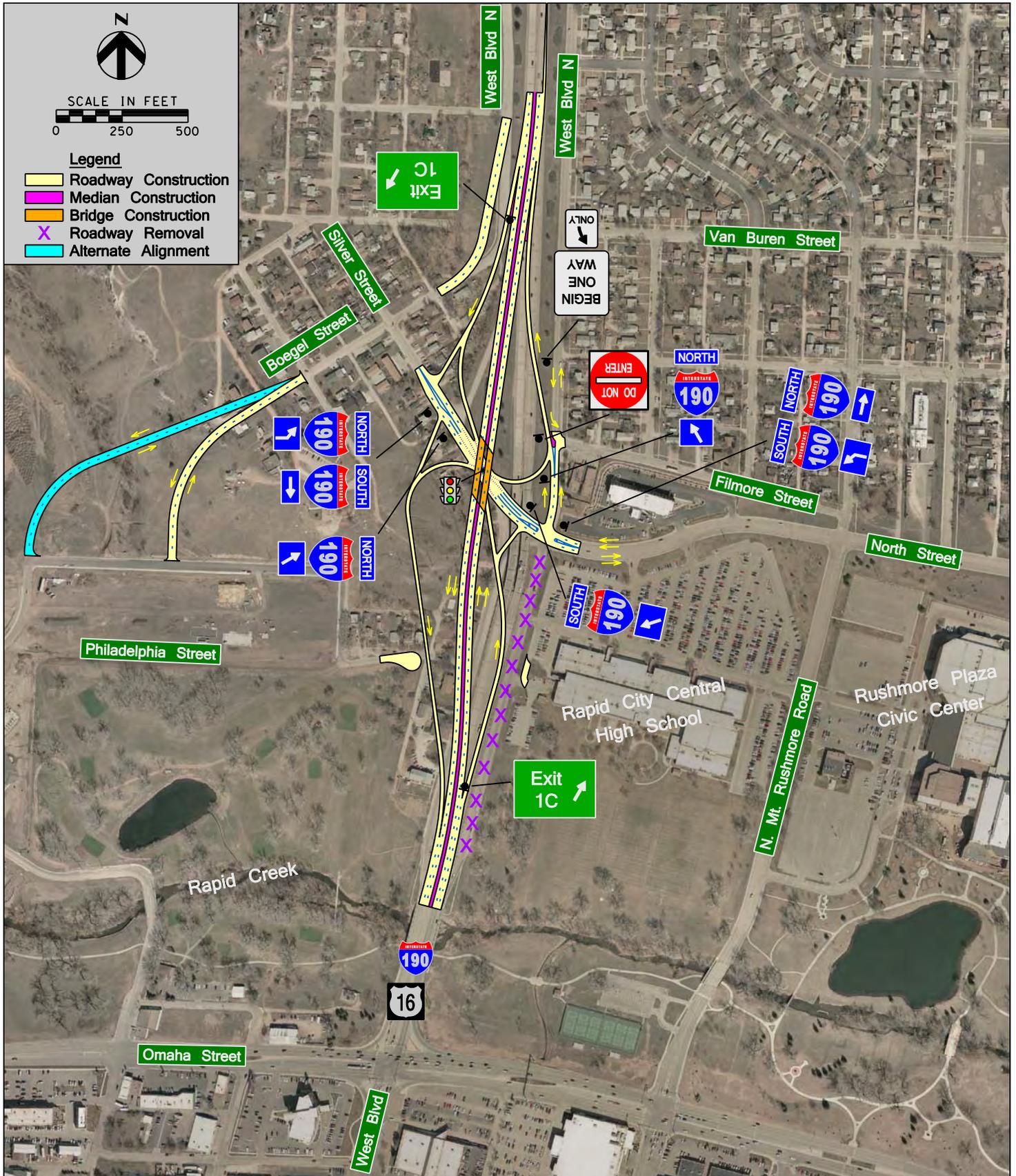
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Legend

- Roadway Construction
- Median Construction
- Bridge Construction
- Roadway Removal
- Alternate Alignment



Interchange Option 2

Single Point Diamond Interchange at Silver Street with I-190 shifted west

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Rapid City, South Dakota

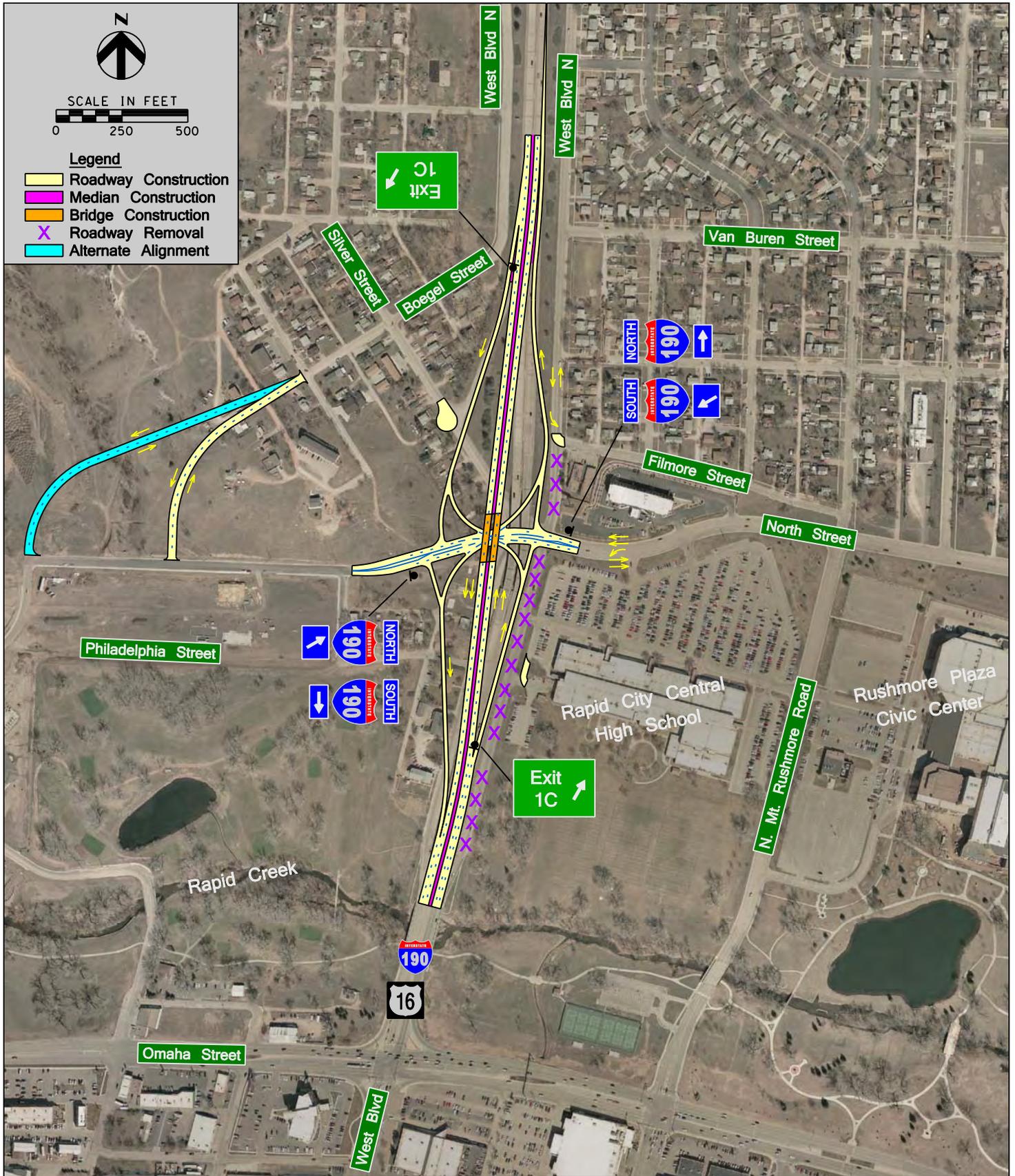


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Legend

- Roadway Construction
- Median Construction
- Bridge Construction
- Roadway Removal
- Alternate Alignment



Interchange Option 2a

Single Point Diamond Interchange at North Street with I-190 shifted west

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Rapid City, South Dakota

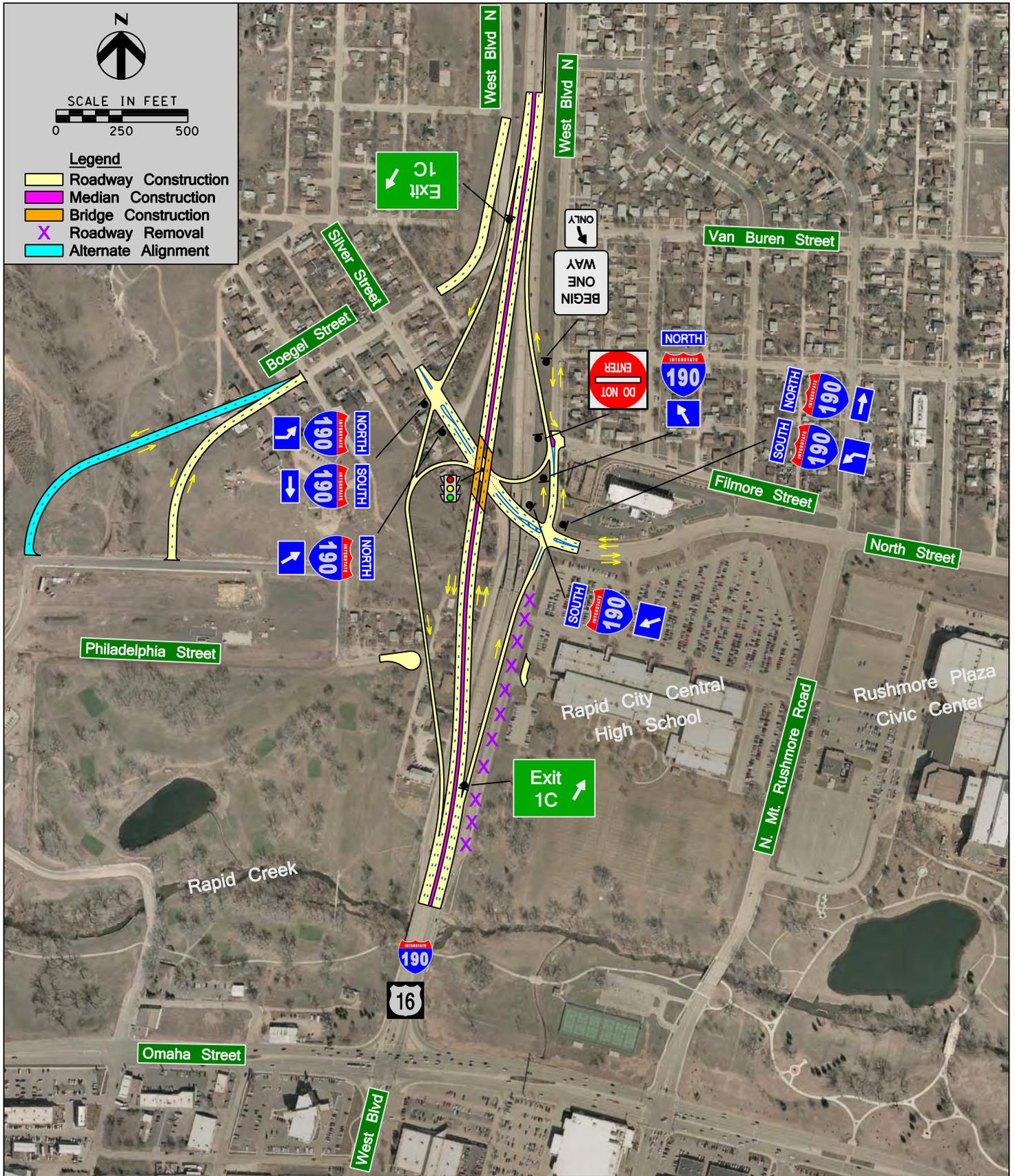


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Legend

- Roadway Construction
- Median Construction
- Bridge Construction
- Roadway Removal
- Alternate Alignment



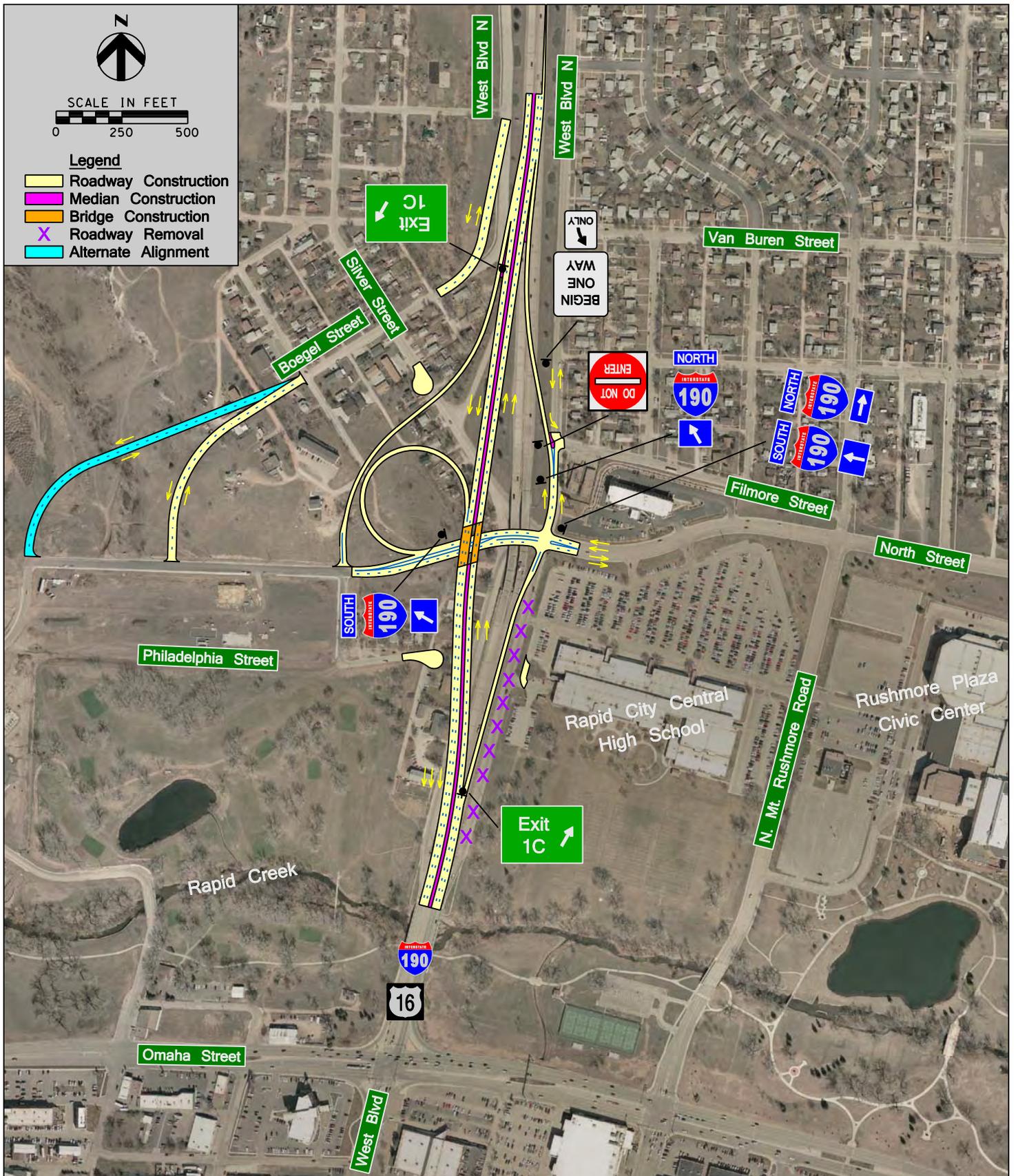
Interchange Option 2 Hybrid

Hybrid Single Point Diamond Interchange at Silver Street with I-190 shifted west

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Interchange Option 3
I-190 Interchange with Loop at North Street

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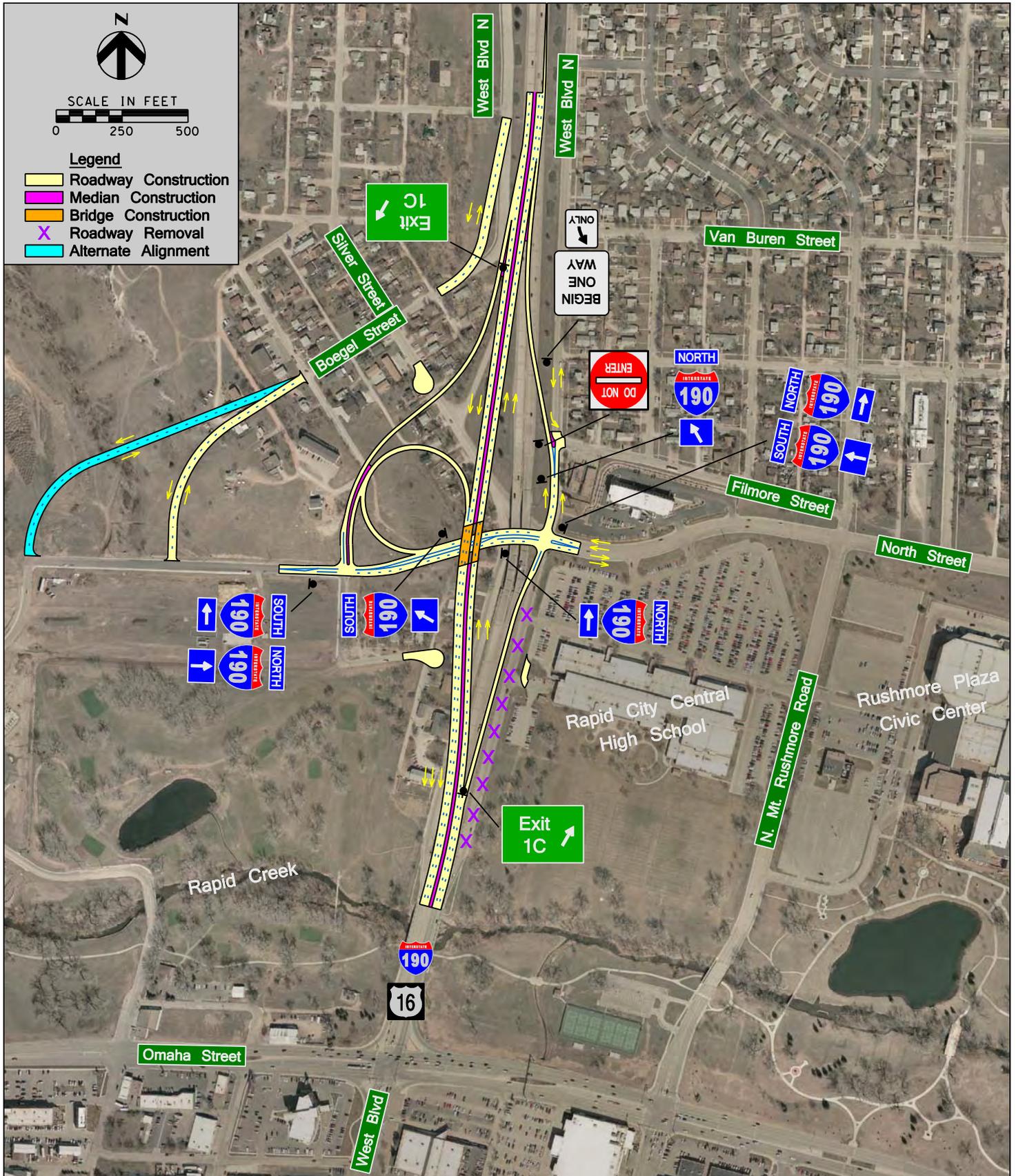
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SCALE IN FEET
0 250 500

Legend

- Roadway Construction
- Median Construction
- Bridge Construction
- Roadway Removal
- Alternate Alignment



Interchange Option 3a

I-190 Interchange with Loop at North Street and EB to SB access

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Rapid City, South Dakota

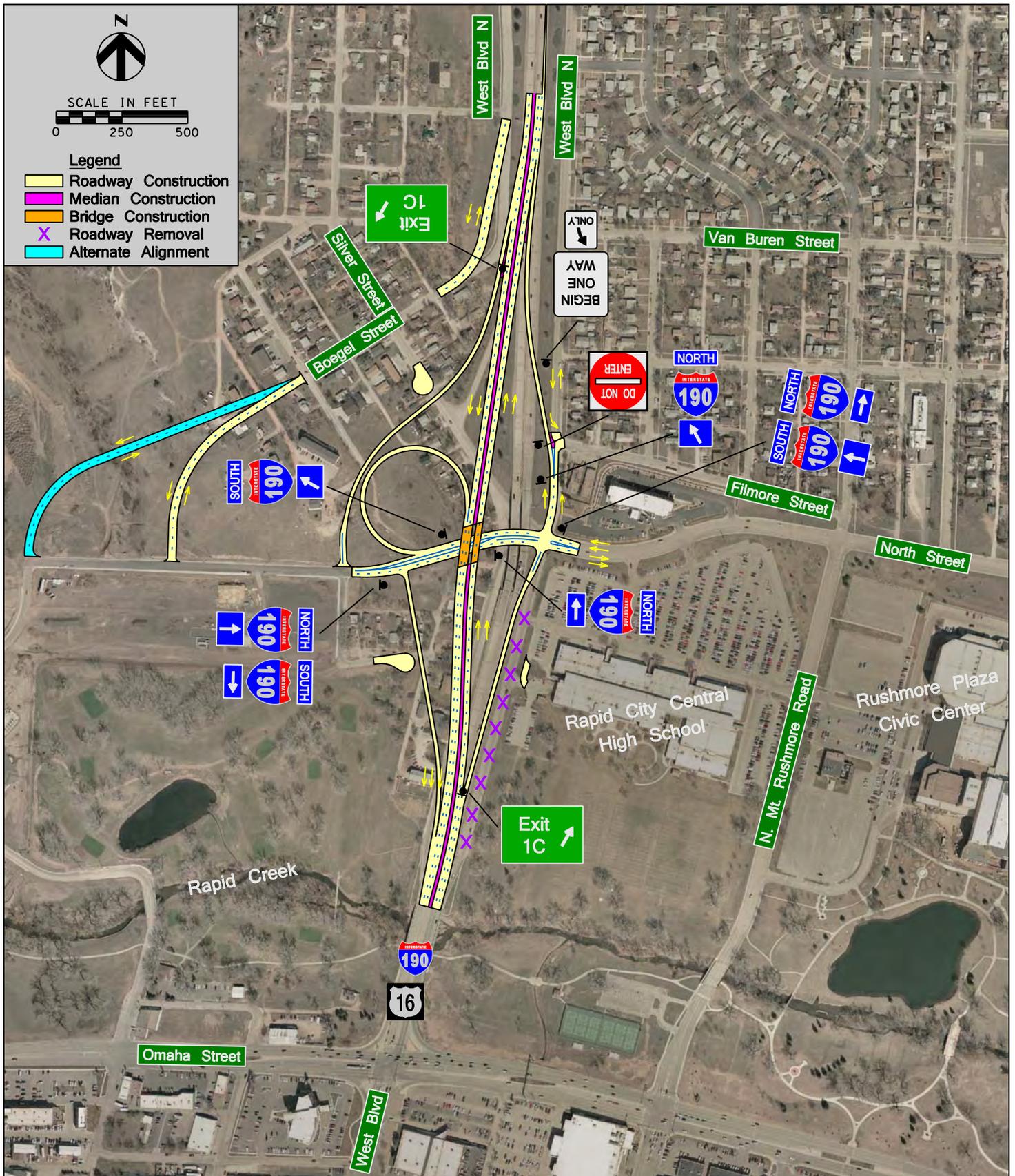
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SCALE IN FEET
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Legend

-  Roadway Construction
-  Median Construction
-  Bridge Construction
-  Roadway Removal
-  Alternate Alignment



Interchange Option 3b

I-190 Interchange with Loop at North Street and EB to SB on-ramp

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2010 Intersection Concepts

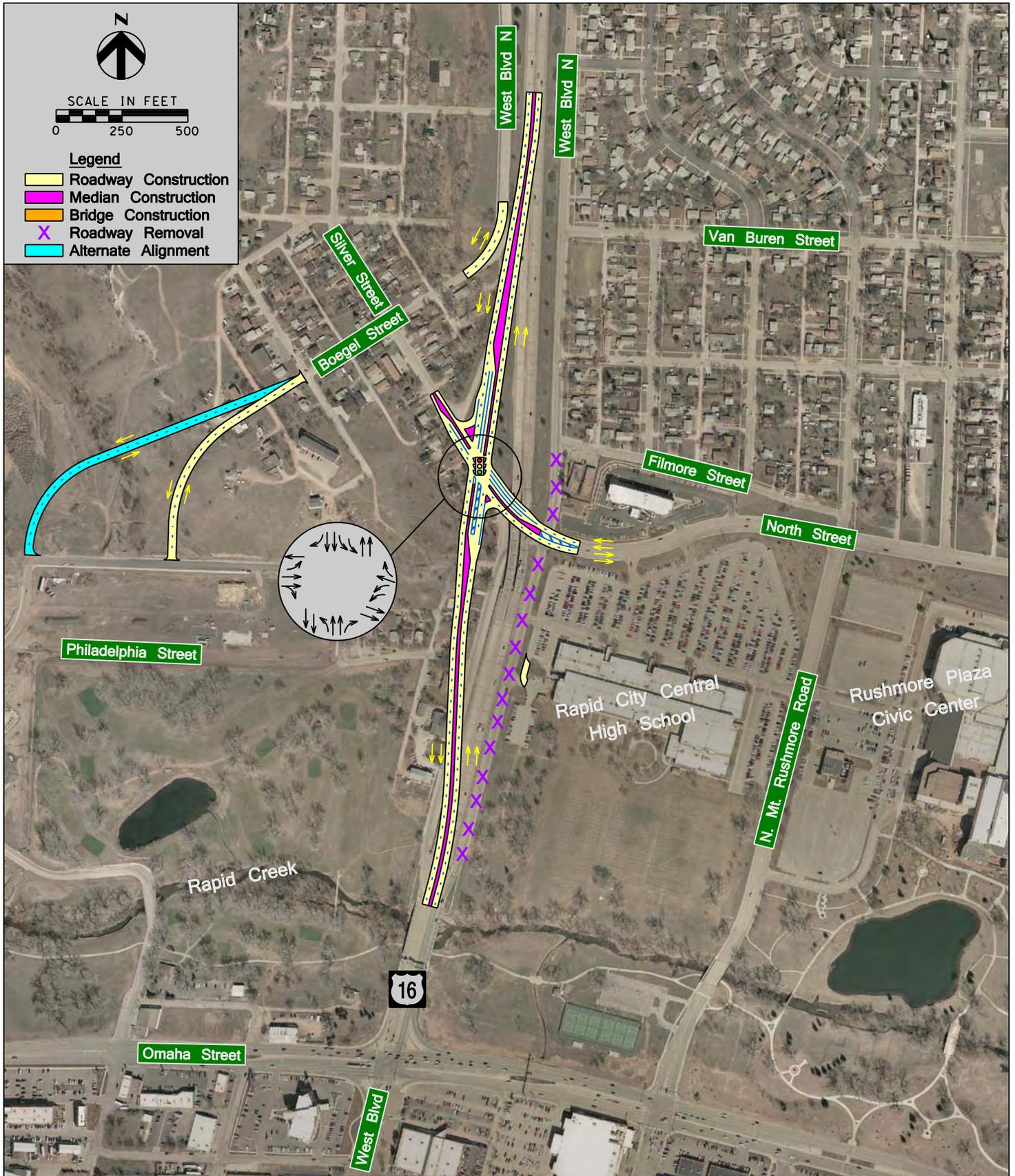
- PDF layouts



SCALE IN FEET
0 250 500

Legend

- Roadway Construction
- Median Construction
- Bridge Construction
- Roadway Removal
- Alternate Alignment



Intersection Option 4

SD190 shifted west with at-grade intersection at Silver Street/North Street

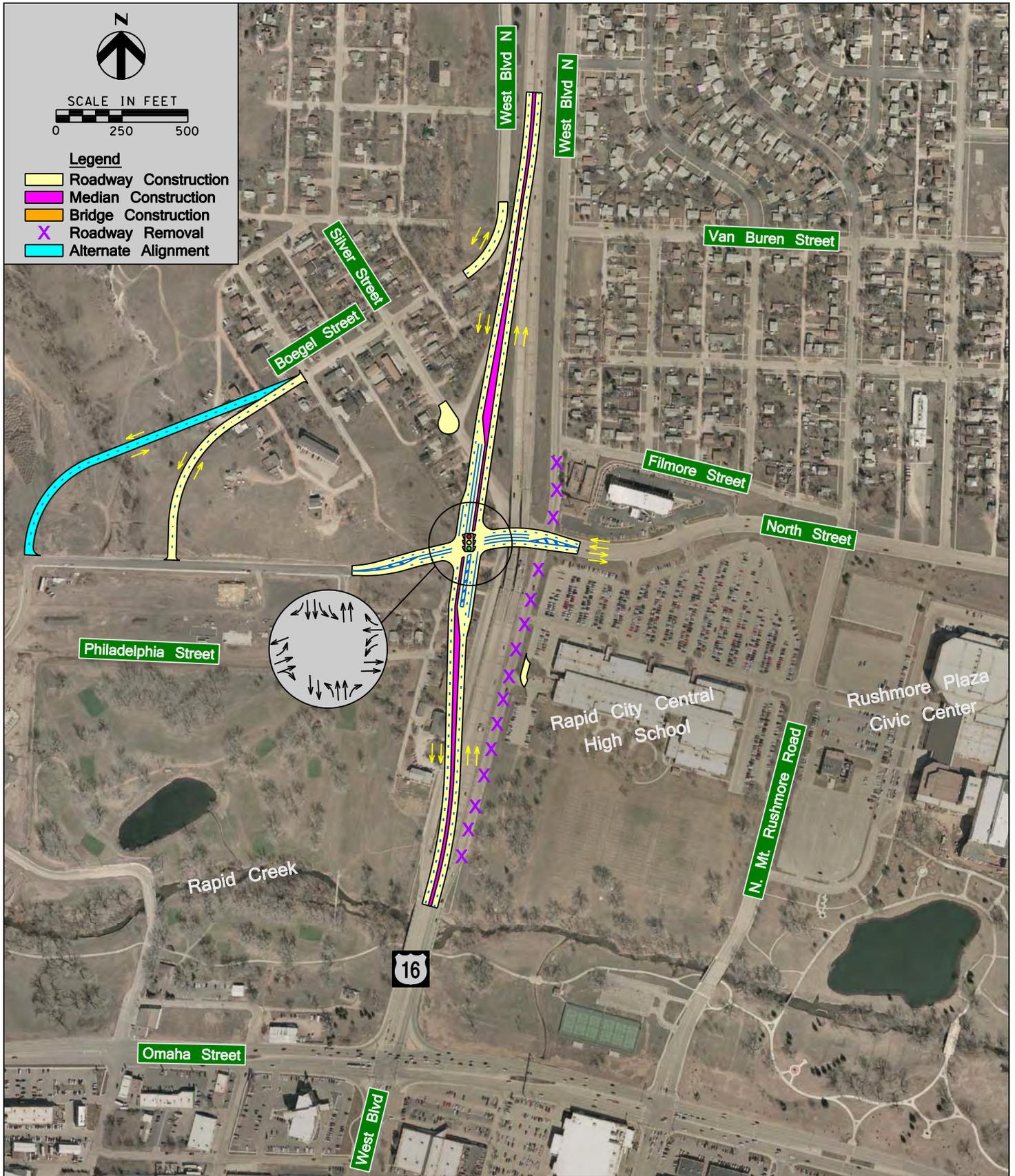
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Legend

- Roadway Construction
- Median Construction
- Bridge Construction
- Roadway Removal
- Alternate Alignment



Intersection Option 4a

SD190 shifted west with at-grade intersection at North Street

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Interstate Redesignation Pro/Con

PRO – REASONS TO REDESIGNATE

- Clarity – clarify existing dead-end interstate route
- Standardization – fix highway that doesn't meet design standards
- Connectivity – allow corridor to have better connectivity, circulation
- Beautification – allow more room for landscaping, amenities
- Safety – allow elimination of life-limited bridges, non-standard design
- Multimodal capacity – allow more bicycle and pedestrian use.
- Cost – elimination of bridge costs
- Environment – less noise, environmental impacts

CON – REASONS NOT TO REDESIGNATE

- Cost – small potential effect on overall Federal reimbursement, switching of fund source
- Recognition – no longer Interstate service to city center
- Delay – some trips may be slightly longer
- Capacity – unused capacity may be needed in future



Possible Evaluation Criteria

- Ability to meet design standards
- Impacts to adjacent properties
- Utility impacts
- Preliminary environmental impacts
- Overall cost and public sector cost
- Traffic operations
- Safety
- Public perception
- Regulatory and funding impacts



Next Tasks

- Receive/document comments
- Technical memos
- Draft report with decision matrix
- SDDOT review and decision
- Phase II



Questions and Feedback

- Talk to staff
- Comment cards
- Email or other electronic means
- http://www.sddot.com/pe/projdev/planning_ss_l190.asp



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