

I-90

EXIT 46 IMJR Open House

This handout contains select displays from the I-90 Exit 46 IMJR Public Meeting held January 20, 2016

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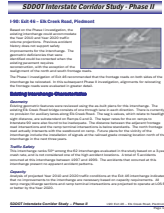
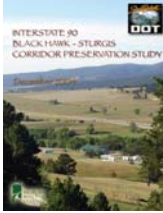
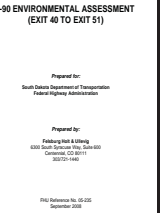

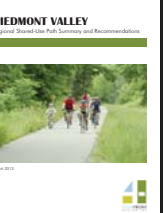



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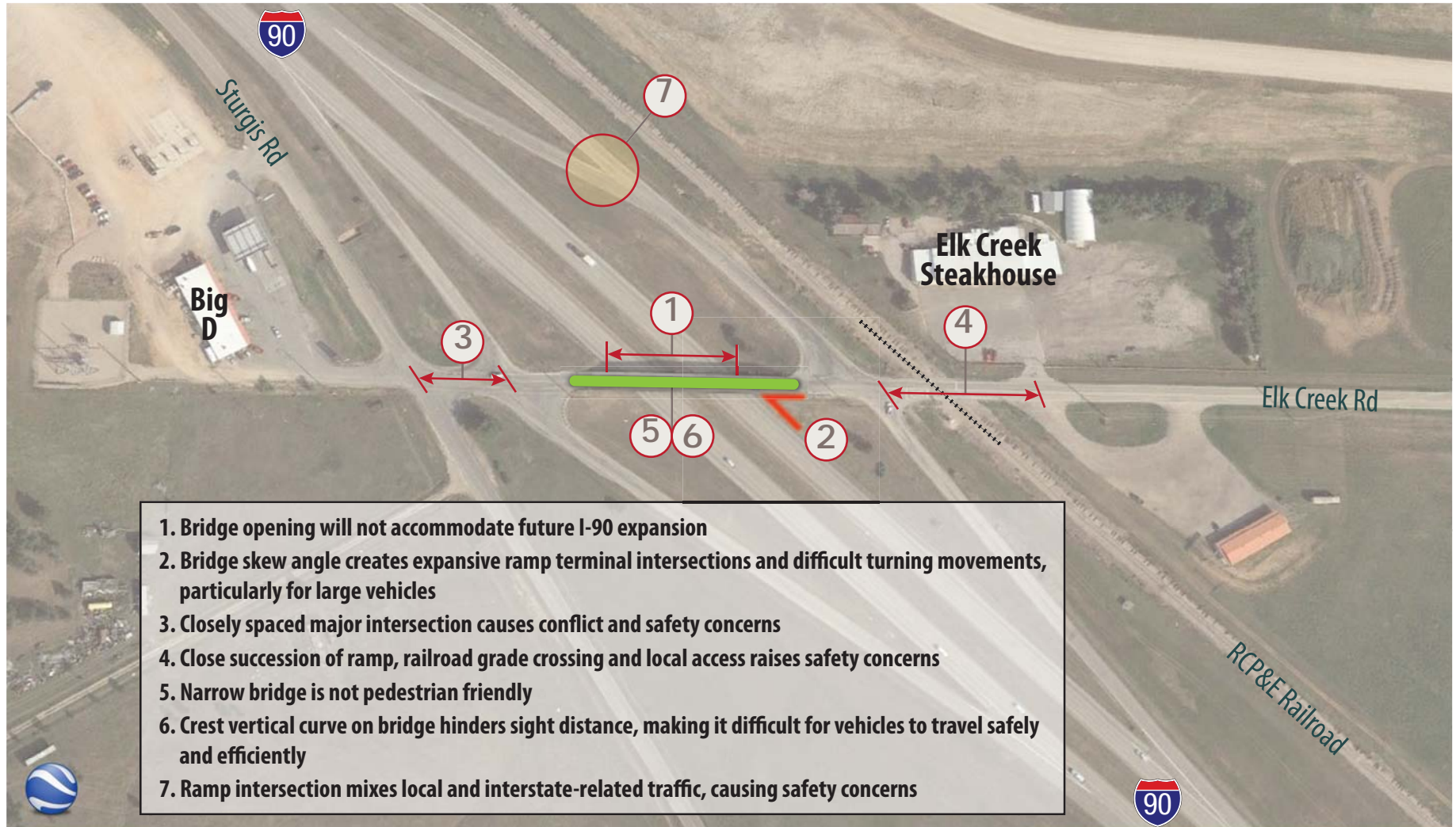


We Are Here

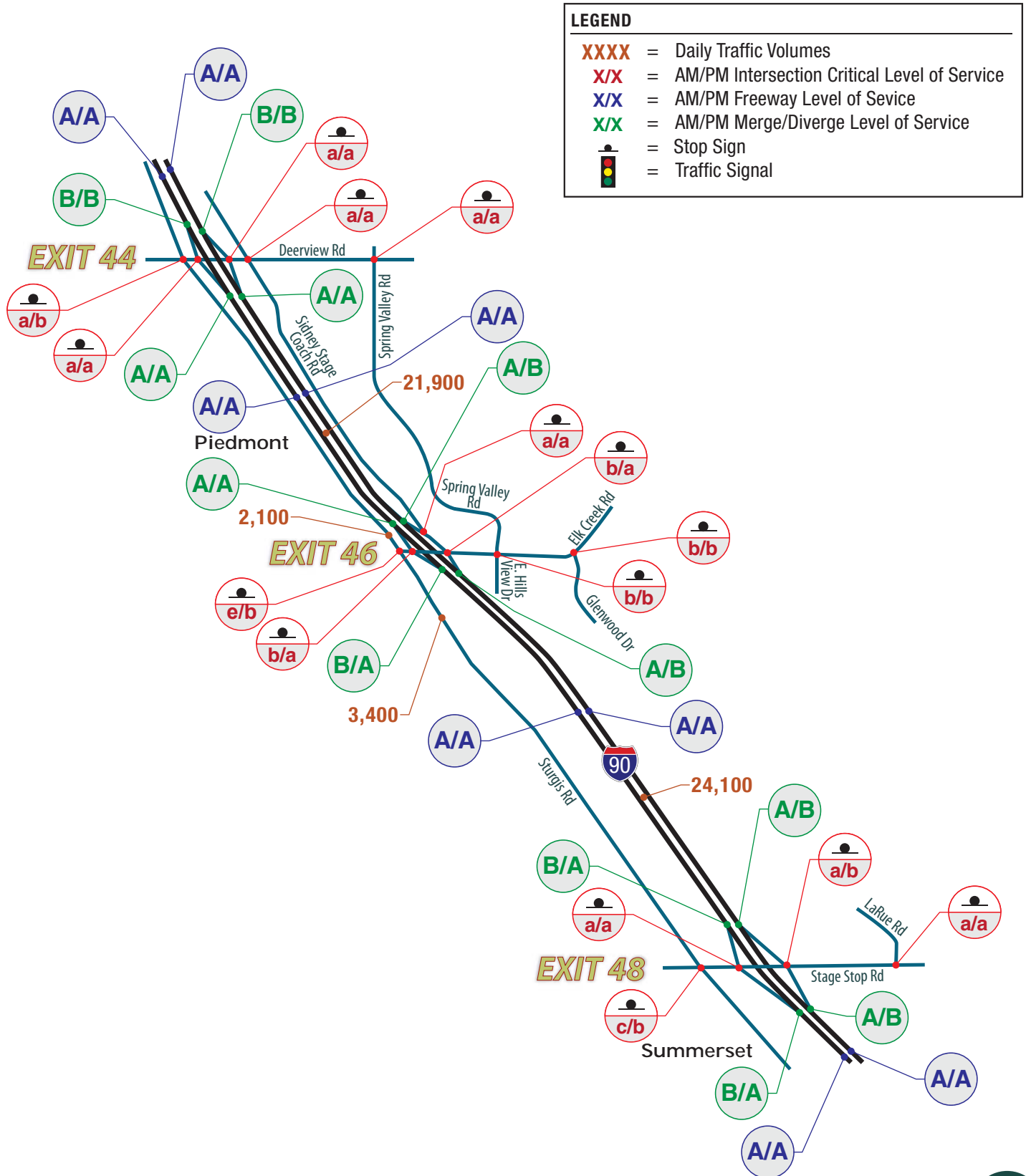


Year	2000	2004	2008	2010	2013	2014	2016	2017 - 2020	2020 - 2025
Document/ Procedural Step	<p>SDDOT Decennial Interstate Corridor Study</p> 	<p>I-90 Black Hawk to Sturgis Corridor Preservation Study</p> 	<p>I-90 Environmental Assessment - Exit 40 to Exit 51</p> 	<p>SDDOT Decennial Interstate Corridor Study</p> 	<p>Piedmont Valley Regional Shared Use Path Summary and Recommendations</p> 	<p>SDDOT Statewide Transportation Planning Process</p>	<p>IMJR and Categorical Exclusion (Environmental Clearance)</p> 	<p>Complete Scoping and Design</p> 	<p>Construction</p> 
Exit 46 Information	<p>Identified concern of close service road spacing, recommended project to realign service roads</p>	<p>Addressed potential for widening of I-90 to six lanes, evaluated Exit 46 interchange reconfiguration alternatives</p>	<p>Selected Preferred Alternative of Realigned Exit 46 Diamond Interchange</p>	<p>Reaffirmed issues of close service road spacing and substandard interchange design</p>	<p>Identified path along Elk Creek Road and crossing of I-90 at Exit 46 as high priorities</p>	<p>SDDOT included Exit 46 reconstruction in the Developmental Program of its statewide planning process</p>	<p>Will provide documentation of preferred alternative needed for Federal approval of Exit 46 project</p>	<p>SDDOT process of defining the reconstruction project and completing final design plans</p>	<p>Construction effort to be overseen by SDDOT</p>
Public Meeting(s)	<p>No meetings</p>	<p>Yes</p>	<p>Yes</p>	<p>No meetings</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Land Owner Meeting</p>	<p>To Be Determined</p>

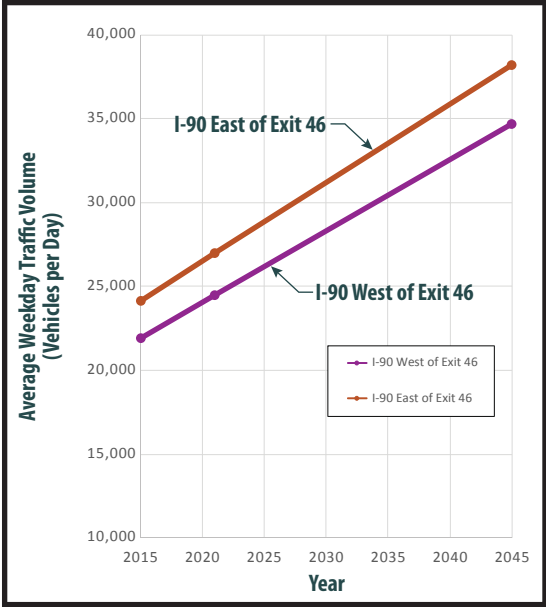
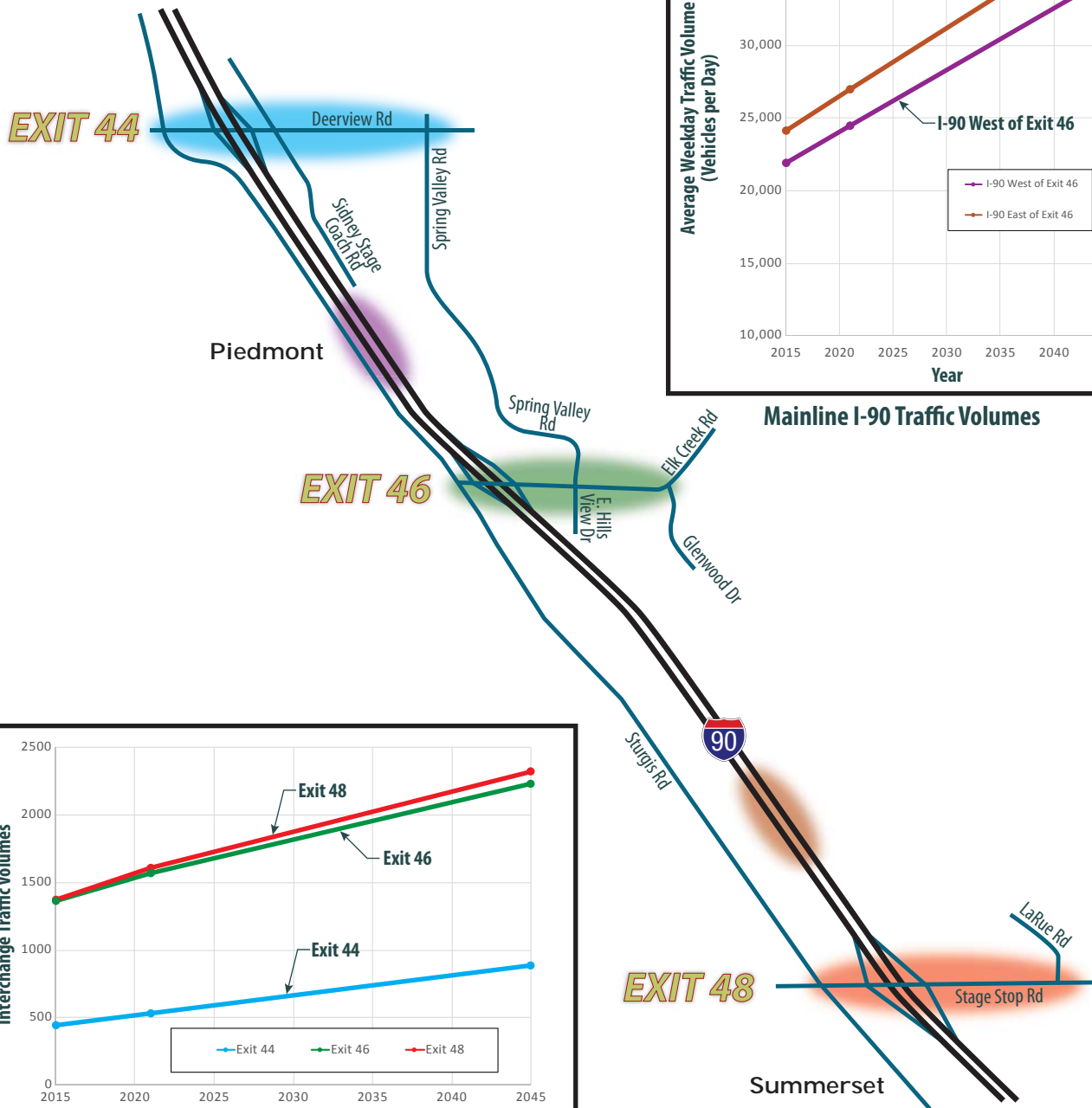
Aerial: Fall 2015



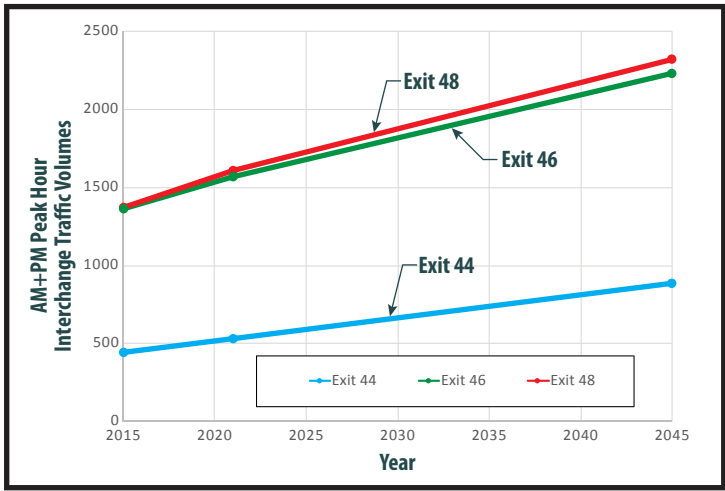
Existing Traffic Volumes and Operations



Future Growth Forecasts - Mainline I-90 and Interchanges



Mainline I-90 Traffic Volumes

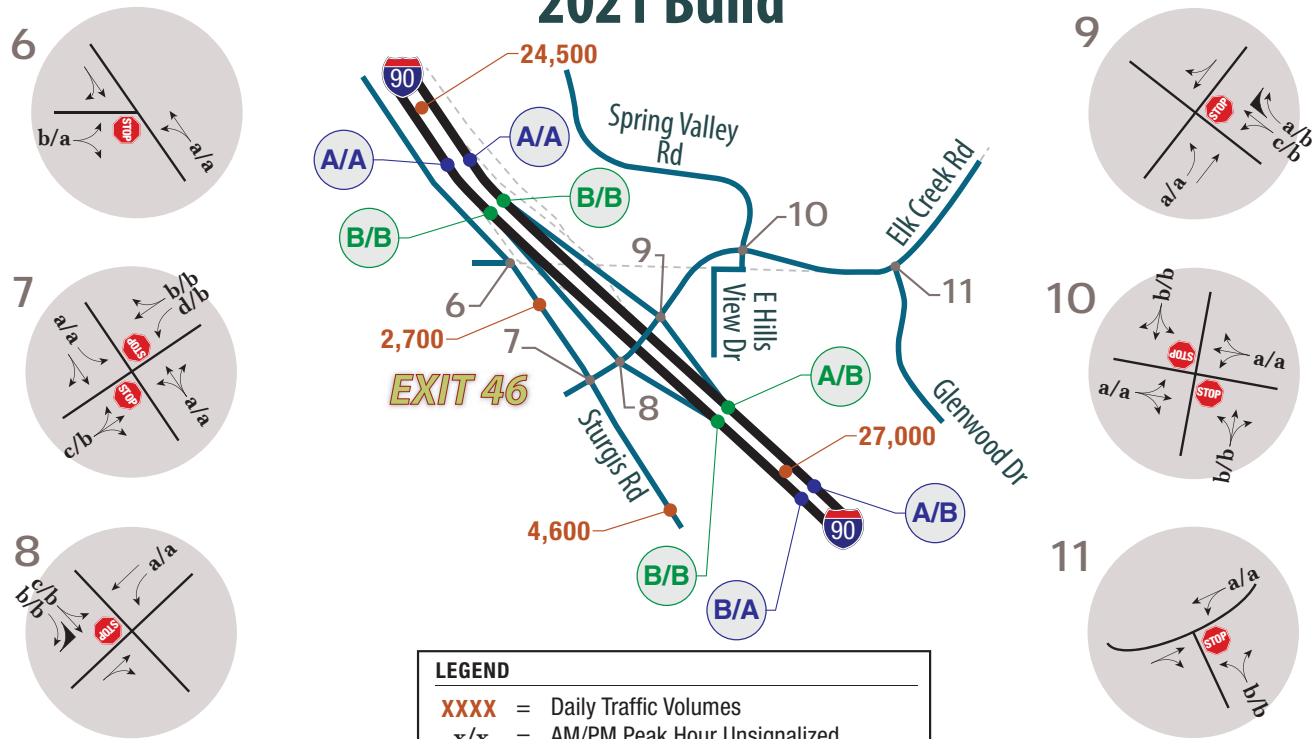


Interchange Area Traffic Volumes



Preferred Alternative 2021 and 2045 Traffic Volumes and Operations

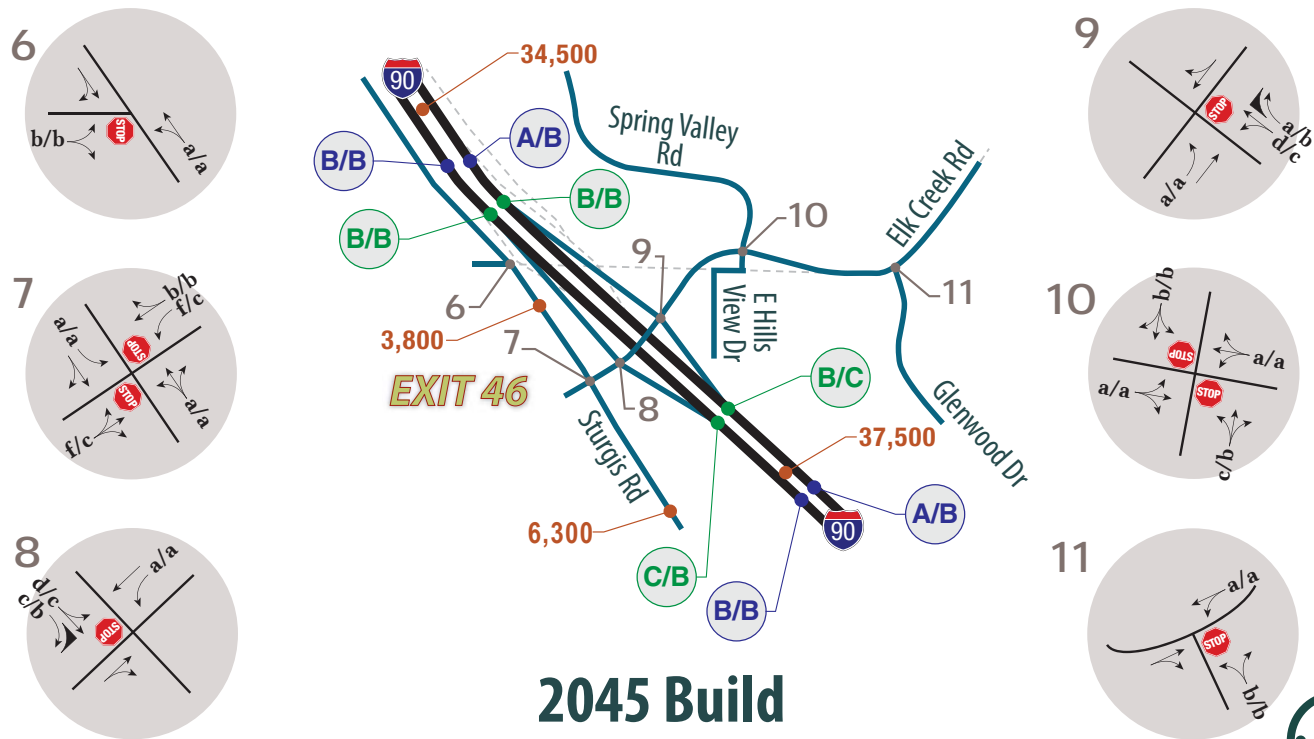
2021 Build



LEGEND

- XXXX = Daily Traffic Volumes
- x/x = AM/PM Peak Hour Unsignalized Intersection Level of Service
- X/X = AM/PM Freeway Level of Service
- X/X = AM/PM Merge/Diverge Level of Service
- STOP = Stop Sign
- = Existing Road Network

2045 Build





NOTE: Drawing Not to Scale

Piedmont Valley Shared Use Path – Elk Creek Road Segment

Completed in 2013, the Piedmont Valley Shared Use Path Summary and Recommendations Study prioritized construction of a 10-foot wide path along Elk Creek Road, crossing I-90 in the vicinity of Exit 46. Integrating this path into the reconstructed interchange can help to fulfill this priority by providing a grade separated path parallel to Elk Creek Road across both the railroad tracks and I-90. **The following two routing options are under consideration:**

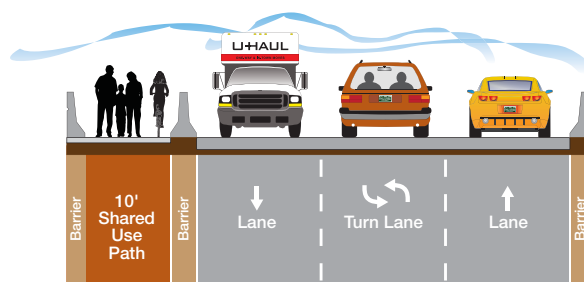
Option A: South Side of Elk Creek Road



Option B: North Side of Elk Creek Road



Cross-Sectional View (looking west across Exit 46 bridge)



Cross-Sectional View (looking west across Exit 46 bridge)

