



CHAPTER 3

Impacts, Mitigation Measures, and Permit Requirements

3.1 SUMMARY OF IMPACTS AND MITIGATION

Impacts and mitigation measures for the Build Alternative are detailed in Chapter 3 of the EA. The majority of impacts associated with the Build Alternative will be beneficial. Traffic congestion will be reduced and general safety will improve for local and regional travelers, access to and from the numerous businesses along Wadsworth will be safer to navigate, and the safety and convenience of travel for pedestrians and bicyclists will be greatly improved.

Improving drainage channels within the study area will reduce flooding hazards, enhance riparian habitat and wildlife migration, and provide an opportunity for wetlands to establish naturally. Water quality will be improved because stormwater runoff will be treated to reduce sediment before being discharged into the South Platte River basin.

Noise walls included in the Build Alternative will decrease noise levels at residences near US 6. Improved capacity on the major roadway network and reconfiguration of the frontage roads surrounding the interchange will reduce neighborhood cut-through traffic, improve business and neighborhood access, and improve air quality around intersections.

Other impacts associated with the Build Alternative include ROW needs, which require the acquisition of property and displacement of businesses and residences. Four historic properties will be acquired and demolished, and three jurisdictional wetland areas totaling 0.02 acre in gulches will be lost.

Detailed mitigation commitments are included as Appendix B to the FONSI. These mitigation commitments were detailed in Appendix B to the EA

and have been updated to include clarifications and additional commitments resulting from the review of public and agency comments received on the EA.

3.2 PERMIT REQUIREMENTS

The permits, approvals, and certifications described in Exhibit 3-1 will be required for implementation of the Build Alternative. Additional permits could be identified during final design and required during construction.

Detailed mitigation commitments, including the schedules for obtaining the permits listed in Exhibit 3-1, are included as Appendix B.

EXHIBIT 3-1: PERMIT REQUIREMENTS FOR THE BUILD ALTERNATIVE

Permit	Applicability	Permitting Agency
Federal		
Clean Water Act Section 404 Permit – Nationwide Permit 14 and/or 27	Required for impacts to wetlands and waters of the United States. The U.S. Army Corps of Engineers has confirmed informally that a Nationwide Permit would be applicable.	U.S. Army Corps of Engineers
Incidental Take Permit ¹	Required when active nests of migratory birds covered by the Migratory Bird Treaty Act are disturbed. ¹	U.S. Fish and Wildlife Service
State		
Colorado Discharge Permit System (CDPS) Stormwater Construction Permit (SCP)	The CDPS program issues, monitors, and enforces permits for direct discharge of pollutants to the nation's waters. Construction stormwater discharge permits are required to assure the quality of stormwater runoff for projects where more than 1 acre of land is disturbed by construction.	Colorado Department of Public Health and Environment, Water Quality Control Division
CDPS Construction Dewatering Permit	Required for dewatering of construction areas, if necessary. The Contractor shall obtain the appropriate CDPS general permit for management of groundwater from CDPHE Water Quality Control Division.	Colorado Department of Public Health and Environment, Water Quality Control Division
Air Pollution Emission Notice (APEN)	Required for projects where more than 25 acres of land are impacted and/or the project duration is longer than 6 months.	Colorado Department of Public Health and Environment, Air Pollution Control Division
Demolition Permit	Required for the abatement of friable asbestos in an area of public access. Applies to the removal of all structures, including buildings and bridges.	Colorado Department of Public Health and Environment, Air Pollution Control Division
Form 137 Access Permit	Required for construction, relocation, modification, or closure of access(es) to a State Highway. Modifications to access points along Wadsworth Boulevard will require a Form 137 Access Permit application. During final design, access points will be identified in a formal access control plan prepared by CDOT. All access points would be constructed in accordance with Lakewood and Americans with Disabilities Act (ADA) standards.	Colorado Department of Transportation
Colorado Senate Bill 40 Certification	Required for construction activities within riparian corridors.	Colorado Division of Wildlife
Local		
Floodplain Development Permit	Required for projects where construction is located in a mapped 100-year floodplain.	Lakewood Floodplain Administrator
Other Local Permits or Approvals	May be required for utility relocates, land survey, local roadway access, retaining walls, and grading.	Lakewood Department of Public Works

¹Permit is not anticipated but surveys during non-nesting periods will be conducted to remove inactive nests before construction begins. The project area will be monitored to discourage nesting.