



CENTRAL PARK BOULEVARD
INTERCHANGE

I-70 / CENTRAL PARK BOULEVARD INTERCHANGE

ENVIRONMENTAL ASSESSMENT



DENVER
THE MILE HIGH CITY



U.S. Department of Transportation
Federal Highway Administration



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I-70/CENTRAL PARK BOULEVARD INTERCHANGE
DENVER, COLORADO

ENVIRONMENTAL ASSESSMENT

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by the
Colorado Department of Transportation

and the
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Federal Highway Administration


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DENVER, COLORADO

ENVIRONMENTAL ASSESSMENT

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APPENDICES

The Appendices contain data and information to support the assumptions and findings in this Environmental Assessment (EA). The Appendices are located on a compact disc on the back cover of this EA document.

Appendix A: I-70/Central Park Boulevard Interchange Plan Set

Appendix B: Agency Coordination

Appendix C: Right-of-Way Information

- Right-of-Way Information, Colorado Department of Transportation, State of Colorado
- Your Rights and Benefits as a Highway Relocatee, Relocation Assistance Program, Colorado Department of Transportation, State of Colorado

Appendix D: Technical Reports

- I-70/Central Park Boulevard Interchange Environmental Assessment, **Air Quality Technical Report**, March 2009
- I-70/Central Park Boulevard Interchange Environmental Assessment, **Cultural Resources Report**, May 2009
- I-70/Central Park Boulevard Interchange Environmental Assessment, **Modified Phase I Environmental Site Assessment**, March 2009
- I-70/Central Park Boulevard Interchange Environmental Assessment, **Noise Impact Assessment**, January 2009
- I-70/Central Park Boulevard Interchange, **System Level Feasibility Study**, May 2009
- I-70/Central Park Boulevard Interchange Environmental Assessment, **Wetland Findings Report**, April 2009
- I-70/Central Park Boulevard Interchange Environmental Assessment, **Utilities Report**, February 2009

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ACRONYMS AND ABBREVIATIONS

ACBMs	asbestos containing building materials
ADT	Average Daily Traffic
APCD	Air Pollution Control Division
APE	Area of Potential Effect
BDSC	Better Denver Sustainability Committee
BFE	base flood elevation
BLNC	Bluff Lake Nature Center
BMPs	Best Management Practices
BTPD	black-tailed prairie dogs
CAA	Federal Clean Air Act of 1970
CCD	City and County of Denver
CDA	Colorado Department of Agriculture
CDOT	Colorado Department of Transportation
CDOW	Colorado Division of Wildlife
CDPHE	Colorado Department of Public Health and Environment
CDPS	Colorado Discharge Permit System
CDRMS	Colorado Division of Reclamation Mining and Safety
CDWR	Colorado Division of Water Resources
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
cfs	cubic foot per second
CGSWG	Colorado Grassland Species Working Group
CLOMR	Conditional Letter of Map Revision
CNHP	Colorado Natural Heritage Program
CO PE	Colorado Professional Engineer
CO	carbon monoxide
CPB	Central Park Boulevard
cpmpy	crashes per mile per year
CRS	Colorado Revised Statute
CWA	Clean Water Act
CWCB	Colorado Water Conservation Board
DBMP	Denver Bicycle Master Plan
DCE	1,1-dichloroethene
DEIS	Draft Environmental Impact Statement
DMS	Dynamic Message Sign

DIA	Denver International Airport
DRCOG	Denver Regional Council of Governments
DUS	Denver Union Station
EA	Environmental Assessment
EB	eastbound
EIS	Environmental Impact Statement
EO	Executive Order
EPA	Environmental Protection Agency
FAT	fatal
FE	Federally Endangered
FEMA	Federal Emergency Management Agency
FHAD	Flood Hazard Area Delineation
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Map
FIS	Flood Insurance Study
FT	Federally Threatened
FTA	Federal Transit Administration
GDP	General Development Plan
GIS	Geographic Information System
GHGs	greenhouse gases
HCM	Highway Capacity Manual
I-270	Interstate 270
I-70	Interstate 70
IFDA	Individual Facilities Development Agreement
INJ	injury
LOMR	letter of map revision
LOS	level-of-service
LOSS	Level of Service of Safety
LWCF	Land and Water Conservation Funds
MBTA	Migratory Bird Treaty Act
MEP	maximum extent practicable
MESA	Modified Phase I Environmental Site Assessment
MOA	Memorandum of Agreement
MOE	measure of effectiveness
mph	miles per hour
MPOs	Metropolitan Planning Organizations
MS4	Municipal Separate Storm Sewer System
MSATs	mobile source air toxics
MUTCD	Manual on Uniform Traffic Control Devices

MVRTP	2035 Metro Vision Regional Transportation Plan
N/A	not applicable
NAAQS	national ambient air quality standards
NAD	No Action Determination
NEPA	National Environmental Policy Act
NFA	No Further Action
NO ₂	nitrogen dioxide
Northfield	Shops at Northfield Stapleton
NO _x	nitrogen oxides
NPDES	National Pollution Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
o/i ratio	output to input volume ratio
O ₃	ozone
OPS	Colorado Department of Labor and Employment, Division of Oil and Public Safety
pc/mi/ln	passenger cars per mile per lane
PCMD	Park Creek Metropolitan District
PDO	property damage only
PEM/PSS	palustrine emergent/palustrine scrub/shrub
PHD	Person-hours of delay
PM ₁₀	particulate matter 10 micrometers in diameter and smaller
PM _{2.5}	particulate matter 2.5 micrometers in diameter and smaller
RAQC	Regional Air Quality Council
REC	Recognized Environmental Condition
RMANWR	Rocky Mountain Arsenal National Wildlife Refuge
ROW	right-of-way
RTD	Regional Transportation District
RTP	regional transportation plan
SC	State Species of Concern
SCRG	Sand Creek Regional Greenway
SE	State Endangered
SH	State Highway
SHPO	State Historic Preservation Office
SIA	Stapleton International Airport
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SPF	safety performance function
SPUI	single point urban interchange

STIP	Statewide Transportation Improvement Program
STP	Statewide Transportation Plan
SUN	Stapleton United Neighbors
SWMP	Stormwater Management Plan
TAZs	Traffic Analysis Zones
TDM	Transportation Demand Management
TEA-21	Transportation Equity Act for the 21st Century
TIP	Transportation Improvement Program
TSM	Transportation System Management
U.S.	United States
UDFCD	Urban Drainage & Flood Control District
ULSD	ultra-low sulfur diesel
URS	URS Corporation
US	United States
USACE	U.S. Army Corps of Engineers
USC	United States Code
USDA	United States Department of Agriculture
USDOT	U.S. Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
v/c	volume to capacity
VOCs	volatile organic compounds
VMT	vehicle miles traveled
vpd	vehicles per day
vph	vehicles per hour
vpmpl	vehicles per mile per lane
WB	westbound
WQCC	Water Quality Control Commission
WQCD	Water Quality Control Division
WQCV	Water Quality Capture Volume