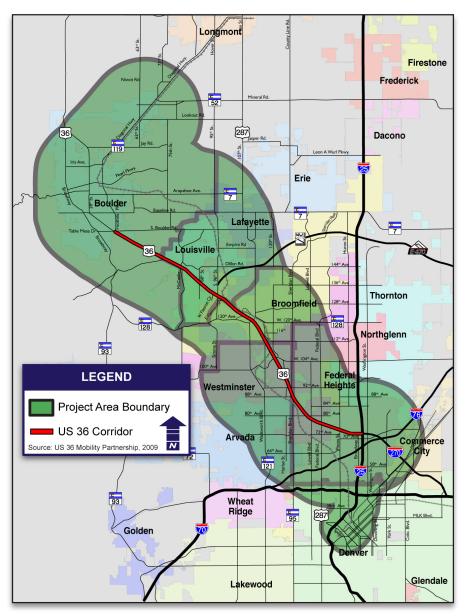


WELCOME

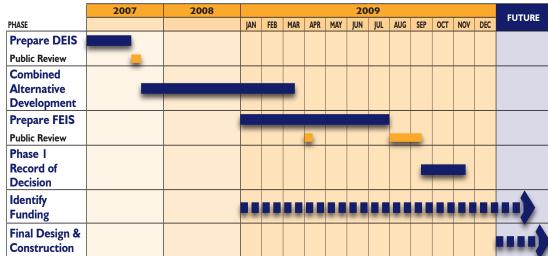


US 36 ENVIRONMENTAL IMPACT STATEMENT



- Since 2003, the Colorado Department of Transportation (CDOT) and the Regional Transportation District (RTD), in conjunction with the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA), have been studying transportation improvements between Denver and Boulder in the U.S. 36 Environmental Impact Statement (EIS) study.
- ► The purpose of the US 36 project is to improve mobility along the US 36 corridor from I-25 in Adams County to Foothills Parkway/Table Mesa Drive in Boulder, and among intermediate destinations.

US 36 EIS Schedule



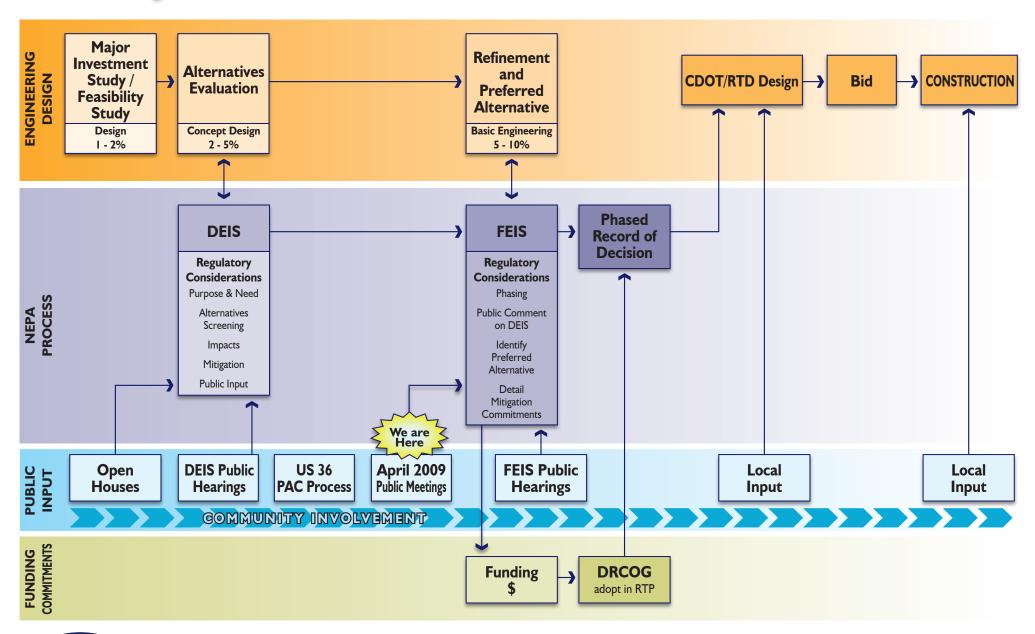


US 36 EIS SCHEDULE

	2007	2008						20	09						ELITLIDE
PHASE			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	FUTURE
Prepare DEIS															
Public Review															
Combined Alternative Development															
Prepare FEIS															
Public Review						_									
Phase I Record of Decision															
Identify Funding								ш	ш	П	ш		ш	П	
Final Design & Construction															ш



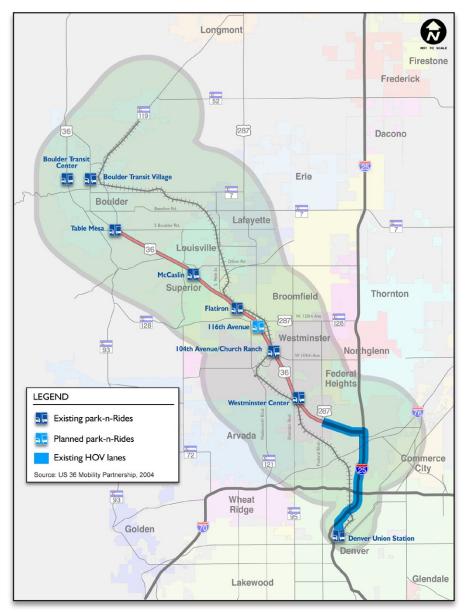
PROJECT DEVELOPMENT FLOWCHART

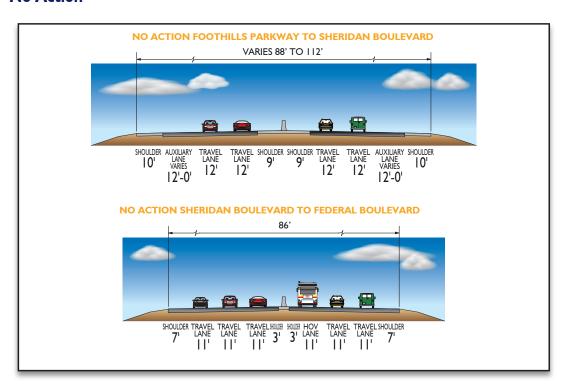




PACKAGE

No Action



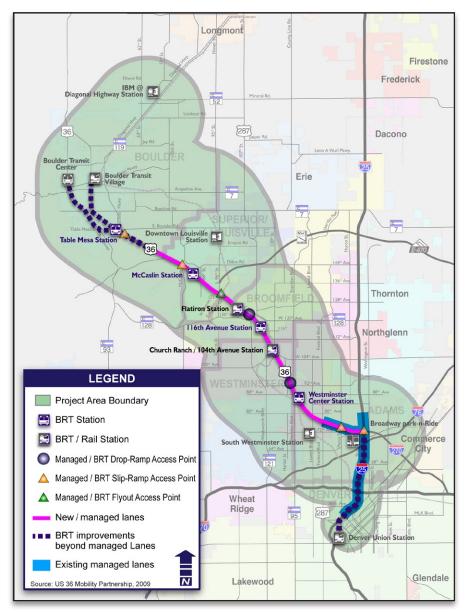


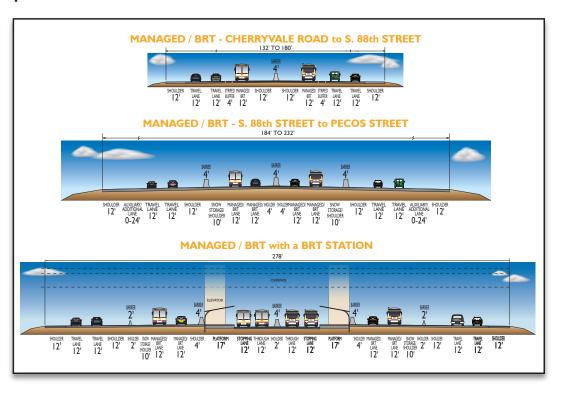
- No improvements beyond those already under way or funded for future construction
- Includes minor bus system improvements but no additional highway capacity
- Used as the basis for evaluation of build alternatives



PACKAGE 2

Managed Lanes, Bus Rapid Transit (BRT), and Bikeway





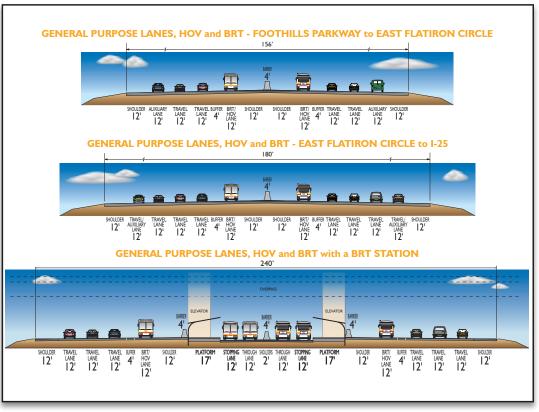
- Two new managed lanes in each direction in median of US 36 from I-25 to west of McCaslin interchange
- Barrier-separated managed lanes can be used by buses and HOVs for free, and SOVs for a fee
- In-line BRT stations in median of US 36 to provide rapid passenger boarding
- No additional general purpose lanes
- ▶ Transportation demand management
- Bikeway between Westminster and Boulder



PACKAGE 4

General Purpose Lanes, Bus Rapid Transit (BRT), HOV Lanes, and Bikeway





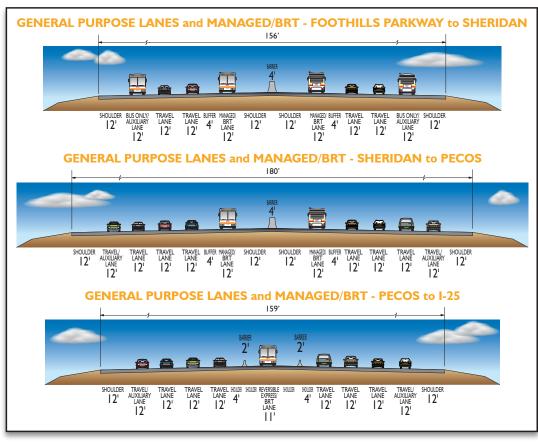
- Additional general purpose lanes from I-25 to Boulder; number of lanes varies according to demand
- ▶ Buffer-separated BRT/HOV lanes in median of US 36 from I-25 to Boulder
- In-line BRT stations in median of US 36 to provide rapid passenger boarding
- Carpools and vanpools allowed in BRT/HOV lanes; no single-occupant vehicles allowed
- ► Transportation demand management
- Bikeway between Westminster and Boulder



COMBINED ALTERNATIVE

Managed Lanes, Auxiliary Lanes, Bus Rapid Transit (BRT), and Bikeway

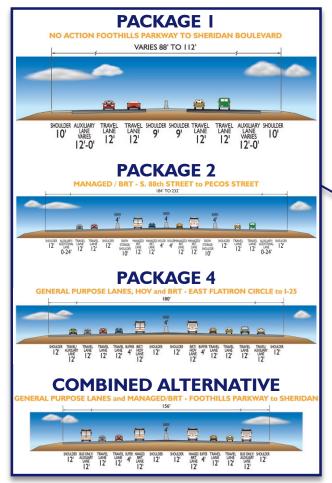


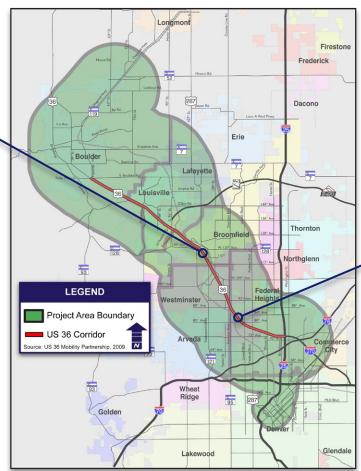


- One new buffer-separated, managed lane in each direction
- Managed lanes can be used by buses and HOVs for free, and SOVs for a fee
- Auxiliary lanes between most interchanges
- Improvements to all interchanges
- Ramp and side-loading BRT stations
- Transportation demand management
- Bikeway between Westminster and Boulder
- Phase I priority is to implement managed lane



PACKAGE COMPARISON









BUS RAPID TRANSIT (BRT)

PHASE I

- Regional bus service enhancements
- FastConnects and local bus service enhancements
- Ticket vending machines at BRT stations
- Fare box upgrades (systemwide)
- Fiber along US 36 and to the BRT stations
- Travel Demand Management, including marketing and branding for BRT
- Safety measures at BRT stations (e.g., cameras)
- Variable message signs at BRT stations
- Bus instrumentation to allow real time transit data collection (systemwide)
- Smart cards (systemwide)

FUTURE PHASES

- Special vehicles
- Enhanced RTD paint scheme
- Bus ramp metering bypass lanes
- Queue jumps

NO ACTION ALTERNATIVE WILL INCLUDE \$7.5 M FOR QUEUE JUMPS



WHAT IS TRAVEL DEMAND MANAGEMENT?

Travel demand management (TDM) consists of methods and strategies to reduce the demand for travel, particularly single-occupant vehicle (SOV) travel, either by eliminating trips, shortening trips, changing the mode of travel, or changing the time of day when the trip is made.

US 36 TDM Elements:

- Similar to I-25 Transportation Expansion project (T-REX)
- Primarily during construction
- Establishment of an advisory task force
- Task force would identify stakeholder performance measures and programs

POSSIBLE PROGRAMS:

Vanpools and carpools

- Matching services
- RideArrangers
- Subsidies and formation services

Financial incentives

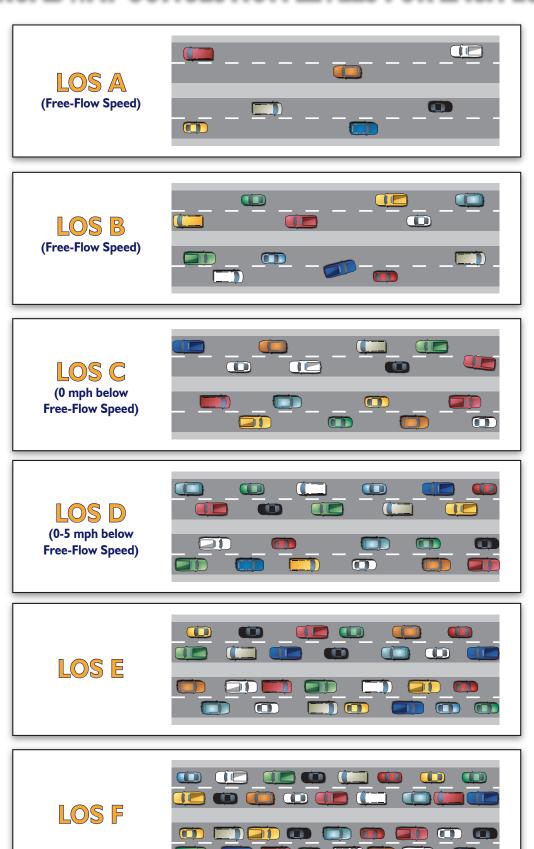
- Transit pass subsidies
- Vanpool subsidies

Stakeholder outreach and education

- Web sites
- Alternative work schedules
- Telecommuting/compressed work week
- Preferential parking programs
- Bicycle commuting support



TYPICAL ROADWAY CONGESTION LEVELS FOR EACH LOS GRADE





LEVEL OF SERVICE (LOS)

GENERAL-PURPOSE LANE LEVEL OF SERVICE COMPARISON

	A.M. Peak Hour			P.M. Peak Hour						
SEGMENT	Package I No Action 2030	Package 2 Toll 2030	Package 4 GP+HOV 2030	Package I No Action 2035	Combined Alternative 2035	Package I No Action 2030	Package 2 Toll 2030	Package 4 GP+HOV 2030	Package I No Action 2035	Combined Alternative 2035
				EAS	TBOUND	DIRECT	ION			
Foothills to McCaslin	D	D	С	F	Е	F	F	D	F	Е
McCaslin to West Flatiron	Е	D	D	F	Е	Е	D	D	F	D
East Flatiron to Wadsworth	С	С	С	D	С	D	D	D	D	D
Wadsworth to Church Ranch	D	D	С	D	D	D	D	С	D	D
Church Ranch to Sheridan	Е	D	D	D	D	Е	Е	D	Е	Е
Sheridan to Federal	F	F	Е	F	F	F	F	D	F	F
Federal to Pecos	F	Е	D	Е	Е	D	D	С	D	D
Pecos to Broadway	F	D	F	F	D	Е	C	D	D	С
				WES	TBOUND	DIRECT	ION			
Broadway to Pecos	С	D	D	С	D	D	Е	Е	D	D
Pecos to Federal	С	С	С	D	D	D	D	С	D	D
Federal to Sheridan	D	D	D	D	Е	Е	D	D	F	Е
Sheridan to Church Ranch	Е	F	D	Е	Е	F	F	D	F	D
Church Ranch to Wadsworth	Е	Е	D	Е	D	D	Е	С	F	D
Wadsworth to East Flatiron	Е	Е	Е	С	D	С	С	С	D	D
West Flatiron to McCaslin	Е	Е	D	Е	D	Е	Е	D	F	D
McCaslin to Foothills	F	F	Е	F	Е	Е	Е	D	F	Е
# of Segments at LOS E/F	10	7	4	9	7	9	8	I	9	5
Total E/F, AM + PM	19	15	5	5	10					
Total F, AM + PM	7	6	1	13	2					



RIGHT-OF-WAY (ROW) IMPACTS

COMBINED ALTERNATIVE PACKAGE

IMPACT	SEGMENT	PACKAGE 2	PACKAGE 4	(PRELIMINARY - SUBJECT TO CHANGE)
	Denver	0	0	0
Number of	Adams	171	172	34
Residential	Westminster	21	21	19
Dwelling	Broomfield	8	8	5
Units	Superior/Louisville	0	0	0
Displaced	Boulder	I	I	2
	Total	201	202	60
	Denver	0	0	0
	Adams	56	56	8
Number of	Westminster	28	28	24
Businesses	Broomfield	21	18	5
Displaced	Superior/Louisville	0	0	0
	Boulder	33	33	0
	Total	138	135	37



BROADWAY/I-25 INTERCHANGE ACCESS

OPTION A



OPTION B

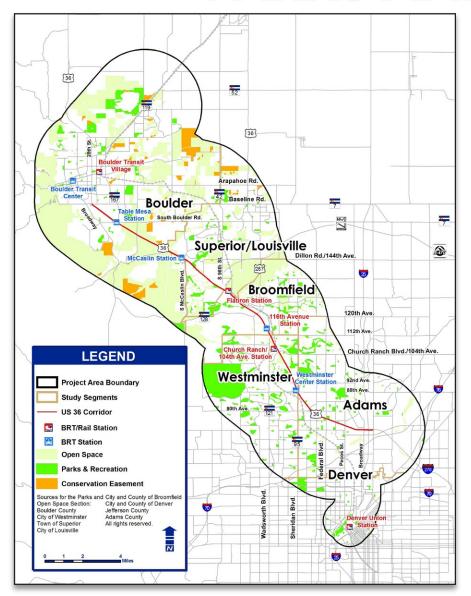


OPTION G





PARKS AND OPEN SPACE



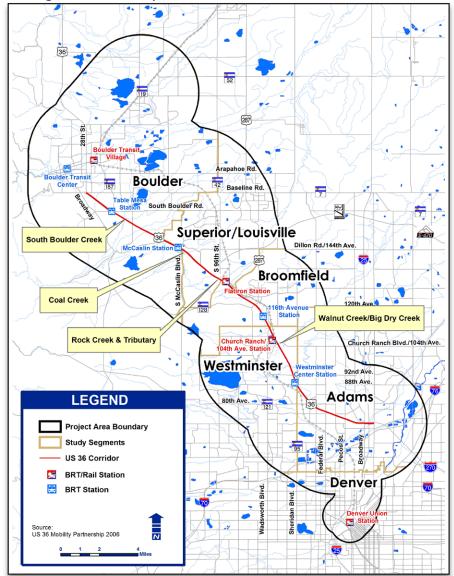
SEGMENT	PARK/OPEN SPACE RESOURCE
	Commissioners Park
	Westminster Open Space
ADAMS	Westminster Hills Park
	Oakwood Park
	Rotary Park (Section 6(f) Resource)
	Westminster Open Space
	Waddell Park
	Westcliff Future Park (Trendwood)
	Westminster Open Space
WESTMINSTER	Big Dry Creek Open Space
	Westminster Open Space
	Westminster Open Space
	Big Dry Creek Trail Crossing
	Westminster Open Space
	Allen Ditch
	Broomfield Open Space
	Broomfield Open Space
	East Interlocken Park
BROOMFIELD	East Interlocken Trail Crossing
	Interlocken Golf Course
	Broomfield Open Space
	Frank Varra Park
SUPERIOR/	Scriffiny (Carlson) Open Space
LOUISVILLE	Coal Creek Trail Crossing
	Broomfield Open Space
	City on the Hill Open Space
	Gallucci Open Space
	Jirkovsky Open Space
BOULDER	Yunker Open Space
	Van Vleet Open Space
	Short Open Space
	Van Vleet Open Space
	Van Vleet Open Space

- Six parks and 24 open space properties would be impacted by Package 4, for a total of 42.8 acres.
- Seven parks and 24 open space properties would be impacted by Package 2, for a total of 43.2 acres.
- Six parks and 23 open space properties would be impacted by Combined Alternative Package, for a total of 42.3 acres.
- Four trail crossings would be impacted by all build packages.
- Mitigation is property specific and ranges from reseeding disturbed areas to replacing property, facilities and equipment.



EXISTING & IMPACTED WETLANDS

Existing Wetlands in Study Area



Summary of Direct Permanent Wetland Impacts

Segment	Package 2 Total (acres)	Package 4 Total (acres)	Combined Alternative Package Total (acres)
Denver	0.0	0.0	0.0
Adams	1.3	1.2	1.0
Westminster	3.0	3.0	3.1
Broomfield	3.4	2.4	2.4
Superior/Louisville	1.7	1.0	1.3
Boulder	12.0	12.8	12.8
TOTAL	21.4	20.4	20.6

Source: US 36 Mobility Partnership, 2009.

There are approximately 70 acres of wetlands and 11 acres of other waters in study area.

Wetland Impacts:

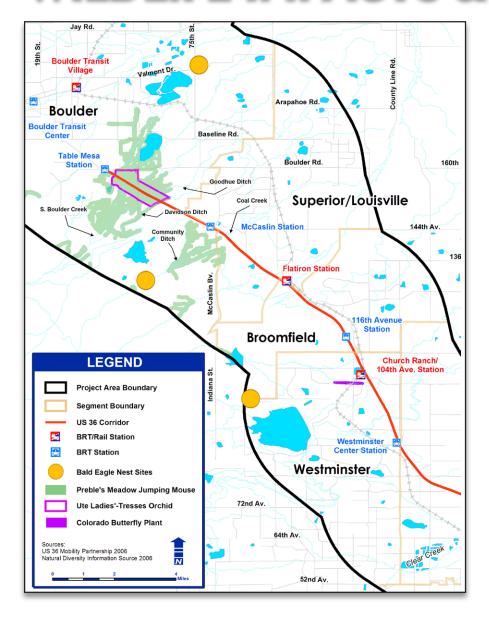
- ▶ Package 2 would impact approximately 21 acres of wetlands
- ▶ Package 4 would impact approximately 20 acres of wetlands
- ▶ Combined Alternative Package would impact approximately 21 acres of wetlands

Proposed Mitigation:

All impacts (jurisdictional and non-jurisdictional) will be mitigated at a 1:1 ratio in accordance with US Army Corps of Engineers and Colorado Department of Transportation policies



WILDLIFE IMPACTS & PROPOSED MITIGATION



Direct Habitat Loss to Wildlife

	THREATENED & ENDANGERED SPECIES – IMPACTED ACRES						
Species	Package 2 (acres)	Package 4 (acres)	Combined Alternative Package (acres)				
Preble's Meadow Jumping Mouse	42.3	49.4	46.0				
Ute Ladies'-tresses orchid	36.9	40.0	39.5				
Burrowing Owl	66.0	64.1	62.8				
	OTHER WILDLIFE SPECIES – IMPACTED AREAS						
Black-Tailed Prairie Dog Colonies	66.0	64.1	63.9				

Source: US 36 Mobility Partnership, 2009.

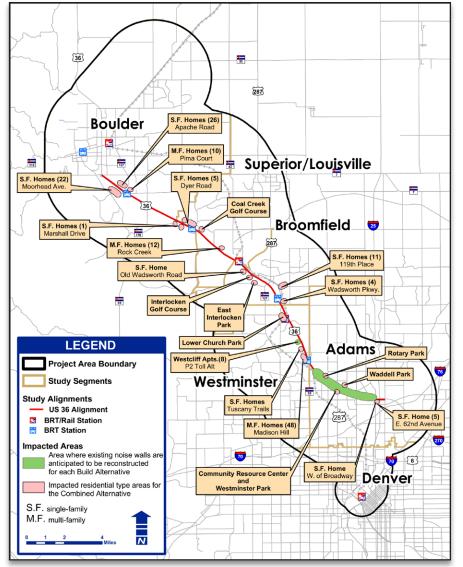
Mitigation includes:

- Avoidance of habitat during design
- Surveys prior to construction
- Relocation if possible
- Best Management Practices during construction
- Restoration or replacement of lost habitat



NOISE IMPACTS AND PROPOSED MITIGATION

Location of Noise Impacts & Mitigation

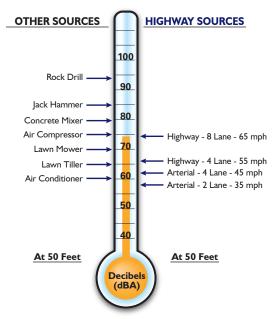


Length of Sound Wall Anticipated

	Package I	Package 2	Package 4	Combined Alternative Package
Segment	Reconstructed/New (feet)	Reconstructed/New (feet)	Reconstructed/New (feet)	Reconstructed/New (feet)
Denver	0	0	0	0
Adams	0	34,000	34,000	34,000
Westminster	0	4,200	2,400	4,200
Broomfield	0	0	0	0
Superior/Louisville	0	0	0	600
Boulder	0	7,900	7,900	7,900
Total (linear feet)	0	46,100	44,300	46,700

Source: US 36 Mobility Partnership, 2009

- ► 114 residences impacted by Package 1
- ▶ 126 residences impacted by Packages 2 and 4
- ► 125 residences impacted by Combined Alternative Package
- P2 and P4 noise mitigations are proposed at Madison Hills, Tuscany Trail, Apache Road/Pima Court and Moorehead Neighborhoods
- Additional noise mitigation proposed at Rock Creek Apartments for Combined Alternative Package
- Noise mitigation may include sound walls where reasonable and feasible

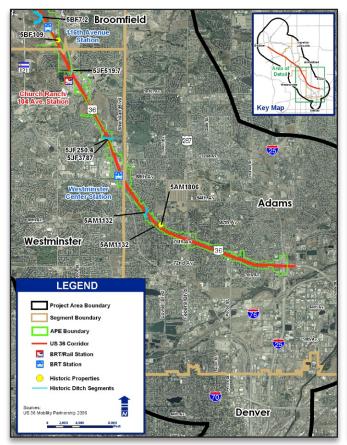


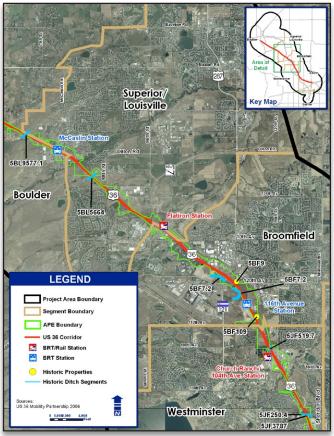
 CDOT threshold for noise mitigation in residential, park, church and similar use areas is 66 dbA



HISTORIC RESOURCES

POTENTIAL HISTORIC RESOURCES IN STUDY AREA







Smithsonian Site Number	Address/Location	Property Type
5AM1132/1132.3/1132.4	Allen Ditch, no address	. Irrigation ditch
5AM1806	Advent Evangelical Lutheran Church	. Church
5JF3787/5JF3787.2	Nivers Canal, no address	. Irrigation canal
5JF250/5JF250.4	Farmers Highline Canal, no address	. Irrigation canal
5JF519.7	BNSF Segment, no address	. Railroad
5BF109	I I 4 I 5 Wadsworth Boulevard	. Residence
5BF7/5BF7.2	Dry Creek Valley Ditch, no address	. Irrigation ditch
5BF9	8375 West 120th Avenue	. Residence
5BF99	Prehistoric hearth, no address	. Prehistoric hearth
5BL5664	Coal Creek Ditch	. Irrigation ditch

Smithsonian Site Number	Address/Location	Property Type
5BL9577/5BL9577.1	Louisville Reservoir Inlet, no address	. Irrigation ditch
5BL7529.3	US 36, Davidson Mesa - Foothills Pkwy	. Historical highway
5BL453/5BL453.2	Davidson Ditch, no address	Irrigation ditch
5BL2719/5BL2719.38	Goodhue Ditch, no address	. Irrigation canal
5BL5040/5BL5040.1	Shearer Ditch, no address	. Irrigation ditch
5BL750/5BL750.51	South Boulder Canyon Ditch, no address	Irrigation ditch
5BL3935	Anderson Extension Ditch, no address	. Irrigation ditch
5BL5036	Viele Homestead	. Residence, farmstead
5BL4165/5BL4165.1	McGinn Ditch, no address	. Irrigation canal



US 36 PREFERRED ALTERNATIVE COMMITTEE

PROCESS TO IDENTIFY A PREFERRED ALTERNATIVE

HOW THEY CAME TO BE:

In order to respond to public and jurisdiction comment, a U.S. 36 Preferred Alternative Committee (PAC), a 21-member group comprised of agency representatives, elected officials and technical staff from local jurisdictions, was convened.

PURPOSE:

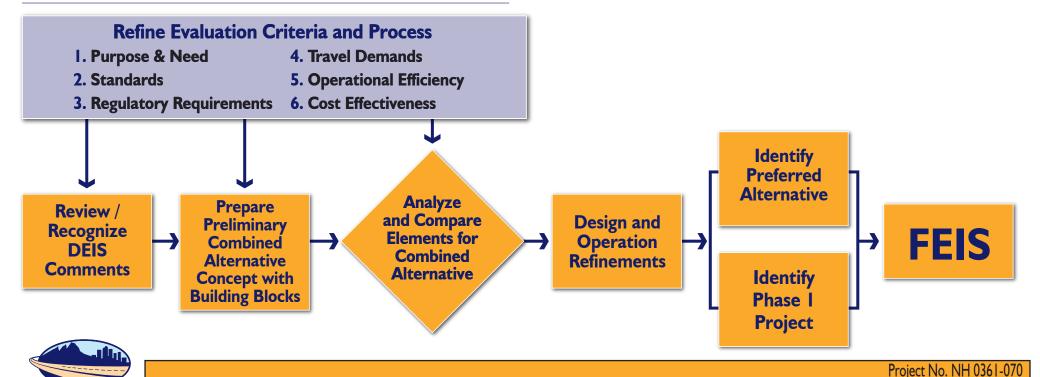
The US 36 PAC has met since January 2008 to identify the Preferred Alternative for inclusion in the U.S. 36 Final Environmental Impact Statement.

ISSUES ADDRESSED:

- Access to Broadway
- Auxiliary lanes
- Bus Rapid Transit operations and stations
- West End design options

- Access to managed lanes
- Bikeway
- Travel Demand Management

US 36 PREFERRED ALTERNATIVE COMMITTEE PROCESS:

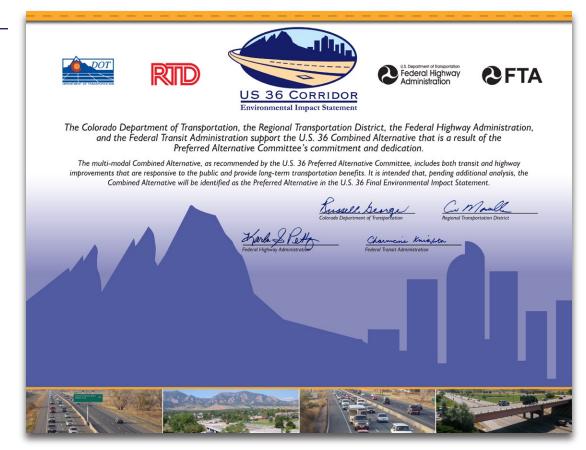


US 36 PREFERRED ALTERNATIVE COMMITTEE

US 36 PAC Members

A 21-member group comprised of agency representatives, elected officials and technical staff from local jurisdictions.

- Adams County
- Boulder County
- ▶ Jefferson County
- City & County of Denver
- City & County of Broomfield
- ▶ City of Westminster
- ▶ City of Louisville
- City of Superior
- ▶ City of Boulder
- Federal HighwayAdministration
- Federal TransitAdministration
- Colorado Department of Transportation
- Regional TransportationDistrict
- U.S. Army Corps of Engineers
- ▶ 36 Commuting Solutions







OUTCOME

- July 2008: Reached consensus agreement on the "Recommendation for a Combined Alternative"
- The Combined Alternative Package includes both transit and highway improvements that are responsive to the public and provide long-term transportation benefits.
- It is intended that the Combined Alternative Package will be identified as the Preferred Alternative in the U.S. 36 Final EIS



PROPOSED US 36 BIKEWAY







HOW TO STAY INVOLVED



- Visit the US 36 Web site for current information about the project
- Sign up on the Web site to receive project updates and meeting announcements





- Attend US 36 FEISPublic Meetings and Hearings
- Submit a comment at a public meeting, by mail, or through the project Web site





Request a meeting for your organization

CONTACT US

US 36 EIS Web site www.us36eis.com

US 36 EIS Information Line (720) 407-4713

U.S. 36 Environmental Impact Statement c/o CDR Associates 100 Arapahoe Ave., Suite 12 Boulder, CO 80302

