



CHAPTER 9: PREFERRED ALTERNATIVE MITIGATION COMMITMENTS

This chapter describes the mitigation commitments for the Preferred Alternative, the Partial Cover Lowered Alternative with Managed Lanes. This mitigation-tracking spreadsheet is used by CDOT to follow the project through the design, construction, and maintenance phases. The table will be updated as the project progresses.

Since the Supplemental Draft EIS was published in August 2014, additional analyses and content review have been performed for many of the resources discussed in this document. These updates, along with changes resulting from the comments received on the Supplemental Draft EIS, have been incorporated into this Final EIS.

This Chapter is a new inclusion for the Final EIS and was not included in the Supplemental Draft EIS.

Per the *CDOT NEPA Manual*, prior to mitigation, CDOT always makes best efforts to:

- Avoid the impact altogether by not taking a certain action or parts of an action
- Minimize impacts by limiting the degree or magnitude of the action and its implementation

However, if avoidance or minimization is not feasible, then mitigation measures may be implemented, including:

- Rectifying the impact by repairing, rehabilitating, or restoring the Affected Environment
- Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action
- Compensating for the impact by replacing or providing substitute resources or environments (CEQ, 40 CFR § 1508.20)

FHWA regulations require that mitigation measures presented as commitments in the EIS be incorporated into a project (FHWA and FTA, 23 CFR § 771.109[b] and 23 CFR § 771.125[a][1]). Monitoring conducted during project construction and operation is the means to ensure mitigation measures are implemented effectively. If monitoring identifies any deficiencies in mitigating the impact, adjustments to the level, timing, and/or procedure of mitigation must be made accordingly.

Mitigation commitments are specific and include information regarding responsibility, monitoring, performance standards, and schedules for implementation. The Record of Decision makes commitments about implementing and monitoring the proposed mitigation measures. (CDOT, 2013b, Chapter 4)

Exhibit 9-1, on the following pages, includes impacts and mitigation measures for the Preferred Alternative, the Partial Cover Lowered Alternative with Managed Lanes. This mitigation-tracking spreadsheet is used by CDOT to follow the project through the design, construction, and maintenance phases. The table will be updated as the project progresses.

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
1	Transportation	Temporary road closures and traffic detours may have impacts on access to certain public services	Coordinate with RTD for phasing of improvements to minimize disruptions to transit operations	CDOT Engineering/ Developer	Pre-construction/ during construction	Chapter 4 4-56
2	Transportation	Temporary road closures and traffic detours may have impacts on access to certain public services	Coordinate with RTD more than 30 days in advance during construction to minimize disruptions to service areas and schedules and notify transit users in advance of any closures, delays, or modifications in bus or rail routes; and on modifications or relocation of transit stops or signage along the affected routes since accessibility is required to be maintained	CDOT Engineering/ Developer	Pre-construction/ during construction	Chapter 4 4-56
3	Transportation	Temporary impacts to rail facilities will result from the construction of railroad bridge structures and/or the relocation of track operations	Coordinate with UPRR, BNSF, and DRIR for phasing of improvements to minimize disruptions to railroad operations	CDOT Engineering/ Developer	Pre-construction/ during construction	Chapter 4 4-56
4	Transportation	Impacts to local traffic volumes caused by removal of the York Street interchange and changes to the Steele Street/Vasquez Boulevard interchange and the Colorado Boulevard interchange	Coordinate with Denver to determine appropriate truck routes on city streets	CDOT Engineering/ Developer	Pre-construction/ during construction	Chapter 4 4-56
5	Social and Economic Conditions	56 residential relocations 18 business relocations (includes 1 non-profit relocation)	Compensate any person(s) whose property needs to be acquired according to the U.S. Constitution and the Uniform Act of 1970, as amended	CDOT Right of Way	During property acquisition	Section 5.2 5.2-51
6	Social and Economic Conditions	Temporary road closures and traffic detours may have impacts on access to certain public services	Provide safe and efficient connections through neighborhoods during construction for all modes of transportation, including bicycles and pedestrians	CDOT Engineering/ Developer	During construction	Section 5.2 5.2-51

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7	Social and Economic Conditions	Temporary road closures and traffic detours may have impacts on access to certain public services	Coordinate with emergency service providers during construction to minimize effects on response times	CDOT Engineering/ Developer	During construction	Section 5.2 5.2-51
8	Social and Economic Conditions	Temporary effect to the regional economy from construction-related traffic congestion	Use standard measures—such as phased construction, advance notice of road closures and detours, and fixed and variable signage—to reduce effects on local residents, businesses, and services and on I-70 motorists	CDOT Engineering/ Developer	During construction	Section 5.2 5.2-51
9	Social and Economic Conditions	Temporary road closures and traffic detours may have impacts on access to certain public services	Use standard measures—such as phased construction, advance notice of road closures and detours, and fixed and variable signage—to reduce effects on local residents, businesses, and services and on I-70 motorists	CDOT Engineering/ Developer	During construction	Section 5.2 5.2-51
10	Social and Economic Conditions	Temporary road closures and traffic detours may have impacts on access to certain public services	Provide a robust and context-sensitive communications and outreach plan throughout construction to ensure residents are kept informed	CDOT Public Involvement/ Developer	Pre-construction/ during construction	Section 5.2 5.2-51
11	Social and Economic Conditions	Temporary road closures and traffic detours may have impacts on access to certain public services	Coordinate with RTD more than 30 days in advance during construction to minimize disruptions to service areas and schedules and notify transit users in advance of any closures, delays, or modifications in bus or rail routes; and on modifications or relocation of transit stops or signage along the affected routes since accessibility is required to be maintained	CDOT Engineering/ Developer	Pre-construction/ during construction	Section 5.2 5.2-51
12	Social and Economic Conditions	Temporary road closures and traffic detours may have impacts on access to certain public services	Use signs and notifications to reduce adverse effects on access to homes, businesses, and services during the construction period from detours	CDOT Engineering/ Developer	During construction	Section 5.2 5.2-51

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13	Social and Economic Conditions	Temporary road closures and traffic detours may have impacts on access to certain public services	Use the <i>Aesthetic and Design Guidelines</i> (see Attachment O) developed during the EIS process with Denver and the community during final design to help CDOT identify appropriate aesthetic design elements to ensure compatibility within the community and each viewshed; CDOT is committed to following the guidelines and continued community involvement during final design and construction	CDOT Public Involvement and Environmental/ Developer	Final design/ during construction	Section 5.2 5.2-51
14	Social and Economic Conditions	Acquisition of right of way from the buffer area between 46th Avenue and the field to the south of Swansea Elementary School	Removing the viaduct, lowering the highway, and covering portions of the highway to include space for community and neighborhood activities	CDOT Engineering/ Developer	Pre-construction/ during construction	Section 5.2 5.2-52
15	Social and Economic Conditions	Acquisition of right of way from the buffer area between 46th Avenue and the field to the south of Swansea Elementary School	Redesign and reconstruct the school playground; this will include the adjacent parcels as part of the elementary school site and will eliminate Elizabeth Street between 46th Avenue and 47th Avenue and 46th Avenue between Clayton Street and Columbine Street will be removed to allow for a seamless connection between Swansea Elementary School and the landscape on the highway cover	CDOT Engineering	Final design	Section 5.2 5.2-52
16	Environmental Justice	18 business relocations (includes 1 non-profit relocation)	Provide targeted assistance to encourage businesses that are crucial to low-income and minority populations to find new locations in the same neighborhoods	CDOT Right of Way	During property acquisition	Section 5.3 5.3-41
17	Environmental Justice	56 residential relocations 18 business relocations (includes 1 non-profit relocation)	Provide funding to CRHDC to assist residential and business displacees with financial counseling and procurement of financing for replacement property and securing business and residential loans; CDOT has already provided funding to CRHDC as early mitigation	CDOT Right of Way and Engineering	During property acquisition/ pre-construction (complete)	Section 5.3 5.3-41

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18	Environmental Justice	Potential for disturbing hazardous material sites during construction	Collect representative soil samples of three or four recently cleaned-up residential properties pre-, during, and post-construction to test for lead and arsenic to ensure that the properties aren't re-contaminated due to construction activities	CDOT Environmental/ Developer	Pre-construction/ during construction/ post-construction	Section 5.3 5.3-41
19	Environmental Justice	Increasing noise and dust during construction	Provide residents close to the highway construction—between 45th Avenue and 47th Avenue from Brighton Boulevard to Colorado Boulevard—two free portable or window-mounted air conditioning units with air filtration and assistance for the potential additional utility costs during construction	CDOT Engineering/ Developer	Pre-construction/ during construction	Section 5.3 5.3-41
20	Environmental Justice	Increasing noise and dust during construction	Provide residents close to the highway construction—between 45th Avenue and 47th Avenue from Brighton Boulevard to Colorado Boulevard—two free portable or window-mounted air conditioning units with air filtration	CDOT Engineering/ Developer	Pre-construction	Section 5.3 5.3-42
21	Environmental Justice	Increasing noise and dust during construction	Provide residents close to the highway construction—between 45th Avenue and 47th Avenue from Brighton Boulevard to Colorado Boulevard—assistance for the potential additional utility costs during construction to run the two free portable or window-mounted air conditioning units with air filtration	CDOT Engineering/ Developer	During construction	Section 5.3 5.3-41
22	Environmental Justice	Increasing noise and dust during construction	Provide residents close to the highway construction—between 45th Avenue and 47th Avenue from Brighton Boulevard to Colorado Boulevard—interior storm windows	CDOT Engineering/ Developer	Pre-construction	Section 5.3 5.3-41
23	Environmental Justice	18 business relocations (includes 1 non-profit relocation)	Facilitate opportunities to promote hiring individuals from the communities, such as job fairs with contractors	CDOT Public Involvement/ Developer	Pre-construction/ during construction	Section 5.3 5.3-44

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24	Environmental Justice	18 business relocations (includes 1 non-profit relocation)	Execute geographic-based hiring preferences (CDOT has submitted an application and received approval under Special Experiment Project 14 (SEP-14) for the US DOT pilot program)	CDOT Civil Rights and Engineering/ Developer	Pre-construction/ during construction	Section 5.3 5.3-41
25	Environmental Justice	18 business relocations (includes 1 non-profit relocation)	Research opportunities to invest funds in a local workforce development program aimed at job readiness training prior to construction	CDOT Civil Rights and Engineering/ Developer	Pre-construction/ during construction	Section 5.3 5.3-41
26	Environmental Justice	Increasing noise and dust during construction at the school	Provide a new HVAC system, doors, and windows for Swansea Elementary School	CDOT Engineering	Pre-construction	Section 5.3 5.3-41
27	Environmental Justice	Moving the highway closer to Swansea Elementary School	Prior to the start of roadway construction, build two new classrooms at Swansea Elementary School to enhance the overall quality of the school	CDOT Engineering	Pre-construction	Section 5.3 5.3-41
28	Environmental Justice	Limiting north-south pedestrian and bicycle connectivity compared to the existing conditions	Remove the viaduct, lower the highway, and covering portions of the highway to include space for community and neighborhood activities	CDOT Engineering/ Developer	Final design/ during construction	Section 5.3 5.3-44
29	Environmental Justice	Displacing Stop N Shop and Pilot Travel Center truck stop	Provide contributions to existing programs that facilitate access to fresh food	CDOT Environmental and Engineering	Pre-construction/ during construction	Section 5.3 5.3-41
30	Environmental Justice	Moving the highway closer to Swansea Elementary School	Redesign and reconstruct the school playground; this will include the adjacent parcels as part of the elementary school site and will eliminate Elizabeth Street between 46th Avenue and 47th Avenue and 46th Avenue between Clayton Street and Columbine Street will be removed to allow for a seamless connection between Swansea Elementary School and the landscape on the highway cover	CDOT Engineering/ Developer	Final design/ during construction	Section 5.3 5.3-44
31	Environmental Justice	Relocating 56 residences	Provide \$2 million in funding to develop affordable housing units in the Elyria and Swansea Neighborhood through available programs	CDOT Environmental and Engineering	Pre-construction/ during construction	Section 5.3 5.3-44

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32	Environmental Justice	Creating a financial burden to the low-income community, who may not be able to afford to use the managed lanes	Research ways to provide assistance for low-income populations within the area (such as free transponders) to use the managed lanes	CDOT HPTE	Post-construction	Section 5.3 5.3-44
33	Land use	68.3 acres converted to transportation use	Continue to coordinate with local jurisdictions to ensure compatibility with land use plans and to address any inconsistency that may arise	CDOT Engineering/ Developer	Final design	Section 5.4 5.4-18
34	Relocations and displacements	56 residential relocations 18 business relocations (includes 1 non-profit relocation)	Compensate any person(s) whose property needs to be acquired according to the U.S. Constitution and the Uniform Act of 1970, as amended	CDOT Right of Way	During property acquisition	Section 5.5 5.5-20
35	Relocations and displacements	56 residential relocations 18 business relocations (includes 1 non-profit relocation)	Provide all impacted owners notification of the acquiring agency's intent to acquire an interest in their property, including a written offer letter of just compensation specifically describing those property interests; assign a right of way specialist to each property owner to assist them with this process	CDOT Right of Way	During property acquisition	Section 5.5 5.5-20
36	Relocations and displacements	56 residential relocations 18 business relocations (includes 1 non-profit relocation)	Provide bilingual services for any of the relocated and displaced businesses or households that need them	CDOT Right of Way	During property acquisition	Section 5.5 5.5-20
37	Relocations and displacements	56 residential relocations 18 business relocations (includes 1 non-profit relocation)	Meet directly with those owners and occupants who would be relocated as a result of the proposed project; conduct multiple meetings with these individuals to provide an introduction and overview of the process associated with the Uniform Act; provide information on resources available, including assistance from local, state, and federal agencies, and private agencies in the community; identify individual eligibility for benefits	CDOT Right of Way	During property acquisition	Section 5.5 5.5-20
38	Historic preservation	Adverse Effect—13 historic resources	Establish a Programmatic Agreement with SHPO and consulting parties	CDOT Environmental	Pre-construction (complete)	Section 5.6 5.6-17

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39	Historic preservation	Adverse Effect—13 historic resources	Provide Level II archival documentation for adversely affected resources	CDOT Environmental	Pre-construction/ during construction	Section 5.6 5.6-17
40	Historic preservation	Adverse Effect—13 historic properties	Provide funding and participate in the creation of a documentary covering the history of I-70 East and its relationship to the Elyria and Swansea and Globeville Neighborhoods (mitigation has been completed, and is available to view at www.i-70east.com)	CDOT Environmental	Pre-construction (complete)	Section 5.6 5.6-17
41	Historic preservation	Adverse Effect—13 historic properties Temporary impacts may include dust and debris, visual and auditory degradation related to construction activities, and decreased access	Implement other mitigation measures, as identified, in consultation with SHPO and consulting parties as described in the Programmatic Agreement	CDOT Engineering and Environmental	Pre-construction/ during construction	Section 5.6 5.6-17
42	Historic preservation	Adverse Effect—13 historic properties Temporary impacts may include dust and debris, visual and auditory degradation related to construction activities, and decreased access	Cease work during construction if unidentified historic resources are encountered and notify CDOT and SHPO immediately	CDOT Engineering and Environmental/ Developer	Pre-construction/ during construction	Section 5.6 5.6-17
43	Historic preservation	Adverse Effect—13 historic properties Temporary impacts may include dust and debris, visual and auditory degradation related to construction activities, and decreased access	Contact consulting Indian tribes if Indian cultural materials are identified at any time during construction	CDOT Engineering and Environmental/ Developer	Pre-construction/ during construction	Section 5.6 5.6-17
44	Paleontological	Increased potential for encountering paleontological resources in excavated bedrock of the Denver and Arapahoe Formations	Perform an intensive preconstruction paleontological survey	CDOT Environmental	Pre-construction	Section 5.7 5.7-7

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45	Paleontological resources	Increased potential for encountering paleontological resources in excavated bedrock of the Denver and Arapahoe Formations	Perform spot-checking of excavations by a qualified paleontologist in areas of high paleontological potential during all phases of construction until bedrock is reached, then perform continuous paleontological monitoring	CDOT Environmental/ Developer	During construction	Section 5.7 5.7-7
46	Paleontological resources	Increased potential for encountering paleontological resources in excavated bedrock of the Denver and Arapahoe Formations	Cease work immediately upon discovery of any paleontological resources, fence off the area, and allow the paleontologist to conduct sampling or excavation of specimens by hand or with mechanized equipment; do not resume work in the area until receiving formal notification from the paleontologist allowing work to resume	CDOT Environmental/ Developer	During construction	Section 5.7 5.7-7
47	Visual resources and aesthetic qualities	Ground-level noise walls or safety barriers are less intrusive to viewers' eyes compared to the No-Action and Revised Viaduct Alternatives, but they also introduce a new visual impact by blocking the view across the highway	Use the <i>Aesthetic and Design Guidelines</i> (see Attachment O) developed during the EIS process with Denver and the community during final design to help CDOT identify appropriate aesthetic design elements to ensure compatibility within the community and each viewshed; CDOT is committed to following the guidelines and continued community involvement during final design and construction	CDOT Environmental and Engineering/ Developer	Final design/ pre-construction/ during construction	Section 5.8 5.8-25
48	Visual resources and aesthetic qualities	Views for drivers traveling eastbound and westbound will be entirely different from the existing conditions	Use the <i>Aesthetic and Design Guidelines</i> (see Attachment O) developed during the EIS process with Denver and the community during final design to help CDOT identify appropriate aesthetic design elements to ensure compatibility within the community and each viewshed; CDOT is committed to following the guidelines and continued community involvement during final design and construction	CDOT Environmental and Engineering/ Developer	Final design/ pre-construction/ during construction	Section 5.8 5.8-25

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49	Visual resources and aesthetic qualities	Additional visual barriers will be created with the direct connections at I-270, I-225, and Peña Boulevard Managed lanes infrastructure will create new visual impacts along the project corridor	Use the <i>Aesthetic and Design Guidelines</i> (see Attachment O) developed during the EIS process with Denver and the community during final design to help CDOT identify appropriate aesthetic design elements to ensure compatibility within the community and each viewshed; CDOT is committed to following the guidelines and continued community involvement during final design and construction	CDOT Environmental and Engineering/ Developer	Final design/ pre-construction/ during construction	Section 5.8 5.8-25
50	Parks and recreational resources	South Platte River Greenway (Section 6(f) resource) temporary impacts may occur during construction	Provide adequate notice and signing to Greenway users prior to construction	CDOT Environmental/ Developer	During construction	Section 5.9 5.9-22
51	Parks and recreational resources	South Platte River Greenway (Section 6(f) resource) temporary impacts may occur during construction	Return Greenway to pre-construction or comparable state following construction	CDOT Environmental/ Developer	Post construction	Section 5.9 5.9-22
52	Parks and recreational resources	0.95 acre of impact to Swansea Elementary School	Use remnants of adjacent parcels obtained for right-of-way expansion to reconfigure the school site plan and replace all the playground facilities; this includes closing Elizabeth Street between 46th Avenue and 47th Avenue	CDOT Engineering/ Developer	During construction	Section 5.9 5.9-22
53	Parks and recreational resources	Minor realignment of Sand Creek Greenway Trail, Sand Creek Greenway Trail closures may occur during construction	Provide trail detours and ADA-compliant detour signage during construction	CDOT Engineering/ Developer	During construction	Section 5.9 5.9-22
54	Parks and recreational resources	Minor realignment of Sand Creek Greenway Trail, Sand Creek Greenway Trail closures may occur during construction	Return trails to pre-construction or comparable state following construction	CDOT Engineering/ Developer	Post construction	Section 5.9 5.9-22
55	Parks and recreational resources	Part of Globeville Landing Park will be closed during construction	Return to pre-construction or comparable state following construction	CDOT Environmental/ Developer	Pre-construction	Section 5.9 5.9-22

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56	Parks and recreational resources	Utility easement/access permit required and 0.3 acre will be converted to a drainage outfall/spillway in Globeville Landing Park (Section 6(f) resource)	Replace 0.3 acre of land converted to a non-recreation use by the construction of the spillway in Globeville Landing Park and the utility easement/access permit area with in-kind land of at least current fair market value and reasonable equivalent usefulness and location and investigate the acquisition of land identified by Denver near Milstein Park for this replacement Conditional approval from CPW and NPS is anticipated before the ROD is completed. FHWA has indicated that approval, or lack of objection, at this point is sufficient for NEPA clearance. Near the end of construction, but before closing the project, a formal Section 6(f) conversion proposal will be submitted to the NPS by CPW. CDOT will prepare the request for CPW with their approval.	CDOT Environmental and Right of Way/ Developer	During construction	Section 5.9 5.9-22
57	Air quality	Construction fugitive dust could cause temporary impacts	Monitor for PM ₁₀ , which will allow for the real-time modification or implementation of various dust control measures during construction	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
58	Air quality	Construction fugitive dust could cause temporary impacts	Cover, wet, compact, or use chemical stabilization binding agent to control dust and excavated materials at construction sites	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
59	Air quality	Construction fugitive dust could cause temporary impacts	Use wind barriers and wind screens to prevent spreading dust from the site	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
60	Air quality	Construction fugitive dust could cause temporary impacts	Have a wheel wash station and/or crushed stone apron at egress/ingress areas to prevent dirt being tracked onto public streets	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
61	Air quality	Construction fugitive dust could cause temporary impacts	Use vacuum-powered street sweepers to remove dirt tracked onto streets	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
62	Air quality	Construction fugitive dust could cause temporary impacts	Cover all dump trucks leaving sites to prevent dirt from spilling onto streets	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47

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63	Air quality	Construction fugitive dust could cause temporary impacts	Minimize disturbed areas, particularly in winter	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
64	Air quality	MSAT emissions could increase temporarily during construction	Prohibit unnecessary idling of construction equipment	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
65	Air quality	MSAT emissions could increase temporarily during construction	Locate construction diesel engines as far away as possible from residential areas	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
66	Air quality	MSAT emissions could increase temporarily during construction	Locate construction staging areas close to work sites, while situating them as far away as possible from residential uses	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.10 5.10-47
67	Air quality	MSAT emissions could increase temporarily during construction	Require heavy construction equipment to use the cleanest available engines or be retrofitted with diesel particulate control technology	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.10 5.10-47
68	Air quality	MSAT emissions could increase temporarily during construction	Use alternatives to diesel engines and/or diesel fuels, such as biodiesel, liquefied natural gas, or compressed natural gas, fuel cells, and electric engines, if applicable.	CDOT Environmental/ Developer	During construction	Section 5.10 5.10-47
69	Air quality	MSAT emissions could increase temporarily during construction	Install engine pre-heater devices to eliminate unnecessary idling for wintertime construction	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.10 5.10-47
70	Air quality	MSAT emissions could increase temporarily during construction	Prohibit tampering with equipment to increase horsepower or to defeat an emission control device's effectiveness	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.10 5.10-47
71	Air quality	MSAT emissions could increase temporarily during construction	Require construction vehicle engines to be properly tuned and maintained	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.10 5.10-47
72	Air quality	MSAT emissions could increase temporarily during construction	Use construction vehicles and equipment with the minimum practical engine size for the intended job	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.10 5.10-47

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73	Air quality	Construction fugitive dust could cause temporary impacts	Continue the "sweepbox" program on the highway to achieve the current level of fugitive dust reduction; and enhance street sweeping after snow events to reduce the particulate matter accumulation during operations	CDOT Maintenance/ Developer	Post construction	Section 5.10 5.10-47
74	Air quality	MSAT emissions could increase temporarily during construction	Optimize signal timing at intersections and along arterial streets near the freeway to reduce vehicle delay and tailpipe emissions	CDOT Engineering/ Developer	Post construction	Section 5.10 5.10-47
75	Air quality	MSAT emissions could increase temporarily during construction	Implement congestion pricing and commuter incentive programs that reduce peak-period highway congestion and emissions	CDOT HPTE/ Developer	Post construction	Section 5.10 5.10-47
76	Air quality	MSAT emissions could increase temporarily during construction	Encourage TDM options, such as high-occupancy vehicle lanes and agreements with major employers to promote and implement flexible work programs	CDOT Engineering/ Developer	Post construction	Section 5.10 5.10-47
77	Energy	7,698 billion Btu consumed during construction	Limit idling of construction equipment	CDOT Environmental and Engineering/ Developer	During construction	Section 5.11 5.11-7
78	Energy	7,698 billion Btu consumed during construction	Encourage employee carpooling and vanpooling for construction workers	CDOT Engineering/ Developer	During construction	Section 5.11 5.11-7
79	Energy	7,698 billion Btu consumed during construction	Encourage use of closest material sources	CDOT Environmental and Engineering/ Developer	During construction	Section 5.11 5.11-7
80	Energy	7,698 billion Btu consumed during construction	Locate construction staging areas close to work sites, while situating them as far away as possible from residential uses	CDOT Environmental and Engineering/ Developer	Pre-construction/ during construction	Section 5.11 5.11-7
81	Energy	7,698 billion Btu consumed during construction	Encourage use of cleaner and more fuel-efficient construction vehicles (for example, low sulfur fuel, biodiesel, or hybrid technologies)	CDOT Environmental and Engineering/ Developer	Pre-construction/ during construction	Section 5.11 5.11-7

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82	Energy	7,698 billion Btu consumed during construction	Encourage use of alternative fuels and asphalt binders	CDOT Environmental and Engineering/ Developer	During construction	Section 5.11 5.11-7
83	Energy	7,698 billion Btu consumed during construction	Implement traffic management schemes that minimize delays and idling	CDOT Engineering/ Developer	During construction	Section 5.11 5.11-7
84	Energy	70.0 billion Btu consumed per day	Implement energy conservation measures where appropriate, such as energy-efficient electrical system specifications, lighting, mechanical equipment, and building insulation in accordance with CDOT's <i>Lighting Design Guide</i> (CDOT, 2006)	CDOT Engineering/ Developer	Final design/ during construction	Section 5.11 5.11-7
85	Energy	70.0 billion Btu consumed per day	Encourage energy-efficient options for the cover facilities	CDOT Engineering/ Developer	Final design/ during construction	Section 5.11 5.11-7
86	Noise	Construction noise will present short-term effects to those dwelling units located along the corridor and along designated construction access routes	Implement BMPs to minimize noise during construction, as per FHWA's <i>Highway Construction Noise Handbook</i> (2006)	CDOT Environmental/ Developer	During construction	Section 5.12 5.12-62
87	Noise	Construction noise will present short-term effects to those dwelling units located along the corridor and along designated construction access routes	Conduct a benefited receptor survey prior to construction to determine if the recommended noise wall is desired; if the survey results show that the majority of benefitted receptors who respond to the survey desire the noise wall, the noise wall will be optimized and built	CDOT Environmental/ Developer	Final design/ pre-construction	Section 5.12 5.12-62

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88	Noise	Number of noise receptors exceed NAC threshold: <ul style="list-style-type: none"> • Globeville: 18 to 24 • Elyria: 55 (11 that increase by 10 dBA or more) • Swansea: 50 • Stapleton: 0 • Peoria Street: 0 • Montbello: 29 to 34 • Aurora: 3 	Location and height of feasible and reasonable walls: Elyria: 12 to 20 feet	CDOT Environmental/ Developer	Final design/ during construction	Section 5.12 5.12-62
89	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat; 1.298 acres of permanent impacts and 0.253 acre of temporary impacts to riparian areas	Comply with Senate Bill 40, CDOT Impacted Black-Tailed Prairie Dog Policy, and CDOT Standard Specifications for protection of migratory birds	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.13 5.13-26
90	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat; 1.298 acres of permanent impacts and 0.253 acre of temporary impacts to riparian areas	Monitor disturbed sites during construction to identify and treat any noxious weed invasion	CDOT Environmental/ Developer	During construction	Section 5.13 5.13-26
91	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat; 1.298 acres of permanent impacts and 0.253 acre of temporary impacts to riparian areas	Reclaim disturbed areas in phases throughout construction with native grasses and forbs	CDOT Environmental/ Developer	During construction	Section 5.13 5.13-26
92	Biological resources	1.298 acres of permanent impacts and 0.253 acre of temporary impacts to riparian areas	Replace riparian trees at a 1:1 ratio and riparian shrubs at a 1:1 square foot ratio	CDOT Environmental/ Developer	During construction	Section 5.13 5.13-26

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
93	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat	Conduct a Burrowing Owl survey following CPW protocols no more than 30 days prior to construction if construction in prairie dog colonies will occur between February 1 and August 31; if a nesting pair is discovered, no construction activity will occur within 150 feet of the nest between March 15 and October 31	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.13 5.13-26
94	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat	Remove or trim vegetation outside of the April 1 to August 31 migratory bird-breeding season	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.13 5.13-26
95	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat	Survey areas to be cleared and grubbed, as well as areas within 50 feet of these areas, between April 1 and August 31 for active migratory bird nests within seven days of the work being performed	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.13 5.13-26
96	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat	Remove existing nests from structures after August 31 and prior to April 1	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.13 5.13-26
97	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat	Monitor structures at least once every three days for any nesting activity between April 1 and August 31	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.13 5.13-26
98	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat	Prepare and implement an Integrated Noxious Weeds Management Plan	CDOT Environmental/ Developer	Pre-construction	Section 5.13 5.13-26
99	Biological resources	1.298 acres of permanent impacts and 0.253 acre of temporary impacts to riparian areas	Perform botanical surveys for Ute ladies'-tresses orchid and Colorado butterfly plant	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.13 5.13-26
100	Floodplains and drainage/ hydrology	Impact to potential ponding areas due to the increased width of the highway, which may increase runoff from I-70	Create detention ponds and implement storm drainage for onsite drainage system improvements	CDOT Engineering and Environmental/ Developer	Final design/ during construction	Section 5.14 5.14-11

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
101	Floodplains and drainage/hydrology	The potential ponding areas between Brighton Boulevard and Dahlia Street will be substantially impacted due to lowered profile of the highway	Build an offsite drainage system to reduce the risk of flooding within the lowered section of I-70, as well as the portion of the watershed between I-70 and the South Platte River	CDOT Engineering and Environmental/Developer	Final design/during construction	Section 5.14 5.14-11
102	Floodplains and drainage/hydrology	Impact to the Sand Creek floodplain with the proposed bridge construction and new bridge structures will cross this waterway	Design proposed bridge structures to cause no adverse impact to the Sand Creek floodplain	CDOT Engineering/Developer	Final design	Section 5.14 5.14-11
103	Wetlands, open waters, and other waters of the U.S.	4.442 acres of permanent and 0.244 acre of temporary wetland impacts 0.771 acre of permanent and 0.080 acre of temporary impacts to other waters of the U.S. and open waters	Mitigate unavoidable, permanent impacts at a 1:1 ratio in a wetland mitigation bank in the South Platte River watershed	CDOT Environmental/Developer	Pre-construction/during construction	Section 5.15 5.15-13
104	Wetlands, open waters, and other waters of the U.S.	4.442 acres of permanent and 0.244 acre of temporary wetland impacts 0.771 acre of permanent and 0.080 acre of temporary impacts to other waters of the U.S. and open waters	Obtain and follow requirements of Section 404 permitting and Senate Bill 40 certification	CDOT Environmental/Developer	Pre-construction/during construction	Section 5.15 5.15-13
105	Wetlands, open waters, and other waters of the U.S.	4.442 acres of permanent and 0.244 acre of temporary wetland impacts 0.771 acre of permanent and 0.080 acre of temporary impacts to other waters of the U.S. and open waters	Install temporary erosion control and sediment control BMPs before ground-disturbing activities; permanently stabilize completed areas within seven days	CDOT Environmental/Developer	Pre-construction/during construction	Section 5.15 5.15-13
106	Wetlands, open waters, and other waters of the U.S.	4.442 acres of permanent and 0.244 acre of temporary wetland impacts 0.771 acre of permanent and 0.080 acre of temporary impacts to other waters of the U.S. and open waters	Restore wetlands temporarily affected during construction to pre-construction conditions	CDOT Environmental/Developer	During construction	Section 5.15 5.15-13

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
107	Water quality	Stormwater runoff can create erosion and degradation of water quality during and after construction	<p>Implement the following BMPs for erosion and sediment control, dust control, stormwater control, and expansive soils during and after construction:</p> <ul style="list-style-type: none"> • Silt fences, erosion control blankets • Sediment traps, sediment basins • Soil stockpile management • Temporary diversion structures • Spill prevention and control measures • Regrading • Seeding and revegetating soils and slopes • Mulch protection for new plantings • Stormwater control channels 	CDOT Environmental/ Developer	Pre-construction/ during construction/ post-construction	Section 5.16 5.16-17
108	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Prevent over-treating by commencing liquid de-icer application at the beginning of snowfall and no longer pre-treating roads	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-17
109	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Apply sand/salt mixtures (30 percent/70 percent, respectively) at rates of 105 pounds to 115 pounds per lane mile, which is roughly one-third of the maximum allowable amount of 300 pounds per lane mile	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-17
110	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Use liquid de-icer products, such as magnesium chloride and Caliber (a mixture of magnesium chloride, cornstarch, alcohol, and tree sap); apply these products at rates of 40 pounds to 80 pounds per lane mile	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-17

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
111	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Completely remove sand/salt within the "core" sweeping area within four days of snow events, as per DRCOG and CDOT regulations; only 35 percent removal outside the "core" areas is required; for the past two years, it has been CDOT practice to remove all remaining sand/salt from the study area even though it is not in the "core" sweeping area—and CDOT will continue to do so	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-17
112	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Perform fleet upgrades that include on-board computers to track the amount of mixture being applied, as well as rates of application of de-icing materials; this technology prevents over-treating; the majority of the CDOT Region 1 fleet is currently equipped with these computers	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-17
113	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Use Ice Slicer, another solid mixture; this product is a sand/salt mixture with anti-corrosive additives and is applied at a rate of 100 pounds to 150 pounds per lane mile; this product is preferred over regular sand/salt mixtures because it produces less fugitive dust	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-18
114	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Stockpile solid mixtures at the I-70 and Havana Street CDOT maintenance facility; the mixtures are kept under domes to protect them from precipitation, which prevents water high in salts from running off into receiving waters	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-18
115	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Perform quality assurance audits on de-icing mixtures several times per year to ensure elevated levels of harmful anti-caking compounds are not found in the mixtures	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-18

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
116	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Train snowplow drivers annually, stressing the importance of meeting or exceeding water quality and air quality permit requirements	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-18
117	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Use temperature gauges built into trucks and roadway surfaces to assist with making decisions related to de-icing application rates and mixes	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-18
118	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Use vacuum sweepers, not side-cast sweepers, as part of ongoing fleet upgrades; trash within the right of way is picked up prior to each sweeping	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-17
119	Water quality	Winter maintenance activities use solutions and compounds that could lead to water quality issues from runoff	Rely on cameras/ITS systems to determine problem areas during each storm event	CDOT Maintenance/ Developer	During construction/ post-construction	Section 5.16 5.16-18
120	Water quality	Increase in runoff TSS loads of 11 percent to the South Platte River Increase in runoff TSS loads of 37 percent to Sand Creek	Provide permanent water quality control features (i.e., extended detention pond) as part of the project to treat stormwater runoff from the highway	CDOT Engineering and Environmental/ Developer	Final design/ during construction/ post-construction	Section 5.16 5.16-17
121	Water quality	Increase in runoff TSS loads of 11 percent to the South Platte River Increase in runoff TSS loads of 37 percent to Sand Creek	Consider environmentally friendly techniques to provide water quality treatment	CDOT Environmental/ Developer	Final design/ during construction/ post-construction	Section 5.16 5.16-17
122	Water quality	Increase in runoff TSS loads of 11 percent to the South Platte River Increase in runoff TSS loads of 37 percent to Sand Creek	Treat runoff entering the South Platte River and Sand Creek in conformance with CDOT's MS4 Permit and New Development and Redevelopment Program	CDOT Environmental/ Developer	Final design/ during construction/ post-construction	Section 5.16 5.16-17

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
123	Geology and soils	Excavation is anticipated to extend below the depth of groundwater from approximately the UPRR to Columbine Street	Prevent groundwater infiltration into the lowered section of the highway; install underdrain pipes below the pavement to drain any additional groundwater that still enters the lowered section	CDOT Engineering/ Developer	Final design/ during construction/ post-construction	Section 5.17 5.17-9
124	Geology and soils	Temporary impacts to groundwater during excavation	Dewater during the construction process	CDOT Engineering/ Developer	During construction	Section 5.17 5.17-9
125	Hazardous materials	28 hazardous materials sites affected; 703 acres of land disturbed	Before right-of-way acquisition, conduct a Phase I Environmental Site Assessment (Phase I) or initial site assessment for those properties identified for acquisition; based on these assessments, additional subsurface investigation may be required depending on the recognized environmental conditions identified and potential risk to the project	CDOT Environmental/ Developer	Prior to property acquisition	Section 5.18 5.18-19
126	Hazardous materials	28 hazardous materials sites affected; 703 acres of land disturbed	Avoid contaminated sites wherever practical; where unavoidable, initiate further site investigation and coordination with affected property owners	CDOT Engineering and Environmental/ Developer	Final design/ during construction	Section 5.18 5.18-19
127	Hazardous materials	28 hazardous materials sites affected, 703 acres of land disturbed	Follow <i>CDOT Standard Specifications for Road and Bridge Construction</i> , Section 250, Environmental, Health and Safety Management	CDOT Engineering and Environmental/ Developer	During construction	Section 5.18 5.18-19
128	Hazardous materials	Extensive excavation through a known landfill that contains contaminants	Follow Tri-County Health Department <i>Health and Safety Practices during Construction on or Near Former Landfills</i>	CDOT Environmental/ Developer	During construction	Section 5.18 5.18-19

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
129	Hazardous materials	28 hazardous materials sites affected, 703 acres of land disturbed	Conduct appropriate surveys for asbestos, lead-based paint, and universal wastes prior to demolition of any building structures and bridges or elevated structures; if these materials are encountered, remove them in accordance with applicable regulations and guidelines; if ACM is encountered, including buried utilities, follow CDOT Specification 250.07, Asbestos-Containing Material Management and CDOT Asbestos-Contaminated Soil Management Standard Operating Procedure; additionally, depending on the type of ACM, clean up this material in accordance with either Section 5.5 of the Solid Waste Regulations, or Regulation No. 8 of the Air Quality Control Commission Regulations	CDOT Environmental/ Developer	During property acquisition/during construction	Section 5.18 5.18-19
130	Hazardous materials	28 hazardous materials sites affected, 703 acres of land disturbed	Update contaminated sites search databases to reflect most recent records	CDOT Environmental/ Developer	Pre-construction/ during construction/ post construction	Section 5.18 5.18-19
131	Hazardous materials	28 hazardous materials sites affected, 703 acres of land disturbed	Prepare and implement a project-specific Health and Safety Plan and Materials Management Plan to address potential hazardous materials that are encountered during construction; these plans will consist of specific measures to protect worker and public health and safety, as well as programs to manage contaminated materials during construction	CDOT Environmental/ Developer	Pre-construction	Section 5.18 5.18-19
132	Hazardous materials	Construction at hazardous materials sites also may affect the construction budget and schedule, particularly if previously unidentified contamination is found	In the event that unknown contaminated media is encountered during construction, stop working until the contamination is properly evaluated and measures are developed to protect worker health and safety in accordance with the project-specific Health and Safety Plan and Materials Management Plan	CDOT Environmental/ Developer	During construction	Section 5.18 5.18-19

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
133	Hazardous materials	Construction activities at hazardous materials sites have the potential to spread soil or groundwater contamination	Implement standard construction measures for fugitive dust control, as well as stormwater erosion and sediment controls, to minimize the spread of contaminated soil; during the construction phase, require the Developer to file and abide by a dust management plan to minimize the effects of dust on surrounding communities; additionally, conduct air monitoring to determine whether dust control efforts are successful in preventing violations of air quality standards	CDOT Environmental/ Developer	During construction	Section 5.18 5.18-20
134	Hazardous materials	Construction activities at hazardous materials sites have the potential to spread soil or groundwater contamination	Obtain a CDPHE CDPS Construction Dewatering Permit, Remediation Activities Discharging to Surface Water or Construction Activities Discharging to Ground Water, as required, utilizing readily available data; the selected Developer will follow the permit requirements	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.18 5.18-20
135	Hazardous materials	Construction activities at hazardous materials sites have the potential to spread soil or groundwater contamination	If this alternative requires permanent dewatering, obtain and follow the necessary CDPS Dewatering Permits; under the temporary construction and permanent feature dewatering permits, treat and discharge source water onsite in accordance with the permit or characterize and remove source water offsite to a permitted disposal facility	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.18 5.18-20
136	Hazardous materials	Construction at hazardous materials sites also may affect the construction budget and schedule, particularly if previously unidentified contamination is found	Properly abandon and close monitoring wells or septic systems disturbed during construction activities in accordance with applicable regulations and guidelines; if existing monitoring wells are impacted during construction, the project will replace them, as necessary	CDOT Environmental/ Developer	Pre-construction/ during construction	Section 5.18 5.18-20
137	Utilities	Impacts to utilities from project activities	Minimize service disruptions by connecting to active utilities, and scheduling to coincide with periods of lower demand	CDOT Utilities/ Developer	During construction	Section 5.19 5.19-26

Exhibit 9-1 Preferred Alternative Mitigation Commitments

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
138	Utilities	Impacts to utilities from project activities	Encase or provide protective cover over any impacted underground utilities	CDOT Utilities/ Developer	During construction	Section 5.19 5.19-26
139	Utilities	Impacts to utilities from project activities	Coordinate with utility owners and operators to identify construction requirements and financial responsibilities for relocations	CDOT Utilities/ Developer	Pre-construction/ during construction	Section 5.19 5.19-26
140	Utilities	Impacts to utilities from project activities	Identify and improve any utility concerns that can be addressed as part of project implementation	CDOT Utilities/ Developer	Pre-construction/ during construction	Section 5.19 5.19-26
141	Utilities	Impacts to utilities from project activities	Integrate above-ground utilities that are impacted by the project into the design, hide them from sight within the design, and/or design them to be aesthetically pleasing to the greatest extent practical	CDOT Utilities/ Developer	Final design/ during construction	Section 5.19 5.19-26
142	Utilities	Impacts to utilities from project activities	Move above-ground utilities underground to the greatest extent practical	CDOT Utilities/ Developer	Final design/ during construction	Section 5.19 5.19-26
143	Section 4(f) and Section 6(f) – Recreation Resources	South Platte River Greenway temporary impacts may occur during construction	Provide adequate notice and signing to Greenway users prior to construction	CDOT Environmental/ Developer	During construction	Section 5.9 5.9-22
144	Section 4(f) and Section 6(f) – Recreation Resources	South Platte River Greenway temporary impacts may occur during construction	Return Greenway to pre-construction or comparable state following construction	CDOT Environmental/ Developer	During construction	Section 5.9 5.9-22
145	Section 4(f) – Recreation Resources	Use of Swansea Elementary School Public Playground	Use remnants of adjacent parcels obtained for right-of-way expansion to reconfigure the school site plan and replace all the playground facilities; this includes closing Elizabeth Street between 46th Avenue and 47th Avenue	CDOT Engineering/ Developer	During construction	Section 5.9 5.9-22 Chapter 7 7-105

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Responsible branch	Timing/phase of construction mitigation	Final EIS page number
146	Section 4(f) and Section 6(f) – Recreation Resources	Part of Globeville Landing Park will be closed during construction	Return to pre-construction or comparable state following construction	CDOT Environmental/ Developer	Pre-construction	Section 5.9 5.9-22 Chapter 7 7-106
147	Section 4(f) and Section 6(f) – Recreation Resources	Utility easement/access permit required and 0.3 acre will be converted to a drainage outfall/spillway in Globeville Landing Park	Replace 0.3 acre of land converted to a non-recreation use by the construction of the spillway in Globeville Landing Park and the utility easement/access permit area with in-kind land of at least current fair market value and reasonable equivalent usefulness and location and investigate the acquisition of land identified by Denver near Milstein Park for this replacement Conditional approval from CPW and NPS is anticipated before the ROD is completed. FHWA has indicated that approval, or lack of objection, at this point is sufficient for NEPA clearance. Near the end of construction, but before closing the project, a formal Section 6(f) conversion proposal will be submitted to the NPS by CPW. CDOT will prepare the request for CPW with their approval.	CDOT Environmental and Right of Way/ Developer	During construction	Section 5.9 5.9-22 Chapter 7 7-107
148	Section 4(f) – Historic Resources	Use of 18 historic resources, which includes 5 <i>de minimis</i> impact determinations	Adverse Effects to historic resources will be resolved by the execution of the Section 106 Programmatic Agreement between FHWA, CDOT, SHPO and consulting parties	CDOT Environmental	Pre-construction	Chapter 7 7-106
149	Section 4(f) – Historic Resources	Use of 18 historic resources, which includes 5 <i>de minimis</i> impact determinations	Consultation has discussed mitigation measures such as documenting historic structures and ways to preserve the larger history of the project corridor	CDOT Environmental	Pre-construction/ during construction	Chapter 7 7-106