

[Note to Proposers: At the time that this document is being released, the Record of Decision (“ROD”) for the Project has not been issued. This document is based on the assumption the findings of the ROD will be similar to what has been published in the Final Environmental Impact Statement (“FEIS”) and that the ROD and other Environmental Approvals will be secured. The actual Environmental Requirements and required Environmental Mitigations will be finalized in the ROD. Proposers are advised that there may be changes in this document when it is released as part of the final RFP.]

I-70 East Mitigation Measures Status

Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: Shall coordinate with RTD and include RTD Representative as member of the MOT Task Force. (Schedule 10, Section 2.2 - Maintenance of Traffic) CP Developer: Shall minimize RTD disruption and maintain RTD access. (Section 2.7) CP
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.	Developer: (Schedule 10, Section 2, Maintenance of Traffic, 2.7 RTD Transit System) CP, OP
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	Developer: Shall obtain required written specifications, standards of practice, and construction methods from the Railroads. CP, OP Developer: Shall comply with the requirements of the Railroad Agreements in performing the Construction Work. (Schedule 10, Section 10.2 Railroads) CP, OP

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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	Developer: Shall prepare a Transportation Management Plan (TMP) including Temporary Traffic Control Plan (TCP) and Transportation Operations (TOP) Strategies. (Schedule 10 Section 2.2) CP Developer: Shall involve all affected agencies in the development of the TMP and associated plans. (Schedule 10 Section 2.2.3) CP
5	Social and Economic Conditions	56 residential relocations and 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	Department: All relocations will be conducted in accordance with the Uniform Act. Developer: Acquisition of additional Right-of-Way and Temporary Easements shall be conducted in accordance with the Uniform Act (Schedule 18, Section 3.1.1 and Section 3.6.1) CP
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	Developer: Shall include pedestrian and bicycle requirements in the Temporary Traffic Control Plans (Schedule 10, Section 2.11.2) CP Developer: Shall include Safe Routes to School solutions; meeting the requirements included in the Safe Routes to School Online Guide (Schedule 10, Section 2.11.7) CP
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	Developer: Shall maintain emergency access and coordinate with emergency responders. (Schedule 10, Section 2, Maintenance of Traffic and Schedule 14, Strategic Communications) CP

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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	Developer: Shall adhere to Schedule 10, Section 2, Maintenance of Traffic, requirements to minimize construction-related traffic congestion. CP
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	Developer: Shall adhere to Schedule 10, Section 2, Maintenance of Traffic, requirements to maintain access to public services. CP
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	Developer: Shall implement Construction Work Communications Plan, Maintenance and Operations Communications Plan, and Crisis Communications Plan. (Schedule 14, Strategic Communications) CP
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	Developer: (Schedule 10, Section 2, Maintenance of Traffic, 2.7 RTD Transit System) CP
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	Developer: Shall maintain public and private access to the local street system (Schedule 10, Section 2.2.4 Temporary Traffic Control Plan Strategies) CP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: Shall adhere to Schedule 10, Section 14, Landscape and Aesthetics, and the Aesthetic and Design Guidelines, Schedule 29. CP
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	Department and Developer: Shall implement the Preferred alternative as described in the Record of Decision. CP
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	Department and Developer: Shall implement the Preferred alternative as described in the Record of Decision. CP Developer: Shall construct these project elements in accordance with the Project Agreement including the I-70 East Cover and Swansea Elementary School Master Plan, Schedule 29. CP
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	Department will perform this mitigation.

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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	Department: (Completed)
18	Environmental Justice	Potential for disturbing hazardous material sites during construction	Collect representative soil samples of 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	Developer: Shall implement Residential Properties Sampling Plan (Schedule 17, Section 23.17) CP
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	Details of how this mitigation will be implemented are still being developed and will be released in future update.
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	Details of how this mitigation will be implemented are still being developed and will be released in future update.

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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	Details of how this mitigation will be implemented are still being developed and will be released in future update.
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	Details of how this mitigation will be implemented are still being developed and will be released in future update.
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	Details of how this mitigation will be implemented are still being developed and will be released in future update.
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)	Details of how this mitigation will be implemented are still being developed and will be released in future update.
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	Details of how this mitigation will be implemented are still being developed and will be released in future update.
26	Environmental Justice	Increasing noise and dust during construction at the school	Provide a new HVAC system, doors, and windows for Swansea Elementary School	Department: (Planning in process.)
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	Department: (Planning in process.)

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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	Department: Enter into agreements with local jurisdictions to allow community and neighborhood activities on the new highway cover. Developer: Shall construct the Preferred Alternative as described in the Record of Decision. CP
29	Environmental Justice	Displacing Stop N Shop and Pilot Travel Center truck stop	Provide contributions to existing programs that facilitate access to fresh food	Details of how this mitigation will be implemented are still being developed and will be released in future update.
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	Department: Enter into agreements with Denver Public Schools for new playground plan and to allow playground activities on the new highway cover. Developer: Shall construct these project elements in accordance with the Project Agreement including the I-70 East Cover and Swansea Elementary School Master Plan, Schedule 29. CP
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	Details of how this mitigation will be implemented are still being developed and will be released in future update.
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	Department will perform this mitigation.

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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	Department: ROD and RFP will be developed in compliance with land use plans. Developer: Design changes that alter the ROD or RFP shall require all applicable New Environmental Approvals. Schedule 17, Section 9. CP
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	Department: All relocations will be conducted in accordance with the Uniform Act. Developer: Acquisition of additional Right-of-Way and Temporary Easements shall be conducted in accordance with the Uniform Act (Schedule 18, Section 3.1.1 and Section 3.6.1) CP
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	Department: Will perform this mitigation for applicable properties identified in the ROD. Developer: Shall perform this mitigation for any additional properties that are acquired. CP
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	Department will perform this mitigation for applicable properties identified in the ROD. Developer: Shall perform this mitigation for any additional properties that are acquired.

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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	Department: Will perform this mitigation for applicable properties identified in the ROD. Developer: Shall perform this mitigation for any additional properties that are acquired.
38	Historic preservation	Adverse Effect—13 historic resources	Establish a Programmatic Agreement with SHPO and consulting parties (Completed and included in Attachment I)	Department: Will perform this mitigation for all applicable resources identified in the FEIS and ROD. Developer: Shall have responsibilities described in Schedule 17, Section 8, Required Environmental Approvals, if impacts exceed those described in the Department Provided Environmental Approvals. CP
39	Historic preservation	Adverse Effect—13 historic resources	Provide Level II archival documentation for adversely affected resources	Details of how this mitigation will be implemented are still being developed and will be released in future update.
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)	Department: Will perform this mitigation.

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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	Developer: Developer shall protect in place all identified historic resources that are to remain through the Construction Period. (Schedule 17, Section 12, Historic Resources.)
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	Department: Will facilitate communication with SHPO if Unexpected Historically Significant Remains are discovered. Developer will stop work in the area of discovery and protect the resource as required by the Programmatic Agreement and Schedule 17, Section 12, Historic Resources. CP, OP
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	Department: Will facilitate communication with SHPO if Unexpected Historically Significant Remains are discovered. Developer will stop work in the area of discovery and protect the resource as required by the Programmatic Agreement and Schedule 17, Section 12, Historic Resources. CP, OP
44	Paleontological	Increased potential for encountering paleontological resources in excavated bedrock of the Denver and Arapahoe Formations	Perform an intensive preconstruction paleontological survey	Department: Will perform this mitigation.
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	Developer: Shall perform this mitigation. (Schedule 17, Section 14, Paleontology) CP

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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	Developer: Shall perform this mitigation. (Schedule 17, Section 14, Paleontology) CP
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	Developer: Shall design and construct the project in accordance with Schedule 10, Section 14, Landscaping and Aesthetics, and with I-70 East Preferred Alternative Aesthetic + Design Guidelines, Schedule 29. CP
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	Developer: Shall design and construct the project in accordance with Schedule 10, Section 14, Landscaping and Aesthetics, and with I-70 East Preferred Alternative Aesthetic + Design Guidelines, Schedule 29. CP

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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	Developer: Shall design and construct the project in accordance with Schedule 10, Section 14, Landscaping and Aesthetics, and with I-70 East Preferred Alternative Aesthetic + Design Guidelines, Schedule 29. CP
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	Developer: Appropriate public notifications shall be provided. (Schedule 10, Section 2.11.19 Trail and Pedestrian Impacts) CP, OP
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	Developer: (Schedule 17, Section 15.1.3) CP
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	Developer: Shall construct these project elements in accordance with the Project Agreement including the I-70 East Cover and Swansea Elementary School Master Plan, Schedule 29.
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	Developer: (Schedule 10, Section 2.11.19 and Schedule 17, Section 15.1.2) CP
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	Developer: (Schedule 17, 15.1.3) CP
55	Parks and recreational resources	Part of Globeville Landing Park will be closed during construction	Return to pre-construction or comparable state following construction	Developer: (Schedule 17, 15.1.4) CP

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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)	<p>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</p> <p>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.</p>	<p>Department will perform this mitigation for all Globeville Landing impacts identified in the ROD for the Preferred Alternative.</p> <p>Developer: Shall have responsibilities described in Schedule 17, Section 8, Required Environmental Approvals, if impacts exceed those described in the Department Provided Environmental Approvals. CP</p>
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	Developer: Schedule 17, Section 10, Air Quality. CP
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	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP
59	Air quality	Construction fugitive dust could cause temporary impacts	Use wind barriers and wind screens to prevent spreading dust from the site	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP

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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	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP
61	Air quality	Construction fugitive dust could cause temporary impacts	Use vacuum-powered street sweepers to remove dirt tracked onto streets	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP
62	Air quality	Construction fugitive dust could cause temporary impacts	Cover all dump trucks leaving sites to prevent dirt from spilling onto streets	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP
63	Air quality	Construction fugitive dust could cause temporary impacts	Minimize disturbed areas, particularly in winter	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP
64	Air quality	MSAT emissions could increase temporarily during construction	Prohibit unnecessary idling of construction equipment	Developer: Shall comply with the idling restrictions and opacity requirements of the City and County of Denver's Code of Ordinances, including Chapter 4 Air Pollution Control, Article IV Mobile Sources. CP
65	Air quality	MSAT emissions could increase temporarily during construction	Locate construction diesel engines as far away as possible from residential areas	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP
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	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP
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	Developer: Schedule 17, Section 10.1.5 Diesel Nonroad Construction Equipment. CP

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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.	Developer: Schedule 17, Section 10, Air Quality. CP
69	Air quality	MSAT emissions could increase temporarily during construction	Install engine pre-heater devices to eliminate unnecessary idling for wintertime construction	Developer: Schedule 17, Section 10.1.5 Diesel Nonroad Construction Equipment. CP
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	Developer: Schedule 17, Section 10.1.5 Diesel Nonroad Construction Equipment. CP
71	Air quality	MSAT emissions could increase temporarily during construction	Require construction vehicle engines to be properly tuned and maintained	Developer: Schedule 17, Section 10.1.5 Diesel Nonroad Construction Equipment. CP
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	Developer: Shall include this BMP as part of the Air Quality Monitoring, Maintenance, and Mitigation Plan. CP
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	Developer: Post storm sweeping shall be performed as required by the Denver Regional Council of Governments (Schedule 11 Section 11.4, Table A-1 Item 17.1, and Table A-2 Item 17.1)
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	Developer: (Schedule 10, Section 11.5, Traffic Signalization)
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	Department: Will implement dynamic pricing or the managed lanes based on congestion levels.

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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	Developer: Shall develop and implement a TDM program to reduce travel demand and improve traffic operating conditions during the Construction Period. (Schedule 10, Section 2.2.5.g) CP
77	Energy	7,698 billion Btu consumed during construction	Limit idling of construction equipment	Developer: Shall comply with the idling restrictions and opacity requirements of the City and County of Denver's Code of Ordinances, including Chapter 4 Air Pollution Control, Article IV Mobile Sources. CP
78	Energy	7,698 billion Btu consumed during construction	Encourage employee carpooling and vanpooling for construction workers	Developer: Shall implement this mitigation. CP
79	Energy	7,698 billion Btu consumed during construction	Encourage use of closest material sources	Developer: Shall implement this mitigation. CP
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	Developer: Shall implement this mitigation. CP
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)	Developer: (Schedule 17, Section 10.1.3.a.viii) CP
82	Energy	7,698 billion Btu consumed during construction	Encourage use of alternative fuels and asphalt binders	Developer: Shall implement this mitigation where feasible. CP
83	Energy	7,698 billion Btu consumed during construction	Implement traffic management schemes that minimize delays and idling	Developer: (Schedule 10, Section 2 Maintenance of Traffic, 2.10 Maintenance of Traffic Analysis and Operations) CP

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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)	Developer: Shall adhere to CDOT's Lighting Design Guide for Department maintained lighting, and Excel's and Local Agency Guidelines for Local Agency maintained lighting. (Schedule 10A) CP, OP
85	Energy	70.0 billion Btu consumed per day	Encourage energy-efficient options for the cover facilities	Developer: Shall adhere to cover design guidelines and requirements. CP
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)	Developer: (Schedule 17, Section 11.5) CP
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	Developer: (Schedule 17, Section 11.3) CP
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	Developer: (Schedule 17, Section 11) CP

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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	Developer: Shall comply with Senate Bill 40 (Schedule 17, Section 17); shall comply with BTPD Policy (Schedule 17, Section 22); and shall comply Project Special Provision 240 (Schedule 17) CP
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	Developer: Schedule 17, Section 18. CP, OP
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	Developer: Schedule 17, Section 18.1.8. CP, OP
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	Developer: Schedule 17, Section 16; Schedule 17, Section 17. CP
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	Developer: Schedule 17, Section 23.
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	Developer: Project Special Provision 240 (Schedule 17) encourages Developer to remove or trim vegetation between September 1 and March 30.

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: If vegetation must be removed or trimmed from April 1 to August 30, the surveys and procedures of Project Special Provision 240 (Schedule 17) shall be followed.
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	Developer: Schedule 17, Project Special Provision 240.
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	Developer: Schedule 17, Project Special Provision 240.
98	Biological resources	368.3 acres of permanent, direct impact to wildlife habitat	Prepare and implement an Integrated Noxious Weeds Management Plan	Developer: Schedule 17, Section 19.
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	Developer: (Schedule 17, Sections 22.3 and 22.4) CP
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	Developer: Detention and Flood Control Ponds are required by CDOT's MS4 Permit and are specified in multiple locations in Schedule 10, Section 8 Drainage. CP
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	Developer: (Schedule 10, Section 8.4.9) CP
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	Note: The Sand Creek Bridge will not be reconstructed as part of this project. The I-270 flyover may encroach on Sand Creek floodplain. Developer: Shall obtain CLOMR and LOMR if required. (Schedule 10, Section 8.4.7) CP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: (Schedule 17, Section 22) CP
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	Developer: (Schedule 17, Section 21) CP
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	Developer: (Schedule 17, Sections 20 and 21) CP, OP
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	Developer: (Schedule 17, Section 21.1.6) CP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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 	Developer: (Schedule 17, Environmental Requirements, Schedule 10, Section 8, Drainage, and CDOT Standard Specifications)
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	Developer: Shall follow CDOT Guidance which advises against using liquids or solids on bare roads prior to precipitation. (CDOT Standard Operating Guide (SOG) for Winter Maintenance and Operations, August 2010.) CP, OP.
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	Developer: Shall also conform to the requirements of the Colorado Department of Public Health and Environment, Air Quality Control Commission's Regulation 16. (Schedule 17, Section 10.1.3; Schedule 11, Section 11.8) CP, OP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: Shall follow CDOT Guidance which advises against exceeding 80 gallons per lane mile. (CDOT Standard Operating Guide (SOG) for Winter Maintenance and Operations, August 2010.) CP, OP
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	Developer: Post storm sweeping shall be performed as required by the Denver Regional Council of Governments (Schedule 11 Section 11.4, Table A-1 Item 17.1, and Table A-2 Item 17.1)
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	Developer: Shall equip all winter operations spreading equipment with on board electronic Spreader control system designed to control the application of highway de-icing chemicals. (Schedule 11, Section 11.6) CP, OP
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	Developer: All de-icing and anti-icing chemical materials introduced into the Environment by Developer shall meet or exceed Pacific Northwest Snow Fighters (PNS) criteria, and materials used shall be materials identified on the PNS approved products list. (Schedule 11, Section 11.8) CP, OP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: All stockpiled material shall be managed in accordance with applicable permits including the requirements for Facility Runoff Control Measures (FRCM) referenced in the MS4 Permit. (Schedule 11, Section 2.2.4) CP, OP
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	Developer: De-icer sampling shall be performed in accordance with (CDOT Standard Operating Guide (SOG) for Winter Maintenance and Operations, August 2010.) CP, OP
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	Developer: Winter operations staff training shall include environmental compliance requirements. (Schedule 11, Section 11.9 Winter Operations Environmental Training) CP, OP
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	Developer: A Road Weather Information System (RWIS) shall be installed and utilized. (Schedule 10, Section 3.8.13; Schedule 11, Section 11) CP, OP
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	Developer: Shall comply will all air and water quality regulations. Specifications pertaining to side-cart sweepers are being developed.

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: Shall use all available resources to assess weather conditions and make decisions and direct actions that maintain the travel ways as safe as possible during and after the occurrence of any Precipitation Event. (Schedule 11, Section 11 Snow and Ice Services.) CP, OP
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	Developer: Shall comply with CDOT's MS4 Permit which includes requirement for Permanent Water Quality Control (Schedule 10, Section 8.3.3 and multiple additional locations) CP, OP
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	Developer: Shall design permanent water quality features for stormwater runoff to UDFCD Urban Storm Drainage Criteria Manual. (Schedule 10, Section 8.3.3i) CP, OP
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	Developer: (Schedule 10, Section 8, Drainage, and Schedule 17, Environmental Requirements.) CP, OP
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	Developer: Shall design, construct, and operate a system that prevents groundwater infiltration into the lowered section. (Schedule 10, Section 8, Drainage.) CP, OP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
124	Geology and soils	Temporary impacts to groundwater during excavation	Dewater during the construction process	Developer: The Developer shall be responsible for obtaining and will be the designated entity under all of the water quality permits related to construction activities. If required, the Developer shall obtain a Substitute Water Supply Plan from the Colorado Division of Water Resources for all temporary or permanent dewatering activities (Schedule 17, Section 20) CP
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 (ISA) 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	Department: The Department is completing Phase I Environmental Site Assessments and has completed a Limited Subsurface Investigation Report, which are included in Schedule 29. Developer: Shall complete any required Phase 1s beyond those that the Department has agreed to do and have been identified in Schedule 18 (Right-of-Way) CP
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	Developer: The Developer shall minimize impacts to hazardous materials sites. When unavoidable, the Developer shall follow the requirements specified in Schedule 17, Section 23. CP
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	Developer: The Developer is responsible for completing all work activities in accordance with the 250 Specification (Schedule 17, Section 23.1.2) CP, OP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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>	Developer: The Developer is responsible for coordinating with all Governmental Authorities and obtaining the required approvals (Schedule 17, Section 23.5) CP
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	Department: In accordance with Appendix A of Schedule 18, the Department is completing building surveys for Department assigned parcels. Developer: The Developer is responsible for completing building surveys for Developer assigned parcels in accordance with Schedule 18 Sections 2.2 and 2.3 and Schedule 17, Section 23.13 along with completing surveys for other elements (e.g., bridges) that will be impacted by construction activities in accordance with Schedule 17, Section 23.13. In areas with asbestos-contaminated soils, the Developer is responsible for following the requirements defined in Section 23.14. CP
130	Hazardous materials	28 hazardous materials sites affected, 703 acres of land disturbed	Update contaminated sites search databases to reflect most recent records	Department: As part of the Phase I Environmental Site Assessments that the Department is completing, updated database reports are being obtained. Developer: Shall be responsible for any reporting or notification with respect to RHMs required by Governmental Authorities (Schedule 17, Section 23.20.1.) CP, OP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: The Developer is responsible for the preparation and implementation of a project-specific Health and Safety Plan (Schedule 17, Section 23.110) and a Materials Management Plan (Schedule 17, Section 23.8). CP, OP
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	Developer: The Developer is responsible for completing work in accordance with Schedule 17, Section 23 and for developing and implementing a Materials Management Plan (Schedule 17, Section 23.8) and a Health and Safety Plan (Schedule 17, Section 23.110). CP, OP
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	Developer: The Developer is responsible for developing management plans and utilizing best management practices for fugitive dust control (Schedule 17, Section 10) and stormwater erosion (Schedule 17, Section 20). CP, OP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: The Developer is responsible for the permitting, treatment, management and disposal related to water quality in accordance with Schedule 17, Section 23.4 and for approvals related to consumptive use in accordance with Schedule 17, Sections 20.1.9 and 20.1.10. CP, OP
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	Developer: The Developer is responsible for the permitting, treatment, management and disposal related to water quality and Consumptive Use in accordance with Schedule 17, Section 20.1.9, 20.1.10, and 23.4. CP, OP
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	Developer: The Developer is responsible for abandoning or relocating monitoring wells in accordance with Schedule 17, Section 23.20.2 and for abandoning and closing septic systems in accordance with Schedule 18, Sections 2.2 and 2.3. CP
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	Developer: Shall use Reasonable Efforts to anticipate and avoid Utilities, and to otherwise minimize and/or mitigate the consequences of Utility Work. (Schedule 10 Section 4, Utilities) CP, OP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
138	Utilities	Impacts to utilities from project activities	Encase or provide protective cover over any impacted underground utilities	Developer: Except as otherwise provided in the applicable URA or Utility Work Order, all Utility Work furnished or performed by the Developer shall comply with the relevant Utility Owner's Utility Relocation standards. The Developer shall obtain all such written specifications, standards of practice, and construction methods and other information and materials constituting the Utility Relocation standards from the Utility Owners. (Schedule 10, Section 4.2.13, Utilities) CP
139	Utilities	Impacts to utilities from project activities	Coordinate with utility owners and operators to identify construction requirements and financial responsibilities for relocations	Developer: Shall coordinate and cooperate with the Department and the Utility Owners to ensure that all Utility Relocations and all Utility Work is performed in accordance with the applicable URA and Utility Work Order. (Schedule 10 Section 4, Utilities) CP
140	Utilities	Impacts to utilities from project activities	Identify and improve any utility concerns that can be addressed as part of project implementation	Developer: Shall be responsible for coordinating with Utility Owners in relation to the performance of all Utility Work. (Schedule 10 Section 4, Utilities) CP
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	Developer: Shall coordinate with Utility Owners and CDD to underground portions of the distribution system. (Utility Matrix and Preliminary Utility Plans, Schedule 29) CP
142	Utilities	Impacts to utilities from project activities	Move above-ground utilities underground to the greatest extent practical	Developer: Shall coordinate with Utility Owners and CDD to underground portions of the distribution system. (Utility Matrix and Preliminary Utility Plans, Schedule 29) CP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	Developer: (Schedule 10, Section 2, Maintenance of Traffic, 2.11.18 Trail and Pedestrian Impacts.) CP
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	Developer: (Schedule 17, Section 15, Parks and Recreation.) CP
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	Developer: (Schedule 10, Section 14, Landscape and Aesthetics, Schedule 17, Section 15, Parks and Recreation, and Schedule 29, I-70 East Cover and Swansea Elementary School Master Plan) CP
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	Developer: (Schedule 17, Section 15, Parks and Recreation, and Schedule 29 Globeville Landing Outfall Project Phase 1 and Phase 2.) CP

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Mitigation #	Mitigation category	Impact from Final EIS	Mitigation commitment	Status/Resolution
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	<p>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</p> <p>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.</p>	<p>Department: Will perform off-site mitigation required for identified 6(f) impacts.</p> <p>Developer: Shall secure required New Environmental approvals if impacts exceed those identified in FEIS and ROD. (Schedule 17, Section 12, Historic Resources, and Section 15, Parks and Recreation.) CP</p>
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 are resolved by the execution of the Section 106 Programmatic Agreement between FHWA, CDOT, SHPO and consulting parties (see Attachment I, Programmatic Agreement)	<p>Department: Has procured Programmatic Agreement.</p> <p>Developer: Shall perform mitigations stipulated by the Programmatic Agreement as defined in Schedule 17, Section 12, Historic Resources. CP, OP</p>
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	Developer: Responsibilities regarding this mitigation commitment are defined in Schedule 17, Section 12, Historic Resources. CP, OP