

SCHEDULE H CLIMATE CHANGE AND ENVIRONMENTAL JUSTICE IMPACTS

1. Consideration of Climate Change and Environmental Justice Impacts.

The Recipient states that rows marked with “X” in the following table are accurate:

X	The Project directly supports a Local/Regional/State Climate Action Plan that results in lower greenhouse gas emissions. <i>(Identify the plan in the supporting narrative below.)</i>
	The Project directly supports a Local/Regional/State Equitable Development Plan that results in lower greenhouse gas emissions. <i>(Identify the plan in the supporting narrative below.)</i>
	The Project directly supports a Local/Regional/State Energy Baseline Study that results in lower greenhouse gas emissions. <i>(Identify the plan in the supporting narrative below.)</i>
X	The Recipient or a project partner used environmental justice tools, such as the EJSCREEN, to minimize adverse impacts of the Project on environmental justice communities. <i>(Identify the tool(s) in the supporting narrative below.)</i>
	The Project supports a modal shift in freight or passenger movement to reduce emissions or reduce induced travel demand. <i>(Describe that shift in the supporting narrative below.)</i>
	The Project utilizes demand management strategies to reduce congestion, induced travel demand, and greenhouse gas emissions. <i>(Describe those strategies in the supporting narrative below.)</i>
	The Project incorporates electrification infrastructure, zero-emission vehicle infrastructure, or both. <i>(Describe the incorporated infrastructure in the supporting narrative below.)</i>
X	The Project supports the installation of electric vehicle charging stations. <i>(Describe that support in the supporting narrative below.)</i>
	The Project promotes energy efficiency. <i>(Describe how in the supporting narrative below.)</i>
	The Project serves the renewable energy supply chain. <i>(Describe how in the supporting narrative below.)</i>
X	The Project improves disaster preparedness and resiliency <i>(Describe how in the supporting narrative below.)</i>

X	The Project avoids adverse environmental impacts to air or water quality, wetlands, and endangered species, such as through reduction in Clean Air Act criteria pollutants and greenhouse gases, improved stormwater management, or improved habitat connectivity. <i>(Describe how in the supporting narrative below.)</i>
	The Project repairs existing dilapidated or idle infrastructure that is currently causing environmental harm. <i>(Describe that infrastructure in the supporting narrative below.)</i>
	The Project supports or incorporates the construction of energy- and location-efficient buildings. <i>(Describe how in the supporting narrative below.)</i>
X	The Project includes recycling of materials, use of materials known to reduce or reverse carbon emissions, or both. <i>(Describe the materials in the supporting narrative below.)</i>
	The Recipient has taken other actions to consider climate change and environmental justice impacts of the Project. <i>(Describe those actions in the supporting narrative below.)</i>
	The Recipient has not yet taken actions to consider climate change and environmental justice impacts of the Project but, before beginning construction of the Project, will take relevant actions described in schedule B. <i>(Identify the relevant actions from schedule B in the supporting narrative below.)</i>
	The Recipient has not taken actions to consider climate change and environmental justice impacts of the Project and will not take those actions under this award.

2. Supporting Narrative.

Climate Plan

The Project directly supports Colorado's Climate Action Plan, which has become the Colorado Greenhouse Gas Pollution Reduction Roadmap (January 14, 2021) and is available here: <https://www.codot.gov/programs/environmental/greenhousegas/assets/co-ghg-pollution-reduction-roadmap.pdf>. The project will result in lower greenhouse gas emissions by

- Providing an Express Lane to allow for reliable travel times and less I-70 congestion, which will reduce vehicle miles traveled with less diversion onto local and frontage roads;

- Improving transit operations and access with a new transit stop that supports higher occupancy travel and reduces vehicle miles, supports CDOT shuttle use of the new Floyd Hill Express Lane and existing Mountain Express Lane during construction and beyond, and improves transit operations for all providers in coordinating use of the new Express Lane;
- Installing EV infrastructure at the new transit stop parking lot;
- Enhancing the multimodal Clear Creek Greenway trail by resurfacing and aligning it for ADA compliance.

Environmental Justice

The project team used US Census Data to determine the presence of environmental justice communities and then used EJSCREEN to confirm the results. Environmental justice populations are located at the western end of the project area in the eastern portion of Idaho Springs. A noise wall will be constructed in that area to reduce adverse impacts of traffic noise.

Disaster Preparedness and Resiliency

The project improves disaster preparedness and resiliency by addressing rockfall, landslides, and debris flow with an elevated highway through Clear Creek Canyon that moves the interstate farther above grade and away from the steep canyon walls; connecting the frontage road to provide a redundant route when natural disasters disrupt highway travel; incorporating catchment areas and fencing to reduce rockfall and debris flow risks; and installing wildlife crossings and fencing to reduce wildlife-vehicle collisions and facilitate safe wildlife movements.

Environmental Impacts to Air or Water Quality, Wetlands, and Endangered Species

The project includes numerous enhancements that will substantially improve environmental conditions in the project area, including:

- Reducing Clean Air Act criteria pollutant and greenhouse gas emissions as discussed above.
- Improving stormwater management and water quality through the installation of control measures, such as drainage swales and ponds.
- Avoiding impacts to high-quality wetlands at the top of Floyd Hill and direct impacts to Clear Creek. The project includes approximately 10 acres of riparian restoration and enhancement areas and is partnering with state and federal water and wildlife agencies to improve stream health and habitat.
- Improving terrestrial wildlife habitat connectivity by including wildlife crossings, installing benches underneath bridges for wildlife movement, and removing the highway from the canyon and creek to restore wildlife habitat and movement along Clear Creek under the interstate.

Recycling

The project will reuse as much of the excavated rock as possible in construction. There will be more excess rock than can be reused, so that rock will be taken to a nearby gravel pit to reduce hauling distance. The project will allow recycled asphalt pavement to be used for asphalt base course.

SCHEDULE I
RACIAL EQUITY AND BARRIERS TO OPPORTUNITY

1. Efforts to Improve Racial Equity and Reduce Barriers to Opportunity.

The Recipient states that rows marked with “X” in the following table are accurate:

X	A racial equity impact analysis has been completed for the Project. <i>(Identify a report on that analysis or, if no report was produced, describe the analysis and its results in the supporting narrative below.)</i>
X	The Recipient or a project partner has adopted an equity and inclusion program/plan or has otherwise instituted equity-focused policies related to project procurement, material sourcing, construction, inspection, hiring, or other activities designed to ensure racial equity in the overall delivery and implementation of the Project. <i>(Identify the relevant programs, plans, or policies in the supporting narrative below.)</i>
	The Project includes physical-barrier-mitigating land bridges, caps, lids, linear parks, and multimodal mobility investments that either redress past barriers to opportunity or that proactively create new connections and opportunities for underserved communities that are underserved by transportation. <i>(Identify the relevant investments in the supporting narrative below.)</i>
X	The Project includes new or improved walking, biking, and rolling access for individuals with disabilities, especially access that reverses the disproportional impacts of crashes on people of color and mitigates neighborhood bifurcation. <i>(Identify the new or improved access in the supporting narrative below.)</i>
	The Project includes new or improved freight access to underserved communities to increase access to goods and job opportunities for those underserved communities. <i>(Identify the new or improved access in the supporting narrative below.)</i>
	The Recipient has taken other actions related to the Project to improve racial equity and reduce barriers to opportunity. <i>(Describe those actions in the supporting narrative below.)</i>
	The Recipient has not yet taken actions related to the Project to improve racial equity and reduce barriers to opportunity but, before beginning construction of the Project, will take relevant actions described in schedule B. <i>(Identify the relevant actions from schedule B in the supporting narrative below.)</i>
	The Recipient has not taken actions related to the Project to improve racial equity and reduce barriers to opportunity and will not take those actions under this award.

2. Supporting Narrative.

Racial Equity Impact Analysis

The project team conducted a thorough environmental justice impact analysis, which included a racial analysis. The document can be found at:

<https://www.codot.gov/projects/i70floydhill/assets/ea/appendixa/floyd-hill-titlevi-and-ej.pdf>.

Equity and Inclusion Program/Plan

Equity-focused policies related to project procurement, material sourcing, construction, inspection, hiring, or other activities have been included in the project to ensure racial equity in the overall delivery and implementation of the Project. Both the contractor and CDOT have diversity, equity, and inclusion programs to encourage participation by underserved communities and persons in subcontracting, hiring, material sourcing.

The Environmental Justice and Equity Branch within CDOT is charged with identifying and addressing technological, language, and information barriers that may prevent disproportionately impacted communities from participating fully in transportation decisions that affect health, quality of life, and access for disadvantaged and minority businesses in project delivery.

Physical-Barrier-Mitigation and Improved Walking/Biking/Rolling Access

The Clear Creek Greenway currently has a non-ADA compliant section. This project will expand and enhance the Greenway with the addition of ADA-compliant trail improvements, which will provide new or improved walking, biking, and rolling access to all, including those with disabilities.