CSS Flow Chart

Context Statement

The Floyd Hill highway segment is the gateway to the Rocky Mountains from the Denver metro area. Floyd Hill marks a physical transition in both landscape and land use as it rises out of the hustle and bustle of Denver's urban edge and then drops into the quieter, clustered, mountain communities and natural ecosystems of Clear Creek.

Floyd Hill is a significant ridge line when traveling west from Denver along I-70, and it is the connection between Jefferson, Gilpin and Clear Creek Counties. In addition to being part of a regional transportation network that traverses the Rocky Mountains and supports various recreational, economic, commercial and defense networks, Floyd Hill is also a critical point of access for local community members and residents who rely on this roadway for local travel and connection to other communities – with limited alternative routes available due to the mountainous terrain.

Floyd Hill is the entry point to the I-70 Mountain Corridor communities' rich natural and historic heritage and thriving tourist attractions. Visitors from around the world come to recreate in the Arapaho-Roosevelt National Forest, the third busiest National Forest in the United States, to experience world-class cycling, hiking, rafting, skiing, hunting, fishing, climbing, and other recreational opportunities in the region. There is a strong desire among Floyd Hill stakeholders to preserve and protect wildlife, habitat and natural features along with the unique small mountain-town aesthetics and historical landmarks.

Current Floyd Hill roadway geometry includes steep grades, tight corners, narrow shoulders and limited sight distance. Additionally, Floyd Hill presents unique management challenges due to weather-related events, including snow, wind, and fog. Highway Improvements are needed to facilitate smooth, safe and efficient transportation. The improvements should be designed and constructed in a manner that respects the environmental, historical, community and recreational resources of Floyd Hill.

Core Values	Critical Issues	Evaluation Questions *Does the alternative…*	Measures of Success
Safety	• Emergency Operations • Community Operations / Preference • Design Considerations • Truck Operations • Traffic Conflicts • Traffic Operations	Accommodate emergency access and response?	• Emergency Parking • Response Time • High School Evacuation • Commitment in the ROD • Resident Evacuation • Alternative Routes • Correlate with Incident Management Plan • Truck Turn Around
		Address safety needs of non-vehicular traffic?	• Reduction in auto conflicts with bikes, pedestrrians, rafting, fishing • Number of multi-use opportunities with Greenway, Central City Pkwy, US 40
		Address safety of the traveling public and the community?	• School bus movements • Truck turn around • Neighborhood traffic movements?
		Address safety of the traveling public and trucks?	• How are trucks accommodated • Number and severity of variances • Correlate with Incident Management Plan
		Improve traffic operations at interchanges?	• Measure taken to reduce number of neighborhood traffic conflicts
Mobility & Accessibility	• Local Mobility • Traffic Conflicts • Regional Mobility • Recreation Access • Traffic Management	Improve mobility and reliability?	• Neighborhood traffic conflicts • Ease of circulation on roadway network including local businesses, residents and regional travel
Implementability	• Constructability • Construction Impact	Create infrastructure investments that are reasonable to construct and provide the best value for their life cycle, function and purpose?	• Estimated Cost / Predicted life cycle and consistency with CSS values
		Minimize construction impacts to the community and traveling public?	• Length of time • Community access • Impacts to existing roadway networks
Community	• Land Use	Support Private development and economic development opportunities?	• How is future land use accommodated at Floyd hill • How is future private and economic development accommodated
Recreation	• Community Preference • Multi Use • Recreation Access	Meet Community Preference?	• Does the Greenway stay in place?
		Support / enhance quality recreation access and facilities by meeting local / regional standards / objectives?	• Multi-use including: - Greenway - bicycle - pedestrian - fishing - rafting - US 40 - Truck Parking
Environment	• Hazard • Preservation / Restoration • Water Quality • Wildlife	Minimize conflicts with geological hazards?	• Avoidance of hazards - Rockslide - Mining and mill waste
		Protect Clear Creek, the fishery resource and water quality?	• Meet SWEEP recommendations • Area of wetlands impacted / replaced • Water Quality maintained / enhanced
		Protect / enhance wildlife?	• Meet ALIVE and CPW recommendations
Engineering Criteria & Aesthetic Guidelines	• Aesthetics • Design Considerations	Meet I-70 Design Criteria and Aesthetic Guidance?	• What are the CSS engineering variances • How does it adhere to the guidelines and how dramatically does it not adhere
Sustainability	• Sustainability	Meet the needs of the present without compromising the future?	• Environmental improvements vs. status quo
Historic Context	• Preservation / Restoration	Protect historic and archeological resources?	• Quantify historic resource impacts based on 106 ITF
Decision Making	• Adherence to Past Agreements • Land Use • Design Considerations	Adhere to the previous plans, studies and agreements?	• Consistency with plans • Support ROD - Frontage Road - Greenway - Adherence to CSS Process