

I-70 Chain Station Phase 2 Matrix
Draft 3/5/08

EB/ WB	Location	Frequency of Use		Safety Considerations			Constraints	Yes/No	New Signage on Project (Yes/No)	Workshop Comments on Lighting	Comments
		Chain Law Events/Yr (L/M/H)	Trucks/Event (L/M/H)	Separated/Non-separated	Potential Speed Differential (L/M/H)	Sight Distance (L/M/H)					
EASTBOUND											
EB	MP 177 (Chain-up)	High	High	Non-separated	Medium	High	Existing Fiber Optic	No	No	Consider retro-fitting to new light standard design concept	Lighting already exists. Retrofitting existing lighting with lower-watt luminaires would be in the future. If necessary, lighting control (to turn on lights only during chain law) is a top priority.
							Power Availability	Yes			
							Exposed to Runaway Trucks	No			
							Wildlife	No			
							Right-of-Way Constrained	Yes			
							Environmental	No			
							Physical Constraints	Yes			
EB	MP 183 (Chain-up)	High	Medium	Non-separated	Medium	Medium	Existing Fiber Optic	Expected	No	No critical issues	Very narrow site. Could see more use after it is lighted.
							Power Availability	Yes			
							Exposed to Runaway Trucks	No			
							Wildlife	No			
							Right-of-Way Constrained	Yes			
							Environmental	No			
							Physical Constraints	Yes			
EB	MP 184 (Chain-up)	High	Medium	Non-separated	Medium	Medium	Existing Fiber Optic	Expected	Signing only	No lighting in 2008. No power source.	No lighting is planned for this site until power is made available on West Vail Pass. Due to economic feasibility, this is not expected in the foreseeable future.
							Power Availability	Solar for signing			
							Exposed to Runaway Trucks	No			
							Wildlife	No			
							Right-of-Way Constrained	Yes			
							Environmental	No			
							Physical Constraints	Yes			
EB	MP 187 (Chain-up)						Existing Fiber Optic		No	Nothing until wildlife study is completed.	This site is being eliminated. Site of wildlife overpass; too close to top of Pass.
							Power Availability				
							Exposed to Runaway Trucks				
							Wildlife				
							Right-of-Way Constrained				
							Environmental				
							Physical Constraints				
EB	MP 195 Copper Mtn. (Chain-down)	High	High	Non-separated	Medium	Low	Existing Fiber Optic	Expected	Yes	Light	
							Power Availability	Yes			
							Exposed to Runaway Trucks	Yes			
							Wildlife	No			
							Right-of-Way Constrained	Yes			
							Environmental	Wetlands			
							Physical Constraints	Yes			

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EB	MP 203 Frisco (Chain-up and -down)	Medium	Medium	Separated	N/A	N/A	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes Yes No No Yes No Yes	No	Separated. How much is it used?	
EB	MP 205 Silverthorne (Chain-up)	High	High	Non-separated	Low	High	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes Yes No No Yes No Yes	No	Not separated, high use, high priority	
EB	MP 219 Herman Gulch (Chain-down)	High	High	Non-separated	High	Low	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes Yes Yes Lynx No No No	No	Separate before lighting. Need to develop an ultimate plan.	Interim lighting could be provided. All lighting except foundations could be reused. Obtained Biological Opinion that Lynx will not be adversely affected by lighting project. Mitigation required.
EB	MP 228 Georgetown (Chain-down)	High	High	Non-separated	High	High	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes Yes Yes No No No No	No	Look at operations and light to support improved operations.	Will further investigate weaving operations and potential for separation.
EB	MP 241 West Side of Twin Tunnel (Chain-up)						Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints		No	Priority	Will be lighted by high mast lights for tunnel approach lighting project
EB	MP 251 El Rancho (Chain-up and -down)	Low	Low	Non-separated	Medium	Low	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes Yes No No Yes No Yes	No	Lower use	

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WESTBOUND											
WB	MP 177 Vail (Chain-down)	High	High	Non-separated	High	High	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	No Yes No No Yes No Yes	Yes	Work with the Town of Vail and homeowner association.	Chain station being constructed in 2008 under separate project. Signing part of that project too. Lighting is not part of that project.
WB	MP 196 Near Copper Mtn. (Chain-up)	High	High	Separated	N/A	N/A	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Expected Yes No No No No No	Yes	Light it	
WB	MP 213 west of EJMT (Chain-down)	High	Low	Separated	N/A	N/A	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes Yes No No No No No	No	Used a lot. Should light for multi use. Move location out of slide path. Consider impacts to wildlife.	Scheduled for construction in 2009
WB	MP 219 Herman Gulch (Chain-up)	High	High	Non-separated	Medium	High	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes Yes No Lynx Yes No Yes	Yes	Low priority. Need to develop and ultimate plan.	Obtained Biological Opinion that Lynx will not be adversely affected by lighting project. Mitigation required.
WB	MP 221 West of Bakerville (Chain-up)	High	High	Non-separated	Medium	Low	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental	Yes Yes No No Yes No	Yes	Low priority. Wildlife issues. Requires further consideration.	Need to understand what further consideration is necessary and why it was judged a low priority.
WB	MP 223 East of Existing VMS (Chain-up)	High	High	Non-separated	Medium	Low	Existing Fiber Optic Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental	Yes Yes No No Yes No	No	Lighting would be beneficial to support operations and use.	

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WB	MP 228 Georgetown (Chain-up)	High	High	Separated	N/A	N/A	Existing Fiber Optic	Yes	No	High priority		
							Power Availability	Yes				
							Exposed to Runaway Trucks	No				
							Wildlife	No				
							Right-of-Way Constrained	No				
							Environmental	No				
							Physical Constraints	No				
WB	MP 254 Buffalo Overlook (Chain-up and -down)	Medium	Medium	Separated	N/A	N/A	Existing Fiber Optic	Yes	No	Priority		
							Power Availability	Yes				
							Exposed to Runaway Trucks	No				
							Wildlife	No				
							Right-of-Way Constrained	No				
							Environmental	No				
							Physical Constraints	No				
WB	MP 260 C470WB (Chain-up)	Medium	Low	Non-separated	High	Medium	Existing Fiber Optic		No	Contact Region 6	As a secondary site in Region 6, this site will be deferred along with MP 263WB Denver West.	
							Power Availability					
							Exposed to Runaway Trucks					
							Wildlife					
							Right-of-Way Constrained					
							Environmental					
							Physical Constraints					
WB	MP 263WB Denver West (Chain-up)	Medium	Low	Non-separated	High	Low	Existing Fiber Optic		No	Contact Region 6	Due to concerns over lighting in residential areas and because no contact has been made with resi- dents yet, this site will be deferred to a later time.	
							Power Availability					
							Exposed to Runaway Trucks					
							Wildlife					
							Right-of-Way Constrained					
							Environmental					
							Physical Constraints					