I-70 Mountain Corridor CSS Partnerships Powered by Context

		I-70 Chain Station Phase 2 Matrix Draft 3/20/08												
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		Use	Considera	tions	Safety	Considerat	tions	Other Considerat	ions					
EB/ WB	Location	Chain Law Events/Yr (L/M/H)	Trucks/ Event (L/M/H)	Time to install/ remove chains (L/H)	Separated/ Non- separated? (existing)	Speed of Adjacent Traffic (L/M/H)	Sight Distance (L/M/H)	Issue Present?	Yes/No	Worksl Comm Lightin				
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EB	MP 177 (Chain-up)	High	High	High	Non-separated	Medium	High	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental	No No Yes No No Yes No	Conside to new li design c				
								Physical Constraints	Yes					
EB	MP 183 (Chain-up)	High	Medium	High	Non-separated	Medium	Medium	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife	Expected No Yes No No	No critic				
								Right-of-Way Constrained	Yes					
								Environmental	No					
								Physical Constraints	Yes					
EB	MP 184	High	Medium	High	Non-separated	Medium	Medium	Existing Fiber Optic	Expected					
	(Chain-up)							This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained	Signing or Solar for s No No Yes					
								Environmental	No					
EB	MP 187 (Chain-up)							Physical Constraints Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks	Yes	Nothing study is				
								Wildlife Right-of-Way Constrained Environmental Physical Constraints						
EB	MP 195 Copper Mtn. (Chain-down)	High	High	Low	Non-separated	Medium	Low	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks	Expected Yes Yes Yes	Light				
								Wildlife Right-of-Way Constrained	No Yes					



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der retro-fitting	Low priority. Lighting already exists.
light standard	Retrofitting existing lighting with
concept	lower-watt luminaires would be in
	the future. It has been confirmed
	that lights are manually controlled
	to operate only when the chain
	law is in effect.
ical issues	Medium priority. Has medium usage,
	typically only in late/early seasor
	storms. High cost of providing
	power for few spaces and moderate
	usage yields low cost-effective-
	ness. Due to power issues and
	close proximity, MP 183 and
	MP 184 are considered together.
nting in 2008. No	Medium priority. Has medium usage,
source.	typically only in late/early season
	storms. 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 forseeable
(1. 1.11) (-	future. Combined with MP 183.
g until wildlife	This site is being eliminated. Site of
s completed.	wildlife overpass; too close to top
	of Pass.
	High priority. Only chain down for
	East Vail Pass.

					I-70	0 Chain Sta Drat	tion Phase t 3/20/08	2 Matrix		
		Use	Considerations		Safety Considerations		Other Considerations			
EB/ WB	Location	Chain Law Events/Yr (L/M/H)	Trucks/ Event (L/M/H)	Time to install/ remove chains (L/H)	Separated/ Non- separated? (existing)	Speed of Adjacent Traffic (L/M/H)	Sight Distance (L/M/H)	Issue Present?	Yes/No	Worksh Comme Lighting
								Environmental Physical Constraints	Wetlands Yes	

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					I-7	0 Chain Sta Dra	ation Phase ft 3/20/08	2 Matrix		
		Use	Considera	tions	Safety	Considerat	tions	Other Considerat	ions	
EB/ WB	Location	Chain Law Events/Yr (L/M/H)	Trucks/ Event (L/M/H)	Time to install/ remove chains (L/H)	Separated/ Non- separated? (existing)	Speed of Adjacent Traffic (L/M/H)	Sight Distance (L/M/H)	Issue Present?	Yes/No	Worksh Comme Lighting
EB	MP 203 Frisco	Medium	Medium	High	Separated	N/A	N/A	Existing Fiber Optic	Yes	Separate
	(Chain-up and -down)							This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental	No Yes No No Yes No	is it used
								Physical Constraints	Yes	
EB	MP 205 Silverthorne (Chain-up)	High	High	High	Non-separated	Medium	High	Existing Fiber Optic This project install signing? Power Availability	Yes No Yes	Not sepa use, high
								Exposed to Runaway Trucks Wildlife	No No	
								Right-of-Way Constrained	Yes	
								Environmental	No	
								Physical Constraints	Yes	
EB	MP 219 Herman Gulch (Chain-down)	High	High	Low	Non-separated	High	Low	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental	Yes No Yes Yes Lynx No No	Separate ing. Need an ultima
								Physical Constraints	No	
EB	MP 228 Georgetown (Chain-down)	High	High	Low	Non-separated	High	High	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife	Yes No Yes Yes No	Look at o and light improved
								Right-of-Way Constrained	NO	
								Environmental Physical Constraints	No No	
EB	MP 241 West Side of Twin Tunr	High	High	High	Non-separated	High	Medium	Existing Fiber Optic	Yes	Priority
	(Chain-up)							This project install signing? Power Availability Exposed to Runaway Trucks Wildlife	No Yes No No	
								Right-of-Way Constrained Environmental	Yes No	
								Physical Constraints	Yes	
EB	MP 251 El Rancho (Chain-up and -down)	Low	Low	High	Non-separated	Medium	Low	Existing Fiber Optic This project install signing? Power Availability	Yes No Yes	Lower us

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ated. How much	Medium priority. Has medium use.
ed?	Can be used as chain down for
	Vail Pass or chain up for Silver- thorne Hill and Straight Creek,
	depending on the storm. Is very
	important under certain conditions.
norotod high	Lligh priority. This is the primery
parated, high gh priority	High priority. This is the primary station for chaining up for Straight
	Creek.
ate before light-	High priority. This site is the primary
ed to develop	chain down EB from EJMT. Interim
nate plan.	lighting would address immediate
	safety needs while CDOT works with stakeholders to develop an ultimate
	plan. All lighting except foundations
	could be reused. Lighting project may
	move forward per the 2/29/08
	USFWS Biological Opinion Amendm.
t operations	Medium priority. Has high usage,
ht to support red operations.	but because of operational issues (weaving), more study is necessary
	before determining final config-
	uration. Lights have already been
	shifted east to reduce weaving
	conflict.
1	High priority. This is the only chain
,	up station for Floyd Hill.
use	Low priority. Has low usage due to
	it's location in between major
	hills. Can be used either as a

					I-7	0 Chain Sta Drat	tion Phase ft 3/20/08	2 Matrix		
		Use	Considera	Considerations		Considerat	Other Considerations			
EB/ WB	Location	Chain Law Events/Yr (L/M/H)	Trucks/ Event (L/M/H)	Time to install/ remove chains (L/H)	Separated/ Non- separated? (existing)	Speed of Adjacent Traffic (L/M/H)	Sight Distance (L/M/H)	Issue Present?	Yes/No	Worksh Comme Lighting
								Exposed to Runaway Trucks Wildlife Right-of-Way Constrained	No No Yes	
								Environmental Physical Constraints	No Yes	

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	chain down for Floyd Hill or a chain up for Mt. Vernon Canyon.

					I-7	0 Chain Sta		2 Matrix			
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		Use	Considera	tions	Safety	/ Considerat	tions	Other Considerations			
EB/ WB	Location	Chain Law Events/Yr (L/M/H)	Trucks/ Event (L/M/H)	Time to install/ remove chains (L/H)	Separated/ Non- separated? (existing)	Speed of Adjacent Traffic (L/M/H)	Sight Distance (L/M/H)	Issue Present?	Yes/No	Workshop Comments on Lighting	Comments
WES	TBOUND										
WB	MP 177 Vail (Chain-down)	High	High	Low	Non-separated	High	High	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks	No No Yes No	Work with the Town of Vail and homeowner association.	High priority. Only chain down forWest Vail Pass. Chain stationbeing constructed in 2008 underseparate project. Sign is also
								Wildlife Right-of-Way Constrained Environmental Physical Constraints	No Yes No Yes		part of that project. Lighting is not included in that project.
WB	MP 196 Near Copper Mtn. (Chain-up)	High	High	High	Separated	N/A	N/A	Existing Fiber Optic This project install signing?	Expected Yes	Light it	Medium priority. Is the only chain up station for East Vail Pass, but
								Power Availability Exposed to Runaway Trucks Wildlife	Yes No No		is already separate and has some minimal lighting.
								Right-of-Way Constrained Environmental Physical Constraints	No No No		
WB	MP 213 west of EJMT (Chain-down)	High	Low	Low	Separated	N/A	N/A	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife	Yes No Yes No No	Used a lot. Should light for multi use. Move location out of slide path. Consider impacts to wildlife.	Low priority. Already has moderate lighting. A separate improvement project is scheduled for 2009 which could install the lighting.
								Right-of-Way Constrained Environmental	No No		
			1.12 1-	L L'arts		Ma alla una	L L'auto	Physical Constraints	No		
WB	MP 219 Herman Gulch (Chain-up)	High	High	High	Non-separated	Medium	High	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife	Yes Yes Yes No Lynx	Low priority. Need to develop and ultimate plan.	High priority. One of the primarychain up stations for the grade up toEJMT. Interim lighting would addressimmediate safety needs whileCDOT works with stakeholders to
								Right-of-Way Constrained Environmental Physical Constraints	Yes No Yes		develop an ultimate plan. Lighting Project may move forward per the 2/29/08 USFWS Biological Opinion Amendment
WB	MP 221 West of Bakerville (Chain-up)	High	High	High	Non-separated	Medium	Low	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental	Yes Yes Yes No Yes Yes No	Low priority. Wildlife issues. Requires further consideration.	High priority. One of the primary chain up stations for the grade up to EJMT. Lighting project may move forward as per the 2/29/08 USFWS Biological Opinion Amendment.
WB	MP 223 East of Existing VMS (Chain-up)	High	High	High	Non-separated	Medium	Low	Existing Fiber Optic This project install signing? Power Availability	Yes No Yes	Lighting would be beneficial to support operations and use.	Medium priority. High use for grade to EJMT, but has fewer spaces. Herman Gulch and Bakerville take

					-7	0 Chain Sta Draf	tion Phase t 3/20/08	2 Matrix		
	3	Use	Considera	tions	Safety Considerations			Other Considerations		
EB/ WB	Location	Chain Law Events/Yr (L/M/H)	Trucks/ Event (L/M/H)	Time to install/ remove chains (L/H)	Separated/ Non- separated? (existing)	Speed of Adjacent Traffic (L/M/H)	Sight Distance (L/M/H)	Issue Present?	Yes/No	Worksh Comme
								Exposed to Runaway Trucks Wildlife Right-of-Way Constrained	No No Yes	
								Environmental	No	

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	the majority of the demand.

					-7	0 Chain Sta Dra	ntion Phase ft 3/20/08	2 Matrix		
		Use	Use Considerations			Considerat	tions	Other Considerations		
EB/ WB	Location	Chain Law Events/Yr (L/M/H)	Trucks/ Event (L/M/H)	Time to install/ remove chains (L/H)	Separated/ Non- separated? (existing)	Speed of Adjacent Traffic (L/M/H)	Sight Distance (L/M/H)	Issue Present?	Yes/No	Worksh Comme Lighting
WB	MP 228 Georgetown (Chain-up)	High	High	High	Separated	N/A	N/A	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes No Yes No No No No No	High prid
WB	MP 254 Buffalo Overlook (Chain-up and -down)	Medium	Medium	High	Separated	N/A	N/A	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints	Yes No Yes No No No No No	Priority
WB	MP 260 C470WB (Chain-up)	Medium	Low	High	Non-separated	High	Medium	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints		Contact
WB	MP 263WB Denver West (Chain-up)	Medium	Low	High	Non-separated	High	Low	Existing Fiber Optic This project install signing? Power Availability Exposed to Runaway Trucks Wildlife Right-of-Way Constrained Environmental Physical Constraints		Contact

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riority	High priority. Primary chain up for
	Georgetown Hill. This is the
	prototype station, so there is a
	desire to install lights to complete
	the prototype.
/	Medium priority. Gets medium use.
	Location is in between critical
	grade areas. Is already separated
	and is functioning moderately well.
ct Region 6	Low priority.
	As a secondary site in Region 6,
	this site will be deferred along with
	MP 263WB Denver West.
ct Region 6	Low priority.
	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.