

**Draft FASTER Safety Proposal
(FY10)**

Region	CATEGORY OR PROJECT	ESTIMATED AMOUNT	Early Ad Date*	Proposed Ad Date	FASTER SAFETY PROJECT CRITERIA			COMMENTS	COUNTY MPO/TPR	7th Pot Corridor Yes / No
					Crash Data**	Proactive Safety Improvements	Fix-It-First Improvements			
1	Intersection Improvements **	\$1,000,000			√	√				
	Various Region wide Run Off Road and Intersection Upgrades (Locations TBD)	\$1,000,000	February-10	February-10				Construct guardrail, rumble strips, and other improvement to prevent run-off-the-road accidents, as well as signal and intersection improvements at various locations.	All	No
1	ITS	\$1,350,000			√	√				
	I-70 West: Georgetown Hill Queue Detection	\$350,000	January-10	January-10				Install detection devices and a VMS to warn motorists of slow moving or stopped traffic.	Clear Creek / DRCOG	Yes
	I-70 West: EJMT to Silverthorne - Electronic Signing	\$1,000,000	December-09	December-09				Install detection devices, signs and weigh-in-motion equipment to manage truck speeds and the runaway truck ramp.	Summit / Intermountain	Yes
1	Safety Rail Improvements	\$5,200,000			√	√	√			
	I-70 West: EJMT to Silverthorne (Specific Projects TBD)	\$4,500,000	June-10	June-10				Safety improvements to include barrier repairs and replacement (Type 4 to 7 from MP 205 to 214) and possible landslide mitigation at MP 212.	Summit / Intermountain	Yes
	I-70 West: EJMT to Bakerville - Median Barrier Improvements	\$700,000	January-10	January-10				Upgrading median barriers from Type 4 to Type 7 (MP 215 to 221).	Clear Creek / DRCOG	Yes
1	Mobility	\$2,050,000			√	√	√			
	SH 119: Main Street-South	\$2,050,000	June-10	June-10				Continuation of the 4-lane section through Black Hawk. Work includes curve straightening for accident mitigation at MP 6.0, per the safety assessment recommendations.	Gilpin / DRCOG	No
1	System Quality	\$4,500,000					√			
	US 285: Bailey to Richmond Hill Overlay	\$4,500,000	March-10	March-10				The proposed project will grind away the delaminated top layer and Petromat. Safety enhancements include guardrail installation, improved lane transitions at the end of existing climbing lanes, and widened shoulders.	Park & Jefferson/ Central Front Range/DRCOG	No
1	Design & ROW	\$1,500,000				√	√			
	FY 11 Region 1 FASTER Projects Pool	\$1,500,000	N/A	N/A				Pool to fund PE/Design and ROW for FY 11 projects.	All	No
TOTAL REGION 1 ESTIMATED FUNDING		\$15,600,000								

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					Crash Data**	Proactive Safety Improvements	Fix-It-First Improvements			
2	Mobility	\$11,100,000			√	√	√			
	SH 115 at Gates 5 and 6 to Fort Carson	\$8,300,000	December-09	February-10				Improvements consisting of widening for turn and accel/decel lanes at Gates 5 and 6 on the west side of Fort Carson which will see increased traffic with the expansion of Fort Carson. Gate 5 Project (\$6 million) will be ready for Ad by February. Remaining funds will be mixed with other funds for Gate 6 construction with Ad in fall 2010.	El Paso / PPCOG	No
	US 50 Fortino to Wills in Pueblo	\$2,800,000	March-10	March-10				Widening, geometry, signal and drainage improvements in heavily commercial segment of US 50 in Pueblo. Selection based on FHWA Benefit/Cost Analysis of Accident Reduction.	Pueblo / PACOG	No
	TOTAL REGION 2 ESTIMATED FUNDING	\$11,100,000								
3	Design & ROW	\$1,500,000								
	Region 3 FASTER Design Pool	\$1,500,000							All	
3	Intersection Improvements	\$7,300,000			√	√				
	I70B Phase 1 Part A&B (24.75-24 Rd)	\$4,000,000	April-10	June-10				The west section where the first construction project will occur, has an accident rate that is 10% higher than the average. The overall study corridor has an accident rate that is 60% higher than the statewide average.	Mesa / GVMPO	No
	I70 MP 36.3 - 37.3 (I70 Exit 37 Clifton)	\$2,800,000	March-10	May-10				A feasibility study conducted showed a large number of fixed object accidents at the interchange due to substandard ramp lengths and delineation.	Mesa / GVMPO	Yes
	SH 13 MP 3-4 (Railroad Ave and SH 13)	\$500,000	March-10	May-10				Due to substandard curve geometry, this area has had a lot of truck overturning accidents resulting in hazardous spills.	Garfield / IMTPR	No
3	Safety Rail Improvements	\$2,700,000				√	√			
	I70 MP 180-190 Vail Pass Type 4 GR Improvements	\$2,700,000		April-10				Funding will be used to replace 13,000 LF of damaged Type 4 barrier with Type 7 barrier which meets AASHTO crash standards. Existing barrier is missing significant portions of concrete.	Eagle / IMTPR	No

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					Crash Data**	Proactive Safety Improvements	Fix-It-First Improvements			
3	Game Fence	\$1,500,000			√	√				
	SH 82 MP 11-16	\$1,500,000	April-10	July-10				This section is in the top 10% statewide for animal vehicle collisions. This project will be immediately up valley of the 2009 wildlife fencing project.	Garfield / IMTPR	No
3	Priority Culverts	\$1,630,000					√			
	SH 40 MP 32.38 and SH 13 MP 90.64	\$1,180,000	March-10	May-10				These culverts are the top priorities on R3s critical culvert list. Failure of the US 50 culvert would significantly impact regional travel through Mesa County and the City of Grand Junction.	Moffat / NWTPR	No
	SH 50 MP 33	\$450,000	March-10	May-10					Mesa / GVMPO	No
3	Rockfall Mitigation	\$1,200,000				√				
	SH 82 MP 35-37 (Shale Bluffs)	\$1,200,000	January-10	February-10				This area is subject to frequent rock fall debris and there is inadequate storage width behind the barrier to prevent debris from spilling onto SH 82.	Pitkin / IMTPR	No
TOTAL REGION 3 ESTIMATED FUNDING		\$15,830,000								

4	Intersection Improvements	\$850,000			√	√	√			
	Signal Program Supplement									
	Various Locations: New - SH 60 @ WCR 13 (Johnstown) Refurbish - SH 93 @ SH 170 (Eldorado Springs); SH 56 @ 4th St (Berthoud)	\$850,000	March-10	March-10				Supplements the \$170k / year signal program for a total of \$1,020k. There are currently 8 locations on the region list that warrant new signals, and 18 locations requiring upgrades.	Weld / NFR Boulder / DRCOG Larimer / NFR	No
4	Safety Rail Improvements	\$1,950,000			√	√				
	I-76: Median Cable Rail	\$750,000	December-09	February-10				An additional 3 miles of cable rail, extending east from the current project; Adams - Weld County line East. Location has a narrow median and a history of cross-over and median accidents.	Weld / DRCOG	No
	US 34 and on US 85: Bridge Rail - Greeley Area	\$1,200,000	February-10	April-10				12 locations, including one where the overhead sign had to be removed due to structural failure. Cost includes \$86,000 for consultant final design.	Weld / NFR	No

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4	System Quality	\$16,000,000				√	√			
	I-25: S of SH 392 North to Harmony Rd	\$9,000,000	January-10	April-10				Addresses remaining RSL=0 segment of I-25. Concrete is failing with potholes and blowouts resulting in an unsafe driving surface. Project will rubblize and repair.	Larimer / NFR	Yes
	I-76: Diamond Grinding - Pilot Project from Brush East	\$1,000,000	January-10	April-10				Concrete is structurally sound, but area is experiencing differential settling resulting in an extremely rough riding, unsafe driving surface. This will improve the safety and extend the useful life of the roadway	Morgan / UFR	No
	US 36: Kansas Stateline West	\$5,000,000	December-09	February-10				Location is an RSL = 0, with potholes and blowouts on the surface resulting in unsafe driving conditions. Project was the number 1 priority at ETPR meeting on 8/17/09.	Yuma / ETPR	No
	SH 392 @ Greeley Ditch # 2	\$1,000,000	January-10	January-10				Project is in final stages of design to replace a failing CBC. Location currently has temporary type 4 barriers separating traffic from a 25 foot drop-off.	Weld / NFR	No
4	Design/ROW	\$1,800,000			√	√	√			
	SH 52 @ WCR 11	\$430,000	March-11	July-11				Design and ROW funds, location meets warrants for signals and turn lanes. Project is a high priority for Region Four and Weld County.	Weld / DRCOG	No
	SH 119 @ Jay Rd and SH 119 @ Niwot Rd	\$620,000	December-10	February-11				Design and ROW funds, improves safety and mobility for transit and bicycle use. Includes queue jump lanes, high priority for Boulder County.	Boulder / DRCOG	No
	US 385 and US 34 Design in ETPR	\$500,000						High Priority for ETPR area, design of Passing lanes and shoulders on two Teir 1 ETPR Corridors.	Various / ETPR	No
	US 85 Various Intersections	\$250,000						High Priority for UFR, intersection improvements at select locations.	Weld / UFR	No
TOTAL REGION 4 ESTIMATED FUNDING		\$20,600,000								

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5	Intersection Improvements	\$1,500,000			√	√				
	US491 at CR M	\$1,000,000	April-10	April-10				These intersections are ranked as the 2nd and 3rd most hazardous in the approved Region 5 Intersection Study -- safety is a primary factor in the study. The #1 ranked project in the study is funded.	Montezuma/SW; San Miguel/ GVTPR	No
	SH145 at Society Turn	\$500,000	August-10	May-11						
5	Shoulder Improvements	\$1,000,000				√	√			
	SH140 south of Breen	\$750,000	March-10	March-10				This funding will be used to add shoulders to projects scheduled for surface treatment. Addition of shoulders will significantly improve safety.	La Plata/SW; San Miguel/GV	No
	SH145 at Society Turn	\$250,000	August-10	May-11						
5	Priority Culverts	\$1,000,000					√			
	US 160 MP 158.76 and MP 167.55	\$1,000,000	April-10	June-10				Critical culverts on Wolf Creek Pass. These culverts were identified as needing repair in a statewide inspection and are in imminent danger of failure. The sufficiency rating for both culverts is 18.8 on a scale of 100.	Mineral/SLV	No
5	Mobility	\$5,500,000				√				
	US 550 Ridgway to Colona Passing Lanes	\$5,500,000	September-10	September-11				Improvements will provide for safe passing on a narrow 2-lane highway in a wildlife corridor. Project is the #3 priority identified for RPP funding by the TPR's. (The #1 priority, US491 passing lane between Cortez and Towaoc, is constructed; #2 priority, US160 at CR222/223, is fully-funded.)	Ouray/GVTPR	No
5	Design/ROW	\$900,000				√	√			
	US160 PL between MV and Alamosa	\$900,000	May-11	August-12				Improvements will provide for safe passing on a 2-lane highway with limited passing opportunities. Project is the #4 priority identified for RPP funding by the TPR's.	Alamosa/SLV	No
TOTAL REGION 5 ESTIMATED FUNDING		\$9,900,000								

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6	Safety Rail Improvements	\$2,000,000			√	√				
	SH 470, SH 8 to Wadsworth	\$2,000,000	April-10	April-10				HES qualified but not funded	Jefferson / DRCOG	No
6	Intersection Improvements	\$1,000,000			√		√			
	Signal Program Supplement									No
	SH 177 @ Hampden	\$500,000	March-10	March-10				HES qualified but not funded	Denver & Jefferson / DRCOG	No
	SH 121 @ Coalmine	\$500,000	August-10	August-10						
6	Bridge Replacements	\$3,800,000				√	√			
	84th Avenue over I-25	\$3,800,000	June-10	August-10				Poor bridge #1 priority in Region for FY 10. This project is estimated to cost \$19 M. Balance of cost proposed for FASTER Bridge \$. SR = 41.3 -- very high AADT. 2 (of remaining poor bridges; #1 to be funded from FASTER Bridge \$)	Adams / DRCOG	No
TOTAL REGION 6 ESTIMATED FUNDING		\$6,800,000								

TOTAL STATEWIDE ESTIMATED FASTER FUNDING	\$79,830,000
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Notes: Proactive Safety Improvements include shoulders, mobility or operational improvements
 Fix-it-First Improvements include culvert replacement, resurfacing, or preventative maintenance
 * Early Ad Date if sufficient funding were to be available
 ** Intersections, on average, account for 45% of all accidents in Colorado