Progress Meeting - April 16, 2008

Butte Interstate Traffic Study - Phase 2

Minor and Safety Type Project List

Their Time is Peckage 1 Product Production a Security 1 Product Time in Peckage 1 Product Production 1 Pro	Project List Category	I.D.	Location	Project Type	Implementation Method	Deficiency Corrected	Ant.Cost	Potential Package	Project Description	Notes
Host Time in Policy 1 1 month of Policy 2 1 month of Policy 3		Corri	dor Wide							
tex **cm** 2 Revised Speed Limbs	Near Term as Package	1	Incident Management Plan	Planning	Project	Safety/Operations	\$100k	1		Initial effort to other potential incident response projects
has "tem is Passage. As "Available Spower Liveries Spower with led to worther or event, regards from the basel for or event, regards from the Spower of England Spower Liveries Spower with led to worther or event, regards from the Spower of England Spower Liveries Spower with led to worther or event, regards from the Spower of England Spower Liveries Spower with led to worther or event, regards from the Spower of England Spower Liveries Spower with led to worther or event, regards from the Spower of England Spower Liveries Spower Liveri	•	2	-							
New Term is Policipian Squared Displays Signes TS Add or i Pin-Ragon Safety SSO 776 each 2 Provide an constant, bridge or congruence Ring anal legislation autition Ring anal legislation autition Ring anal legislation Ring anal			·			,		0	Advisory or Enforceable speed limits tied to weather or events, requires	
New Term is Pickage 6 CCTV Applicationes TIS Pickage Safety (Speciatione \$10.200 each 1, 3 Citized Cecial Infection applications - Separation records of your Planting for \$1.000 follow each 1, 3 Supul Manager (lose in throughout consists of your Planting for \$1.000 follow each 1, 3 Supul Manager (lose in throughout consists of your Planting for \$1.000 follow each 1, 3 Supul Manager (lose in throughout consists of your Planting for \$1.000 follow each 1, 3 Supul Manager (lose in throughout consists of your Planting for \$1.000 follow each 1, 3 Supul Manager (lose in throughout consists of your Planting for \$1.000 follow each 1, 3 Supul Manager (lose in through in through a consist of your planting for \$1.000 follow each 1, 3 Supul Manager (lose in through in consists of your planting for \$1.000 follow each 1, 3 Supul Manager (lose in through in consists of your planting for \$1.000 follow each 1, 3 Supul Manager (lose in through in consists of your planting for \$1.000 follow each 1, 3 Supul Manager (lose in through in consists of your planting for \$1.000 follow each 1, 3 Supul Manager (lose in through in consists of your planting for \$1.000 follow each 1, 3 Supul Manager (lose in through in consists of your planting for \$1.000 follow each 1, 3 Supul Manager (lose in through in consists of your planting follow each 1, 3 Supul Manager (lose in through in consists of your planting follow each 1, 3 Supul Manager (lose in through in consists of your planting follow each 1, 3 Supul Manager (lose in through in consists of your planting follow each 1, 3 Supul Manager (lose in through in consists of your planting follow each 1, 3 Supul Manager (lose in through in consists of your planting follow each 1, 2, 3 Supul Manager (lose in through in consists of your planting follow each 1, 2, 3 Supul Manager (lose in through 1, 2, 3 Supul Manager (lose in through 1, 2, 3 Supul Manager (lose in through 1, 2, 3 Supul Manager	· ·		•		, ,					
Near Term as Pickage 7 DMS Applications TS Package Safety Solidor 150 150	Near Term as Package	5	Speed Display Signs	ITS	Add-on / Package	Safety	\$50-75k each	2	Placed near curvature, bridges or steep grades	Requires legislative action
Note Term in Prisogn 8 Additional RVINS Data Celluction ITS Package Safety Safe	Near Term as Package	6	CCTV Applications	ITS	Package	Safety/Operations	\$10-20k each	1, 3	Closed Circuit Television applications - Support/enhance statewide sytems	Potential for 9-10 CCTVs
New Term on Pickage 9 Treveler Information Elements 15 Pickage Safety Safety (see a HAPE, Safety Care Stock 3 HAR and Kinals (all trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemers for all future projects within central trust stops) Pickage (seemins for all future projects within central trust stops) Pickage (seemins for all future projects within central trust stops) Pickage (seemins for all future projects within central trust stops) Pickage (seemins for all future projects within central trust stops) Pickage (seemins for all future stops) Pickage (seemins for all future projects within central trust stops) Pickage (seemins for all future projects within central trust sto	Near Term as Package	7	DMS Applications	ITS	Package	Safety	\$100-150k each	1, 3	Digital Message Boards throughout corridor	Potential for 6-7 DMSs
Add Con 10 Landscape Elements TS Package Add con Aestherics \$20k to \$200k Condest backage persons for all take gogics within cordist to suppression for all takes gogics within cordist to suppression for all takes gogics within cordist to control takes gogics within cordist to suppression for all takes gogics within cordinate gogics wit	Near Term as Package	8	Additional RWIS Data Collection	ITS	Package	Safety		1, 2, 3	Support/enhance statewide systems or other ITS applications	Potential for 5-6 RWIS Flash Beacons
Add on Asson 10 Landscape Bemeris Landscape Add on Aesthetics S20k to \$200k representative vary significant Rocker Interchanges Add on A New Term as Package 11 Install New DMS Sign west of IIC ITS Add-on / Package Traveler Information \$150k 4 Additional DMS sign led to read closurs gate project all contents to be and pour requirements. Add-on / Package Traveler Information \$150k 4 Additional DMS sign led to read closurs gate project all contents of the and pour requirements. Add-on / Package Access Control \$50k 7 Poolsky curbide/institution to differ specific access points. New Term as Package Add on . 15 EB 1-1500 Bridge over Rocker Guardrall Package Guardrall length \$20k 5 Extend Guardral and Intrige on Inside line. New Term as Package Add on . 16 WB 1-1500 Bridge over Rocker Guardrall Package Guardrall length \$20k 5 Extend Guardral and Intrige on Inside line. New Term as Package & Add on . 17 NB-EB 1-1500 Bridge over Rocker Guardrall Package Guardrall length \$20k 5 Extend Guardral and Intrige on Inside line. New Term as Package & Add on . 18 NB-EB 1-1500 Bridge over Rocker Guardrall Package Guardrall length \$20k 5 Extend Guardral and Intrige on Inside line. New Term as Package & Add on . 17 NB-EB 1-1500 Bridge over Rocker Guardrall Package Guardrall length \$20k 5 Extend Guardrall and Intrige on Inside line. New Term as Package & Add on . 17 NB-EB 1-1500 Cyanious locations) Ministrance / Package Guardrall length \$20k 5 Extend Guardrall in cover non-recoverable sidestope. New Term as Package & Add on . 19 Replace Bridges over abandonned RM w/Culvert Package Guardrall Package Guardrall Package Guardrall length Science Guardrall Package Guardrall P	Near Term as Package	9	Traveler Infromation Elements	ITS	Package	Safety	~\$40k for ea HAR, ~\$5k for ea Kiosk	3	HAR and Kiosks (at truck stops)	Potential for 3-4 HAR, 5-6 Kiosks
Add on A fear Term as Package 11 Install New DMS Sign west of VC 17 Add-on / Package New Term 12 Town Pump property Access Add-on / Package Access Control Sign Now Term as Package 13 Flying a property Access Add-on / Package Access Control Sign Now Term as Package 14 Eastsdid or Rocker Rd Sidewalk Add-on / Package Access Control Sign Now Term as Package 15 Ein 1590 Bridge over Rocker Guardrall Package Add-on / Package Access Control Sign Now Term as Package 16 Ein 1590 Bridge over Rocker Guardrall Package Add-on / Package Add-on / Package Add-on / Package Add-on / Package Access Control Add-on / Pac	Add On	10	Landscape Elements	Landscape	Add-on	Aesthetics	\$20k to \$200k		Consider landscape elements for all future projects within corridor to improve aesthetics at interchanges	Costs have potential to vary signficantly
Add on A Plackage Near Term as Package 12 Town Pump property Access Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Near Term 5 Package 13 Pying J property Access Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Nour Term 5 Package 13 Pying J property Access Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Control as five full size of the east size of Router Rd one Frontage Rel to Firmage Rel (include cute rarps and marked crossings) Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Control as five full size of the cute of the specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Control as five full size of the specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Access Control Selok 7 Provide cubishination to differ specific access points Add on / Package Control Selok 7 Provide cubishination to differ specific access points Add on / Package Control Selok 7 Package Control S		Rock	er Interchange							
Near Term as Package & Add On 15 EB I-15/00 Bridge over Rocker Guardrall Package Add On 17 No. West Butter Interchange Clear Zone Spackage Add On 17 No. West Butter Interchange Clear Zone Spackage Add On 17 No. West Butter Interchange Clear Zone Spackage Clear Zone Spackage Spackage Clear Zone Spackage Spackage Clear Zone Spackage Clear Zone Spackage S	Add On & Near Term as Package	11	Install New DMS Sign west of I/C	ITS	Add-on / Package	Traveler Information	\$150k	4	Additional DMS sign tied to road closure gate project at Continental Drive	Cost may be higher depending on communication and poer requirements
Near Term as Package & Add On 15 EB I-1590 (various locations)	3		Ğ					7		
Near Term as Package 14 Eastside of Rocker Rd Sidewalk Add-on / Package Lack of Pedestrian facilities 880k 7 Rd to Frontage Rd (include curb ramps and marked crossings) Near Term as Package & Add On 15 EB I-15/90 Bridge over Rocker Guardrail Maintenance / Package Near Term as Package & Add On 16 WB I-15/90 Bridge over Rocker Guardrail Maintenance / Package (Guardrail length S20k 5 Extend Guardrail on altridge on inside lane Maintenance / Package (Guardrail length S20k 5 Extend Guardrail on altridge on inside lane Maintenance / Package (Guardrail length S20k 5 Extend Guardrail on altridge on inside lane Maintenance / Package (Clear Zone S20k 5 Extend Guardrail to cover non-recoverable sideslopes 7 18 NB/EB I-15/90 (various locations) Minor Earthwork Package (Clear Zone S20k 5 Extend Guardrail to cover non-recoverable sideslopes Add On 19 Replace Bridges over abandoned RxR w/Culvert Structure Project / Add-on Functionally Obsolete Structure Near Term 20 Reduced Speed Limit on I-115 Signing Maintenance / Package Ramp Geometry S25k 8 Resting-leftside exit ramp to a normal single lane with Reduction near Excession Maintenance / Package Ramp Geometry S25k 8 Resting-leftside exit ramp to a normal single lane with Maintenance / Package 22 Ramps Lighting Package Safety \$100k 8 Install new overhead signs that are less confusing Maintenance / Package Safety \$20k 5 Extend Guardrail on both sides at bridge on inside lane Currently here are no signs until the reduction near Excession Package Ramp Geometry S25k 8 Resting-leftside exit ramp to a normal single lane with Reduction near Excession Package Safety \$20k 5 Extend Guardrail on both sides at bridge on inside tare Near Term as Package 22 Ramps Lighting Package Guardrail length \$20k 5 Extend Guardrail on both sides at bridge on inside lane Constitute of the foot Guardrail on the sides of the control package Safety \$20k 5 Extend Guardrail on both sides at bridge on inside lane Constitute of the foot Guardrail on the sides of Nocker Rd Constitute of the foot Gu					_					
Near Term as Package 14 East-listed of Rocker Rd Sidewalk Add-on / Package Lack of Pedestrian facilities \$80k 7 Rd to Frontage Rd (include curb ramps and marked crossings) Near Term as Package 8 Add On 15 EB I-1590 Bridge over Rocker Guardrail Package Guardrail Package Guardrail length \$20k 5 Extend Guardrail on at bridge on inside lane Near Term as Package 8 Add On 16 WB I-1590 Bridge over Rocker Guardrail Package Guardrail length \$20k 5 Extend Guardrail on at bridge on inside lane Near Term as Package 8 Add On 17 No BrEB I-1590 (various locations) Guardrail Maintenance / Package Clear Zone \$20k 5 Extend Guardrail to cover non-recoverable skieledops Name Term as Package 8 Add On 19 Replace Bridges over abandoned RxR w/Culvert Structure Project / Add-on Package Clear Zone \$400k Functionally Obsolete Structure \$	Near Term as Package	13	Flying J property	Access	Add-on / Package	Access Control	\$30k	7		
Near Term as Package & Add On 15 EB I-15/90 Bridge over Rocker Guardrail Package Guardrail length \$20k 5 Extend Guardrail on at bridge on inside lane Maintenance / Package Guardrail length \$20k 5 Extend Guardrail on at bridge on inside lane Maintenance / Package Guardrail length \$20k 5 Extend Guardrail on at bridge on inside lane Maintenance / Package Sadd On 17 NB/EB I-15/90 (various locations) Guardrail Package Clear Zone \$20k 5 Extend Guardrail to cover non-recoverable side-slopes 7 18 NB/EB I-15/90 (various locations) Minor Earthwork Package Clear Zone \$50k 6 Perform minor grading to flaten fill slopes Add On 19 Replace Bridges over abandoned RxR w/Culvert Structure Project / Add-on Functionally Obsolete Structure \$400k Remove bridges and replace with large sleet plate culvert. Maintaining rails to trail path West Buttle Interchange Near Term as Package 21 EB I-115 off-ramp Striping Maintenance / Package Ramp Geometry \$25k 8 Restripe leftside out ramp to a normal single lane width Near Term as Package 2 Ramps Ughting Package Safety \$100k 8 Install new overhead signs that are less confusing Maintenance / Package Safety \$20k 5 Extend Guardrail on at bridge on inside lane Extending included in WB1, WB2 and WB3 and Term as Package Safety \$20k 8 Install new overhead signs that are less confusing NB1 the reduction near Excelsion NB2 Term as Package Safety \$20k 8 Install new overhead signs that are less confusing NB2 the restriction of the safety Saf	Near Term as Package	14	Eastside of Rocker Rd	Sidewalk		Lack of Pedestrian facilities	\$80k	7		
Near Term as Package & Add On 16 WB I-15/90 Bridge over Rocker Guardrall Package Guardrall length \$20k 5 Extend Guardral on at bridge on inside lane Maintline Segment 1 Near Term as Package & Add On 17 NB/EB I-15/90 (various locations) Guardrall Package Clear Zone \$20k 5 Extend Guardrall to cover non-recoverable sideslopes 7 18 NB/EB I-15/90 (various locations) Minor Earthwork Package Clear Zone \$50k 6 Perform minor grading to flatten fill slopes Add On 19 Replace Bridges over abandoned RvR w/Culvert Structure Project / Add-on Functionally Obsolete Structure \$400k Package Project / Add-on P	Near Term as Package & Add On	15	EB I-15/90 Bridge over Rocker	Guardrail		Guardrail length	\$20k	5	Extend Guardrail on at bridge on inside lane	
Near Term as Package & Add On 17 NB/EB I-15/90 (various locations) Guardrail Maintenance / Package Clear Zone \$20k 5 Extend Guardrail to cover non-recoverable sideslopes 7 18 NB/EB I-15/90 (various locations) Minor Earthwork Package Clear Zone \$50k 6 Perform minor grading to flatter fill slopes Add On 19 Replace Bridges over abandoned RxR w/Culvert Structure Project / Add-on Functionally Obsolete Structure \$400k Package Included in WB1, WB2 and WB3 West Butte Interchange Near Term 20 Reduced Speed Limit on I-115 Signing Maintenance / Package Ramp Geometry \$25k 8 Restripe leftside exit ramp to a normal single lane width Near Term as Package 21 EB I-115 off-ramp Signing Package Safety \$20k 8 Install new overhead signs that are less confusing Near Term as Package 22 Ramps Lighting Package Safety \$100k 8 Install new lights to improve visibility of exit Near Term as Package & Add On 23 EB I-115 over WB/SB I-15/90 Guardrail Maintenance / Package Guardrail length \$20k 5 Extend Quardrail on cover non-recoverable sidesioppes Extend Quardrail to cover non-recoverable sides sidestopes Extend Quardrail to cover non-recoverable sidesioppes Extend Quardrail to cover non-recoverable sides sidestopes Extend Quardrail to cover non-recoverable sides sidestopes Extend Quardrail to cover non-recoverable sides sidestop	Near Term as Package & Add On	16	WB I-15/90 Bridge over Rocker	Guardrail		Guardrail length	\$20k	5	Extend Guardrail on at bridge on inside lane	
Near Term as Package & Add On 17 NB/EB I-15/90 (various locations) Guardrail Package Clear Zone \$20k 5 Extend Guardrail to cover non-recoverable sideslopes Replace Bridges over abandoned RxR w/Culvert		Mainl	ine Segment 1							
Package Clear Zone \$50k 6 Perform minor grading to flatter fill slopes Remove bridges and replace with large steel plate culvert. Maintaining included in WB1, WB2 and WB3 West Butte Interchange Near Term 20 Reduced Speed Limit on I-115 Signing Maintenance / Package / Packag										
Add On 19 Replace Bridges over abandoned RxR w/Culvert Structure Project / Add-on Functionally Obsolete Structure \$400k Remove bridges and replace with large steel plate culvert. Maintaining Included in WB1, WB2 and WB3 West Butte Interchange Near Term 20 Reduced Speed Limit on I-115 Signing Maintenance Safety \$10k Reduce speed limit and sign for 55 MPH Wast Term as Package 21 EB I-115 off-ramp Striping Package Ramp Geometry \$25k 8 Restripe leftside exit ramp to a normal single lane width Near Term as Package 21 EB I-115 off-ramp Signing Package Safety \$20k 8 Install new overhead signs that are less confusing Near Term as Package 22 Ramps Lighting Package Safety \$100k 8 Install new lights to improve visibility of exit Near Term as Package & Add On 23 EB I-115 over WB/SB I-15/90 Guardrail Maintenance / Package Guardrail length \$20k 5 Extend guardrail on both sides at bridge	Near Term as Package & Add On	17	NB/EB I-15/90 (various locations)	Guardrail	Package	Clear Zone	\$20k	5	Extend Guardrail to cover non-recoverable sideslopes	
Add On 19 Replace Bridges over abandoned RxR w/Culvert Structure Project / Add-on Functionally Obsolete Structure \$400k rails to trail path Included in WB1, WB2 and WB3 West Butte Interchange Near Term 20 Reduced Speed Limit on I-115 Signing Maintenance Safety \$10k Reduce speed limit and sign for 55 MPH reduction near Excelsion Near Term as Package 21 EB I-115 off-ramp Striping Package Ramp Geometry \$25k 8 Restripe leftside exit ramp to a normal single lane width Near Term as Package 21 EB I-115 off-ramp Signing Package Safety \$20k 8 Install new overhead signs that are less confusing Near Term as Package & Add On 23 EB I-115 over WB/SB I-15/90 Guardrail Package Guardrail length \$20k 5 Extend guardrail on both sides at bridge	?	18	NB/EB I-15/90 (various locations)	Minor Earthwork	Package	Clear Zone	\$50k	6		
Near Term as Package 21 EB I-115 off-ramp Signing Maintenance / Package Near Term as Package 21 EB I-115 off-ramp Signing Maintenance / Package Ramp Geometry Safety \$10k Reduce speed limit and sign for 55 MPH Reduce speed limit and si	Add On	19	Replace Bridges over abandoned RxR w/Culvert	Structure	Project / Add-on	Functionally Obsolete Structure	\$400k			Included in WB1, WB2 and WB3
Near Term as Package 21 EB I-115 off-ramp Striping Maintenance / Package		West	Butte Interchange							
Near Term as Package 21 EB I-115 off-ramp Striping Package Ramp Geometry \$25k 8 Restripe leftside exit ramp to a normal single lane width Maintenance / Package Safety \$20k 8 Install new overhead signs that are less confusing Near Term as Package 22 Ramps Lighting Package Safety \$100k 8 Install new lights to improve visibility of exit Near Term as Package & Add On 23 EB I-115 over WB/SB I-15/90 Guardrail Package Guardrail length \$20k 5 Extend guardrail on both sides at bridge	Near Term	20	Reduced Speed Limit on I-115	Signing	Maintenance	Safety	\$10k		Reduce speed limit and sign for 55 MPH	
Near Term as Package 21 EB I-115 off-ramp Signing Maintenance / Package Safety \$20k 8 Install new overhead signs that are less confusing Near Term as Package Near Term as Package Near Term as Package & Add On 23 EB I-115 over WB/SB I-15/90 Guardrail Maintenance / Package Safety \$100k 8 Install new lights to improve visibility of exit Maintenance / Package Guardrail length \$20k 5 Extend guardrail on both sides at bridge	Near Term as Package	21	EB I-115 off-ramp	Striping		Ramp Geometry	\$25k	8	Restripe leftside exit ramp to a normal single lane width	
Near Term as Package 22 Ramps Lighting Package Safety \$100k 8 Install new lights to improve visibility of exit Near Term as Package & Add On 23 EB I-115 over WB/SB I-15/90 Guardrail Package Guardrail length \$20k 5 Extend guardrail on both sides at bridge	Near Term as Package	21	EB I-115 off-ramp	Sianina		Safety	\$20k	8	Install new overhead signs that are less confusing	
Near Term as Package & Add On 23 EB I-115 over WB/SB I-15/90 Guardrail Maintenance / Package Guardrail length \$20k 5 Extend guardrail on both sides at bridge	· ·							0		
					Maintenance /			0		
Add On 24 EB I-115 over WB/SB I-15/90 Bridge Project / Add-on Functionally Obsolete Structure \$1,300k Install new bridge to current standards I-115 EB bridge over WB I-15/90	Near Term as Package & Add On	23	EB I-115 over WB/SB I-15/90	Guardrail	Package	Guardrail length	\$20k	5	Extend guardrail on both sides at bridge	
	Add On	24	EB I-115 over WB/SB I-15/90	Bridge	Project / Add-on	Functionally Obsolete Structure	\$1,300k		Install new bridge to current standards	I-115 EB bridge over WB I-15/90
Mainline Segment 2		Mainl	ine Segment 2						Total II addition with the state of the stat	
Near Term as Package & Add On 25 EB/NB and WB/SB I-15/90 @ Bridges & Curves ITS Package / Add-on Functionally Obsolete Structure \$200k 4 Install advisory warning signs with flashing beacons triggered by RWIS system	Near Term as Package & Add On	25	EB/NB and WB/SB I-15/90 @ Bridges & Curves	ITS	Package / Add-on	Functionally Obsolete Structure	\$200k	4		
Near Term as Package & Add On 26 EB/NB and WB/SB I-15/90 @ Bridges Maintenance Package / Add-on Functionally Obsolete Structure \$800k 10 Install anti-icing systems on each bridge nozzles	Near Term as Package & Add On	26	EB/NB and WB/SB I-15/90 @ Bridges	Maintenance	Package / Add-on	Functionally Obsolete Structure	\$800k	10	Install anti-icing systems on each bridge	Requires new asphalt surface on bridge to embed nozzles
? 27 EB/NB I-15/90 Minor Earthwork Package Clear Zone \$50k 6 Perform grading to increase runoff area to proper clear zone width	?	27	EB/NB I-15/90	Minor Earthwork	Package	Clear Zone	\$50k	6	Perform grading to increase runoff area to proper clear zone width	

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Butte Interstate Traffic Study - Phase 2

Minor and Safety Type Project List

Project List Category	I.D.	Location	Project Type	Implementation Method	Deficiency Corrected	Ant.Cost	Potential Package	Project Description	Notes
?	28	WB/SB I-15/90	Minor Earthwork	Package	Clear Zone	\$50k	6	Perform grading to increase runoff area to proper clear zone width	
Add On & Long Range	30	EB/NB and WB/SB I-15/90 Bridges (x2)	Bridges	Project	Functionally Obsolete Structure	\$7,600k		New bridge to current standards	
	Excel	sior Avenue Interchange			.4	71			
Near Term as Package & Add On	31	WB I-115 @ major drainage crossing	Guardrail	Maintenance	Guardrail length	\$30k	5	Extend guardrail on both sides at CBC	
Near Term as Package & Add On	32	EB I-115 @ major drainage crossing	Guardrail	Maintenance	Guardrail length	\$30k	5	Extend guardrail on both sides at CBC	
Add On	33	Eastside of Excelsior Road	Sidewalk	Project	Lack of Pedestrian facilities	\$150k		Construct a five foot sidewalk on the east side of Excelsior Rd from Access to residences (just west of EB Ramp Terminal to Platinum St)	Add-on to future pavement rehabilitation?
	Monta	ana Street Interchange							
Near Term as Package & Add On	34	EB off/on-ramps and WB on-ramp	Access	Package / Add-on	Safety	\$200k	9	Use curb to change/channelize shared frontage road and ramp, eliminating local access, modify business access as needed	
Near Term as Package & Add On	35	EB off/on-ramps and WB on-ramp	Access	Package / Add-on	Access Control	\$25k	9	Eliminate on street parking within Access Control line	
Near Term as Package & Add On	36	EB & WB off/on ramp terminals	Pedestrian	Package / Add-on	Safety	\$40k	9	Install ADA compatible curb ramps and cross walk markings	
Near Term as Package & Add On	37	EB/NB & WB/SB I-15/90 over Montana Street	Guardrail	Maintenance	Guardrail length	\$20k	5	Extend guardrail on both sides at bridge	
Add On or Long Range?	39	EB/NB & WB/SB I-15/90 over Montana Street	Bridges	Project	Functionally Obsolete Structure	\$2,700k		Widen or install new bridge to current standards	
	Mainl	ine Segment 3							
Near Term as Package & Add On	40	Median Barrier	Guardrail	Maintenance / Package	Safety	\$200k	5	Install a median barrier system	
Near Term as Package & Add On		EB/NB at Oregon Avenue	Guardrail	Maintenance / Package	Guardrail length	\$30k	5	Extend quardrail at bridge on outside lane to appropriate length	
Near Term as Package & Add On		WB/SB at Lexington Avenue	Guardrail	Maintenance / Package	Guardrail length	\$30k	5	Extend guardrail at bridge on outside lane to appropriate length	
Near Term as Package & Add On		WB/SB between Lexington Ave & Oregon Ave	Minor Earthwork	-	Clear Zone	\$30k	6	Perform grading to increase runoff area to proper clear zone width	
		son Avenue Interchange	WIIIOI LAIUIWOIK	Tuckage	Cledi Zulie	ψουκ	0	enorm grading to morease ration area to proper seem zone within	
Near Term as Package & Add On	44	EB off-ramp & WB on-ramp (Loop ramps)	ITS	Package / Add-on	Ramp Geometry	\$100k	2	Install a Speed Reduction system Remove/Change hotel sign and OH Sign and improve curb return	
Near Term as Package & Add On	45	EB on/off-ramps terminals at Harrison	Access	Package / Add-on	Ramp Geo/Turning Movements	\$100k	11	radiuses, modify gas station access as needed. Trim bushes along Harrison Avenue to improve sight lines near the EB	With small piece of right of way
Add On	46	Harrison Avenue	Maintenance	Maintenance	Safety	\$10k		on/off-ramp	MDT or City Forces?
Long Range	47	Harrison Avenue & Amherst Avenue	Minor Roadway	Project	Safety	\$800k		Extend third through lane north from Cornell to Amherst as a right turn lane), modify parking lot of adjacent property as needed.	
Near Term as Package & Add On	48	Ramp Terminals and Intersections	Pedestrian	Package / Add-on	Safety	\$100k	11	Install ADA compatible curb ramps and cross walk markings	
Add On	49	WB/SB off-ramp near diverge	Maintenance	Maintenance	Safety	\$10k		Trim bushes near exit signs to improve visibility	
Near Term as Package & Add On	50	Restripe Harrison Avenue	Striping	Package / Add-on	Access/Safety	\$50k	11	Restripe Harrison back to 2-lanes with right turn lanes at specific locations. Improve turn radii with striping (Cornell to Mall entrance)	
Near Term as Package & Add On	51	EB/NB & WB/SB I-15/90 over Harrison Avenue	Guardrail	Maintenance / Package	Guardrail length	\$30k	5	Extend guardrail on both sides at bridge	
Add On or Long Range ?	52	EB/NB & WB/SB I-15/90 over Harrison Avenue	Bridges	Project	Functionally Obsolete Structure	\$3,400k		Widen or install new bridge to current standards	
	Mainl	ine Segment 4				,			
Near Term as Package & Add On		Median Barrier	Guardrail	Maintenance / Package	Safety	\$200k	5	Install a median barrier system	
Near Term as Package & Add On	54	Median of I-15/90	Guardrail	Maintenance / Package	Guardrail length	\$50k	5	Improve Median Guardrail	
Near Term as Package & Add On	55	WB/SB at Sheridan Ave	Guardrail	Maintenance / Package	Guardrail length	\$30k	5	Extend guardrail at bridge on outside and inside lane to appropriate length	
Near Term as Package & Add On		WB/SB I-15/90 near drainage crossing	Guardrail	Maintenance / Package	Guardrail length	\$30k	5	Extend guardrail at bridge on outside and inside lane to appropriate length	

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Minor and Safety Type Project List

Project List Category	I.D.	Location	Project Type	Implementation Method	Deficiency Corrected	Ant.Cost	Potential Package	Project Description	Notes
Near Term as Package & Add On	57	WB/SB (west of Sheridan Avenue)		Maintenance / Package	Clear Zone	\$30k	5	Extend Guardrail to cover non-recoverable sideslopes	
? Develop Near Term project ?	58	WB/SB (west of Sheridan Avenue)	Minor Earthwork	Package	Clear Zone	\$150k	6	Perform grading to increase runoff area to proper clear zone width	Important area, fatality occurred on sideslope
Near Term as Package & Add On	59	EB/NB (west of Sheridan Ave to Continental)		Maintenance / Package	Clear Zone	\$	5	Extend Guardrail to cover non-recoverable sideslopes	
?	60	EB/NB (west of Sheridan Ave to Continental)	Minor Earthwork	Package	Clear Zone	\$150k	6	Perform grading to increase runoff area to proper clear zone width	
	East	Butte Interchange							
Near Term as Package	61	SB I-15 off-ramp to EB I-90 (Loop ramp)	ITS	Package / Add-on	Ramp Geometry	\$60k	2, 4, 12	Install a Speed Reduction system	
Near Term as Package	62	SB I-15 off-ramp to EB I-90 (Loop) & Mainline	ITS	Package / Add-on	Safety	\$100k	2, 4, 12	Install advisory warning signs with flashing beacons triggered by RWIS system	
Near Term as Package	63	EB/NB and WB/SB I-15/90 @ Bridges	Maintenance	Package / Add-on	Safety	\$500k	10, 12	Install anti-icing systems on each bridge	
Near Term as Package & Add On	64	WB/SB at Continental		Maintenance / Package	Guardrail length	\$30k	5	Extend guardrail at bridge on outside lane to appropriate length	
Near Term as Package	65	Ramps	Lighting	Add-on / Package	Safety	\$250k	12	Install lights at ramp merge/diverge areas	
	Main	line Segment 5							
Near Term as Package & Add On	66	WB I-90 at Burlington St.		Maintenance / Package	Guardrail length	\$30k	5	Extend guardrail at bridge on outside and inside lane to appropriate length	
?	67	EB and WB I-90 (various locations)	Minor Earthwork	Package	Clear Zone	\$50k	6	Perform grading to increase runoff area to proper clear zone width	
Continental Interchange									
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Notes:

Project = Individual Project

Add-on = Add to other project (currently programmed or one of option designs)

Package = Include with other minor project as part of a package

Maintenance = Maintenance crews can complete

Potential Packages:

- 1 Incident Management Support Project (Plan, DMS, CCTV, RWIS, HAR)
- 2 Traffic Management (variable speed limit, speed display signs, RWIS, active warning/speed reduction signs)
- 3 Traveler Information (DMS, CCTV, HAR, Kiosks, RWIS)
- 4 Site specific ITS projects (DMS at Rocker, speed reduction at loops)
- 5 Guardrail Package of Improvements
- 6 Earthwork Package of Improvements
- 7 Rocker Minor Improvement Project
- 8 West Butte Minor Improvements
- 9 Montana Street Minor Improvements
- 10 Bridge Anti-icing Systems
- 11 Harrison Minor Improvement Project
- 12 East Butte Minor Improvemetn Project