

# STATE OF COLORADO

## DEPARTMENT OF TRANSPORTATION

### Chief Engineer's Office

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Date: December 6, 2013  
To: Colorado Transportation Commission  
From: Timothy J. Harris, Chief Engineer  
Subject: Status of FY14 Asset Management, Advanced Funding and Accelerated Surface Treatment Projects

This memo serves as an update for FY14 Asset Management projects within Surface Treatment, Tunnels, Bridges, Rockfall, Buildings, Culverts, Fleet, ITS and MLOS asset categories. The total FY14 Budget for all nine asset categories totals \$743.30 million. In September 2012 the Commission authorized the advancement of \$69.5 million for eight Advanced Funding Projects. In August 2012 the Commission authorized the advancement of \$86 million for 10 Accelerated Surface Treatment projects. The status of these Accelerated and Advanced funding projects are also included in this memo.

1. The FY14 Surface Treatment program has identified 42 individual projects totaling approximately \$262.29 million dollars. History shows that many of these projects come in under their estimate when advertised. When completed, these projects will need to fall within the \$238.8 million budget. Of these 42 projects, one project, Black Hawk was completed in a previous fiscal year, one, Region 4 Slab Replacement is in construction anticipated to be completed by the end of 2013, and three are in Advertisement and Letting. The remaining projects are currently under design and anticipated to be advertised by the second quarter of 2014. See Table 1 below for a summary of these projects by Region and Pavement Category.
2. Four additional surface treatment projects have been identified as having been inadvertently removed from the FY14 plan and will be added back in to address commitments to our planning partners. Tentatively projects are identified as Rampart Range, Saunders Arroyo East, Ramah Road East and SH96A: Custer/Pueblo. Scope of work, project limits and budgets are under development and will be in compliance with Commission scope policy. These projects are expected prior to targeted advertisement in April 2014.
3. Approximately 141 Bridge Preventative maintenance projects have been identified and are currently under design. These projects are either being delivered as packaged bridges or incorporated into surface treatment projects.
4. Of the 10 Accelerated Surface Treatment Projects, six projects have been completed or are in final acceptance. The Accelerated Surface Treatment Projects are shown in Attachment A but are not included in the Summary of FY14 Asset Budgets and Expenditures shown in Table 2.
5. Three of the Advanced Funding projects are currently under construction. One project has recently been awarded and two are to be advertised by the second quarter of 2014. The Advanced Funding Projects are shown in Attachment A but are not included in the Summary of FY14 Asset Budgets and Expenditures shown in Table 2.

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*Safety      People      Integrity      Customer Service      Excellence      Respect*

6. Bridge Enterprise projects are shown in Attachment A but not included in the Summary of FY14 Asset Budgets and Expenditures.
7. Project updates used current SAP data as well as updates provided by project staff within the regions. Project budgets are current budgets identified in SAP.
8. Table 2 below provides a summary of expenditures per asset category. See Attachment A for detailed project breakouts. Attachment A includes over programming for surface treatment projects.

Table 1: FY14 Surface Treatment Summary

December 6, 2013

	Centerline Lane Miles	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Percent Budgeted	Percent Encumbered	Percent Expended	Percent Remaining Project Budget
<b>FY14 Surface Treatment Summary by Region</b>										
Region 1	48.3	\$35.000	\$5.792	\$0.000	\$0.189	\$5.603	17%	0%	1%	16%
Region 2	29.7	\$41.832	\$5.360	\$0.000	\$0.000	\$5.360	13%	0%	0%	13%
Region 3	96.3	\$64.500	\$19.804	\$12.789	\$5.738	\$1.277	31%	20%	9%	2%
Region 4	63.1	\$67.000	\$30.400	\$22.175	\$2.512	\$5.713	45%	33%	4%	9%
Region 5	58.6	\$53.958	\$2.670	\$0.939	\$0.793	\$0.938	5%	2%	1%	2%
	296	\$262.290	\$64.026	\$35.903	\$9.232	\$18.891	24%	14%	4%	7%
<b>FY14 Surface Treatment Summary by Pavement Category</b>										
Interstate	96.7	\$93.531	\$36.417	\$23.459	\$6.835	\$6.123	39%	25%	7%	7%
NHS - High Volume	73.8	\$95.309	\$13.218	\$2.942	\$1.011	\$9.265	14%	3%	1%	10%
NHS - Medium Volume	17.3	\$19.000	\$2.229	\$0.692	\$0.731	\$0.806	12%	4%	4%	4%
Other - High Volume	38.9	\$27.250	\$3.295	\$0.199	\$0.633	\$2.463	12%	1%	2%	9%
Other - Medium Volume	58.3	\$22.600	\$4.267	\$4.084	\$0.022	\$0.161	19%	18%	0%	1%
Interstate Frontage Road	11	\$4.600	\$4.600	\$4.527	\$0.000	\$0.073	100%	98%	0%	2%
	296	\$262.290	\$64.026	\$35.903	\$9.232	\$18.891	24%	14%	4%	7%

Table 2: Summary of FY14 Asset Budgets and Expenditures

December 6, 2013

Asset Category	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)
FY14 Surface Treatment	\$238.800	\$64.026	\$35.903	\$9.232	\$18.891
FY14 Bridge Preventative Maintenance and Repair	\$53.550	\$4.200	\$2.605	\$0.440	\$1.155
FY14 Bridge Enterprise, Fixed Bridge Costs and Other	\$120.350	Not Included			
FY14 Tunnels	\$7.400	\$1.145	\$0.086	\$0.000	\$1.059
FY14 Rockfall	\$9.000	\$9.300	\$1.620	\$0.100	\$7.580
FY14 Buildings	\$11.300	\$11.750	\$0.732	\$0.417	\$10.600
FY14 ITS	\$21.496	\$13.388	\$8.796	\$1.315	\$3.277
FY14 Culverts	\$11.500	\$1.320	\$0.359	\$0.578	\$0.384
FY14 Fleet	\$20.900	\$21.792	\$8.014	\$13.778	\$0.000
FY14 MLOS	\$249.000	\$249.000	\$0.000	\$91.131	\$157.869
Totals	\$743.30	\$375.921	\$58.115	\$116.991	\$200.815

Project Name	Region	Highway	Project Centerline Lane Miles	Traffic Based Pavement Category	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
Region 1											
I-70 EB Truck Lane Eisenhower Johnson Memorial Tunnel	1	070A	9.6	Interstate	\$2.000	\$2.000	\$0.000	\$0.000	\$2.000	2/27/14	The AD date for the project was extended due to Twin Tunnels impacts to traffic. Project is in design phase. On track for February 2014 AD date.
Arapahoe Rd., I-25 to Parker Rd.	1	088B	4.9	NHS - High Volume	\$9.000	\$0.300	\$0.000	\$0.118	\$0.182	2/6/14	FOR December 2013. On schedule for February 2014 Ad. Will be advertised under 17890 as a combined project with FASTER safety and HES funds.
Black Hawk	1	119A	0.6	Other - High Volume	\$1.000	\$0.000	\$0.000	\$0.000	\$0.000	-	This section of SH119 was reconstructed via Change Order on the SH119 Phase 1 reconstruction project within the last couple of years. Project was completed in a previous fiscal year so no expenditures appear for FY14.
Colfax Ave., Federal to Speer	1	040C	1.2	NHS - High Volume	\$2.000	\$3.300	\$0.000	\$0.046	\$3.254	10/3/13	FIR/FOR held in August 2013; Ad-date deferred due to construction personnel assisting with flood response & recovery. AD date is now January 9, 2014
EJMT Resurfacing	1	070A	3.5	Interstate	\$2.500	\$0.000	\$0.000	\$0.000	\$0.000	2/27/14	The AD date for the project was extended due to Twin Tunnels impacts to traffic. Project is in design phase. On track for February 2014 AD date.
Jct I-70 - Jct SH 5	1	103A	11.5	Other - Medium Volume	\$5.000	\$0.067	\$0.000	\$0.022	\$0.045	3/27/14	FIR meeting held 11/22 on schedule for March AD date.
Jct SH 36 & Cabin Creek	1	036D	1.6	Other - Medium Volume	\$0.500	\$0.000	\$0.000	\$0.000	\$0.000	4/24/14	Scoping December 2014. FIR/FOR February 2014.
Wadsworth Blvd., Parkhill to Florida	1	121A	6	NHS - High Volume	\$9.500	\$0.125	\$0.000	\$0.003	\$0.122	5/1/14	Project limits will be revised to Wadsworth: Park Hill to Bear Creek (approximately Dartmouth), since ROW will be needed between Bear Creek and Florida for construction of curb ramps and will have a major delay to the project. Confirmed this revision with R1 Materials and @ Plan Status. FIR/FOR scheduled for 1/10/14, on track to meet scheduled AD date. Phase 2 will be Wadsworth: Bear Creek to 4th and will AD in early 2016. This will allow adequate time for ROW acquisitions for curb ramps.
Wilkerson Pass-East	1	024A	9.4	Other - Medium Volume	\$3.500	\$0.000	\$0.000	\$0.000	\$0.000	-	Project now part of Region 2.
Region 1 Totals			48.3		\$35.00	\$5.792	\$0.00	\$0.19	\$5.603		
Region 2											
I-25 Pinon North (MP 109 to 119.3)	2	025A	10.3	Interstate	\$15.174	\$0.000	\$0.000	\$0.000	\$0.000	2/6/14	Project is on track for February 6, 2014 AD date.
1st to Dozier Ave	2	050A	3	NHS - High Volume	\$3.696	\$5.360	\$0.000	\$0.000	\$5.360	2/27/14	FOR conducted October 24, 2014. Design being finalized. On-schedule for February 2014 AD date.
25C Interchange to Jct SH69 Walsenburg North	2	025A	9	Interstate	\$12.257	\$0.000	\$0.000	\$0.000	\$0.000	2/13/14	Project is currently on schedule.

Arkansas River To US 50B Through Pueblo	2	096A	3.6	NHS - High Volume	\$5.494	\$0.000	\$0.000	\$0.000	\$0.000	2/27/14	Project anticipated to move to FY15 and be replaced with SH 350 MP8 to MP33 with anticipated AD date of April 24, 2014.
US 50 Through La Junta	2	050B	3.8	NHS - High Volume	\$5.211	\$0.000	\$0.000	\$0.000	\$0.000	2/20/14	Likely to be replaced with US 96 West out of Pueblo.
Region 2 Totals			29.7		\$41.832	\$5.360	\$0.000	\$0.000	\$5.360		
Project Name	Region	Highway	Project Centerline Lane Miles	Traffic Based Pavement Category	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
Region 3											
I-70 Rifle Slab Replacement	3	070A	10.5	Interstate	\$4.000	\$0.000	\$0.000	\$0.000	\$0.000	2/27/14	Project is in design phase, FOR scheduled for December 2013.
I-70 Loma to Clifton	3	070A	21	Interstate	\$27.000	\$0.000	\$0.000	\$0.000	\$0.000	2/13/14	Project is in design phase.
I-70 Eagle Interchange Improvements	3	070A	0	Interstate	\$1.000	\$9.574	\$3.980	\$5.591	\$0.003	4/25/13	On schedule for April 2014 AD date.
I-70 West Vail Pass	3	070A	6.3	Interstate	\$2.200	\$0.000	\$0.000	\$0.000	\$0.000	-	On schedule.
SH 13 South of Craig	3	013A	9.6	Other - Medium Volume	\$7.400	\$0.000	\$0.000	\$0.000	\$0.000	1/16/14	Scheduled for AD on January 2014. Depending on Bids additional scope may be added to construction project
SH 133 Carbondale	3	133A	2.2	Other - High Volume	\$0.750	\$1.185	\$0.183	\$0.132	\$0.870	2/6/14	Project on schedule.
SH 340 King's View Estates	3	340A	6.2	Other - Medium Volume	\$1.250	\$0.000	\$0.000	\$0.000	\$0.000	2/20/14	FOR Scheduled for December. On track for AD in February.
SH 64 East of Rangely	3	064A	10	Other - Medium Volume	\$4.200	\$4.200	\$4.084	\$0.000	\$0.116	11/7/13	Project Advertised on November 7, 2013. Letting date December 5, 2013.
US 40 Steamboat East and West	3	040A	8.3	NHS - High Volume	\$6.000	\$0.000	\$0.000	\$0.000	\$0.000	5/1/14	On schedule for May 2014 AD date.
US 50 Whitewater East	3	050A	4.1	NHS - High Volume	\$2.600	\$0.232	\$0.015	\$0.002	\$0.215	3/13/14	Working on contract with railroad. Project on schedule for March 2014 AD date.
US 6 Edwards E & W	3	006E	7.1	Other - High Volume	\$3.500	\$0.013	\$0.000	\$0.013	\$0.000	2/20/14	FOR plans submitted late November 2013. On schedule for February 2014 AD date.
Vail Interstate Frontage Roads	3	70FrN and 70FrS	11	Interstate - Frontage Roads	\$4.600	\$4.600	\$4.527	\$0.000	\$0.073	11/27/13	Project Advertised on November 27, 2013. Letting date December 19, 2013.
Region 3 Totals			96.3		\$64.500	\$19.804	\$12.789	\$5.738	\$1.277		
Project Name	Region	Highway	Project Centerline Lane Miles	Traffic Based Pavement Category	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
Region 4											
I-76 East of Crook to Sedgewick	4	076A	16.5	Interstate	\$25.000	\$22.762	\$18.642	\$0.000	\$4.120	10/31/13	Project went to AD on October 31st. Project letting date of November 21, 2013.
Ault to Wyoming (Ault to Nunn)	4	085L	21.2	Other - High Volume	\$9.500	\$2.097	\$0.016	\$0.488	\$1.593	1/9/14	Project team is in process of revising design to remain within planning budget. Project needs to be ReStiped. Anticipated advertisement in December/January with revised limits.
Boulder/Weld CL East	4	119C	3.8	NHS - High Volume	\$12.000	\$0.000	\$0.000	\$0.000	\$0.000	4/17/14	FIR scheduled for December. Flood recovery could impact a small portion of roadway, but decision on bridges could impact decision to proceed with project.
US 287: Conifer to Willow	4	287C	0.5	NHS - High Volume	\$1.000	\$1.752	\$1.319	\$0.433	\$0.000	-	This has been discussed with Scott McDaniel. RAMP partnership project 4-20 may impact overall need for this funding. No AD date has been established for this project.

East of I-25 to WCR 23	4	014C	7.8	Other - High Volume	\$12.500	\$0.000	\$0.000	\$0.000	\$0.000	3/6/14	FIR/FOR planned for January. Structure work is being coordinated, but waiting on answer on funding commitment for structure work.
Harmony South (Harmony Rd. Phase 2A)	4	287C	2.9	NHS - High Volume	\$4.200	\$1.208	\$0.973	\$0.235	\$0.000	4/3/14	This project was being designed as a larger project from 29th to SH 14. This portion will be broken out as SH 392 to Harmony. Project on schedule for April advertisement.
Partner w/ Boulder-East of 36 (Iris) SH119 Reconstruction: 28th to 30th St.	4	119B	0.4	NHS - High Volume	\$0.400	\$0.500	\$0.388	\$0.112	\$0.000	-	This was money to partner with Boulder on a project being constructed by the LA. This project is also intertwined with RAMP partnership project(4-54). Funding still required but RAMP may impact ultimate advertisement date of this project.
Slab replacements	4	076A	10	Interstate	\$2.400	\$2.081	\$0.837	\$1.244	\$0.000	4/18/13	Project will be completed in December 2013.
Region 4 Totals			63.1		\$67.000	\$30.400	\$22.175	\$2.512	\$5.713		
Project Name	Region	Highway	Project Centerline Lane Miles	Traffic Based Pavement Category	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
Region5											
US 491 New Mexico to Jct 160	5	491A	6.4	NHS - Medium	\$3.000	\$1.517	\$0.547	\$0.522	\$0.448	4/24/14	Project on track for April 2014 Ad date.
US 491 New Mexico to Jct 160	5	160A	11.7	NHS - High Volume	\$16.708	\$0.000	\$0.000	\$0.000	\$0.000	4/24/14	Project on track for April 2014 Ad date.
SH 145 Cortez north to Dolores River Bridge	5	145A	9.3	NHS - High Volume	\$8.500	\$0.099	\$0.001	\$0.051	\$0.047	1/16/14	PS&E package near final on schedule for AD date
SH 62 MP 0.0 to 10.0	5	SH62	10	Other -Medium Volume	\$0.750	\$0.000	\$0.000	\$0.000	\$0.000	3/13/14	FIR scheduled for 12/10/13 on schedule for AD date
US 160 Hesperus to Durango (West of Wildcat Canyon)	5	160A	10.3	NHS - High Volume	\$9.000	\$0.342	\$0.246	\$0.011	\$0.085	3/24/14	Held FIR/FOR November 19th. AD scheduled for March 27, 2014
US 160 La Veta Pass	5	160A	5.1	NHS - Medium	\$6.500	\$0.068	\$0.000	\$0.008	\$0.060	4/17/14	Budget Action submitted. Ad Date advanced to 1/16/14
US 285 Antonito North	5	285A	4.7	NHS - Medium	\$4.500	\$0.139	\$0.085	\$0.003	\$0.051	4/10/14	FIR 11/25/13 on schedule for ad date
US 285 in Antonito Reconstruction	5	285A	1.1	NHS - Medium	\$5.000	\$0.505	\$0.060	\$0.198	\$0.247	4/24/14	Working to ad RAMP partnership FOR scheduled for 2/12/14
Region 5 Totals			58.6		\$53.958	\$2.670	\$0.939	\$0.793	\$0.938		

FY14 Surface Treatment Totals

296

\$262.290

\$64.026

\$35.903

\$9.232

\$18.891

Note: This \$262M dollar amount has been before TC and approved, however, the total amount will have to fit in to the \$238.8M allotted to surface treatment

Project Name	FY14 Approved Budget (Millions)	Project Estimate (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
<b>Region 1</b>								
Region 1 Preventative Maintenance	\$8.430	-	\$0.840	\$0.521	\$0.088	\$0.231	-	Bridge Preventative Maintenance values shown for project budget, encumbrance, expenditure and balance unspent are for Design only, spread across the five regions. Tracking of individual packages and projects will be performed during construction.
<b>Region 1 Preventative Maintenance Construction Packages</b>								
Package 1 (6 Bridges Total)	-	\$2.792	-	-	-	-	1/17/14	FOR Package submitted November 22, 2013. On track for January 2014 AD Date
Package 2 (9 Bridges Total)	-	\$3.187	-	-	-	-	1/23/14	FOR Package submitted November 25, 2013. On track for January 2014 AD Date
Package 3 (4 Bridges Total)	-	\$2.089	-	-	-	-	1/30/14	FOR Package submitted December 2, 2013. On track for January 2014 AD Date
Special Projects (2 Bridges Total)	-	\$1.212	-	-	-	-	1/30/14	FOR December 9, 2013. On track for January 2014 AD Date
Maintenance	-	\$0.253	-	-	-	-	-	This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.
<b>Region 1 Preventative Maintenance Construction Packages Total</b>		<b>\$9.533</b>						
Region 1 Bridge Repair	\$9.270	\$9.270	-	-	-	-	-	Projects identified include the costs for Bridge Repair, however, individual projects have not been identified. The FY14 Bridge budget includes Bridge Enterprise and other fixed costs. This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.
<b>Region 2</b>								
Region 2 Preventative Maintenance	\$7.970		\$0.840	\$0.521	\$0.088	\$0.231	-	Bridge Preventative Maintenance values shown for project budget, encumbrance, expenditure and balance unspent are for Design only, spread across the five regions. Tracking of individual packages and projects will be performed during construction.
<b>Region 2 Preventative Maintenance Construction Packages</b>								
Package 1 (6 Bridges Total)		\$0.358	-	-	-	-	2/7/14	FOR Package to be submitted November 28, 2013. On track for February 2014 AD Date
Package 2 (9 Bridges Total)		\$4.191	-	-	-	-	2/28/14	FOR Package to be submitted November 28, 2013. On track for February 2014 AD Date
Package 3 (9 Bridges Total)		\$4.350	-	-	-	-	2/28/14	FOR Package to be submitted November 28, 2013. On track for February 2014 AD Date
<b>Region 2 Preventative Maintenance Construction Packages Total</b>		<b>\$8.899</b>						
Region 2 Bridge Repair	\$4.550	\$4.550	-	-	-	-	-	Projects identified include the costs Bridge Repair, however, individual projects have not been identified. The FY14 Bridge budget includes Bridge Enterprise and other fixed costs.

Project Name	FY14 Approved Budget (Millions)	Project Estimate (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
<b>Region 3</b>								
Region 3 Preventative Maintenance	\$8.370		\$0.840	\$0.521	\$0.088	\$0.231		Bridge Preventative Maintenance values shown for project budget, encumbrance, expenditure and balance unspent are for Design only, spread across the five regions. Tracking of individual packages and projects will be performed during construction.
<b>Region 3 Preventative Maintenance Construction Packages and Projects</b>								
SH 13 South of Craig (1 Bridge added to Surface Treatment Project)		\$0.022	-	-	-	-	1/16/14	On track for AD on January 6. (Encumbrance and Expenditure shown on Surface Treatment Project)
US 40 Steamboat East and West (1 bridge added to Surface Treatment Project)		\$0.056	-	-	-	-	5/1/14	On track for May 2014 AD date. (Encumbrance and Expenditure shown on Surface Treatment Project)
US 64 East of Rangley( 3 bridges added to Surface Treatment project)		\$0.057	-	-	-	-	11/7/13	Project Advertised on November 7, 2013. Letting date December 5, 2013. (Encumbrance and Expenditure shown on Surface Treatment Project)
I-70 West Vail Pass (3 bridges added to Surface Treatment Project)		\$0.500	-	-	-	-		(Encumbrance and Expenditure shown on Surface Treatment Project)
SH 340 King's View Estates (2 bridges added to Surface Treatment Project)		\$0.314	-	-	-	-	2/20/14	FOR Scheduled for December. On track for AD in February. (Encumbrance and Expenditure shown on Surface Treatment Project)
I-70 Rifle to Silt (14 bridges added to Surface Treatment Project)		\$1.704	-	-	-	-	2/27/14	Project is in design phase, FOR scheduled for December 2013. (Encumbrance and Expenditure shown on Surface Treatment Project)
Mesa and Garfield Counties Package (9 bridges total)		\$2.056	-	-	-	-	1/15/14	FOR in December 2013. On track for AD in January 2014
Glenwood Springs Package (7 bridges total)		\$3.784	-	-	-	-	1/15/14	FOR in December 2013. On track for AD in January 2014
Region 3 Preventative Maintenance Construction Packages and Projects Total		\$8.358						
Region 3 Bridge Repair	\$2.250	\$2.250	-	-	-	-	-	Projects identified include the costs for Bridge Preventative Maintenance and Bridge Repair, however, individual projects have not been identified. The FY14 Bridge budget includes Bridge Enterprise and other fixed costs.
<b>Region 4</b>								
Region 4 Preventative Maintenance	\$6.850	-	\$0.840	\$0.521	\$0.088	\$0.231	-	Bridge Preventative Maintenance values shown for project budget, encumbrance, expenditure and balance unspent are for Design only, spread across the five regions. Tracking of individual packages and projects will be performed during construction.

Region 4 Preventative Maintenance Construction Packages								
Package 1 (11 Bridges Total)		\$2.136	-	-	-	-	2/21/14	FOR Scheduled for December 2013. On track for February 2014 AD Date.
Package 2 (12 Bridges Total)		\$1.972	-	-	-	-	2/7/14	FOR Scheduled for December 2013. On track for February 2014 AD Date.
Package 3 (12 Bridges Total)		\$2.257	-	-	-	-	3/2/14	FOR Scheduled for December 2013. On track for February 2014 AD Date.
Package 4 (5 Bridges Total)		\$1.270	-	-	-	-	3/2/14	FOR Scheduled for December 2013. On track for February 2014 AD Date.
Region 4 Preventative Maintenance Construction Packages Total		\$7.635						
Region 4 Bridge Repair	\$3.170	\$3.170	-	-	-	-	-	Projects identified include the costs for Bridge Preventative Maintenance and Bridge Repair, however, individual projects have not been identified. The FY14 Bridge budget includes Bridge Enterprise and other fixed costs.
Project Name	FY14 Approved Budget (Millions)	Project Estimate (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
Region 5								
Region 5 Preventative Maintenance	\$1.680	-	\$0.840	\$0.521	\$0.088	\$0.231	-	Bridge Preventative Maintenance values shown for project budget, encumbrance, expenditure and balance unspent are for Design only, spread across the five regions. Tracking of individual packages and projects will be performed during construction.
Region5 Preventative Maintenance Construction Projects								
SH 145 - Delores-Rico (1 bridge added to Surface Treatment Project)		\$0.114	-	-	-	-	1/16/14	Project on track for January AD date. (Encumbrance and Expenditure shown on Surface Treatment Project)
US 491 New Mexico to Jct 160 (2 bridges added to Surface Treatment Project)		\$0.132	-	-	-	-	4/24/14	Project on track for April 2014 Ad date. (Encumbrance and Expenditure shown on Surface Treatment Project)
SH 149/US 160 - South Fork (4 bridges added to Surface Treatment Project)		\$0.912	-	-	-	-	-	-
SH 368/SH 17 Alamosa South (3 bridges added to Surface Treatment Project)		\$0.466	-	-	-	-	-	-
US 285 in Antonito Reconstruction (2 Bridges added to Surface Treatment Project)		\$0.233	-	-	-	-	4/24/14	(Encumbrance and Expenditure shown on Surface Treatment Project)
Region 5 Preventative Maintenance Construction Projects Total		\$1.857						
Region 5 Bridge Repair	\$1.010	\$1.010	-	-	-	-	-	Projects identified include the costs for Bridge Preventative Maintenance and Bridge Repair, however, individual projects have not been identified. The FY14 Bridge budget includes Bridge Enterprise and other fixed costs.
	\$53.550	\$54.675	\$4.200	\$2.605	\$0.440	\$1.155		

	Project Name	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
FY14 Tunnels								
1	Eisenhower-Johnson Memorial Tunnel	\$5.150	\$0.000	\$0.000	\$0.000	\$0.000	3/20/14	Design is shelved. Project is on track for a March 2014 Ad date.
2	Hanging Lake Tunnel (Lighting Retrofit)	\$1.550	\$1.020	\$0.000	\$0.000	\$1.020	9/24/13	Project has been advertised and bid Opening was on 10/23/13
3	Wolf Creek Tunnel	\$0.700	\$0.125	\$0.086	\$0.000	\$0.039	10/16/14	Completing the design task order to get a lighting consultant on board to design the lighting upgrades
		\$7.400	\$1.145	\$0.086	\$0.000	\$1.059		

	Project Name	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
FY14 Rockfall								
1	Risk Reduction Region 1 Clear Creek Canyon Corridor (US6, SH119) Construction	\$1.500	\$1.500	\$0.000	\$0.000	\$1.500	-	Project still in design. Construction has not started yet.
2	Risk Reduction Region 1 Clear Creek Canyon Corridor (US6, SH119) Design	\$0.200	\$0.200	\$0.162	\$0.010	\$0.028	-	Design task order with consultant to be completed by late December 2013.
3	Risk Recuction Region 5 High Risk Outliers (SH3, SH145) Construction	\$4.000	\$4.000	\$0.000	\$0.000	\$4.000	-	Project still in design. Construction has not started yet.
4	Risk Recuction Region 5 High Risk Outliers (US 550) Construction	-	\$0.000	\$0.000	\$0.000	\$0.000	-	Project still in design. Construction has not started yet.
5	Risk Recuction Region 5 High Risk Outliers (SH3, SH145, US550) Design	\$0.100	\$0.100	\$0.162	\$0.010	-\$0.072	-	Design is ongoing.
6	Risk Reduction/070 Georgetown Hill/Construction	\$0.400	\$0.400	\$0.000	\$0.000	\$0.400	-	Money moved from FY13 for construction shortfall.
7	Risk Reduction/Statewide/Design and Feasibility Study	\$0.300	\$0.300	\$0.000	\$0.000	\$0.300	-	This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.
8	Emergency Response/Statewide/Construction	\$0.650	\$0.150	\$0.162	\$0.010	-\$0.022	-	This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.
9	Emergency Response - Statewide Rock Scaling	\$0.150	\$0.500	\$0.162	\$0.010	\$0.328	-	This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.
10	Emergency Response - Region 4 Debris Flow Barriers (SH14 Poudre Canyon)	\$0.500	\$0.200	\$0.162	\$0.010	\$0.028	-	Project on hold due to flooding
11	Emergency Response - Region 2 Debris Flow Warning	-	\$0.100	\$0.162	\$0.010	-\$0.072	-	Project approximately 50% complete
12	Emergency Response - Region 5 Wall Repairs (US 550 Red Mountain Pass)	-	\$0.650	\$0.162	\$0.010	\$0.478	-	Project Complete.
13	Maintenance - Region 3 I-70 Glenwood Canyon	\$0.550	\$0.550	\$0.162	\$0.010	\$0.378	-	Project anticipated to start December 2013
14	Maintenance - Region 1 SH 119 Replace and Improve Roadside Barrier	\$0.100	\$0.100	\$0.162	\$0.010	-\$0.072	-	Project Complete.
15	Maintenance - Statewide inspection and Repairs	\$0.550	\$0.550	\$0.162	\$0.010	\$0.378	-	This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.
		\$9.000	\$9.300	\$1.620	\$0.100	\$7.580		

	Project Name	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
FY14 Buildings								
1	Empire (17-bay vehicle storage facility replacement)	\$3.400	\$3.150	\$0.250	\$0.008	\$2.892	1/30/14	Project anticipated for AD in January 2014
2	CO Sand Sheds (Colbran, Douglas Pass Summit, Joes, Berthoud Falls, Snowmass, New Raymer, Durango, Villa Grove, Gobbler's Knob)	\$3.000	\$4.055	\$0.326	\$0.085	\$3.644	1/30/14	Sand sheds are grouped into 3 total packages with the first package anticipated for AD in January. The second two groups are anticipated to go to AD in April 2014.
3	Controlled Maintenance	\$2.000	\$2.729	-	-	-	-	This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project. Funds are re-allocated to Region centers and not trackable through Property Management.
4	Deferred Maintenance	\$0.350	\$0.365	\$0.000	\$0.324	\$0.041	-	This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.
5	Fairplay (15-bay vehicle storage facility +site needs + training room)	\$2.550	\$3.425	\$0.156	\$0.000	\$3.269	-	Work is continuing
		\$11.300	\$11.750	\$0.732	\$0.417	\$10.600		\$2.79 M of Remaining Project Budget total was re-assigned to Region cost centers and can not be tracked through Property Management.

	Project Name	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
FY14 ITS								
1	CTMC Video Wall Upgrade - Golden at the CTMC	\$1.258	\$1.258	\$1.258	\$0.000	\$0.000	3/20/14	Consultant on board. Design 50% Complete. Estimated project completion 9/2014.
2	ITS Network Upgrade - Golden at the CTMC	\$1.943	\$1.943	\$1.443	\$0.500	\$0.000	-	Scope involves purchasing of equipment. Purchase requests have been approved delivery scheduled for mid February installation to follow before end of FY14. Project to be done in-house so there is no Advertisement date for this project.
3	ITS System Equipment Upgrade - Golden at the CTMC	\$0.867	\$0.867	\$0.417	\$0.450	\$0.000	-	Scope involves purchasing of equipment. 50% of purchase requests approved and the other 50% of purchase requests held by OIT COMPASS. 100% of approved equipment received and installed. Project to be done in-house so there is no Advertisement date for this project.
4	VMS Replacement - SB US 85 @ Aspen Grove and Colo Blvd Fiber	\$0.713	\$0.530	\$0.434	\$0.000	\$0.096	10/3/13	Scope includes 2 signs and fiber optic cable. Project awarded. Anticipated April, 2014 project completion.
5	VMS Replacement - EB I-70 @ New Castle	\$1.720	\$0.035	\$0.000	\$0.031	\$0.004	1/23/14	Scope includes 5 signs. Design 90% complete. Anticipated October, 2014 project completion
6	VMS Replacement -SB U S550 @ Montrose	\$3.795	\$0.050	\$0.000	\$0.000	\$0.050	1/23/14	Scope includes 11 signs. Design 70% complete. Anticipated Sept, 2014 project completion.
7	I-25 North ITS Devices	\$2.920	\$0.330	\$0.330	\$0.000	\$0.000	1/23/14	Under design
8	TTI Upgrades - 025A 120th Ave to Colorado Springs	\$1.000	\$0.000	\$0.000	\$0.000	\$0.000	2/27/14	Under design
9	TTI Upgrades - 470A entire route	\$1.000	\$0.000	\$0.000	\$0.000	\$0.000	2/27/14	Under design
10	TTI Upgrades - 070A Vail to Tower Rd.	\$3.000	\$2.887	\$2.882	\$0.005	\$0.000	4/25/13	Under construction
11	VMS - 025A mm 132 Colorado Springs	\$0.300	\$3.456	\$0.000	\$0.329	\$3.127	12/15/13	Under design
12	ITS Statewide Node Building Equipment Upgrade	\$2.980	\$2.032	\$2.032	\$0.000	\$0.000	10/3/13	Awarded. Precon stage
		\$21.496	\$13.388	\$8.796	\$1.315	\$3.277		

Attachment A: FY14 Culverts

Project Name	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
FY14 Culverts							
	\$11.500		-	-	-	-	At this time, three FY14 critical culvert projects have been identified in SAP. Until culvert projects are further identified it is assumed this is on-going work throughout the fiscal year.
SH145 FY14 Priority Culvert (Region 5)		\$0.6940	\$0.2320	\$0.4630	\$0.0000	6/20/13	Project Awarded. Notice to Proceed Date August 21, 2013
R5 FY 14 Priority Culverts Region Wide		\$0.3310	\$0.1270	\$0.1150	\$0.0890	4/3/14	Working on Environmental Clearances.
Region 2 Critical Culverts FY14		\$0.2950	\$0.0000	\$0.0000	\$0.2950	8/14/14	Construction to be separated into three packages.
	\$11.5000	\$1.3200	\$0.3590	\$0.5780	\$0.3840		

Project Name	FY14 Approved Budget (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
FY14 Fleet							
	\$20.900	\$21.792	\$8.014	\$13.778	\$0.000	-	162 pieces of equipment have been ordered. This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.
FY14 MLOS							
	\$249.000	\$249.000	\$0.000	\$91.131	\$157.869	-	This is on-going work throughout the fiscal year, therefore no Scheduled AD date is applied to this project.

	Project Name	Approved Transportation Commission Allotment (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Nov 8, 2013 (Millions)	Remaining Project Budget (Millions)	AD Date	Comments
Accelerated Surface Treatment								
1	I-70 East - Flagler to Bethune - SMA Mill & Fill (West of Flagler)	\$11.700	\$11.702	\$5.750	\$5.952	\$0.000	Mar-13	Project will likely slow down due to low temperatures and resume next Spring 2014.
2	I-25 From State line to MP 7.5	\$11.900	\$10.624	\$8.589	\$2.034	\$0.000	Apr-13	Project currently on schedule and budget.
3	US 50A Canon City to Penrose (West of Royal Gorge Entrance, East)	\$6.500	\$7.067	\$1.258	\$5.808	\$0.000	Mar-13	\$800k change order for additional one mile of widening and drainage improvements
4	I-70 Eagle to Wolcott	\$5.000	\$11.961	\$1.041	\$10.916	\$0.003	Jan-13	Accepted all work 100% complete
5	I-70 Glenwood Canyon Concrete (Glenwood Canyon PCCP Phase 4)	\$9.400	\$9.426	\$0.106	\$8.735	\$0.585	Dec-12	Work Completed. Project Accepted June 19, 2013.
6	I-76 Sedgwick - State Line PH IV	\$18.300	\$18.290	\$0.647	\$17.633	\$0.000	Jan-13	Time suspended due to delay in the delivery of light poles. Anticipated completion date December 2013.
7	US285 North of Monte Vista Resurfacing	\$6.500	\$6.313	\$0.607	\$5.705	\$0.000	Apr-13	Project completed September 16, 2013.
8	US 491 Dove Creek(Cahone) to Utah State Line	\$6.500	\$6.520	\$1.047	\$5.473	\$0.000	Mar-13	Project completed September 30, 2013
9	US 6 - Sheridan to Simms	\$7.000	\$5.349	\$0.874	\$4.475	\$0.000	Mar-13	Project completed November 2013.
10	US 285: SH 88 (Federal Blvd.) to Marion Street - Overlay	\$4.700	\$5.036	\$0.947	\$3.863	\$0.226	Mar-13	Project completed November 2013.
Totals		\$87.500	\$92.288	\$20.866	\$70.594	\$0.814		

	Project Name	Approved Transportation Commission Allotment (Millions)	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Scheduled AD Date	Comments
Advanced Funding								
1	SH 9 Reconstruction - North of Breckenridge (Coyne Valley to Agape Church)	\$10.000	\$10.810	\$7.045	\$3.765	\$0.000	Mar-13	Contractor is behind schedule but should be able to make up time next season. In order to make up delay, contractor anticipates bringing additional forces next season to make up delay.
2	I-25 at Cimarron Interchange	\$6.000	\$6.137	\$2.201	\$0.028	\$3.908	May-13	The project team is preparing the Design Build Procurement Documents. Letters of Interest (LOI) will be solicited early Spring 2014.
3	Region 3 Fiber optic project (I-70 Installation of Fiber Optic - now Vail to Glenwood Springs)	\$10.000	\$19.046	\$18.912	\$0.133	\$0.001	May-13	Construction just underway. First contractor payment anticipated in December 2013.
4	I-76: Ft Morgan to Brush (I-76 Major Surface Treatment, Phase 3 - Fort Morgan to Brush)	\$30.700	\$46.909	\$23.829	\$23.080	\$0.000	Jan-13	The estimated completion date for the project is December 2014.
5	US 160 Durango-Bayfield Passing Lane	\$0.800	\$0.800	\$0.355	\$0.257	\$0.188	-	Design is underway and will be at 60% in February 2014. On track for a Fall 2014 shelf date with no environmental clearances or ROW acquisitions.
6	US 160 S. of Cortez Passing Lane (US 160 Passing Lane Preconstruction - South of Cortez)	\$0.500	-	-	-	-	4/24/14	This is same project as US 491 New Mexico to Jct 160 shown in FY14 Surface Treatment projects. \$500k was advanced to accelerated survey and other preliminary design aspects. The expenditure, encumbrance and balance for this project are shown under FY14 Surface Treatment.
7	US 160/550 CFI in Durango (US 160 & US 550 - Construction of Continuous Flow Intersection - North Intersection in Durango)	\$3.000	\$5.662	\$4.628	\$0.462	\$0.572	May-13	The scheduled AD date was delayed due to recent government shutdown from October 10 to October 17, 2013. Project Advertised on October 17, 2013. Project Letting Date November 21, 2013.
8	I-70 East EIS	\$8.500	\$37.300	\$4.047	\$23.865	\$9.587	-	Region 1 continues to work on the Supplemental Draft EIS (SDEIS) and anticipates publishing it in the Spring of 2014. That will be followed quickly by a Final EIS, with a record of decision due in 2015.
Totals		\$69.500	\$126.66	\$61.0170	\$51.5900	\$14.2560		

Region	Project Name	Budget (Millions)	Encumbered (Millions)	Expenditures Life-to-Date (Millions)	Remaining Budget (Millions)	Scheduled AD Date	Comments
1	SH 88 ML/ Arapahoe over Cherry Creek	\$ 30.132	\$ 22.285	\$ 3.178	\$ 4.669	8/15/2013	
1	I76 ML EBND/WBND over UPRR	\$ 19.771	\$ 0.466	\$ 2.189	\$ 17.116	12/19/2013	Large budget balance pending encumbrance for AD
1	Peoria St over I76 ML	\$ 5.928	\$ 1.524	\$ 3.782	\$ 0.622	5/2/2013	
1	US40 ML EBND over Sand Creek	\$ 10.613	\$ 6.683	\$ 2.800	\$ 1.130	5/2/2013	
1	US 6 ML over South Platte River	\$ 16.378	\$ 13.109	\$ 1.328	\$ 1.941	10/15/2012	
1	US 6 ML over Bryant St	\$ 36.362	\$ 22.303	\$ 7.554	\$ 6.505	10/15/2012	
1	US 6 ML over BNSF RR	\$ 14.144	\$ 9.540	\$ 2.311	\$ 2.293	10/15/2012	
1	US40 ML Ebnd over Tollgate Creek	\$ 3.360	\$ 0.541	\$ 1.850	\$ 0.969	12/19/2013	
1	Tollgate Construction	\$ 13.603	\$ -	\$ -	\$ 13.603	12/19/2013	Large budget balance pending encumbrance for AD
1	SH44 over Bull Seep and So Platte River	\$ 13.711	\$ 8.682	\$ 3.700	\$ 1.329	9/26/2013	
1	SH 58 ML over Ford St	\$ 6.654	\$ 3.379	\$ 2.582	\$ 0.693	3/21/2013	
1	US287 ML over BNSF at 69th Avenue	\$ 2.017	\$ 0.332	\$ 1.348	\$ 0.337	6/20/2014	
1	US287 ML over BNSF at 69th Ave. Construction	\$ 15.000	\$ -	\$ -	\$ 15.000	6/20/2014	Large budget balance pending encumbrance for AD
1	US85 Louviers to MP 191.75	\$ 0.488	\$ 0.176	\$ 0.068	\$ 0.244	-	AD date hasn't been established
1	I-70 ML over Havana St.	\$ 1.800	\$ 0.372	\$ 1.126	\$ 0.302	9/17/2014	
1	I-70 ML over Havana St. Construction	\$ 31.159	\$ -	\$ -	\$ 31.159	9/17/2014	Large budget balance pending encumbrance for AD
1	US6 and Garrison	\$ 1.200	\$ 0.474	\$ 0.076	\$ 0.650	3/6/2014	
1	US6 and Garrison Construction	\$ 12.000	\$ -	\$ -	\$ 12.000	3/6/2014	Large budget balance pending encumbrance for AD
1	I-70 Viaduct in Denver County	\$ 39.500	\$ 7.929	\$ 0.163	\$ 31.408	-	Preconstruction only at this time
1	I-70 Viaduct in Denver County FY15	\$ 50.250	\$ -	\$ -	\$ 50.250	-	Preconstruction only at this time
1	I-70 Viaduct in Denver County FY16	\$ 8.080	\$ -	\$ -	\$ 8.080	-	Preconstruction only at this time
2	I-25ML over Indiana Avenue	\$ 0.475	\$ 0.073	\$ 0.072	\$ 0.330	12/12/2013	Preconstruction only - construction under 19205
2	Northern Avenue over I-25ML	\$ 0.675	\$ -	\$ -	\$ 0.675	12/12/2013	Preconstruction only - construction under 19205
2	I 25 SB & NB over RR, Ilex, Bennet St.	\$ 9.733	\$ 1.595	\$ 7.382	\$ 0.756	12/12/2013	Preconstruction only - construction under 19205
2	Ilex and 6 Rehabs	\$ 47.042	\$ -	\$ -	\$ 47.042	12/12/2013	Large budget balance pending encumbrance for RFP
2	SH 120 ML over RR and Arkansas River	\$ 6.133	\$ 1.860	\$ 3.997	\$ 0.276	5/25/2012	
2	US50 ML over Draw, BNSF RR	\$ 6.697	\$ 0.176	\$ 0.930	\$ 5.591	12/5/2013	Large budget balance pending encumbrance for AD
2	US350 ML over Purgatoire River	\$ 4.033	\$ 1.786	\$ 1.817	\$ 0.430	2/21/2013	

2	SH120 ML over Draw, UPRR	\$ 5.195	\$ 0.487	\$ 0.697	\$ 4.011	12/5/2013	Large budget balance pending encumbrance for AD
2	SH160ML over Smith Canyon	\$ 0.727	\$ 0.147	\$ 0.261	\$ 0.319	12/5/2013	
2	SH160ML over Smith Canyon Const.	\$ 1.073	\$ -	\$ -	\$ 1.073	12/5/2013	
2	I-25 Bus Route Over Sull Creek	\$ 3.084	\$ 2.332	\$ 0.527	\$ 0.225	10/24/2013	
2	SH69A Over Milliken Arroyo	\$ 0.727	\$ 0.121	\$ 0.366	\$ 0.240	-	Construction on hold
2	US50ML over draw	\$ 0.511	\$ 0.151	\$ 0.281	\$ 0.079	-	Construction on hold, may be combined with another structure
3	US 40 ML over East Fork Elk River	\$ 6.559	\$ 0.938	\$ 5.487	\$ 0.134	12/13/2012	
3	SH82 ML over I70 ML,COLORADO RVR,RR	\$ 21.731	\$ 5.814	\$ 7.760	\$ 8.157	2/12/2015	Environmental & Partial Design
3	SH82 ML over I70 ML,COLORADO River, RR - Preconstruction	\$ 3.592	\$ -	\$ -	\$ 3.592	2/12/2015	Final design, Right-of-Way
3	SH82 ML over I70 ML,COLORADO River, RR - Construction	\$ 73.260	\$ -	\$ -	\$ 73.260	2/12/2015	Large budget balance pending encumbrance for AD
3	I70 ML EBND & WBND over US 6, RR, Eagle River	\$ 3.393	\$ 0.299	\$ 1.415	\$ 1.679	1/16/2014	
3	I70 ML EBND & WBND over US 6, RR, Eagle River - Construction	\$ 11.961	\$ -	\$ -	\$ 11.961	1/16/2014	Large budget balance pending encumbrance for AD
4	SH 14 ML over Cache La Poudre River	\$ 2.467	\$ 0.184	\$ 2.215	\$ 0.068	12/16/2013	
4	SH 14 ML over Cache La Poudre River - Construction	\$ 12.176	\$ -	\$ -	\$ 12.176	12/16/2013	Large budget balance pending encumbrance for AD
4	US 85 Nunn Bridge over UPRR	\$ 7.653	\$ 2.053	\$ 5.203	\$ 0.397	1/10/2013	
Total Active Projects		\$ 561.047	\$ 115.811	\$ 72.465	\$ 372.771		

Structure Complete and Open to Traffic -Work Remaining							
1	I-25 ML NBND and SBND over US 85 ML	\$ 17.922	\$ 1.497	\$ 14.403	\$ 2.022	3/18/2011	
1	Pecos St over I-70 ML	\$ 25.503	\$ 1.004	\$ 24.153	\$ 0.346	8/7/2012	
1	US 6 ML over SH 95 ML/Sheridan Avenue	\$ 14.279	\$ 0.058	\$ 13.495	\$ 0.726	10/4/2011	
1	SH121 ML SBND over US36 ML	\$ 28.152	\$ 1.475	\$ 23.395	\$ 3.282	9/30/2011	
1	County Rd/Old Wadsworth over US36 ML	\$ 13.355	\$ 0.447	\$ 11.849	\$ 1.059	9/30/2011	
1	US85 ML over Dad Clark Gulch	\$ 3.031	\$ 0.026	\$ 2.977	\$ 0.028	8/16/2012	
4	SH 14 ML over Coal Bank Creek	\$ 7.528	\$ 1.622	\$ 4.834	\$ 1.072	11/1/2012	Bridge complete, utility relocation pending
Total		\$ 109.770	\$ 6.129	\$ 95.106	\$ 8.535		

# STATE OF COLORADO

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## DEPARTMENT OF TRANSPORTATION

### Chief Engineer's Office

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(303) 757-9656 – FAX



Date: December 6, 2013  
To: Colorado Transportation Commission  
From: Timothy J. Harris, Chief Engineer  
Subject: Status of RAMP Partnership & Operations Projects

This memo serves as an update for the RAMP Partnership & RAMP Operations projects as recommended by CDOT staff and approved by the Transportation Commission on October 16<sup>th</sup>, 2013. CDOT staff has compiled the program of projects into the following attached lists.

Attachment A – Selected RAMP Partnership Projects (public-private & public-public)

Attachment B – Selected RAMP Operations Projects

1. The program management team and finance staff has issued guidance to the Regions on the scope, schedule, and budget. CDOT staff has provided to the Regions the local commitment letter needed to confirm continued local partner commitment. Many of these items are being developed now by staff or are being reviewed by the local partners.
2. CDOT staff and the program management team continues to collect project data, including the updated scopes, schedules, and budgets, as well as, the signed evidence letter of continued local commitment from the local partner.
3. CDOT staff continues to receive applications for deadline extension for those projects impacted by the floods. The I-25 Corridor project has been granted an extension. In Region 4, only Larimer County has submitted a deadline extension request; Project #4-25 is waiting for the results of the flood assessment survey. Nine (9) additional RAMP Partnership & Operations projects are eligible for the extension, but CDOT staff has not received requests for extension on these projects.
4. Of the (43) RAMP Partnership projects, there are two (2) public-public partnership projects where the local partner (Las Animas County) has withdrawn their application, bringing the total number of RAMP Partnership projects to forty-one (41).
5. The total number of RAMP Operations projects remains unchanged at thirty-one (31).
6. Of the (41) RAMP Partnership projects, CDOT staff and the program management team has identified two (2) RAMP Partnership projects (5%) as requiring further development, either in terms of scope, schedule, and budget, or that the negotiation process with the local partner(s) is still on-going.

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7. CDOT staff and the program management team has identified thirty-six (36) public-public RAMP Partnership projects (95%) as having substantially completed project scopes, schedules, and budgets. The local partners are in the process of reviewing scopes, schedules, and budgets, and will provide signed evidence letters of continued local commitment as required by commission resolution. These projects are on-track to meet the Jan 7<sup>th</sup> deadline.
8. Of the (31) RAMP Operations projects, there are nineteen (19) RAMP Operations projects (61%) that CDOT is doing in-house and do not require a local partner. The criteria for validating the project scope, schedule, and budget still apply.
9. Additionally, of the remaining twelve (12) RAMP Operations projects (39%), these projects have either a private partner or local agency that is participating in the project because of the location of the work. Where there are matching local funds, an evidence letter of continued commitment will be required and reviewed by CDOT staff prior to the Jan 6<sup>th</sup> deadline as required by commission resolution. The criteria for validating the project scope, schedule, and budget still apply.

	Status for Approval of RAMP Funding	
Stage 1	Application Stage	
Stage 2	Under CDOT Development at Region	Regions
Stage 3	Under Local Partner Review	Locals
Stage 4	Under CDOT HQ Review	HQ
Stage 5	Approved	

Selected RAMP Partnership Projects - Attachment A

RAMP Tracking Number	Project Name (Description)	Applicant Name	Project Scope	Delivery Schedule	Budget	Local Commitment Letter	Deadline Extension	Total Project Cost Estimate	RAMP Request
Public-Private Partnerships: HPTE P3 Projects									
1-2	C-470 Managed Tolloed Express Lanes: Kipling to I-25 (pending P3 financial review and local govt. agreement)	C-470 Corridor Coalition	Under Local Partner Review	Under CDOT Development	Under CDOT Development	Under Local Partner Review	Not Eligible	\$200,000,000	\$100,000,000
4-5(a)	I-25: 120th to SH 7 Tolloed Express Lanes	CDOT R4	Under CDOT Development	Under CDOT Development	Under CDOT Development	No Local Partner; Not Required	Request Granted	\$1,040,000,000	\$55,000,000
4-5(b)	I-25: SH 7 North Tolloed Express Lanes	CDOT R4	Under CDOT Development	Under CDOT Development	Under CDOT Development	No Local Partner; Not Required	Request Granted		\$35,000,000
N/A	HPTE P3 Development Fund	N/A	N/A					\$200,000,000	\$40,000,000
TOTAL: Public-Private Partnerships (HPTE P3 Projects)								\$1,440,000,000	\$230,000,000

RAMP Tracking Number	Project Name (Description)	Applicant Name	Project Scope	Delivery Schedule	Budget	Local Commitment Letter	Deadline Extension	Total Project Cost Estimate	RAMP Request
Public-Public Partnerships: Large Projects \$20M +									
1-15	US 6 and SH 93: 19th St. Intersection Grade Separation	City of Golden	Under Local Partner Review	Not Eligible	\$25,000,000	\$20,000,000			
1-19	Colorado Blvd. in Idaho Springs: Phase 2 & Phase 3, and Devolution	City of Idaho Springs	Under CDOT Development at Region	Not Eligible	\$21,900,000	\$21,900,000			
1-37	Federal Blvd: 6th to Howard Reconstruction and Multimodal Improvements	City & County of Denver	Under CDOT Development at Region	Not Eligible	\$29,203,881	\$23,363,105			
1-46	I-25 and Arapahoe Rd. Interchange	Arapahoe County & the I-25/Arapahoe Interchange Coalition	Under CDOT Development at Region	Not Eligible	\$74,000,000	\$50,400,000			

RAMP Tracking Number	Project Name (Description)	Applicant Name	Project Scope	Delivery Schedule	Budget	Local Commitment Letter	Deadline Extension	Total Project Cost Estimate	RAMP Request
2-21	I-25 and Cimarron Interchange Reconstruction	PPACG	Under Local Partner Review	Not Eligible	\$30,000,000	\$24,000,000			
2-31	I-25 Ilex to 1st St. in Pueblo (includes devolution match in RAMP request)	PACOG	Under CDOT Development at Region	Not Eligible	\$33,200,000	\$22,000,000			
3-40	SH 9 Grand County Safety Improvement Project	Grand County	Under CDOT HQ Review	Not Eligible	\$46,000,000	\$36,222,000			
Subtotal: Large Projects								\$259,303,881	\$197,885,105
Public-Public Partnerships: Medium Projects \$10M - \$19.9M									
1-7	Eisenhower-Johnson Memorial Tunnels (EJMT) Fire Suppression System	CDOT – Region 1	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner; Not Required	Not Eligible	\$25,000,000	\$9,000,000
1-14	SH 2 in Commerce City Widening and Devolution	City of Commerce City	Under Local Partner Review	Not Eligible	\$20,800,000	\$13,600,000			
2-22	I-25 Fillmore Interchange Diverging Diamond Interchange (DDI) Conversion	PPACG	Under Local Partner Review	Not Eligible	\$21,300,000	\$11,000,000			
3-9	I-70 Simba Run Underpass	Town of Vail	Under CDOT Development at Region	Not Eligible	\$20,800,000	\$14,600,000			
3-12/29	SH 9 - Frisco to Breckenridge: Iron Springs Alignment	Summit County	Under CDOT HQ Review	Under CDOT HQ Review	Under Local Partner Review	Under Local Partner Review	Not Eligible	\$21,985,000	\$17,500,000
4-20	US 287: (North College) Conifer to Laporte Bypass	City of Ft. Collins	Under CDOT Development at Region	Eligible	\$36,000,000	\$17,500,000			
5-15	SH 62 Ridgway Street Improvements (pending approval of local match)	Town of Ridgway	Under Local Partner Review	Not Eligible	\$13,791,257	\$10,494,509			
Subtotal: Medium Projects								\$159,676,257	\$93,694,509
Public-Public Partnerships: Small Projects < \$10M									
2-1	SH 67 in Victor Devolution (cash payment)	City of Victor	Under Local Partner Review	Not Eligible	\$307,702	\$307,702			
2-5	US 160 Turnouts	Town of La Veta/Huerfano	Under Local Partner Review	Not Eligible	\$1,015,000	\$840,000			
2-7	US 24 Business Route Devolution (cash payment)	El Paso County	Under Local Partner Review	Not Eligible	\$2,602,475	\$2,602,475			

RAMP Tracking Number	Project Name (Description)	Applicant Name	Project Scope	Delivery Schedule	Budget	Local Commitment Letter	Deadline Extension	Total Project Cost Estimate	RAMP Request
2-20	US 50 / Dozier / Steinmeier Intersection / Signal Improvements (companion project - Operations 2-9)	City of Canon City	Under CDOT Development at Region	Not Eligible	\$1,500,000	\$1,200,000			
2-23	SH 21 / Old Ranch Rd. Interchange Completion	PPACG	Under Local Partner Review	Not Eligible	\$9,266,000	\$600,000			
2-27	I-25A: Exit 18 NW Frontage Rd. Devolution (cash-payment)	Las Animas County	Application Withdrawn				Not Eligible	\$110,544	\$110,544
2-29	I-25 Exit 11 SW Frontage Rd. Devolution (cash-payment)	Las Animas County	Application Withdrawn				Not Eligible	\$155,307	\$155,307
2-33	US 50 / SH 45 Interchange, Wills to Purcell-Pueblo (includes devolution match in RAMP request)(companion project 2-10)	PACOG	Under Local Partner Review	Not Eligible	\$10,000,000	\$5,000,000			
3-6	SH 6 / SH 13 in Rifle Devolution	City of Rifle	Under CDOT Development at Region	Not Eligible	\$5,600,000	\$5,600,000			
3-14	I-70 Eagle Interchange Upgrade	Town of Eagle	Under Local Partner Review	Not Eligible	\$9,887,365	\$3,500,000			
3-24	I-70 Exit 31 Horizon Drive	City of Grand Junction	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	Under Local Partner Review	Not Eligible	\$5,000,000	\$4,000,000
3-31	US 40 Improvements in Fraser	Town of Fraser	Under CDOT Development at Region	Not Eligible	\$1,950,390	\$1,267,754			
4-6	US 34 in Estes Park Improvements and Devolution	CDOT R4	Under CDOT Development at Region	Eligible	\$16,000,000	\$4,200,000			
4-25	SH 14 / Greenfields Ct. - Frontage Rd. Relocation and Intersection Improvements	Larimer County	Under CDOT Development at Region	Eligible; Request Submitted	\$2,100,000	\$1,680,000			
4-28	SH 392 & CR 47 Intersection Safety Improvements	Weld County	Under CDOT Development at Region	Not Eligible	\$3,685,180	\$1,842,590			
4-29	US 34 & CR 49 Intersection Safety Improvements	Weld County	Under CDOT Development at Region	Not Eligible	\$2,200,000	\$1,500,000			
4-30	SH 392 & CR 74 Intersection Safety Improvements	Weld County	Under CDOT Development at Region	Not Eligible	\$2,249,875	\$1,000,000			
4-34/51/52	Turning Lanes at US 34 and County Road H / US 385 & YCR 33.6 / US 34 & YCR J	Yuma County	Under CDOT Development at Region	Not Eligible	\$1,752,000	\$944,200			

RAMP Tracking Number	Project Name (Description)	Applicant Name	Project Scope	Delivery Schedule	Budget	Local Commitment Letter	Deadline Extension	Total Project Cost Estimate	RAMP Request
4-54	SH 119: (Diagonal) 30th to Foothills Parkway Multi-modal Improvements Project	City of Boulder	Under CDOT Development at Region	Eligible	\$5,570,000	\$4,456,000			
4-58	SH 119 Boulder Canyon Trail Extension	Boulder County	Under CDOT Development at Region	Eligible	\$5,466,350	\$4,373,080			
5-6	US 550 Sky Rocket Box Culvert Replacement	City of Ouray	Under Local Partner Review	Not Eligible	\$2,000,000	\$1,600,000			
5-8	SH 172 / 151 Signalization	Town of Ignacio	Under Local Partner Review	Not Eligible	\$1,800,000	\$1,430,000			
5-10	US 160 / Wilson Gulch Road Extension	City of Durango	Under Local Partner Review	Not Eligible	\$6,400,000	\$4,288,000			
5-13	SH 145 at CR P Safety Improvements	Montezuma County	Under Local Partner Review	Not Eligible	\$1,660,194	\$1,577,185			
5-14	US 285 Antonito Storm Drain System Replacement	Town of Antonito	Under Local Partner Review	Not Eligible	\$2,742,429	\$2,193,944			
5-18	US 24 Enhancement Project in Buena Vista	Town of Buena Vista	Under Local Partner Review	Not Eligible	\$2,497,090	\$1,997,090			
Subtotal: Small Projects								\$103,252,050	\$58,000,020
TOTAL: Public-Public Partnership Projects								\$522,232,188	\$349,579,634

	Criteria for approval of RAMP Funding	
Stage 1	Application Stage	
Stage 2	Under CDOT Development at Region	Regions
Stage 3	Under Local Partner Review	Locals
Stage 4	Under CDOT HQ Review	HQ
Stage 5	Approved	

Selected RAMP Operations Projects - Attachment B

RAMP Tracking Number	Project Name (Description)	Applicant Name	Project Scope	Delivery Schedule	Budget	Local Commitment Letter	Deadline Extension	Total Project Cost Estimate	RAMP Request
<b>RAMP Operations Projects</b>									
1-9	I-70 Eastbound Peak Period Shoulder Lanes	CDOT – Region 1	Under CDOT Development at Region	Not Eligible	\$34,000,000	\$20,000,000			
1-27	SH-74 South of El Rancho Safety Shoulders	Jefferson County	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner: Not Required	Not Eligible	\$57,947	\$57,947
1-41	State Highway Signal Upgrades - Phase I - Colfax Signals	City of Denver	Under Local Partner Review	Under Local Partner Review	Under Local Partner Review	Under CDOT Development at Region	Not Eligible	\$900,000	\$800,000
1-42	State Highway Signal Upgrades - Phase III - Denver Slipfit Traffic Signals	City of Denver	Under Local Partner Review	Under Local Partner Review	Under Local Partner Review	Under CDOT Development at Region	Not Eligible	\$24,900,000	\$900,000
1-44	State Highway Signal Upgrades - Phase I - Santa Fe and Evans Traffic Signal	City of Denver	Under Local Partner Review	Under Local Partner Review	Under Local Partner Review	Under CDOT Development at Region	Not Eligible	\$585,000	\$500,000
1-51	Continuous Flow Metering (CFM), Weight-in-Motion (WIM), and Relocated Portal Attendant Stations at Eisenhower-Johnson Memorial Tunnel (EJMT)	CDOT – Region 1 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner: Not Required	Not Eligible	\$2,575,000	\$2,575,000
1-53	New Traffic Signal Controllers for Congested Corridors in the Denver Metropolitan Area	CDOT – Region 1 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner: Not Required	Not Eligible	\$1,060,000	\$1,060,000
1-54	I-76 at 88th Ave. Interchange Improvements (MP 10)	CDOT – Region 1 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner: Not Required	Not Eligible	\$1,050,000	\$1,050,000
1-56	US 285 at Mount Evans Blvd./Pine Valley Rd. (MP 229)	CDOT – Region 1 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner: Not Required	Not Eligible	\$422,000	\$422,000
1-59	SH 86 Intersection Improvement at Crowfoot Valley Rd. (MP 101.53)	CDOT – Region 1 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner: Not Required	Not Eligible	\$516,000	\$516,000
1-63	I-70 at Grapevine Rd. (MP 256.0)	CDOT – Region 1 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner: Not Required	Not Eligible	\$189,000	\$189,000

RAMP Tracking Number	Project Name (Description)	Applicant Name	Project Scope	Delivery Schedule	Budget	Local Commitment Letter	Deadline Extension	Total Project Cost Estimate	RAMP Request
<b>RAMP Operations Projects</b>									
2-8	US 24 / Judge Orr Rd. Intersection Improvement	CDOT R2 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner; Not Required	Not Eligible	\$2,000,000	\$2,000,000
2-9	US 50 / Dozier Ave. Intersection Improvement (companion project to 2-20)	CDOT R2 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	-	Not Eligible	\$1,000,000	\$1,000,000
2-10	US 50 / Purcell and US 50 / McCulloch Intersection Improvement	CDOT R2 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner; Not Required	Not Eligible	\$1,200,000	\$1,200,000
2-17	US 50 / 32nd Ln., US 50 / Cottonwood Ave., US 50 / 34th Ln. Intersection Improvements	CDOT R2 Traffic	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner; Not Required	Not Eligible	\$1,500,000	\$1,500,000
3-33	I-70 Vail Chain Station Improvements	CDOT	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	-	Not Eligible	\$4,500,000	\$4,500,000
3-34	I-70 Glenwood Canyon Variable Speed Signing	CDOT	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	-	Not Eligible	\$2,200,000	\$2,200,000
4-13	Adaptive Signal Control - US85 Greeley	City of Greeley	Under CDOT HQ Review	Under CDOT HQ Review	Under CDOT HQ Review	Under CDOT Development at Region	Not Eligible	\$750,000	\$600,000
4-35	Loveland I-25 and Crossroads Blvd. Anti-Icing Spray System	City of Loveland	Under CDOT Development at Region	Eligible	\$250,000	\$200,000			
4-36	Loveland Road Weather Information System (RWIS) Update / Expansion	City of Loveland	Under CDOT Development at Region	Eligible	\$380,000	\$304,000			
4-41	Adaptive signals on US 34 Bypass in Greeley	CDOT R4	Under CDOT HQ Review	Under CDOT HQ Review	Under CDOT HQ Review	No Local Partner; Not Required	Not Eligible	\$500,000	\$400,000
4-42	Fiber Optics and ITS Devices on I-76	CDOT R4	Under CDOT HQ Review	Under CDOT HQ Review	Under CDOT HQ Review	No Local Partner; Not Required	Not Eligible	\$11,000,000	\$5,000,000
4-44/49	Adaptive Signals on SH 119 Airport Rd. to Zlaten Dr. in Longmont / Adaptive Signals on SH 119: I-25 to WCR 3.5	CDOT R4	Under CDOT HQ Review	Under CDOT HQ Review	Under CDOT HQ Review	Under CDOT Development at Region	Eligible	\$1,850,000	\$1,680,000
4-50	Fiber Optic Communication from I-25 to CDOT West Yard	CDOT R4	Under CDOT HQ Review	Under CDOT HQ Review	Under CDOT HQ Review	No Local Partner; Not Required	Eligible	\$1,700,000	\$1,700,000
4-66	Adaptive Traffic Signals System along US 287 (Main St.) in Longmont	City of Longmont	Under CDOT Development at Region	Eligible	\$1,760,000	\$1,100,000			
5-3	US 160 Corridor Signalized Intersection Improvements and Signal Coordination	CDOT Region 5 Traffic and Safety Program	Under CDOT Development at Region	Under CDOT Development at Region	Under CDOT Development at Region	No Local Partner; Not Required	Not Eligible	\$3,757,844	\$3,757,844

RAMP Tracking Number	Project Name (Description)	Applicant Name	Project Scope	Delivery Schedule	Budget	Local Commitment Letter	Deadline Extension	Total Project Cost Estimate	RAMP Request
RAMP Operations Projects									
O-1	Fiber Optic Backbone - I-25(Pueblo to Walsenburg); and US 285 (C-470 to Conifer)	CDOT ITS	Under CDOT Development at CTMC	Not Eligible	\$3,500,000	\$3,500,000			
O-2	I-70 Mountain Corridor Wireless Improvement	CDOT ITS	Under CDOT Development at CTMC	Not Eligible	\$5,300,000	\$1,700,000			
O-3	CDOT ITS Information Kiosks- Pilot Project	CDOT ITS	Under CDOT Development at CTMC	Under CDOT Development at CTMC	Under CDOT Development at CTMC	No Local Partner; Not Required	Not Eligible	\$480,000	\$480,000
O-4	Regional Satellite Solar Powered Cameras (LiveView)	CDOT ITS	Under CDOT Development at CTMC	Under CDOT Development at CTMC	Under CDOT Development at CTMC	No Local Partner; Not Required	Not Eligible	\$1,750,000	\$1,750,000
O-6	Enhanced Traffic Incident Management Software	CDOT ITS	Under CDOT Development at CTMC	Not Eligible	\$7,000,000	\$3,000,000			
TOTAL: RAMP Operations Projects								\$118,632,791	\$65,641,791

# Portfolio, Cash and Program Management Phase I Report

December 5, 2013

**AECOM**



DYE MANAGEMENT GROUP, INC.



**Colorado Department of Transportation  
Portfolio Management, Cash Management, and Program  
Management Project  
Phase I Report  
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## Executive Summary



While the Colorado Department of Transportation (CDOT) has high customer satisfaction as reported in statewide customer surveys, Colorado has significant transportation needs that the state has been unable to meet and obtaining adequate resources through a tax or fee increase will be difficult. CDOT is committed to using available resources as effectively and efficiently as possible to address these transportation needs. While effectiveness is being addressed in other CDOT initiatives, CDOT has identified that additional construction can be funded by changing how CDOT programs and budgets projects. This was made possible, to a large extent, with the implementation of SAP. However, this change in programming and budgeting increases the complexity and risks of program management. Therefore, CDOT has concluded that its historically successful program management must be refined and augmented so it can continue to efficiently address the transportation needs of Colorado.

Prior to the recovery and rebuilding following the flood, CDOT faced the challenge of delivering approximately \$900 million annually in a capital improvement program, a 50 percent increase over recent years. To help address this challenge and improve long-term project delivery, CDOT initiated the Portfolio, Cash and Program Management Project, commonly referred to as the “Portfolio Project”.<sup>1</sup> CDOT has determined that it must have the ability to effectively and efficiently:

1. Integrate program and project management with project selection methodologies, including asset management.
2. Schedule activities based on projected resource availability, including cash balance projections.
3. Monitor program and project performance against performance metrics and report the information to various organizational levels.
4. Extract data to facilitate responses to routine and non-routine inquiries.
5. Support reporting to internal and external stakeholders in a transparent manner.

The Portfolio Project will define the business systems and management processes that will allow CDOT to plan, manage, track, and deliver its programs and projects as a cohesive portfolio. The Portfolio Project will support CDOT with the implementation of the systems and management processes needed to ensure timely delivery of the program. This report describes the current or “as-is” situation, along with associated strengths and improvement opportunities as determined by the AECOM/Dye/LS Gallegos team (portfolio project team) through interviews, document

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<sup>1</sup> CDOT uses the term “portfolio management” to refer to the management of a group of projects that have similar project management needs based on their risks and the term “cash management” to refer to project budgeting based on a project’s cash flow, rather than its encumbrances or federal aid highway obligation authority. CDOT uses the term “program management” to refer to monitoring and management of a group of projects to ensure that CDOT’s transportation objectives are met.

review, and work groups. Future phases will develop recommendations to address improvement opportunities, define new systems, and implement a branch/office of program management.

The project team involved CDOT personnel through executive interviews and work group sessions and reviewed documents to determine current approaches and issues. The team also diagrammed different program, financial, and project management processes to ensure understanding of how these processes worked.

Following are key findings concerning the organization, processes, and systems.

## A. Organization

With respect to project delivery, CDOT has a decentralized organization with some fairly independent organizational units. It is good at reacting to needs, as indicated by the way it has effectively responded to the recent flood crisis. However, it has challenges with trust, communication, project management practices, and systems. CDOT project participants have identified some key strengths and improvement opportunities for the organization in five areas: communication, culture, resource, organizational structure, and accountability.

Some of the key strengths are:

- **Communication** – There is good coordination among the Senior Management Team.
- **Culture** – Staff are good at reacting to the needs of the organization and is dedicated and willing to do what it takes to get the work done.
- **Resources** – CDOT is able to get results; it ultimately delivers the projects.
- **Organizational Structure** – Decentralization provides CDOT the ability to manage the diverse geographic and regional transportation needs of the state.
- **Accountability** – CDOT has high customer satisfaction as reported in statewide customer surveys.

Participants also identified important opportunities for improvement, including:

- **Communication** – Many communication channels through the organization are vague or undefined.
- **Culture** – Some parties are hesitant to share information due to a lack of trust between headquarters and the regions.
- **Resources** – There is a lack of standardization of project processes and systems.
- **Organizational Structure** – Physical and cultural barriers of decentralization contribute to inconsistency in processes and data collection.
- **Accountability** – Once programmed, there is little statewide program management.

The decentralized and independent organizational nature of CDOT can provide the needed focus to do an individual job, but also can impede the streamlined and effective operation of the overall department.

## B. Processes

CDOT has developed the *Project Development Manual* and the *Controlling Our Critical Path* document, which outline processes for project delivery. The project team used these documents, other materials, and interviews with staff to diagram 21 different processes.

Some of the process strengths are:

- CDOT staff have developed some excellent—albeit isolated—processes that support project delivery.
- CDOT has recognized the need for project management guidance and consistency by developing the *Project Development Manual* and the *Controlling Our Critical Path* document.
- CDOT has developed alternative project delivery processes.

Process improvement opportunities include:

- There are few standardized processes for program and project management, limiting the ability of CDOT to predictably deliver projects on time and on budget.
- Project management documents are not widely or consistently used across CDOT.
- There is a limited ability to update project schedules and budgets as new or better information becomes available during the design process, leading to unrealistic expectations.
- There is little sharing of best practice processes across regions and programs that benefit CDOT as a whole.

## C. Systems

CDOT uses many systems to handle project data. Headquarters operates some of these systems, such as SAP, and performs oversight functions to manage projects and programs. In addition, a large number of independent systems exist within various sections of headquarters and throughout the regions. This report contains an inventory and description of 37 systems related to portfolio, cash, and program management. Two of these are significant systems. One is SAP, which is the primary data repository by which CDOT manages finances and the statewide transportation improvement program (STIP), and that also has fields to enter project status data. The other system is AASHTOWare Project, formerly known as Trns\*Port, which contains information specific to the construction phase of a project and records project costs.

System strengths include:

- CDOT staff demonstrate strong IT competencies and diligence in responding to requests for assistance with data needs both in terms of development and resources. Regions have developed independent systems to meet their needs.
- SAP provides a robust system for fiscal management that meets CDOT financial requirements.



System improvement opportunities include:

- Lack of a single system to assist with the tracking of portfolios, programs, and projects.
- Accurate, complete, consistent, real-time data is lacking for statewide program and portfolio management across both headquarters and the regions in terms of:
  - Project status
  - Asset program management
  - Objectives and performance metrics



# Portfolio Management Cash Management Program Management

December 19, 2013  
Monthly Progress Report

# AS-IS Report

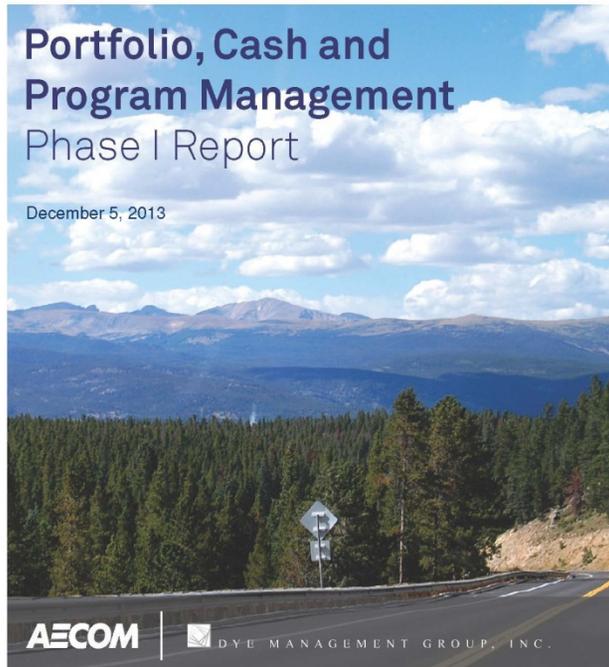


Colorado Department of  
Transportation



## Portfolio, Cash and Program Management Phase I Report

December 5, 2013



### Executive Summary

The Department of Transportation (CDOT) has high customer satisfaction as indicated by customer surveys. Colorado has significant transportation needs that the state must meet and obtaining adequate resources through a tax or fee increase will not be sufficient. CDOT is committed to using available resources as effectively and efficiently as possible to meet these transportation needs. While effectiveness is being addressed in other CDOT initiatives, CDOT has identified that additional construction can be funded by changing the way we manage our programs and budgets projects. This was made possible, to a large extent, with the implementation of the Statewide Asset Plan (SAP). However, this change in programming and budgeting increases the risks of program management. Therefore, CDOT has concluded that its current program management must be refined and augmented so it can continue to meet the transportation needs of Colorado.

Following the flood, CDOT faced the challenge of delivering \$1 billion annually in a capital improvement program, a 50 percent increase from the previous year. To help address this challenge and improve long-term project delivery, CDOT initiated the Cash and Program Management Project, commonly referred to as the "C&PM" project. CDOT has determined that it must have the ability to effectively and

manage program and project management with project selection methodologies, asset management, and activities based on projected resource availability, including cash balance and

reporting on program and project performance against performance metrics and report the results to various organizational levels.

The project will facilitate responses to routine and non-routine inquiries, and reporting to internal and external stakeholders in a transparent manner.

The project will define the business systems and management processes that will allow CDOT to manage, track, and deliver its programs and projects as a cohesive portfolio. The project will support CDOT with the implementation of the systems and management processes to ensure timely delivery of the program. This report describes the current or planned program management along with associated strengths and improvement opportunities as determined by the CDOT/LS Gallegos team (portfolio project team) through interviews, document

<sup>1</sup> CDOT uses the term "portfolio management" to refer to the management of a group of projects that have similar project management needs based on their risks, and the term "cash management" to refer to project budgeting based on a project's cash flow, rather than its encumbrances or federal aid highway obligation authority. CDOT uses the term "program management" to refer to monitoring and management of a group of projects to ensure that CDOT's transportation objectives are met.



# AS-IS Report – Areas of Study

## 1. Organization

- Communication
- Culture
- Resources
- Organizational structure
- Accountability

## 2. Processes

- Project Delivery Manual
- Controlling our Critical Path
- Ad-hoc cylinders of excellence

## 3. Systems

- Preliminary List of systems compiled
- Further examination in phase 2



# AS-IS Report – Development

- Input solicited from:
  - Steering Committee
  - Weekly progress meeting participants
  - Two work-groups
  - Technical Advisory Committee
  - Staff and Senior Management Interviews
  - Office of Cash Management task force

An estimated +/- 50 individuals directly received the draft report for review before publication.

# Status of RAMP Partnership and Operations Projects



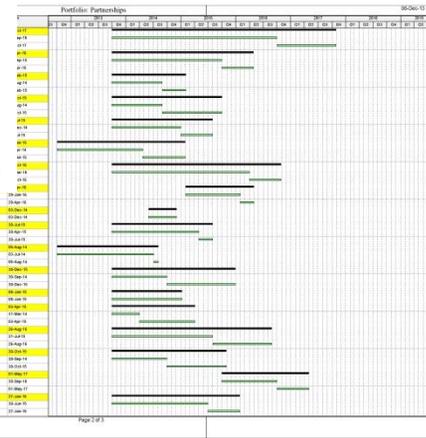
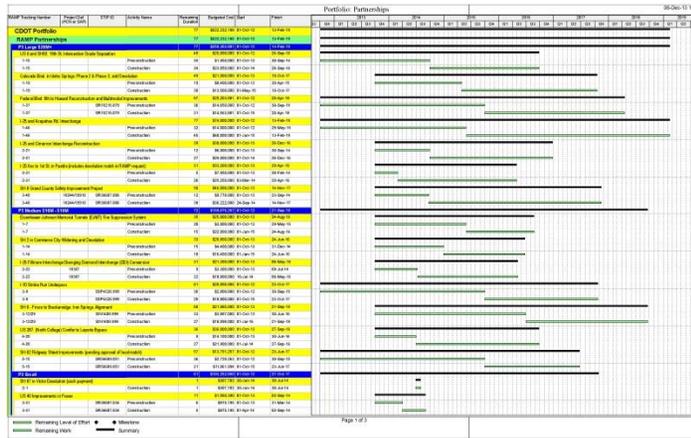
- With the January 6 deadline for local commitment, efforts on most projects are well along.
- Uniform standards for the CDOT development of the project scope, schedule, and budget are set.
- A standard template for the local evidence of continued commitment is being used for consistency.
- A structured review and tracking process is being utilized.

# Status of RAMP Partnership and Operations Projects

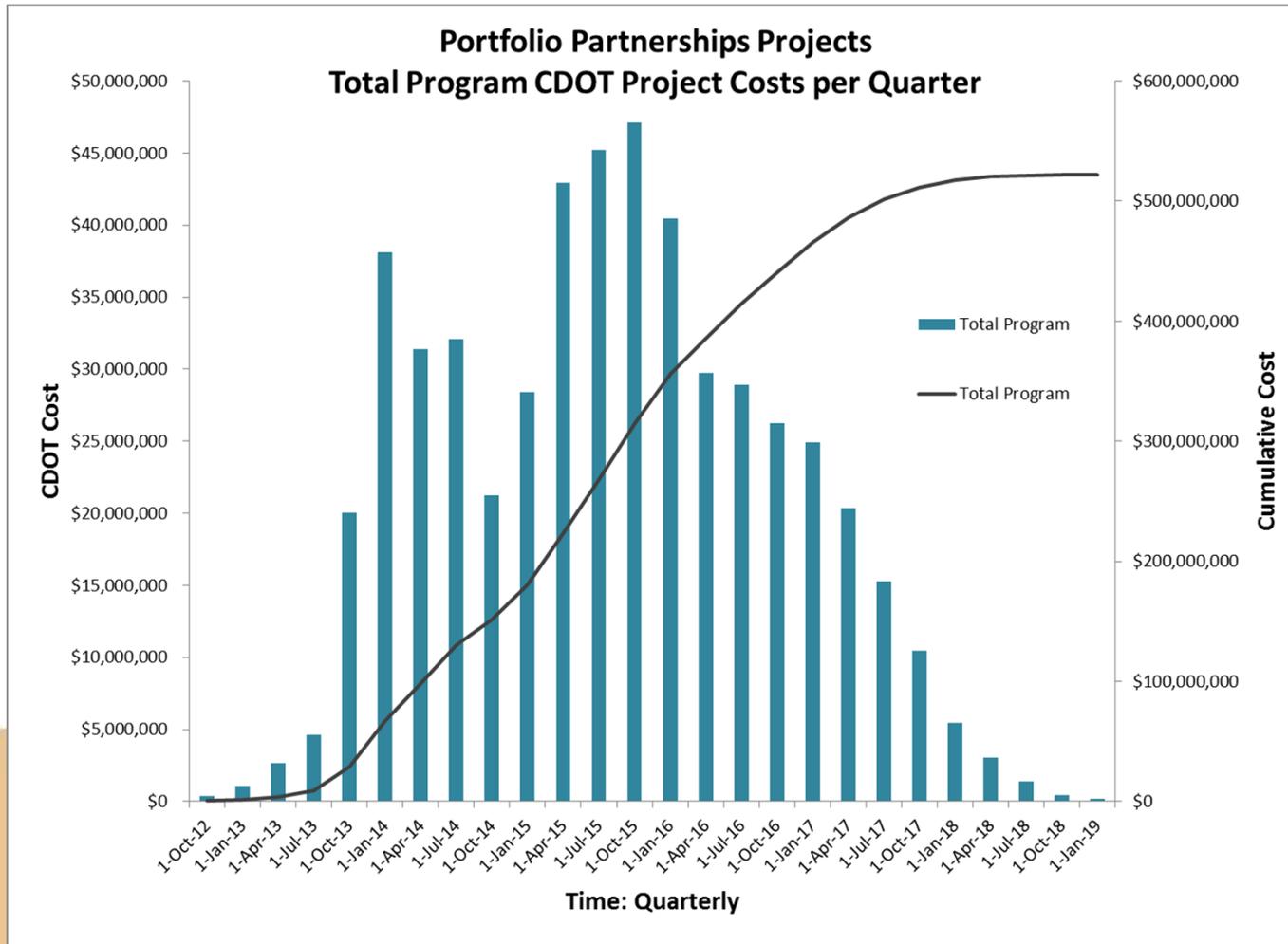


- Two projects withdrawn: frontage road devolutions in Las Animas County
- 95% of the projects on track to meet the January 6 deadline.
- Two projects where we have concerns:
  - I-25 and Arapahoe Rd Interchange
  - Colorado Blvd in Idaho Springs

# Master Schedule – RAMP Partnerships

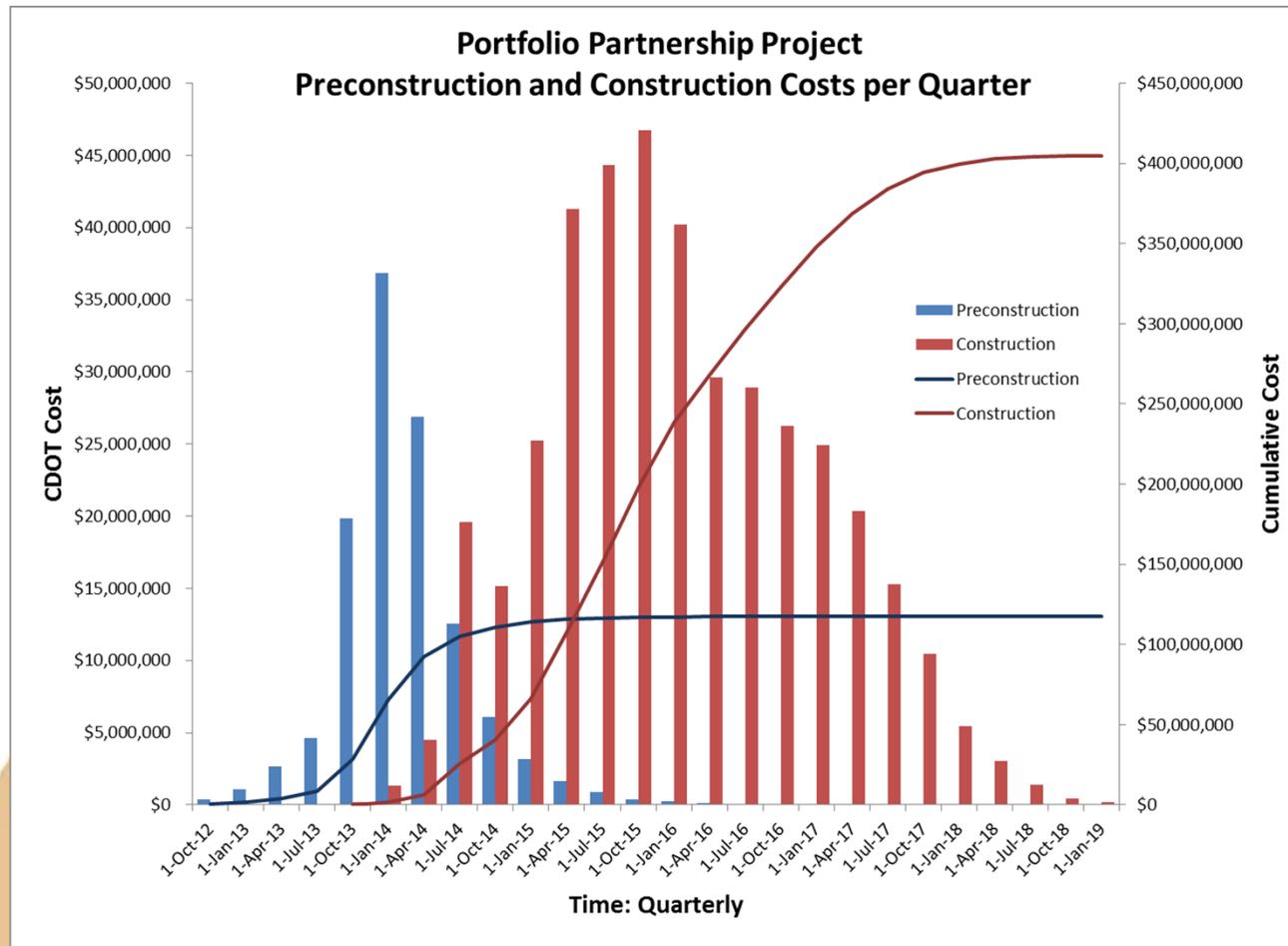


# Planned Value Curve - Partnerships



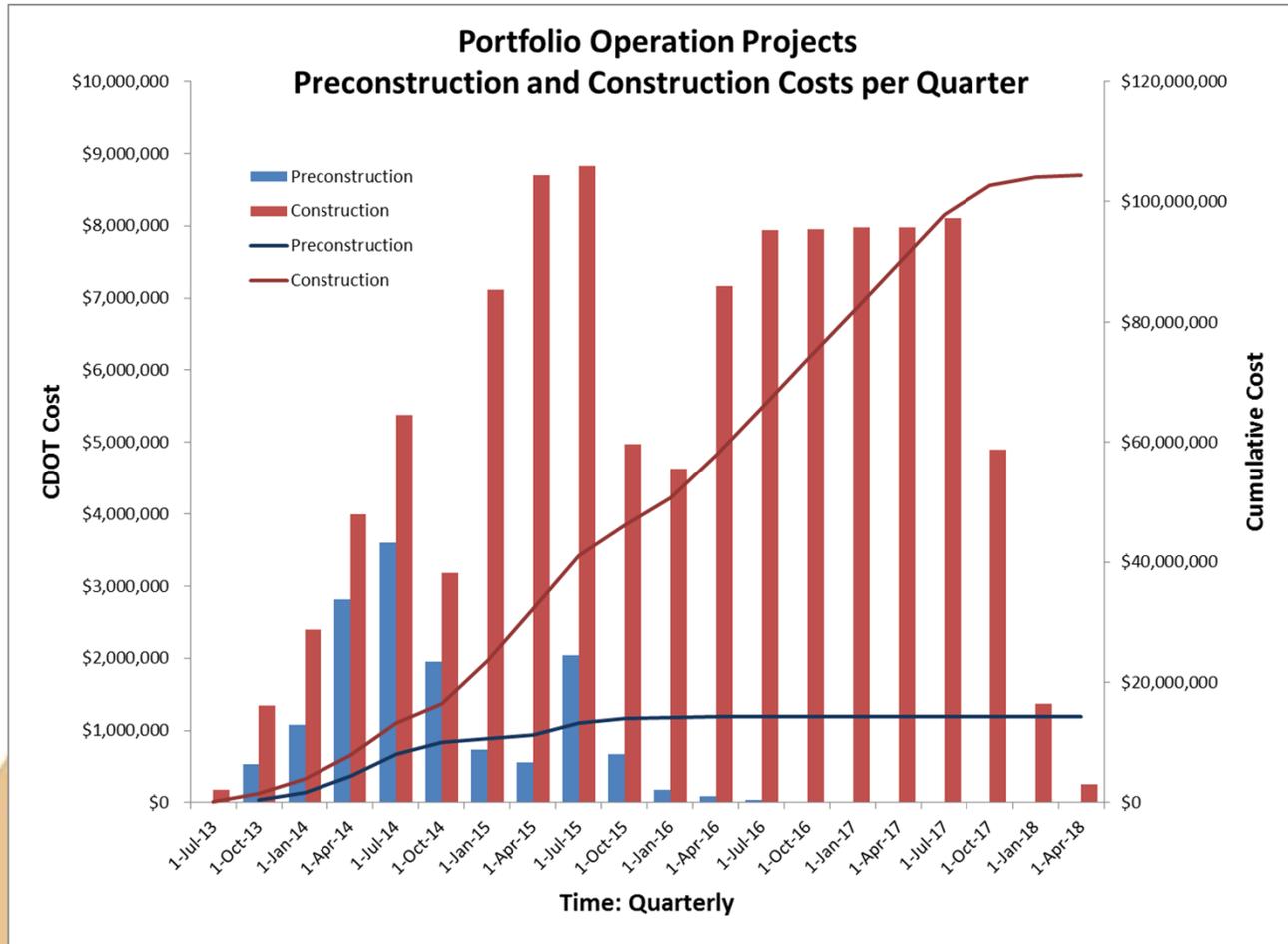
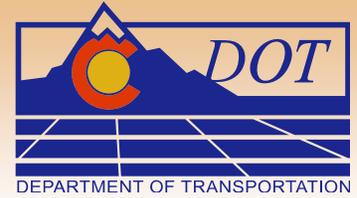
CDOT Portfolio Management

# Planned Value Curves - Partnerships





# Planned Value Curve - Operations



# Status of the FY 2014 Asset Management Projects



Asset Category	Approved Funding (Millions)	Encumbered (Millions)	Expenditures as of 12/6/13 (Millions)
Surface Treatment	\$238.80	\$35.90	\$9.23
Bridge Preventive Maintenance	\$173.9	\$2.61	\$0.44
FY 14 Bridge Enterprise, Fixed Bridge Costs	\$120.35	N/A	N/A
Tunnels	\$7.40	\$0.09	\$0.00
Rock Fall	\$9.00	\$1.62	\$0.10
Buildings	\$11.30	\$0.73	\$0.42
Intelligent Transportation Systems (ITS)	\$21.50	\$8.80	\$1.32
Culverts	\$11.50	\$0.36	\$0.58
Fleet	\$20.90	\$8.01	\$13.78
MLOS	\$249.00	N/A	\$91.13
<b>Total</b>	<b>\$743.30</b>	<b>\$58.12</b>	<b>\$116.99</b>

## STATUS OF THE \$86 MILLION ADVANCED BY THE COMMISSION IN AUGUST, 2012



<u>Project</u>	<u>Highway Classification</u>	<u>Ad Date</u>	<u>Advancement (Millions)</u>	<u>Comments</u>
I-70 – West of Flagler	Interstate	March, 2013	\$11.7	Winter will cause slowdown but will resume in Spring.
I-25A – Mile Posts 0 -7.5	Interstate	April, 2013	11.9	On Schedule and Budget
US 50A – West of Royal George Entrance, East	NHS	March, 2013	6.5	\$800,000 change order for additional scope
I-70 – Eagle to Wolcott	Interstate	January, 2013	5.0	Complete
I-70 – Glenwood Canyon PCCP Phase 4	Interstate	December, 2012	9.4	Complete
I-76 – Sedgwick to State Line, Phase 4	Interstate	January, 2013	18.3	Anticipated Completion 12/2013
US 285 – North of Monte Vista	NHS	April, 2013	6.5	Complete
US 491 – Cahone to Utah State Line	NHS	March, 2013	6.5	Complete
US 6 – Simms to Sheridan	NHS	March, 2013	7.0	Complete
US 285 – US 88 (Federal) to Marion Street	NHS	March, 2013	4.7	Complete

# FY 2013 SURFACE TREATMENT PROGRAM



	Project Name	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Award Date	Project Complete
FY13 Surface Treatment							
1	I-76: Ft Morgan to Brush (I-76 Major Surface Treatment, Phase 3 - Fort Morgan to Brush)	\$46.909	\$23.829	\$23.080	\$0.000	2/6/2013	No
2	Sh9 Coyne Valley to Agape Church	\$10.810	\$7.045	\$3.765	\$0.000	4/11/2013	No
3	US 160/285 Monte Vista Intersection	\$5.282	\$3.184	\$4.964	\$0.000	4/26/2013	No
4	SH145 at Society Turn Intersection	\$3.608	\$0.710	\$2.857	\$0.041	7/5/2012	Yes
5	SH 50 Little Blue West	\$14.737	\$5.228	\$9.510	\$0.000	11/30/2012	No
6	I-76 Sedgwick to State Line, Phase 4	\$18.280	\$0.647	\$17.633	\$0.000	3/4/2013	No
7	US 385: Yuma County Line South	\$6.712	\$0.000	\$6.712	\$0.000	11/16/2012	Yes
8	Widening SH45 to Add Turning Lanes	\$2.337	\$0.002	\$2.333	\$0.002	10/17/2012	Yes
9	SH 17 La Manga Pass	\$3.639	\$0.408	\$3.231	\$0.000	5/1/2013	Yes
10	SH 66 Road/Intersectin Improvements	\$3.619	\$1.339	\$2.280	\$0.000	10/17/2012	No
11	I-270: Vasquez to I-76	\$6.353	\$1.994	\$4.290	\$0.069	7/24/2012	No
12	US 285 South Park Passing Lanes and Overlay	\$8.400	\$1.829	\$6.435	\$0.136	3/6/2013	No
13	SH 82 and JW Drive	\$7.212	\$0.605	\$6.595	\$0.012	12/20/2012	No
14	SH 14 Chips Briggsdale East	\$1.309	\$0.000	\$1.309	\$0.000	12/27/2012	Yes
15	C470: Santa Fe to Wadsworth Resurfacing	\$6.031	\$2.616	\$3.505	-\$0.090	3/21/2013	No

# FY 2013 Program



	Project Name	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Award Date	Project Complete
	FY13 Surface Treatment						
16	US 160 - Towaoc to Cortez	\$8.575	\$1.237	\$7.338	\$0.000	3/6/2013	Yes
17	US 50 - Baltimore to Wills	\$7.812	\$0.357	\$7.455	\$0.000	11/20/2012	Yes
18	US 160 West of Pagosa Springs near Hurt Dr.	\$8.988	\$7.488	\$1.487	\$0.013	6/7/2013	No
19	SH 103 Resurfacing	\$4.359	\$0.445	\$3.913	\$0.000	4/16/2013	No
20	I-70 Chief Hosa to Vail Crack Seal	\$1.105	\$0.000	\$1.104	\$0.000	8/22/2012	Yes
21	SH 30: Florida to 1st and SH83	\$5.236	\$1.186	\$4.049	\$0.000	4/25/2013	No
22	Colorado Blvd/Hampden Reconstruction	\$2.304	\$0.431	\$1.873	\$0.000	3/14/2013	Yes
23	US 34 Business (18th St Resurfacing)	\$0.616	\$0.000	\$0.534	\$0.082	2/14/2013	Yes
24	I-70 Eagle To Wolcott	\$11.961	\$1.041	\$10.916	\$0.003	2/25/2013	Yes
25	US 50, La Junta - East	\$6.108	\$0.921	\$5.186	\$0.000	2/14/2013	Yes
26	I-25 Widening North of Colorado Springs	\$66.934	\$30.087	\$36.822	\$0.025	12/21/2012	No
27	SH 177/SH 88 Concrete Intersection Replacement	\$3.793	\$2.372	\$1.389	\$0.032	5/1/2013	No
28	I-70 West Vail Pass Recreation Path	\$1.161	-	-	-	7/3/2012	Yes
29	US 160 Yellowjacket to Keyah	\$0.929	-	-	-	3/18/2013	-
30	US 550 Silverton to Ouray Chipseal	\$1.083	-	-	-	4/23/2013	-

# FY 2013 Program



	Project Name	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Award Date	Project Complete
	FY13 Surface Treatment						
31	SH 194 La Junta - Jct 109 East	\$2.946	\$0.449	\$2.497	\$0.000	3/20/2013	Yes
32	SH 36: Bennett to Strasburg	\$3.635	\$0.642	\$2.993	\$0.000	3/6/2013	Yes
33	I-25/US 24 Bridge Repairs	\$3.672	\$1.098	\$2.415	\$0.159	12/10/2012	No
34	US 285 North of Monte Vista Resurfacing	\$6.313	\$0.608	\$5.705	\$0.000	5/15/2013	Yes
35	I-25 Midway North	\$8.553	\$1.858	\$6.695	\$0.000	4/23/2013	No
36	US 50, West of Royal Gorge Entrance East	\$7.067	\$1.258	\$5.808	\$0.000	5/10/2013	No
37	SH 149 Spring Creek Pass Major Mtc. Trt	\$4.191	\$1.448	\$2.744	\$0.000	11/23/2012	No
38	Twin Tunnels Widening Construction Package 2	\$61.627	\$10.134	\$51.493	\$0.000	2/11/2013	No
39	SH 184 From Roundup to Mancos	\$8.650	\$2.025	\$6.625	\$0.000	6/6/2013	Yes
40	US 491, Cahone to Utah State Line	\$6.520	\$1.047	\$5.473	\$0.000	4/15/2013	Yes
41	R6 CPR Interstate Various Ramps	\$3.045	\$0.586	\$2.976	\$0.011	3/21/2013	Yes
42	I-25 Southbound Diamond Grind: SH -14 North	\$3.195	\$0.736	\$2.459	\$0.000	4/19/2013	No
43	R4 FY13 I-76 Concrete Slab Replacement	\$2.081	\$0.837	\$1.244	\$0.000	5/31/2013	No
44	I-76: I-70 to Federal Blvd.	\$6.150	\$1.100	\$5.034	\$0.016	3/5/2013	No
45	I-25 Surface Treatment MP 0-7.5	\$10.624	\$8.590	\$2.034	\$0.000	5/7/2013	No

# FY 2013 Program



	Project Name	Project Budget (Millions)	Encumbered (Millions)	Expenditure as of Dec. 6, 2013 (Millions)	Remaining Project Budget (Millions)	Award Date	Project Complete
	FY13 Surface Treatment						
46	SH 7: Lyons to Raymond Chip Seal	\$1.077	\$0.000	\$1.077	\$0.000	4/19/2013	Yes
47	SH 14 Coal Bank Creek Roadway	\$0.945	\$0.311	\$0.634	\$0.000	12/12/2012	No
48	I-70 Glenwood Canyon PCCP Phase 4	\$9.426	\$0.105	\$8.735	\$0.586	1/24/2013	Yes
49	I-70 Chip Seal Stateline to Mack	\$1.616	\$0.000	\$1.616	\$0.000	3/12/2013	Yes
50	SH 139 Loma Interchange North	\$6.216	\$0.777	\$5.438	\$0.001	5/29/2013	Yes
51	I-70 West of Flagler	\$11.702	\$5.750	\$5.952	\$0.000	4/25/2013	No
52	US 6: Simms to Sheridan Overlay	\$5.347	\$0.874	\$4.475	\$0.000	5/6/2013	No
53	US 40 and SH 64 Chip Seals	\$2.094	\$0.000	\$2.094	\$0.000	3/13/2013	Yes
54	US 285: SH 88 Federal to Marion Street	\$5.036	\$0.947	\$3.863	\$0.226	4/23/2013	No
55	Wray Chip Seals Various Locations	\$1.860	\$0.000	\$1.860	\$0.000	1/9/2013	Yes
	Totals	\$459.79	\$136.1808	\$322.5040	\$1.3240		

# Flood Program Management



- During the next month we will be examining how to add the long-term flood repair projects into our region and state-wide program management
  - Short term task order to synchronize regional flood management efforts with our long-term system development
  - Long-term repair projects will be added to our master schedule and program management efforts



# Questions?

Thank You!

CDOT Portfolio Management