

Colorado Bridge Enterprise
March 20, 2014
Meeting Schedule & Agenda
4201 East Arkansas Avenue
Denver, Colorado 80222

Douglas E. Aden, Chairman
Grand Junction, District 7

Shannon Gifford
Denver, District 1
Ed Peterson, Vice Chairman
Lakewood, District 2
Gary M. Reiff
Englewood, District 3
Heather Barry
Westminster, District 4
Kathleen Gilliland
Livermore, District 5

Kathy Connell
Steamboat Springs, District 6
Sidny Zink
Durango, District 8
Les Gruen
Colorado Springs, District 9
William Thiebaut
Pueblo, District 10
Steven Hofmeister
Haxtun, District 11

THE CHAIRMAN MAY ALTER THE ITEM SEQUENCE OR TIMES

The times indicated for each topic on the Commission agenda are an estimate and subject to change. Generally, upon the completion of each agenda item, the Commission will immediately move to the next item. However, the order of agenda items is tentative and, when necessary to accommodate the public or the Commission's schedules, the order of the agenda items is also subject to change.

Documents are posted at <http://www.coloradodot.info/about/transportation-commission/meeting-agenda.html> no less than 24 hours prior to the meeting. The documents are considered to be in draft form and for information only until final action is taken by the Commission.

Unless otherwise noted, all meetings are in CDOT HQ Auditorium.

BRIDGE ENTERPRISE BOARD OF DIRECTORSTab 15

11:50 a.m. Call to Order and Roll Call

11:50 a.m. Audience Participation
Subject Limit: 10 minutes; Time Limit: 3 minutes

11:50 a.m. Act on Consent Agenda Bridge Enterprise 03
a) Resolution to Approve Regular Minutes from
February 20, 2014 (Herman Stockinger)

11:55 a.m. Discuss and Act on 8th Budget Supplement for FY2014
(Scott Richrath) Bridge Enterprise 07

12:00 p.m. Update on US6 Bridges Design/Build Project

(Matt Pacheco)..... Bridge Enterprise 10

12:10 p.m. Monthly Progress Report (Scott McDaniel) Bridge Enterprise 22

12:15 p.m. Adjournment

**Bridge Enterprise Board
Regular Meeting Minutes
Thursday, February 20, 2014**

PRESENT WERE: Doug Aden, Chairman, District 7
Shannon Gifford, District 1
Ed Peterson, District 2
Heather Barry, District 4
Kathy Gilliland, District 5
Sidny Zink, District 8
Les Gruen, District 9
Bill Thiebaut, District 10
Steven Hofmeister, District 11

EXCUSED: Gary Reiff, District 3
Kathy Connell, District 6

ALSO PRESENT: Scot Cuthbertson, Deputy Executive Director
Gary Vansuch, Director of Process Improvement
Debra Perkins-Smith, Director of Division of Transportation
Scott McDaniel, Acting Chief Engineer
Heidi Humphreys, Director of Admin & Human Resources
Amy Ford, Public Relations Director
Soctt Richrath, CFO
Herman Stockinger, Director of Policy and Government Relations
Mike Cheroutes, Director of HPTE
Mark Imhoff, Director of Division of Transit and Rail
David Gordon, Aviation Director
Ryan Rice, Director of Operations Division
Darrell Lingk, Director of Office of Transportation Safety
Tony DeVito, Region 1 Transportation Director
Tom Wrona, Region 2 Transportation Director
Dave Eller, Region 3 Transportation Director
Johnny Olson, Region 4 Transportation Director
Myron Hora, Acting Region 4 Transportation Director
Kerrie Neet, Region 5 Transportation Director
Kathy Young, Chief Transportation Counsel
John Cater, FHWA
Vince Rogalski, Statewide Transportation Advisory Committee (STAC)

AND: Other staff members, organization representatives,
the public

Chairman Aden convened the meeting at 1:05p.m. in the CDOT Headquarters building at 4201 E. Arkansas Avenue, Denver, CO.

Audience Participation

The Chairman noted that no members of the audience wished to address the Board of Directors.

Act on Consent Agenda

Chairman Aden stated that the next thing on the Agenda was action on the Consent Agenda. Director Peterson moved for approval of the Consent Agenda. The motion was seconded by Director Hofmeister. Upon vote of the Board, the motion passed unanimously.

Resolution #BE-151

Approval of Regular Meeting Minutes for January 20, 2014.

BE IT SO RESOLVED THAT, the Minutes for the January, 2014, meeting of the Bridge Enterprise Board of Directors are hereby approved by the Bridge Enterprise Board as published in the Agenda for the February 19 & 20, 2014, meeting of the Bridge Enterprise Board of Directors.

Discuss and Act on Resolution to Approve the 7th Budget Supplement for FY2014

Scott Richrath stated that was one project before the Board for their approval. It is an \$840,000 request to establish the utility phase. Working with the railroads, this is the next phase that Bridge Enterprise is ready to enter. There are inspections twice per year. In each inspection there are new bridges that achieve "Poor" condition and become Bridge Enterprise eligible. Bridge Enterprise is not programming new bridges until further decisions are made on the I-70 Viaduct. Supplement requests are, therefore, in regards to bridges that were already in the program and are seeking dollars to move into future phases.

Chairman Aden entertained a motion to approve the 7th Supplement to FY2014 budget. Director Gruen moved to approve the resolution, and Director Gifford seconded that motion. Upon a vote of the Board, the resolution was approved unanimously.

Resolution #BE-152

BE IT SO RESOLVED THAT, the 7th Budget Supplement for FY'2014 is hereby approved by the Bridge Enterprise Board.

2013 Annual Financial Statements

Scott Richrath requested approval for the calendar year 2013 Colorado Bridge Enterprise financial statements and stated that they would be retained on the website after approval.

Chairman Aden entertained a motion to approve the 2013 financial statements. Director Hofmeister moved for approval, and Director Gilliland seconded the motion. Upon vote of the Board, the resolution was approved unanimously.

Resolution #BE-153

BE IT SO RESOLVED THAT, the calendar year 2013 financial statements are hereby approved by the Bridge Enterprise Board.

Program Funding Progression Overview

Scott Richrath described the progression graph. The blue line accelerates first and represents bridges that had substantial funding from the \$300 million bond program. The red line that accelerates later represents bridges that receive most of their funding from Pay As You Go. Again, these are not new bridges but ones that were poor since before the discussions on the I-70 Viaduct.

The \$300 million was almost entirely spent prior to December 2013's deadline. Bridge Enterprise is now moving into a substantial period where projects will be funded by Pay As You Go dollars. It is important to note that if the Bridge Enterprise started to fund the I-70 Viaduct immediately, it would be necessary to tap into funds that have already been committed to other projects. However, there are several months before that is necessary. The timing will work such that these projects will approach completion before Bridge Enterprise has to make substantial financial commitments to the Viaduct.

Engineering News-Record Mountain States: Pecos Bridge Article

Scott McDaniel stated that he wanted to highlight an article published in Engineering News that demonstrates how Colorado is becoming a leader in innovation both in bridge construction and in how the state delivers projects. The article discusses how Bridge Enterprise used CMGC method, especially with the unusual shape of the bridge due to the roundabouts.

On a national level, Colorado is more involved in training efforts and sharing experiences with other states.

Chairman Aden congratulated everyone on the excellent project.

Monthly Progress Report

Scott McDaniel stated Bridge Enterprise is a Schedule Performance Index (SPI) of .92. That is a decrease of .01 from the previous month. There are three over-performing projects and 13 under-performing projects. All 13 under-performing projects are railroad projects. This total has increased to \$22.3 million for these 13 projects. Due to the issues with the railroad that have been previously discussed, Executive Director Don Hunt met with the Director of Operations for the UP Railroad, who made a commitment to help CDOT deliver projects more

quickly. Bridge Enterprise also met with staff from UP, and they demonstrated what they are doing to improve their programming. It is likely that as they get their programs started CDOT will see benefits. This same meeting will happen with the Burlington Northern Railroad in February 2014. This is a demonstration for how to address problems in program management and how to address these issues with partners.

Bridge Enterprise has started construction on the US 6 bridge complex from Federal to the railroad bridges, which will replace a total of five bridges. This is one project that delayed spending all the bond funds by the deadline, but the delay allowed a much larger, more integrated project.

Major achievements include two bridges that are going to AD. These two structures will be replaced with a single structure. It will include some capacity improvements made by the City of Aurora. One bridge also went to construction.

No significant changes to financial performance, status of FASTER eligible bridges, the bond program.

Of the thirty most deficient bridges, one of the remaining ones has now been out to construction.

DBE participation is 16.2% in the program as a whole. The goal was 13.3%.

Adjournment

Chairman Aden asked if there were any more matters to come before the Bridge Enterprise Board and hearing none, Chairman Aden announced the adjournment of the meeting at 1:20p.m.

STATE OF COLORADO

DEPARTMENT OF TRANSPORTATION

Division of Accounting and Finance
4201 East Arkansas Avenue
Denver CO 80222
(303) 757-9262



DATE: March 20, 2014
TO: Bridge Enterprise Board of Directors
FROM: Scott Richrath, CFO
SUBJECT: Eighth Supplement to the FY 2014 Bridge Enterprise Budget

Enclosed is the Eighth Supplement to the FY 2014 Bridge Enterprise Budget.

REGION 3

- \$4,670,000 – Increase the right-of-way phase budget for in-house and consultant services for appraisal, title work and other costs associated with the partial acquisition of right-of-way needed for this project. Additional funds will be requested for future acquisition. (18158)

**SH82 ML (Grand Avenue) over I-70 ML, Colorado River and UP Rail Road in Garfield County
 Structure F-07-V (old structure F-07-A)**

Budget Components by Phase, Funding Program, Fiscal Year

Phase of Work	Funding Program	Current Budget				Eighth Supplement Action	Revised Budget	Expended To-Date
		Prior Years	FY 2014	Advanced (FY ')	Total			
ROW	<i>FASTER Funds</i>	\$441,000	\$0	\$0	\$441,000	\$4,670,000	\$5,111,000	\$9,574
	Total ROW	\$441,000	\$0	\$0	\$441,000	\$4,670,000	\$5,111,000	\$9,574
Design	<i>FASTER Funds</i>	\$848,300	\$8,634,000	\$0	\$9,482,300	\$0	\$9,482,300	\$0
	<i>Bond Proceeds</i>	\$882,000	\$2,000,000	\$0	\$2,882,000	\$0	\$2,882,000	\$1,597,103
	Total Design	\$1,730,300	\$10,634,000	\$0	\$12,364,300	\$0	\$12,364,300	\$1,597,103
Environmental	<i>FASTER Funds</i>	\$1,270,100	\$0	\$0	\$1,270,100	\$0	\$1,270,100	\$0
	<i>Bond Proceeds</i>	\$7,655,357	\$0	\$0	\$7,655,357	\$0	\$7,655,357	\$7,556,702
	Total Environmental	\$8,925,457	\$0	\$0	\$8,925,457	\$0	\$8,925,457	\$7,556,702
Total Project Budget		\$11,096,757	\$10,634,000	\$0	\$21,730,757	\$4,670,000	\$26,400,757	\$9,163,379

**“BE IT RESOLVED, That the Eighth Supplement to the Fiscal Year 2013-2014
Budget is approved by the Bridge Enterprise Board.”**

COLORADO BRIDGE ENTERPRISE

Memorandum

Colorado Bridge Enterprise
4201 East Arkansas Avenue
Denver, Colorado 80222

DATE: March 20, 2014
TO: Bridge Enterprise Board of Directors
FROM: Matt Cirulli, Deputy Program Manager
SUBJECT: Project Update: US 6 Bridges Design/Build Project

Matthew D. Pacheco, PE – CDOT Region 1 Resident Engineer shall present an update on the active US 6 Bridges Design-Build project which consists of improvements along US 6 from approximately Knox Court on the west through the existing US 6 bridge over the Burlington Northern Santa Fe Railroad tracks just east of I-25.

Mr. Pacheco's update includes details on the project scope and milestones met since the roadwork began in February 2014. Of note, the project is scheduled to be complete by the fall of 2015, nearly one year ahead of CDOT's original completion deadline.



COLORADO
Department of
Transportation

US 6 Bridges Design-Build Project



Matthew D. Pacheco, P.E.- Resident Engineer
Region 1, Central Ridge/Innovative Contracting Unit



Other Improvements:

- New Pavement throughout the Corridor
- Improvements to Barnum Parks
- Installation of Pedestrian Bridge
- Replacement of the Weir Gulch Box Culvert

Original Project Scope:

Guaranteed Maximum Price \$108 Million

Replacement of the Following Bridges:

- Federal Boulevard (other funding)
- Bryant Street (Bridge Enterprise)
- US 6 Over the Platte (Bridge Enterprise)
 - ✚ Includes a ten foot adjustment in the vertical profile
- US 6 Over I-25 (other funding)
- US 6 Over BNSF (Bridge Enterprise)

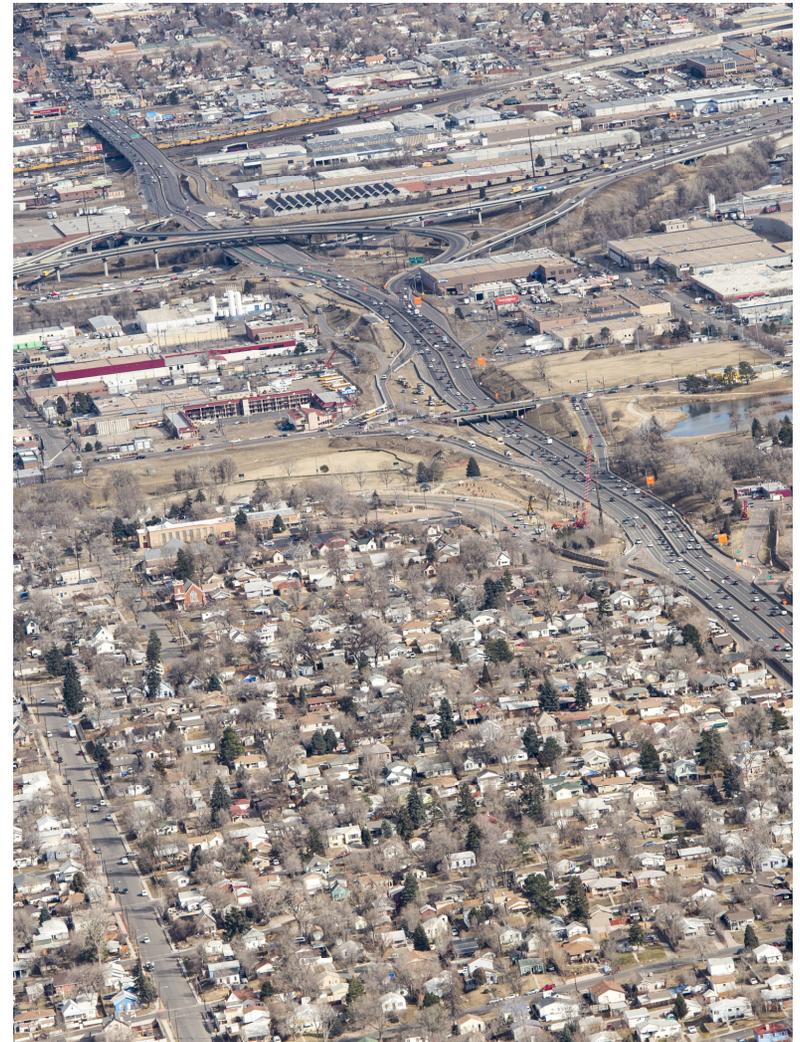




Additional Project Scope Included in the Kraemer Proposal:

The Kraemer Team included all the “Additionally Requested Elements” and also included the following “Alternative Configuration Concepts”

- Replacement of the Knox Court Bridge
- Extension of the Pavement Reconstruction to Knox Court
- Extension of all Drainage and Permanent Water Quality Improvements to Knox Court
- Fixed Price of \$98.5 Million and 11 Months Ahead of the RFP Deadline





Project Milestones to Date

- July 12, 2013 - Edward Kraemer and Sons receives Notice to Proceed #1
 - ✚ The Quality Management Plan has been accepted, as well as the Initial Schedule
- November 14, 2013 - CDOT issues Notice to Proceed #2
 - ✚ Major Construction can begin upon approval of Release for Construction Plans
 - ✚ Cost Loaded Baseline Schedule completed and accepted.

First Major Construction Activity:
Closure of US 6 February 14, 2014
to February 17, 2014





Challenges and Opportunities:

- Contractor decided to Design the Project upfront
 - ✦ The agility of the design much more limited
 - ✦ Approvals affect the Critical Path
 - ✦ Large Portions of project being held up by smaller Items
- Third Party Review of Approval Documents
- Demolition of Aging Infrastructure:
 - ✦ Phasing of construction make it necessary to demo a certain Portion of existing structures
 - ✦ We found that conditions of Existing bridges may not fit our Phasing



Closure of US 6

- ✦ Stemmed from a utility need
- ✦ Several Closures could be combined
- ✦ Design-Build Team leveraged the opportunity to accomplish Multiple Tasks during this closure
- ✦ The question transformed from “What can we get done?” to “How much can we get done?”

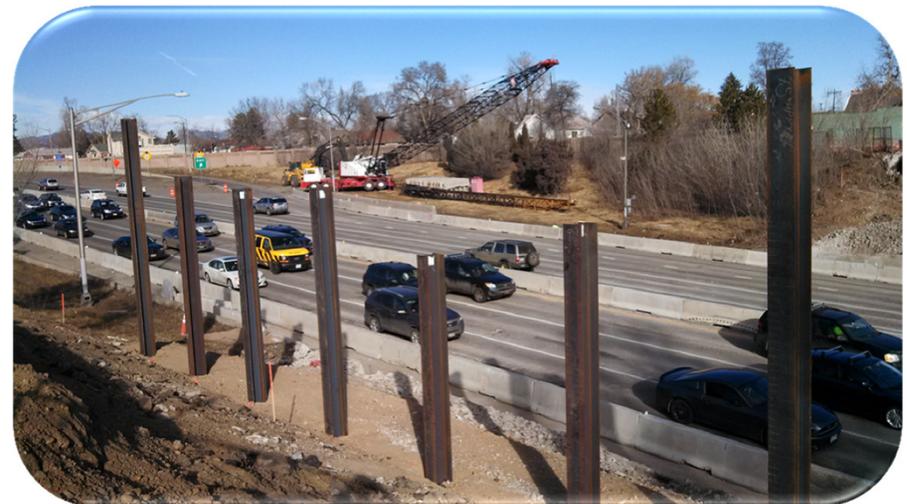


US 6 Bridges Construction





US 6 Bridges Construction





US 6 Bridges Construction





US 6 Bridges Construction





What is next for US 6 Bridges?

- Based on our current Drawdown Schedule we are On Pace to spend approximately \$180,000.00 per day or about \$5.4 million per month.
- Improvements to Barnum East Park Complete by Spring of 2015
- Completion Date of September 2015





Questions?

Matthew D. Pacheco, P.E.

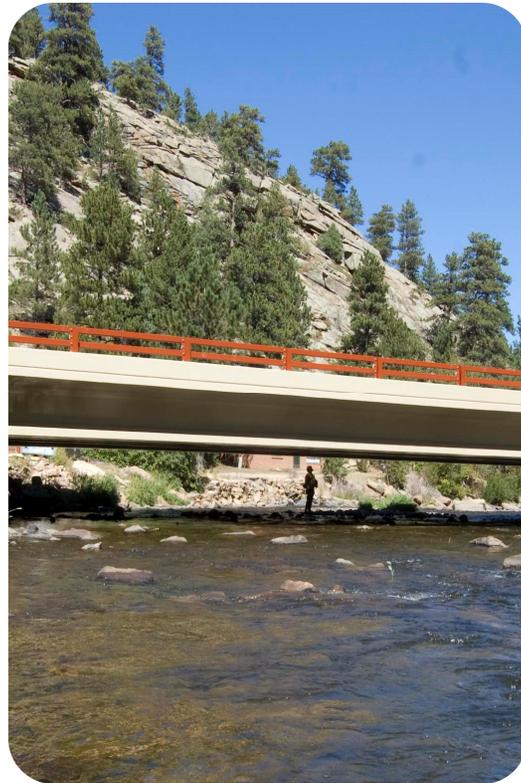
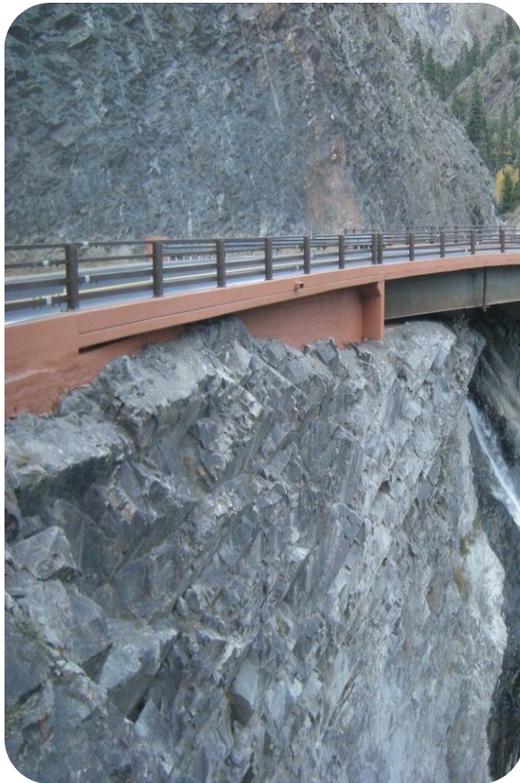
Resident Engineer

Central Ridge/Innovative Contacting Unit

matthew.pacheco@state.co.us



COLORADO
Department of
Transportation



Colorado Bridge Enterprise

MARCH 2014 Monthly Progress Report

Board of Directors Meeting



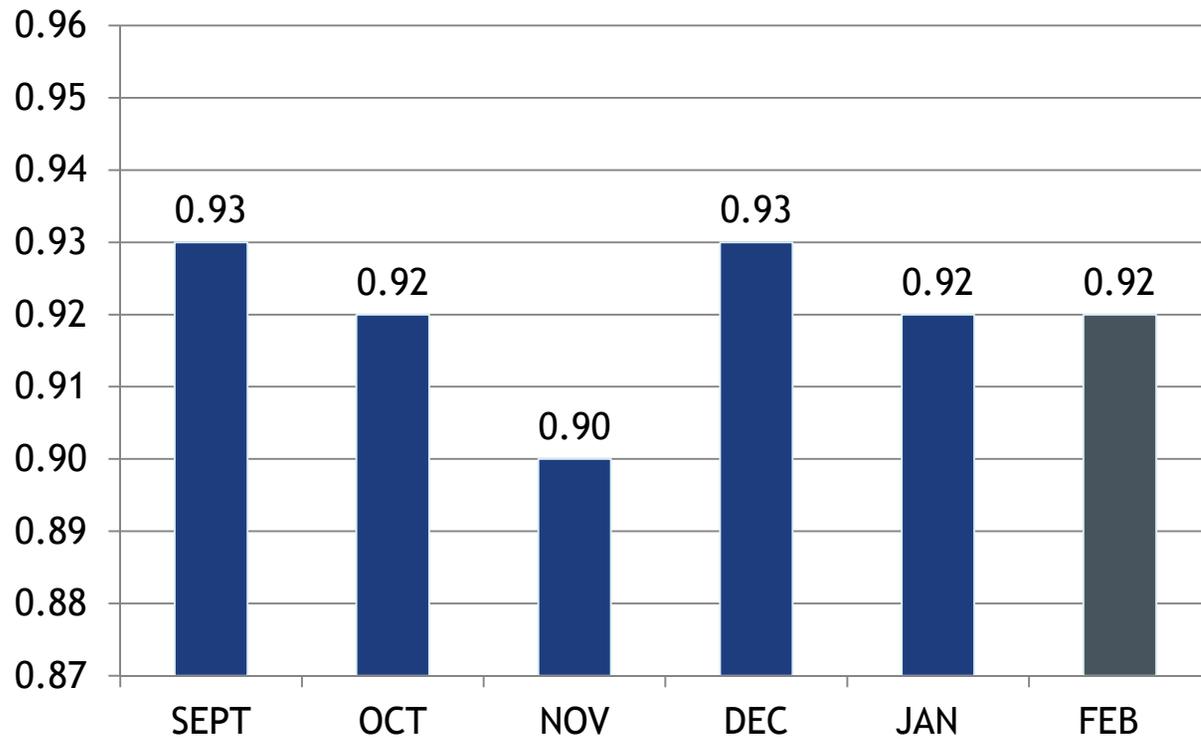
Program Schedule

- Program schedule updated for work complete through February 2014
- February Schedule Performance Index (SPI) = 0.92; NO CHANGE from prior month (January SPI = 0.92)
- Over-performing projects
 - 3 projects with \$6.1M in combined Earned Value (EV) greater than planned
 - Increases overall program SPI by 0.02; NO CHANGE from prior month
- Under-performing projects
 - 13 Railroad projects with \$21.5M in combined lost EV
 - Reduces overall program SPI calculation by 0.05; a 0.01 DECREASE from prior month
 - No Non-Railroad projects with a significant lost EV (Lost SPI \geq 0.01)



Program Schedule

Program SPI by Month



Program Goal SPI \geq 0.90



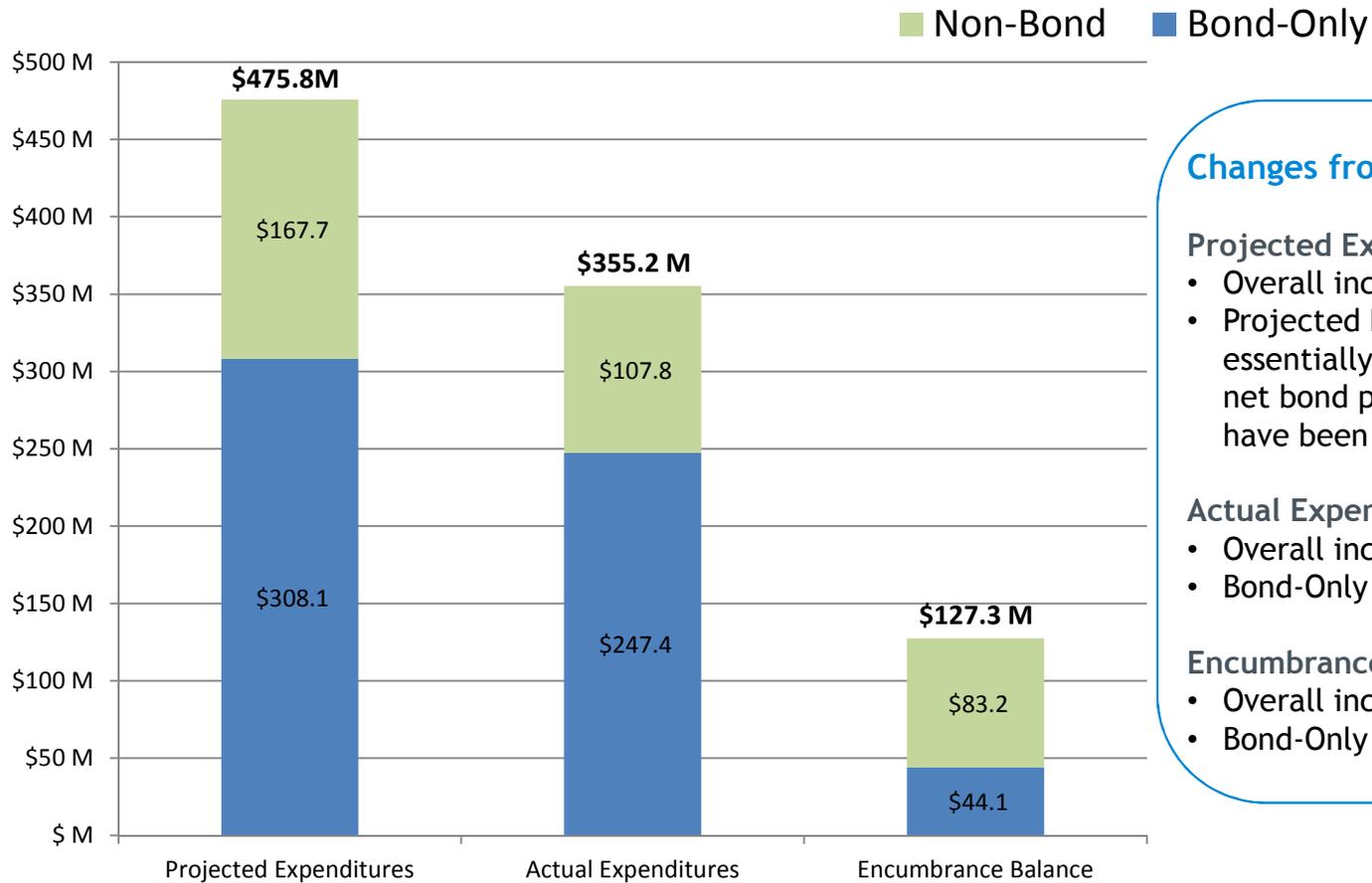
Major Achievements (as of end of February 2014)

- Current Program Initiatives
 - Region 2 Colorado Bridge Enterprise Project Specific CM Inspection and Testing Design Build for Ilex Project
 - Atkins selected
- Innovative Bridge Projects
 - Region 3
 - F-07-A: Grand Ave. Bridge (Glenwood Springs)
 - 30% Design Achieved
- Bond Program bridge count (92 to 93)
 - Added Region 1 Structure
 - F-14-Y: I 70 Business Route over I70 ML (Clear Creek County)
 - Bridge is part of the I70 Peak Period Shoulder Lane Project
- Bridges to Design
 - Region 1
 - F-14-Y: I 70 Business Route over I70 ML (Clear Creek County)



Total Program Financial Performance

As of January 31, 2014



Changes from Previous Month

Projected Expenditures

- Overall increased by \$12.4M or 2.7%
- Projected Bond expenditures are essentially flat now since all available net bond proceeds and interest earnings have been projected.

Actual Expenditures

- Overall increased by \$5.3M or 1.5%
- Bond-Only increased by \$6.9M or 2.9%

Encumbrance Balance

- Overall increased by \$8.0M or 6.7%
- Bond-Only increased by \$1.5M or 3.5%

3/20/2014



Status FASTER Eligible Bridges

Current 179 Eligible Bridges



February 179 Eligible Bridges - 1 Month ago



September 178 Eligible Bridges - 6 Months ago

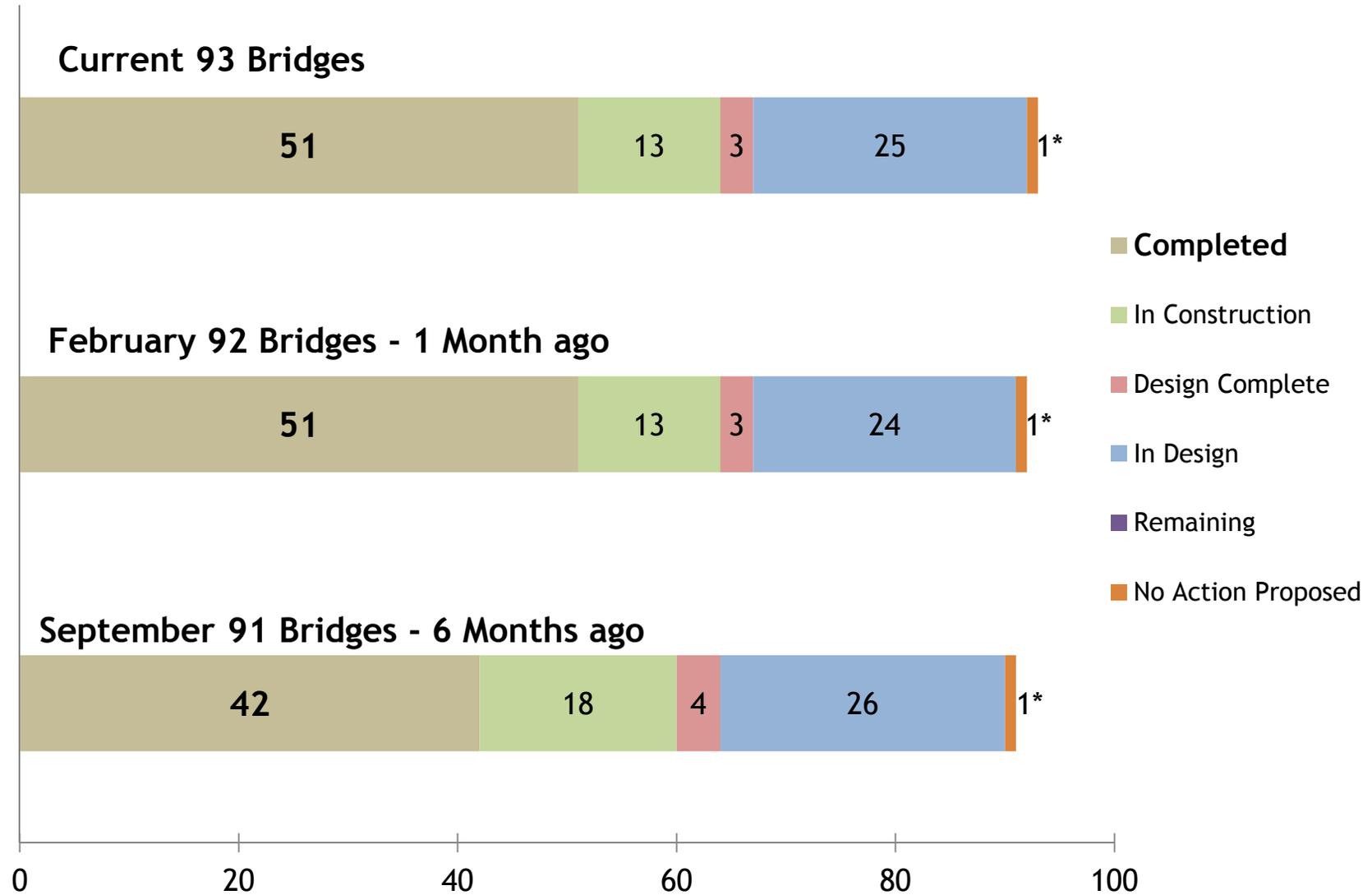


- Completed
- In Construction
- Design Complete
- In Design
- Remaining
- No Action Proposed





Status \$300M Bond Bridges



*One project was determined ineligible

3/20/2014



Status of 30 Most Deficient Bridges

	2013 Poor List Bridges Worst 30 Status	Original 128 Bridges Worst 30 Status
Complete	12	27
In Construction	4	1
Design Complete	0	0
In Design	9	2
Remaining	5 ^a	0
Total Addressed	30	30

No Change from last month

a	Region	Location	Current Status
E-17-EW	R1	I-70 ML EBND over UP RR	Pending I-70 East FEIS
E-17-DF	R1	I-70 ML WBND over UP RR	Pending I-70 East FEIS
E-17-KR	R1	I-270 ML EBND over I-70 ML	Pending I-70 East FEIS
C-17-B	R4	SH 60 ML over SOUTH PLATTE RIVER	Currently Not Programmed
K-17-F	R2	SH 96 ML over RUSH CREEK	Currently Not Programmed



FASTER Q & A

Questions & Answers