



COLORADO
Department of Transportation
Statewide Bridge Enterprise

Colorado Bridge Enterprise 2016 Annual Report



Who We Are and What We Do

On March 2, 2009, former Governor Bill Ritter signed into law Colorado Senate Bill 09-108, Funding Advancement for Surface Transportation and Economic Recovery, otherwise known as FASTER. The legislation was the first new dedicated and sustainable funding source for transportation in nearly twenty years.

The law increases revenues from various sources for transportation improvements at the state and local level. A portion of the funding designated as the “bridge safety surcharge” is dedicated specifically for Colorado’s most deficient bridges – those bridges identified as structurally deficient or functionally obsolete, and rated “poor” (Bridge Sufficiency Rating less than 50, which was the federal standard at the time the statute was passed) by the Colorado Department of Transportation (CDOT). Revenues from the Bridge Safety Surcharge were phased in over a three-year period. As of 2012, phasing was complete and is now at the maximum level permitted by the statute (reference Table 3). The total Bridge Safety Surcharge collected in CY 2016 was \$100.9 million. The surcharge is a nominal dollar amount and does not adjust for inflation overtime.

To assist with this historic focus on Colorado’s poor bridges, the legislation did more than simply authorize the Bridge Safety Surcharge. FASTER created a new enterprise, the Bridge Enterprise (BE), and designated the Transportation Commission to serve as the Bridge Enterprise Board of Directors



Image 1. Former Governor Bill Ritter

(Board). The business purpose of the Enterprise is to “finance, repair, reconstruct, and replace any designated bridge in the state” per C.R.S. 43-4-805 (2) (b). Because it was constituted as a government-owned business, the Enterprise may issue revenue bonds to accelerate construction of Colorado’s poor bridges. On June 18, 2009, the Board officially approved the enactment of the bridge safety surcharge, as required by law. Bridge projects under the Enterprise may include the repair, replacement, or ongoing operation or maintenance, or any combination thereof, of a designated bridge.

In addition, FASTER requires that the Enterprise issue a report of its activities to the legislature by February 15th of each year, and further requires that the report be posted on the CDOT website by January 15th of each year. This report fulfills that requirement.



Image 2: BE staff visiting the partially constructed new “D Street” bridge, part of the Ilex project on March 24th.

CBE Program and Priorities

FASTER Eligible Bridges

The program maintains an ongoing tally of the number of “poor” designated structures eligible to receive FASTER funding since the legislation was passed into law. *(The law does not mandate, nor is there at present, a program commitment to address all FASTER eligible bridges, and as of 2009, once a bridge is rated poor it retains eligibility to receive FASTER funds if subsequent bridge inspections raise its sufficiency rating above 50.)* A complete list of all 200 FASTER eligible bridges is included in Appendix A. When the law was enacted in 2009, there were 128 eligible structures. CDOT Staff Bridge updates the poor list semi-annually. During 2016, 8 additional bridges became eligible. This brings the FASTER eligible bridge count total to 200, as itemized in *Table 1* below.

Table 1: FASTER Eligible Bridges

Year	Poor list count
2009 (initial year of CBE)	128
2010	11
2011	15
2012	13
2013	12
2014	4
2015	9
2016	8
Total FASTER eligible bridges	200

The 8 additional bridges added to the program during calendar year 2016 are listed in *Table 2* below.

Table 2: New Poor Bridges Added to the BE Eligible Listing in 2016

Bridge ID	Region	County	Facility Carried over Featured Intersection
E-16-LU	1	Adams	I-76 over WBND over Clear Creek
F-20-G	1	Arapahoe	I-70 Service Rd over Middle Bijou Creek
M-21-J	2	Otero	US 350 over Draw
N-17-AD	2	Huerfano	I-24 SBND over US160, SH 10 RR Spur
I-13-H	2	Park	US 24 over Draw
F-09-K	3	Eagle	US 6 over Castle Creek
D-16-CV	4	Boulder	SH 157 over BNSF RR
I-05-V	3	Delta	SH 92 over Gunnison River

\$300M Bond Program Delivery

To accelerate the completion of Colorado’s worst bridges, the Bridge Enterprise Board of Directors voted to issue \$300M in Build America Bonds (BABs) in December of 2010. Currently there are 89 bridges that are partially or fully funded with bond proceeds. The initial \$300 million bond was planned to fund approximately 59 bridge projects. The primary focus for the calendar year was to expend the remainder of the bond proceeds, including interest earnings. The \$307.9M of bond proceeds and interest earnings were 100% expended as of June 2016.

Bridge Enterprise Prioritization Plan

In 2015, BE proposed revisions to the Prioritization Plan that take into account additional qualitative factors such as project readiness, programmatic resources and anticipated project costs. The June 2016 update was the first opportunity for BE staff to implement the requirements of the Procedural Directive (PD) BE16.1 adopted by the Board of Directors in January 2016. In accordance with the PD, BE staff performed both a quantitative and qualitative analysis of all BE eligible bridges that have not been repaired or replaced. This included extensive coordination with CDOT Region staff and Staff Bridge Branch.

Mid-range and Long-range Program Plan

Consistent with CDOT initiatives, BE has implemented a program rolling mid-range (four year) plan and long-range (ten year) plan. The mid-range is updated annually as program resources and goals evolve. Each plan utilizes anticipated BE revenues to forecast and plan expenditures on various project commitments.

Mid-Range Plan

The mid-range planning period is currently set at four years. The FY2017-2020 Four-Year Plan represents the first mid-range plan by BE. For planning purposes, revenues during this period are expected to remain relatively similar to the previous four years, at approximately \$100M. Consistent with BE Board of Directors Resolution 15-8-2, commitments to projects in this period are identified as either Central 70, or Non-Central 70. All projects that are anticipated to be completed within this period are shown on the BE Prioritization Plan discussed above. The Bridge Enterprise Four-Year Plan was finalized in July.

Long-Range Plan

The long-range planning period is currently set at ten years. The FY2017-2026 Ten-Year Plan represents the second long-range plan by BE. For planning purposes, revenues during this period are expected to rise due to organic growth in fee revenues collected. Commitments to projects in this period are both consistent with BE Board of Directors Resolutions regarding Central 70 and continue beyond the Central 70 construction period. Projects that are anticipated to be completed within this period are a combination of projects on the BE Prioritization Plan and a forecast of bridges that will become poor. The BE Ten-Year Plan was finalized in November.

Innovative Contract Delivery

Pursuant to one of the program goals adopted by the Bridge Enterprise Board of Directors (a program delivery plan that evaluates various options, encourages creativity, and a variety of innovative solutions), the program continues to explore and deploy innovative contracting delivery methods that (1) expedite the start of construction, and/or (2) accelerate overall project completion. This includes utilization of both Design / Build (D/B) and Construction Manager / General Contractor (CM/GC) contract delivery methods. Since program inception, BE has initiated twenty D/B projects that address twenty-eight bridges with a cumulative contract value of approximately \$302.3M. Ten D/B structures entered the construction phase in 2015; eight of those structures are a part of the Region 2 Ilex project, also known as the 'New Pueblo Freeway'. Construction on these projects continued throughout 2016. BE is also using or has used the CM/GC contracting methodology on five projects. These CM/GC projects address seven bridges with a cumulative contract value of approximately \$170.3M. One CM/GC project was completed in 2016: I-70 Peak Period Shoulder Lane (Str. F-14-Y BE portion) in Clear Creek County in Region 1. An additional innovative project completed this year was US 6 over Garrison St. The I-70 over Havana D/B project is still in progress. Further details about the Region 3 Grand Avenue Bridge CM/GC project are provided in the Grand Avenue Bridge Summary section of this document.

Utilization of the 100-year Service Life Strategy

In October 2014, a Region 5 structure, K-01-C, SH 90 over the Dolores River in Montrose County experienced failure and a temporary bridge was installed. The permanent structure will be the first constructed to utilize the 100-year Service Life Strategy techniques. The replacement bridge will use precast elements, including girders, deck and abutments to speed construction. The project will use all state funds to advance the schedule and is set for construction in CY2017.

Central 70 Summary

As the largest project in the BE program and the largest highway project the state of Colorado has ever undertaken, this project has been extensively evaluated for the appropriate procurement method and other innovative method opportunities. Currently, this project is slated to be delivered utilizing the Public-Private-Partnership (P3) method. This project is currently in the procurement stages with the latest revision of the Request for Proposal (RFP) having been released in June 2016. Project financial close is currently scheduled for the fall of 2017.

Grand Avenue Bridge Summary



Image 3: Central 70 Project Rendering

Region 3 is utilizing the Construction Management/General Contractor (CM/GC) procurement method for the Grand Avenue Bridge project. As reported in quarterly reports, the project completed its CM/GC procurement in January 2016. Due to the projects complexity, evaluation of CM/GC procurement value will not be analyzed until the project is complete. Currently, the project has been able to successfully mitigate significant risks with only minor changes to the schedule and budget. The progress to date has been very positive and management has identified areas where the CM/GC procurement has been valuable.

Program Reporting

Bridge Enterprise is committed to not only tracking program performance but also providing transparency via periodic program reporting as noted below:

Program Master Schedule: BE staff works with CDOT regional staff to update the program schedule on a monthly basis. The schedule update is used to determine a Schedule Performance Index (SPI) which compares Actual Progress to Planned Performance. Schedule performance is reviewed by Senior CDOT staff at the Schedule Change Control Board (SCCB) monthly meeting where appropriate adjustments are made. Schedule performance is also presented quarterly to the Board of Directors.

Quarterly Reporting: BE publishes Quarterly Reports that highlight program performance (i.e., number of completed bridges), significant accomplishments and activities, financial and schedule metrics, and economic outlook. Quarterly Reports are posted on the CDOT website.

Program Financial Performance: The financial plan and status for projects included within the program is presented to the Bridge Enterprise Board of Directors, CDOT Executive Director, and senior Bridge Enterprise staff on a quarterly basis. Cash draw down tables and cash flow charts are developed to track projected spending as compared to forecasted expenditures per the baseline schedule. In addition, program actual expenditures and encumbrances to date are reported.

Bridge Enterprise Website. CDOT and Bridge Enterprise staff maintains the Bridge Enterprise website. The information includes: current program progress, Frequently Asked Question (FAQ's) section, comprehensive list of FASTER eligible bridges, section on business opportunities with link to current bid list, and an interactive State map of all FASTER eligible bridges with relevant statistical information.

Other Significant Events / Initiatives

The following is an itemization of other significant events / initiatives completed during 2016.

- Presented FY2017 Bridge Enterprise budget, which was adopted by the Board.
- Presented FY2018 Bridge Enterprise draft Budget.
- The program recognized (via Board approved resolutions) the asset transfers, new bridge ID's and recognized newly completed bridges now owned by Bridge Enterprise
- Continuing work with CDOT liaison in ongoing negotiations and coordination with Union Pacific and Burlington Northern Santa Fe teams on railroad related project issues.
- Presented financial, engineering and construction updates in regards to various projects and program initiatives.
- Bridge Enterprise staff continues to work with CDOT staff to evaluate projects for accelerated bridge construction, innovative means, methods and materials.



Image 4: Central 70 Project Rendering

CBE Progress

Bridge Completion Status

In calendar year 2016, Bridge Enterprise completed repairs or replacement of 8 bridges. *Table 3* below presents the current status of the 200 FASTER eligible bridges included within the program, which is also graphically depicted in *Figure 1*. For comparison, the program status as of CY 2015 is depicted in *Figure 2*. *Figure 3* illustrates the progression of projects completed per year since the program's inception. (An itemization of all 200 FASTER eligible bridges with statistical information including their respective progress status is outlined in *Appendix A*.)

Table 3: Program Status -200 FASTER Eligible Bridges

Bridge Status	Number
Completed	131
In Construction	10
Design Complete	8
In Design	8
Remaining	43
Total Program	200

Bridge completion statistics are as follows:

- Approximately 70% of the FASTER eligible bridges are complete or in construction.
- Approximately 8% of FASTER eligible bridges are currently in design or design is completed.
- Approximately 21% of the FASTER eligible bridges remain to be programmed.

11 structures and 8 designs were completed in 2016 as itemized in *Table 4* and *Table 5*.

Table 4: Completed Projects / Bridges

Bridge ID	Region	County	Facility Carried over Featured Intersection
F-16-ER	1	Jefferson	US 6 ML over Garrison Street
F-14-Y	1	Clear Creek	I-70 Business RT over I-70 ML
F-17-GO	1	Arapahoe	US 40 ML EBND over Tollgate Creek
F-17-GA	1	Arapahoe	US 40 ML WBND over Tollgate Creek
E-17-JP	1	Denver	I-70 ML over Havana St, UPRR
K-16-S	2	Fremont	SH 120 ML over Draw, UPRR
L-28-C	2	Prowers	US 50 ML over BNSF RR
L-27-S	2	Prowers	US 50 ML over Draw
F-11-AC	3	Eagle	I-70 ML EBND over US 6, RR, Eagle River
F-11-AB	3	Eagle	I-70 ML WBND over US 6, RR, Eagle River
F-10-C	3	Eagle	US 6 ML over East Lake Creek

Table 5: Completed Design Projects

Bridge ID	Region	County	Facility Carried over Featured Intersection
L-22-L	2	Otero	SH 71 ML over Arkansas River
K-17-F	2	Pueblo	SH 96 ML over Rush Creek
D-13-A	3	Grand	US 34 ML over N Colorado River
F-10-L	3	Eagle	I-70 EBND over US 6 RR, Eagle River
G-03-Q	3	Mesa	I-70 ML WBND over Colorado River
F-05-L	3	Garfield	I-70 ML WBND over Colorado River
C-17-B	4	Weld	SH 60 ML over South Platte River
K-01-C	5	Montrose	SH 90 ML over Dolores

Figure 1: Program Status - 200 FASTER Eligible Bridges CY2016

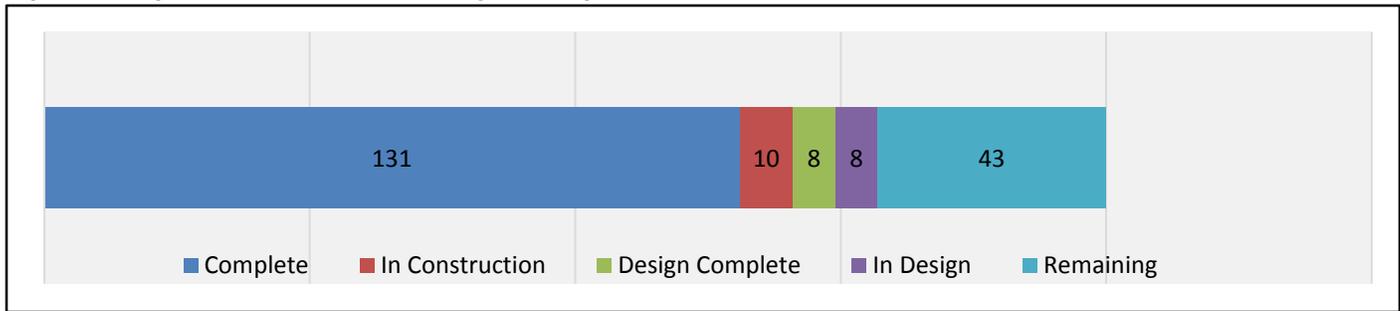
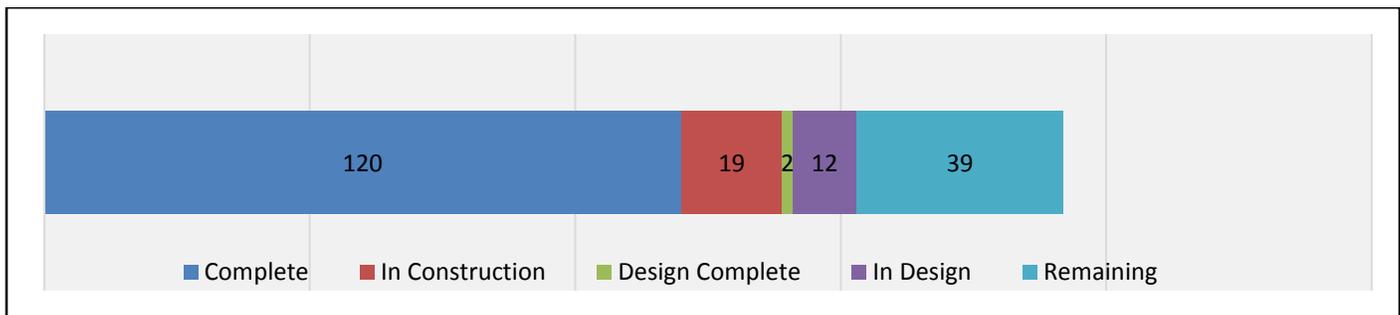


Figure 2: Program Status - 192 FASTER Eligible Bridges CY2015



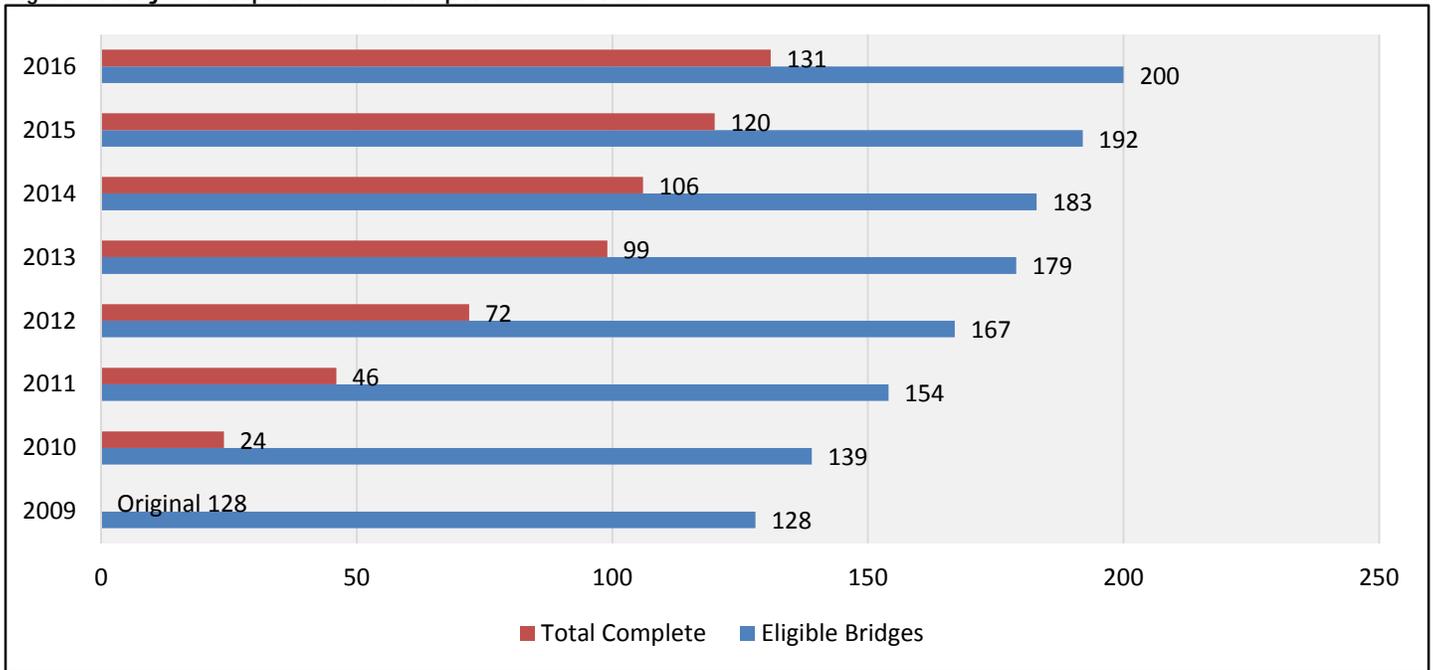
For bridges designated as “Remaining” there are several factors that have prevented these projects from being advanced for programming. These factors include:

- The bridge may have undergone maintenance actions which improved its condition and changed its priority.
- The bridge may have been identified for devolution or other mitigation.
- Other factors may have significantly changed the prioritization of the bridge. For example, these changes

- could be attributed in part to right-of-way or railroad constraints, economic impacts or historical significance of the bridge.
- The financial means to complete the project have been shifted to a local or non-CDOT entity.
- The program may not have the financial resources to advance the projects.

Some of these factors may impact whether the project is eligible for Bridge Enterprise funding. If the project is deemed ineligible, it will be removed from the Bridge Enterprise list

Figure 3: Project Completion Statistics per Calendar Year



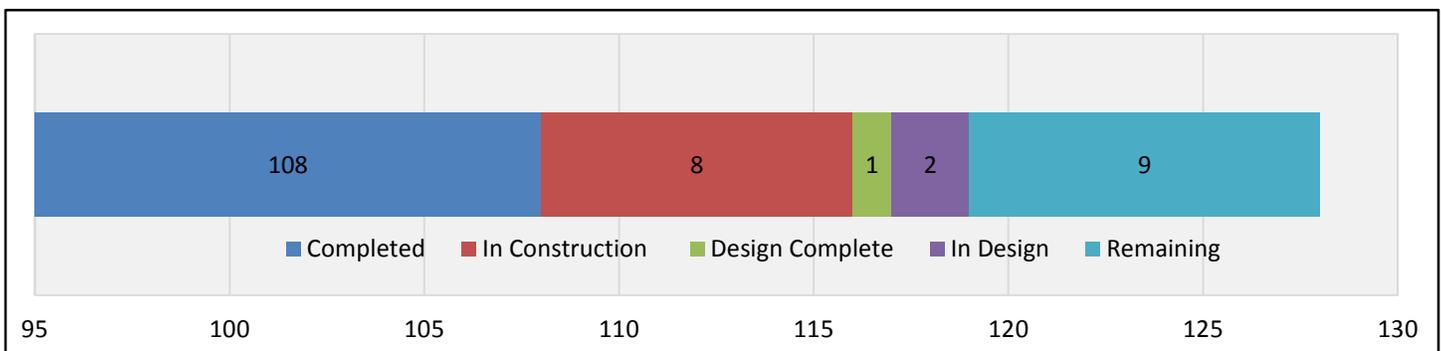
Bridge Completion Status (Original 128 Bridges)

Bridge Enterprise continued to monitor the status of the 128 FASTER eligible bridges added to the program at its inception in 2009. *Table 6* provides the completion status of these original 128 bridges which is also graphically depicted in *Figure 4*. A complete listing of the 128 bridges is represented in Appendix C.

Table 6: Status of Original 128 Program Bridges

Bridge Status	Number
Completed	108
In Construction	8
Design Complete	1
In Design	2
Remaining	9

Figure 4: Status of Original 128 Program Bridges



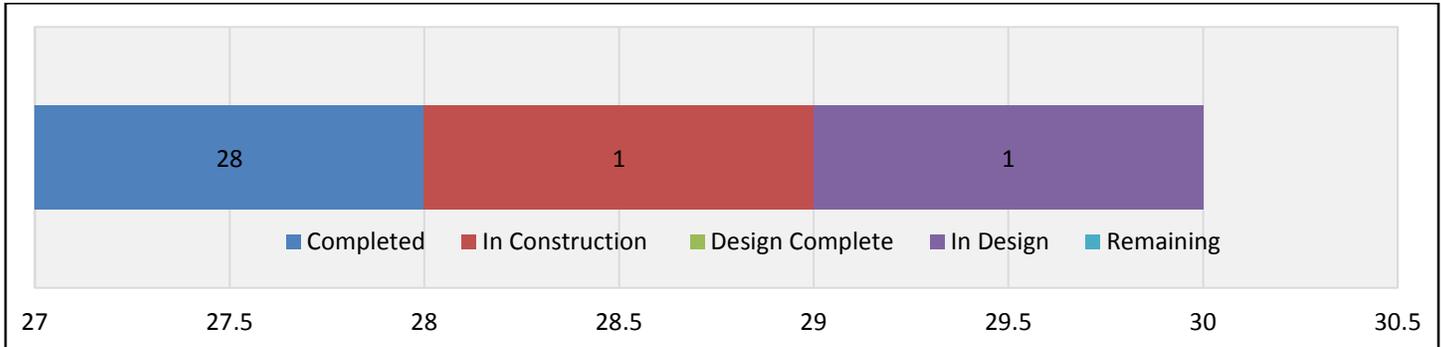
Bridge Completion Status (Original Worst 30 Bridges)

Along with the monitoring of the original 128 program bridges, Bridge Enterprise also tracked the status of the original “worst” 30 FASTER eligible bridges (based on sufficiency ratings) within the original 128. *Table 7* provides the completion status of these original worst 30 bridges which is also graphically depicted in *Figure 5*. A complete listing of the 30 bridges is represented in Appendix D.

Table 7: Status of Original Worst 30 Bridges

Bridge Status	Number
Completed	28
In Construction	1
Design Complete	-
In Design	1
Remaining	-

Figure 5: Status of Original Worst 30 Bridges



Bridge Completion Status (\$300M Bond Program)

Table 8: Project Status - \$300M Bond Program Bridges

Bridge Status	Number
Completed	76
In Construction	10
Design Complete	2
In Design	1
Total Program	89

There are currently a total of 89 bridges included within the \$300M bond program. These 89 bridges are included within (or a subset of) the total population of 200 FASTER eligible bridges but are tracked separately as their work scope is primarily funded with bond proceeds. *Table 8* provides the completion status of these 89 bridges which is also graphically depicted in *Figure 6*. For comparison, the status of bond bridges as of CY2015 is depicted in *Figure 7*. A complete listing of the 89 bridges included within the bond program is depicted in Appendix B.

Figure 6: Bond Program Project Status - 89 Bridges CY2016

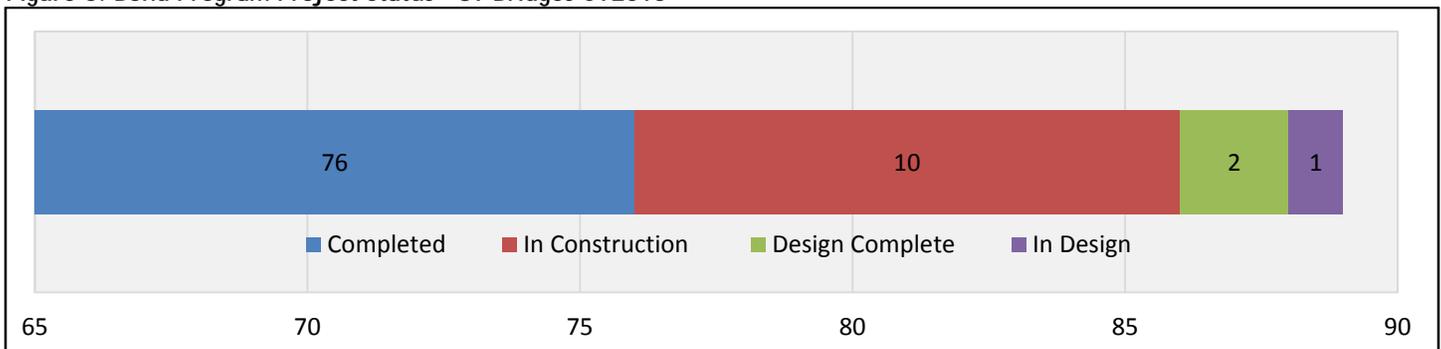
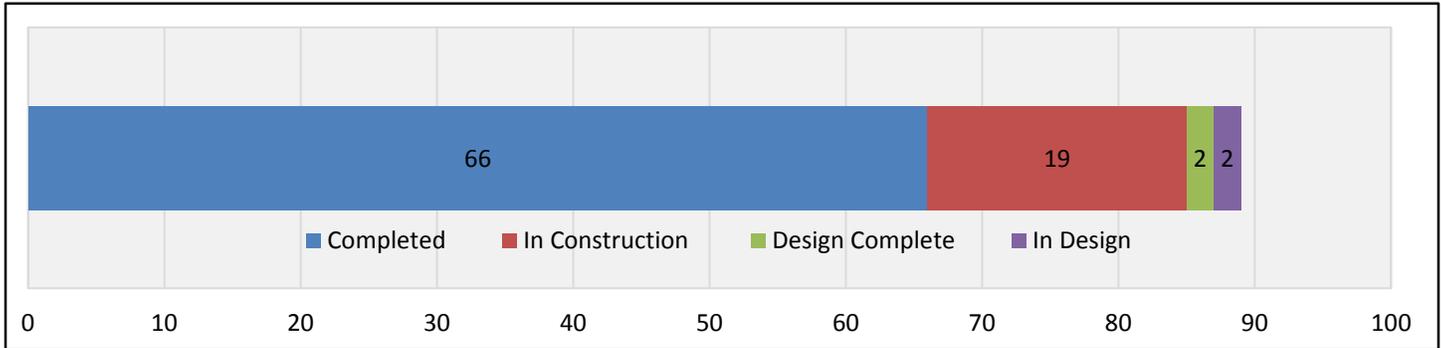


Figure 7: Bond Program Project Status - 89 Bridges CY2015



Program Performance Metrics

The Program implemented cost and schedule Key Performance Indicators (KPIs) to track, monitor and report program performance. As part of the monthly program schedule update, a Schedule Performance Index (SPI) is calculated for each project included within the program. The SPI is also calculated and reported at the regional and program levels. The SPI is based upon earned value which compares actual progress to planned performance based upon work complete to date. In 2015 the Program also started using an Expenditure Performance Index (XPI) metric consistent with the Program Management Office (PMO), Division of Transportation Development (DTD) and the lead/lag (L2) initiative. In summary, an expenditure curve is created based on tracking current value, in any given month, of funds expected to be spent by the Bridge Enterprise program against anticipated drawdowns. At any given point in time the XPI can be calculated by dividing actual expenditures by the expenditure curve value for the desired program size. However, SPI is still the primary metric the program uses to calculate performance.

The program SPI as of the December 31, 2016 was 0.97. An SPI of 1.0 would indicate that the program is on schedule; meaning actual progress is identical to the planned performance, or baseline schedule. The program has established an SPI goal of

0.90, but strives to attain a 1.0. *Table 9* below illustrates the earned value of the work complete (actual) as of December 31, 2016 was \$777.8M as compared to the planned value of the work (baseline) scheduled to be completed at \$801.4M; which indicates that the program is approximately 3% behind the plan.

Table 9: Program Earned Value

Earned Value (Actual) through Dec. 31, 2016	Planned Value (Baseline) through Dec. 31, 2016	Schedule Variance
\$777,798,566	\$801,429,101	\$23,480,487

For some projects which require involvement with a railroad entity, unpredictability has created unanticipated delays and has at times significantly impacted project schedules. Each month the Schedule Change Control Board (SCCB) reviews underperforming projects, discusses reasons for lost earned values, and votes on baseline schedule change requests submitted by the Regions.

FASTER Fee Revenues and Expenditures

In accordance with FASTER legislation, a bridge safety surcharge fee was phased-in over a three-year period, from 2010 through 2012; to finance repairs, reconstruction, or replacement to bridges deemed structurally deficient or functionally obsolete, and rated as “poor”. This fee (from \$13 to \$32) appears on vehicle registrations and is based on vehicle weight.

Tables 10 and 11 are an accounting of actual FASTER bridge surcharge fee revenues collected and a projection of future FASTER revenues to be collected.

Table 10: Actual FASTER Fee Revenues by Fiscal Year

Fiscal Year	Actual Revenues Collected ¹
2010	\$43,755,530
2011	\$65,328,855
2012	\$88,908,478
2013	\$92,839,475
2014	\$95,550,947
2015	\$98,026,565
2016	\$100,891,411
2017	\$44,711,552 ²

Table 11: Projected FASTER Fee Revenues by Fiscal Year

Fiscal Year	Projected Revenues Collection
2017	\$102,100,100
2018	\$104,630,664

Table 12 below represents an itemization of total FASTER Bridge Enterprise program expenditures (all funding sources) by fiscal year. Cost categories included within program expenditures include: project pre-construction and construction costs, program management services, region scoping pools, miscellaneous bond expenditures and maintenance costs for newly constructed structures.

Table 12: FASTER Bridge Program Expenditures by Fiscal Year

Fiscal Year	Bridge Enterprise Program Expenditures
2010	\$2,382,211
2011	\$44,119,228
2012	\$119,208,948
2013	\$171,104,146
2014	\$137,671,170
2015	\$146,751,968
2016	\$159,139,297 ³
2017	\$63,715,013

From program inception beginning in 2010, bridge repair/replacement projects have \$734.6 million in total expenditures and \$108.5 million in total encumbrances.

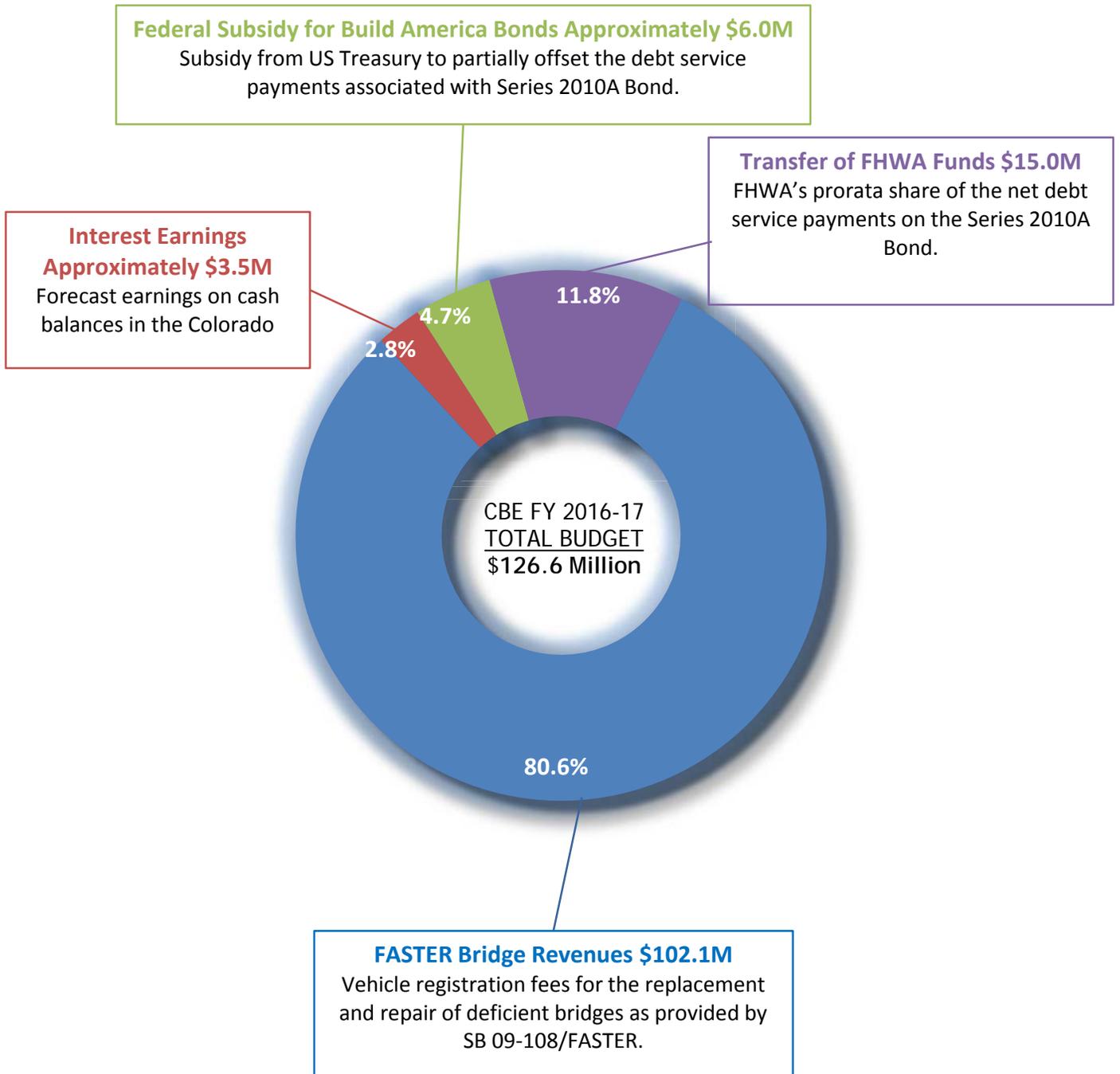
¹ Does not include any interest earnings or FHWA’s \$15M per year of pledged funding or bond proceeds

² Based upon five months (July – November) of reported expenditures.

³ Based upon five months (July – November) of reported expenditures.

WHERE DOES CBE BUDGET COME FROM?

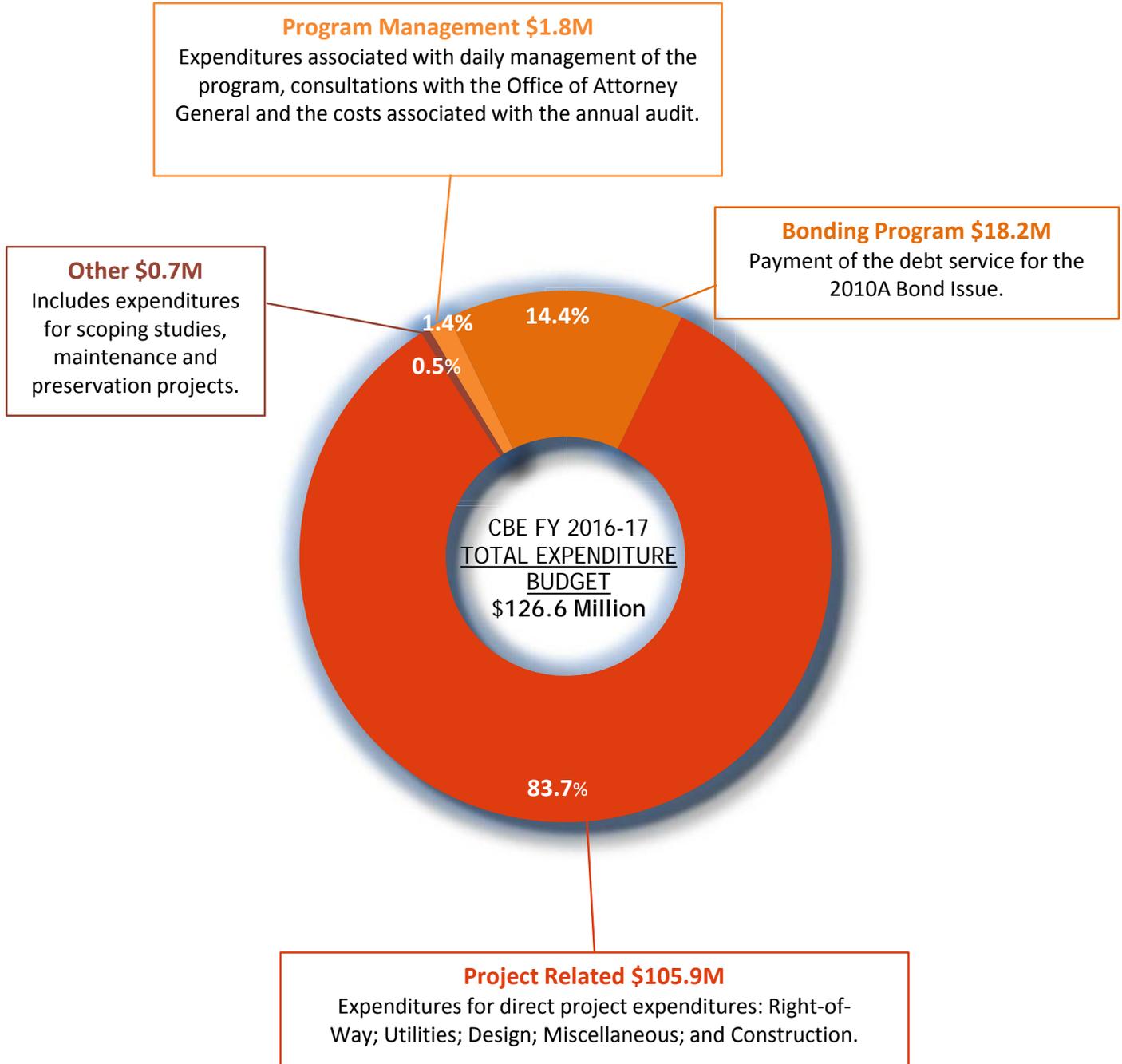
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*These revenues are based on the fiscal year, not calendar year.

*Figures represent budgeted revenues, not actual.

HOW DOES CBE EXPEND BUDGET?



Consultant Activities

Bridge Enterprise Program Manager

The Bridge Enterprise Program Manager (BEPM) provides the management and administration for the delivery of the bridge improvement program at the statewide level. The BEPM works with CDOT-Bridge Enterprise personnel who also support the program; and the five CDOT Regions responsible for project delivery, which includes the procurement, design, repair or reconstruction of each FASTER bridge located within their Region. This approach is consistent with current day-to-day CDOT business operations and allows for the most effective process for advancing Bridge Enterprise projects in an economical manner.

AECOM was selected as the Bridge Enterprise Program Manager (BEPM) in December 2015, and was awarded a five-year contract renewable on an annual basis. The BEPM core staff is located and works alongside the CDOT/Bridge Enterprise staff which also provides services for Bridge Enterprise at CDOT headquarters. In accordance with the FY 2016 BEPM work plan, the following program management services shall be provided:

- Oversight and administration of \$300M Bond Delivery Program with CDOT/Bridge Enterprise staff
- Maintain and Update Program Cost and Schedule database (all 200 FASTER eligible bridges) and overall Program Schedule.
- Program Financial Support Services and Subsequent Bond Issuance (if required).
- Development and Implementation of requisite Policy, Processes & Procedures guidance documents.
- Other PM support services: STIP/TIP coordination, Public Information / Public Relations, Maintenance of Bridge Enterprise SharePoint site, CDOT website, Program Reporting (Monthly and Quarterly Progress, and Annual Report), and support monthly Board of Director meetings.



Other Consultant Contracts

The following is a brief update of other major FASTER related contracts.

Non-Project Specific FASTER Design Contracts

Based on the amount of programmed work that still requires design related services, Bridge Enterprise worked with CDOT bridge staff and Region-specific staff and determined there was no need for a new suite of Bridge Enterprise Non Project Specific (NPS) contracts for 2016.

Construction Management and Materials Testing

Based on the amount of work scheduled to go to construction in 2016, Bridge Enterprise staff, CDOT bridge staff and Region-specific staff determined there was no need for a new suite of CM and Materials Testing services.

Independent Cost Estimator

CDOT continues to use the previously awarded two Independent Cost Estimator (ICE) contracts to support Guaranteed Maximum Pricing negotiations associated with construction projects and if necessary new projects and major change order external /secondary cost estimates.

The above consultant usage only highlights program-based consultant contracts. CDOT Regions are encouraged to use Project Specific contracts funded by Bridge Enterprise, in accordance with program guidelines, to deliver projects, if time constraints and limited regional resources call for additional consultant support to ensure timely project delivery.

Market Analysis & Economic Outlook

Colorado Economic Market Conditions

The state's economy continues to show momentum, indicating its resilience in the face of slow global growth, the contraction in the oil and gas industry, and volatility in the financial markets. (Source: Governor's Office of State Planning and Budgeting 'The Colorado Economic Outlook Economic and Fiscal Review' document).

Table 13 shows a comparison of rolling four quarter data, Q3 2015 and Q3 2016. From the third quarter 2015 CDOT Colorado Construction Cost Index (CCCI) Report to the to the third quarter of 2016 CCCI report, costs for construction are less volatile than in previous years, partially due to the strong seasonal nature of transportation construction in Colorado.

Table 13: Colorado Construction Cost Index Reporting

Construction Category	Average Bid Price (CDOT)		Cost Increase or Decrease (%)
	CY15 Q3	CY16 Q3	
Earthwork (c.y.)	\$20.32	\$10.66	(48%)
Asphalt (ton)	\$98.61	\$83.55	(15%)
Concrete (pavement) (s.y.)	\$75.70	\$52.59	(31%)
Concrete (structure) (c.y.)	\$739.20	\$606.80	(18%)
Reinforcing Steel (lb.)	\$1.33	\$0.94	(29%)

FASTER Job Creation

The FHWA tracks the economic benefits of highway capital investments (which include bridge replacement projects) and from a job creation perspective employment impacts fall into three categories as listed below:

- Direct jobs are occupations that work directly on the project such as project planners, designers, engineers and construction workers.

- Indirect jobs are considered positions at suppliers of materials for the project, such as steel, concrete, wood, etc.
- Induced jobs are jobs created by the spending of monies provided as project salaries [or employee payroll] for items such as mortgage payments, groceries, gas entertainment, etc.

The most recent official estimate of the impacts of infrastructure investment on employment was generated by Council of Economic Advisers (CEA) within the Executive Office of the President. In a 2014 DOT statement, the CEA estimated that every \$1 billion in Federal highway and transit investment funded by the American Jobs Act would support 13,000 jobs for one year (this statistic was not updated or appended by DOT in 2016). This correlates to approximately 6,825 full-time positions; primarily in construction craft labor. In addition, preconstruction program expenditures (i.e., engineering and project designs) created another approximately 2730 full-time positions; primarily engineers. Approximately 9,555 direct jobs have been created by the FASTER program through spending from March 1, 2010 through November 2016. December figures were not available at the time this report was published, and therefore could not be included in calculations.



Direct jobs created by FASTER = +/- 9,555

Where is the Program Going?

The forecasted 2017 program objectives focus on the following items:

Future Financial Plan

The plan continues to be evaluated based on various bonding scenarios for Central 70 funding options. A financial summary was presented to the CDOT Executive Management Team in November 2014 outlining the Central 70 funding scenarios and impacts to the Bridge Enterprise program. Formal decisions regarding this project's financing have been made that confirmed that the Bridge Enterprise contribution will be \$850M (NPV), and allowed for more flexibility in early year contributions to the project. The Bridge Enterprise future financial plan will be updated when the Central 70 project parameters are more clearly defined, as a significant amount of Bridge Enterprise resources are earmarked for the eligible features of the Central 70 project.

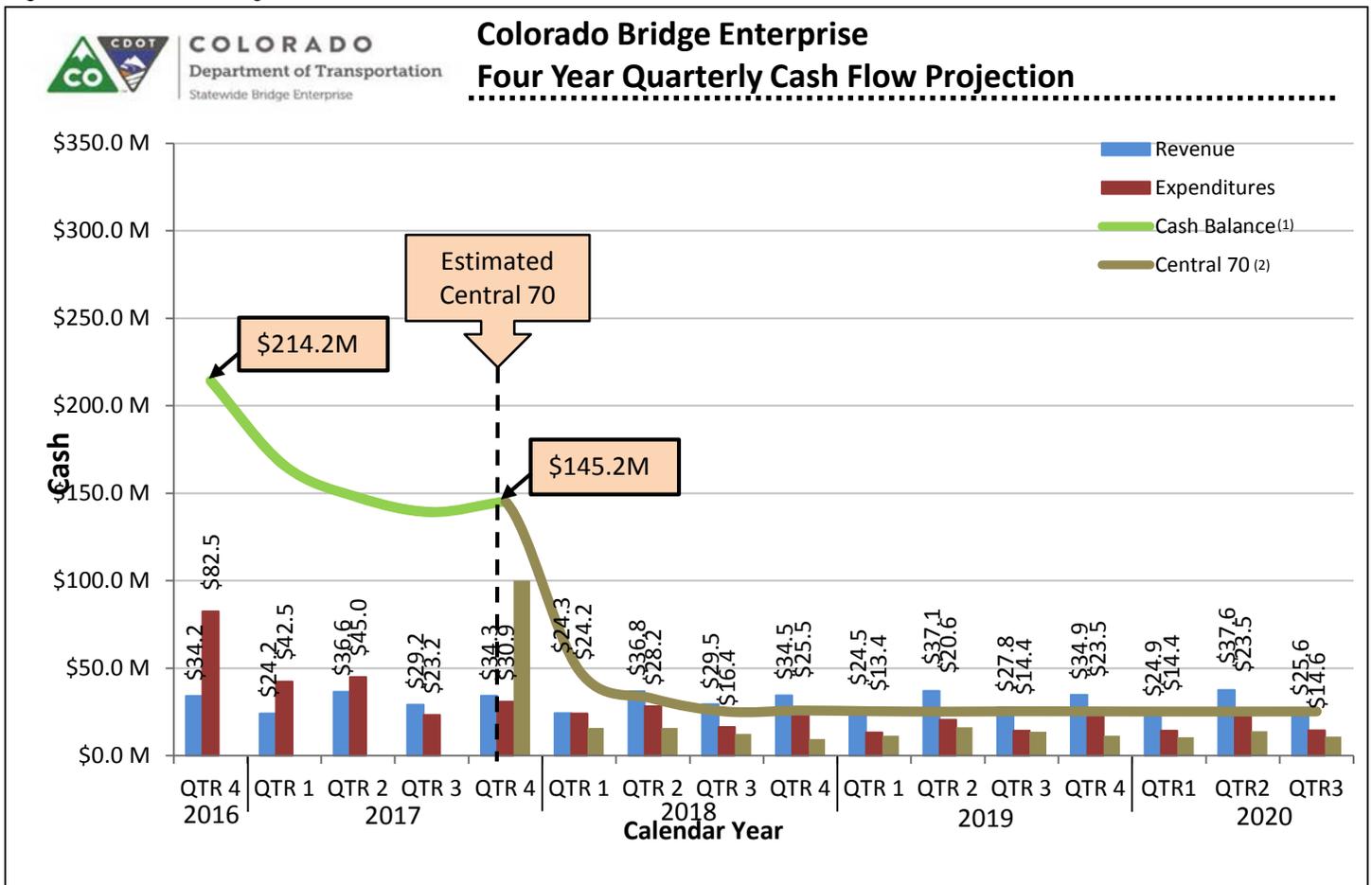
Prioritization Plan

Program staff continues to work closely with CDOT Staff Bridge and Region staff; and shall continue to use and refine the Prioritization Plan for recommendations of distribution of available FASTER Bridge funding to the most deserving structures.

Financial Tracking and Reporting

Program staff shall continue to track and monitor overall program financial performance on a monthly basis. According to the most recent Bridge Enterprise program update, the program currently has a \$XXX.XM program liability, which includes all projects funded with Bridge Enterprise funds since program inception and forecasts for currently programmed projects. At this time, the future FASTER Bridge (or pay-go funding) are forecasted to cover this projected financial liability. Cash flow projections are depicted in *Figure 8* below.

Figure 8: Cash Flow Projection



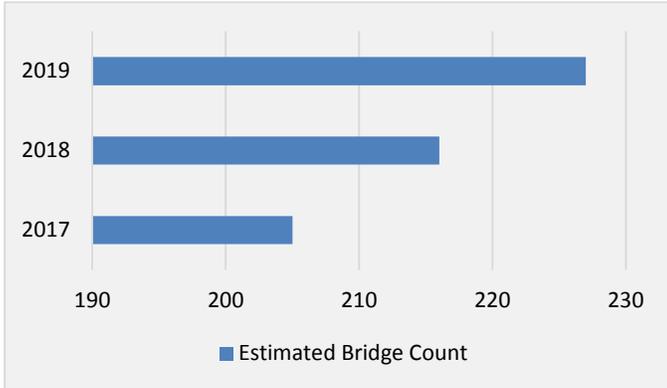
(1) Cash balance line includes the use of \$116.9 M of preconstruction activities for the Central 70.

(2) Estimated impact to cash - assuming cash contribution to Central 70 project through Q3 2020, for milestone and availability payments from the most recent financial model.

A Brief Look Ahead

BE Eligible Bridge count is forecasted to grow at an average of approximately eleven (11) bridges per year. Current 2016 count is 8. *Figure 9* shows the potential total growth in the number of BE eligible bridges for the future 3-year period. Additionally, the age of the current Colorado bridge population may indicate a spike in eligible bridges starting in 2019-2030.

Figure 9: Estimated BE Bridge Count



Recommendations for Statutory Changes

While CDOT and the Bridge Enterprise may consider pursuing legislation in the future to further improve the program, the Enterprise is satisfied that FASTER as currently written provides the authority necessary to effectively and efficiently address some of Colorado’s most deficient bridges. There are no recommendations for statutory changes at this time.



Appendix A
 List of 200 FASTER Eligible Bridges

Structure Number	CDOT Region	County	Facility Carried over Featured Intersection	Current Status	Added to BE Program (Year)
E-16-FP	1	ADAMS	80TH AVE over US 36 ML	Construction Complete	2009
E-16-GQ	1	ADAMS	SH 95 ML (SHERIDAN BLVD) over UP RR, RR SPUR; N of JCT I 76 in WHEATRIDGE	Construction Complete	2009
E-17-AR	1	ADAMS	SH 7 ML over SOUTH PLATTE RIVER	Construction Complete	2009
E-17-CA	1	ADAMS	SH 44 ML (104TH AVE) over SOUTH PLATTE RIVER; W of JCT US 85	Construction Complete	2009
E-17-DC	1	ADAMS	I 76 ML EBND over UP RR; E of JCT US 85	Construction Complete	2009
E-17-DM	1	ADAMS	I 76 ML WBND over UP RR	Construction Complete	2009
E-17-DN	1	ADAMS	I 76 ML EBND over UP RR	Construction Complete	2009
E-17-DU	1	ADAMS	I 76 ML WBND over UP RR; E of JCT US 85	Construction Complete	2009
E-17-EP	1	ADAMS	SH6 DITCH RIDER RD over BURLINGTON CANAL SR	Remaining	2009
E-17-ER	1	ADAMS	SH 44 ML (104TH AVE) over BULL SEEP; W of US 85	Construction Complete	2009
E-17-EX	1	ADAMS	PEORIA STREET over I 76 ML; NE of JCT US 85	Construction Complete	2009
E-17-EZ	1	ADAMS	84TH AVE over I 25 ML	Construction Complete	2009
E-17-GM	1	ADAMS	I 76 ML EBND over SOUTH PLATTE RIVER; NE of JCT I 270	Construction Complete	2009
E-17-HG	1	ADAMS	104TH AVE over I 25 ML	Construction Complete	2009
E-17-HL	1	ADAMS	I 76 ML EBND over SH 224 ML	Construction Complete	2009
F-19-AF	1	ADAMS	COUNTY ROAD over I 70 ML	Remaining	2010
E-17-GL	1	ADAMS	I 76 ML WBND over SOUTH PLATTE RIVER; NE of JCT I 270	Construction Complete	2011
E-17-IC	1	ADAMS	YORK STREET over I 270 ML	Remaining	2011
E-16-AA	1	ADAMS	US 287 ML over BNSF RR SPUR; at 69TH AVE	In Construction	2012
E-16-LU	1	ADAMS	I-76 over WBND over CLEAR CREEK	Remaining	2016
F-16-F	1	ARAPAHOE	US 85(SANTA FE) ML NBND over DAD CLARK GULCH; in LITTLETON	Construction Complete	2009
F-16-FY	1	ARAPAHOE	US 285 ML SBND over SH 88 ML	Construction Complete	2009
F-16-FZ	1	ARAPAHOE	US 285 ML NBND over SH 88 ML	Construction Complete	2009
F-17-DM	1	ARAPAHOE	SH 88 ML/ARAP RD over CHERRY CREEK; W OF SH 83(PARKER RD)	Construction Complete	2009
F-17-F	1	ARAPAHOE	US 40 ML (E COLFAX) EBND over SAND CREEK; E of I-225	Construction Complete	2009
F-17-GO	1	ARAPAHOE	US 40 ML (E COLFAX) EBND over TOLLGATE CREEK; W of I-225	Construction Complete	2009



Appendix A
 List of 200 FASTER Eligible Bridges

F-19-B	1	ARAPAHOE	US 36 ML over COMANCHE CREEK; E of STRASBURG	Construction Complete	2009
F-17-BS	1	ARAPAHOE	US 40 ML (E COLFAX) WBND over SAND CREEK; E of I-225	Construction Complete	2011
F-17-GA	1	ARAPAHOE	US 40 ML (E COLFAX) WBND over TOLLGATE CREEK; W of I-225	Construction Complete	2012
F-19-F	1	ARAPAHOE	US 36 ML over DRAW	Remaining	2012
F-20-G	1	ARAPAHOE	I-70 SERVICE RD over MIDDLE BIJOU CREEK	Remaining	2016
E-16-FK	1	BROOMFIELD	SH 121 ML SBND- WADSWORTH PKWY over US 36 ML (DENVER/BOULDER TNPK)	Construction Complete	2009
E-16-FL	1	BROOMFIELD	CNTY RD / OLD WADS over US 36 ML (DENVER/BOULDER TNPK); SE of JCT SH 121	Construction Complete	2009
F-14-B	1	CLEAR CREEK	I 70 FRONTAGE RD over CLEAR CREEK (SR); W IDAHO SPRINGS	Construction Complete	2009
F-14-Y	1	CLEAR CREEK	I 70(BUSINESS RT) over I 70 ML	Construction Complete	2009
F-15-BL	1	CLEAR CREEK	I 70 ML WBND over US 6, CLEAR CREEK	Remaining	2009
F-15-D	1	CLEAR CREEK	I 70 FRONTAGE RD over CLEAR CREEK (SR)	Remaining	2009
E-16-FW	1	DENVER	PECOS STREET over I 70 ML; in DENVER	Construction Complete	2009
E-17-AH	1	DENVER	ON 40TH AVE W of SH 2 ML over BNSF RR	Remaining	2009
E-17-BY	1	DENVER	I 70 ML EBND over SAND CREEK; E of QUEBEC ST	Construction Complete	2009
E-17-EW	1	DENVER	I 70 ML EBND over UP RR; W of QUEBEC STREET	In Design	2009
E-17-FX	1	DENVER	I 70 ML over US 6, RR, CITY ST	In Design	2009
E-17-GE	1	DENVER	I 70 ML WBND over SAND CREEK; E of QUEBEC ST	Construction Complete	2009
F-16-BM	1	DENVER	SH 88 ML over RR, LAKEWOOD GULCH	Construction Complete	2009
F-16-DP	1	DENVER	I 25 ML over RDWY, RR, SOUTH PLATTE RVR; BRONCO BRIDGE	Construction Complete	2009
F-16-DT	1	DENVER	I 25 ML NBND over US 85 ML (SANTA FE)	Construction Complete	2009
F-16-DW	1	DENVER	I 25 ML SBND over US 85 ML (SANTA FE)	Construction Complete	2009
F-16-EF	1	DENVER	US 6 ML over SOUTH PLATTE RIVER; W SIDE of I-25	Construction Complete	2009
F-16-EJ	1	DENVER	US 6 ML over BNSF RR; E SIDE OF I-25	Construction Complete	2009
F-16-EN	1	DENVER	US 6 ML over BRYANT STREET; W SIDE OF I-25	Construction Complete	2009
F-16-FW	1	DENVER	US 287+SH 88 (FEDERAL) over US 40 ML (COLFAX)	Construction Complete	2009
F-16-GG	1	DENVER	PERRY STREET over US 6 ML; W of FEDERAL	Remaining	2009
F-17-AE	1	DENVER	SH 30 ML/HAVANA ST over CHERRY CREEK	Construction Complete	2009



Appendix A
 List of 200 FASTER Eligible Bridges

E-17-DF	1	DENVER	I 70 ML WBND over UP RR W of QUEBEC STREET	In Design	2010
E-17-JP	1	DENVER	I 70 ML over HAVANA ST, UP RR	Construction Complete	2010
F-16-OG	1	DENVER	RAMP to I 25 NBND over US 6 ML	Construction Complete	2011
E-17-KR	1	DENVER	I 270 ML EBND over I 70 ML	In Design	2013
E-17-EQ	1	DENVER	SH 265 OVER ML RACE STREET	Remaining	2015
G-16-B	1	DOUGLAS	US 85 ML over DRAW; COOK RANCH to LOUVIERS	Construction Complete	2009
G-16-C	1	DOUGLAS	US 85 ML over DRAW; COOK RANCH to LOUVIERS	Construction Complete	2009
G-17-A	1	DOUGLAS	US 85 ML over SAND CREEK	Design Complete	2009
E-16-FX	1	JEFFERSON	WASHINGTON STREET over SH 58 ML	Construction Complete	2009
E-16-HI	1	JEFFERSON	SH 58 ML over CO. RD, RR SPUR	Construction Complete	2009
F-16-AM	1	JEFFERSON	US 285 ML SBND over SH 121 ML	Construction Complete	2009
F-16-AY	1	JEFFERSON	US 285 ML NBND over SH 121 ML	Construction Complete	2009
F-16-CS	1	JEFFERSON	SH121 ML-WADSWORTH over BEAR CREEK; N OF 285	Construction Complete	2009
F-16-FL	1	JEFFERSON	US 6 ML over SH 95 ML/SHERIDAN AVE.	Construction Complete	2009
F-16-I	1	JEFFERSON	US 285 ML SBND over PIERCE STREET	Construction Complete	2009
E-16-HA	1	JEFFERSON	SH 58 ML over FORD STREET, WASH	Construction Complete	2012
F-16-ER	1	JEFFERSON	US 6 ML over GARRISON STREET (LAKEWOOD)	Construction Complete	2013
O-25-I	2	BACA	US 160 ML over DRAW; W of PRITCHETT	Construction Complete	2009
O-26-L	2	BACA	US 160 ML over CAT CREEK; W of SPRINGFIELD	Construction Complete	2009
O-25-H	2	BACA	US 160 ML over N FK SAND ARROYO; SW of PRITCHETT	Construction Complete	2010
L-24-F	2	BENT	SH 101 ML over PURGATOIRE RIVER; S of LAS ANIMAS	Construction Complete	2009
M-24-B	2	BENT	SH 101 ML over DRAW; S of LAS ANIMAS and JCT US 50	Construction Complete	2009
L-21-U	2	CROWLEY	SH 96 ML over NUMA DRAIN CANAL	Construction Complete	2009
L-22-F	2	CROWLEY	SH 96 ML over BLACK DRAW	Construction Complete	2009
H-17-M	2	EL PASO	I 25 ML over DRAW	Construction Complete	2009
H-18-A	2	EL PASO	US 24 ML over BLACK SQUIRREL CREEK; W of PEYTON	Construction Complete	2009
I-17-AE	2	EL PASO	US 24 ML EBND over FOUNTAIN CREEK	Construction Complete	2009



Appendix A
 List of 200 FASTER Eligible Bridges

I-18-G	2	EL PASO	US 24 ML over DRAW; E of FALCON	Construction Complete	2009
J-18-S	2	EL PASO	I 25 ML NBND over DRAW; S of FOUNTAIN	Construction Complete	2009
J-18-T	2	EL PASO	I 25 ML NBND over DRAW; S of FOUNTAIN	Construction Complete	2009
I-17-O	2	EL PASO	I 25 SERVICE RD over PINE CREEK; S of JCT SH 56	In Design	2011
I-18-I	2	EL PASO	US 24 ML over Draw	Remaining	2015
J-15-B	2	FREMONT	SH 9 ML over CURRANT CREEK; NW of JCT US 50	Construction Complete	2009
K-16-K	2	FREMONT	SH 120 ML over RR, ARKANSAS RIVER; E of PORTLAND	Construction Complete	2009
K-16-Q	2	FREMONT	SH 120 ML over HARDSCRABBLE CREEK	Construction Complete	2009
K-16-S	2	FREMONT	SH 120 ML over DRAW, UP RR; E of FLORENCE	Construction Complete	2009
K-14-J	2	FREMONT	US 50 ML over DRAW, btwn TEXAS CREEK & COTOPAXI	Construction Complete	2011
K-16-W	2	FREMONT	SH 67 ML over DRAW	Construction Complete	2012
K-14-B	2	FREMONT	US 50 ML over OAK CREEK	Remaining	2013
N-16-L	2	HUERFANO	SH 69 ML over TURKEY CREEK	Construction Complete	2009
N-17-AD	2	HUERFANO	I 25 ML SBND over US 160 ML, RR SPUR	Remaining	2009
N-17-N	2	HUERFANO	I 25 ML NBND over MISSOURI CREEK	Construction Complete	2009
O-16-A	2	HUERFANO	SH 12 ML over CUCHARAS RIVER; S of LA VETA	Construction Complete	2009
M-16-P	2	HUERFANO	SH 69 ML over MILLIGAN ARROYO; Near GARDNER	Design Complete	2011
N-17-C	2	HUERFANO	I 25 BUS RT over SULL CREEK; Near WALSENBURG	Construction Complete	2011
N-17-BN	2	HUERFANO	I25 ML SBND over CO RD 640, BUTTE CREEK	Remaining	2013
N-17-S	2	HUERFANO	I25 ML NBND over CO RD 103, BUTTE CREEK	Remaining	2013
N-17-AD	2	HUERFANO	I-24 SBND over US160, SH 10 RR SPUR	Remaining	2016
K-23-B	2	KIOWA	SH 96 ML over DRAW	Construction Complete	2009
K-23-C	2	KIOWA	SH 96 ML over DRAW	Construction Complete	2009
K-24-A	2	KIOWA	SH 96 ML over DRAW	Construction Complete	2009
O-19-H	2	LAS ANIMAS	US 350 ML over PURGATOIRE RIVER; NE of JCT US 160	Construction Complete	2009
P-17-H	2	LAS ANIMAS	SH 12 ML over PURGATOIRE RIVER; NW of WESTON	Construction Complete	2009
P-18-B	2	LAS ANIMAS	I 25 ML NBND over PURGATOIRE RIVER	Construction Complete	2009
P-18-S	2	LAS ANIMAS	I 25 ML SBND over PURGATOIRE RIVER	Construction Complete	2009



Appendix A
 List of 200 FASTER Eligible Bridges

O-19-J	2	LAS ANIMAS	US 350 ML over DRAW; S of MODEL	Construction Complete	2010
P-19-AD	2	LAS ANIMAS	SH 239(CO RD 75) ML over IRRIGATION CANAL; in TRINIDAD	Construction Complete	2010
P-23-A_MINOR	2	LAS ANIMAS	US 160 ML over SMITH CANYON TRIBUTARY; Near KIM, CO	Construction Complete	2011
L-22-E	2	OTERO	SH 266 ML over FT LYON STORAGE CANAL; NE of ROCKY FORD	Construction Complete	2009
L-22-O	2	OTERO	SH 266 ML over HOLBROOK CANAL; NE of ROCKY FORD	Construction Complete	2009
M-21-D	2	OTERO	US 350 ML over DRAW; SW of LA JUNTA & TIMPAS	Construction Complete	2009
L-22-K	2	OTERO	SH 71 ML over FT LYON CANAL; NW of ROCKY FORD	Construction Complete	2011
L-22-L	2	OTERO	SH 71 ML over ARKANSAS RIVER	Design Complete	2013
M-21-C	2	OTERO	US 350 ML over HOE RANCH ARROYO	Remaining	2015
M-22-Y	2	OTERO	US 350 ML over DRAW	Remaining	2015
M-21-J	2	OTERO	US 350 over DRAW	Remaining	2016
G-12-L	2	PARK	SH 9 ML over BUCKSKIN GULCH; in ALMA	Construction Complete	2009
G-12-C	2	PARK	SH 9 ML over PLATTE GULCH	Remaining	2012
I-13-H	2	PARK	US 24 ML over DRAW	Remaining	2016
L-27-S	2	PROWERS	US 50 ML over DRAW; E of LAMAR	Construction Complete	2009
L-28-C	2	PROWERS	US 50 ML over BNSF RR; E of GRANADA	Construction Complete	2009
L-28-F	2	PROWERS	SH 89 ML over ARKANSAS RIVER; S of HOLLY	Construction Complete	2009
K-18-AX	2	PUEBLO	I 25 ML NBND over US 50 BUS. RTE.	In Construction	2009
K-18-CK	2	PUEBLO	I 25 ML NBND over NP RR, ILEX ST, BENNET ST; N of JCT SH 50 E	In Construction	2009
K-18-CL	2	PUEBLO	I 25 ML SBND over NP RR, ILEX ST, BENNET ST; S of JCT SH 96	In Construction	2009
K-18-R	2	PUEBLO	US 50 BUS EBND over ARKANSAS RIVER	In Construction	2009
K-18-Z	2	PUEBLO	SH 96 ML over RDWY, RR, ARKANSAS RIVER	Construction Complete	2009
L-18-AQ	2	PUEBLO	NORTHERN AVE over I 25 ML	In Construction	2009
L-18-M	2	PUEBLO	I 25 ML NBND over INDIANA AVE	In Construction	2009
L-18-W	2	PUEBLO	I 25 ML SBND over INDIANA AVE	In Construction	2009
L-19-C	2	PUEBLO	US 50 BUS RT WBND over ST CHARLES RIVER	Construction Complete	2009
M-17-R	2	PUEBLO	I 25 ML over DRAW	Construction Complete	2009
M-20-A	2	PUEBLO	SH 10 ML over SAUNDERS ARROYO	Construction Complete	2009



Appendix A
 List of 200 FASTER Eligible Bridges

L-18-AU	2	PUEBLO	MESA AVE over I 25 ML	In Construction	2012
K-17-F	2	PUEBLO	SH 96 ML over RUSH CREEK	Design Complete	2013
L-19-G	2	PUEBLO	SH 96 ML over BOB CREEK CANAL	Remaining	2013
L-19-F	2	PUEBLO	US 50 BUS. RT over DRAW	Remaining	2014
H-16-K	2	TELLER	SH 67 ML over DRAW	Construction Complete	2009
I-15-Y	2	TELLER	US 24 ML over TWIN CREEK	Construction Complete	2009
L-05-V	3	DELTA	SH 92 ML over GUNNISON RIVER	Remaining	2016
F-08-F	3	EAGLE	I 70 SERVICE RD over COLORADO RIVER (SR); N. of DOTSERO INT.	Construction Complete	2009
F-09-H	3	EAGLE	US 6 ML over EAGLE RIVER; E of EAGLE	Construction Complete	2009
F-11-AB	3	EAGLE	I 70 ML WBND over US 6, RR, EAGLE RIVER; E of JCT US 24	Construction Complete	2009
F-11-AC	3	EAGLE	I 70 ML EBND over US 6, RR, EAGLE RIVER; E of JCT SH 131	Construction Complete	2009
F-10-L	3	EAGLE	I 70 ML EBND over US 6, RR, EAGLE RIVER	Design Complete	2011
F-11-AO	3	EAGLE	I 70 ML EBND over TIMBER CREEK	Remaining	2012
F-08-D	3	EAGLE	I 70 ML over UP RR (SR)	Remaining	2013
F-10-C	3	EAGLE	US 6 ML over EAST LAKE CREEK	Construction Complete	2014
F-09-K	3	EAGLE	US 6 over CASTLE CREEK	Remaining	2016
F-07-A	3	GARFIELD	SH 82 ML over I70 ML, COLORADO RVR, RR; GLENWOOD SPRINGS	In Construction	2009
F-05-L	3	GARFIELD	I 70 ML WBND over COLORADO RIVER	Design Complete	2011
F-05-C	3	GARFIELD	SH 13 ML over RIFLE CREEK	Remaining	2012
D-13-A	3	GRAND	US 34 ML over N FK COLORADO RIVER	Design Complete	2012
D-12-F	3	GRAND	SH 125 ML over WILLOW CREEK	Remaining	2015
J-09-C	3	GUNNISON	US 50 SERVICE RD over GUNNISON RVR OVERFLOW (SR); W. SIDE of GUNNISON	Construction Complete	2009
J-09-D	3	GUNNISON	US 50 SERVICE RD over GUNNISON RVR (SR); W. SIDE of GUNNISON	Construction Complete	2009
J-09-G	3	GUNNISON	SH 114 ML over TOMICHI CREEK	Construction Complete	2009
G-11-F	3	LAKE	US 24 ML over UP RR	Construction Complete	2009
H-11-D	3	LAKE	US 24 ML over CALIFORNIA GULCH	Construction Complete	2012
H-11-F	3	LAKE	US 24 ML over CALIFORNIA GULCH	Construction Complete	2012
G-03-Q	3	MESA	I 70 ML WBND over COLORADO RIVER OVERFLOW	Design Complete	2011
H-09-B	3	PITKIN	SH 82 ML over CO RD, CASTLE CREEK	Construction Complete	2010



Appendix A
 List of 200 FASTER Eligible Bridges

C-09-C	3	ROUTT	US 40 ML over E FORK ELK RIVER; W of STEAMBOAT SPGS	Construction Complete	2009
E-12-I	3	SUMMIT	SH 9 ML over BLUE RIVER	Remaining	2013
E-15-AA	4	BOULDER	SH 170 ML over COMMUNITY DITCH AR	Remaining	2009
D-16-CV	4	BOULDER	SH 157 ML over BNSF RR	Remaining	2016
G-21-B	4	ELBERT	I 70 FRONTAGE RD over DRAW (SR)	Construction Complete	2009
G-21-Y	4	ELBERT	I 70 BUSINESS SPUR over I 70 ML	Remaining	2009
G-25-K	4	KIT CARSON	SH 59 ML over I-70 ML	Remaining	2015
B-16-AE	4	LARIMER	US 287 ML over DRAW; N of JCT SH 1	Construction Complete	2009
B-16-D	4	LARIMER	SH 14 ML over CACHE LA POUFRE RIVER; E of JCT US 287	Construction Complete	2009
C-15-I	4	LARIMER	US 34 ML over BIG THOMPSON RIVER	Construction Complete	2009
C-15-J	4	LARIMER	US 34 ML over BIG THOMPSON RIVER	Construction Complete	2009
C-17-EL	4	LARIMER	I 25 ML over DRAW	Remaining	2009
B-16-EU	4	LARIMER	COUNTY ROAD 48 over I 25 ML	In Design	2010
B-16-AM	4	LARIMER	PROSPECT ROAD over I 25 ML	Remaining	2014
G-22-J	4	LINCOLN	US 24 ML over DRAW; E of LIMON	Construction Complete	2009
A-24-C	4	LOGAN	US 138 ML over DITCH	Construction Complete	2009
A-26-F	4	SEDGWICK	US 138 ML over DRAW	Construction Complete	2015
C-17-BN	4	WELD	I 25 SERVICE RD over LITTLE THOMPSON RIVER; S of JCT SH 56	Construction Complete	2009
D-17-AK	4	WELD	SH 66 ML over ST VRAIN RIVER; W of PLATTEVILLE	Construction Complete	2009
B-17-L	4	WELD	SH 14 ML over COALBANK CREEK; W of AULT	Construction Complete	2010
C-18-BK	4	WELD	US 85 BYPASS SBND over US 85 BUS RT	Remaining	2010
D-19-A	4	WELD	I 76 SERVICE RD over LOST CREEK SR	Remaining	2010
B-17-C	4	WELD	US 85 ML (NUNN BRIDGE) over UPRR	Construction Complete	2011
C-17-B	4	WELD	SH 60 ML over SOUTH PLATTE RIVER	Design Complete	2013
D-28-B	4	YUMA	US 34 ML over N FK REPUBLICAN RIVER; W of LAIRD	Construction Complete	2011
P-09-L	5	ARCHULETA	US 84 ML OVER RIO BLANCO	Remaining	2015
O-12-AD	5	CONEJOS	SH 371 ML over ALAMOSA RIVER	Remaining	2012
O-05-AQ	5	LA PLATA	US 160 ML over ANIMAS RIVER	Construction Complete	2009



Appendix A
List of 200 FASTER Eligible Bridges

K-01-C	5	MONTROSE	SH 90 ML over DOLORES RIVER	Design Complete	2014
L-05-B	5	OURAY	SH 62 ML over UNCOMPAHGRE RIVER; SHERMAN ST in RIDGWAY	Construction Complete	2009
L-06-A	5	OURAY	US 550 ML over BEAR CREEK	Construction Complete	2009
N-11-C	5	RIO GRANDE	SH 112 ML over RIO GRANDE CANAL	Remaining	2013
K-11-G	5	SAGUACHE	US 50 ML OVER AGATE CREEK	Remaining	2015
M-06-K	5	SAN JUAN	US 550 ML over MINERAL CREEK	Construction Complete	2009
L-04-B	5	SAN MIGUEL	SH 145 ML over LEOPARD CREEK; JCT SH 62 - PLACERVILLE	Construction Complete	2009



Appendix B
List of 89 Bond Program Bridges

Structure Number	CDOT Region	County	Facility Carried over Featured Intersection	Current Status	Added to BE Program (Year)
E-16-GQ	1	ADAMS	SH 95 ML (SHERIDAN BLVD) over UP RR, RR SPUR; N of JCT I 76 in WHEATRIDGE	Construction Complete	2009
E-17-CA	1	ADAMS	SH 44 ML (104TH AVE) over SOUTH PLATTE RIVER; W of JCT US 85	Construction Complete	2009
E-17-DC	1	ADAMS	I 76 ML EBND over UP RR; E of JCT US 85	Construction Complete	2009
E-17-DU	1	ADAMS	I 76 ML WBND over UP RR; E of JCT US 85	Construction Complete	2009
E-17-ER	1	ADAMS	SH 44 ML (104TH AVE) over BULL SEEP; W of US 85	Construction Complete	2009
E-17-EX	1	ADAMS	PEORIA STREET over I 76 ML; NE of JCT US 85	Construction Complete	2009
E-17-GM	1	ADAMS	I 76 ML EBND over SOUTH PLATTE RIVER; NE of JCT I 270	Construction Complete	2009
E-17-GL	1	ADAMS	I 76 ML WBND over SOUTH PLATTE RIVER; NE of JCT I 270	Construction Complete	2011
E-16-AA	1	ADAMS	US 287 ML over BNSF RR SPUR; at 69TH AVE	In Construction	2012
F-16-F	1	ARAPAHOE	US 85(SANTA FE) ML NBND over DAD CLARK GULCH; in LITTLETON	Construction Complete	2009
F-17-DM	1	ARAPAHOE	SH 88 ML/ARAP RD over CHERRY CREEK; W of SH 83(PARKER RD)	Construction Complete	2009
F-17-F	1	ARAPAHOE	US 40 ML (E COLFAX) EBND over SAND CREEK; E of I-225	Construction Complete	2009
F-17-GO	1	ARAPAHOE	US 40 ML (E COLFAX) EBND over TOLLGATE CREEK; W of I-225	Construction Complete	2009
F-19-B	1	ARAPAHOE	US 36 ML over COMANCHE CREEK; E of STRASBURG	Construction Complete	2009
F-17-BS	1	ARAPAHOE	US 40 ML (E COLFAX) WBND over SAND CREEK; E of I-225	Construction Complete	2011
F-17-GA	1	ARAPAHOE	US 40 ML (E COLFAX) WBND over TOLLGATE CREEK; W of I-225	Construction Complete	2012
E-16-FK	1	BROOMFIELD	SH 121 ML SBND- WADSWORTH PKWY over US 36 ML (DENVER/BOULDER TNPK)	Construction Complete	2009
E-16-FL	1	BROOMFIELD	CNTY RD / OLD WADS over US 36 ML (DENVER/BOULDER TNPK); SE of JCT SH 121	Construction Complete	2009
F-14-Y	1	CLEAR CREEK	I 70(BUSINESS RT) over I 70 ML	Construction Complete	2009
E-16-FW	1	DENVER	PECOS STREET over I 70 ML; in DENVER	Construction Complete	2009
E-17-BY	1	DENVER	I 70 ML EBND over SAND CREEK; E of QUEBEC ST	Construction Complete	2009
E-17-GE	1	DENVER	I 70 ML WBND over SAND CREEK; E of QUEBEC ST	Construction Complete	2009
F-16-EF	1	DENVER	US 6 ML over SOUTH PLATTE RIVER; W SIDE of I-25	Construction Complete	2009
F-16-EJ	1	DENVER	US 6 ML over BNSF RR; E SIDE OF I-25	Construction Complete	2009
F-16-EN	1	DENVER	US 6 ML over BRYANT STREET; W SIDE OF I-25	Construction Complete	2009
F-16-FW	1	DENVER	US 287+SH 88 (FEDERAL) over US 40 ML (COLFAX)	Construction Complete	2009
E-17-JP	1	DENVER	I 70 ML over HAVANA ST, UP RR	Construction Complete	2010



Appendix B
List of 89 Bond Program Bridges

G-16-B	1	DOUGLAS	US 85 ML over DRAW; COOK RANCH to LOUVIERS	Construction Complete	2009
G-16-C	1	DOUGLAS	US 85 ML over DRAW; COOK RANCH to LOUVIERS	Construction Complete	2009
G-17-A	1	DOUGLAS	US 85 ML over SAND CREEK	Design Complete	2009
F-16-CS	1	JEFFERSON	SH121 ML-WADSWORTH over BEAR CREEK; N OF 285	Construction Complete	2009
F-16-FL	1	JEFFERSON	US 6 ML over SH 95 ML/SHERIDAN AVE.	Construction Complete	2009
E-16-HA	1	JEFFERSON	SH 58 ML over FORD STREET, WASH	Construction Complete	2012
F-16-ER	1	JEFFERSON	US 6 ML over GARRISON STREET (LAKEWOOD)	Construction Complete	2013
O-25-I	2	BACA	US 160 ML over DRAW; W of PRITCHETT	Construction Complete	2009
O-26-L	2	BACA	US 160 ML over CAT CREEK; W of SPRINGFIELD	Construction Complete	2009
O-25-H	2	BACA	US 160 ML over N FK SAND ARROYO; SW of PRITCHETT	Construction Complete	2010
L-24-F	2	BENT	SH 101 ML over PURGATOIRE RIVER; S of LAS ANIMAS	Construction Complete	2009
M-24-B	2	BENT	SH 101 ML over DRAW; S of LAS ANIMAS and JCT US 50	Construction Complete	2009
H-18-A	2	EL PASO	US 24 ML over BLACK SQUIRREL CREEK; W of PEYTON	Construction Complete	2009
J-18-S	2	EL PASO	I 25 ML NBND over DRAW; S of FOUNTAIN	Construction Complete	2009
J-18-T	2	EL PASO	I 25 ML NBND over DRAW; S of FOUNTAIN	Construction Complete	2009
I-17-O	2	EL PASO	I 25 SERVICE RD over PINE CREEK; S of JCT SH 56	In Design	2011
K-16-K	2	FREMONT	SH 120 ML over RR, ARKANSAS RIVER; E of PORTLAND	Construction Complete	2009
K-16-S	2	FREMONT	SH 120 ML over DRAW, UP RR; E of FLORENCE	Construction Complete	2009
K-14-J	2	FREMONT	US 50 ML over DRAW, btwn TEXAS CREEK & COTOPAXI	Construction Complete	2011
O-16-A	2	HUERFANO	SH 12 ML over CUCHARAS RIVER; S of LA VETA	Construction Complete	2009
M-16-P	2	HUERFANO	SH 69 ML over MILLIGAN ARROYO; Near GARDNER	Design Complete	2011
N-17-C	2	HUERFANO	I 25 BUS RT over SULL CREEK; Near WALSENBURG	Construction Complete	2011
O-19-H	2	LAS ANIMAS	US 350 ML over PURGATOIRE RIVER; NE OF JCT US 160	Construction Complete	2009
P-17-H	2	LAS ANIMAS	SH 12 ML over PURGATOIRE RIVER; NW of WESTON	Construction Complete	2009
O-19-J	2	LAS ANIMAS	US 350 ML over DRAW; S of MODEL	Construction Complete	2010
P-19-AD	2	LAS ANIMAS	SH 239(CO RD 75) ML over IRRIGATION CANAL; in TRINIDAD	Construction Complete	2010
P-23-A_MINOR	2	LAS ANIMAS	US 160 ML over SMITH CANYON TRIBUTARY; Near KIM, CO	Construction Complete	2011
L-22-E	2	OTERO	SH 266 ML over FT LYON STORAGE CANAL; NE of ROCKY FORD	Construction Complete	2009



Appendix B
List of 89 Bond Program Bridges

L-22-O	2	OTERO	SH 266 ML over HOLBROOK CANAL; NE of ROCKY FORD	Construction Complete	2009
M-21-D	2	OTERO	US 350 ML over DRAW; SW of LA JUNTA & TIMPAS	Construction Complete	2009
L-22-K	2	OTERO	SH 71 ML over FT LYON CANAL; NW of ROCKY FORD	Construction Complete	2011
G-12-L	2	PARK	SH 9 ML over BUCKSKIN GULCH; in ALMA	Construction Complete	2009
L-27-S	2	PROWERS	US 50 ML over DRAW; E of LAMAR	Construction Complete	2009
L-28-C	2	PROWERS	US 50 ML over BNSF RR; E of GRANADA	Construction Complete	2009
L-28-F	2	PROWERS	SH 89 ML over ARKANSAS RIVER; S of HOLLY	Construction Complete	2009
K-18-AX	2	PUEBLO	I 25 ML NBND over US 50 BUS. RTE.	In Construction	2009
K-18-CK	2	PUEBLO	I 25 ML NBND over NP RR, ILEX ST, BENNET ST; N of JCT SH 50 E	In Construction	2009
K-18-CL	2	PUEBLO	I 25 ML SBND over NP RR, ILEX ST, BENNET ST; S of JCT SH 96	In Construction	2009
K-18-R	2	PUEBLO	US 50 BUS EBND over ARKANSAS RIVER	In Construction	2009
L-18-AQ	2	PUEBLO	NORTHERN AVE over I 25 ML	In Construction	2009
L-18-M	2	PUEBLO	I 25 ML NBND over INDIANA AVE	In Construction	2009
L-18-W	2	PUEBLO	I 25 ML SBND over INDIANA AVE	In Construction	2009
L-18-AU	2	PUEBLO	MESA AVE over I 25 ML	In Construction	2012
F-08-F	3	EAGLE	I 70 SERVICE RD over COLORADO RIVER (SR); N. of DOTSERO INT.	Construction Complete	2009
F-09-H	3	EAGLE	US 6 ML over EAGLE RIVER; E of EAGLE	Construction Complete	2009
F-11-AB	3	EAGLE	I 70 ML WBND over US 6, RR, EAGLE RIVER; E of JCT US 24	Construction Complete	2009
F-11-AC	3	EAGLE	I 70 ML EBND over US 6, RR, EAGLE RIVER; E of JCT SH 131	Construction Complete	2009
F-07-A	3	GARFIELD	SH 82 ML over I70 ML, COLORADO RVR, RR; GLENWOOD SPRINGS	In Construction	2009
J-09-C	3	GUNNISON	US 50 SERVICE RD over GUNNISON RVR OVERFLOW (SR); W. SIDE of GUNNISON	Construction Complete	2009
J-09-D	3	GUNNISON	US 50 SERVICE RD over GUNNISON RVR (SR); W. SIDE of GUNNISON	Construction Complete	2009
C-09-C	3	ROUTT	US 40 ML over E FORK ELK RIVER; W of STEAMBOAT SPGS	Construction Complete	2009
G-21-B	4	ELBERT	I 70 FRONTAGE RD over DRAW (SR)	Construction Complete	2009
B-16-AE	4	LARIMER	US 287 ML over DRAW; N of JCT SH 1	Construction Complete	2009
B-16-D	4	LARIMER	SH 14 ML over CACHE LA POUDBRE RIVER; E of JCT US 287	Construction Complete	2009
G-22-J	4	LINCOLN	US 24 ML over DRAW; E of LIMON	Construction Complete	2009
C-17-BN	4	WELD	I 25 SERVICE RD over LITTLE THOMPSON RIVER; S of JCT SH 56	Construction Complete	2009



Appendix B
List of 89 Bond Program Bridges

D-17-AK	4	WELD	SH 66 ML over ST VRRAIN RIVER; W of PLATTEVILLE	Construction Complete	2009
B-17-L	4	WELD	SH 14 ML over COALBANK CREEK; W of AULT	Construction Complete	2010
B-17-C	4	WELD	US 85 ML (NUNN BRIDGE) over UPRR	Construction Complete	2011
D-28-B	4	YUMA	US 34 ML over N FK REPUBLICAN RIVER; W of LAIRD	Construction Complete	2011
L-05-B	5	OURAY	SH 62 ML over UNCOMPAHGRE RIVER; SHERMAN ST in RIDGWAY	Construction Complete	2009
L-04-B	5	SAN MIGUEL	SH 145 ML over LEOPARD CREEK; JCT SH 62 - PLACERVILLE	Construction Complete	2009



Appendix C
 List of Original 128 Program Bridges

Structure Number	CDOT Region	County	Facility Carried over Featured Intersection	Current Status	Added to BE Program (Year)
E-16-FP	1	ADAMS	80TH AVE over US 36 ML	Construction Complete	2009
E-16-GQ	1	ADAMS	SH 95 ML (SHERIDAN BLVD) over UP RR, RR SPUR; N of JCT I 76 in WHEATRIDGE	Construction Complete	2009
E-17-AR	1	ADAMS	SH 7 ML over SOUTH PLATTE RIVER	Construction Complete	2009
E-17-CA	1	ADAMS	SH 44 ML (104TH AVE) over SOUTH PLATTE RIVER; W of JCT US 85	Construction Complete	2009
E-17-DC	1	ADAMS	I 76 ML EBND over UP RR; E of JCT US 85	Construction Complete	2009
E-17-DM	1	ADAMS	I 76 ML WBND over UP RR	Construction Complete	2009
E-17-DN	1	ADAMS	I 76 ML EBND over UP RR	Construction Complete	2009
E-17-DU	1	ADAMS	I 76 ML WBND over UP RR; E of JCT US 85	Construction Complete	2009
E-17-EP	1	ADAMS	SH6 DITCH RIDER RD over BURLINGTON CANAL SR	Remaining	2009
E-17-ER	1	ADAMS	SH 44 ML (104TH AVE) over BULL SEEP; W of US 85	Construction Complete	2009
E-17-EX	1	ADAMS	PEORIA STREET over I 76 ML; NE of JCT US 85	Construction Complete	2009
E-17-EZ	1	ADAMS	84TH AVE over I 25 ML	Construction Complete	2009
E-17-GM	1	ADAMS	I 76 ML EBND over SOUTH PLATTE RIVER; NE of JCT I 270	Construction Complete	2009
E-17-HG	1	ADAMS	104TH AVE over I 25 ML	Construction Complete	2009
E-17-HL	1	ADAMS	I 76 ML EBND over SH 224 ML	Construction Complete	2009
F-16-F	1	ARAPAHOE	US 85(SANTA FE) ML NBND over DAD CLARK GULCH; in LITTLETON	Construction Complete	2009
F-16-FY	1	ARAPAHOE	US 285 ML SBND over SH 88 ML	Construction Complete	2009
F-16-FZ	1	ARAPAHOE	US 285 ML NBND over SH 88 ML	Construction Complete	2009
F-17-DM	1	ARAPAHOE	SH 88 ML/ARAP RD over CHERRY CREEK; W OF SH 83(PARKER RD)	Construction Complete	2009
F-17-F	1	ARAPAHOE	US 40 ML (E COLFAX) EBND over SAND CREEK; E of I-225	Construction Complete	2009
F-17-GO	1	ARAPAHOE	US 40 ML (E COLFAX) EBND over TOLLGATE CREEK; W of I-225	Construction Complete	2009
F-19-B	1	ARAPAHOE	US 36 ML over COMANCHE CREEK; E of STRASBURG	Construction Complete	2009
E-16-FK	1	BROOMFIELD	SH 121 ML SBND- WADSWORTH PKWY over US 36 ML (DENVER/BOULDER TNPK)	Construction Complete	2009
E-16-FL	1	BROOMFIELD	CNTY RD / OLD WADS over US 36 ML (DENVER/BOULDER TNPK); SE of JCT SH 121	Construction Complete	2009
F-14-B	1	CLEAR CREEK	I 70 FRONTAGE RD over CLEAR CREEK (SR); W IDAHO SPRINGS	Construction Complete	2009
F-14-Y	1	CLEAR CREEK	I 70(BUSINESS RT) over I 70 ML	Construction Complete	2009
F-15-BL	1	CLEAR CREEK	I 70 ML WBND over US 6, CLEAR CREEK	Remaining	2009
F-15-D	1	CLEAR CREEK	I 70 FRONTAGE RD over CLEAR CREEK (SR)	Remaining	2009



Appendix C
 List of Original 128 Program Bridges

E-16-FW	1	DENVER	PECOS STREET over I 70 ML; in DENVER	Construction Complete	2009
E-17-AH	1	DENVER	ON 40TH AVE W of SH 2 ML over BNSF RR	Remaining	2009
E-17-BY	1	DENVER	I 70 ML EBND over SAND CREEK; E of QUEBEC ST	Construction Complete	2009
E-17-EW	1	DENVER	I 70 ML EBND over UP RR; W of QUEBEC STREET	In Design	2009
E-17-FX	1	DENVER	I 70 ML over US 6, RR, CITY ST	In Design	2009
E-17-GE	1	DENVER	I 70 ML WBND over SAND CREEK; E of QUEBEC ST	Construction Complete	2009
F-16-BM	1	DENVER	SH 88 ML over RR, LAKEWOOD GULCH	Construction Complete	2009
F-16-DP	1	DENVER	I 25 ML over RDWY, RR, SOUTH PLATTE RVR; BRONCO BRIDGE	Construction Complete	2009
F-16-DT	1	DENVER	I 25 ML NBND over US 85 ML (SANTA FE)	Construction Complete	2009
F-16-DW	1	DENVER	I 25 ML SBND over US 85 ML (SANTA FE)	Construction Complete	2009
F-16-EF	1	DENVER	US 6 ML over SOUTH PLATTE RIVER; W SIDE of I-25	Construction Complete	2009
F-16-EJ	1	DENVER	US 6 ML over BNSF RR; E SIDE OF I-25	Construction Complete	2009
F-16-EN	1	DENVER	US 6 ML over BRYANT STREET; W SIDE OF I-25	Construction Complete	2009
F-16-FW	1	DENVER	US 287+SH 88 (FEDERAL) over US 40 ML (COLFAX)	Construction Complete	2009
F-16-GG	1	DENVER	PERRY STREET over US 6 ML; W of FEDERAL	Remaining	2009
F-17-AE	1	DENVER	SH 30 ML/HAVANA ST over CHERRY CREEK	Construction Complete	2009
G-16-B	1	DOUGLAS	US 85 ML over DRAW; COOK RANCH to LOUVIERS	Construction Complete	2009
G-16-C	1	DOUGLAS	US 85 ML over DRAW; COOK RANCH to LOUVIERS	Construction Complete	2009
G-17-A	1	DOUGLAS	US 85 ML over SAND CREEK	Design Complete	2009
E-16-FX	1	JEFFERSON	WASHINGTON STREET over SH 58 ML	Construction Complete	2009
E-16-HI	1	JEFFERSON	SH 58 ML over CO. RD, RR SPUR	Construction Complete	2009
F-16-AM	1	JEFFERSON	US 285 ML SBND over SH 121 ML	Construction Complete	2009
F-16-AY	1	JEFFERSON	US 285 ML NBND over SH 121 ML	Construction Complete	2009
F-16-CS	1	JEFFERSON	SH121 ML-WADSWORTH over BEAR CREEK; N OF 285	Construction Complete	2009
F-16-FL	1	JEFFERSON	US 6 ML over SH 95 ML/SHERIDAN AVE.	Construction Complete	2009
F-16-I	1	JEFFERSON	US 285 ML SBND over PIERCE STREET	Construction Complete	2009
O-25-I	2	BACA	US 160 ML over DRAW; W of PRITCHETT	Construction Complete	2009
O-26-L	2	BACA	US 160 ML over CAT CREEK; W of SPRINGFIELD	Construction Complete	2009



Appendix C
 List of Original 128 Program Bridges

L-24-F	2	BENT	SH 101 ML over PURGATOIRE RIVER; S of LAS ANIMAS	Construction Complete	2009
M-24-B	2	BENT	SH 101 ML over DRAW; S of LAS ANIMAS and JCT US 50	Construction Complete	2009
L-21-U	2	CROWLEY	SH 96 ML over NUMA DRAIN CANAL	Construction Complete	2009
L-22-F	2	CROWLEY	SH 96 ML over BLACK DRAW	Construction Complete	2009
H-17-M	2	EL PASO	I 25 ML over DRAW	Construction Complete	2009
H-18-A	2	EL PASO	US 24 ML over BLACK SQUIRREL CREEK; W of PEYTON	Construction Complete	2009
I-17-AE	2	EL PASO	US 24 ML EBND over FOUNTAIN CREEK	Construction Complete	2009
I-18-G	2	EL PASO	US 24 ML over DRAW; E of FALCON	Construction Complete	2009
J-18-S	2	EL PASO	I 25 ML NBND over DRAW; S of FOUNTAIN	Construction Complete	2009
J-18-T	2	EL PASO	I 25 ML NBND over DRAW; S of FOUNTAIN	Construction Complete	2009
J-15-B	2	FREMONT	SH 9 ML over CURRANT CREEK; NW of JCT US 50	Construction Complete	2009
K-16-K	2	FREMONT	SH 120 ML over RR, ARKANSAS RIVER; E of PORTLAND	Construction Complete	2009
K-16-Q	2	FREMONT	SH 120 ML over HARDCRABBLE CREEK	Construction Complete	2009
K-16-S	2	FREMONT	SH 120 ML over DRAW, UP RR; E of FLORENCE	Construction Complete	2009
N-16-L	2	HUERFANO	SH 69 ML over TURKEY CREEK	Construction Complete	2009
N-17-AD	2	HUERFANO	I 25 ML SBND over US 160 ML, RR SPUR	Remaining	2009
N-17-N	2	HUERFANO	I 25 ML NBND over MISSOURI CREEK	Construction Complete	2009
O-16-A	2	HUERFANO	SH 12 ML over CUCHARAS RIVER; S of LA VETA	Construction Complete	2009
K-23-B	2	KIOWA	SH 96 ML over DRAW	Construction Complete	2009
K-23-C	2	KIOWA	SH 96 ML over DRAW	Construction Complete	2009
K-24-A	2	KIOWA	SH 96 ML over DRAW	Construction Complete	2009
O-19-H	2	LAS ANIMAS	US 350 ML over PURGATOIRE RIVER; NE of JCT US 160	Construction Complete	2009
P-17-H	2	LAS ANIMAS	SH 12 ML over PURGATOIRE RIVER; NW of WESTON	Construction Complete	2009
P-18-B	2	LAS ANIMAS	I 25 ML NBND over PURGATOIRE RIVER	Construction Complete	2009
P-18-S	2	LAS ANIMAS	I 25 ML SBND over PURGATOIRE RIVER	Construction Complete	2009
L-22-E	2	OTERO	SH 266 ML over FT LYON STORAGE CANAL; NE of ROCKY FORD	Construction Complete	2009
L-22-O	2	OTERO	SH 266 ML over HOLBROOK CANAL; NE of ROCKY FORD	Construction Complete	2009
M-21-D	2	OTERO	US 350 ML over DRAW; SW of LA JUNTA & TIMPAS	Construction Complete	2009



Appendix C
 List of Original 128 Program Bridges

G-12-L	2	PARK	SH 9 ML over BUCKSKIN GULCH; in ALMA	Construction Complete	2009
L-27-S	2	PROWERS	US 50 ML over DRAW; E of LAMAR	Construction Complete	2009
L-28-C	2	PROWERS	US 50 ML over BNSF RR; E of GRANADA	Construction Complete	2009
L-28-F	2	PROWERS	SH 89 ML over ARKANSAS RIVER; S of HOLLY	Construction Complete	2009
K-18-AX	2	PUEBLO	I 25 ML NBND over US 50 BUS. RTE.	In Construction	2009
K-18-CK	2	PUEBLO	I 25 ML NBND over NP RR, ILEX ST, BENNET ST; N of JCT SH 50 E	In Construction	2009
K-18-CL	2	PUEBLO	I 25 ML SBND over NP RR, ILEX ST, BENNET ST; S of JCT SH 96	In Construction	2009
K-18-R	2	PUEBLO	US 50 BUS EBND over ARKANSAS RIVER	In Construction	2009
K-18-Z	2	PUEBLO	SH 96 ML over RDWY, RR, ARKANSAS RIVER	Construction Complete	2009
L-18-AQ	2	PUEBLO	NORTHERN AVE over I 25 ML	In Construction	2009
L-18-M	2	PUEBLO	I 25 ML NBND over INDIANA AVE	In Construction	2009
L-18-W	2	PUEBLO	I 25 ML SBND over INDIANA AVE	In Construction	2009
L-19-C	2	PUEBLO	US 50 BUS RT WBND over ST CHARLES RIVER	Construction Complete	2009
M-17-R	2	PUEBLO	I 25 ML over DRAW	Construction Complete	2009
M-20-A	2	PUEBLO	SH 10 ML over SAUNDERS ARROYO	Construction Complete	2009
H-16-K	2	TELLER	SH 67 ML over DRAW	Construction Complete	2009
I-15-Y	2	TELLER	US 24 ML over TWIN CREEK	Construction Complete	2009
F-08-F	3	EAGLE	I 70 SERVICE RD over COLORADO RIVER (SR); N. of DOTSERO INT.	Construction Complete	2009
F-09-H	3	EAGLE	US 6 ML over EAGLE RIVER; E of EAGLE	Construction Complete	2009
F-11-AB	3	EAGLE	I 70 ML WBND over US 6, RR, EAGLE RIVER; E of JCT US 24	Construction Complete	2009
F-11-AC	3	EAGLE	I 70 ML EBND over US 6, RR, EAGLE RIVER; E of JCT SH 131	Construction Complete	2009
F-07-A	3	GARFIELD	SH 82 ML over I70 ML, COLORADO RVR, RR; GLENWOOD SPRINGS	In Construction	2009
J-09-C	3	GUNNISON	US 50 SERVICE RD over GUNNISON RVR OVERFLOW (SR); W. SIDE of GUNNISON	Construction Complete	2009
J-09-D	3	GUNNISON	US 50 SERVICE RD over GUNNISON RVR (SR); W. SIDE of GUNNISON	Construction Complete	2009
J-09-G	3	GUNNISON	SH 114 ML over TOMICHI CREEK	Construction Complete	2009
G-11-F	3	LAKE	US 24 ML over UP RR	Construction Complete	2009
C-09-C	3	ROUTT	US 40 ML over E FORK ELK RIVER; W of STEAMBOAT SPGS	Construction Complete	2009
E-15-AA	4	BOULDER	SH 170 ML over COMMUNITY DITCH AR	Remaining	2009



Appendix C
 List of Original 128 Program Bridges

G-21-B	4	ELBERT	I 70 FRONTAGE RD over DRAW (SR)	Construction Complete	2009
G-21-Y	4	ELBERT	I 70 BUSINESS SPUR over I 70 ML	Remaining	2009
B-16-AE	4	LARIMER	US 287 ML over DRAW; N of JCT SH 1	Construction Complete	2009
B-16-D	4	LARIMER	SH 14 ML over CACHE LA POUUDRE RIVER; E of JCT US 287	Construction Complete	2009
C-15-I	4	LARIMER	US 34 ML over BIG THOMPSON RIVER	Construction Complete	2009
C-15-J	4	LARIMER	US 34 ML over BIG THOMPSON RIVER	Construction Complete	2009
C-17-EL	4	LARIMER	I 25 ML over DRAW	Remaining	2009
G-22-J	4	LINCOLN	US 24 ML over DRAW; E of LIMON	Construction Complete	2009
A-24-C	4	LOGAN	US 138 ML over DITCH	Construction Complete	2009
C-17-BN	4	WELD	I 25 SERVICE RD over LITTLE THOMPSON RIVER; S of JCT SH 56	Construction Complete	2009
D-17-AK	4	WELD	SH 66 ML over ST VRRAIN RIVER; W of PLATTEVILLE	Construction Complete	2009
O-05-AQ	5	LA PLATA	US 160 ML over ANIMAS RIVER	Construction Complete	2009
L-05-B	5	OURAY	SH 62 ML over UNCOMPAHGRE RIVER; SHERMAN ST in RIDGWAY	Construction Complete	2009
L-06-A	5	OURAY	US 550 ML over BEAR CREEK	Construction Complete	2009
M-06-K	5	SAN JUAN	US 550 ML over MINERAL CREEK	Construction Complete	2009
L-04-B	5	SAN MIGUEL	SH 145 ML over LEOPARD CREEK; JCT SH 62 - PLACERVILLE	Construction Complete	2009



Appendix D
 List of Original Worst 30 Bridges

Structure Number	CDOT Region	County	Facility Carried over Featured Intersection	Current Status	Added to BE Program (Year)
E-17-DM	1	ADAMS	I 76 ML WBND over UP RR	Construction Complete	2009
E-17-DN	1	ADAMS	I 76 ML EBND over UP RR	Construction Complete	2009
E-17-GM	1	ADAMS	I 76 ML EBND over SOUTH PLATTE RIVER; NE of JCT I 270	Construction Complete	2009
E-17-HG	1	ADAMS	104TH AVE over I 25 ML	Construction Complete	2009
E-16-FL	1	BROOMFIELD	CNTY RD / OLD WADS over US 36 ML (DENVER/BOULDER TNPK); SE of JCT SH 121	Construction Complete	2009
E-17-FX	1	DENVER	I 70 ML over US 6, RR, CITY ST	In Design	2009
F-16-BM	1	DENVER	SH 88 ML over RR, LAKEWOOD GULCH	Construction Complete	2009
F-16-DP	1	DENVER	I 25 ML over RDWY,RR, SOUTH PLATTE RVR; BRONCO BRIDGE	Construction Complete	2009
F-16-DT	1	DENVER	I 25 ML NBND over US 85 ML (SANTA FE)	Construction Complete	2009
F-16-DW	1	DENVER	I 25 ML SBND over US 85 ML (SANTA FE)	Construction Complete	2009
G-16-C	1	DOUGLAS	US 85 ML over DRAW; COOK RANCH to LOUVIERS	Construction Complete	2009
E-16-FX	1	JEFFERSON	WASHINGTON STREET over SH 58 ML	Construction Complete	2009
E-16-HI	1	JEFFERSON	SH 58 ML over CO.RD,RR SPUR	Construction Complete	2009
L-21-U	2	CROWLEY	SH 96 ML over NUMA DRAIN CANAL	Construction Complete	2009
I-18-G	2	EL PASO	US 24 ML over DRAW; E of FALCON	Construction Complete	2009
J-15-B	2	FREMONT	SH 9 ML over CURRANT CREEK; NW of JCT US 50	Construction Complete	2009
K-16-Q	2	FREMONT	SH 120 ML over HARDSCRABBLE CREEK	Construction Complete	2009
K-16-K	2	FREMONT	SH 120 ML over RR, ARKANSAS RIVER; E of PORTLAND	Construction Complete	2009
N-16-L	2	HUERFANO	SH 69 ML over TURKEY CREEK	Construction Complete	2009
N-17-N	2	HUERFANO	I 25 ML NBND over MISSOURI CREEK	Construction Complete	2009
P-18-B	2	LAS ANIMAS	I 25 ML NBND over PURGATOIRE RIVER	Construction Complete	2009
P-18-S	2	LAS ANIMAS	I 25 ML SBND over PURGATOIRE RIVER	Construction Complete	2009
L-28-F	2	PROWERS	SH 89 ML over ARKANSAS RIVER; S of HOLLY	Construction Complete	2009
K-18-Z	2	PUEBLO	SH 96 ML over RDWY, RR, ARKANSAS RIVER	Construction Complete	2009
L-18-M	2	PUEBLO	I 25 ML NBND over INDIANA AVE	In Construction	2009
M-20-A	2	PUEBLO	SH 10 ML over SAUNDERS ARROYO	Construction Complete	2009
J-09-G	3	GUNNISON	SH 114 ML over TOMICHI CREEK	Construction Complete	2009



Appendix D
List of Original Worst 30 Bridges

G-11-F	3	LAKE	US 24 ML over UP RR	Construction Complete	2009
C-15-J	4	LARIMER	US 34 ML over BIG THOMPSON RIVER	Construction Complete	2009
M-06-K	5	SAN JUAN	US 550 ML over MINERAL CREEK	Construction Complete	2009