

Recent Construction Highlights

Flatiron Constructors Intermountain completed superstructure construction of the eastbound structure with casting the final closure segment, Span 3 EB. The following is a summary of the construction progress for the last month.



Figure 1 – Span 5 EB CIP Superstructure Construction – September 3 2010:
The winches are installed on the deck to lower the first portion of the falsework at Span 5 EB.

Figure 2 – Span 5 EB CIP Superstructure Construction – September 3, 2010:
With all of the posts removed for the first portion falsework removal, the crew clears the area prior to lowering the falsework stringers with the winches. Three spans are lowered and the adjacent (fourth) span is temporarily supported with PT bars through the deck.





Figure 3 – Abutment 6 EB Construction – September 13, 2010:
The ironworkers install the reinforcing for the backwall and wingwall at Abutment 6 EB.

Figure 4 – Span 4 EB Closure Segment Construction – September 15, 2010:
The crew monitors the web forms from the interior of the bridge for Span 4 EB closure segment concrete placement.

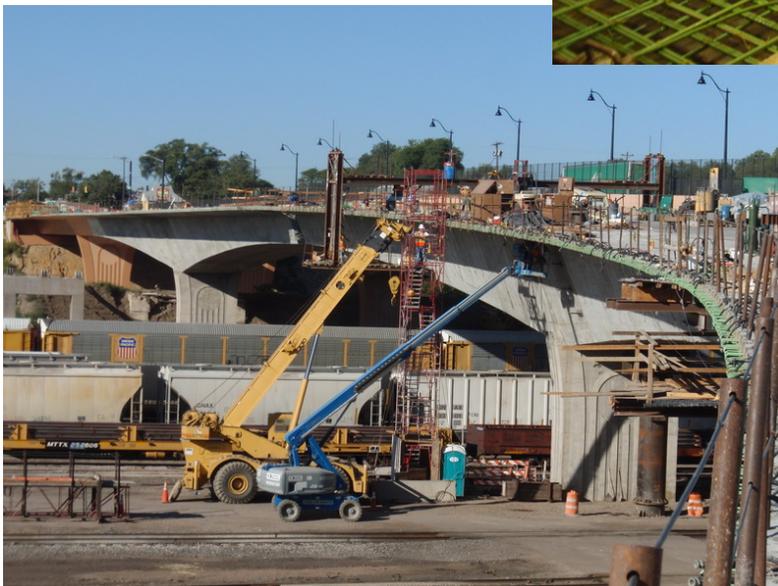


Figure 5 – Span 4 EB Closure Segment Construction – September 17, 2010:
Following casting of the closure segment and stressing one pair of draped tendons, a crew disengages the stability prop and de-tensions the horizontal PT bars in the prop diaphragm. Staining operations have begun in Span 1 EB in the background.



Figure 6 – Span 3 EB Closure Segment Construction – September 23, 2010:
The closure forms are hoisted into position using PT bars at Span 3 EB closure segment.



Figure 7 – Abutment 6 EB Construction – September 24, 2010:
After stripping the backwall forms, the structural backfilling begins at Abutment 6 EB.

Figure 8 – Span 3 EB Closure Segment Construction – September 30, 2010:
Workers place concrete for the top slab of Span 3 EB closure segment.

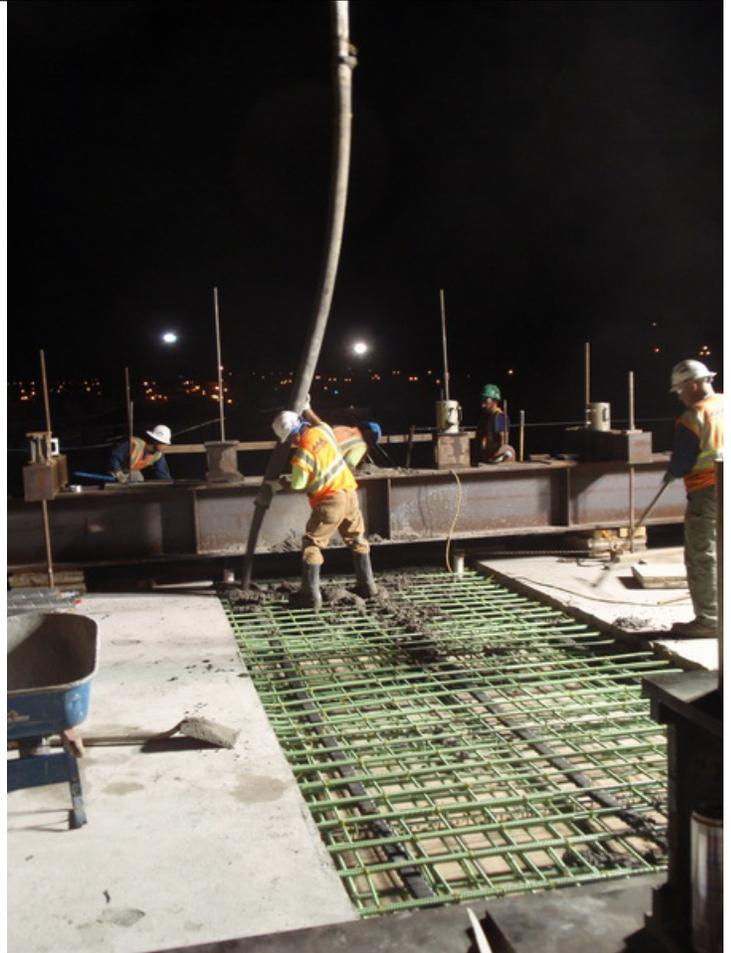


Figure 9 – Abutment 6 EB Approach Slab Construction – September 30, 2010:
The ironworkers finish off the installation of the approach slab reinforcing at Abutment 6 EB.



Project Summary:

October 4, 2010
 Day 1023 of 1278

Substructure Construction	<u>To</u> <u>Date</u>		<u>Total</u>	<u>Unit</u>	<u>% Complete</u>
48" Diameter Drilled Shafts (Monuments)	4	of	4	Each	100%
48" Diameter Drilled Shafts (Abutments)	14	of	14	Each	100%
60" Diameter Drilled Shafts (Pier 2 & 5)	8	of	8	Each	100%
96" Diameter Drilled Shafts (Pier 3 & 4)	8	of	8	Each	100%
Type I Footings (Pier 2 & 5)	4	of	4	Each	100%
Type II Footings (Pier 3 & 4)	4	of	4	Each	100%
3'-6" Piers (Pier 2 & 5)	4	of	4	Each	100%
7'-1" Piers (Pier 3 & 4)	4	of	4	Each	100%
Abutments	2	of	2	Each	100%

Superstructure Construction	<u>To</u> <u>Date</u>		<u>Total</u>	<u>Unit</u>	<u>% Complete</u>
Westbound					
End Span CIP Westbound	2	of	2	Each	100%
Abutment Diaphragm Westbound	2	of	2	Each	100%
Pier Diaphragm Westbound	2	of	2	Each	100%
Pier Table Westbound	2	of	2	Each	100%
Cantilever 3 Segments Westbound	22	of	22	Each	100%
Cantilever 4 Segments Westbound	20	of	20	Each	100%
Closure Segments Westbound	3	of	3	Each	100%
Eastbound					
End Span CIP Eastbound	2	of	2	Each	100%
Abutment Diaphragm Eastbound	2	of	2	Each	100%
Pier Diaphragm Eastbound	2	of	2	Each	100%
Pier Table Eastbound	2	of	2	Each	100%
Cantilever 3 Segments Eastbound	22	of	22	Each	100%
Cantilever 4 Segments Eastbound	20	of	20	Each	100%
Closure Segments Eastbound	3	of	3	Each	100%



Project Summary:

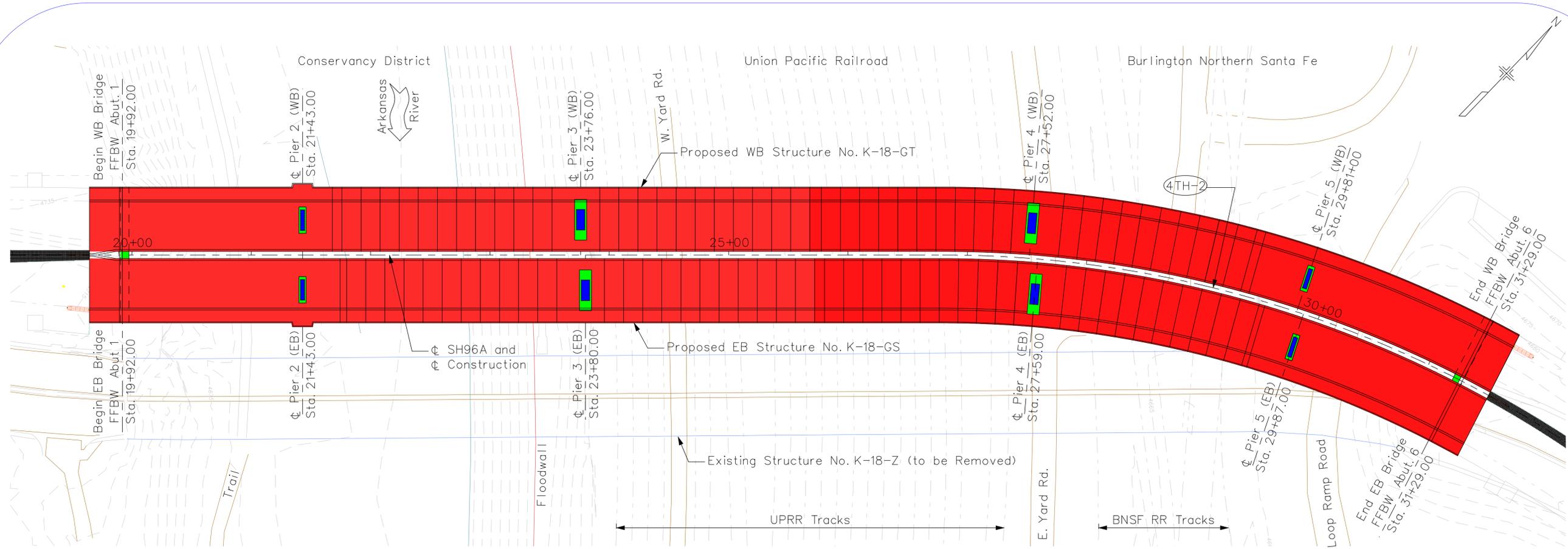
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Project Milestone Dates

Milestone Event	April 2008 Baseline Finish Date	Actual
Project Award	October 18, 2007	October 18, 2007
Notice to Proceed	November 8, 2007	November 8, 2007
Form and Pour First Segment – W3-1E	November 19, 2008	February 16, 2009
Form and Pour First Closure – Span 2 WB	May 19, 2009	August 14, 2009
W4-10E Post Tension	October 20, 2009	November 19, 2009
Span 4 WB Closure Form/Rebar/Pour	November 2, 2009	December 16, 2009
Span 3 WB Closure Form/Rebar/Pour	November 13, 2009	January 7, 2010
E3-1E Pour	February 01, 2010	December 29, 2009
Shift Traffic to New WB Structure	February 17, 2010	April 15, 2010
Bridge Demolition - Remove Bridge Deck	*April 20, 2010	May 23, 2010
Install Last Drilled Caissons – Pier 5 EB	*May 14, 2010	May 17, 2010
Form and Pour Span 5 EB Bottom Slab/Webs/Diaphragms	*August 9, 2010	July 27, 2010
Form and Pour Last Segment – E4-10E	*July 27, 2010	July 30, 2010
Form and Pour Last Closure – Span 3 EB	*October 26, 2010	September 30, 2010
Complete Structure and Final Traffic Configuration	*December 28, 2010	

All items are based on the April 2008 Baseline Schedule, unless accompanied by an asterisk. See below for description. All dates represent the “Finish” of the activity, unless otherwise noted. Refer to the October 2009 Project Updates for previous milestone dates.

The baseline schedule has changed with the traffic phasing modification for placing two lanes of traffic with pedestrians on the westbound bridge and the above dates with an asterisk (*) are based on the April 2010 Schedule. These dates reflect an accelerated schedule from the April 2008 Baseline Schedule.



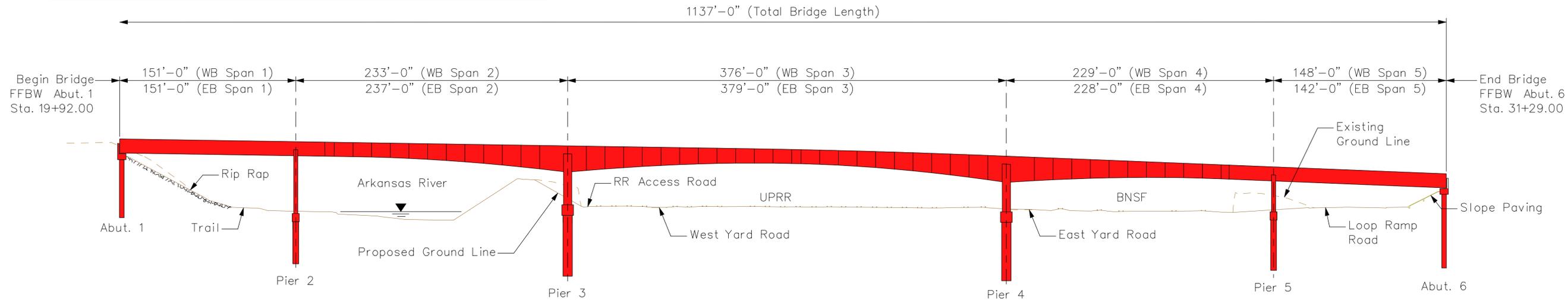
PLAN

LEGEND - PLAN

- - Pier Completed
- - Footing Completed
- - Superstructure Completed
- Superstructure Completed (Webs, Bottom Slab, & Diaphragms)

LEGEND - ELEVATION

- Completed Elements (WB Only)
- Completed Elements (WB And EB)



ELEVATION

4th Street Bridge Project - Project Completion Status - October 4, 2010

