A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: April 16, 2013
Date of Addendum: April 9, 2013

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
004	15-0922-036	BRIDGE AND APPROACHES - PPCB	CASS	BRF-092-2(36)--38-15	16APR004.A01

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Make the following change to the PROPOSAL SCHEDULE OF PRICES:

Add Proposal Line No. 0181 2599-9999005 BEARING PAD; 24.000 EACH

If the above change is not made, it will be made as shown here.

Make the following change to plan sheet number 2:

For Item Code 2407-0563120BEAMS, PRETENSIONED PRESTRESSED CONCRETE, BTC120, delete the following from the Estimate Reference Information:

INCLUDES 24 BEARING PADS. SEE DESIGN SHEET 14 FOR ADDITIONAL DETAILS. IF ADDITIONAL BEARING PADS ARE NEEDED FOR THE CONTRACTORS MEANS AND METHODS OF PREFABRICATED BRIDGE SUPERSTRUCTURE MOVE THEY SHALL BE INCIDENTAL AND NO ADDITIONAL PAYMENT WILL BE MADE.

For Item Code 2599-9999005 BEARING PAD, add the following Estimate Reference Information:

APPLY SECTION 4195 OF THE STANDARD SPECIFICATIONS. SEE DESIGN SHEET 14 FOR ADDITIONAL DETAILS. IF ADDITIONAL BEARING PADS ARE NEEDED FOR THE CONTRACTORS MEANS AND METHODS OF PREFABRICATED BRIDGE SUPERSTRUCTURE MOVE THEY SHALL BE INCIDENTAL AND NO ADDITIONAL PAYMENT WILL BE MADE. THE METHOD OF MEASUREMENT AND BASIS OF PAYMENT WILL BE FOR EACH BEARING PAD FURNISHED AND PLACED.

Make the following change to plan sheet number 9:

Replace the following note:

THE PRECAST ABUTMENT FOOTING SUPPORT SHALL NOT BE REMOVED UNTIL 4000 PSI COMPRESSIVE STRENGTH HAS BEEN ACHEIVED.

With:

THE PRECAST ABUTMENT FOOTING SUPPORT SHALL NOT BE REMOVED AND THE PREFABRICATED BRIDGE SUPERSTRUCTURE MOVED UNTIL THE CONCRETE IN THE PILE POCKET VOIDS HAS ATTAINED 4000 PSI COMPRESSIVE STRENGTH.

Attached are the following files from the Pre-Bid meeting held April 3, 2013:

-Meeting Minutes with a list of attendees
-PowerPoint Presentation

The following is a link to the visualization file that was shown at the Pre-Bid meeting held April 3, 2013:

http://www.youtube.com/iowadot

Prebid Meeting Cass 113

April 3, 2013

Attendees: Jim Nelson, Gary Novey, George Feazell, Ahmad Abu-Hawash, Kurt Estrem, Scott Hanson, Kyle Frame, Kimball Olson, contractors

Scott Hanson and George Feazell:

- Currently – 9 bid holders
- No DBE goal
- October 21st, late start
- Iowa DOT in charge of placing detour
- 2 utility lines on north side will be relocated before start date

Jim Nelson:

- Temporary works and prefab bridge move will need PE plan signed and submitted
- SP written for open ended method for moving bridge
- Age of bridge move based on curing (not 28 days)
- Test move required
- Stainless steel sole plate item is subject to deletion if method of superstructure move is changed
- Important to remember sequence of operations on sheet 3 can changed sequentially
- No VE allowed because of nature of demonstration
- Sheet 9 – may need addendum on note for temporary supporting abutment footing for curing pile void concrete to 4000 PSI
- Pile void curing likely on critical path
- Orientation of piles is rotated 90 degrees from traditional abutments
- 2 sliding pads per beam bearing; 6x2x2=24 brgs

Contractor Questions:

- Anything off roadway – No working day charge if no lane closure
- Consider taking bearings out of beam price since method of move is not definite; this would be an addendum

Cass Lateral Slide Bridge
BRF-092-2(36)--38-15

NAME	COMPANY	ADDRESS CITY, STATE, ZIP CODE	e-mail address
Curt Brown	Herberger Const.	P.O. Box 326 Indianola, Ia 50125	cbrown@ herbergerconstruction.com
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Dennis Drews	Coreslab Structures		ddrews@coreslab.com
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Cass Lateral Slide Bridge
BRF-092-2(36)--38-15

NAME	COMPANY	ADDRESS CITY, STATE, ZIP CODE	e-mail address
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PAUL FLATTERY	IDOT	800 LINCOLN WAY	
HUY LUONG	IDOT	800 LINCOLN WAY	
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RYAN CHEESEMAN	JENSEN CONSTRUCTION	5550 NE 22ND DES MOINES, IA 50313	RCHEESEMAN@JENSENCONST.COM
Gary Novey	IDOT Bridge	800 Lincoln Way	
Jim Nelson	Iowa DOT	//	James.S.Nelson@dot.iowa.gov

CASS 113 PRE-BID MEETING 4/3/2013

Agenda

- Welcome, Introductions and Instructions – Scott Hanson, Office of Contracts
- Contract Administration, Contract Period and Utilities - George Feazell, District 4 Construction Engineer
- Plans and Specifications Highlights – Jim Nelson, Office of Bridges and Structures
- Bridge Construction Visualization – Kimball Olson, Office of Bridges and Structures

PROJECT LOCATION

- IA 92 over Small Natural Stream, 1.0 mile west of Jct. IA 148

PROJECT LOCATION

EXISTING STRUCTURE

- 40’ x 30’ Steel I-beam
- Constructed 1930
- Reconstructed 1949
- Overlay 1968
- Retrofit rail 1992
- Overlay 1998

SPECIFICATIONS HIGHLIGHTS

- DS-12007 Construction Progress Schedule
- DS-12020 Structural Concrete (4500 PSI (31 MPA) or Greater)
- GS-12002 General Supplemental Specifications for Highway and Bridge Construction
- SP-120041 Prefabricated Bridge Superstructure Move

SPECIAL PROVISION FOR PREFABRICATED BRIDGE SUPERSTRUCTURE MOVE

- **Description**
  - Temporary works and prefabricated bridge superstructure move system shall be designed by a Professional Engineer licensed in the State of Iowa.

- **Construction**
  - Submittals section includes temporary works, prefabricated superstructure move and geometry control plan
  - Age at prefabricated bridge superstructure move
  - Test move prior to the actual move day
  - Deflection and twist control

PLAN HIGHLIGHTS

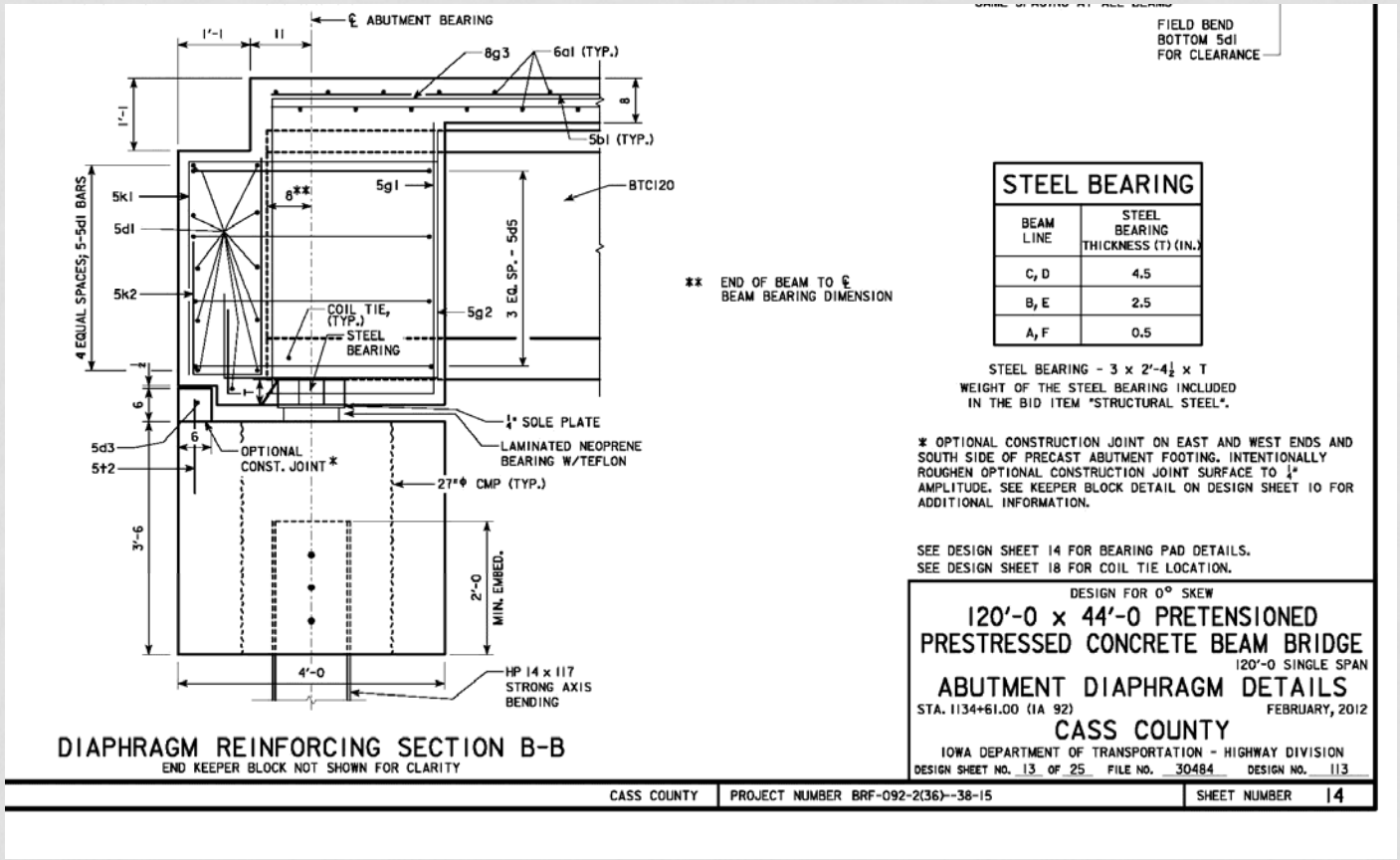
- Estimated Bridge Quantities – sheet number 2
  - Precast Abutment Footing
  - Precast Wingwalls
  - Prefabricated Bridge Superstructure Move
- General Notes – sheet number 3
  - Suggested Construction Sequence for Critical Closure
  - Value Engineering Proposals
- Substructure Precasting – sheet number 4
  - Lifting and Handling

PLAN HIGHLIGHTS

- Alternate Site Casting Notes – sheet number 5
- Bridge Staging Plan – sheet number 8
  - Within the R.O.W.
- Abutment Details – sheet number 9
  - Pile pocket concrete mix design – 4000 psi release strength
  - Piles orientated for strong axis bending – semi-integral abutment.

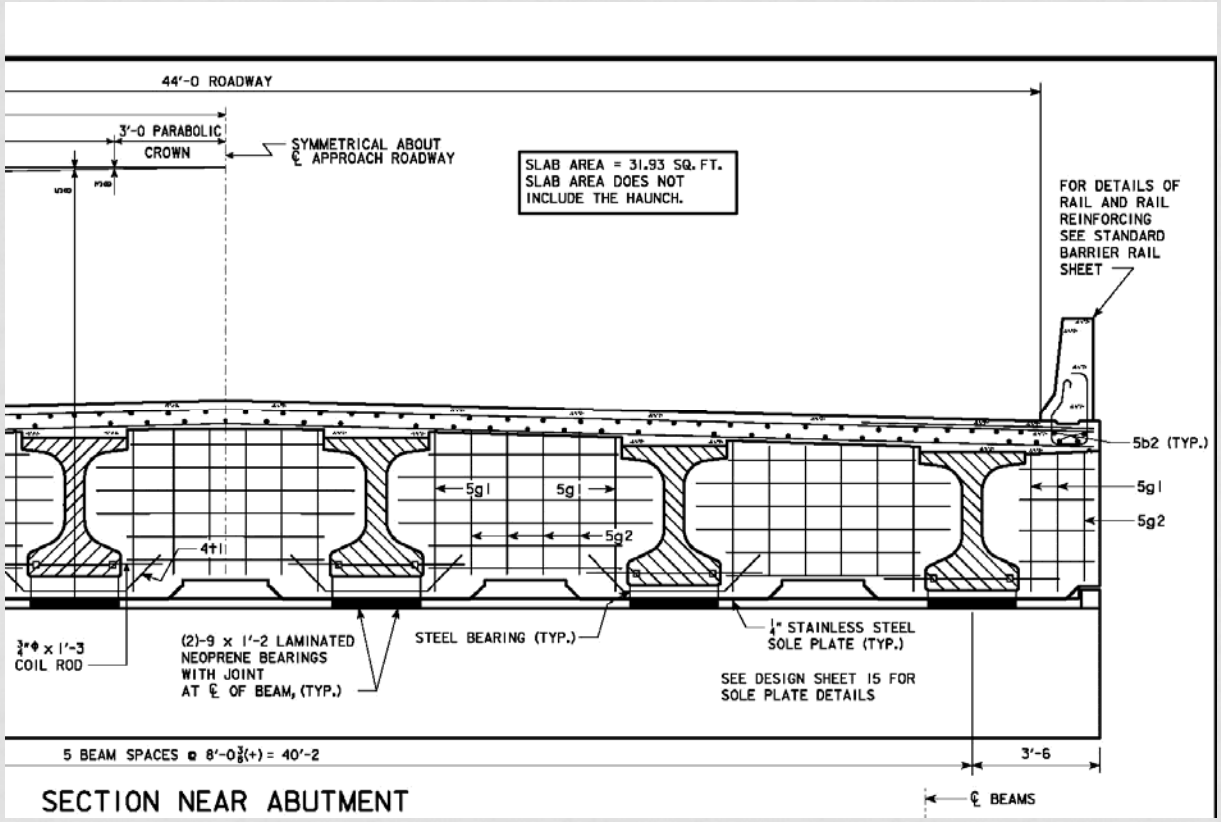
PLAN HIGHLIGHTS

- Abutment Diaphragm Details – sheet number 14



PLAN HIGHLIGHTS

- Superstructure Details – sheet number 15
  - Bonded PTFE surface on bearing pad detail



PLAN HIGHLIGHTS

- Slab haunch Data Details – sheet number 18
  - Variable haunch

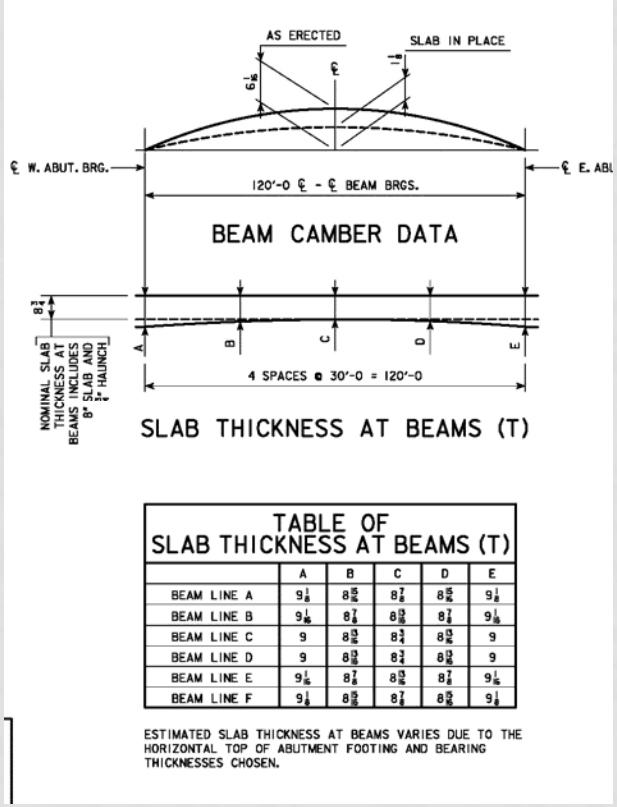


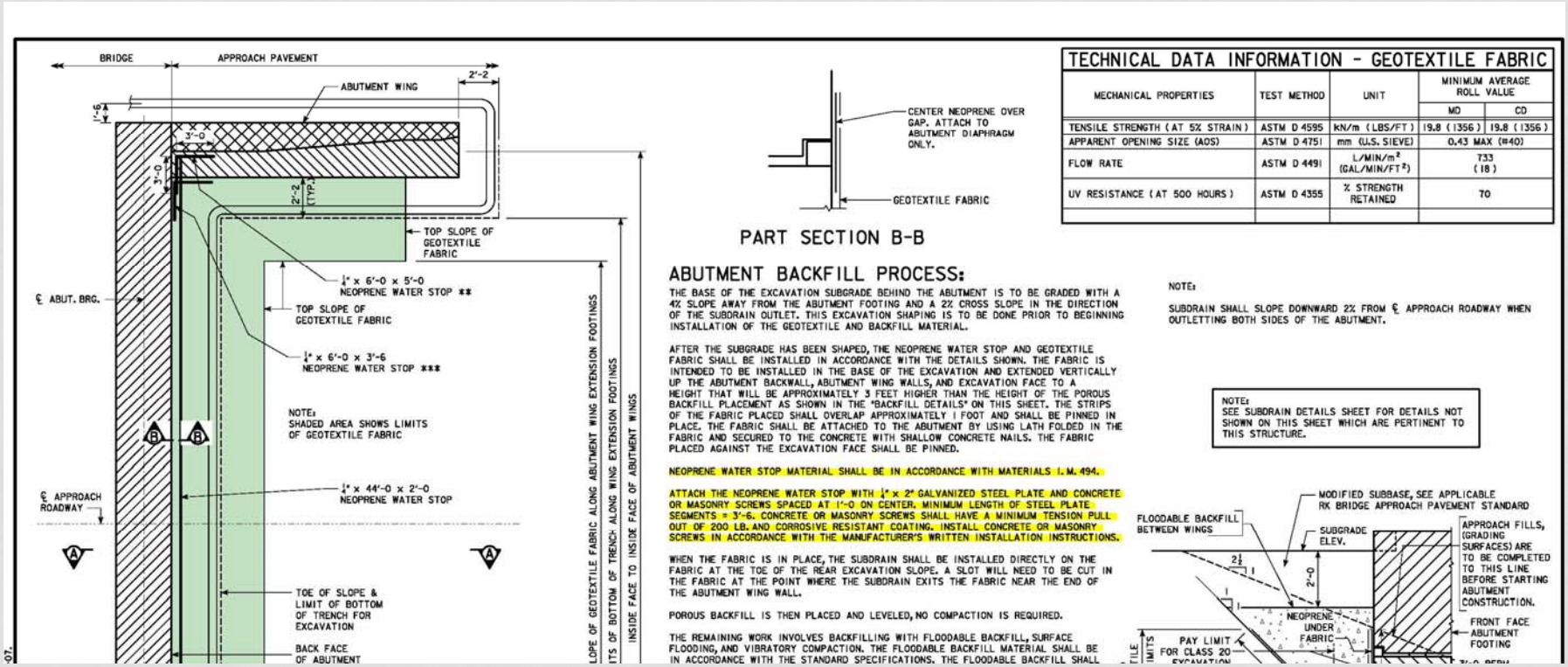
TABLE OF SLAB THICKNESS AT BEAMS (T)

	A	B	C	D	E
BEAM LINE A	$9\frac{1}{8}$	$8\frac{15}{16}$	$8\frac{7}{8}$	$8\frac{15}{16}$	$9\frac{1}{8}$
BEAM LINE B	$9\frac{1}{16}$	$8\frac{7}{8}$	$8\frac{13}{16}$	$8\frac{7}{8}$	$9\frac{1}{16}$
BEAM LINE C	9	$8\frac{13}{16}$	$8\frac{3}{4}$	$8\frac{13}{16}$	9
BEAM LINE D	9	$8\frac{13}{16}$	$8\frac{3}{4}$	$8\frac{13}{16}$	9
BEAM LINE E	$9\frac{1}{16}$	$8\frac{7}{8}$	$8\frac{13}{16}$	$8\frac{7}{8}$	$9\frac{1}{16}$
BEAM LINE F	$9\frac{1}{8}$	$8\frac{15}{16}$	$8\frac{7}{8}$	$8\frac{15}{16}$	$9\frac{1}{8}$

ESTIMATED SLAB THICKNESS AT BEAMS VARIES DUE TO THE HORIZONTAL TOP OF ABUTMENT FOOTING AND BEARING THICKNESSES CHOSEN.

PLAN HIGHLIGHTS

- Abutment Backfill Details – sheet number 26
  - Neoprene water stop



TECHNICAL DATA INFORMATION - GEOTEXTILE FABRIC				
MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
TENSILE STRENGTH (AT 5% STRAIN)	ASTM D 4595	kN/m (LBS/FT)	19.8 (1356)	19.8 (1356)
APPARENT OPENING SIZE (AOS)	ASTM D 4751	mm (U.S. SIEVE)	0.43 MAX (#40)	
FLOW RATE	ASTM D 4491	L/MIN/m² (GAL/MIN/FT²)	733 (18)	
UV RESISTANCE (AT 500 HOURS)	ASTM D 4355	% STRENGTH RETAINED	70	

GRANT APPLICATIONS

1. Highways for Life (HfL) Demonstration Project
2. SHRP2 R04 Implementation Assistance program

- Both grant applications have been submitted and accepted. To date we have not been notified of award.

- HfL has some requirements that impact the contractor, primarily that the grant requires a showcase. If we are successful in winning the grant we will have to address this with an addendum or a contract modification.
- SHRP2 – No known impacts to the contractor