

BRF-092-1(64)--38-78
IA-92 over Little Silver Creek
Pottawattamie County Design 115
CJC -12/12/14

MINUTES FOR 12/04/14 PRE-BID MEETING
DECEMBER 2014 LETTING, CONTRACT I.D. 78-0921-064

MEETING TIME: December 4, 2014, 10:30 AM

MEETING PLACE: Iowa DOT Central Complex, Materials West Conference Room, 800 Lincoln Way,
Ames, IA 50010

ATTENDEES: See attached sign in sheet

A. Opening Remarks by Scott Hanson

1. Overview of contract duration, incentive/disincentive and schedule milestones.
2. Review Bid Express plan holders as of meeting date.
3. Note Contract Addendum issued 12/04/14; clarification of stainless steel reinforcing and project coordination note.

B. Self-Introduction by Meeting Attendees

C. PowerPoint Presentation by Curtis Carter

D. Display of Digital 3D Project Model (Draft) by Kimball Olson

E. Open Discussion (Attendee remarks during and after DOT presentation. Noted questions, comments and responses are paraphrased.)

1. [QUESTION/COMMENT]: Were precast concrete piles considered for the project?
[RESPONSE]: Precast concrete piles were considered in the early stages of design. Precast concrete piles were not pursued because of the relatively long driving length that would be required to achieve design bearing, and the difficulty of splicing the precast pile sections.
2. [QUESTION/COMMENT]: The contract documents do not detail specific lifting device designs for the deck modules and precast components.
[RESPONSE]: The Contractor shall be responsible for determining means and methods of lifting precast components. Lifting device design and supporting calculations shall be required as a part of the Contractor's Assembly Plan submittal.

3. [QUESTION/COMMENT]: Will ready-mix concrete trucks be allowed to drive on the decked modules before/during placement of the module closure joints?

[RESPONSE]: The Contractor shall be responsible for determining means and methods of construction for the closure pours. The Contractor's Assembly Plan submittal must include verification that their proposed procedures/equipment do not overstress the structure during construction.
4. [QUESTION/COMMENT]: Will the barrier rail be permitted to be precast with the deck modules?

[RESPONSE]: The intent of the design plans is for the barrier rail to be cast-in-place after the modular deck is fully assembled and connected. The design plans note that the Contractor may propose alternate construction procedures for barrier rail construction, accompanied by all necessary design calculations, subject to DOT review and approval.
5. [QUESTION/COMMENT]: Does HPC evaluated using the maturity method require the full duration of cure specified in DS-12050?

[RESPONSE]: The current contract documents include the HPC curing requirements set forth in DS-12050. The DOT will review the curing requirements as applicable to this specific project and will consider if a plan addendum is appropriate. The Contractor shall bid the project based on the contract documents (including any addendums) effective at the time of the letting.
6. [QUESTION/COMMENT]: Ultra High Performance Concrete presents complexities during mixing, forming and placement.

[RESPONSE]: The Contractor will need to work with the UHPC supplier to ensure they understand how the UHPC needs to be mixed/formed/placed, and are aware of precautions that need to be taken for successful placement. The required UHPC joint mockup for this project will provide the contractor with the opportunity to experience and refine their UHPC concrete placement process prior to the critical closure activities for the project.
7. [QUESTION/COMMENT]: Due to the flowability of the UHPC material, this project will likely require top forms to contain the UHPC within the joint area. Are concrete screw anchors permitted to secure the top forms to the precast deck?

[RESPONSE]: Per plan note, concrete screw anchors will not be permitted to secure top forms to the precast deck. The DOT desires to minimize the diameter, depth and quantity of holes drilled into the deck surface in effort to preserve design life of the deck. The Contractor may consider options including, but not limited to, shallow concrete nails (refer to design plans), commercial adhesive and/or dead weight as means to secure top forms. A description of the Contractor's forming methods shall be required as a part of the UHPC Placement Plan submittal.

December 4, 2014 Pre-Bid Sign In
BRF-092-1(64)--38-78, ABC Design

NAME	COMPANY	ADDRESS CITY, STATE, ZIP CODE	e-mail address
NEAL FOBIAN	IDOT - CONTRACTS	AMES, IA	neal.fobian@dot.iowa.gov neal.fobian@dot.iowa.gov
WAYNE SUNDAY	IDOT - ^{CONSTR. &} MATS	AMES, IA	wayne.sunday@dot.iowa.gov
Dean Bierwagen	IDOT - Bridge	Ames, IA	dean.bierwagen@" " "
Dan Redmond	IDOT - District 4	Atlantic, IA	daniel.redmond@dot.iowa.gov
PAUL SODAHL	IDOT - BRIDGE	AMES, IA	PAUL.SODAHL@DOT.IOWA.GOV
Michael Nop	IDOT - Bridge	Ames, IA	Michael.Nop@dot.iowa.gov
KIMBALL OLSEN	IOWA DOT / BRIDGE	AMES, IA	kimball.olson@dot.iowa.gov
ED KASPER	DOT CONTRACTS	" "	
MARK FREIER	GODDENSEN - SMITH CONST	IDA GROVE, IA	mfreier@gs-const.com
STEVE SANDQUIST	UNITED CONTRACTORS	JOHNSTON, IA	STEVESANDQUIST@UNITEDCONTRACTORS.NET

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NAME	COMPANY	ADDRESS CITY, STATE, ZIP CODE	e-mail address
Dennis Dineus	Corelab	Amelia, NC	ddineus@corelab.ca
Kim TRIGGS	Gottbersen Smith IDA GROVE, IA		KTRIGGS@GS-CONST.COM
Elias Else	Gottbersen-Smith	Ida Grove, IA	ejelse@gs-const.com
RYAN CHEESEMAN	JENSEN CONSTRUCTION COMPANY	DES MOINES	RCHEESEMAN@ JENSENCONST.COM
DAN TIMMONS	JENSEN CONST. IA	DSM, IA	dtimmons @jensenconst.com
Robert Cramer	Cramer & Assoc Inc	3100 Brookside Dr Grimes, IA 50111	rcramer@ cramerand associatesinc.com
Jason Holst	DOT-DESIGN	AMES, IA	jason.holst@dot.iowa.gov
CURTIS CARTER	DOT-BRIDGE	AMES, IA	curtis.carter@dot.iowa.gov