COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION

MANDATORY PRE BID SHOWING MEETING MINUTES

February 21, 2019, 10:00 a.m.

ROUTE NUMBER: 613 FHWA NUMBER: TAP-5A01(991)

PROJECT NUMBER: EN18-030-R32, C501, B660

DISTRICT: Culpeper

Presenters: Teresa Gothard, P.E., District Structure and Bridge Engineer Brad Chapman, P.E., Assistant District Structure and Bridge Engineer Brian Graham, P.E., Engineer of Record, Volkert and Associates

Meeting Notes:

- 1. Welcome, Introductions and Scope by T. Gothard
 - a. The intent of this project is to restore the historic Waterloo Bridge which was constructed in 1879.
 - b. Contractors were given an opportunity to look over plans and encouraged to ask questions throughout the meeting.
 - c. The contractors were informed that all formal questions after the meeting were to be submitted thru the VDOT Construction Advertisement Bulletin Board (CABB).
 - d. Bidders' instructions: Filling out of official sign-in sheet

Bridge Plans:

- 2. General Overview of Project and Plan Highlights presented by B. Chapman
 - a. Site conditions (reviewed presentation photos) were discussed. Specifically existing trees that are to be removed as shown on Sheet 1. The contractors were asked to take a look at the "existing trees adjacent to Pier 8" notes found under the General Notes on Sheet 2. B. Chapman stated that the intent is to ground down the stumps and fill in the voids and not disturb the foundation.
 - b. Deteriorated concrete (i.e., in approach span piers, etc.):
 - i. The contractor shall notify the Engineer a minimum of 3 days prior to any concrete repairs so that the areas may be sounded.
 - c. Sheet 2 "General Notes" overview:
 - i. "Truss stringers, floorbeams, bottom lateral bracing... shall be galvanized."
 - ii. "All truss members, including galvanized members... shall be painted" The intent is to keep the "original look" with an upgraded rail system.

- 1. <u>Question</u> M. Douthat- "Can the new members be painted in the shop?" <u>Answer</u>- B. Chapman/B. Graham "Yes, and touchups may be made in the field."
- iii. "Contractor shall notify the Department 30 days prior to any in-stream work."
- d. Sheet 3 "Truss Restoration Notes" Overview:
 - i. "The Contractor shall exercise extreme care..."
 - ii. "The Contractor shall submit a detailed truss removal, dismantling, and erection plan..." –B. Chapman reiterating T. Gothard's opening statements that the removing/dismantling plans must be approved prior to performing any work on the truss.
 - iii. "Prior to removing the existing deck, elevations shall be taken..." B. Chapman: The intent is to maintain the existing camber and see what the differential is with the dead load, with the deck on, and then again once it has been removed.
 - "Prior to dismantling..." B. Graham: Even if the members are not going to be reused it should still be marked. B. Chapman: As far as removal goes flaming cutting will not be allowed.
 - <u>Question</u> M. Douthat- "If Allegheny puts in their pre-qualifications on how they have used flame cutting (rivets and truss pins), in lieu of rivet busting, would it be considered?" <u>Answer</u> - B. Chapman – "At this time they will not alter what is currently presented in the plans. The intent is to prohibit flame cutting at this point, but will take it into consideration at a later date. An RFI could be submitted for approval or could be included in the dismantling plan. Future project questions and answers will be submitted through CABB."
 - <u>Question</u> M. Douthat- "Are they permitted to weld to the truss for the removal process?" <u>Answer</u> – B. Chapman – "The method would be part of the demolition/removal plan submittal. However, as it's being developed the contractor may reach out, to see if certain areas will be considered." B. Graham – "You may weld to the floor beams since it is to be removed."
 - "Members shall be cleaned..." B. Chapman: Members will need to be reanalyzed. The Engineer will determine if additional analysis is necessary for members that are to remain based on the condition and measured section loss after the member is cleaned.
 - vi. "Trusses shall be erected in the shop..."
- e. B. Graham In tight areas ensure that appropriate tools are available when installing the round head bolts (so that the face of the bold is visible).
- f. B. Chapman Sheets 12-17a denotes members that are to be replaced in-kind and they are identified in the member replacement schedule on sheet 18.

- g. B. Chapman Sheet 18 Identifies elements to be replaced and the "* members" are replacement members that do not match existing.
 - i. <u>Question</u> R. Merilak "Will you have a person on site that will determine which members may be replaced?" <u>Answer</u> – B. Chapman – "Yes, a bridge engineer will be on site to identify which are to be replaced beyond what has already been identified on the plans."
- h. "In addition to the members listed in the Member Replacement Schedule..." B. Chapman The intent of the note is to get U7L8 back to its original shape. From a structural standpoint it is felt the integrity is still there and but they want to get it close to its originally orientation.
- i. "All truss pins shall be replaced..."
- 3. Open the floor to questions:
 - a. <u>Question</u> R. Merilak "What elevations does the bridge need to be restored to?" <u>Answer</u> – B. Graham – "The Pier details have the specified elevations."
 - b. <u>Question</u> M. Douthat- "Will the conduit on the bridge be removed and will the overhead line be relocated?" <u>Answer</u> B. Graham/B Chapman "The conduit is to be removed, and the overhead line has been abandoned, refer to Sheet 25k."
 - c. <u>Question</u> M. Douthat- "Are there any trees that cannot be touched?" <u>Answer</u> B. Graham– "Everything within the right-of-way may be removed. However, there is a note on sheet 2 that states that the grubbing or pulling of trees or stumps will not be permitted."
 - <u>Question</u> M. Douthat- "It appears that the stringers have been replaced and they have bolted splices, how are they attached to the floor beams?" <u>Answer</u> B. Graham/B Chapman The new ones are bolted, however the existing deterioration is so bad it is believed the existing were/are bolted as well.

Contract Proposal and RFQ:

- 4. Review the Special Provisions specific to the bridge items by Mr. Chapman.
- 5. Open the floor to questions regarding the Proposal and RFQ. a. (NONE)

Bid Timeline:

6. Project Bid Schedule discussed by Mr. Chapman

| 113411 RFQ | <u>Advertised</u> 01/22/2019 | <u>Let</u> 03/15/2019 | NTP (Anticipated) |
|------------|---------------------------------|--------------------------|-------------------|
| 113411 CN | 02/12/2019 | 04/24/2019 | 07/08/19 |

Closing:

- 7. Closing comments by T. Gothard
 - a. Reiterated Bidders instructions (see above)

Adjourn and met at project site at 11:30 a.m.

Field Visit:

- 1. Observed damage on U7L8 downstream (DS) location.
- 2. Appeared that existing stringers are not bolted to the floorbeams.
- 3. General discussion on rivets, truss railing, utilities, adjacent property owners and in-stream limitations.

VDOT Culpeper District Sign-In Sheet

| PROJECT: Route 613 Bridg | Date: February 21, 2019 Time: 10:00 a.m 3:00 p.m. | | | |
|--------------------------|--|-------------------------------|------------------|-------------|
| TYPE OF MEETING: Mandat | | | | |
| NAME | COMPANY / ADDRESS | E-MAIL ADDRESS | PHONE | FIELD VISIT |
| John Douthal | Allerhay land. L. Ac | John & allephen construction. | N 530-345-0517 | 12 |
| | 2838 Micholas Au Roundy 1 A 2492 | | | |
| RON MERILAK | RISING SUN INR. | RON QRISINCSUNINC. COM | 540:364-2904(0) | Bul |
| | 11188 BEARS DEN RO. MARSHALL, VA | | 540-270-1693 (c) | / |
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