

ADDENDUM NO. 3
TO THE BIDDING DOCUMENTS
for the construction of the
2nd Street/Downtown – In-Town Levees, 2nd Street N Pump Station
Fargo, North Dakota, Work Package 42A.2

Date: September 26, 2014
CH2M HILL Project No. 435534/WP-42A.2
HMG Project No. 1014-110

Contract No. WP-42A.2

To All Planholders and/or Prospective Bidders:

RESPONSES TO BIDDER QUESTIONS

- Q1. What are the qualifications for product approval?
- A1. If the product meets the specification then it is qualified. The successful bidder will be able to submit shop drawings after bidding if they believe it is equal. If the product is not equal, it could be submitted as a substitute and it would be analyzed accordingly based on the information provided. Reference Article 7.04 of the Standard General Conditions of the Construction Contract.
- Q2. The invitation to bid indicates that the pre-bid conference and site visit is non-mandatory, but Article 6 of the Instructions to Bidders indicates that the pre-bid conference and site conference is mandatory. We are assuming that the invitation to bid is correct, but please confirm. If the pre-bid conference and site visit are, in-fact, mandatory – will a second pre-bid and site visit be held?
- A2. See Addendum No. 1 for a response to this question.
- Q3. The description of work for Contract No. 1 in the Summary of Work (starts on Page 2 of 01 11 00) appears to be the description for Contract No. 4 as it includes the mechanical, electrical, and plumbing sections – please clarify.
- A3. This issue was addressed in Addendum 2.
- Q4. The description of work for Contract No. 3 in the Summary of Work (starts on Page 6 of 01 11 00) includes the vertical pumps 22 10 00.00, etc. – we believe this should be part of Contract No. 1 – please clarify.
- A4. This issue was addressed in Addendum 2.
- Q5. Please clarify any specific requirements / goals for the Sustainable Construction Plan and any specific requirements / goals for materials and services from within Cass County as noted in Section 01 33 29.
- A5. There are no specific requirements.
- Q6. Regarding Safety:
- a. Does the SSHO need to be on the project full-time?
- b. Please confirm the requirement of the APP and AHA for this project.
- A6. a. Yes.
- b. See articles 1.06 and 1.07 of specification Section 01 35 29.

- Q7. What is the engineer's estimate on this project?
- A7. The engineer's estimate for this project is posted on the project Quest site.
- Q8. On sheet E-101 from HandHole HH1, shows (5) 4" conduits to Switchboard. Sheet E-112 shows (4) 4" and (1) 2" conduit.
- A8. Sheet E-101 is correct. Sheet E-112 should read (5) 4" conduits and (1) 2" conduit. Will correct by addendum. Here are the conduits that leave the pump stations:
- 5-4" conduits from generator pull section of SWBDA to HH1. Shown on E-101.
 - 1-2" conduit from the ATS portion of SWBDA to HH1. This is shown on E-102.
 - 1-2" conduit from CP-201 shown on E-102. • 6-4" conduits to utility transformer shown on E-101.
- Q9. On sheet E-108 - For the service entrance conduits which run from the Transformer to the Switchboard, in the wet well, do you want the conduit to be GRC, or PVC coated GRC? Sheet E-109 shows a light fixture type H2, to be located in the wet well, and sheet E-110, detail A, shows these service entrance conduits in the wet well.
- A9. On sheet E-108 the conduits do not run through the wet well. They run through the 10'-0" thick concrete wall that forms the influent channel, and are completely encased in concrete from the point they enter the pump station until they enter the electrical gear. Therefore, SCH-40 PVC is acceptable. The same applies for the generator conduits above. Also, note they are concrete encased in duct bank from the point they leave the pump station to where they enter the transformer. On sheet E-109 H2 fixtures are located on the ceiling of the wet well. These fixtures provide lighting during maintenance. On sheet E-110 the conduits are routed thru the 10'-0" thick concrete wall. The wall is shown as dashed on E-108. See structural drawings for wall details.
- Q10. Sheet E-108 show a MCCA and sheet E-101 does not show a MCCA. Is the location for the MCCA to be the location of HP1?
- A10. MCCA was replaced with HP1. HP1 should be located where MCCA is shown. LP1 should be located where HP1 is shown. This will be corrected by addendum.
- Q11. Can the QP-1 Certification for painters be waived on this project?
- A11. 1.3.3 SSPC QP 1 Waiver of Requirement: In lieu of SSPC QP 1 certification, surface preparation and coating Contractors and subcontractors may submit for waiver of this requirement if the following items are submitted and approved by the Engineer prior to approval of submittals or commencement of work: (1. Identify 5 similar sized or larger projects, including both process piping and exterior coating work, completed in the last three (3) years. (2. Provide written letters of recommendation from a minimum of three (3) separate clients (not Contractors or Engineers).
- Q12. Please confirm that the Contractor's license is sufficient for meeting the requirements of Article 3 in the Instructions to Bidders.
- A12. Yes, the contractor's license is sufficient for 3.01.A of Instructions to Bidders.

Q13. The size of the FAD-102 and FAD-105 exceed the maximum size for H-20 Ratings. Also, the specs are calling for both Bilco type K and Type J, in the schedule on plane page A-108, it references a Bilco style K/KD door and then calls for a Drainage Channel to drain to the wet well. The door style and frame are contradictory to the notes and is more conducive to the TYPE J series by Bilco or the FDD Series by Nystrom. Please advise on the correct solutions. I have provided the standard Nystrom Drawings for both the drainable frame and non-drainable frame along with the H-20 and 300 PSF for your review. In reviewing the bid documents, is the intent for the floor access hatches on Plan page A-102 to be 300 PSF or H-20 Rated?

A13. All of the hatches need to drain...interior and exterior. They are all aluminum with drains. FAD-102 is JD-AL and FAD-105 is JD-AL "custom" with aluminum grating top in lieu of the checkered plate. The spec should read J-AL and JD-AL only with 300PSF. Will be clarified in Addendum 2. The intent is for the floor access hatches to be 300 PSF for hatches on Sheet A-102.

Q14. Section 07 53 23 - page 4 paragraph 1.4.4 wind uplift? Page 7 paragraph 2.1.1 call for a 90 mill reinforced. Versico/Carlisle have a 90 mill non reinforced membrane. We cannot get an uplift rating with a ballasted system.

A14. See Addendum 2. SECTION 07 53 23, ETHYLENE-PROLYLENE-DIENE-MONMER ROOFING has been updated.

Q15. The proposal states that the shoring in place and excavation to 874 ft. be completed by 12/31/14 with the Pump Station and Floodwall completed by 11/30/15. a) Will the traffic control layout on Sheet#C-002 be required for 2014 work? b) If this layout is used for 2014 work would it remain in place during the winter or would the traffic control be removed and then reinstalled for 2015 work?

A15. Due to the scope of work with an open excavation during the winter, the traffic control will be required to be in place during the winter.

Q16. On sheet#C-002 there is moveable concrete barrier. Will attenuation devices to protect the ends of the concrete barrier be required?

A16. End sections will be required as mentioned in the legend for sheet C-002.

Q17. On sheet#C-002 there is temporary tape to be installed. Is this temporary tape only required through the intersection of 2nd St N & 3rd Ave N or is it needed along the delineator drums for the length of the work zone?

A17. The temporary tape is required along the tapers at the intersection of 2nd St. N and 3rd Ave. N and along the traffic drums/cones.

Q18. Will obliteration of existing pavement markings be required?

A18. The obliteration of the existing pavement markings will be required to remove the left-turn arrows and lane lanes in the area of the construction.

Q19. What is the classification for the pump room?

A19. The pump room is not classified, but is to be constructed as if it were C1D2.

Q20. Do you have an example of suggested mfg of the lifting system needed for the stop log enclosure on this job?

A20. Rodney Hunt, RW Gates, Whipps and Fontaine.

Q21. Is there any exterior civil concrete paving on this job?

A21. No, that will be on the next construction project for this site.

Q22. What is the sheet pile bid item for? What are the site restoration requirements for the street, curb, gutter and concrete walk? Restore to existing conditions? Is paving required in the area near the decorative fence? Is staining of the floodwalls required? Architectural drawings say "See Civil" but Civil drawings show nothing. Is the intent really to maintain traffic on 2nd Street?

A22. The bid item for sheet piling is for sheet piling to contain the excavation within the limits shown on drawing C-003, Limits of Construction. Site restoration is not included. These documents include the pump station only. No paving or concrete work is included in this project that is outside of the perimeter screen wall and fending. Floodwall staining will be done under a separate contract. Floodwall staining is not required as part of this contract. See specification 09 90 00 section 1.9.2(j). Yes, the intent is to maintain traffic on 2nd Street.

Q23. Can you clarify what type of hose you are looking for on the 10" vacuum line added in addendum #2? What type of connection is needed for the debris tube?

A23. No additional information on these items is available. Bid these items as specified and shown in the contract documents.

Q24. I don't see anywhere in the drawings where it calls out for the wet well to be coated but there is reference in the specifications for the wells to be painted. Please clarify. Also, is the piping to be painted as well?

A24. The wet well below the building is not coated. Refer to the floor plan and sections to indicate what areas of the channel that needs to be coated. Reference prior addenda for piping coatings in wet well.

END OF RESPONSES TO BIDDER QUESTIONS

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of 2nd Street/Downtown – In-Town Levees, 2nd Street N Pump Station Fargo, North Dakota, Work Package 42A.2, dated August 2014 as fully and completely as if the same were fully set forth therein:

PART 2, CONTRACTING REQUIREMENTS

Section C-700 General Conditions:

- a. Delete 1.01.A.33. and replace with the following sentence: *Resident Project Representative*—The authorized representative of Engineer assigned to assist Owner's Representative and Engineer at the Site. As used herein, the term Resident Project Representative or "RPR" includes any assistants or field staff of Resident Project

Representative.

- b. Delete 7.11.A and replace with the following: Owner's Representative or Engineer will maintain Record Documents.
 - c. Delete 10.03.A. and replace with the following: If Owner will furnish a Resident Project Representative at the Site and assist in observing the progress and quality of the Work, then the authority and responsibilities of any such Resident Project Representative will be as provided in the Supplementary Conditions, and limitations on the responsibilities hereof will be as provided in Paragraph 10.08. If Owner designates another representative or agent to represent Owner at the Site who is not Owner's Representative's or Engineer's consultant, agent, or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Supplementary Conditions.
2. Section C-800 Supplementary Conditions: Add the following new paragraphs immediately after SC-7.02.B:

ARTICLE 10 – ENGINEER'S STATUS DURING CONSTRUCTION

SC-10.03 Project Representative

SC-10.03 Add the following new paragraphs immediately after Paragraph 10.03.A:

- B. The Resident Project Representative (RPR) will be Owner's Representative and Engineer's Representative at the Site, will act as directed by and under the supervision of Engineer and Owner's Representative, and will confer with Engineer and Owner's Representative regarding RPR's actions.
1. General: RPR's dealings in matters pertaining to the Work in general shall be with Owner's Representative, Engineer, and Contractor. RPR's dealings with Subcontractors shall only be through or with the full knowledge and approval of Contractor. RPR shall generally communicate with Owner only with the knowledge of and under the direction of Owner's Representative and Engineer.
 2. Schedules: Review the progress schedule, schedule of Shop Drawing and Sample submittals, and Schedule of Values prepared by Contractor.
 3. Conferences and Meetings: Attend meetings with Contractor, such as preconstruction conferences, progress meetings, job conferences, and other Project-related meetings, and prepare and circulate copies of minutes thereof.
 4. Liaison:
 - a. Serve as Engineer's liaison with Contractor. Working principally through Contractor's authorized representative or designee, assist in providing information regarding the provisions and intent of the Contract Documents.
 - b. Assist Engineer in serving as Owner's liaison with Contractor when Contractor's operations affect Owner's on-Site operations.
 - c. Assist in obtaining from Owner additional details or information, when required for proper execution of the Work.
 5. Interpretation of Contract Documents: Report to Owner's Representative when clarifications and interpretations of the Contract Documents are needed and transmit to Contractor clarifications and interpretations as issued by Owner's Representative.

6. Shop Drawings and Samples:
 - a. Record date of receipt of Samples and Contractor-approved Shop Drawings.
 - b. Receive Samples which are furnished at the Site by Contractor, and notify Engineer of availability of Samples for examination.
 - c. Advise Owner's Representative, Engineer, and Contractor of the commencement of any portion of the Work requiring a Shop Drawing or Sample submittal for which RPR believes that the submittal has not been approved by Engineer.
7. Modifications: Consider and evaluate Contractor's suggestions for modifications in Drawings or Specifications and report such suggestions, together with RPR's recommendations, if any, to Owner's Representative and Engineer. Transmit to Contractor in writing decisions as issued by Owner's Representative.
8. Review of Work and Rejection of Defective Work:
 - a. Conduct on-Site observations of Contractor's work in progress to determine if the Work is in general proceeding in accordance with the Contract Documents.
 - b. Report to RPR and Engineer whenever RPR believes that any part of Contractor's work in progress is defective, will not produce a completed Project that conforms generally to the Contract Documents, or will imperil the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents, or has been damaged, or does not meet the requirements of any inspection, test or approval required to be made; and advise Engineer of that part of work in progress that RPR believes should be corrected or rejected or should be uncovered for observation, or requires special testing, inspection or approval.
9. Inspections, Tests, and System Start-ups:
 - a. Verify that tests, equipment, and systems start-ups and operating and maintenance training are conducted in the presence of appropriate Owner's personnel, and that Contractor maintains adequate records thereof.
 - b. Observe, record, and report to Engineer appropriate details relative to the test procedures and systems start-ups.
10. Records:
 - a. Prepare a daily report recording Contractor's hours on the Site, Subcontractors present at the Site, weather conditions, data relative to questions of Change Orders, Field Orders, Work Change Directives, or changed conditions, Site visitors, deliveries of equipment or materials, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures; and send copies to Owner's Representative and Engineer.
 - b. Record names, addresses, fax numbers, e-mail addresses, web site locations, and telephone numbers of all Contractors, Subcontractors, and major Suppliers of materials and equipment.
 - c. Maintain records for use in preparing Project documentation.
11. Reports:
 - a. Furnish to Owner's Representative and Engineer periodic reports as required of progress of the Work and of Contractor's compliance with the Progress Schedule and schedule of Shop Drawing and Sample submittals.

- b. Draft and recommend to Owner's Representative and Engineer proposed Change Orders, Work Change Directives, and Field Orders. Obtain backup material from Contractor.
- c. Immediately notify Owner's Representative and Engineer of the occurrence of any Site accidents, emergencies, acts of God endangering the Work, force majeure or delay events, damage to property by fire or other causes, or the discovery of any Constituent of Concern or Hazardous Environmental Condition.

12. Payment Requests: Review applications for payment with Contractor for compliance with the established procedure for their submission and forward with recommendations to Owner's Representative and Engineer, noting particularly the relationship of the payment requested to the Schedule of Values, Work completed, and materials and equipment delivered at the Site but not incorporated in the Work.

13. Certificates, Operation and Maintenance Manuals: During the course of the Work, verify that materials and equipment certificates, operation and maintenance manuals and other data required by the Contract Documents to be assembled and furnished by Contractor are applicable to the items actually installed and in accordance with the Contract Documents, and have these documents delivered to Owner's Representative and Engineer for review prior to payment for that part of the Work.

14. Completion:

- a. Participate in Owner's Representative and Engineer's visits to the Site to determine Substantial Completion, assist in the determination of Substantial Completion and the preparation of a punch list of items to be completed or corrected.
- b. Participate in Engineer's final visit to the Site to determine completion of the Work, in the company of Owner, Owner's Representative, and Contractor, and prepare a final punch list of items to be completed and deficiencies to be remedied.
- c. Observe whether all items on the final list have been completed or corrected and make recommendations to Engineer concerning acceptance and issuance of the notice of acceptability of the work.

C. The RPR shall not:

- 1. Authorize any deviation from the Contract Documents or substitution of materials or equipment (including "or-equal" items).
- 2. Exceed limitations of Engineer's or Owner's Representative authority as set forth in the Contract Documents.
- 3. Undertake any of the responsibilities of Contractor, Subcontractors, or Suppliers.
- 4. Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences or procedures of Contractor's work.
- 5. Advise on, issue directions regarding, or assume control over security or safety practices, precautions, and programs in connection with the activities or operations of Owner or Contractor.
- 6. Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by Engineer.
- 7. Accept Shop Drawing or Sample submittals from anyone other than Contractor.
- 8. Authorize Owner to occupy the Project in whole or in part.

PART 3, SPECIFICATIONS

1. SECTION 26 29 01.00 10, ELECTRIC MOTORS, 3-PHASE VERTICAL INDUCTION TYPE:
 - a. REPLACE SECTION 26 29 01.00 10, ELECTRIC MOTORS, 3-PHASE VERTICAL INDUCTION TYPE in its entirety with SECTION 26 29 01.00 10AD-3, ELECTRIC MOTORS, 3-PHASE VERTICAL INDUCTION TYPE included with Addendum No. 3.

PART 4, DRAWINGS

The following attached Drawings contain clouded changes for incorporation into bid:

1. Sheet C-003: Modify Limits of Construction, Storage, Laydown and Parking.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 3 in the Addenda Acknowledgement Form. Addenda Acknowledgement Form submitted without acknowledgment or without this Addendum will be considered in nonconformance.

Houston-Moore Group, LLC



Project Engineer

Appended hereto and part of Addendum No. 3:

1. SECTION 26 29 01.00 10AD-3, ELECTRIC MOTORS, 3-PHASE VERTICAL INDUCTION TYPE
2. REPLACE the following existing drawings.
 - 2.1 C-003 LIMITS OF CONSTRUCTION.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of North Dakota. Responsible for Specification Sections 23 00 00, 23 03 00.00 20, 23 05 48.00 40, 23 05 93, 23 07 00, 23 08 00.00 10, 23 09 33.00 40, 23 23 00, 23 31 13.00 40, and 23 82 46.00 40.

This document was originally issued and sealed by Jeffrey A. Lewis, Registration No. PE-9245, on August 25, 2014 and the original document is stored at CH2M HILL ENGINEERING, INC., Fargo, ND.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of North

Dakota. Responsible for Specification Sections 02 41 00, 22 00 00, 22 10 00.00 10, 22 10 00.00 10A, 22 12 00, 22 13 29, 35 05 40.17, 35 20 16.53, 35 20 14, 40 05 13, and 46 20 20.

This document was originally issued and sealed by Kenneth T. Demmons, Registration No. PE-8979, on August 25, 2014 and the original document is stored at CH2M HILL ENGINEERING, INC., Fargo, ND.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of North Dakota. Responsible for Specification Sections 03 11 13.0010, 03 15 00.00 10, 03 20 00.00 10, 03 30 00.00 10, 03 35 00.00 10, 03 39 00.00 10, 03 45 33, 05 12 00, 05 50 13, 05 50 14 and 31 00 00.00 14.

This document was originally issued and sealed by Svein K. Magnussen, Registration No. PE-9375, on August 25, 2014 and the original document is stored at CH2M HILL ENGINEERING, INC., Fargo, ND.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the state of North Dakota. Responsible for Specification Sections 04 20 00, 05 51 33, 05 72 00, 06 10 00, 07 11 13, 07 14 00, 07 19 00, 07 21 13, 07 22 00, 07 53 23, 07 60 00, 07 92 00, 08 11 16, 08 60 45, 08 71 00, 08 81 00, 08 91 00, 09 06 90, 09 90 00, 10 14 00.20, 10 44 16.

This document was originally issued and sealed by James C. Adrian Jr, R. A., License No. 2444, on August 25, 2014 and the original document is stored at CH2M HILL ENGINEERING, INC., Fargo, ND.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of North Dakota. Responsible for Specification Sections 26 00 00.00 20, 26 20 00, 26 23 00.00 40, 26 29 01.00 10, 26 36 00.00 10, 26 41 00, 26 51 00, 26 56 00, 33 71 02, 40 95 00, 40 95 00A and 40 95 00B.

This document was originally issued and sealed by Kevin K. Themes, Registration No. PE-9499, on August 25, 2014 and the original document is stored at CH2M HILL ENGINEERING, INC., Fargo, ND.

This document was originally issued and sealed by the above professionals, and the original document is stored at CH2M HILL ENGINEERING, INC., Fargo, ND.

END OF ADDENDUM