



# Addendum #1

Project: State of Nebraska – Department of Roads  
District 6 Arthur Maintenance Building Project (AFE K-602)  
Arthur, NE

Issue Date: Wednesday, September 21, 2016

Bid Date: Thursday, October 13, 2016

Final Date for  
Submission of  
Questions: Thursday, October 06, 2016

This Addendum is issued to all known plan holders before receipt of proposals.

The following shall be included with, and considered a part of, the original contract documents to the same extent as if they were included therein, for the construction of the above mentioned project. The Project Manual and Drawings shall be modified or revised as herein described. Where at variance with the original work, this Addendum shall have precedence.

This Addendum modifies the original Bidding Documents. The Bidder must acknowledge receipt of this Addendum in the space provided on the Proposal Form. Failure to do so may subject bidder to disqualification.

## **PROJECT MANUAL**

AD1.1 Specification Table of Contents - Add the following section to the Table of Contents of the Project Manual:

“07 27 26 - Fluid Applied Air Barrier - Vapor Barrier”.

AD1.2 Specification Section 00 10 00 Notice to Bidders - This section is replaced in its entirety. The new section is called 00 10 00 AD1 Notice to Bidders and is attached to this addendum. The bid due date has been extended. Bids will be received at the Department of Roads Operations Division, located at 5001 S. 14th Street, Lincoln, Nebraska, until 3:00 PM, local time on Thursday October 13, 2016 and will then be publicly opened and read aloud.

AD1.3 Specification Section 00 20 00 Instructions to Bidders, Part 2.03 - The pre-bid meeting scheduled for September 13th is now OPTIONAL. The sign in sheet (1 page) and NDOR's pre-bid meeting notes from the pre-bid meeting are attached to this addendum (5 pages).

AD1.4 Specification Section 01 10 00 Summary, Part 1.06 - Clarification - The contractor may utilize the existing NDOR well for water during construction. Note this cannot interfere with NDOR's normal use and operations at the facility. The contractor may not use NDOR's sanitary facilities at the site.

AD1.5 Specification Section 04 05 23 Masonry Accessories - Paragraph 2.2, Subparagraph E.I, delete the reference to "Anchors, dovetail" and add "Veneer Anchors" in its place with the following description:

“a. Stainless Steel-Type 304

b. Thermal Concrete Wing Nut Anchor similar to anchor manufactured by Hohmann & Barnard. Thermal wings to provide thermal break with large washer to secure insulation against the backup wall surface.

c. Seismic hook, hot dipped galvanized with double hook and length to adequately imbed in to the masonry veneer.”

AD1.6 Specification Section 04 05 23 Masonry Accessories - Paragraph 3.1, Subparagraph F.2, Veneer with concrete back-up, delete all subparagraphs and add the following in their place:

“a. Anchor veneer to concrete construction with wing nut anchor using screw type anchor barrel.

b. Secure masonry to wing nut anchor with adjustable pintle hook.

c. Provide anchorage of veneer in coursing at not more the 32 IN OC vertically and horizontally.”

AD1.7 Specification Section 07 21 00 Building Insulation - Paragraph 2.2 A2 b.3, delete reference to "2 IN cavity insulation" and add "3 IN cavity insulation" in its place.

AD1.8 Specification Section 07 26 26-AD1 Fluid Applied Air Barrier-Vapor Resistive - Add the attached specification to the Project Manual (4 pages).

## **DRAWINGS**

AD1.9 Drawing 01A101 - Maintenance Building First Floor Plan - Wall Types-Types 4A and 5A shall be revised to add the following note to each section - "3/4 IN hat channel at 24 IN OC vertical"

AD1.10 Drawing 01A101 - Maintenance Building First Floor Plan - Crew Room / Computer Room - add an FEC (fire extinguisher cabinet) on the west wall leading to Corridor 104 directly across from the refrigerator.

AD1.11 Drawing 01A301 - Maintenance Building Section 1 - Add the following description note to both portions of the roof over the Office portion of the building:

"Standing seam metal roof over 40 mil composite air and moisture barrier similar to Carlisle VapAir Seal 725TR over 3/4 IN T&G plywood deck secured to building trusses."

AD1.12 Drawing 01A303 – Detail 5, Eave Detail @ Patio - Add the following clarification to the note to the metal roof over the exterior patio portion of the building:

"Standing seam metal roof on ¾" IN T&G plywood deck."

AD1.13 Drawing 01A501 – Maintenance Building Details – Detail 8, Thru Wall Flashing - Lower the 1'-7" height of the Thru Wall Flashing to 1'- 0" and lower the termination bar to the top of the flashing.

**END OF ADDENDUM NO. 1**

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**SECTION 00 10 00-AD1**

**NOTICE TO BIDDERS**

Sealed proposals for furnishing all plant, equipment, transportation, tools, materials, labor and skills necessary and incidental to perform all work described in the Proposed Contract Documents entitled:

**NEBRASKA DEPARTMENT OF ROADS DISTRICT SIX  
ARTHUR MAINTENANCE BUILDING  
PROJECT NUMBER: AFE K-602**

Bids will be received at the Department of Roads Operations Division, located at 5001 S. 14<sup>th</sup> Street, Lincoln, Nebraska, **until 3:00 PM, local time on Thursday October 13, 2016** and will then be publicly opened and read aloud.

**NOTE: Date of bid originally was September 29, 2016. Addendum #1 changed the date to October 13, 2016.**

The said Documents have been prepared by HDR and may be obtained from A & D Technical Supply for a refundable deposit of \$75.00, contact 402-474-5454 to obtain documents. Documents are also available for viewing at the Lincoln Builders Bureau, Omaha Builders Exchange, Central Nebraska Plan Service in North Platte, Grand Island Area Chamber of Commerce, and Kearney Builders Bureau. Letting information can also be found at the Nebraska Dept. of Roads website at:

<http://www.transportation.nebraska.gov/operations/capital-fac/index.htm>

Project Description: Work includes a new approximately 8,100 square foot building consisting of an office area with a crew room, bathrooms, and other associated spaces, heated vehicle storage bays, a wash bay, and a general storage bay. The bays portion of the building shall be a pre-engineered metal building with a concrete and CMU veneer stem wall around the perimeter. The office area portion of the building will be metal or wood stud construction with a matching low CMU veneer. Site work includes a fuel island, new parking, walks, salt dome pad, various utilities, site grading and perimeter fencing. Mechanical and Electrical work includes general HVAC to heat and cool the building, plumbing, power and lighting.

All bids shall be made on the printed proposal forms attached to and made a part of the Proposed Contract Documents and placed in a sealed envelope marked "BID - ARTHUR MAINTENANCE BUILDING - AFE K-602".

Bids mailed to this office shall be addressed to:

Nebraska Dept. of Roads  
Operations Division-attn: Liz Salisbury  
PO Box 94759  
Lincoln, NE 68509-4759

Bids delivered in person shall be delivered to:

Nebraska Dept. of Roads  
Operations Division-attn: Liz Salisbury  
5001 South 14<sup>th</sup> Street  
Lincoln, NE

Please note: This location is the Operations Building located south of the State Penitentiary.

NOTICE: Bids submitted by facsimile or electronic transmission are NOT ACCEPTABLE.

Each Bidder must submit with the bid a certified or cashiers' check or a bid bond on AIA form A310 in an amount equal to five (5%) of the bid.

The character and amount of security must be submitted by the Contractor for the performance of the Contract is stated in the proposed contract documents.

THE RIGHT IS RESERVED TO WAIVE ALL TECHNICALITIES AND TO REJECT ANY OR ALL BIDS.  
DEPARTMENT OF ROADS

Kyle Schneweis, P.E., Director

**END OF SECTION**



# PRE-BID CONFERENCE

District 6 - Arthur

Arthur Maintenance Building

PROJECT AFE K-602

Tuesday, September 13, 2016

9:00 AM – Local Time

INTRODUCTORY REMARKS:

INTRODUCE SELF – GOOD MORNING! I am Joshua Cowan – Facilities Construction Coordinator II for the Nebraska Department of Roads. I would like to THANK YOU for your interest in the Arthur Maintenance Building Project.

The Purpose of this conference is to answer any Administrative or Technical questions you may have and to provide you with an opportunity to look at the Project Site.

INTRODUCTIONS – I would like to make some Introductions:

Ron Rehtus, Capital Facilities Architect - NDOR

Tom Renninger, Assistant Operations Division Manager – NDOR

Toby Thomsen, District 6 Highway Project Manager - NDOR

Roger Klasna, District 6 Operations Maintenance Manger - NDOR

John Rickert, Senior Architect - HDR

David Rohan, Associate Vice President – HDR – Attending Via Phone

SIGN IN SHEET– Has everyone had a chance to sign the Sign-In Sheets that are circulating? Be sure and sign in before you leave.

## ADDENDUMS

No addendums have been issued

All attending today will receive any addendums. Those on the Plan holders list at A&D will also receive the addendums. Please sign the attendance sheet to ensure that you receive any addendums for this project.

## BID FORM

On completing the Bid Proposal Form contained in the Bid Packet (Section 004000):

1. Please fill out the Bid form completely for all applicable items.
2. Sign the Bid Form in [Blue Ink](#).
  - Bids received without original signature or
  - Signed in pencil will not be accepted.
3. Return all four (4) pages of the Bid Form, pages 004000-1 – 004000-4.
4. On the Bid Form, there is a Total Base Bid Amount
5. Be sure to enter your Bid Proposal amounts correctly in both words and figures as required on the Bid Proposal Form.
6. The Bid Review Committee will review the Bids for any discrepancies.
7. Be sure to fill out the Schedule of Values on the Bid Form.
8. Be sure to provide the bid in an envelope marked "BID".
9. Be sure to provide the name of the project and project number on the envelope for clarification.

## BIDS DUE

1. The Bids are due NO LATER THAN @ 3:00 PM on Thursday, September 29, 2016, at the Nebraska Department of Roads Operations Division, 5001 S. 14<sup>th</sup> Street, Lincoln, Nebraska.
2. Parking is available in the South Parking Lot.
3. The Bids will be publicly opened and recorded in Conference Room #110. You are welcome to stay and attend the Bid Opening.

## DRUG POLICY

By signing the Bid Proposal, the Bidder is committed to provide a drug free workplace environment. If requested by the Nebraska Department of Roads, the Bidder must furnish evidence that they have a Drug Free Workplace Policy.

## BID REVIEW COMMITTEE

The "Bid Review Committee" will meet within one week after the Public Bid

Opening to review the bids for any irregularities and to award the contract on the Project.

### CONTRACT REVIEW

Contracts will then be prepared and sent to the NDOR Attorney's Office for review. The contract review takes about two weeks. Once the contract review is complete, the contracts go to the Contractor for signature.

### LIQUIDATED DAMAGES

Liquidated damages will be assessed for this project in the amount of \$500/day for every calendar day the work remains unfinished after the substantial completion date.

### MANDATORY MEETINGS

After the Contract is fully executed, a PRE-CONSTRUCTION MEETING will be held on site after the Contracts, Performance Bonds, and Certificate of Insurance have been received.

### INVOICE PAYMENTS ON PROJECT

1. Payments will be made by DIRECT DEPOSIT on the project in accordance with State of Nebraska procedures. Payments will be made within 30 days after the invoices are received at the CAP FAC Office.
2. The Nebraska State Treasurer requires that payments in excess of \$25,000 will be made by direct deposit instead of State Warrants (checks).
3. The Contractor must establish a direct deposit payments enrollment with the State Treasurer (ACH – Automated Clearing House). The enrollment form will be provided at the Pre-Construction Meeting.

### HOURS OF OPERATION AT THE PROJECT LOCATION:

Monday - Friday, 7:00 AM -3:30 PM

The Contractor will work within this time frame unless different hours are worked out with the Site Point of Contact and the Facilities Construction Coordinator on the project.

### COORDINATION ON OTHER CONSTRUCTION AT FACILITY

None at this time

### EQUIPMENT STORAGE & MATERIAL STORAGE AT THE SITE

The Contractor is responsible for the security of their equipment and any materials left at the site.

The Contractor is expected to keep the construction site clean and free of trash and debris during the project. Daily cleaning shall be completed.

USE OF SANITARY FACILITIES:

Use of existing Facilities NOT is Acceptable

ADMIN QUESTIONS (Space for Notes)

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TECHNICAL COMMENTS

CONTRACT TIME

1. Contractor is to ensure days indicated on bid form are correct. The days should reflect the time required from issuance of "Notice To Proceed" thru Substantial Completion of the project.
2. The Bid Form will indicate a not to exceed date, which is the maximum amount of time we have allotted for the project. (550 days) Your number of days can be less just not more than that timeline.

USE OF SITE

The Contractor is responsible for the security and safety of the site at all times. The construction area should be kept neat and tidy, and adjacent space and roads to be kept clean and clear. Contractor responsible for repair of any damages to facilities and property.

ALTERNATIVE/ADDITIVE BID ITEMS

- 1 Alternate:  
Remove NON-ADA Parking Lot

UNIT PRICE ITEMS

- 2 Unit Prices:  
Add/Deduct depth of the Domestic Well (215 LF)

Add/Deduct linear feet of leech field pipe removal (200 LF)

ARCHITECT COMMENTS

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CONTRACTOR QUESTIONS AND COMMENTS

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MEETING ADJOURNED:

PROJECT SITE EXAMINATION

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Name:	Company/Firm/Agency:	Phone Number:	E-Mail Address:
1. Ron Rehtus <i>RR</i>	NDOR – CAP FAC	402.479.4498	ron.rehtus@nebraska.gov
2. Joshua Cowan <i>JC</i>	NDOR – CAP FAC	402.479.3746	joshua.cowan@nebraska.gov
3. Tom Renninger <i>TR</i>	NDOR – AODM	402.479.4787	tom.renninger@nebraska.gov
4. Toby Thomsen <i>TT</i>	NDOR – Dist. 6 Hwy PM	308.535.8031	toby.thomsen@nebraska.gov
5. Roger Klasna <i>RK</i>	NDOR – Dist. 6 DOMM	308.535.8031	roger.klasna@nebraska.gov
6. John Rickert <i>JR</i>	HDR – Senior Architect	402.926.7151	john.rickert@hdrinc.com
7. David Rohan <i>DR</i>	HDR – Associate VP	402.926.7119	david.rohan@hdrinc.com
8. <i>Scott Skala</i>	<i>STEEL'S ROOFING &amp; CONST. INC</i>	<i>308-660-2910</i>	<i>STEEL'S INC @ EMAIL.COM</i>
9. <i>Kyle Hells</i>	<i>KIS Electric DBA Hells Electric</i>	<i>308-520-4725</i>	<i>hells electric and services e &amp; mail.com</i>
10. <i>Tim Sueper</i>	<i>B-D Construction</i>	<i>402-564-1225</i>	<i>tim.sueper@gmail.com</i>
11.			

2016/09/20

**SECTION 07 27 26-AD1**  
**FLUID APPLIED AIR BARRIER - VAPOR RESISTIVE**

**PART 1 GENERAL**

1.1 SUMMARY

A. Section Includes:

1. Covering of concealed cast-in-place concrete stem wall and wall sheathing behind masonry veneer.
- B. Furnish labor, materials, tools, equipment, and services for Fluid-Applied Air Barrier - Vapor Resistive, as indicated, in accordance with provisions of Contract Documents.
- C. Completely coordinate with work of other trades.

1.2 QUALITY ASSURANCE

A. Manufacturer Qualifications:

1. Air and vapor barrier systems shall be manufactured by firm with minimum of twenty (20) years of experience in production of waterproofing.

B. Installer Qualifications:

1. Certified by Manufacturer and Air Barrier Association of America.
2. Minimum five (5) years of continued experience in successful installation of vapor and water resistive air barrier products on similar project applications.

C. Provide primary materials of one manufacturer for each component required for work.

D. ASTM International (ASTM):

1. ASTM C836 Standard Specification for High Solids, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course.
2. ASTM C920 Specifications for Elastomeric Joint Sealants.
3. ASTM C1193 Guide for Use of Joint Sealants.
4. ASTM D412 Standard Test Methods for Rubber Properties in Tension.
5. ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds.
6. ASTM D3767 Standard Practice for Rubber - Measurements of Dimensions.
7. ASTM D4541 Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers.
8. ASTM E96 Test Methods for Water Vapor Transmission of Materials.
9. ASTM E283 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across Specimen.
10. ASTM E2178 Standard Test Method for Air Permeance of Building Materials.
11. ASTM E2357 Standard Test Method for Determining Air Leakage of Air Barrier Assemblies.

### 1.3 SUBMITTALS

- A. Shop Drawings:
  - 1. Show locations and extent of air barrier. Include details for substrate joints and cracks, counterflashing strip, penetrations, inside and outside corners, terminations, and tie-ins with adjoining construction.
  - 2. Details and isometrics at openings showing layouts of Air Barrier Flashings and sequence of installation.
- B. Product Data:
  - 1. Manufacturer's literature indicating specified material and required components.
- C. Project Information:
  - 1. Written documentation demonstrating applicator's qualifications.
  - 2. Minutes of Pre-installation Conference.
- D. Contract Closeout Information:
  - 1. Manufacturer Warranty.
  - 2. Installer Warranty.

### 1.4 WARRANTY

- A. Manufacturer standard five (5) year warranty that air and vapor barrier and accessories are free of defects at time of delivery, and are manufactured to meet manufacturer's published physical properties and material specifications.
- B. Installer five (5) year warranty for air and vapor barrier and accessories have been installed in accordance with manufacturer's recommendations, and that all components used in this section have been sourced from one manufacturer.

## PART 2 PRODUCTS

### 2.1 ACCEPTABLE MANUFACTURERS

- A. Fluid-Applied Air Barrier - Vapor Resistive:
  - 1. Base:
    - a. Carlisle Coatings and Waterproofing Incorporated.
  - 2. Optional:
    - a. Henry Company.
    - b. Grace Construction Products.
    - c. Tremco.
  - 3. Other manufacturers desiring approval comply with Section 00 26 00.

## 2.2 MATERIALS

- A. Fluid Applied Membrane:
  - 1. Two part, self-curing, synthetic rubber based material free of solvents, isocyanates and bitumen.
  - 2. Base Product:
    - a. Carlisle Fire Resist Barritech NP.
  - 3. Optional:
    - a. Henry Air-Bloc 32 MR.
    - b. Grace Perm-A-Barrier NP 20.
- B. Material Performance Requirements:
  - 1. Air Permeance:
    - a. Not greater than 0.004 CFM/SF 0.3 water pressure differential (1.57 PSF), as tested in accordance with ASTM E2178.
  - 2. Vapor Permeance:
    - a. Not greater than 0.08 Perm when tested in accordance with ASTM E96.
- C. Assembly Performance:
  - 1. Not greater than 0.04 CFM/SF 0.3 water pressure differential (1.57 PSF), as tested in accordance with ASTM E2357.
- D. Transition Membrane:
  - 1. Self-adhesive.
  - 2. Compatible with air barrier and adjacent substrate.
  - 3. As recommended by air barrier manufacturer.
- E. Water-based primer:
  - 1. High tack water based primer, for use with self-adhered membranes and tapes.

## PART 3 EXECUTION

### 3.1 PREPARATION

- A. Examine conditions for compliance with requirements for installation, tolerances and other specific conditions affecting performance of air barrier.
- B. Substrate to be smooth and free of voids, spalled areas and sharp protrusions.
- C. Remove deleterious materials from surfaces to be covered.
- D. Do not proceed with installation until unsatisfactory conditions have been corrected.
- E. Installation indicates acceptance of substrates and responsibility for performance.

### 3.2 INSTALLATION

- A. Install according to manufacturer's directions.
- B. Perform work only when existing and forecast weather conditions are within limits established by manufacturer.
- C. Join air barrier in an airtight and flexible manner to air barrier material of adjacent systems, allowing for relative movement of systems due to thermal and moisture variations and creep, between:
  - 1. Foundation and walls.
- D. Concrete Substrates:
  - 1. Apply air and vapor barrier over concrete wall.
  - 2. Fill voids, holes and mortar joints, with lean mortar mix, non-shrinking grout or parge coat.
- E. Fluid Applied Membrane:
  - 1. Spray or trowel apply continuous uniform film using multiple, overlapping passes to ensure even thickness and coverage.
  - 2. Carry membrane into openings minimum 3 IN.
  - 3. Seal penetrations as work progresses.
- F. Transition Membrane:
  - 1. Install mastic at terminations, substrate transitions, penetrations and overlaps according to manufacturer's standard details.
  - 2. Seal top edge of flashing with termination mastic.
- G. Flexible Membrane Through Wall Flashing:
  - 1. Fully adhere flashing to substrate.
  - 2. Overlap adjacent pieces and roll seams.
  - 3. Trim bottom edge 1/2 IN back from exposed face of wall.
  - 4. Turn up ends minimum of 2 IN at heads, sills and flashing terminations. Fold to form an end dam and seal seams.
  - 5. Seal top edge of flashing with termination mastic.

### 3.3 PROTECTION AND CLEANING

- A. Schedule work to ensure that system is covered as soon as practicable.
  - 1. Protect system from damage during subsequent operations.
- B. Protect air barrier from exposure to UV light and harmful weather exposure as required by manufacturer. Apply temporary UV protection if system cannot be covered within 45 days after installation. Remove and replace air barrier exposed for more than 60 days.
- C. Clean spills, stains, and soiling from construction that would be exposed in completed work as recommended by manufacturer of affected construction.
- D. Remove masking materials after installation.

**END OF SECTION**