



DANE COUNTY DEPARTMENT of PUBLIC WORKS, HIGHWAY and TRANSPORTATION

County Executive
Kathleen M. Falk

1919 Alliant Energy Center Way ♦ Madison, Wisconsin 53713
Phone: (608) 266-4018 ♦ Fax: (608) 267-1533

Commissioner / Director
Gerald J. Mandli

August 26, 2009

ATTENTION ALL REQUEST FOR BID HOLDERS

RFB NO. 309021 - ADDENDUM NO. 1

RHINO HOUSE ROOF INSULATION AT THE HENRY VILAS ZOO

BIDS DUE: THURSDAY, SEPTEMBER 3, 2009, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB), and is hereby made a part of the RFB. **Please acknowledge this Addendum on the Bid Form.**

PLEASE MAKE THE FOLLOWING CHANGES:

1. Bid Form

Add Alternate Bid 2: Install glass reinforced gypsum sheathing under the wood shakes roof as per Specification Section 09 21 16.

Sincerely,

John Welch
Project Manager

Enclosures:

Bid Form, Revised 8/26/09
Specification Section 09 21 16 – Gypsum Board Assemblies

BID FORM (REVISED 8/26/09)

BID NO. 309021

**PROJECT: RHINO EXHIBIT ROOF INSULATION
HENRY VILAS ZOO**

**TO: DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY &
TRANSPORTATION PROJECT ENGINEER
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713**

BASE BID - LUMP SUM:

Work includes the removal of existing asphaltic shingle roofing, installation of vapor barrier, rigid insulation, and OSB, and installation of new asphaltic shingle roofing. In addition, install batt insulation and vapor barrier in ceiling cavities below wood shake roof. The undersigned, having examined the site where the Work is to be executed and having become familiar with local conditions affecting the cost of the Work and having carefully examined the Drawings and Specifications, all other Construction Documents and Addenda thereto prepared by Dane County Department of Public Works, Highway & Transportation hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the entire Work, as specified in the Construction Documents, for the Base Bid stipulated sum of:

_____ and _____ /100 Dollars
Written Price

\$ _____
Numeric Price

ALTERNATE BID 1 - LUMP SUM:

Add price for providing 29 gauge metal ceiling under insulation and vapor barrier of wood shake roof.

_____ and _____ /100 Dollars
Written Price

\$ _____
Numeric Price (circle: Add or Deduct)

ALTERNATE BID 2 - LUMP SUM:

Add price for providing glass reinforced gypsum sheathing under insulation and vapor barrier of wood shake roof , per Specification Section 09 21 16.

_____ and _____ /100 Dollars
Written Price

\$ _____
Numeric Price (circle: Add or Deduct)

Receipt of the following addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No(s). _____ through _____

Dated _____

Dane County Zoo must have this project completed by November 6, 2009. Assuming this Work can be started by September 28, 2009, what dates can you commence and complete this job?

Commencement Date: _____ Completion Date: _____
(final, not substantial)

I hereby certify that all statements herein are made on behalf of:

(Name of Corporation, Partnership or Person submitting Bid)

Select one of the following:

1. A corporation organized and existing under the laws of the State of _____, or

2. A partnership consisting of _____, or

3. A person conducting business as _____;

Of the City, Village, or Town of _____ of the State of _____.

I have examined and carefully prepared this Bid from the associated Construction Documents and have checked the same in detail before submitting this Bid; that I have full authority to make such statements and submit this Bid in (its) (their) (my) behalf; and that the said statements are true and correct. In signing this Bid, we also certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit a Bid; that this Bid has been independently arrived at without collusion with any other bidder, competitor, or potential competitor; that this Bid has not been knowingly disclosed prior to the opening of Bids to another bidder or competitor; that the above statement is accurate under penalty of perjury.

SIGNATURE: _____
(Bid is invalid without signature)

Print Name: _____ Date: _____

Title: _____

Address: _____

Telephone No.: _____ Fax No.: _____

Email Address: _____

Contact Person: _____

THIS PAGE IS FOR BIDDERS' REFERENCE AND NEED NOT BE SUBMITTED WITH BID FORM.

BID CHECK LIST:

These items **must** be included with Bid:

Bid Form

Bid Bond

Fair Labor Practices Certification

BIDDERS SHOULD BE AWARE OF THE FOLLOWING:

DANE COUNTY VENDOR REGISTRATION PROGRAM

Any person bidding on any County contract must be registered with the Dane County Purchasing Division & pay an annual registration fee. A contract will not be awarded to an unregistered vendor. Obtain a *Vendor Registration Form* by calling 608/266-4131 or complete a new form or renewal one online at:

www.danepurchasing.com/registration

DANE COUNTY BEST VALUE CONTRACTING PRE-QUALIFICATION

Contractors must be pre-qualified as a Best Value Contractor with the Dane County Public Works Engineering Division before the award of contract. Obtain a *Best Value Contracting Application* by calling 608/266-4018 or complete one online at:

www.co.dane.wi.us/pwht/BVC_Application.aspx

EQUAL BENEFITS REQUIREMENT

By submitting a Bid, the contractor acknowledges that a condition of this contract is to provide equal benefits as required by Dane County Code of Ordinances Chapter 25.016. Contractor shall provide equal benefits as required by that Ordinance to all required employees during the term of the contract. For more information:

www.danepurchasing.com/partner_benefit.aspx

SECTION 09 21 16

GYP SUM BOARD ASSEMBLIES – Alternate Bid 2 Only

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes glass reinforced gypsum sheathing. Install under insulation and vapor barrier of wood shake roof.
- B. This Work is Alternate Bid 2.
- C. Related Sections:
 - 1. Section 07 21 16 - Blanket Insulation: Thermal insulation.

1.2 REFERENCES

- A. ASTM International:
 - 1. ASTM C630 - Standard Specification for Water-Resistant Gypsum Backing Board.
 - 2. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board.
 - 3. ASTM C1177 - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing
 - 4. ASTM C1280 - Standard Specification for Application of Gypsum Sheathing.
 - 5. ASTM C1396/C1396M - Standard Specification for Gypsum Board.
 - 6. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. Gypsum Association:
 - 1. GA 216 - Application and Finishing of Gypsum Board.

1.3 SUBMITTALS

- A. Product Data: Submit data on gypsum board, joint tape, joint compound, fasteners, and sealants.

1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with ASTM C840, ASTM C1280, and GA-216.
- B. Moisture and Mold-Resistant Assemblies: Provide and install moisture- and mold-resistant glass-mat gypsum wallboard products with moisture-resistant surfaces complying with ASTM C 630 and ASTM C 1177 in all locations which are to receive batt blanket insulation as part of this project, per Specification Section 07 21 16.

- C. Surface Burning Characteristics:
 - 1. Textile Wall Coverings: Comply with one of the following:
 - a. Maximum 25/450 flame spread/smoke developed index when tested in accordance with ASTM E84.
- D. Perform Work in accordance with Dane County work standards.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years experience.
- B. Installer: Company specializing in performing Work of this section with minimum three years experience.

1.6 STORAGE AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against damage from weather, condensation, direct sunlight, construction traffic, and other causes. Stack panels flat to prevent sagging.

1.7 PROJECT CONDITIONS

- A. Do not use sheathing as a base for nailing or mechanical fastening. Fasteners should be flush to the face of the board, not countersunk.
- B. Do not laminate sheathing to masonry surfaces; use furring strips or framing spaced at manufacturer's specifications.
- C. For all installations, design details such as fasteners, sealants and control joints per system specifications must be properly installed per system specifications. Openings and penetrations must be properly flashed and sealed.
- D. Environmental Limitations: Comply with ASTM C 840 requirements or gypsum board manufacturer's written recommendations, whichever are more stringent.
- E. Do not install interior products until installation areas are enclosed and conditioned.
- F. Do not install panels that are wet, those that are moisture damaged, and those that are mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, splotchy surface contamination and discoloration.

PART 2 PRODUCTS

2.1 GYPSUM BOARD ASSEMBLIES

- A. Manufacturers:
 - 1. G-P Gypsum Corp., Model: Dens-Glass GOLD Sheathing.
 - 2. The Gold Bond, Model: E²XP Extended Exposure Gypsum Sheathing.
 - 3. CertainTeed, Model: GlasRoc Brand Enhanced Glass Reinforced Gypsum Sheathing.
- B. Requests for substitutions will be considered by project manager in accordance with provisions of Section 01 00 00, paragraphs titled Product Options and Substitutions.
- C. Furnish materials in accordance with Dane County standards.

2.2 PANELS, GENERAL

- A. Size: Provide in maximum lengths and widths available that will maximize joints in each area and that correspond with support system indicated.

2.3 COMPONENTS: EXTERIOR GYPSUM BOARD FOR CEILINGS

- A. Exterior Glass-Mat Gypsum Board: ASTM C1396/C1396M with manufacturer's standard edges; Type X fire resistant.
 - 1. Exterior Gypsum Sheathing Board: ½ inch thick, maximum available size in place; ends square cut; water repellent paper faces.

2.4 ACCESSORIES

- A. Joint Tape: 2" wide, 10 x 10 glass mesh tape.
- B. Joint Compound: Gypsum setting-type joint compound.
 - 1. Glass-Mat Gypsum Sheathing Board: As recommended by sheathing board manufacturer.
- C. Nails, wood framing: Hot dip, 11 gauge galvanized nails with a 7/16" head, 1½" minimum length, or as recommended by sheathing board manufacturer.
- D. Screws, metal or wood framing:
 - 1. Wafer head, rust-resistant, Type S-12 drill or Hi-Lo, minimum 1" length. Or Type W rust-resistant, bugle head, coarse thread, sharp point for wood, or as recommended by sheathing board manufacturer.
- E. Sealants and caulk:
 - 1. Dow Corning 795 or equivalent; Pecora 895 or equivalent.
 - 2. Borden HPPG Elmers Siliconized Acrylic Latex Caulk or equivalent; Pecora AC-20 acrylic latex sealant; GE Silicone Silpruf Sealant; Tremco Dymonic
 - 3. As recommended by sheathing board manufacturer.

- F. Thermal Insulation: As specified in Specification Section 07 21 16.
- G. Vapor Retarder: As specified in Specification Section 07 21 16.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify site conditions are ready to receive work and opening dimensions are as instructed by manufacturer.
- B. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.

3.2 EXISTING WORK

- A. Extend existing gypsum board installations using materials and methods as specified.
- B. Repair and remodel existing gypsum board assemblies which remain or are to be altered.

3.3 INSTALLATION

- A. Gypsum Board Installation:
 - 1. Install gypsum board in accordance with ASTM C840, GA-216, and GA-600.
 - 2. Erect gypsum sheathing in accordance with ASTM C1280, horizontally, with edges butted and ends occurring over firm bearing.
 - 3. Install panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.
 - 4. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.
 - 5. Form control and expansion joints with space between edges of adjoining gypsum panels.
 - 6. Cover interior face of support framing with gypsum panels.
 - a. Unless concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 square feet in area.
 - b. Fit gypsum panels around ducts, pipes, and conduits.
 - c. Where partitions intersect structural members projecting below underside of roof slabs and decks, cut gypsum panels to fit profile formed by structural members; allow ¼ to 3/8 inch wide joints to install sealant.
 - 7. Isolate perimeter of gypsum board applied to non-load-bearing partitions at structural abutments, except floors. Provide ¼ to ½ inch wide spaces at these locations. Seal joints between edges and abutting structural surfaces with acoustical sealant.
 - 8. Wood Framing: Install gypsum panels over wood framing, with floating internal corner construction. Do not attach gypsum panels across the flat grain of wide-

dimensional lumber, including floor joists and headers. Float gypsum panels over these members, or provide control joints to counteract wood shrinkage.

- B. Applying Exterior Gypsum Panels For Ceilings
 - 1. Apply Panels perpendicular to supports, with end joints staggered and located over supports.
 - a. Install with ¼ inch open space where panels abut other construction or structural penetrations. Seal joints between panel edges and abutting surfaces with acoustical sealant.
 - b. Fasten with corrosion-resistant screws or nails.
- C. Joint Treatment:
 - 1. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface.
 - 2. Feather coats on to adjoining surfaces so that camber is maximum 1/32 inch.

3.4 PROTECTION

- A. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other cases during remainder of the construction period.
- B. Remove and replace panels that are wet, moisture damaged, and mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging or irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration..

3.5 ERECTION TOLERANCES

- A. Maximum Variation of Finished Gypsum Board Surface from Flat Surface: 1/8 inch in 10 feet.

END OF SECTION