

ADDENDUM 001 Request for Bid Sign Shop Reroof RFB 9-160407KH

Bidders should acknowledge receipt of Addendum 001 (ONE) by signing and including it with the original bid. The due date for receipt of bids **has not** changed by this Addendum; the due date is **April 7, 2016 2:00 PM Central Time**. Accordingly, the following clarifications, and or additional information, are believed to be of general interest to all potential bidders. All other terms and conditions remain unchanged and in full force.

Name and Title of Signer (Print or type)	Name and Title of Department Authority Kristi Hixson General Services Senior Specialist
Contractor/Offeror Signature (Signature of person authorized to sign)	Department of Transportation <i>Kristi Hixson</i> (Authorizing Signature)
Date Signed:	Date Signed: 3/31/2016

Contractor will be responsible to reapply Erathane 300 Finish Coat, white in color, on any disturbed portion of the existing metal roof.

Metal roof must be 26 gauge.

All warranties for products as required in the specifications.

Contractor must include in bid amount all cost associated with removing and replacing ten (10) 4'x8' sheets of roof sheathing to match and ten (10) 4'x8' sheets of recovery board to match for any unknown damaged sheets. Per attached specification 06112 Framing and Sheathing. The unit cost per sheet on bid form for removing and replacing sheets of plywood and fiberboard will be used if additional sheets are needed. See revised bid form. **Revised Bid Form attached.**



Question: Are the metal panels to be an “R” type panel with 36” coverage or a standing seam type panel and if standing seam what is the panel width? If it is an “R” panel what are the fastening requirements? Will you approve alternate panels if submitted?

Answer: The metal panels must be an “R” type panel with 36” coverage and “Drip X” coating. Fasteners per manufacture recommendations. The metal panels must have a “Drip X” type coating. No standing seam roofing required. Substitution requests are not reviewed for approval until the submittal process once the bid is awarded.

Question: The specifications list the following manufacturer’s as acceptable. Calisle, Firestone and Good Year. Can Genflex Roofing Systems be considered an acceptable alternate. It is manufactured by Firestone Building Products Company, carries all the testing and approvals, has the same sales Reps, and is inspected by the same technical field reps. Attached to this email is a letter detailing the equivalency.

Answer: Yes, as long as they follow the spec in thickness and performance.

Question: In the specifications one section refers to a 60 mil nominal thickness EPDM (black), in another section it refers to EPDM securement with Carlisle Fast 100 for fleece back. Since Firestone does not produce a fleece back EPDM can standard EPDM be used? If fleece back is required can a 60 mil reinforced fleeceback TPO be used?

Answer: A fleece back 60 mil reinforced fleece back TPO may be used.

Question: The specification for the soffit calls for a 50 year limited lifetime warranty. Is there an example of a manufacturer that makes the specified soffit with the specified warranty required?

Answer: Multiple manufactures can be found with the 50-year warranty searching on the internet. ACM-Metals for one.

FRAMING AND SHEATHING

PART 1 GENERAL

1.1 REFERENCES

- A. AHA (American Hardboard Association) A135.4 - Basic Hardboard.
- B. ALSC (American Lumber Standards Committee) - Softwood Lumber Standards.
- C. ANSI A208.1 - Mat-Formed Wood Particleboard.
- D. APA (American Plywood Association).
- E. NFPA (National Forest Products Association).
- F. SPIB (Southern Pine Inspection Bureau).
- G. WCLIB (West Coast Lumber Inspection Bureau).
- H. WWPA (Western Wood Products Association).

1.2 SUBMITTALS FOR REVIEW

- A. Shop Drawings for Site Fabricated Truss Frame: Indicate dimensions, wood species and grades, component profiles, drilled holes, fasteners, connectors, erection details and sequence.

1.3 QUALITY ASSURANCE

- A. In lieu of grade stamping exposed to view lumber and plywood, submit manufacturer's certificate certifying that products meet or exceed specified requirements.
- B. Design structural shop fabricated trusses under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed in the State of Missouri.

1.4 DELIVERY, STORAGE AND PROTECTION

- A. Section 01600 - Material and Equipment: Transport, handle, store and protect products.
- B. Protect trusses from warping or other distortion by stacking in vertical position, braced to resist movement.

PART 2 PRODUCTS

2.1 SHEATHING MATERIALS

- A. Plywood Roof Sheathing: APA Rated Sheathing Structural I Exposure Durability 1; unsanded and match existing depth.

2.3 SHEATHING AND UNDERLAYMENT LOCATIONS

- A. 1/12 (plus or minus), sloped Treated Roof Plywood Sheathing: 3/4" thick (field verify), 48 x 96 inch sized sheets, square edges.

2.4 ACCESSORIES

- A. Fasteners and Anchors:
 - 1. Fasteners: Stainless steel for high humidity and treated wood locations.
- B. Plywood Glue: APA AFG-01, waterproof of solvent base, air cure type, and cartridge dispensed.

PART 3 EXECUTION

3.1 FRAMING

- A. Set structural members level and plumb, in correct position.
- B. Make provisions for erection loads and for sufficient temporary bracing to maintain structure safe, plumb and in true alignment until completion of erection and installation of permanent bracing.
- C. Place horizontal members, crown side up.

3.2 SHEATHING

- A. Secure roof sheathing with longer edge perpendicular to framing members and with ends staggered and sheet ends over bearing.
- B. Use sheathing clips between sheets between roof framing members. Provide solid edge blocking between sheets. Fully engage tongue and groove edges.
- C. Secure wall sheathing with long dimension parallel to wall studs, with ends over firm bearing and staggered.
- D. Secure sheathing with longer edge perpendicular to framing and with end joints staggered and sheet ends over bearing. Attach with glue and screws.

3.3 TOLERANCES

- A. Framing Members: 1/4 inch from true position, maximum.

PART 3 EXECUTION

3.1 FRAMING

- A. Set structural members level and plumb, in correct position.
- B. Make provisions for erection loads and for sufficient temporary bracing to maintain structure safe, plumb and in true alignment until completion of erection and installation of permanent bracing.
- C. Place horizontal members, crown side up.
- D. Construct load bearing framing members' full length with 18" splices.

3.2 SHEATHING

- A. Secure roof sheathing with longer edge perpendicular to framing members and with ends staggered and sheet ends over bearing.
- B. Use sheathing clips between sheets between roof framing members. Provide solid edge blocking between sheets. Fully engage tongue and groove edges.
- C. Secure wall sheathing with long dimension parallel to wall studs, with ends over firm bearing and staggered.
- D. Place building paper horizontally over mansard sheathing; weather lap edges and ends.

3.3 TOLERANCES

- A. Framing Members: 1/4 inch from true position, maximum.

END OF SECTION

BID FORM (REVISED)

To: The Missouri Highway and Transportation Commission
PO Box 270
Jefferson City, Missouri 65102

1. The undersigned, having examined the proposed Contract Documents titled: **9-160407KH – Sign Shop Reroof** and having visited the site and examined the conditions affecting the work, hereby proposes and agrees to furnish all labor, materials, equipment and everything which may be necessary or incidental thereto, as proposed by said Contract Documents, all to the satisfaction of the General Services-Facility Operations Supervisor or designated representative of the Missouri Department of Transportation and the Missouri Highway and Transportation Commission, for the stipulated sum of:

Base Bid

	Unit Cost	Quantity	Total
Lump Sum amount for work associated with removal and replacement of roof (not to include material and labor for removing and replacing roof sheathing and recovery board sheets)	\$ _____	1	\$ _____
Unit price for material and labor for removing and replacing roof sheathing sheets* (per specifications)	\$ _____/per sheet	X 10 sheets	\$ _____
Unit price for material and labor for removing and replacing recovery board sheets* (per specifications)	\$ _____/per sheet	X 10 sheets	\$ _____
*If the number of sheets increases or decreases, the unit cost per sheet will be used. MoDOT will receive credit for any sheets under 10 not used.	Total		\$ _____

2. The undersigned, acknowledges having examined and being familiar with the contract documents including the drawings, the Instructions to Bidders, General Conditions, Supplementary Conditions and the body of technical specifications.
3. The undersigned acknowledges receipt of Addenda number _____ through _____ inclusive.
4. Enclosed with this bid is bid security in the amount of not less than 5% of the bidder's proposed Contract Sum, the amount being _____ DOLLARS
(\$ _____).

IF AN INDIVIDUAL

Name of individual

Social Security Number

Firm Name, If Any

Address for communications

Residence address

Telephone Number

Signature

IF A PARTNERSHIP

Name of Partnership

Partner

Partner

Address for Communications

Telephone Number

(State Name and Residence Address of All Partners)

Residence Address

Residence Address

Federal Tax I.D. Number

Signature of Either Partner

IF A CORPORATION

Name of Corporation

Incorporated under the laws of the
State of _____

Name and Title of Officer

Corporate License No. _____
(If a corporation organized in a state other than
Missouri, attach Certificate of Authority to do
business in the State of Missouri.)

Signature of officer

Federal Tax I.D. Number

Address for Communications

(ATTEST)

Telephone Number

(SEAL)

Secretary

(Each bidder must complete the Bid Form by signing in the proper signature line above and by supplying the required information called for in connection with the signature. The information called for is necessary in the proper preparation of the contract and performance bond.)