



**INVITATION TO BID ON REPAIR OF
ROOF AT 123 N. HAZEL STREET,
DANVILLE, IL**

**For
VERMILION COUNTY BOARD
6 N Vermilion
Danville, IL 61832**

Bids are invited for repair work on the roof at Vermilion County Buildings and Grounds for the Vermilion County Board office for work to be performed in the Vermilion County Buildings and Grounds, 123 North Hazel St., Danville, IL 61832.

A single lump bid will be required for the work of the project.

Sealed bids, **submitted in duplicate**, will be received until 11:00 a.m. on **Tuesday, July 7, 2015** at the office of the Vermilion County Board, 6 N Vermilion, Danville, IL 61832. Bids offered after this time will not be considered. Bids will be publicly opened, read aloud and shall be open to public inspection in the Vermilion County Board office for a period of at least forty-eight (48) hours before an award of the contract is made.

Bid documents may be examined at the office of the Vermilion County Board. A limit of one (1) complete set of documents may be obtained at the office of the Vermilion County Board.

The Owner reserves the right to reject any or all proposals, to waive any informality in the bidding, and to accept that proposal which the owner considers to be in its best interest.

A limit of one (1) complete set of documents may be obtained by calling the Vermilion County Board Office at (217) 554-6000.

**By: Mike Marron
Vermilion County Board Chairman**



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To schedule a walk-through of the site or to answer any questions - contact:

Brad Johnson (217) 274-0193

Dave Peirson (217) 274-0190

All questions should be received no later than five (5) days before the proposal opening.

INSTRUCTION TO BIDDERS

1.01 PROJECT

Roof repair on the roof at 123
N. Hazel Street Danville, IL
61832.

1.02 CONTACT PERSON

Brad Johnson
Building & Grounds
123 N Hazel Street
Danville, IL 61832
(217) 274-0190
e-mail: bjohnson@vercounty.org

Dave Peirson
Building & Grounds
123 N Hazel Street
Danville, IL 61832
(217) 274-0193
e-mail: drpeirson@vercounty.org

1.03 BIDS

Bids to be considered must be made in accordance with the instructions contained herein.

Bids shall be submitted **in duplicate** on forms furnished with this specification. The bidder must by interlineation or by separate document indicate their compliance with every paragraph and subparagraph of the attached bid specifications. If a separate document is used, it must refer to each paragraph and subparagraph to indicate compliance with all specifications. Bids shall be submitted in an opaque, sealed envelope on or before the time stated and shall bear the name of the individual, firm, or corporation submitting the bid and the title of the project.

If the bidder is a corporation, the proposal shall bear the legal name of the corporation and the corporation seal. The bid shall be signed by an officer authorized to bind the corporation to a contract and the signer's signature shall be attested to another office of the corporation.

All Contracts for the Construction of Public Works are subject to the Illinois Prevailing Wage Act (820 ILCS 130/1-12). Any bidder must acknowledge the Contractor's Addendum concerning compliance with State and Federal laws.

1.04 DOCUMENTS

Documents for the bid will be available for examination and will be obtainable from the Vermilion County Board office during regular business hours.

Prospective bidders may obtain a limit of one complete set of documents for bidding purposes.

1.05 EXAMINATION OF DOCUMENTS

Upon submitting a bid, it is presumed that the bidder has acquainted himself with the Specifications prepared by the Owner. It is understood that omissions from the bid requirements due to the failure of the bidder to fully acquaint himself with the requirements of the Documents will not entitle the bidder to additional consideration of compensation, if awarded the contract.

1.06 INTERPRETATION OF DOCUMENTS

Interpretations of the meaning of the Bid Requirements, or of the bid Contract Documents will be valid only if issued in writing by the Owner as Addenda. Such Addenda will be issued no later than three days prior to the date for receiving bids. Each Addendum will be numbered and dated and issued to all prospective bidders of record at the time of issuance. The interpretations or clarifications made other than by such Addenda will not be binding upon the Owner. Each bidder submitting a bid must acknowledge receipt of Addendum received in the blanks provided for this purpose in the proposal form.

Should a bidder find discrepancies in, or omissions from the Documents, or should he be in doubt as to the meaning of any requirements in the Documents, he shall at once notify the Owner in writing, but in no event later than five days prior to the date for receiving proposals. Conflicting requirements brought to the Owner's attention subsequent to five days prior to the date for receiving bids will be subject to the Owner's decision and at no additional cost to the Owner.

1.07 SUBMISSION OF BIDS

Bids will be received at the time and location stated in the Invitation for Bids.

Bids received after the time set for receiving bids will not be considered. Bids will be opened and read aloud immediately at 11:00 AM ON JULY 7, 2015 after the receipt of bids.

1.08 MATERIAL

No re- built, re-conditioned, re-furbished or previously used equipment is acceptable.

1.09 METHOD OF AWARD - LOWEST QUALIFIED BIDDER

If at the time a Contract is to be awarded, the lowest base bid submitted by responsible bidder, including listed alternated, do not exceed the amount of funds then estimated by the Owner as available to finance the Contract, the Contract will be awarded based upon the base bids and the listed alternates as outlined in paragraph 1.12 below.

1.10 RETAIL SALES TAX EXEMPTION

Retail sales taxes shall not be included in the bid amount.

1.11 ADDITIONAL CONDITIONS

Prices must include delivery. Any damaged item must be replaced by the successful bidder.

All bidders must provide evidence of compliance with Federal Equal Opportunity Employment requirements and the Illinois Human Rights Act; produce evidence of a federal employer tax number, proof of insurance in the amounts shown in contractor's addendum, attached.

The County will pay one half of the bid amount to begin the work and the balance upon completion and acceptance of the work by the County.

Any subcontractors must be identified in the Bid.

1.12 AWARD OF CONTRACT

- A. The County reserves the rights to waive any informality in or to reject any or all bids and to accept any bids deemed most favorable to the interest of the County after all bids have been examined and tabulated.
- B. The County may award a contract on individual items within a particular group or on the total group of items.
- C. Contracts shall be awarded to the lowest responsible bidder on the basis of the bid that is in the best interests of the County to accept. In awarding the contract, in addition to price, the County will consider:
 - a. the ability, capacity, and skill of the bidder to perform the contract to provide the service required;
 - b. whether the bidder can perform the contract or provide the service promptly, or within the time specified, without delay or interference;
 - c. the character, integrity, reputation, judgment, experience, and efficiency of the bidder;
 - d. the quality of the performance of previous contracts or services;
 - e. the previous and existing compliance by the bidder with laws and ordinances relating to the contract or service;
 - f. the sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service;
 - g. the quality, availability, and adaptability of the supplies or contractual services to the particular use required;
 - h. the ability of the bidder to provide future maintenance and service for the use of the subject of the contract; and
 - i. the number and scope of conditions attached to the bid.
- D. The County shall not accept the bid of a contractor who is in default on the payment of taxes, licenses, or other money due the County.

BID FORM

TO: County Board Office
Attn: Repair Work on the Roof at 123 N. Hazel Street Building
Courthouse Annex
6 N Vermilion
Danville, IL 61832

FOR: Repair Work on the Roof at 123 N. Hazel Street Building
For the Vermilion County Board Office
located at

123 N. Hazel Street
Danville, IL 61832

FROM: _____

The undersigned having familiarized himself with all requirements of the proposed Contract Documents as prepared by the Owner and duly issued Addenda to said Documents, as acknowledged herein, proposes to furnish all things as required by said Documents and Addenda thereto for Base Bid stated below.

BASE PROPOSAL: For the **Building and Grounds Roof Repair**, the bid amount

is _____ Dollars (\$ _____).

TIME OF COMPLETION

If awarded the contract, the undersigned agrees to commence work as bid herein on the date of the Notice To Proceed issued by the County, and to complete the project not later than 30 Days after the Notice to Proceed is issued unless there is a delay due to weather or reasons agreed upon by the owner and bidder.

ADDENDUM RECEIPT

Receipt of the following Addenda to the Proposal Requirements and Contract Documents are acknowledged:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

All Contracts for the Construction of Public Works are subject to the Illinois Prevailing Wage Act (820 ILCS 130/1-12).

BID GUARANTEE

The undersigned agrees that the County shall have the right to retain this bid for a period of Sixty (60) days from the date of receiving bids and guarantee the amount or amounts set forth herein to be firm for the same Sixty (60) day period.

It is understood and agreed that the County reserves the right to award the contract to his best interests, to reject any or all bids, to waive any informalities in the bidding, and to hold all bids for the bid guarantee period.

Signed and Sealed this _____ day of _____ 2015.

Business Name _____

Business Address _____

Telephone _____

By: _____
(Printed Name of Signer)

Signature _____

Title _____

(SEAL)

Attest (If a Corporation)

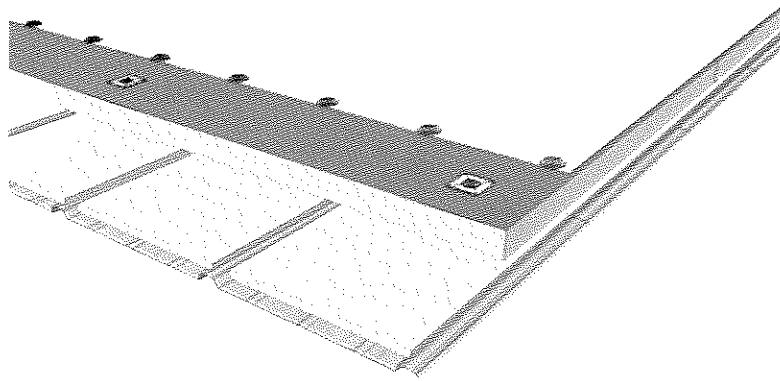
Title

Maintenance Building

123 North Hazel
Danville, IL 61832

North Half

Prepared For: Mr. Dave Peirson
Vermilion County Building and Grounds



Roof Assembly Description

- **PVC thermoplastic membrane**
Membrane Thickness: 50 mil
Color: White
Attachment: Attached with mechanical fasteners
- **Polyisocyanurate (flat)**
Attachment: Attached with mechanical fasteners
- **Type VIII EPS (Flute Filler)**
Attachment: Loosely laid
- **Existing Metal Roof**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Overlay existing metal roof.
- B. PVC thermoplastic membrane attached with mechanical fasteners.
- C. Polyisocyanurate (flat), attached with mechanical fasteners.
- D. Type VIII EPS (Flute Filler), loosely laid.
- E. Prefabricated flashings, corners, parapets, stacks, vents, and related details.
- F. Fasteners, adhesives, and other accessories required for a complete roofing installation.
- G. Traffic Protection.

1.2 REFERENCES

- A. NRCA - The NRCA Roofing and Waterproofing Manual.
- B. ASCE 7 - Minimum Design Loads For Buildings And Other Structures.
- C. UL - Roofing Materials and Systems Directory, Roofing Systems (TGFU.R10128).
- D. ASTM C 1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board.
- E. ASTM D 751 - Standard Test Methods for Coated Fabrics.
- F. ASTM D 4434 - Standard Specification for Poly(Vinyl Chloride) Sheet Roofing.
- G. ASTM E 108 - Standard Test Methods for Fire Tests of Roof Coverings.
- H. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials.

1.3 SYSTEM DESCRIPTION

- A. General: Provide installed roofing membrane and base flashings that remain watertight; do not permit the passage of water; and resist specified uplift pressures, thermally induced movement, and exposure to weather without failure.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by roofing membrane manufacturer based on testing and field experience.
- C. Physical Properties:
 - 1. Roof product must meet the requirements of Type III PVC sheet roofing as defined by ASTM D 4434 and must meet or exceed the following physical properties.
 - 2. Thickness: 50 mil, nominal, in accordance with ASTM D 751.
 - 3. Thickness Over Scrim: ≥ 28 mil in accordance with ASTM D 751.
 - 4. Breaking Strengths: ≥ 390 lbf. (MD) and ≥ 438 lbf. (XMD) in accordance with ASTM D 751, Grab Method.
 - 5. Elongation at Break: $\geq 31\%$ (MD) and $\geq 31\%$ (XMD) in accordance with ASTM D 751, Grab Method.
 - 6. Heat Aging in accordance with ASTM D 3045: 176 °F for 56 days. No sign of cracking,

chipping or crazing. (In accordance with ASTM D 4434).

7. Factory Seam Strength: ≥ 417 lbf. in accordance with ASTM D 751, Grab Method.
8. Tearing Strength: ≥ 132 lbf. (MD) and ≥ 163 lbf. (XMD) in accordance with ASTM D 751, Procedure B.
9. Low Temperature Bend (Flexibility): Pass at -40 °F in accordance with ASTM D 2136.
10. Accelerated Weathering: No cracking, checking, crazing, erosion or chalking after 5,000 hours in accordance with ASTM G 154.
11. Linear Dimensional Change: $< 0.5\%$ in accordance with ASTM D 1204 at 176 ± 2 °F for 6 hours.
12. Water Absorption: $< 1.7\%$ in accordance with ASTM D 570 at 158 °F for 166 hours.
13. Static Puncture Resistance: ≥ 56 lbs. in accordance with ASTM D 5602.
14. Dynamic Puncture Resistance: ≥ 14.7 ft-lbf. in accordance with ASTM D 5635.

D. Cool Roof Rating Council (CRRC):

1. Membrane must be listed on CRRC website.
 - a. Initial Solar Reflectance: $\geq 88\%$
 - b. Initial Thermal Emittance: $\geq 87\%$
 - c. Initial Solar Reflective Index (SRI): ≥ 111
 - d. 3-Year Aged Solar Reflectance: $\geq 68\%$
 - e. 3-Year Aged Thermal Emittance: $\geq 84\%$
 - f. 3-Year Aged Solar Reflective Index (SRI): ≥ 82

E. Insulation

1. Provide overall thermal resistance for roofing system as follows:
 - a. Minimum R-value: 8.8.
2. Install using a minimum of two layers.
3. Configuration as indicated on the Drawings.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
 4. Maintenance requirements.
- C. Shop Drawings: Indicate insulation pattern, overall membrane layout, field seam locations, joint or termination detail conditions, and location of fasteners.

- D. Verification Samples: For each product specified, two samples, representing actual product, color, and finish.
 - 1. 4 inch by 6 inch sample of roofing membrane, of color specified.
 - 2. 4 inch by 6 inch sample of walkway pad.
 - 3. Termination bar, fascia bar with cover, drip edge and gravel stop if to be used.
 - 4. Each fastener type to be used for installing membrane, insulation/recover board, termination bar and edge details.
- E. Installer Certification: Certification from the roofing system manufacturer that Installer is approved, authorized, or licensed by manufacturer to install roofing system.
- F. Manufacturer's warranties.

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with manufacturer's installation instructions.
- B. Manufacturer Qualifications: A manufacturer specializing in the production of PVC membranes systems and utilizing a Quality Control Manual during the production of the membrane roofing system that has been approved by and is inspected by Underwriters Laboratories.
- C. Installer Qualifications: Company specializing in installation of roofing systems similar to those specified in this project and approved by the roofing system manufacturer.
- D. Source Limitations: Obtain components for membrane roofing system from roofing membrane manufacturer.
- E. There shall be no deviations from the roof membrane manufacturer's specifications or the approved shop drawings without the prior written approval of the manufacturer.

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable code for roof assembly wind uplift and fire hazard requirements.
- B. Fire Exposure: Provide membrane roofing materials with the following fire-test-response characteristics. Materials shall be identified with appropriate markings of applicable testing and inspecting agency.
 - 1. Exterior Fire-Test Exposure:
 - a. Class A; ASTM E 108, for application and roof slopes indicated.
 - 2. Fire-Resistance Ratings: Comply with ASTM E 119 for fire-resistance-rated roof assemblies of which roofing system is a part.
 - 3. Conform to applicable code for roof assembly fire hazard requirements.
- C. Wind Uplift:
 - 1. Roofing System Design: Provide a roofing system designed to resist uplift pressures calculated according to the current edition of the ASCE-7 Specification *Minimum Design Loads for Buildings And Other Structures*.

1.7 PRE-INSTALLATION MEETING

- A. Convene meeting not less than one week before starting work of this section.
- B. Review methods and procedures related to roof deck construction and roofing system including, but not limited to, the following.
 - 1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, roofing installer, roofing system manufacturer's representative, deck installer, and installers whose work interfaces with or affects roofing including installers of roof accessories and roof-mounted equipment.
 - 2. Review and finalize construction schedule and verify availability of materials, installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 3. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
 - 4. Review structural loading limitations of roof deck during and after roofing.
 - 5. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect roofing system.
 - 6. Review governing regulations and requirements for insurance and certificates if applicable.
 - 7. Review temporary protection requirements for roofing system during and after installation.
 - 8. Review roof observation and repair procedures after roofing installation.

1.8 DELIVERY, STORAGE AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Store roof materials and place equipment in a manner to avoid permanent deflection of deck.
- E. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.9 WARRANTY

- A. Contractor's Warranty: The contractor shall warrant the roof application with respect to workmanship and proper application for two (2) years from the effective date of the warranty issued by the manufacturer.
- B. Manufacturer's Warranty: Must be no-dollar limit type and provide for completion of repairs, replacement of membrane or total replacement of the roofing system at the then-current material and labor prices throughout the life of the warranty. In addition the warranty must meet the following criteria:
 - 1. Warranty Period: 15 years from date issued by the manufacturer.

2. No exclusions for incidental or consequential damages.
3. No exclusion for damage caused by ponding water.
4. No exclusion for damage caused by biological growth.
5. Issued direct from and serviced by the roof membrane manufacturer.
6. Transferable for the full term of the warranty.
7. No additional charge for the warranty.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. All roofing system components to be provided or approved by roof system manufacturer.

2.2 ROOFING SYSTEM COMPONENTS

- A. Roofing Membrane: PVC thermoplastic membrane conforming to ASTM D 4434, type III, fabric-reinforced, PVC. Membrane properties as follows:
 1. Thickness:
 - a. 50 mil.
 2. Exposed Face Color:
 - a. White.
- B. Accessory Materials: Provide accessory materials supplied by or approved for use by roof system manufacturer
 1. Sheet Flashing: Manufacturer's standard reinforced PVC sheet flashing.
 2. Factory Prefabricated Flashings: manufactured using Manufacturer's standard reinforced PVC membrane.
 - a. Stack Flashings.
 - b. Curb Flashings.
 - c. Inside and Outside Corners.
 3. Sealants and Adhesives: Compatible with roofing system and supplied by roof system manufacturer.
 - a. Caulk.
 - b. Strip Mastic.
 4. Slip Sheet: Compatible with roofing system and supplied by roof system manufacturer.
 5. Fasteners and Plates: Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FMG 4470, designed for fastening membrane and insulation to substrate. Supplied by roof system manufacturer.
 - a. #14 Heavy Duty Fasteners.
 - b. Polyethylene Membrane Plates.
 - c. Insulation Plates.
 6. Termination and Edge Details: Supplied by roof system manufacturer.

- a. Termination Bar.
 - b. 2-Piece Edge Metal System.
 - 7. Vinyl Coated Metal: 24 gauge, hot-dipped galvanized, grade 90 metal with a minimum of 17 mil of PVC roofing membrane laminated to one side.
 - 8. Two-Way Roof Vents: Supplied by roof system manufacturer. Install a minimum of 1 vent for each 1,000 ft² (93 m²) of roof area.
- C. Walkways:
- 1. Provide non-skid, maintenance-free walkway pads in areas of heavy foot traffic and around mechanical equipment.
 - a. Walkway Pad.

2.3 ROOF INSULATION

- A. General:
- 1. Provide preformed roof insulation boards that comply with requirements and referenced standards, as selected from manufacturer's standard sizes.
 - 2. Provide preformed saddles, crickets, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.
- B. Polyisocyanurate Board Insulation: Complying with ASTM C 1289, Type II, felt or glass-fiber mat facer on both major surfaces. Material as supplied by roof system manufacturer.
- 1. Polyisocyanurate (flat).
- C. Flute Filler: Material as supplied by roof system manufacturer.
- 1. Provide precut insulation to fill the flutes between the ribs of the metal roof.
 - a. Type VIII EPS Insulation.

2.4 ROOF INSULATION ACCESSORIES

- A. General: Provide roof insulation accessories approved by the roof membrane manufacturer and as recommended by insulation manufacturer for the intended use.
- B. Fasteners: Provide factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FMG 4470, designed for fastening insulation and/or insulation cover boards in conformance to specified design requirements.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that the surfaces and site conditions are ready to receive work.
- B. Verify that the deck is supported and secured.
- C. Verify that the deck is clean and smooth, free of depressions, waves, or projections, and properly sloped to drains, valleys, eaves, scuppers or gutters.
- D. Verify that the deck surfaces are dry and free of standing water, ice or snow.
- E. Verify that all roof openings or penetrations through the roof are solidly set.
- F. If substrate preparation is the responsibility of another contractor, notify Architect of

unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Surfaces shall be clean, smooth, free of fins, sharp edges, loose and foreign material, oil, grease, and bitumen.

3.3 INSTALLATION

- A. Install insulation in accordance with the roof manufacturer's requirements.
- B. Insulation: Polyisocyanurate (flat).
 - 1. Install insulation in accordance with the roof manufacturer's requirements.
 - 2. Insulation shall be adequately supported to sustain normal foot traffic without damage.
 - 3. Where field trimmed, insulation shall be fitted tightly around roof protrusions with no gaps greater than ¼ inch.
 - 4. No more insulation shall be applied than can be covered with the roof membrane by the end of the day or the onset of inclement weather.
 - 5. If more than one layer of insulation is used, all joints between subsequent layers shall be offset by at least 6 inches.
 - 6. Mechanical Attachment: Use only fasteners, stress plates and fastening patterns accepted for use by the roof manufacturer. Fastening patterns must meet applicable design requirements.
 - a. Install fasteners in accordance with the roof manufacturer's requirements. Fasteners that are improperly installed must be replaced or corrected.
 - 7. Mechanically attach Polyisocyanurate (flat) insulation boards in parallel courses with end joints staggered 50% and adjacent boards butted together with no gaps greater than ¼ inch.
- C. Roof Membrane: 50 mil, PVC thermoplastic membrane.
 - 1. Use only fasteners, stress plates and fastening patterns accepted for use by the roof manufacturer. Fastening patterns must meet the applicable design requirements.
 - 2. Install fasteners in accordance with the roof manufacturer's requirements. Fasteners that are improperly installed shall be replaced or corrected.
 - 3. Mechanically fasten membrane to the structural deck utilizing fasteners and fastening patterns that in accordance with the roof manufacturer's requirements.
 - 4. Cut membrane to fit neatly around all penetrations and roof projections.
 - 5. Unroll roofing membrane and positioned with a minimum 6 inch overlap.
- D. Seaming:
 - 1. Weld overlapping sheets together using hot air. Minimum weld width is 1-1/2 inches.
 - 2. Check field welded seams for continuity and integrity and repair all imperfections by the end of each work day.
- E. Membrane Termination/Securement: All membrane terminations shall be completed in accordance with the membrane manufacturer's requirements.

3-Part Specification
Division 07 54 19 - Polyvinyl-Chloride Roofing

1. Provide securement at all membrane terminations at the perimeter of each roof level, roof section, curb flashing, skylight, expansion joint, interior wall, penthouse, and other similar condition.
 2. Provide securement at any angle change where the slope or combined slopes exceeds two inches in one horizontal foot.
- F. Flashings: Complete all flashings and terminations as indicated on the drawings and in accordance with the membrane manufacturer's requirements.
1. Provide securement at all membrane terminations at the perimeter of each roof level, roof section, curb flashing, skylight, expansion joint, interior wall, penthouse, and other similar condition.
 - a. Do not apply flashing over existing thru-wall flashings or weep holes.
 - b. Secure flashing on a vertical surface before the seam between the flashing and the main roof sheet is completed.
 - c. Extend flashing membrane a minimum of 6 inches (152 mm) onto the main roof sheet beyond the mechanical securement.
 - d. Use care to ensure that the flashing does not bridge locations where there is a change in direction (e.g. where the parapet meets the roof deck).
 2. Penetrations:
 - a. Flash all pipes, supports, soil stacks, cold vents, and other penetrations passing through the roofing membrane as indicated on the Drawings and in accordance with the membrane manufacturer's requirements.
 - b. Utilize custom prefabricated flashings supplied by the membrane manufacturer.
 - c. Existing Flashings: Remove when necessary to allow new flashing to terminate directly to the penetration.
 3. Pipe Clusters and Unusual Shapes:
 - a. Clusters of pipes or other penetrations which cannot be sealed with prefabricated membrane flashings shall be sealed by surrounding them with a prefabricated vinyl-coated metal pitch pan and sealant supplied by the membrane manufacturer.
 - b. Vinyl-coated metal pitch pans shall be installed, flashed and filled with sealant in accordance with the membrane manufacturer's requirements.
 - c. Pitch pans shall not be used where prefabricated or field fabricated flashings are possible.
- G. Roof Drains:
1. Coordinate installation of roof drains and vents specified in Section 15146 - Plumbing Specialties.
 2. Remove existing flashing and asphalt at existing drains in preparation for sealant and membrane.
 3. Provide a smooth clean surface on the mating surface between the clamping ring and the drain base.
- H. Edge Details:
1. Provide edge details as indicated on the Drawings. Install in accordance with the membrane manufacturer's requirements.
 2. Join individual sections in accordance with the membrane manufacturer's requirements.

3. Coordinate installation of metal flashing and counter flashing specified in Section 07620.
 4. Manufactured Roof Specialties: Coordinate installation of copings, counter flashing systems, gutters, downspouts, and roof expansion assemblies specified in Section 07710.
- I. Walkways:
1. Install walkways in accordance with the membrane manufacturer's requirements.
 2. Provide walkways where indicated on the Drawings.
 3. Install walkway pads at roof hatches, access doors, rooftop ladders and all other traffic concentration points regardless of traffic frequency. Provided in areas receiving regular traffic to service rooftop units or where a passageway over the surface is required.
 4. Do not install walkways over flashings or field seams until manufacturer's warranty inspection has been completed.
- J. Water cut-offs:
1. Provide water cut-offs on a daily basis at the completion of work and at the onset of inclement weather.
 2. Provide water cut-offs to ensure that water does not flow beneath the completed sections of the new roofing system.
 3. Remove water cut-offs prior to the resumption of work.
 4. The integrity of the water cut-off is the sole responsibility of the roofing contractor.
 5. Any membrane contaminated by the cut-off material shall be cleaned or removed.

3.4 FIELD QUALITY CONTROL

- A. The membrane manufacturer's representative shall provide a comprehensive final inspection after completion of the roof system. All application errors shall be addressed and final punch list completed.

3.5 PROTECTION

- A. Protect installed roofing products from construction operations until completion of project.
- B. Where traffic is anticipated over completed roofing membrane, protect from damage using durable materials that are compatible with membrane.
- C. Repair or replace damaged products after work is completed.

END OF SECTION

Contractor's Addendum

BID # _____

Full Name of Vendor: _____

Main Business Address: _____

Principal Office Address: _____

TO: Vermillion County

General Contract Specifications

INSURANCE REQUIREMENTS:

The following are their requirements for required insurance coverage for any vendor completing work for the County.

Contractor shall procure and maintain, for the duration of the engagement, insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

MINIMUM LIMITS OF INSURANCE

Contractor shall maintain limits no less than the following:

- A. Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, and property damage and \$1,000,000 per occurrence for personal injury. The general aggregate shall be twice the required occurrence limit. Minimum General Aggregate shall be no less than \$2,000,000 or a project/contract specific aggregate of \$1,000,000.
- B. Owners and Contractors Protective Liability (OCP): \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
- C. Business Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage.
- D. Workers' Compensation and Employers' Liability: Workers' Compensation coverage with statutory limits and Employers' Liability limits of \$500,000 per accident.
- E. Builder's Risk: Shall insure against "All Risk" of physical damage, including water damage (flood and hydrostatic pressure not excluded), on a completed replacement cost basis.
- F. Environmental Impairment/Pollution Liability: \$1,000,000 combined single limit per occurrence for bodily injury, property damage and remediation costs.

VERIFICATION OF COVERAGE

Contractor shall furnish the member with certificates of insurance naming the member, its officials, agents, employees and volunteers as additional insureds and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements may be on forms provided by the County and are to be received and approved by the County before any work commences. Other additional insured endorsements may be utilized, if they provide a scope of coverage at least as broad as the coverage stated on the attached endorsement, such as ISO Additional Insured Endorsements CG 2010 or CG 2026 . The County reserves the right to request full certified copies of the insurance policies and endorsements.

OTHER GENERAL CONTRACT SPECIFICATIONS:

PERMITS AND LICENSES

The Contractor shall obtain, at its own expense, all permits and licenses which may be required to complete the contract, and/or required by municipal, state, and federal regulations and laws. All fees shall be included in the bid, no additional compensation will be allowed.

PREVAILING WAGE REQUIREMENTS

A. This Contract includes and incorporates the provisions of the Illinois Prevailing Wage Act (the "Act") (See, 820 ILCS 130/01. et. seq.) as if fully set forth herein. Contractor and subcontractors are responsible for ensuring their understanding of the Act and compliance with all relevant requirements, prerequisites, and aspects of the Act.

B. The Prevailing Wage Act requires that all Contractors and subcontractors performing work on any public works pay the generally prevailing rate of hourly wages and benefits for work of a similar character in the locality in which the work is being performed. If the prevailing wage rates are revised by the Illinois Department of Labor at any time during the term of the Contract, the revised rates shall take effect immediately and shall apply to the work being performed pursuant to this Contract. Contractor and subcontractors shall make payments in accordance with any new or revised prevailing wage rate. Prevailing wage rate updates can be obtained from the Illinois Department Labor at 1 West Old State Capitol Plaza, Room 300, Springfield, Illinois 62701, (217) 782-1710, or on the Internet at <http://www.state.il.us/agency/idol/>.

C. In addition, Contractor and subcontractors shall comply with all other applicable provisions of the Act, including but not limited to the following: Contractor and subcontractors must submit to the County of Vermilion on a monthly basis certified payroll and must maintain those records for at least three years. Pursuant to the Prevailing Wage Act, the Contractor must insert into each subcontract (and each Subcontractor to cause to be inserted into each lower tiered subcontract) and into the project specifications for each subcontract a written stipulation to the effect that not less than the prevailing rate of wages shall be paid to all laborers, workers, and mechanics performing Work under the Contract.

D. Contractor shall defend and hold harmless the County for any claim, suit or action, including costs of defense, expert witness and attorney fees, either at law, equity or in an administrative proceeding, arising from any alleged violation of the Prevailing Wage Act by Contractor or any subcontractors. The requirements of this Section shall survive the termination of the Contract formed hereunder.

INDEMNIFICATION

A. To the fullest extent permitted by law, Contractor shall defend, hold harmless, and indemnify the County, its corporate authorities, trustees, officers, directors, agents, and employees from and against any

and all injury, death, loss, property damage, judgments, liens, claims, suits, liabilities, actions, causes of action, demands, expenses, costs, or other liabilities of any character (including reasonable attorneys fees) arising in whole or in part, relating to or resulting from Contractor's (including Contractor's employees, agents, officers, directors, subcontractors and anyone directly or indirectly employed by Contractor or anyone for whose acts Contractor may be liable): (a) failure to comply with, or violation of, any federal, state or local law, statute, regulation, rule, ordinance, order of governmental directive; (b) acts, omissions or willful misconduct; (c) failure to comply with the terms, conditions, representations, or warranties contained in the Contract Documents; and, d) performance under this Contract. In connection with any such liabilities, the County of Vermilion, its officers, agents, employees, representatives and their assigns shall have the right to defense counsel of its choice and Contractor shall be solely liable for all costs, fees and expenses of such defense. Any insurance policies required to be maintained pursuant to the Contract Documents shall in no way limit the extent of Contractor's responsibility to indemnify as herein provided. The terms of this indemnity shall survive the suspension, expiration or termination of this Contract.

B. Kotecki Waiver: Contractor (and any subcontractor into whose subcontract this clause is incorporated) agrees to assume the entire liability for all personal injury claims suffered by its own employees and waives any limitation of liability defense based upon the Workers' Compensation Act and cases decided thereunder. Contractor agrees to indemnify and defend the County from and against all such loss, expense, damage or injury, including reasonable attorneys' fees, which the County may sustain as a result of personal injury claims by Contractor's employees, except to the extent those claims arise as a result of the County's own negligence.

COMPLIANCE WITH LAWS

A. OSHA STANDARDS

Contractor shall read and comply with all applicable Occupational Safety and Health Act (OSHA) standards. Special attention is directed to the Congressional Federal Register, Volume 58, Number 9, Thursday, January 14, 1993, Part 1910 (Permit Required Confined Spaces for General Industry.) Equipment supplied to the County must comply with all requirements and standards as specified by OSHA. Items not meeting any OSHA specifications will be refused.

B. SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS ACT

1. Prior to commencing any Work, Contractor must demonstrate compliance with the requirements of the Substance Abuse Prevention on Public Works Projects Act (820 ILCS 265/1 et. seq.). Among other things, the Act provides that before commencing work on a public works project, an employer shall have in place a written program for the prevention of substance abuse among its employees which meets or exceeds the program requirements of the Act including, but not limited to, such matters as pre-hire, random, reasonable suspicion and post-accident drug and alcohol testing of employees. The employer's program must be filed with the public body engaged in the construction of the public works and must be made available to the general public.

2. Pursuant to the Substance Abuse Prevention on Public Works Projects Act, an employee may not use, possess, attempt to possess, distribute, deliver, or be under the influence of cannabis or a controlled substance, or use or be under the influence of alcohol, while performing work on a project covered by the Act. An employer may not permit an employee who violates the Act, who tests positive for the presence of a drug, or who refuses to submit to drug or alcohol testing as required under the employer's prevention program to perform work on a public works project until the employee meets certain specified conditions set forth in the Act. An employer shall remove an employee from work on a public works project, and prevent further access to the work, if the employee violates the Act, tests positive for the presence of a drug or alcohol, refuses to submit to drug or alcohol testing as required under the employer's prevention program, or, if there is a reasonable suspicion that the employee is under the influence of a drug or alcohol.

3. Contractor is responsible for reviewing the Substance Abuse Prevention on Public Works Projects Act (820 ILCS 265/1 et. seq.) to ensure compliance its requirements.

C. OTHER LAWS AND REGULATIONS

1. Contractor shall comply with all applicable laws, regulations and rules promulgated by any federal, state, local, or other governmental authority or regulatory body pertaining to all aspects of the Work, now in effect, or which may become in effect during the performance of the Work. The scope of the laws, regulations, and rules referred to in this paragraph includes, but is in no way limited to the Drug-Free Workplace Act, the Illinois Human Rights Act, Illinois Equal Pay Act of 2003, Occupational Safety & Health Act along with the standards and regulations promulgated pursuant thereto (including but not limited to those safety requirements involving work on elevated platforms), all forms of traffic regulations, public utility, Interstate and Intrastate Commerce Commission regulations, Workers' Compensation Laws, Public Construction Bond Act, Prevailing Wage Laws, Smoke Free Illinois Act; Public Works Preference Act, Employment of Illinois Workers on Public Works Act, USA Security Act, federal Social Security Act (and any of its titles), and any other law, rule or regulation of the Illinois Department of Labor, Department of Transportation, Illinois Environmental Protection Act, Illinois Department of Human Rights, Human Rights Commission, EEOC.

2. Contractor shall comply with the provisions of the Illinois Public Works Employment Discrimination Act and the Illinois Human Rights Act/Equal Opportunity Clause which, pursuant to Illinois law, are deemed to be part of this Contract. The relevant provisions are fully incorporated herein by reference and are set forth below.

Illinois Human Rights Act/Equal Opportunity Clause (44 Ill. Admin. Code, Part 750, Appendix A):

EQUAL EMPLOYMENT OPPORTUNITY

In the event of the contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act or the Rules and Regulations of the Illinois Department of Human Rights ("Department"), the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the contractor agrees as follows:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, physical or mental handicap unrelated to ability, military status, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this contract or any portion thereof, it will determine the availability (in accordance with the Department's Rules) of minorities and women in the areas from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, physical or mental handicap unrelated to ability, military status, or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or

representative of the contractor's obligations under the Illinois Human Rights Act and the Department's Rules. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules, the contractor will promptly so notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.

E. That it will submit reports as required by the Department's Rules, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules.

G. That it will include verbatim or by reference the provisions of this clause in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

Collusion:

The Contractor certifies that the prices contained in the proposal have been established without knowledge of any other proposal on this item and the Contractor has not colluded conspired, connived or agreed, directly or indirectly, with any other Contractor, County employee or any person, to fix the bid price submitted by the BIDDER or any other Contractor, and agrees to indemnify the COUNTY for any losses sustained by it due to illegal actions of the Contractor. He also certifies that the Contractor, it's agents, owners, officers or employees have not been convicted or pleaded nolo contendere to bribery, bid rigging, pricing fixing or defrauding a unit of government in violation of Section 33E-3 or 33E-4 of the State of Illinois Criminal Code, 720 ILCS 5/33E-3; 33E-4.

Equal Pay Act:

The successful Contractor, and all subcontractors thereof, shall at all times comply with the provisions of the Illinois Equal Pay Act of 2003, 820 ILCS 112/1, *et seq.*

National Security/USA Patriot Act:

Pursuant to the requirements of the USA Patriot Act and applicable Presidential Executive Orders, Contractors shall represent and warrant to the County that neither it nor any of its principals, shareholders, members, partners, or affiliates, as applicable, is a person or entity named as a Specially Designated National and Blocked Person (as defined in Presidential Executive Order 13224) and that it is not acting, directly or indirectly, for or on behalf of a Specially Designated National and Blocked Person. Contractor shall further represent and warrant to the County of Vermilion that Contractor and its principals, shareholders, members, partners, or affiliates, as applicable, are not, directly or indirectly, engaged in, and are not facilitating, the transactions contemplated by this Agreement on behalf of any person or entity named as a Specially Designated National and Blocked Person. Contractor shall agree to defend, indemnify and hold harmless the County of Vermilion, its Corporate Authorities, and all County of Vermilion elected or appointed officials, officers, employees, agents, representatives, engineers, and attorneys, from and against any and all claims, damages, losses, risks, liabilities, and expenses (including reasonable attorneys' fees and costs) arising from or related to any breach of the foregoing representations and warranties.

Contractor shall further represent and warrant that it is not acting, directly or indirectly, for or on behalf of any person, group, entity, or nation named by the United States Treasury Department as a Specially Designated National

and Blocked Person, or for or on behalf of any person, group, entity, or nation designated in Presidential Executive Order 13224 as a person who commits, threatens to commit, or supports terrorism; and that the Contractor is not engaged in this transaction directly or indirectly on behalf of or facilitating this transaction directly or indirectly on behalf of, any such person, group, entity, or nation. Contractor hereby agrees to defend, indemnify, and hold harmless the County, its Corporate Authorities, and all County elected or appointed officials, officers, employees, agents, representatives, engineers, and attorneys, from and against any and all claims, damages, losses, risks, liabilities, and expenses (including reasonable attorneys' fees and costs) arising from or related to any breach of the foregoing representation and warranty.

Illinois Freedom of Information Act:

Contractor agrees to furnish all documentation related to this Agreement and any documentation related to the County required under an Illinois Freedom of Information Act (ILCS 140/1 et. seq.) ("FOIA") request within five (5) days after County issues notice of such request to Contractor. Contractor agrees to defend, indemnify and hold harmless the County, and agrees to pay all reasonable costs connected therewith (including, but not limited to reasonable attorney's and witness fees, filing fees and any other expenses) for the County to defend any and all causes, actions, causes of action, disputes, prosecutions, or conflicts arising from Contractor's, actual or alleged violation of the FOIA or Contractor's failure to furnish all documentation related to a request within five (5) days after County issues notice of a request.

Furthermore, should Contractor request that the County utilize a lawful exemption under FOIA in relation to any FOIA request thereby denying that request, Contractor agrees to pay all costs connected therewith (such as reasonable attorneys' and witness fees, filing fees and any other expenses) to defend the denial of the request. The defense shall include, but not be limited to, challenged or appealed denials of FOIA requests to either the Illinois Attorney General or a court of competent jurisdiction. Contractor agrees to defend, indemnify and hold harmless the County, and agrees to pay all costs connected therewith (such as reasonable attorneys' and witness fees, filing fees and any other expenses) to defend any denial of a FOIA request by Contractor's request to utilize a lawful exemption to the County.

The Contractor represents and warrants that it has the requisite experience and ability and sufficient capital, facilities, plant, organization, and staffing to enable the Contractor to perform the Work successfully and promptly.

All prices stated herein are firm and shall not be subject to escalation provided the County accepts this offer within 30 days from the date hereof.

DATED: _____, 20__

VENDOR

If Corporation:

By:

Attest:

Its:

Secretary/Assistant
Secretary

TAX EXEMPTION CERTIFICATE

This is to certify that Vermilion County is exempt from Illinois Retailers' Occupational Tax (Sales Tax), the Service Occupation Tax (both State and local), the Use Tax, and the Service Use Tax.

Vermilion County
Tax Identification No. E9992-9724-07