

RECONSTRUCT BANDSTAND

**\*\*From Danville FEGC 028-3(32)**

xx. DESCRIPTION. This work shall consist of partially removing and disposing of an existing bandstand, and designing, furnishing, and installing a new bandstand structure at the location indicated in the Plans and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Section 522 of the Standard Specifications.

xx. DESIGN REQUIREMENTS. The structural design of the bandstand shall be performed in accordance with the Vermont Fire & Building Safety Code - 2006.

xx. PROTECTION. Existing material on this project was painted with a material which may contain lead. The existing shingles may contain asbestos. The removed material is the property of the Contractor. The Contractor shall be responsible for conducting all necessary testing to determine the presence of lead and asbestos in accordance with Vermont State law. These materials shall be removed and disposed of in accordance with Vermont State law. The Contractor shall indemnify and hold the owner and its officers and employees harmless concerning the Contractor's use or disposition of the material.

A minimum of ten days prior to commencing work which involves the handling or disturbance of these components, the Contractor shall provide documents to the Engineer regarding the safe handling of lead and asbestos and collection, storage, and disposal of materials.

xx. MATERIALS. Materials shall meet the requirements of the following Subsections:

Structural Lumber and Timber.....	709.01
Structural Steel.....	714.02

xx. GENERAL FABRICATION REQUIREMENTS. Prior to performing any work under this Section, the Fabricator shall have received approval for all Fabrication Drawings and shall have notified the Engineer a minimum of seven (7) days prior to beginning fabrication. The Contractor shall bear full responsibility for costs of all materials ordered, raw materials stockpiled, and for work performed prior to approval of the Fabrication Drawings or written authorization from the Engineer.

(a) Framing. Framing shall be in accordance with Section 522. Roof sheathing shall be No. 1 or No. 2 spruce-pine-fir, sized by the Contractor. All exposed wood surfaces shall be finished as shown in the Plans and to the satisfaction of the Engineer.

(b) Roofing. The manufacturer of roofing materials shall be a firm with not less than 5 years of successful experience in producing the type of materials required for project applications equivalent to the requirements for this project.

(c) Electrical and Lighting. Electrical feed, power pedestal, lighting, switches, and receptacles shall be installed in

accordance with the Plans. Refer to plans for additional requirements.

xx. SUBMITTALS. Working Drawings shall be submitted to the Engineer in accordance with Section 105. The submittal shall include all detailed design computations and details, dimensions, quantities, and cross sections necessary to construct the structure. The submittal shall include, but not be limited to, all of the following that apply to the structure:

- (a) Complete design calculations substantiating that the proposed structural design of the bandstand satisfies the design parameters in the Vermont Fire & Building Safety Code - 2006. The Contractor shall not start work on any component of the structure for which Working Drawings are required until the Working Drawings have been approved.
- (b) The details for the roof, header, and ceiling framing.
- (c) The details for connection between the column base and foundation.
- (d) The details for the connection between the top of the column and the roof header.
- (e) Any general notes required for the construction of the structure.
- (f) Submittal(s) shall be signed, stamped, and dated by a qualified registered Professional Engineer licensed in the State of Vermont or eligible to practice engineering in the State of Vermont under transient practice provisions of Title 26 VSA, Section 1181a. Any change to the appearance of the structure from what is shown in the Contract Documents shall be subject to the approval of the Owner.

The Contractor shall allow the Agency 30 calendar days to review and approve the Working Drawings. Approval of the Contractor's Working Drawings shall not relieve the Contractor of any responsibility under the Contract for the successful completion of the work.

xx. INSTALLATION.

(a) Framing.

- (1) Erect wood framing members true to lines and levels. Do not deviate from true alignment more than 1/4 inch.
- (2) Space framing members at 16 inches on center unless otherwise noted on Drawings.
- (3) Construct members of continuous pieces of longest possible lengths.
- (4) Provide access to areas above ceiling; incorporate double joist headers at joist ends and around ceiling openings.

- (5) All wood in contact with concrete shall be preservative pressure treated, P.P.T.
- (6) Coating shall be applied in accordance with manufacturer's guidelines and instructions.

(b) Roofing.

- (1) The roofing panels as well as any required underlayment are to be installed by a qualified firm and qualified workmen familiar with the procedure and approved or certified by the manufacturer.
- (2) The metal roofing system installation shall be coordinated with the installation of the structural framing and all other related accessories and appurtenances so as to achieve an integral support system and roof.
- (3) All edges of the panel and accessories as manufactured or modified in the field, as necessary, shall be made free of burrs and sharp edges which would be dangerous or detract from the appearance of the finished product. Edges requiring protection by gasket, paint edging, or coating to maintain the material shall be so protected.
- (4) The length of panels shall be continuous from ridge-to-eave with no intermediate joints. The assembly of the panels shall be with concealed anchor clips of design, material, and fabrication furnished by the manufacturer of the panels. The roofing anchor clips shall be applied to the structure at each panel joint (12 inches on center) at a longitudinal spacing of not greater than 4 inches.
- (5) Protection of Surfaces. Where any component is in contact with, fastened to, or contacted by drainage from dissimilar metals other than stainless steel or zinc, such dissimilar metals shall be given one or more of the following treatments:
  - a. Apply a heavy coat of approved alkali-resistant bituminous paint.
  - b. Storage of roofing and accessories shall be in a dry place to avoid water trapping or condensation or contact with materials which might cause staining, such as lime, cement, fresh concrete, or chemicals.
  - c. No perforations shall be made in the roofing panels by fasteners except the minimum required for installation of flashing, closures, or trim. Roof penetrations for plumbing, ventilators, and any equipment or structures that are supported by the roofing panels shall be installed in accordance with the roofing panel manufacturer's recommendations such that they will allow for thermal movement of the roofing panels.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Reconstruct Bandstand) to be measured for payment will be on a lump sum basis in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Reconstruct Bandstand) will be paid for at the Contract lump sum price. Payment will be full compensation for testing the existing bandstand for lead and asbestos in accordance with Vermont State law; removing, storing, and disposing of the existing bandstand in accordance with Vermont State law, including any required abatement procedures; furnishing and installing a bandstand structure as specified, including all required submittals; and for furnishing all materials, labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.645 Special Provision (Reconstruct Bandstand)	Lump Sum