SECTION 681-0002 – ARCHITECTURAL PANELS

681-0002.01  DESCRIPTION. This work shall consist of furnishing and installing steel architectural panels as shown on the Plans.

681-0002.02  MATERIALS. Materials shall be in accordance with the Plans and specifications and shall be approved by the Engineer prior to use.

681.0002.03  DESIGN REQUIREMENTS. The architectural panels shall be designed and constructed in accordance with the *AASHTO LRFD Bridge Design Specifications* for wind loading, the Plans, and the design criteria.

681-0002.04  SUBMITTALS. Working drawings and design calculations shall be submitted to the Engineer for review and approval in accordance with Subsection 105.06 and shall include the following:

(a) Complete design drawings and calculations substantiating that the proposed design satisfies the design parameters in the Contract.

(b) General notes pertaining to design criteria and erection of the panels.

(c) Procedures for handling, storing, and erection of the panels.

(d) A listing of the summary of quantities.

(e) The details for connection of the panels to the bridge.

(f) Other information required by the Contractor or requested by the Engineer.

(g) Working drawings showing all dimensions necessary to construct the panels. Details not shown on the Plans that are necessary for completing the fabrication drawings shall be developed by the fabricator. The fabrication drawings shall provide a material list on each sheet for tabulating the number of pieces, description, dimensions, type of material, and weight of each piece.

681-0002.05  CONSTRUCTION REQUIREMENTS. Architectural panels shall be fabricated and installed as shown on the Plans and in accordance with the manufacturer’s recommendations.

681-0002.06  METHOD OF MEASUREMENT. The quantity of Architectural Panel to be measured for payment will be the number of square feet installed in the complete and accepted work.

681-0002.07  BASIS OF PAYMENT. The accepted quantity of Architectural Panel will be paid for at the Contract unit price per square foot. Payment will be full compensation for furnishing, erecting, fabricating, transporting, handling, and installing the architectural panels; performing surface preparation and painting or powder coating the components; supplying mounting hardware; and for furnishing all labor, materials tools, equipment, and incidentals to compete the work.

Payment will be made under:

Pay Item Pay Item

681.1010002 Architectural Panel Square Foot