

ITEM 08563.88 M - PRECAST PRECOMPRESSED CONCRETE/STEEL COMPOSITE SUPERSTRUCTURE WITH STEEL SUPPLIED BY THE STATE

DESCRIPTION:

The work shall consist of furnishing and installing precast concrete/steel composite superstructure units at the locations on the plans. The structural steel for the superstructure shall be supplied by the State as noted on the contract plans.

MATERIALS:

Precast Concrete/Steel Unit - These shall be fabricated in accordance with the requirements of subsection 718-61. The inspector's stamp of approval will constitute the basis of acceptance at the work site.

Shear Key Material - This shall meet the requirements of subsection 701-06, Cement Based Grout Material for Shear Keys.

Concrete Repair Material - This shall meet the requirements of subsection 701-04, Concrete Repair Material.

CONSTRUCTION DETAILS:

The requirements of the PCCM, SECTION 8 shall apply, with the following modifications:

1. Subsection 8.3 - Delete. Replace with:

Damaged concrete shall be repaired in a manner approved by the Engineer. Concrete which in the Engineer's opinion cannot be repaired will subject the unit to rejection.

Damaged structural steel shall be repaired in accordance with a procedure developed by the D.C.E.S. If the D.C.E.S. decides that the damaged structural steel cannot be repaired, the unit shall be rejected and removed from the work site.

All damage shall be determined solely the Engineer.

Units which, as determined by the Engineer, do not meet dimensional camber requirements will be subject to rejection.

All units determined by the Engineer to be subject to rejection, will be rejected only with the concurrence of the D.C.E.S.

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All rejected units shall be replaced by new units acceptable to the Engineer.

All repair and replacement work shall be done at no additional cost.

2. All structural steel installation work shall meet the requirements of the SCM. After all installation work is completed the vertical deviation between units, prior to grouting, shall not exceed 6 mm.
3. After unit installation is completed all lifting holes, and concrete defects shall be repaired with concrete repair material. Methods of repair shall be approved by the Engineer prior to any work being done.

METHOD OF MEASUREMENT:

The work will be measured as the number of square meters of structural slab wearing surface installed. Measurement will be taken as the horizontal plane projection of the top of the structural slab. Measurement will be taken from outside edge to outside edge of the top surface. No deduction will be made for joints, or chamfers.

BASIS OF PAYMENT:

The unit price bid per square meter shall include the cost of all labor, materials, and equipment necessary to complete the work.

Progress payments will be made for the area of units furnished and placed in accordance with the plans and specifications exclusive of filling joints. Payment will be made for 9-% of the quantity properly placed.

The remaining area will be authorized for payment upon the filling of all shear key joints, painting of connectors, and repair of damaged paint.