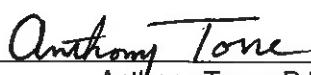


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| <b>SUPERSEDED BY</b><br><b>EB 15-031</b><br><b>EFFECTIVE 9/28/15</b>                                                                                                                                                                                                                                                                                                              |  | New York State<br>Department of<br>Transportation<br><b>ENGINEERING<br/>         INSTRUCTION</b>                                                                                              | <b>EI</b><br><b>10-039</b> |
| <b>Title: SECTION 704 – MASONRY UNITS</b>                                                                                                                                                                                                                                                                                                                                         |                                                                                   |                                                                                                                                                                                               |                            |
| <b>Distribution:</b><br><input type="checkbox"/> Manufacturers (18)<br><input checked="" type="checkbox"/> Local Govt. (31)<br><input checked="" type="checkbox"/> Agencies (32)<br><input type="checkbox"/> Surveyors (33)<br><input checked="" type="checkbox"/> Consultants (34)<br><input checked="" type="checkbox"/> Contractors (39)<br><input type="checkbox"/> _____ ( ) |                                                                                   | <b>Approved:</b><br><br>Anthony Torre, P.E.,<br>Acting Deputy Chief Engineer (Research)<br>12-29-10<br>Date |                            |

#### ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of May 5, 2011.
- Superseded issuance(s): This EI does not supersede any previous issuances.
- These revisions will be incorporated into a future update to the Standard Specifications.

**PURPOSE:** The purpose of this EI is to issue an addition to Section 704 *Masonry Units*, specifically §704-24 *Precast Concrete Panels*.

#### TECHNICAL INFORMATION:

- To embrace the future that is SiteManager, the Geotechnical Engineering Bureau is changing how some of its specifications are written to align them with most Standard Specifications, which separate materials from pay items. Specification §704-24, which contains the material requirements for precast concrete panels used for lagging, will be referenced in Standard Specification Section 552 *Externally Stabilized Cut Structures*. These changes align the specifications with SiteManager's methodology in defining its Material Codes and Pay Items, with Items referring to one or many Materials.
- Additions to Standard Specification Section 552 *Externally Stabilized Cut Structures* is being issued concurrently via EI 10-038.

#### IMPLEMENTATION:

- The Main Office Design Quality Assurance Bureau will insert the standard specification revisions into contract proposals beginning with projects submitted for the letting of May 5, 2011.

#### TRANSMITTED MATERIALS:

- Revisions to Standard Specification Section 704 *Masonry Units*, specifically the addition of §704-24 *Precast Concrete Panels*. Both metric and US Customary revisions are attached.

**BACKGROUND:** The NYS Department of Transportation is implementing Trns-port SiteManager, including both Construction and Materials functionality. Implementation of standard AASHTO software enables SiteManager to allow revising this agency's practices to be more consistent with industry-accepted best practices. The revisions to the Standard Specifications are to minimize the overall quantity of special specifications.

**CONTACT:** Questions or comments regarding this issuance should be directed to Randall J. Romer, P.E., of the Geotechnical Engineering Bureau at (518) 457-4714, [rromer@dot.state.ny.us](mailto:rromer@dot.state.ny.us). Questions or comments regarding the technical aspects of the Standard Specification Section 704 *Masonry Units* should be directed to James Reidy, P.E., of the Materials Bureau at (518) 457-4791, [jreidy@dot.state.ny.us](mailto:jreidy@dot.state.ny.us).

## PRECAST CONCRETE PANELS

Make the following changes to the Standard Specifications dated May 4, 2006:

**Page 758 Add** the following:

### **§704-24 – PRECAST CONCRETE PANELS**

**SCOPE.** This specification covers the material and fabrication requirements for precast concrete panels.

**MATERIAL REQUIREMENTS.** The Material Requirements contained in §704-03 shall apply.

**DRAWINGS.** The Drawing requirements contained in §704-03 shall apply.

**FABRICATION.** The Fabrication requirements contained in §704-03 shall apply.

**SAMPLING AND TESTING.** The Sampling And Testing requirements contained in §704-03 shall apply.

**MARKING.** The Marking requirements contained in §704-03 shall apply.

**FINAL PRODUCTION INSPECTION.** The Final Production Inspection requirements contained in §704-03 shall apply.

**SHIPPING.** The Shipping requirements contained in §704-03 shall apply.

**BASIS OF ACCEPTANCE.** The Basis Of Acceptance requirements contained in §704-03 shall apply.

## **PRECAST CONCRETE PANELS**

Make the following changes to the Standard Specifications dated May 1, 2008:

**Page 799 Add** the following:

### **§704-24 – PRECAST CONCRETE PANELS**

**SCOPE.** This specification covers the material and fabrication requirements for precast concrete panels.

**MATERIAL REQUIREMENTS.** The Material Requirements contained in §704-03 shall apply.

**DRAWINGS.** The Drawing requirements contained in §704-03 shall apply.

**FABRICATION.** The Fabrication requirements contained in §704-03 shall apply.

**SAMPLING AND TESTING.** The Sampling And Testing requirements contained in §704-03 shall apply.

**MARKING.** The Marking requirements contained in §704-03 shall apply.

**FINAL PRODUCTION INSPECTION.** The Final Production Inspection requirements contained in §704-03 shall apply.

**SHIPPING.** The Shipping requirements contained in §704-03 shall apply.

**BASIS OF ACCEPTANCE.** The Basis Of Acceptance requirements contained in §704-03 shall apply.