
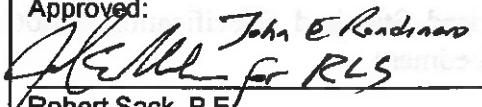


To: <p style="text-align: center;"><b>SUPERSEDED BY</b>  <u>EB 06-057</u>  <b>EFFECTIVE 5/3/07</b></p>		<p style="text-align: center;"><i>New York State Department of Transportation</i>  <b>ENGINEERING INSTRUCTION</b></p>	<p style="text-align: center;"><b>EI</b>  <b>04-029</b></p>
<b>Title: SPECIFICATION REVISION: SECTION 606-2.06 CONCRETE FOR END ASSEMBLY ANCHORS AND POST EMBEDMENTS</b>			
Distribution: <input type="checkbox"/> Manufacturers (18) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Agencies (32)	<input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Contractors (39) <input type="checkbox"/> ( )	Approved:  Robert Sack, P.E. Deputy Chief Engineer, Research	7/22/04 Date

**ADMINISTRATIVE INFORMATION:**

- This Engineering Instruction is effective beginning with projects submitted for the letting of January 13, 2005.
- No issuances are superseded or modified by this EI.
- The contents of this material will be incorporated into the Standard Specifications.

**PURPOSE:**

The purpose of this EI is to issue revisions to the Standard Specifications for the use of Precast Concrete Guide Rail Anchor Units.

**TECHNICAL INFORMATION:**

A provision has been added to the Standard Specifications, § 606-2.06, to allow Contractors the option of supplying precast concrete end assembly anchors and post embedments. Precast concrete units must meet the requirements of §704-03 Precast Concrete - General. The requirements for cast-in-place concrete have been changed to reference Section 501 of the Standard Specifications, with no exclusions. This agrees with the requirements which are being added for the precast concrete option.

**COST IMPACT:**

None

**IMPLEMENTATION:**

Beginning with projects submitted for the letting of January 13, 2005, DQAB will insert the attached shelf note into contract proposals containing the following pay item numbers.

Item 606.02 M Anchorage Units for Cable Guide Railing.

Item 606.0250 M Anchorage Units for Cable Guide Railing (Rustic Posts).

Item 606.22 M Anchorage Units for Corr. Beam Guide Railing.

Item 606.2250 M Anchorage Units for Corr. Beam Guide Railing (Rustic Posts).

Item 606.23 M Anchorage Units for Corr. Beam Guide Railing (Driveway, Walkways, and Other Openings).

Item 606.2350 M Anchorage Units for Corr. Beam Guide Railing (Driveway, Walkways, and Other Openings) (Rustic).

Item 606.24 M Anchorage Units for Corr. Beam Median Barrier.

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Item 606.2450 M Anchorage Units for Corr. Beam Median Barrier (Rustic).

Item 606.34 M Anchorage Units for Hvy. Post Blocked-Out Corr. Beam Guide Railing.

Item 606.3450 M Anchorage Units for Hvy. Post Blocked-Out Corr. Beam Guide Railing (Rustic).

Item 606.35 M Anchorage Units for Hvy. Post Blocked-Out Corr. Beam Median Barrier.

Item 606.3550 M Anchorage Units for Hvy. Post Blocked-Out Corr. Beam Median Barrier (Rustic).

### TRANSMITTED MATERIALS:

Revised Standard Specification § 606-2.06 Concrete for End Assembly Anchors and Post Embedment.

### BACKGROUND:

Currently, Standard Specification § 606-2.06 provides guidance on the use of cast-in-place concrete but does not provide specific details regarding the use of precast concrete units. The attached revision to § 606-2.06 makes the appropriate specification references for the use of precast concrete end assembly anchors and post embedments. Field personnel have been allowing Precast Guide Rail Anchor Units as an equal substitution for cast-in-place units for more than 15 years. This specification makes that common practice official and also institutes controls over how the units are fabricated.

### REFERENCES:

Standard Sheets: M606-01 through M606-10 and M606-15 through M606-17.

### CONTACT:

If any questions, please contact Philip Natale of the Materials Bureau at (518) 457-5960 or [pnatale@dot.state.ny.us](mailto:pnatale@dot.state.ny.us).

Make the following changes to the Standard Specifications of January 2, 2002.

Page 6-23, under § 606-2.06 Concrete for End Assembly Anchors And Post Embedments, **remove** the entire section and **replace** it with the following:

**606-2.06 Concrete for End Assembly Anchors And Post Embedments**

Cast-in-place concrete shall meet the requirements of Class A Concrete in Section 501 Portland Cement Concrete-General. The Contractor may submit, for approval by the Director of the Materials Bureau, a mix at least equivalent to the specified Class A Concrete, with a minimum cement content of 340 kg/m<sup>3</sup>.

Precast concrete anchorage units, when selected as an alternate to cast-in-place units by the Contractor, shall meet the requirements of Section 704-03 Precast Concrete-General.