

TO:

**SUPERSEDED BY EI 87-040
EFFECTIVE 1/28/88**

ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

**SUBJECT: BRIDGE DESIGN MANUAL - SPECIAL
SPECIFICATIONS FOR BRIDGES - THE NEW YORK STATE
PRESTRESSED CONCRETE CONSTRUCTION MANUAL (PCCM)**

Subject Code: 7.35-6; 7.27-1-557; 718

Distribution:

30 Main Office 32 Regions 34 Special

Code: 87-36

Date: 10/7/87

APPROVED:



Supersedes:

This office has adopted for use, the New York State Prestressed Concrete Construction Manual (PCCM) effective with the letting of January 2, 1988, (P.S.&E. November 5, 1987).

The adoption of this manual will, in turn, create circumstances for which certain contact adjustments have to be made. They are:

1. Portions of Section 557 and all of Section 718 will no longer be applicable to prestressed or precast structural units. Accordingly, the attached special note will be inserted into all projects requiring the use of items:

557.0101 through 557.0106
557.0201 through 557.0204
557.0302 through 557.0304
557.0401 through 557.0402

or any special item having the parent section number "557".

2. There are three items of work that are not standard prestressed concrete but which rely directly upon subsection 718-01. They are:

- A. Mechanically Stabilized Earth Systems - Pay Item 554.01.
- B. Structural Slab Concrete (Optional Forming Systems) - Pay Item 15555.04.
- C. Permanent Concrete Traffic Barrier for Structures - Pay Items 16555.5003 and 16555.5503.

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Whenever either one of the foregoing items appears as part of the work, the following note shall be entered on the General Note Sheet and boxed by the designer:

"Regardless of all other statements modifying, or deleting, subsection 718-01, the requirements of subsection 718-01 shall apply as specified by the terms of item(s) _____."

3. Guideline Drawings PC-2 through PC-10 have notes which refer to Sections 557 and 718. These notes are transferred to the contract plans when appropriate. All such notes must now refer to the appropriate part of the PCCM. Designers are responsible for ensuring that the appropriate changes are made until such time as new guideline drawings are issued.

All Regions have been issued copies of the Manual.

Contractors, fabricators, and other interested parties may purchase the Manual from Plan and Publication Sales - Barbara Mendus: (518)-457-2124.

Since the PCCM is simply a compilation of subsection 718-01, standard manufacturing techniques, and standard inspection procedures, no upward financial impact is expected to result from its issuance.

PRESTRESSED CONCRETE UNIT (STRUCTURAL)

Make the following changes to the Standard Specifications of January 2, 1985.

Page 1-1

Under §101-01 ABBREVIATIONS, insert the following between "M.U.T.C.D." and "S.A.E.": "P.C.C.M. - New York State Prestressed Concrete Construction Manual".

Page 5-54

Under §557-2.01 Prestressed Units, delete from "Prestressed concrete..." to "...Hollow slab Units" and replace with "Prestressed concrete unit shall meet the requirements of the PCCM."

Under §557-2.02 Transverse Tie Rods or Strands, delete the first sentence and replace with "Refer to PCCM, Section 400."

Under §557-2.03 Shear Key Material, delete in its entirety and replace with "Refer to PCCM, Section 400."

Under §557-2.04 Anchorage Block-Out Grout, delete in its entirety and replace with "Refer to PCCM, Section 400."

Page 5-54

Under §557-3 CONSTRUCTION DETAILS, delete the entire subsection and replace with "557-3 CONSTRUCTION DETAILS. The requirements of the PCCM shall apply."

Addendum 1

Page 22

Delete all references to §557-3.01.

PRESTRESSED CONCRETE UNITS (STRUCTURAL)

Make the following changes to the Standard Specifications of 1985:

Subsection 101-01 Abbreviations:

Insert the following between "M.U.T.C.D." and "S.A.E.":
"P.C.C.M. - New York State Prestressed Concrete Construction
Manual"

Page 5-54:

Subsection 557-2.01. Delete from "Prestressed concrete..."
to "...Hollow Slab Units 718-04".

Insert in its place: "Prestressed concrete units shall meet
the requirements of the PCCM."

Subsection 557-2.02. Delete in its entirety. Replace with:
Refer to PCCM, Section 400".

Subsection 557.2.03. Delete in its entirety. Replace with:
"Refer to PCCM, Section 400".

Subsection 557.2.04. Delte in its entirety. Replace with:
"Refer to PCCM, Section 400".

Page 5-54 through and including 5-56:

Subsection 557-3.

Delete the entire subsection.

Replace with: "557-3 Construction Details. The requirements
of the PCCM shall apply."

Page 7-131:

Section 718. Delete the title. Mark the Section "Vacant".

Pages 7-131 through and including 7-138:

Subsection 718-01. Delete the entire subsection.

Pages 7-138 and 7-139:

Subsection 718-02. Delete the entire subsection.

Pages 7-139 and 7-140:

Subsections 718-03 and 718-04. Delete both entire subsections.

Addendum No. 1:

Page 22.

Delete all references to subsection 557-3.01.

Page 88

Delete all references to subsection 718-01.