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FACILITIES DESIGN SUBDIVISION	
JAN 3 1977	
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TO:	ENGINEERING INSTRUCTION	
Director, Preliminary Plan	NEW YORK STATE DEPARTMENT OF TRANSPORTATION	
SUPERSEDED BY EB 81-038 EFFECTIVE 8/31/1981	SUBJECT: PORTLAND CEMENT CONCRETE CLASS SUBSTITUTION GUIDELINES	
	Subject Code: 7.30	
Distribution:	<input type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special	Code: <u>EI 76-73</u>
APPROVED:		Date: <u>12/16/76</u>
Jack Sternbach, Deputy Chief Engineer, Construction Subdivision		Supersedes: MODIFIES EI 76-042 DATE 6/16/76

EI 76-42 dated June 16, 1976, contains new specifications for portland cement concrete which will be included in all contracts as of the October 21, 1976, letting. These specifications are also included in Addendum #4 of the General Specifications. The new specifications has eight classes of concrete designated as A through H. Since the former specifications consists of classes A through D, this means that during the transition period a duplication of class designation will exist. The purpose of this EI is to provide guidelines for dealing with this duplication.

The mix design criteria are different between the new and former specifications. Therefore, it would be necessary for a concrete producer to have two separate sets of batch weights for the same class designation when producing for contracts under both the new and former specifications. Upon the contractor's written request stipulating that there will be no additional cost to the State, the Regional Director may process an order on contract at no change in price for the substitution of the new requirements for portland cement concrete classes.

The primary concern to the Contractor in this substitution would be the cost for the additional amounts of cement for new classes A, C, and D. To help show the magnitude of this difference, a summary is given below:

CEMENT QUANTITY

	<u>New Specs.</u> <u>#/c.y.</u>	<u>Former Specs.</u> <u>#/c.y.</u>
A	606	590
B	517	523
C	605	600
D	725	719

The mix design method for the new requirements was distributed recently by EB 6-12 dated 10/4/76.