



SOUTH CAROLINA
DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION
P.O. BOX 191
COLUMBIA, S.C. 29202

August 27, 1990

MEMORANDUM TO DESIGN GROUP LEADERS & CONSULTANTS

Subject: Cofferdams

Due to the Department's implementation of the new BID ANALYSIS MANAGEMENT SYSTEM (BAMS), the bid item for "Cofferdam" shown on the Title Sheet will be as follows:

<u>ITEM NO.</u>	<u>BID ITEM</u>	<u>UNIT</u>
2045010	COFFERDAM (TYPE 1)	EACH
2045020	COFFERDAM (TYPE 2)	EACH
2045030	COFFERDAM (TYPE 3)	EACH
2045040	COFFERDAM (TYPE 4)	EACH
2045050	COFFERDAM (TYPE 5)	EACH
2045060	COFFERDAM (TYPE 6)	EACH

For the purpose of determining which type of cofferdam to specify in the plans the following volumes will be used:

<u>COFFERDAM</u>	<u>VOLUME (CUBIC FEET)</u>
TYPE 1	LESS THAN 10,000
TYPE 2	10,000 TO 20,000
TYPE 3	20,001 TO 30,000
TYPE 4	30,001 TO 40,000
TYPE 5	40,001 TO 50,000
TYPE 6	OVER 50,000

The volume will be computed as the cofferdam plan area times the cofferdam height.

For bents with seals, the height will be computed as the elevation of normal water plus five feet minus the elevation of the bottom of the seal or the mean high tide elevation plus five feet minus the elevation of the bottom of the seal. The plan area will be computed as the seal width times the seal length.

For bents without seals, the height will be computed as the elevation of normal water plus five feet minus the elevation of the bottom of the footing or the mean high tide elevation plus five feet minus the elevation of the bottom of the footing. The plan area will be computed as the footing width plus three feet times the footing length plus three feet.

The above method of designating cofferdams by type should be followed beginning with the October, 1990 letting.



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BAM/REL/ddg