

# Design Standards Letter

**Letter Number: D-1999-06**

**Letter Date: 02/19/1999**

**Effective Date: 02/19/1999**

**Section/Plan No.: D703**

**Subject: Computer Stored Pay Items**

## Body

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This letter supersedes Development Manual Letter No. 5. It has been brought to our attention that bid item numbers 703-20.11 and 703-20.12 for culverts-bridge and culverts respectively have been used in place of bid item numbers 703-40.21 and 703-40.22. Designers and consultants need to use bid item numbers 703-40.21 and 703-40.22 with Class B-1 concrete description immediately in their metric projects. Any project on the shelf using the pay items descriptions, need to be changed. These items will be deleted from the database immediately to eliminate confusion.

It is critical these changes be made. The metric culverts were designed using a Class B-1 concrete, which has a 28-day compressive strength of 4000 psi compared to a compressive strength of 3000 psi for Class B concrete. Failure of these concrete culverts in the fields is highly probable if Class B concrete is used.

### TO BE DELETED:

703-20.11 0.1 CU METER CLASS B-1 CONCRETE (CULVERTS-BRIDGE) - METRIC  
Effective date 02/23/99.

703-20.12 0.1 CU METER CLASS B-1 CONCRETE (CULVERTS) - METRIC  
Effective date 02/23/99.

### TO BE USED: (ON-GOING AND ON-SHELF PROJECTS)

703-40.21 0.1 CU METER CLASS B-1 CONCRETE (CULVERTS-BRIDGE) - METRIC

703-40.22 0.1 CU METER CLASS B-1 CONCRETE (CULVERTS) - METRIC

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