**General Notes**

- **The resident engineer will make individual calculations of quantities for each structure lengthened, making no allowance for overbreakage beyond the lines indicated.**
- **In all instances concrete shall be removed so as to permit full 40 diameter splice of reinforcing steel.**
- **Reinforcing steel removed from existing structure shall not be reused in constructing extension.**
- **On R.C. box culverts that have an existing concrete apron, the concrete apron shall be removed with the wings.**
- **The cost of removing all old concrete will be included in the price bid per cubic yard for new concrete of the class specified and no additional compensation will be allowed.**

**Method of Extending Existing R.C. Box Culverts**

- **Standard Drawing RCB-3**

- **Section A-A**
  - **Method 1**
  - Use for Method 1
  - 10-1-92
  - C/2
  - ADDED ALT. METHOD OF EXTENSION

- **Method 2**
  - 4-1-93
  - AB, side walls, and bottom slab.
  - ADDED GENERAL NOTE

**Materials for Securing Dowel Bars**

- **Shall meet the requirements of Section 507.02 of the Standard Specifications.**

**Dowel Bars**

- **Shall be installed as follows:**
  - Dowel bars shall be approved by the engineer. The filling system shall be an injection-type system which will insure that sufficient material is injected so it completely surrounds the bars and fills the holes.

**The contractor shall have the option of using either Method 1 or Method 2. Regardless of which method is used, pay quantities will be calculated based on Method 1.**

**NOTE:**

- **Part of this standard is to be used for any details relative to new construction.**
- **See standard drawings listed in tabulation of structures for all new construction details.**