### BRIDGE STANDARD DETAILS

**X17-051**

**STATE OF CALIFORNIA**
**DEPARTMENT OF TRANSPORTATION**

**DIVISION OF ENGINEERING SERVICES**

**CIP BOTTOMLESS CULVERT**

**PILE FOUNDATION/FOOTINGS ON ROCK**

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#### Typical Reinforcement

**NOTES:**

1. For boxes of height less than that shown in Table, use next smaller standard height box, with dimensions and reinforcing same, unless necessary changes in bar lengths, number of spacers, and quantities are required.

2. The "a" and "d" bars are at half number of spacers, and quantities.

3. Refer to "FOUNDATION DETAILS" sheet for foundation details.

4. Quantities are approximate and are for design purpose only.

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#### Reinforcement Details

<table>
<thead>
<tr>
<th>Span, S</th>
<th>10&quot;</th>
<th>12&quot;</th>
<th>14&quot;</th>
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<tr>
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### FOOTING/PILE CAP

**DETAILS:**

See Note 3

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#### Footing/Pile Cap

**DETAILS:**

See Note 3

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#### Flange Bar

**DETAILS:**

See Note 3

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#### Cover

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