MISSOURI STATE HIGHWAY DEPARTMENT

GENERAL NOTES:
Design Specifications: AASHTO-98
Design Loading: AASHTO-98
Earthwork (Equivalent Fluid Pressure 30°)
Design Unit Stresses:
Class B Concrete: 1,200 psi
Reinforcing Steel: 15,000 psi
Allowable Maximum to reinforcing steel shall be 15° unless otherwise shown.

ESTIMATED QUANTITIES

<table>
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<tr>
<th>Item</th>
<th>Estimated</th>
<th>Final</th>
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<tbody>
<tr>
<td>Feetal of Bridge</td>
<td>320</td>
<td>320</td>
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<tr>
<td>Class J Concrete</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Class B Concrete</td>
<td>3,200</td>
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</tr>
<tr>
<td>Reinforcing Steel</td>
<td>2,400</td>
<td>2,400</td>
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BRIDGE OVER RAMSEY BRANCH NO. 2
STATE ROAD FROM GORDONVILLE TO CAPE GIRARDEAU
ABOUT 1-8 MILE W. OF CAPE GIRARDEAU
PROJECT NO. RS.46 (B) STA. 198+61.25
JOB NO.10-5-K-53
CAPE GIRARDEAU COUNTY

LOCATION SKETCH
Drainage Area: 1.8 sq. miles (Hilly)
Design Discharge: 80.00 cfs
Design Frequency: 50 years

Note: This drawing is not to scale, follow dimensions.
### Complete Bill of Reinforcing Steel

#### Standards

- **Standard Hooks**
- **MRIR Hooks**

#### Details

**Note:** All Standard Hooks and Bends other than No. 6 MRIR Hooks are bent with some procedure as for No. 6 MRIR Standard Hooks. All Hooks and Bends shall be constructed in accordance with the procedures shown on this sheet. Dimensions are based on the actual length and are measured along centerline. Actual Lengths are calculated using tabulated data. Bends vary in equal increments between 0° and 180°. The following dimensions are approximate:

- **No. 1**
- **No. 2**
- **No. 3**
- **No. 4**
- **No. 5**
- **No. 6**

**Bending Diagrams**

- **Shapes 1 to 10**
- **Shapes 11 to 20**

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#### Table

<table>
<thead>
<tr>
<th>Gauge No.</th>
<th>Material</th>
<th>Location</th>
<th>Dimensions</th>
<th>Weight</th>
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<tr>
<td>16</td>
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**Note:** This drawing is not to scale. Follow dimensions in the bending diagrams.
MISSOURI STATE HIGHWAY DEPARTMENT

PLAN OF TOP SLAB

Note: For Elev. LL and Sections G-G, H-J, J-K and RR see Sheet No. 40 of 8.

SECTION C

PLAN OF BOTTOM SLAB

CAPE GIRARDEAU COUNTY

Sheet No. 3 of 5