SELECTION LIST

STEEL LIST

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ESTIMATED QUANTITIES:
SPECIAL STRUCTURE
Concrete 1'-0"
Reinforcing Steel 1"220 lbs

STANDARD CONCRETE GIRDERS
SPAN 50FT ROADWAY 20FT
T-15 LOADING
STATE HIGHWAY DEPARTMENT,
COLUMBUS, OHIO,
APRIL 1918, BUREAU OF BRIDGES
REINFORCED CONCRETE BRIDGE
30'12" Girder Span - 16'9" Roadway
STATE HIGHWAY DEPARTMENT
COLUMBUS, OH.
OCT 1914
BUREAU OF BRIDGES.
Note: Bridge is designed for bearing surface on slab to weigh 60 tons per sq. ft. Bearing slab is 18 ft. wide and 4 ft. thick. Main heavy steelwork and beam are to be placed on one abutment. Beams, girders, and fenders are to be placed in alternate 15 ft. centers. Beam bars are to be placed in top of slab over beam ends. Slab thickness 6" for intermediate panels and 16½" for end panels.

**Table**

<table>
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<tr>
<th>MARK</th>
<th>SIZE</th>
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<tr>
<td><strong>SLAB BARS</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>½ &quot;</td>
<td>15</td>
<td>26' 0&quot;</td>
<td>261</td>
</tr>
<tr>
<td>B</td>
<td>¾ &quot;</td>
<td>26</td>
<td>37' 0&quot;</td>
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<td>C</td>
<td>1½ &quot;</td>
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<tr>
<td><strong>BEAM BARS</strong></td>
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<tr>
<td>G1</td>
<td>4/8 &quot;</td>
<td>6</td>
<td>27' 9&quot;</td>
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<tr>
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<td>6</td>
<td>27' 9&quot;</td>
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<tr>
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<td>12</td>
<td>10' 3&quot;</td>
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**Total Weight**: 2940 lbs

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**Standard Concrete Girder**

SPAN: 35 FT
ROADWAY: 84 FT
T-15 LOADING
STATE OF OHIO
DEPT. OF HIGHWAYS & PUBLIC WORKS
DIVISION OF HIGHWAYS
JUNE 1933
BUREAU OF BRIDGES

G35-241 App. by
NOTE: All exposed edges shall be chamfered as shown on detail. Bar ends on bars to be rounded to conform to a 1" radius.

NOTE: Planed A bars or tip of slab over B bars. B & G bars are placed alternately in bottom of slab at 3" centers.

NOTE: If unable to pour superstructure continuously make continuous joint along center line of roadway and pour one-half continuously including slab, beams, and girders.

ESTIMATED QUANTITIES
1-2-4 Concrete 31.3 cuyd. 19270 lbs. Reinforcing steel 12310 lbs. Wearing Surface 1361 sqyd.

NOTES: Bridge is designed for maximum weight of wearing surface on slab to be 85 lbs. per sq ft. Wearing surface shall be full width between curbs and entire length of slab.
**Notes:**
- Chisel all exposed edges 1/8" above concrete.
- Corners on ribs to be rounded to conform to a 1/8" radius.

**Half Elevation**
- T-bars
- A-bars
- C-bars
- Laps A & C bars on those bars.

**Half Longitudinal Section**
- Note: A bars shall be placed in top of slab over B bars, B/C bars shall be placed in bottom of slab alternately at 32 centers.
- 18" gage bars shall be tipped 4" off the splice.
- 18" gage bars shall be tipped 5".

**Half Plan**
- Note: If unable to pour superstructure continuously make construction joint along center line of roadway and pour work half continuously including slab, boma and girder.

**Side Elevation Showing Girder Reinforcement**
- Note: Wearing surface shall be filled with brown sand and gravel, 9 to 16 inches thick.
- Bridge is designed for maximum weight of wearing surface on slab to be 60 lbs per sq ft.

**Standard Concrete Girder**
- Span 55 ft.
- Roadway 24 ft.
- Loading T-I-5

**State of Ohio**
- Dept of Highways and Public Works
- Division of Highways

**February 1924**
- Bureau of Bridges

**G53-24-1**
- Designed by W.F.
- Drawn by D.W.
- Approved by A.K. Engineer

**Structural Steel**
- 1 4-14 Concrete
- 16 L� 0.060
- Reinforcing steel 22,500 lbs.
- Structural steel 16 3/8 L�
- Wearing surface 143.15 lbs.