

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| 9                   | VT.   |           |             |           |              |

# REINFORCING STEEL (Does not include steel in Posts)

| BAR | REQD | SIZE | LGTH.   | DETAIL   |
|-----|------|------|---------|----------|
| 1A  | 328  | 5/8" | 15'-6"  | Straight |
| 1B  | 328  | 5/8" | 20'-8"  |          |
| 1C  | 276  | 5/8" | 5'-4"   |          |
| 2A  | 328  | 5/8" | 15'-5"  |          |
| 2B  | 328  | 5/8" | 24'-7"  |          |
| 2C  | 104  | 5/8" | 1'-2"   |          |
| 2D  | 104  | 5/8" | 2'-2"   |          |
| 3A  | 328  | 5/8" | 21'-2"  |          |
| 3B  | 328  | 5/8" | 20'-5"  |          |
| 4A  | 38   | 5/8" | 21'-3"  |          |
| 4B  | 76   | 5/8" | 28'-9"  |          |
| 4C  | 76   | 5/8" | 28'-11" |          |
| 4D  | 38   | 5/8" | 28'-3"  |          |
| 5A  | 112  | 5/8" | 21'-3"  |          |
| 5B  | 274  | 5/8" | 27'-6"  |          |
| 5C  | 224  | 5/8" | 28'-6"  |          |
| 5D  | 112  | 5/8" | 28'-0"  |          |
| 6   | 454  | 5/8" | 7'-7"   |          |
| 8A  | 18   | 5/8" | 22'-0"  |          |
| 8B  | 36   | 5/8" | 23'-0"  |          |
| 8C  | 36   | 5/8" | 26'-0"  |          |
| 8D  | 18   | 5/8" | 30'-6"  |          |
| 9   | 206  | 5/8" | 3'-11"  |          |
| 10  | 6    | 1"   | 4'-0"   |          |
| 11A | 40   | 3/4" | 20'-10" |          |
| 11B | 20   | 3/4" | 20'-7"  |          |
| 12  | 300  | 3/4" | 2'-2"   |          |
| 13  | 70   | 5/8" | 5'-3"   |          |

Reinforcing Steel to be Intermediate Grade.  
Reinforcing Steel dimensions to 1/2" of bars.  
All Concrete to be Class B.  
\* Estimated Quantities on this sheet for Structural Steel include Bearing Devices, Cover & Splice Plates, & all Structural Steel shown on Expansion Plate Detail Sheet and quantities for Sidewalk & Sidewalk Detail Sheet, but does not include quantities for Railing & Posts.  
All Structural Steel shall be painted as specified under Item 403 A-B, Standard Road & Bridge Specifications, State of Vermont, 1948. The final coat of field paint shall be green unless otherwise directed by the Engineer.  
For location of "Fixed" & Expansion Bearings, see Profile Sheet.

CONDUIT SYSTEM NOTES  
Contractor to supply & install Conduit System for lights on the sidewalk side of the Bridge as shown on Bridge Plan & Elevation Sheet, and in accordance with Std. Div. 20, Part 11, and as specified under Item 572.2.  
Contractor to leave all exposed conduit ends capped & ready for wiring by others. Any arrangements made between the Contractor, the Town of Berkshire and Local Authorities, and Municipal Electric Co. shall be made by the Contractor and will not be a part of this contract. Junction Boxes to be standard watertight C.I. Junction Boxes. All exposed metal parts that are not galvanized to be painted with Item 403 A-B.

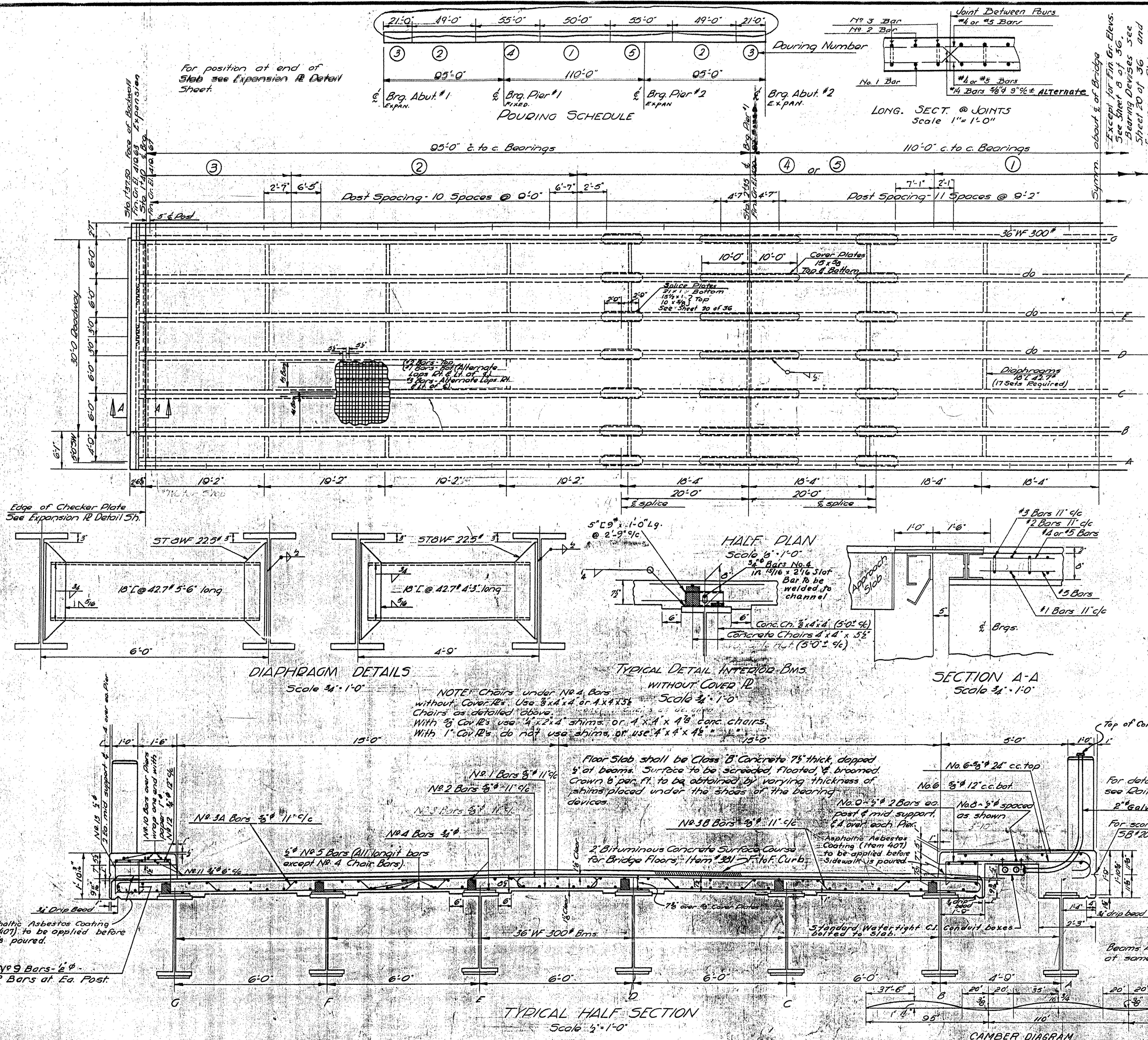
BERKSHIRE BHF 0283(9)  
VT 118 BRIDGE 30  
SHEET 41 OF 41  
FOR REFERENCE ONLY  
REFERENCE SHEET 4 OF 4  
Beams A, B, & C to be set at same elevation.

## BERKSHIRE SUPERSTRUCTURE 533(3)

### ESTIMATED QUANTITIES

|                            |              |
|----------------------------|--------------|
| Conc. Class B              | 339.4 CY     |
| Reinforcing Steel          | 12,835 Lbs.  |
| Structural Steel           | 773,750 Lbs. |
| Bitum. Conc. Paving        | 113 Tons     |
| Asphaltic Asbestos Coating | 91.55        |

|                |                   |
|----------------|-------------------|
| Surveyed by    | JHW               |
| Designed by    | HWS               |
| Drawn by       | HAS               |
| Traced by      | HAS               |
| Checked by     | QUANTITIES-M.R.C. |
| Series         | 5                 |
| No.            | 33 (3)            |
| Filed          |                   |
| Sheet 17 of 36 |                   |



For position at end of Slab see Expansion & Detail Sheet.

Edge of Checker Plate See Expansion & Detail 5h.

Asphaltic Asbestos Coating (Item 407) to be applied before curb is poured.

NOTE: Chairs under No. 4 Bars without Cover Pls. Use 3/4" x 4" or 4" x 1/2" x 3/4" Chairs as detailed above. With 3/4" Cov. Pls. use 1/2" x 2" x 1/2" shims, or 4" x 4" x 1/2" conc. chairs. With 1" Cov. Pls. do not use shims, or use 4" x 4" x 1/2" conc. chairs.

Floor Slab shall be Class B Concrete 7 1/2" thick, topped 5" of beams. Surface to be screeded, floated, & broomed. Crown 6" per ft. to be obtained by varying thickness of shims placed under the shoes of the bearing devices.

Asphaltic Asbestos Coating (Item 407) to be applied before Sidewalk is poured.

Standard Watertight C.I. Conduit Boxes

Beams shall have true circular camber with middle ordinates as shown above. No change will be allowed in the above camber except by written order of the Engineer. Any variation in camber to be adjusted in field by varying thickness of slab over beams.