



- NOTES**
- For general notes, see Sheet BR101.
  - Cross Frame Notes: The thickness of all gusset and connection plates shall be 7/16". Gusset plates shall be welded to stiffeners with a 3/16" fillet weld. All cross frame angles shall be 4 x 4 x 3/8".
  - All shop connections for cross frames shall be 5/16" fillet welds. All field connections shall be 1/8" φ high strength bolts meeting the requirements of ASTM A-325.
  - For bearing materials for sole and bearing plates refer to State of Vermont Department of Highways Standard Specification for Highway and Bridge Construction, Item 404, paragraph 404.02 (23).
  - Place S501 Bars in the top of the slab between the S507 bars and center them over the piers. Top bar spacing in these areas will then be 46" c/c.
  - Steel girders shall be field welded to the pier fixed bearings when the steel and air temperatures are both within the range of 35°F to 55°F. All girders shall be welded to the bearings in as rapid a sequence as possible during a period of stable temperature. The welding shall be completed prior to forming for the deck concrete.
  - Begin beam profiles at the end of the girder on the high end of the bridge.
  - Bearing stiffeners shall be attached to both sides of the fascia beam.

BARTON-COVENTRY  
IM BPNT (11)  
SHEET 50 OF 84  
BRIDGES 106N&S  
FOR REFERENCE ONLY

**STATE OF VERMONT**  
DEPARTMENT OF HIGHWAYS

PROJECT: BARTON-IRASBURG  
TOWN OF BARTON BR 106  
ROUTE No. 191 I 91 STA 2450±  
I 91 OVER US ROUTE 5

**SUPERSTRUCTURE DETAILS**  
SCALE as shown SH. 2

SECTION SUPERVISOR: F. W. Bolkm - 8/67  
DRAWN BY: BETA CHECKED BY: LADD, 8/67

PROJECT NO. I 91-3(26)  
SHEET 40 OF 115 BR107

Stage 1 Construction