



- GIRDER NOTES**
1. DIMENSIONS ARE ALONG THE ARC OF C' GIRDER AND C' BEARING.
  2. INTERMEDIATE CROSS FRAMES ARE ON RADIAL LINES FROM THE CENTER OF THE CURVE.
  3. BEARING STIFFENERS SHALL BE PLUMB AND PERPENDICULAR TO THE WEB IN THEIR FINAL POSITION.
  4. CONNECTION PLATES AT INTERMEDIATE CROSS FRAMES SHALL BE PERPENDICULAR TO FLANGES
  5. CONNECTION PLATES AT ABUTMENTS SHALL BE PERPENDICULAR TO FLANGES AND PARALLEL TO CENTER LINE OF BEARING AND WEBS.
  6. ENDS OF GIRDERS SHALL BE FABRICATED AS TO BE PLUMB UNDER FULL DEAD LOAD AND SUPERIMPOSED DEAD LOAD.
  7. ALL CROSS FRAMES, TENSION FLANGES, AND WEBS SHALL HAVE "CHARPY V-NOTCH TEST" PERFORMED AS SPECIFIED IN SUBSECTION 714.01 AND 714.03.

**STATE OF VERMONT AGENCY OF TRANSPORTATION**

|                               |              |            |    |
|-------------------------------|--------------|------------|----|
| Town Of                       | HARTLAND     | Bridge No. | 60 |
| Highway No.                   | U.S. ROUTE 5 | Log Sta.   |    |
|                               |              | Surv. Sta. |    |
| U.S. ROUTE 5 OVER LULLS BROOK |              |            |    |

**FRAMING PLAN AND GIRDER ELEVATION**

|   |          |                          |                  |
|---|----------|--------------------------|------------------|
| Designed By   | S. BAKI  | Drawn By                 | W. GAYNOR        |
| Checked By  | Date     | Bridge Design Supervisor | Date             |
|   | S. BAKI  | J. MIECZKOWSKI           |                  |
| PROJECT   | HARTLAND | PROJECT NO.              | BRS No. 0113(22) |
| I.G.C. Info. M:\1456201\VA0T Hartland\struct\zf204fpl.dgn |          |                          |                  |
| Bridge Sheet No.  | BR111    | Sheet                    | 46 of 86         |

**TABLE OF GIRDER DIMENSIONS**

| GIRDER NO. | RADIUS (METERS) | DIMENSION 'A' | TOP FLANGE PLATE               |                  |                 | BOTTOM FLANGE PLATE            |                  |                 | DIMENSION 'B'    | DIMENSION 'C'         | DIMENSION 'D' | DIMENSION 'E'         | DIMENSION 'F' | 'G' - NO. OF STUDS / GIRDER | DIMENSION 'H' | DIMENSION 'I' |     |      |
|------------|-----------------|---------------|--------------------------------|------------------|-----------------|--------------------------------|------------------|-----------------|------------------|-----------------------|---------------|-----------------------|---------------|-----------------------------|---------------|---------------|-----|------|
|            |                 |               | PLATE A                        | PLATE B          | PLATE C         | PLATE D                        | PLATE E          | PLATE F         |                  |                       |               |                       |               |                             |               |               |     |      |
| G1         | 105.030         | 43990         | 32 X 610 X 4970                | 45 X 610 X 31610 | 32 X 610 X 7870 | 32 X 610 X 4970                | 65 X 610 X 31610 | 32 X 610 X 7870 | 610              | 9 SPA. @ 4430 = 39870 | 3510          | 215                   | 355           | 250                         | 215           | 1382          |     |      |
| G2         | 102.515         | 43164         | 32 X 610 X 5716                | 45 X 610 X 30868 | 32 X 610 X 7040 | 32 X 610 X 5716                | 65 X 610 X 30868 | 32 X 610 X 7040 | 1462             | 9 SPA. @ 4324 = 38916 | 2786          | 197                   | 330           | 264                         | 197           | 1349          |     |      |
| G3         | 100.000         | 42340         | 25 X 460 X 42800 (FULL LENGTH) |                  |                 | 25 X 460 X 6466                |                  |                 | 32 X 460 X 30126 | 25 X 460 X 6208       | 2318          | 9 SPA. @ 4218 = 37962 | 2060          | 278                         | 355           | 240           | 277 | 1316 |
| G4         | 97.485          | 41518         | 22 X 410 X 41978 (FULL LENGTH) |                  |                 | 22 X 410 X 41978 (FULL LENGTH) |                  |                 |                  |                       | 3177          | 9 SPA. @ 4111 = 36999 | 1342          | 253                         | 432           | 194           | 253 | 1283 |
| G5         | 94.970          | 40697         | 22 X 410 X 41157 (FULL LENGTH) |                  |                 | 22 X 410 X 41157 (FULL LENGTH) |                  |                 |                  |                       | 4039          | 9 SPA. @ 4005 = 36045 | 613           | 242                         | 457           | 180           | 242 | 1250 |