



**CALCULATION PLAN FOR BRIDGE 25B**

**\*\* NOTE \*\***  
 THE PURPOSE OF THIS DRAWING IS TO COORDINATE GEOMETRIC CONTROL INFORMATION. THIS DWG IS SUBMITTED FOR INFORMATION ONLY AND IS NOT INTENDED FOR SHOP FABRICATION.

- NOTES**
- LONGITUDINAL DIMENSIONS ARE SLOPING ALONG BOTTOF WEB WITH CORRECTIONS MADE FOR VERTICAL CURVE, GRADE & DL CAMBER (UN).
  - TRANSVERSE DIMENSIONS ARE IN A HORIZ. PLANE (UN).
  - ARROW POINTS TOWARDS LOW END OF MEMBER.
  - ENDS OF GIRDERS AND BRG. STIFF'S ARE VERTICAL AFTER DL ROTATION.
  - CF STIFF, INT STIFF & FIELD SPLICES ARE NORMAL TO GRADE.
  - BOIT PT NUMBERS = TOP PT NUMBERS + 300
  - FOR LAYOUTS SEE DWG TDI.
  - COMBINE CROSSFRAMES FOR DIFF IN DROPS OF +/- 3/16
  - CROSSFRAMES DROPS ARE CALCULATED IN THEIR FINAL POSITION.

| Line | DEVELOPED LENGTHS ALONG BTH OF WEB |             |             | GIRDER SLOPE |        | PLAN BEVELS |          |
|------|------------------------------------|-------------|-------------|--------------|--------|-------------|----------|
|      | LEN AL                             | LEN A       | LEN B       | ABUT 1       | PIER 1 | AI          | PI       |
| 1    | 84'-0 1/8                          | 107'-0 5/16 | 69'-4 3/4   | -.0340       | -.0340 | 8 5/8       | 10 7/8   |
| 2    | 82'-9                              | 105'-9 1/4  | 63'-4 13/16 | -.0337       | -.0337 | 8 7/8       | 11 1/8   |
| 3    | 81'-7                              | 104'-7 5/16 | 62'-5 9/16  | -.0334       | -.0334 | 9 1/8       | 11 3/8   |
| 4    | 80'-6                              | 103'-6 1/4  | 65'-6 15/16 | -.0330       | -.0330 | 9 3/8       | 11 5/8   |
| 5    | 79'-5 13/16                        | 102'-6 1/16 | 60'-8 7/8   | -.0327       | -.0327 | 9 5/8       | 11 13/16 |
| 6    | 78'-6 7/16                         | 99'-6 11/16 | 61'-11 1/4  | -.0324       | -.0324 | 9 7/8       | 11 15/16 |

RECEIVED  
 OK'D BY *DTJ* OK'D BY \_\_\_\_\_  
 SEP 16 2002  
 RESUBMIT APPROVED \_\_\_\_\_  
 BY *RLW* DATE 10-3-02

| REV. | REMARKS          | DATE | DWN | CHK | APP | Q.A. | NO. | DIA. | LGT | TYPE | WASHER |
|------|------------------|------|-----|-----|-----|------|-----|------|-----|------|--------|
|      | OUT FOR APPROVAL |      |     |     |     |      |     |      |     |      |        |
|      | ISSUED TO SHOP   |      |     |     |     |      |     |      |     |      |        |
|      | FIELD & OFFICE   |      |     |     |     |      |     |      |     |      |        |

|                                            |             |                        |                         |
|--------------------------------------------|-------------|------------------------|-------------------------|
| MATERIAL:                                  | ELECTRODES: | HOLES:                 | SHOP BOLTS:             |
| SURFACE PREP. & PAINT:                     |             |                        |                         |
| DESCRIPTION: CALC PLAN                     |             | DRAWN BY: WJG          | DATE: 06/21             |
| JOB: VT. ROUTE 9 OVER DEERFIELD RIVER      |             | CHKD BY: JAK           | DATE: 7/24              |
| BRIDGE 25B                                 |             | APPROV BY: _____       | SUPERVISOR: H. J. GATTI |
| SEARSBURG, VERMONT                         |             | Q.A.                   |                         |
| CONTRACTOR: J.A. McDONALD                  |             | PROJ NO. NHF-010-1(18) |                         |
| CUSTOMER: VERMONT AGENCY OF TRANSPORTATION |             |                        |                         |
| <b>CASCO BAY STEEL STRUCTURES, INC.</b>    |             | JOB NO. 167            | DRG. NO. WSI            |
| 75 SPRING HILL ROAD                        |             | SACO, MAINE 04072      |                         |
| PHONE (207) 282-7360                       |             | FAX. (207) 282-1179    |                         |
|                                            |             | REV. 1                 | △                       |

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