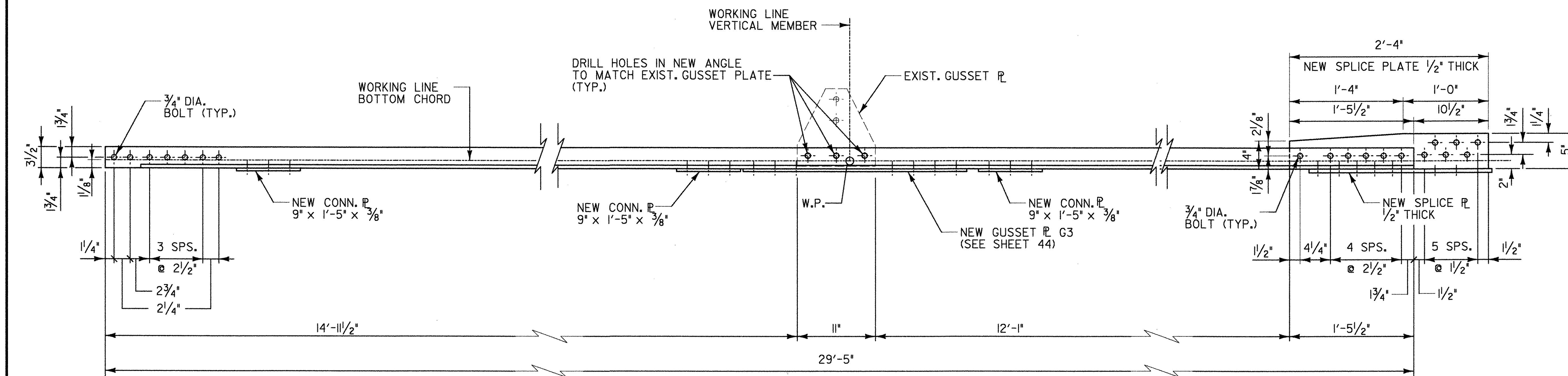


TOP VIEW



SIDE VIEW

**BOTTOM CHORD**  
MEMBERS BCI-1, 2, 9, 10, BC2-1, 2, 9 & 10

SCALE 1 1/2" = 1'-0"  
1 9 6 3 0

**NOTES:**

1. THE DIMENSIONS GIVEN FOR LOCATIONS OF GUSSET, CONNECTION AND SPLICE PLATES ARE FOR REFERENCE ONLY AND ARE BASED ON LIMITED FIELD MEASUREMENTS. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL GUSSET, CONNECTION AND SPLICE PLATES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER FIT AND ASSEMBLY OF ALL WORK.
3. IF AN EXISTING ANGLE IS INTENDED TO BE RE-USED, IT SHALL BE FULLY INSPECTED AFTER BLAST CLEANING. IF ANY AREA OF THE ANGLE EXHIBITS MORE CROSS SECTIONAL LOSS THAN THE FOLLOWING AS DETERMINED BY THE ENGINEER.

- A. 3/8" SQUARE INCH FOR MEMBERS BCI-1, 2, 9, 10, BC2-1, 2, 9 AND 10
- B. 1/2" SQUARE INCH FOR MEMBERS BCI-3, 4, 5, 6, 7, 8, BC2-3, 4, 5, 6, 7 AND 8

THE EXISTING ANGLE SHALL BE REPLACED WITH AN ANGLE OF THE FOLLOWING SIZE:

- A. L 3-1/2 x 3 x 1/2 FOR MEMBERS BCI-1, 2, 9, 10, BC2-1, 2, 9 AND 10
- B. L 5 x 5 x 3/4 FOR MEMBERS BCI-3, 4, 7, 8, BC2-3, 4, 7 AND 8
- C. L 5 x 3-1/2 x 3/8 FOR MEMBERS BC-5, 6, BC2-5 AND 6

REPLACEMENT ANGLES WILL BE PAID FOR UNDER CONTRACT ITEM 506.60 "STRUCTURAL STEEL".

4. STRUCTURAL STEEL FOR THE REPLACEMENT ANGLES SHALL BE AASHTO M 270M/M270 GRADE 50.
5. FOR ADDITIONAL STRUCTURAL STEEL AND HARDWARE REQUIREMENTS, SEE SHEET 20.

**STATE OF VERMONT**  
**AGENCY OF TRANSPORTATION**

Town Of **SWANTON** Bridge No. **18**  
Highway No. Log Sta. \_\_\_\_\_  
Surv. Sta. \_\_\_\_\_

**RAIL TRAIL OVER MISSISQUOI RIVER**

**LOWER CHORD REPAIR DETAILS 1**

Designed By **R. SACCHI** Drawn By **R. ROSS**  
Checked By **H. BUI** Date **1/23/08** Bridge Design Supervisor **R. SACCHI** Date **1/23/08**

PROJECT **SWANTON** PROJECT NO. **STP ST MHTB(1)**

I.G.C. Info. **ZD024LCI.dgn** I/30/2008  
Bridge Sheet No. **BR3** Sheet **30** of **63**