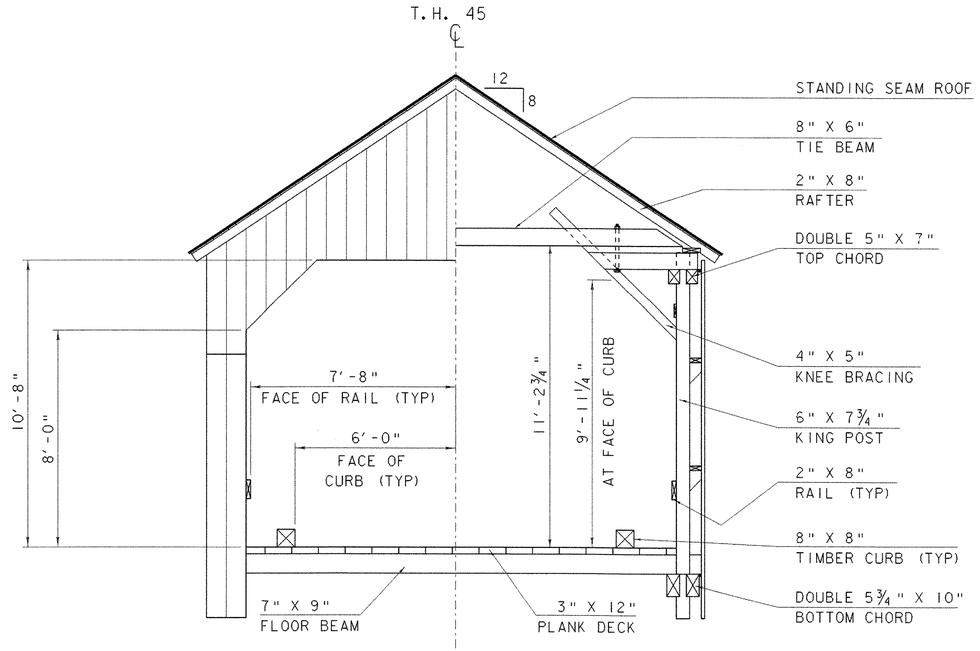
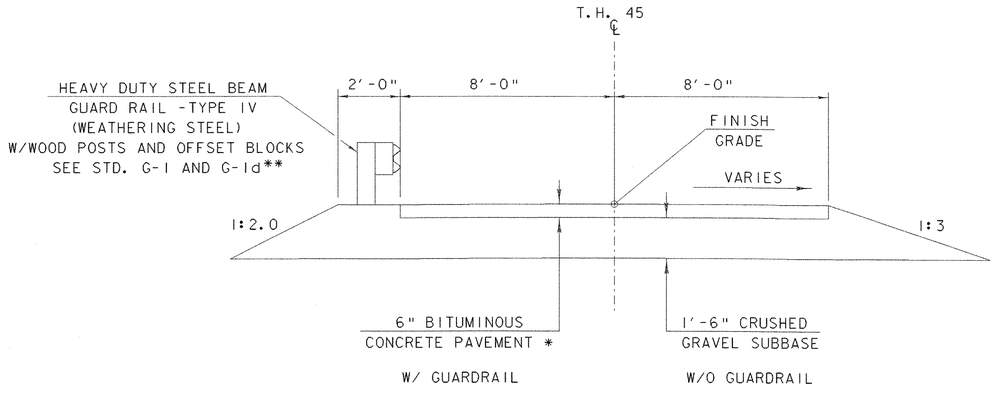


TYPICAL SECTION

SCALE: ⅜" = 1'-0"



**IF TYPE V (ALKALINE COPPER QUAT) PRESERVATIVE IS USED THEN AN ALTERNATIVE APPROVED MATERIAL SHALL BE USED FOR THE OFFSET BLOCKS.

* 1½" TYPE III OR IV OVER
1½" TYPE III OR IV OVER
3" TYPE I OR II

TYPICAL ROADWAY SECTION

SCALE ⅜" = 1'-0

PRELIMINARY HYDRAULICS REPORT:

Drainage Area: 86.7 sq.mi.

Peak Flow Data:

Q2.33 - 2550 cfs
Q10 - 4900 cfs
Q25 - 6425 cfs
Q50 - 7900 cfs
Q100 - 9100 cfs

Existing Structure:
Clear Span (Normal To Stream): 50 ft
Vertical Clearance Above Water Level, on Date of Survey: 7'-2"

Permit Information:
Ordinary High Water: 519 ft

Required Channel Protection Type III Stone Fill

DESIGN CRITERIA:
1. DESIGN LIVE LOAD AASHTO H6
2. DESIGN SPAN 67'
3. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL N/A ON LEDGE N/A
4. ALLOWABLE LOAD FOR PILING N/A TYPE N/A ESTIMATED LENGTH N/A
5. STRUCTURAL STEEL AASHTO GRADE N/A
6. REINFORCING STEEL GRADE 60
7. CONCRETE, HIGH PERFORMANCE CLASS B f'_c = 3500 PSI

TRAFFIC MAINTENANCE:
1. IS TRAFFIC TO BE MAINTAINED? NO IF YES, ON EXISTING STRUCTURE N/A OR ON TEMPORARY BRIDGE N/A
2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY N/A TRAFFIC CONTROL SIGNALS REQUIRED N/A
MINIMUM
ARE SIDEWALKS REQUIRED? NO IF SO, ON WHAT SIDE? N/A

LOAD RATING (TONS)

STRESS LEVELS (WORKING STRESS)	TRUCK						
	H	HS	3S2	6 AXLE	3A.STR.	4A.STR.	5A.SEMI
INVENTORY	6						
POSTED	7						
OPERATING	8						

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
1994	50				
2012	70				

Design speed: 35 mph

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of TUNBRIDGE	Bridge No. 33
Highway No. TH 45	Log Sta.
	Surv. Sta.

TH 45 OVER FIRST BRANCH OF THE WHITE RIVER

PRELIMINARY INFORMATION

Designed By R.S. YOUNG	Drawn By E.L. RUSTAY
Checked By R.S. YOUNG	Date 10/03
Bridge Design Supervisor C.P. WILLIAMS	Date 10/03
PROJECT TUNBRIDGE	PROJECT NO. BHO 1444(42)
I.G.C. Info. s03j032/Structures/s03j032pi.dgn	s03j032pi.i
Bridge Sheet No.	Sheet 2 of 40