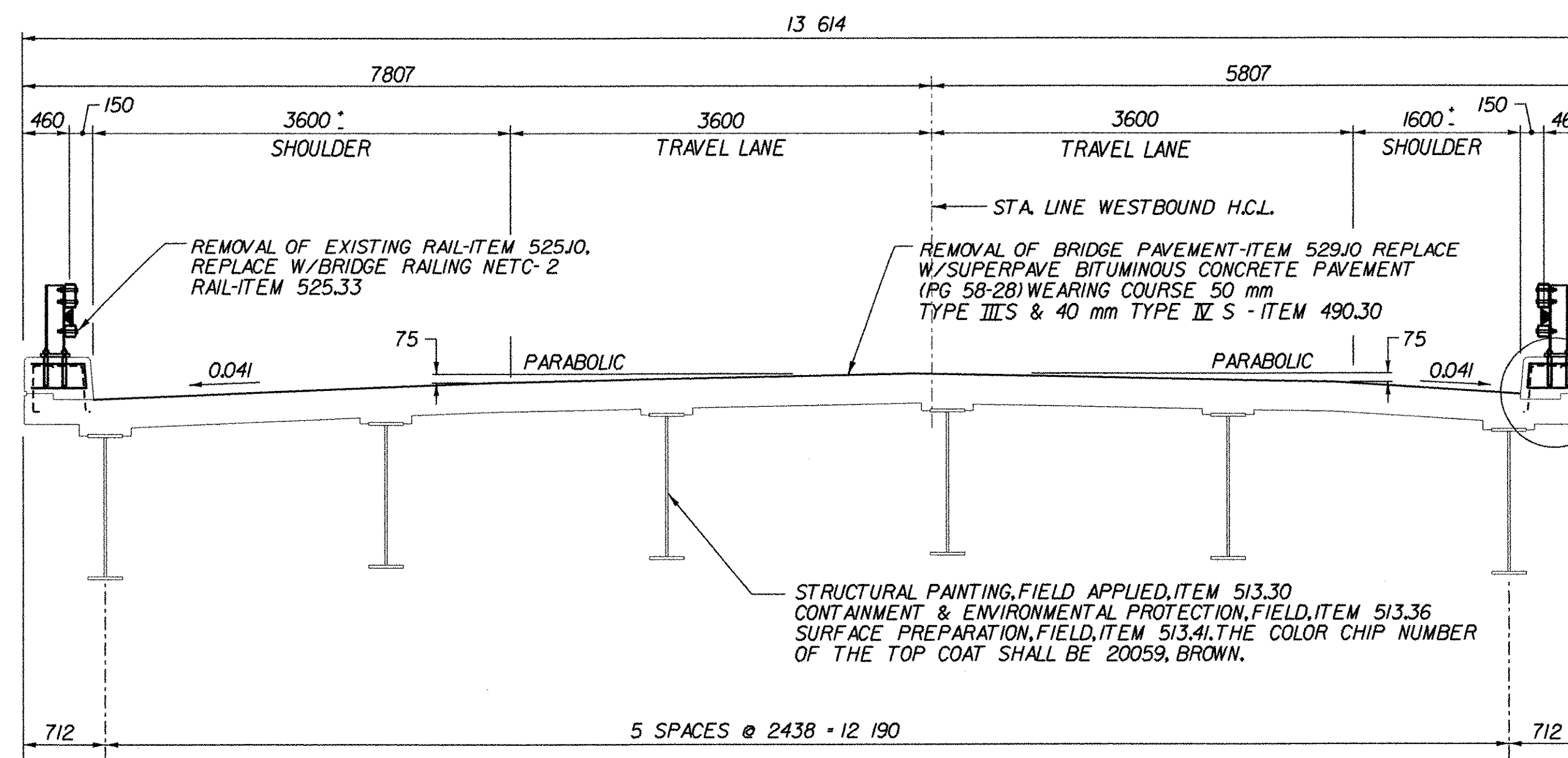
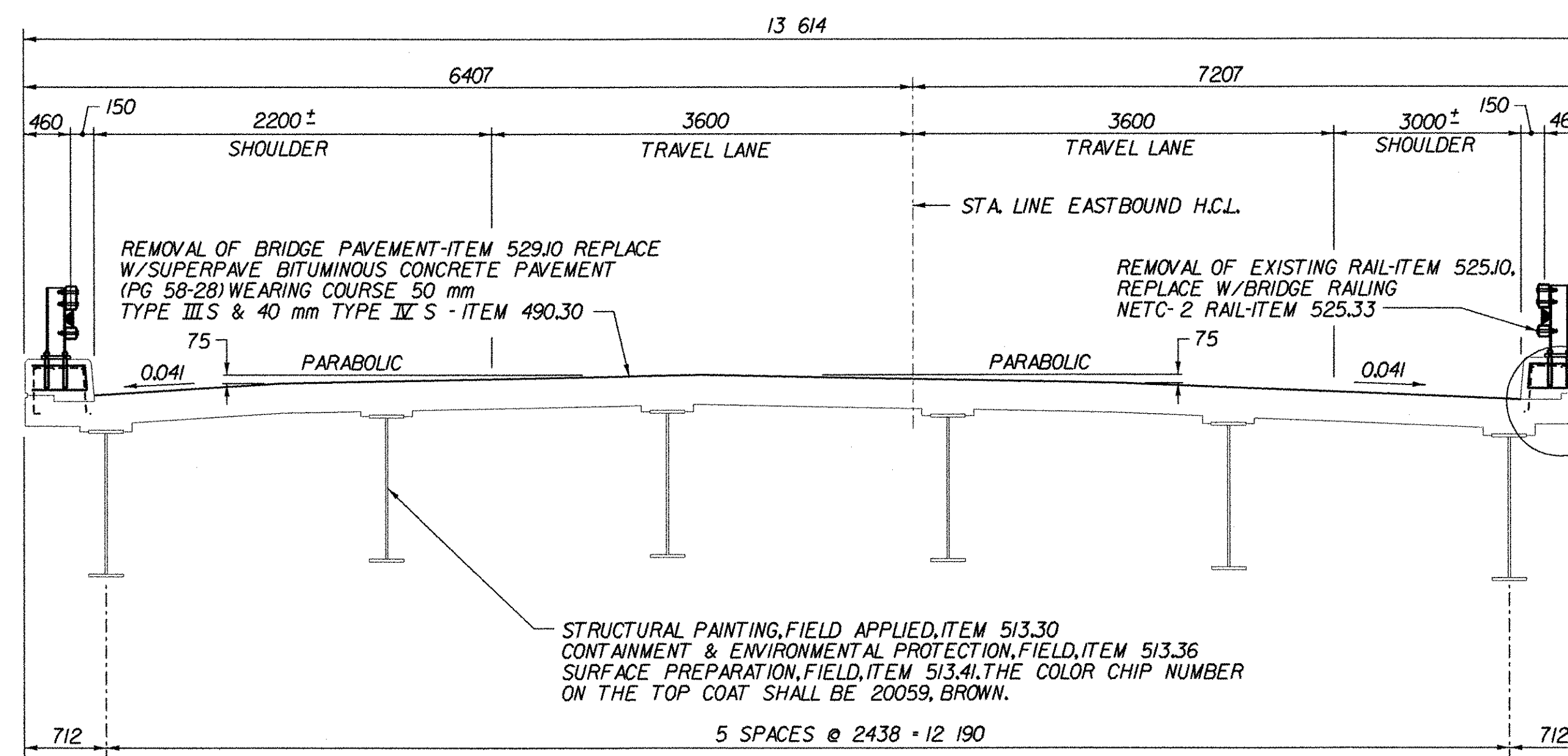
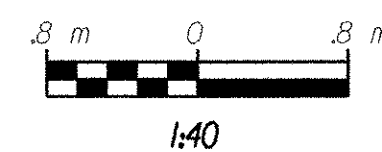


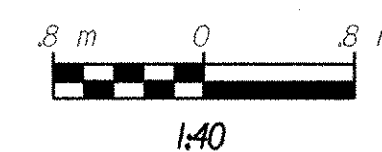
NOTE: UNLESS NOTED OTHERWISE, ALL STATIONS ARE IN KILOMETERS, ALL ELEVATIONS ARE IN METERS, AND ALL DIMENSIONS ARE IN MILLIMETERS.



TYPICAL BRIDGE SECTION (WESTBOUND)



TYPICAL BRIDGE SECTION (EASTBOUND)



RAILING ANCHORAGE NOTES:

- NEW ASTM A449-22 mm DIAMETER ANCHOR BOLTS TO BE CAST-IN-PLACE SHALL BE FURNISHED WITH TWO NUTS AND ONE WASHER. BOLTS, NUTS AND WASHERS SHALL BE FURNISHED UNDER ITEM 525.33. BRIDGE RAILING-NETC 2 RAIL.

NOTES:

- SEE SHEET NO. BR3 FOR ASPHALT OVERLAY REMOVAL AND REPLACEMENT NOTES AND FOR DECK SLAB REPAIR DETAILS.
- SEE SHEET NO. BR2 FOR CURB REMOVAL AND REPLACEMENT DETAILS.

LOADING LEVELS (LOAD FACTOR)	LOAD FACTOR LOAD RATING (METRIC TONS)						
	M	MS	3S2	6 AXLE	3A,STR.	4A,STR.	5A,SEMI
INVENTORY							
A = 2.17, B = 1.00	20	36					
POSTED							
A = 1.55, B = 1.80	28	51	56		50	55	62
OPERATING							
A = 1.30, B = 1.67		61	67	66	54	58	
$RF = \frac{\phi M_n - 1.3 M_{DL}}{A \times M_{LL} + I}$ $*SERVICEABILITY RF = B \left[\frac{.95 F_y S_{LL} + I - M_{DL} \frac{S_{LL} + I}{S_{DL}} - M_{SOL} \frac{S_{LL} + I}{S_{SDL}}}{1.67 M_{LL} + I} \right]$							
PROJECTED TRAFFIC DATA							
YEAR	ADT	DHV	% D	% T	ADTT		
2000	5300	-	-	-	-		
2020	6600	840	52%	7%	460		

20 YEAR ESAL FOR FLEXIBLE PAVEMENT FROM 2000 TO 2020 = 4,625,000
40 YEAR ESAL FOR FLEXIBLE PAVEMENT FROM 2000 TO 2040 = 17,229,000
DESIGN SPEED: 100 km/h

STATE OF VERMONT AGENCY OF TRANSPORTATION		
Town Of	BENNINGTON	Bridge No. BRI100
Highway No.	VT. RTE. 279	Log Sta.
		Surv. Sta. 17+780
VT. RTE. 279 OVER VT. RAILWAY		
EXISTING TRANSVERSE BRIDGE SECTIONS		
Designed By	D. STECIAK	Drawn by K. RAPELLO
Checked By	Date	Bridge Design Supervisor
M.W. OLSTAD	02/04	M.W. OLSTAD Date 02/04
PROJECT	BENNINGTON-HOOSICK	PROJECT NO.
		D.P.I. 0146(1) C/6
I.G.C. Info.		
Bridge Sheet No.	BRI101	Sheet 68 OF 83

FILE NAME = ut\125002\mstn\final\rr\brg\transht.plt
DATE/TIME = 2/17/2004
USER = 2225