

TYPICAL ELEVATION
SCALE: 1"=10'-0"

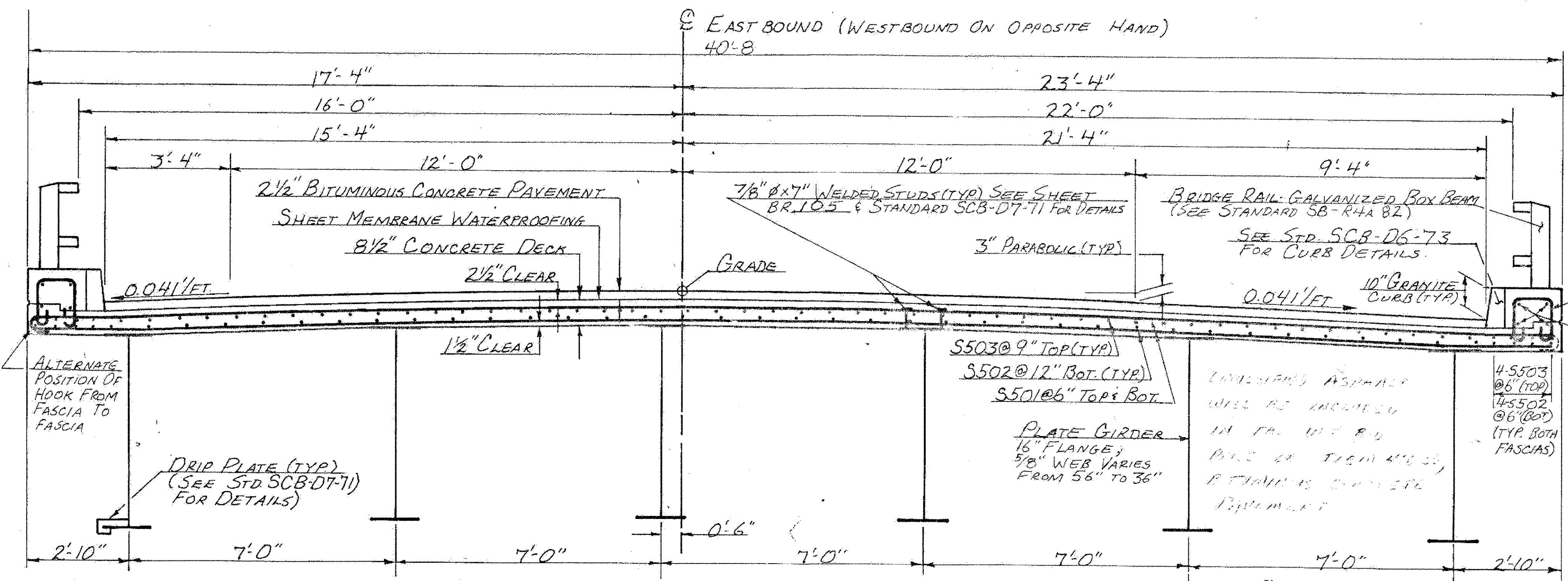
WESTBOUND			EASTBOUND		
LOCATION	STATION	FINISH GRADE ELEV.	LOCATION	STATION	FINISH GRADE ELEV.
BEGIN BRIDGE	788+96.25	528.16	BEGIN BRIDGE	788+90.75	528.14
BEGIN BEAMS	788+97.00	528.15	BEGIN BEAMS	788+91.50	528.14
Q BRG. PIER #1	789+19.00	528.01	Q BRG. PIER #3	789+13.50	528.00
Q BRG. PIER #2	790+39.00	527.25	Q BRG. PIER #4	790+33.50	527.24
END BEAMS	790+61.00	527.11	END BEAMS	790+55.50	527.10
END BRIDGE	790+61.75	527.10	END BRIDGE	790+56.25	527.10

INDEX OF SHEETS

STANDARDS

- SB-R4A-82-R-6-18-82
- SB-R4B-82-12-28-81
- SCB-D1-75-R-9-14-81
- SCB-D4-76-1-8-76
- SCB-D6-73-R-1-3-79
- SCB-D7-71-R-12-15-76

- BR100 - PRELIMINARY INFORMATION; TYPICAL ELEVATION & BRIDGE SECTION
- BR101 - PLAN
- BR102 - BRIDGE QUANTITY SHEET
- BR103 - BORING LOG
- BR104 - BORING LOG & GENERAL NOTES
- BR105 - FRAMING, GIRDER & SPLICE DETAILS
- BR106 - BEARING & DIAPHRAGM DETAILS; DEAD LOAD & CAMBER DIAGRAMS
- BR107 - ABUTMENT DETAILS
- BR108 - APPROACH & DECK SLABS, FILLET & PIER DETAILS
- BR109 - REINFORCING STEEL SCHEDULE



TYPICAL BRIDGE SECTION
SCALE: 1/2"=1'-0"

NEW STRUCTURE

STRUCTURE GEOMETRY:

- STRUCTURE TYPE: 3 SPAN CANTILEVER COMPOSITE PLATE GIRDER OVERALL LENGTH 165'-6"
- SPAN LENGTH CENTER TO CENTER OF BEARINGS: 22'-0"; 120'-0"; 22'-0"
- VERTICAL CLEARANCE ABOVE ROAD UNDER: 14'-11"

ALLOWABLE STRESSES:

- DESIGN LIVE LOAD AASHTO: HS 25
- ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL: N/A ON LEDGE: N/A
- ALLOWABLE STRESS FOR REINFORCING STEEL GRADE 60 TENSION: 24,000 PSI COMPRESSION: 20,000 PSI
- ALLOWABLE STRESS FOR CONCRETE CLASS A: 3,500 PSI CLASS B: 3,500 PSI
- ALLOWABLE LOAD FOR PILING: N/A TYPE: N/A
- ALLOWABLE STRESS FOR STRUCTURAL STEEL ASTM A-588: TENSION 27,000 PSI

STRESS LEVELS	LOAD RATING (TONS)					
	H	HS	3S2	6 AXLE	3A STR	4A STR
INVENTORY 0.55 Fy = 27.0 KSI	40	50				
POSTED 0.67 Fy = 33.50 KSI	64	73	82	69	70	77
OPERATING 0.75 Fy = 37.5 KSI			97	110		

RECOMMENDED FOR APPROVAL: Warren B. Tupper, 4/25/83, STRUCTURES ENGINEER, DATE

RECOMMENDED FOR APPROVAL: R.P. Egan, 4/27/83, CHIEF OF DESIGN, DATE

APPROVED BY: [Signature], DIRECTOR OF ENGINEERING & CONSTRUCTION, DATE

FAIR HAVEN - RUTLAND BHF MEMB(2) SHEET 27 OF 45 BRIDGES 16 E & W FOR REFERENCE ONLY

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF WEST RUTLAND, Bridge No. 1
HIGHWAY NO. US 4, Log Sta. [blank]
Surr. Sta. 790+00

PRELIM. INFO. & TYP. ELEVATION & BRIDGE SECT. US 4 OVER TWO-WAY RAMP

Designed by R.P. GENDRON, Drawn by S. BASCOM
Checked by R. RAMALDO, date 6-83, Bridge Design Supervisor
R.S. HAUPT, date [blank]

PROJECT NO. WEST RUTLAND - RUTLAND, PROJECT NO. FECC 020-1(15)
Bridge Sheet No. BR100, Sheet 76 of 377