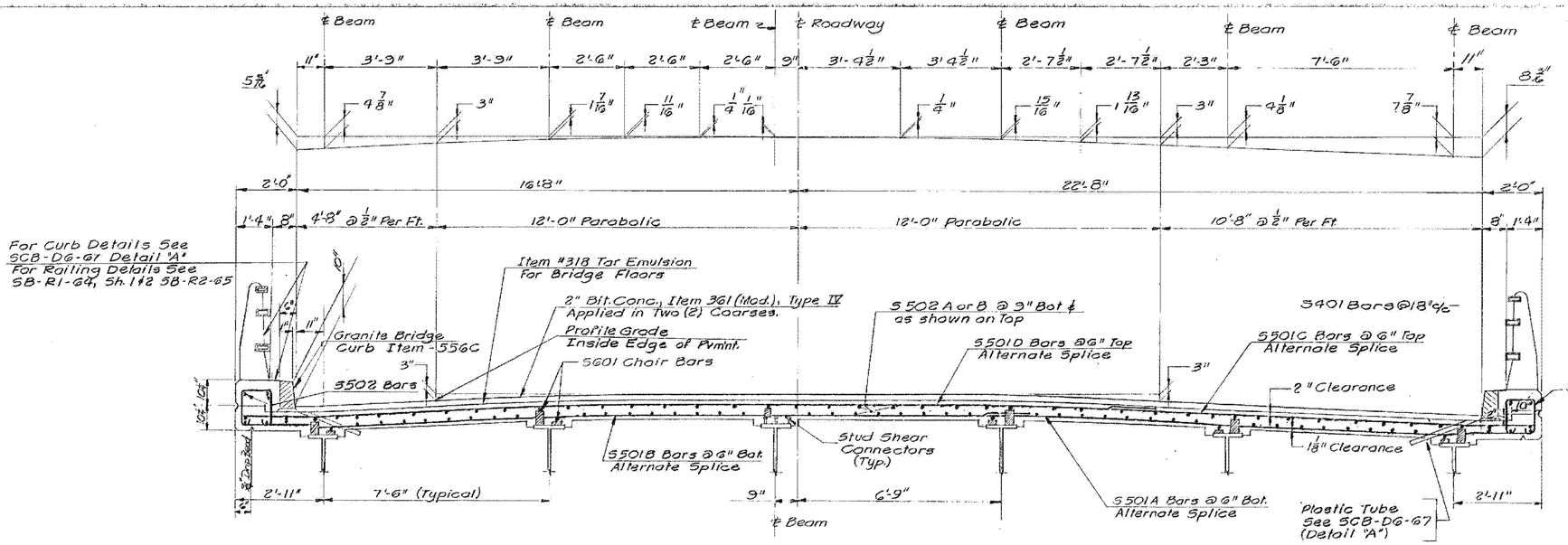


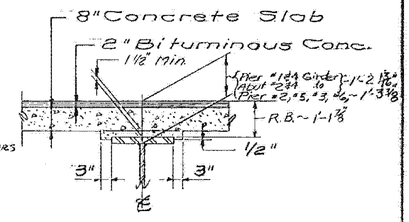
TYPICAL DECK SECTION

(NORTHBOUND SHOWN)

SCALE : 1/2"=1'-0"

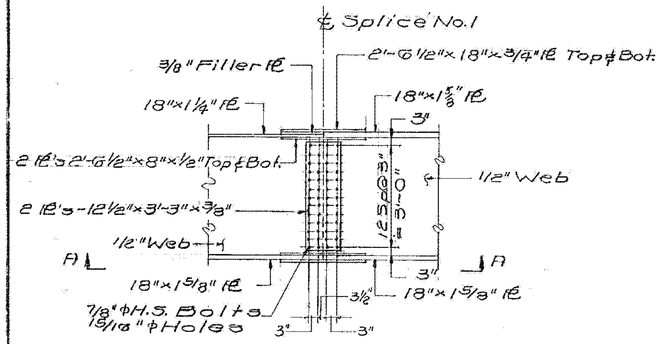
Floor Slab to be concrete, class AA 8" thick, dapped as shown at Beam Haunch, Surface to be finished with a self-propelled concrete finishing machine. Partial parabolic crown, as per detail, to be obtained by stepping bridge seats. Cut S501 Transverse Bars at skew end and use cut off on opposite end.

Note: Water Repellent, Item 490 Shall Be Used on Top of Safety-Walk And on The Fascia And Back To The Fascia Beam Under The Slab.



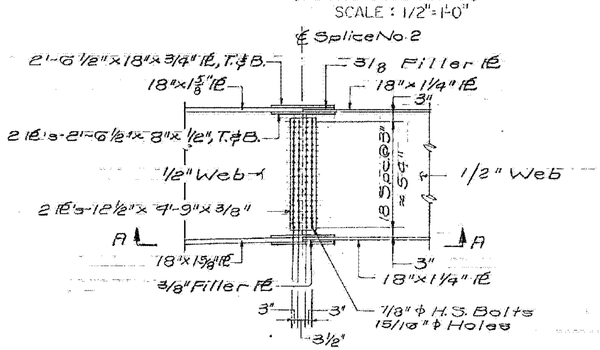
BEAM HAUNCH DETAIL

N. T. S.



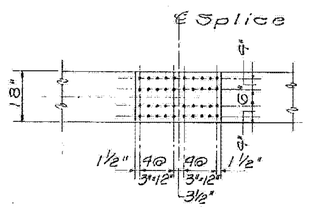
SPLICE NO. 1

SCALE: 1/2"=1'-0"



SPLICE NO. 2

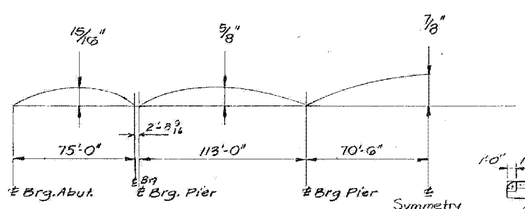
SCALE : 3/8"=1'-0"



VIEW A-A

SCALE: 1/2"=1'-0"

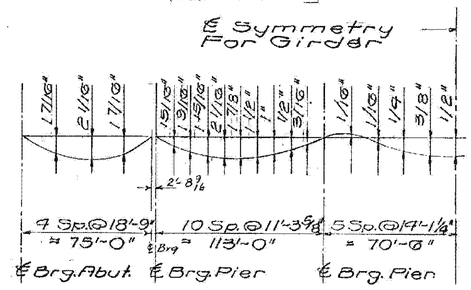
BARTON-COVENTRY
IM BPNT (11)
SHEET 61 OF 84
BRIDGE 107S
FOR REFERENCE ONLY



PERMANENT CAMBER AFTER DEAD LOAD IS APPLIED

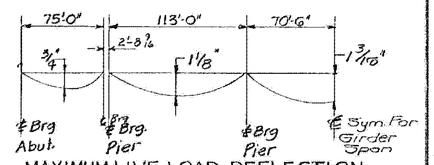
CAMBER DIAGRAM

NOT TO SCALE



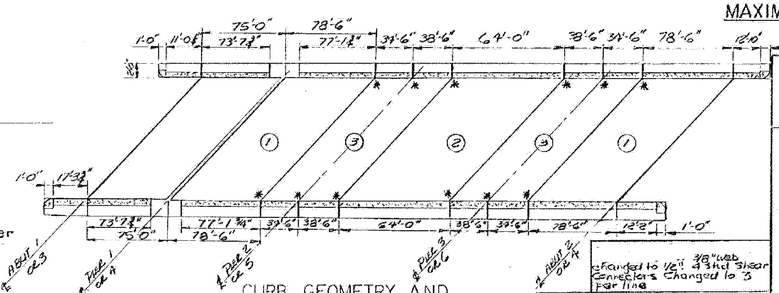
TOTAL DEAD LOAD DEFLECTIONS

N.T.S.



MAXIMUM LIVE LOAD DEFLECTION

NOT TO SCALE



CURB GEOMETRY AND CONCRETE PLACING DIAGRAM

NOT TO SCALE

* - For Curb Joint Detail See BR 118
For Detail at Pier 1 & 4 See BR. 110
For Detail at Abut 1 & 3 See BR. 117
For Detail at Abut 2 & 4 See BR. 116

Changed to 16" 3/8" Web Shear Connectors Changed to 3 per line

Changed Roadway width from 38'-0" to 39'-4" Changed Curb width from 2'-8" to 2'-0" 12 Tech 7/23/69

SUPERSTRUCTURE NOTES:

1. For general notes and design stresses see std. sh. SCB-D1-67
2. For details of shear connectors see std. sh. SCB-D2-67
3. For bearing details at abutments see std sh. SCB-D8-67 & Br 111 & Br 108.
4. All cover plate welds to be ⅛" fillet continuous shop welds.
5. All field connections to be made with ⅞" ϕ High Strength Bolts with 15/16" ϕ Holes.
6. Structural Steel shall be ASTM A-36-62T unless otherwise noted.
7. Scuppers to be placed @ 50' (±) except as noted. Do not place above SA 3 or Railroad.
8. For curtain wall details, Approach Slab bracket details, See SCB-D2-67, Detail A.

BR 109 of 129

STATE OF VERMONT

DEPARTMENT OF HIGHWAYS

PROJECT IRASBURG-DERBY

TOWN OF IRASBURG

ROUTE No. I-91 STA. 2539+

I-91 OVER BARTON RIVER AND SA 3

DECK SECTION AND SPLICE

SCALE AS NOTED

IN CHARGE C. TERENZIO

DRAWN BY J.M.B. CHECKED BY A. CENTORE

PROJECT No. 191-3(8) 9-67

SHEET 178 OF 605 BR. 109