Begin Bridge
Back of Abut. #1
Sta. 18+36.00
Fin. Gr. 491.19
Fixed End

℄ Pier #1
Sta. 18+70.00
Fin. Gr. 492.02

℄ Pier #2
Sta. 19+54.00
Fin. Gr. 492.99

℄ Pier #3
Sta. 20+43.00
Fin. Gr. 492.26

End Bridge
Back of Abut #2
Sta. 20+67.00
Fin. Gr. 491.23
Exp. End

NORTH

Stationing

Minor Chord

Major Chord

Fixed

Exp.

℄ Brngs.

Typical all Spans

18[42.7 Diaphragms
Typical for Spans #2, 3, 4.

Bm. #1
Bm. #2
Bm. #3
Bm. #4
Bm. #5
Bm. #6
Bm. #7
Bm. #8
Bm. #9
Bm. #10
Bm. #11
Bm. #12
Bm. #13
Bm. #14
Bm. #15
Bm. #16

61'-20'-24" Typ. @ Span #1
64'-58'-48" Typ. @ Span #2
61'-31'-12" Typ. @ Span #3
63'-00'-00" Typ. all Spans
58'-51'-36" Typ. @ Span #4

31'-10" c.c. Brngs. @ Span #1
81'-9 3/8" c.c. Brngs. @ Span #2
86'-8 1/2" c.c. Brngs. @ Span #3
41'-7 15/16" c.c. Brngs. @ Span #4

30 WF 108
Camber 5/8"

36 WF 230
Btm. Cover Pl 14"x1 5/16" x 49'-5"
Camber 3 5/8"

36 WF 230
Btm. Cover Pl 14"x1 5/16" x 59'-5"
Camber 3 5/8"

36 WF 135
Camber 7/8"

Note
Intermediate diaphragms for Span #1 are 18[33.9. All pier diaphragms are 18[42.7.

FRAMING PLAN
Scale: 1"=10'-0"

DETAIL A

DETAIL B

Rail Post Spacing – 36 Spcs. @ 7'-0 3/8" = 253'-1 1/2" (Arc Length)

Back of Abut #1

℄ Pier #1

℄ Pier #2

℄ Pier #3

Back of Abut #2

252'-5 1/4" = Arc Length of Granite Bridge Curb Between Joints at Abuts.

251'-0" (Arc Length)

36 Spcs. @ 7'-0" = 252'-0" (Arc Length)

℄ of Rail Post Anchor Bolts

℄ Bridge ℄ Tn. Rd. #37

RAIL POST SPACING ℄ GRANITE BRIDGE CURB
Scale: 1"=10'-0"

℄ Bridge
2'-5" 12'-0" 12'-0" 2'-5"
7½" Conc. Slab
1½" Bit. Conc. Pavm't.
12" Granite Br. Curb
Bank 3/8" per ft.
Varies 7'-6" Varies Varies 7'-6" Varies

TYPICAL SECTION
Scale: 1"=4'-0"

NOTES

① For General Notes see Std. Dwg. SCB-D1-62.

② For Details not shown on the Typical Section see Std. Dwg. SCB-24-62.

③ For Curb Details refer to Std. Dwg. SCB-D6-62, Det. A

④ For Structural Steel Details not shown see Std. Dwgs. SCB-D2-62, SCB-D3-62, SCB-D7-62, and SCB-D8-62, and SCB-D9-62, Det. A.

⑤ For Bridge Railing Details see Std. Dwgs. SB-56-62, Sheets 1 and 2.

⑥ Bridge Railing on this Sheet is detailed for Aluminum. If Steel Railing is substituted in lieu of Aluminum, post spacing must be detailed not to exceed 10'-0" in accordance with Std. Dwg. SB-56-62, Sheet #1.

⑦ The beams are parallel to the minor chords of their respective spans. The abutments and piers are parallel to each other.

⑧ No scuppers are to be used on this bridge.

⑨ Struct. Stl. is designed for 20000 psi. (ASTM-A36-62 T).

WESTMINSTER-NORWICH
IM BPNT (8)
SHEET 13 OF 58
BRIDGE 31

FOR REFERENCE ONLY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF WEATHERSFIELD - WINDSOR - HARTLAND
ROUTE NO. I 91 LOG STA.
FRAMING PLAN, RAILING & GRANITE CURB LAYOUT
TOWN RD. #37 over I 91
SCALE As Noted
SURVEYED BY Martin
DRAWN BY F.W.B. CHECKED BY J.J.C. 4/15/63
PROJECT NO. I 91-1(21) Contr. #1
SHEET 48 OF 180

BR-104