

HIGHWAY NO. 81 NAME OF HIGHWAY INTERSTATE
STRUCTURE NO. COUNTY WINDSOR TOWN WESTMINSTER
PROJECT NO. 131-1(11) LOCATION STA. 1360+00 TO 1362+00



FOUNDATION INFORMATION
OBTAINED FOR DESIGN PURPOSES ONLY AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. BOLDERS MAY BE ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION FOR BORING LOGS, SEE SHEET NO. 131.

GENERAL NOTES

DESIGN SPECIFICATIONS:
ARSHO 1955 Edition and as modified by Vermont Dept. of Highway's

LIVE LOAD:
H20-S16-44 and Military Loading

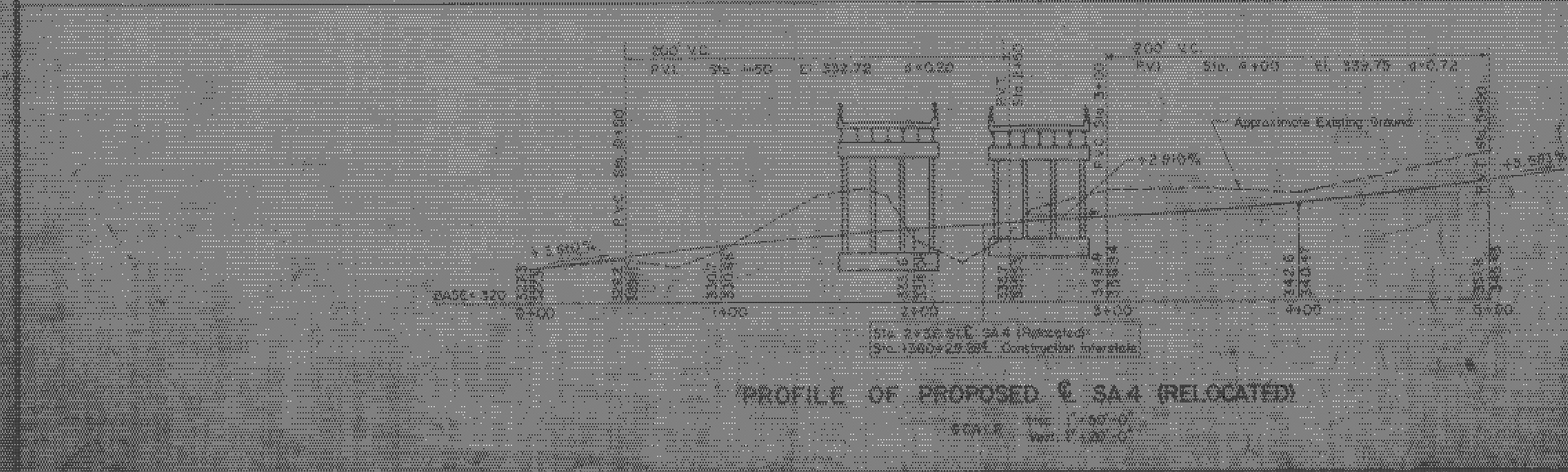
DESIGN STRESSES:
Structural Steel $f_y = 18,000$ p.s.i.
Reinforcing Steel $f_y = 20,000$ p.s.i.
Concrete $f_c = 1,800$ p.s.i. $R_{13} = 3,000$ p.s.i.

CLEARANCE:
Horizontal as shown on drawings.
Vertical: 14'-0" Left Lane Interchange

SUPERSTRUCTURE:
Separate structure for each lane.
42 Reinforcing 1" x 8" Safety Walks along 32'-0" x 20'-0"
3 Single course rotol beams composite design on 24" x 24" x 11 @ 2' (Left Lane 35'-0" x 20'-0", Right Lane 35'-0" x 20'-0")
Aluminum bridge railing as governed bridge design - grade bridge curb as per 58-10-57 (10-2)
Shoring and shoring structures as per 58-20-55
Approach slab as per 58-10-55 30" x 30" x 5"

SUBSTRUCTURE:
Piers: Round columns, Left Lane spaced 4'-0" on center, Right Lane spaced 12'-0" on center.
Slab: oblong.

FOUNDATIONS:
Slab: oblong, 32' x 20' x 20' on center
Piers: Conventional footing, 20' x 20' x 20' on center



SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NET	OVER-RUN	TOTAL	FINAL
102	Structure Excavation	C.Y.	404	404	808	286
204	Sub-base of Crushed Rock (Mod.)	C.Y.	88	88	176	176
222	Gravel Backfill	C.Y.	34	34	68	68
300	Diaphragm Concrete Reinforced	Tons	88	88	176	176
401B	Concrete Class 5 (Mod.)	C.Y.	88	88	176	176
402	Reinforcing Steel	Lbs.	182,150	182,150	364,300	364,300
403	Special Reinforcement (4270 LBS)	Lbs.	11	11	22	22
404A	Structural Steel	Lbs.	208,250	208,250	416,500	416,500
407	Asphaltic-Asbestos Coating	S.F.	113	113	226	226
504	Steel Piling	L.F.	4,640	4,640	9,280	9,280
505	Aluminum Bridge Curb (Type 1)	L.F.	108	108	216	216
507	Bridge Railing	L.F.	108	108	216	216
508	Forming for Drilling Pile	Required	1	1	1	1
509	Case for Steel Piling	Each	2	2	4	4
510	Oil Tank for Drilling Pile	Each	1	1	2	2

LIST OF SHEETS

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134	ABUTMENT AND PIER
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139	REINFORCING SCHEDULE
140	REINFORCING SCHEDULE FOR
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144	SA-4 (REL.) CROSS SECTIONS
145	SA-4 (REL.) CROSS SECTIONS
146	SA-4 (REL.) CROSS SECTIONS
147	SA-4 (REL.) CROSS SECTIONS
148	SA-4 (REL.) CROSS SECTIONS
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IR-DECK (26) BRIBES WL (AS)
THIS SHEET FOR INFORMATION ONLY

WESTMINSTER - NORWICH
IM MEMB(30)
SHEET 13 OF 38
FOR REFERENCE ONLY