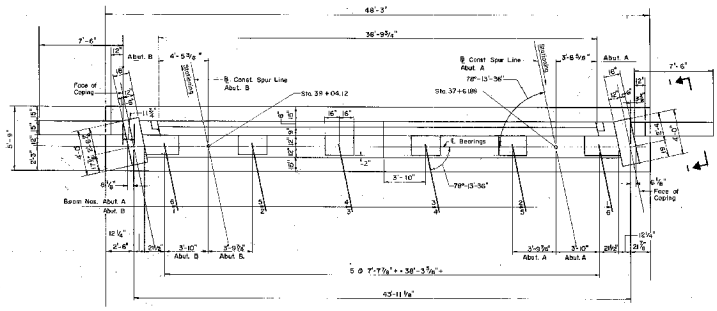
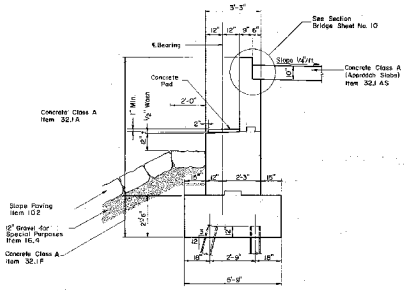
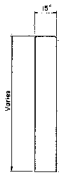
FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.	5-93-1(81)1	19	163	



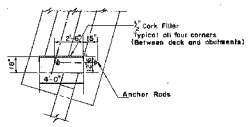
PLAN ABUTMENT A
(ABUTMENT B SIMILAR EXCEPT AS NOTED)
Scale: 1/16" = 1'-0"



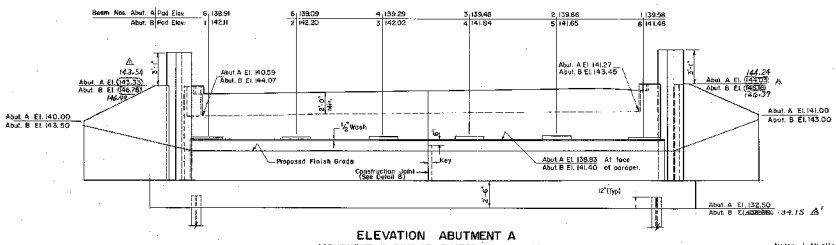
TYPICAL ABUTMENT SECTION
Scale: 3/8" = 1'-0"



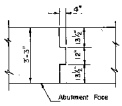
TYPICAL WINGWALL SECTION
Scale: 3/8" = 1'-0"



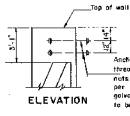
PLAN



ELEVATION ABUTMENT A
(ABUTMENT B SIMILAR EXCEPT AS NOTED)
Scale: 1/4" = 1'-0"



DETAIL B
No Scale



ELEVATION

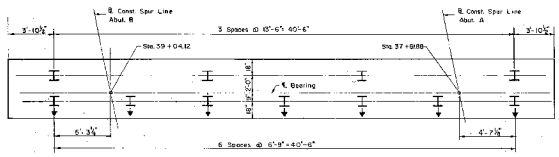
SECTION 1-1
Scale: 1/4" = 1'-0"

Notes: 1. All piles to be 10BP42. Maximum Design Load 37 Tons.
2. ⊥ Indicates pile battered 3 on 12 in direction of arrows.
3. Estimated average length of piles: Abutment A = 52. Abutment B = 56
4. For further pile notes see Special Provisions.
5. All exposed edges of concrete to have 1" chamfer.
6. Piles shall be driven to refusal or as directed by the Engineer.
7. Place as much fill as practicable before driving the steel bearing piles.
8. Fill in vicinity of piles shall be free from rock.

ESTIMATE OF ABUTMENT QUANTITIES

ITEM NO.	DESCRIPTION	ABUT. A	ABUT. B	UNITS
16.4	Gravel for Special Purposes	75	75	C.Y.
32.1A	Concrete Class A (Wing Footings)	36	38	C.Y.
32.1F	Concrete Class A (Footings)	26	26	C.Y.
35	Reinforcing Steel △ 4,509	2,938.5	1,956.5	Lbs.
43.3	Steel Bearing Piles	24,024	25,410	Lin.
47	Membrane Waterproofing	17	17	S.Y.
102	Slope Paving	2025	2025	S.F.

△ 4,571



PILE PLAN
Scale: 1/8" = 1'-0"

△	Revised footing Grade	F.S.L.	11/1/96
△	Revised Fed. Or. w/wing d/e w/s.	G.L.F.	6/7/00
△	DESCRIPTION	BY	DATE

REVISIONS

THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CONCRETE

TOWN SALEM — BRIDGE NO. 093/061
FEDERAL PROJECT E-93-1(81)1 — STATE PROJECT P-3680-B

SPUR LINE OVER POLICY ROAD

ABUTMENTS

	BY	DATE		BY	DATE	BRIDGE SHEET NO.
DESIGNED	D.E.	9/56	CHECKED	C.J.M.	10/56	3 of 10
DRAWN	D.W.S.	9/56	CHECKED	C.J.M.	10/56	FILE NUMBER
TRACED	D.W.D.	9/56	CHECKED	C.J.M.	10/56	13-1-9
QUANTITIES	N.R.	10/56	CHECKED	C.J.M.	10/56	

FEDL. NO.	SHEET NO.	TOTAL SHEETS
1-93-1(81)11	19	163