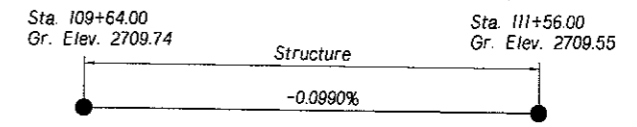
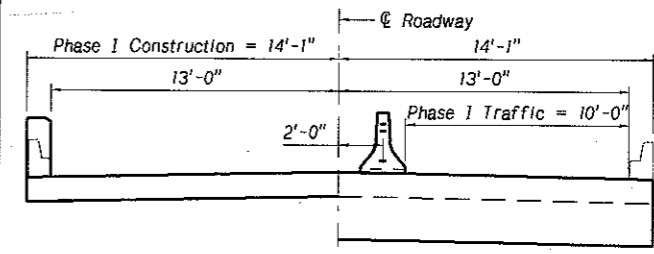


BRIDGE ENGINEER

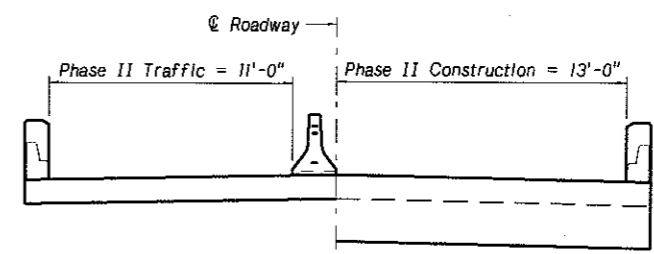
COUNTY THOMAS HWY. NO. S86B REF. POST. 0.21 STA. 110+59.59  
 LOCATION: HALSEY SPUR BRIDGE 3 SPANS CONCRETE SLAB BRIDGE REPAIR  
 ROADWAY 26 FT DESIGN LIVE LOAD N/A  
 GENERAL PLAN AND GENERAL ELEVATION  
 DATE: September 2011  
 CHECKED BY: KB  
 DETAILED BY: DAB  
 STATE OF NEBRASKA - DEPARTMENT OF ROADS - BRIDGE DIVISION



VERTICAL CURVE DATA  
Not to Scale  
(Along  $\phi$  Clear Roadway)



PHASE I TRAFFIC SECTION  
Scale: 1/4" = 1'-0"



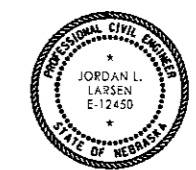
PHASE II TRAFFIC SECTION  
Scale: 1/4" = 1'-0"

The borings, as logged on the plans, represent the character of the subsoil at the location indicated. No guarantee is made that the subsoil conditions vary uniformly between or outside the given location.

Figures beside the column of borings indicate the number of blows required to drive a standard penetrometer, of 2" O.D., the second and third 6" using a 140 lb weight falling 30", in accordance with A.S.T.M. D1586 procedures.

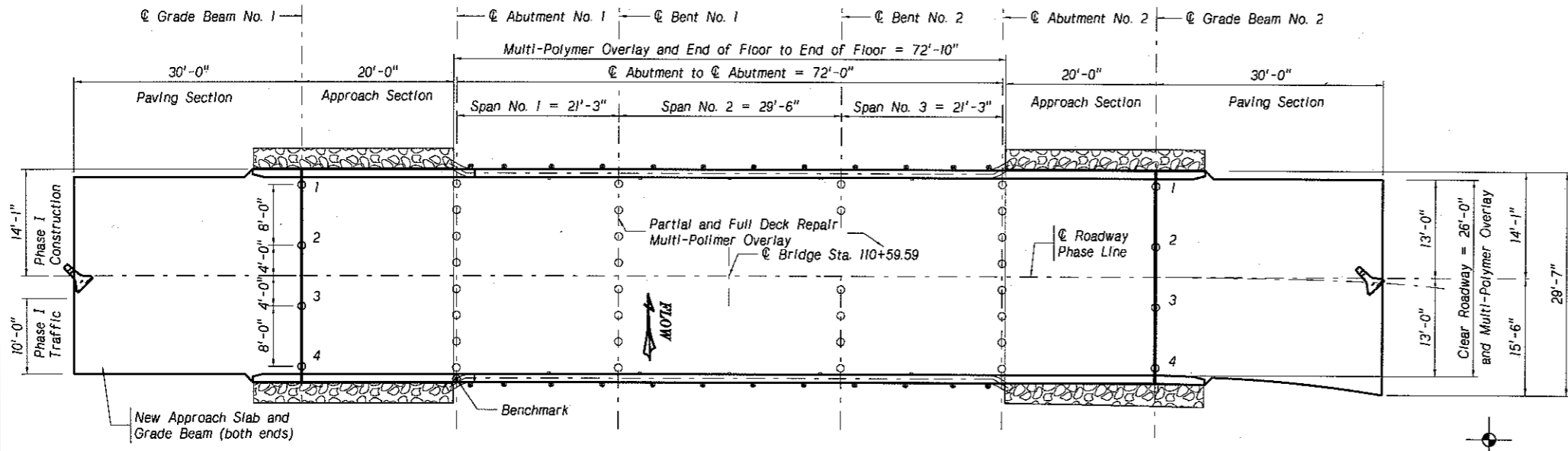
HORIZONTAL CURVE DATA

P.I. Sta. 113+91.48  
 $\Delta = 106^\circ 33' 9.82''$  Rt.  
 T = 274.42  
 L = 380.71  
 R = 204.72  
 P.C. Sta. 111+17.06  
 P.T. Sta. 114+97.78



PRELIMINARY PLAN  
NOT FINAL - SUBJECT TO CHANGE

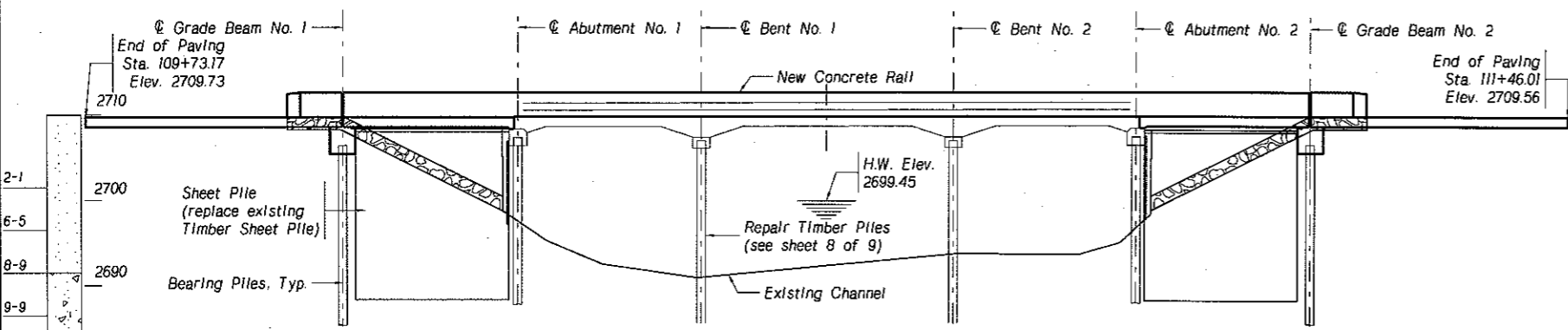
LEGEND



GENERAL PLAN  
Not to Scale

Hole No.2  
Sta. 109+58.6  
63' Rt.

Hole No.1  
Sta. 111+63.6  
60' Rt.



GENERAL ELEVATION AND GEOLOGICAL PROFILE  
Not to Scale

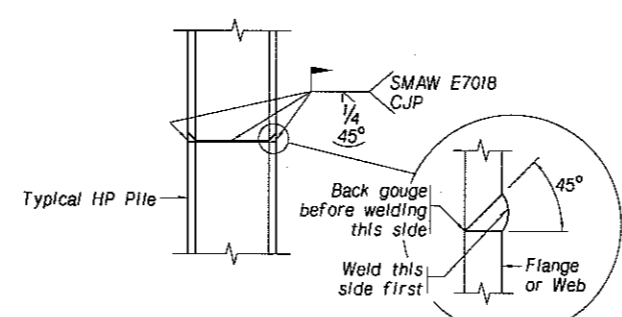
NOTE:

This structure located across the Middle Loup River Southwest of Halsey, approximately 0.21 miles south of the intersection of N-2 and S86B, at Sec. 2, T22N, R26W.  
 All stations are given along  $\phi$  Clear Roadway.  
 See Roadway plans for transition to curved alignment.

Hole No.2  
Sta. 109+58.6  
63' Rt.

Hole No.1  
Sta. 111+63.6  
60' Rt.

LOCATION	PILE NUMBER	CUT-OFF ELEVATION	MINIMUM PENETRATION BELOW CUT-OFF (feet)	PILE ORDER LENGTH (feet)	DESIGN PILE BEARING (kips/pile)	PILE TYPE
GRADE BEAM No. 1	1-4	2706.87	51	55	40	Pipe Pile
GRADE BEAM No. 2	1-4	2706.76	51	55	40	Pipe Pile



STANDARD PILE SPLICE

All pile spacing is given at the bottom of concrete.