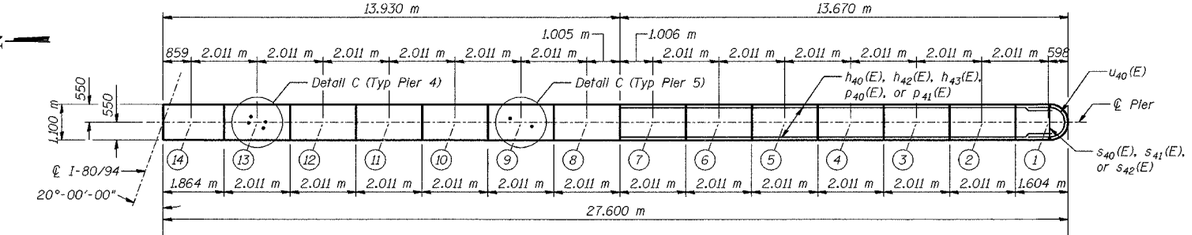
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	290
		ILLINOIS FED. AID PROJECT-		

SHEET NO. S-58
72 SHEETS

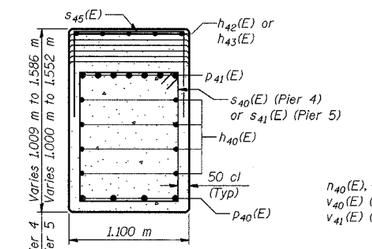
CONTRACT NO. 62113 INDOT DES. NO. 0100987

BEARING SEAT ELEVATIONS

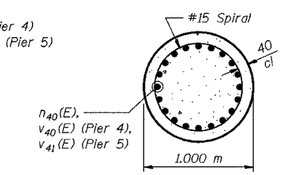
Beam	Pier 4	Pier 5
14	190.573	190.376
13	190.618	190.419
12	190.662	190.462
11	190.707	190.505
10	190.752	190.547
9	190.796	190.590
8	190.840	190.632
7	190.885	190.675
6	190.929	190.717
5	190.973	190.759
4	191.018	190.802
3	191.062	190.844
2	191.106	190.886
1	191.150	190.928



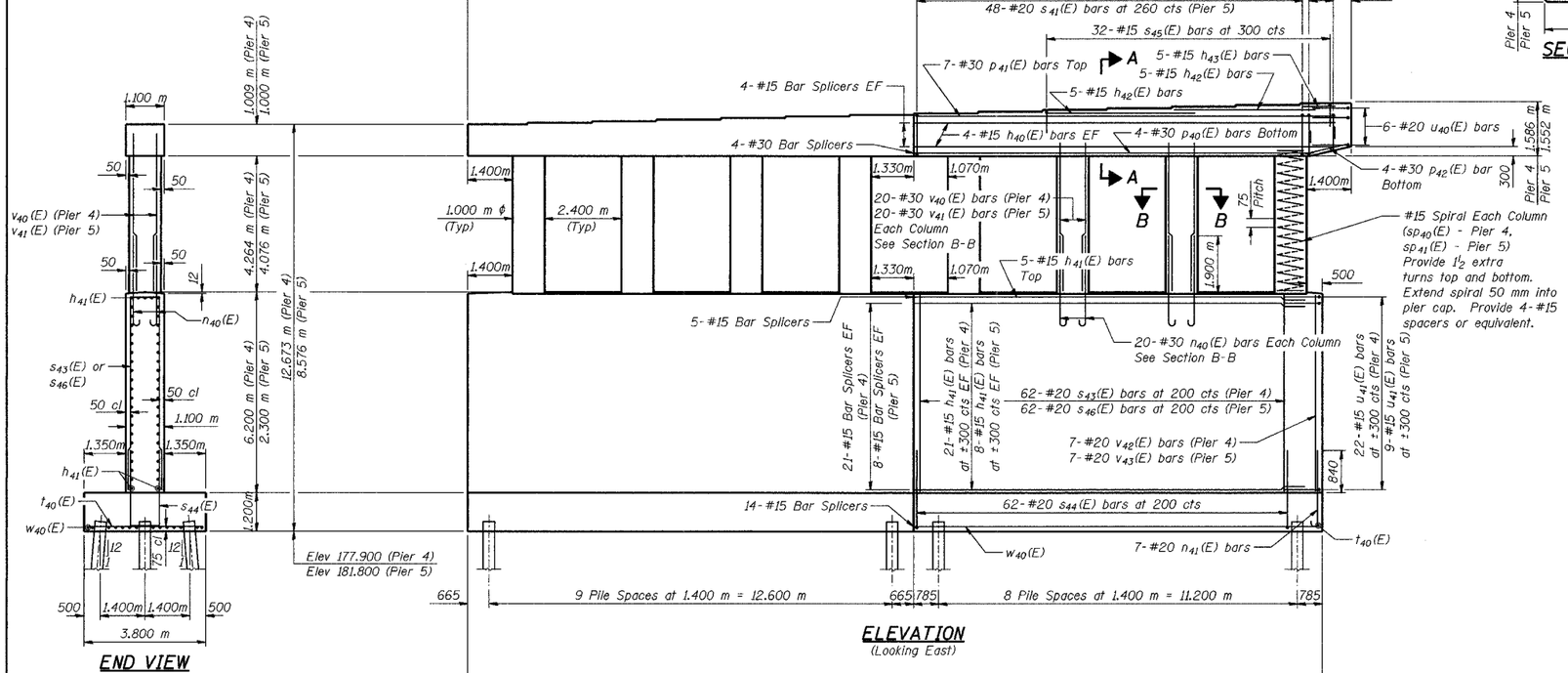
TOP PLAN



SECTION A-A

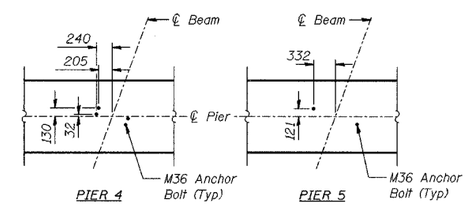


SECTION B-B



ELEVATION
(Looking East)

END VIEW



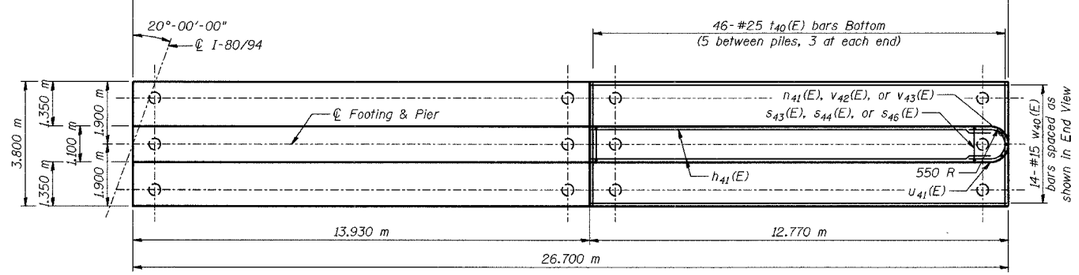
DETAIL C
ANCHOR BOLT LAYOUT

PILE DATA

Type - 356 ϕ Metal Shell
Capacity - 500 kN
Est Length - 14.3 m
No Reqd - 112 Total*
Test Piles - 1 per Pier

* Phase 2, Stage 2: 26 per Pier
Phase 3, Stage 2: 30 per Pier

DESIGNED	BHS
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP



FOOTING PLAN

NOTES:

See Sheet No S-60 for Bill of Material.
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.
All dimensions are in millimeters (mm) except as noted.

LEGEND

EF - Each Face

MINIMUM BAR LAPS

#15 bars = 640
#20 bars = 790
#25 bars = 1320
#30 bars = 1850

PHASE 3 FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (BORMAN EXPRESSWAY)
OVER LITTLE CALUMET RIVER & N.I.C.T.D. R.O.W.

PIERS 4 AND 5 – EASTBOUND
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I-80-1-8460 (EB & WB)
DATE 07/04 **(016-1003 & 016-1004)**

AMERICAN CONSULTING ENGINEERS