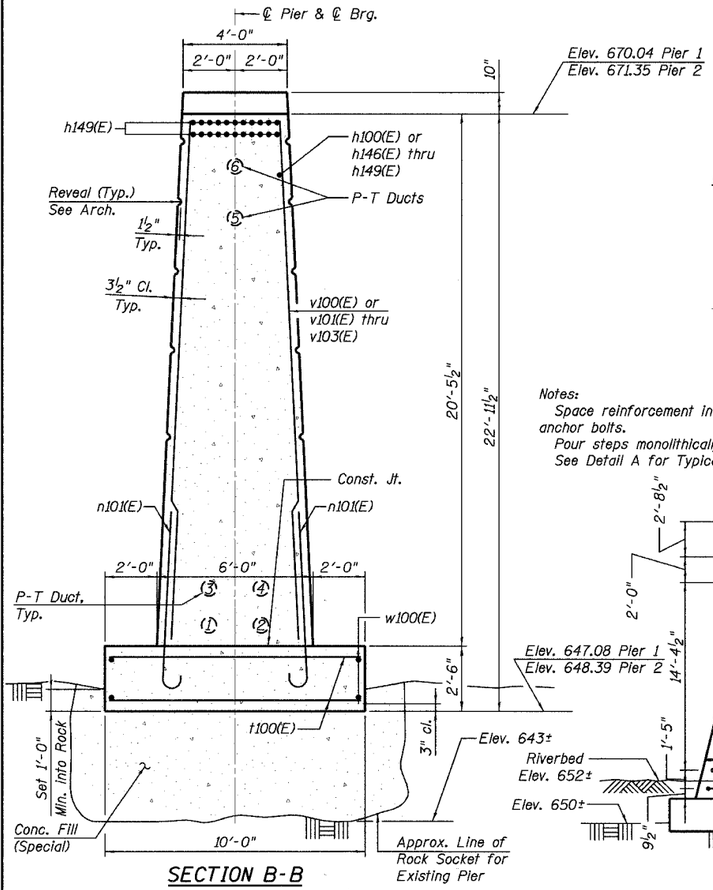
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

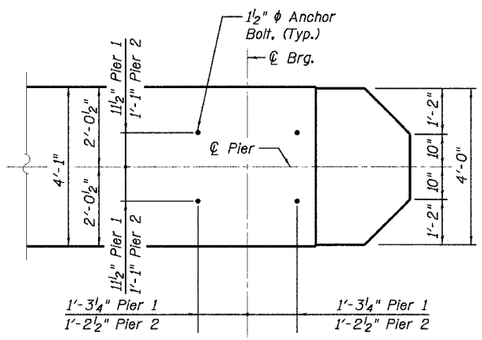
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1441	00-00059-00-BR	KANE	154	108
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S37 of S52 SHEETS

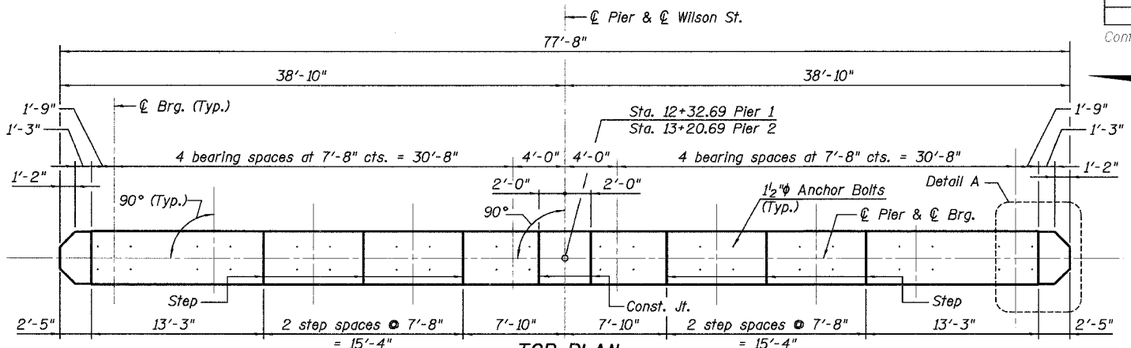
Contract # 83869



SECTION B-B

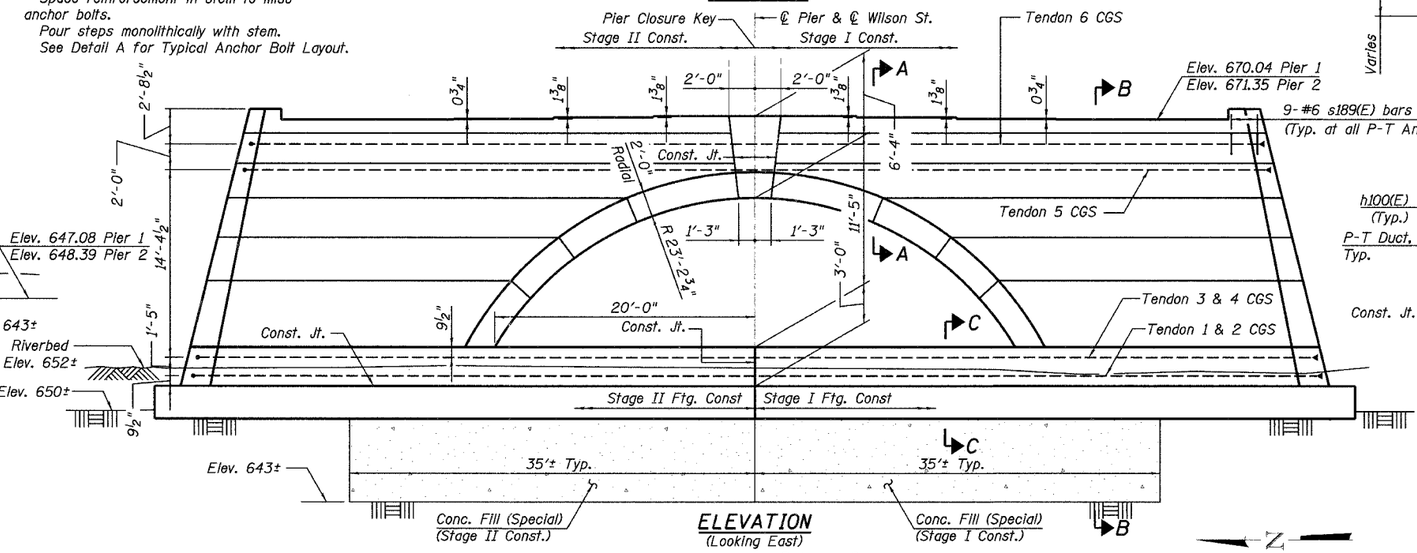


DETAIL A

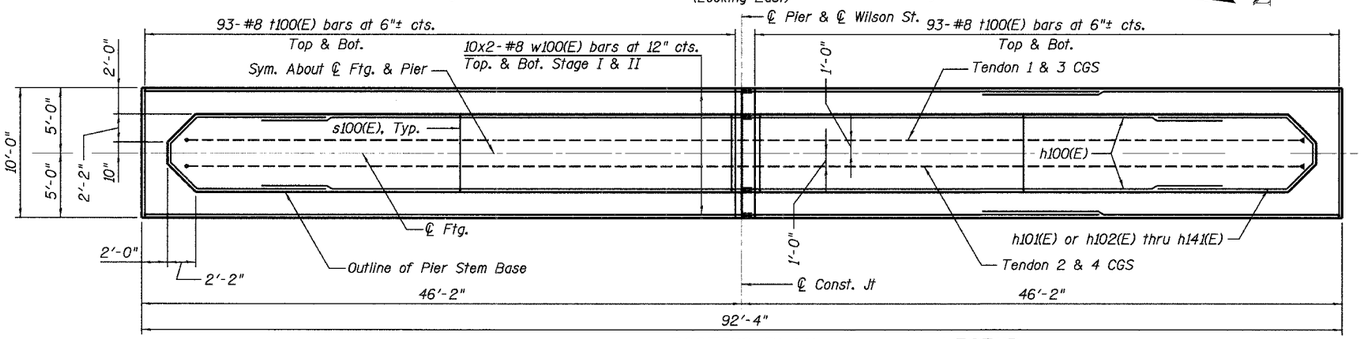


TOP PLAN

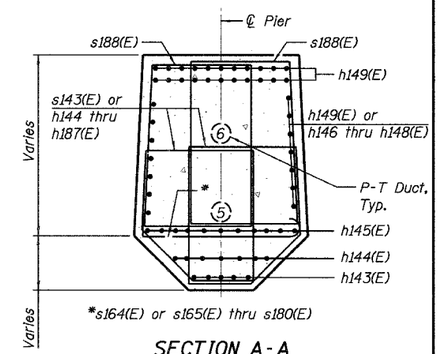
Notes:
Space reinforcement in stem to miss anchor bolts.
Pour steps monolithically with stem.
See Detail A for Typical Anchor Bolt Layout.



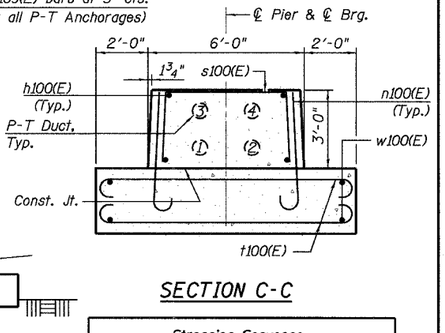
ELEVATION
(Looking East)



FOOTING PLAN



SECTION A-A



SECTION C-C

Stressing Sequence

Sequence	Tendon No.	No. Strands	Jacking Force (Kips)
1	1	27	1187
2	2	27	1187
3	5	27	1187
4	3	27	1187
5	4	27	1187
6	6	27	1187

NOTES
1. For Reveal details, See Arch.
2. Cost of Reveals incidental to the pay item "Concrete Structures".
3. Reinforcement bars designated (E) shall be epoxy coated.
4. See Sheet No. 109 for further details of reinforcement.
5. Apply notes 1 thru 3, 5, 6, 8 thru 11 and 13 from Sheet No. 87 to this Sheet.

DESIGNED	DWH
CHECKED	KSS
DRAWN	DWH/LL
CHECKED	KSS

FOUNDATION DATA
-Spread Foundation Bearing on Rock
-Maximum Bearing Pressure (Net): 15 ksf
(To be Field Verified by Geotechnical Engineer at time of Construction)

ERECTION SEQUENCE
a). - Form and pour pier on temporary falsework per staging diagram on Sheet No. 80.
b). - Stress longitudinal tendons according to the stressing sequence table after the pier has cured to a minimum compressive strength of 3,000 psi and is at least 3 days old.
c). - Grout post-tensioning ducts.
d). - Remove temporary falsework and slab forms after the P-T duct grout has cured to a minimum compressive strength of 5,000 psi.

LEGEND
(2) Indicates PT Duct No. for use with Stressing Sequence
Stressing End of Post-Tensioning Cable
Dead End of Post-Tensioning Cable

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

PIER DETAILS I
WILSON ST OVER FOX RIVER
SECTION 00-00059-00-BR
KANE COUNTY
STRUCTURE NO. 045-6051