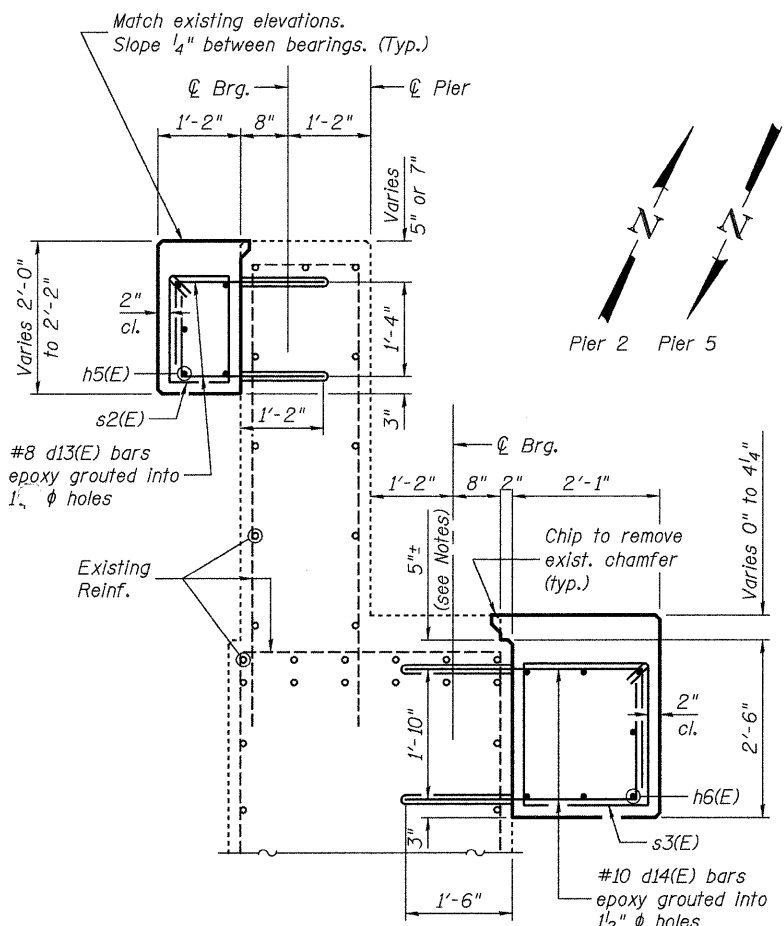


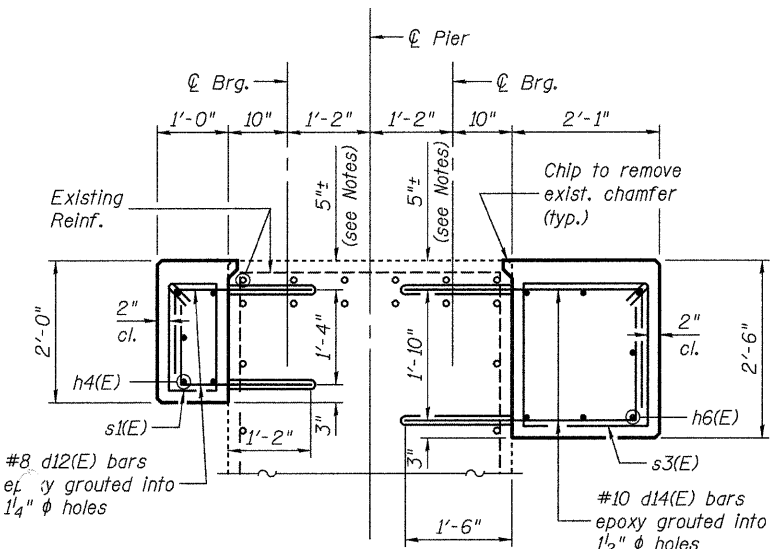
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

For Bearing Details and
Anchor Bolt Layout, see
Sheets 11 and 12 of 22



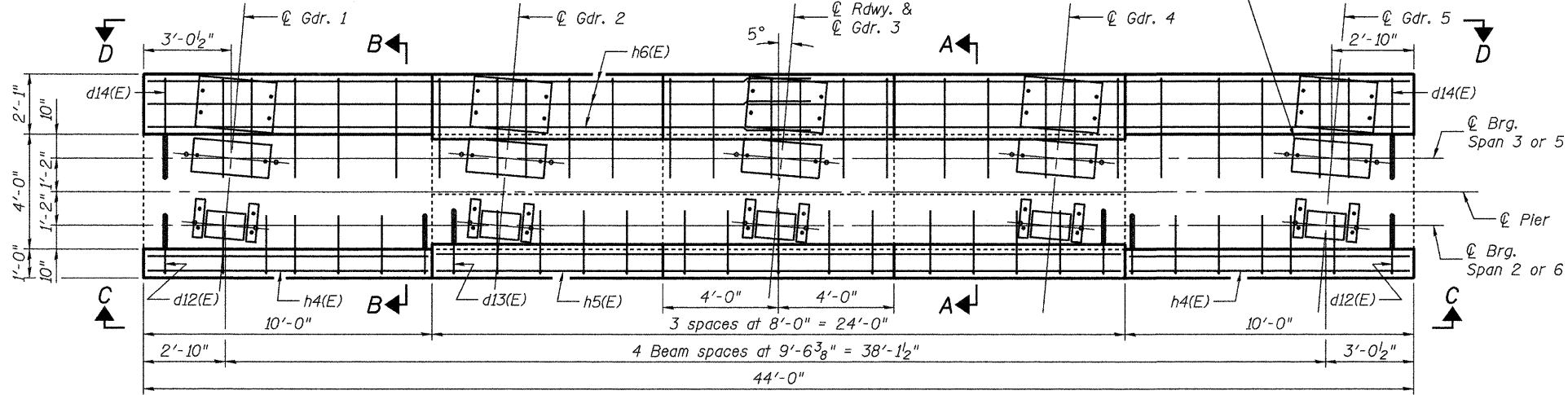
SPAN 2 OR 6 SPAN 3 OR 5

SECTION A-A
(Interior Girders)



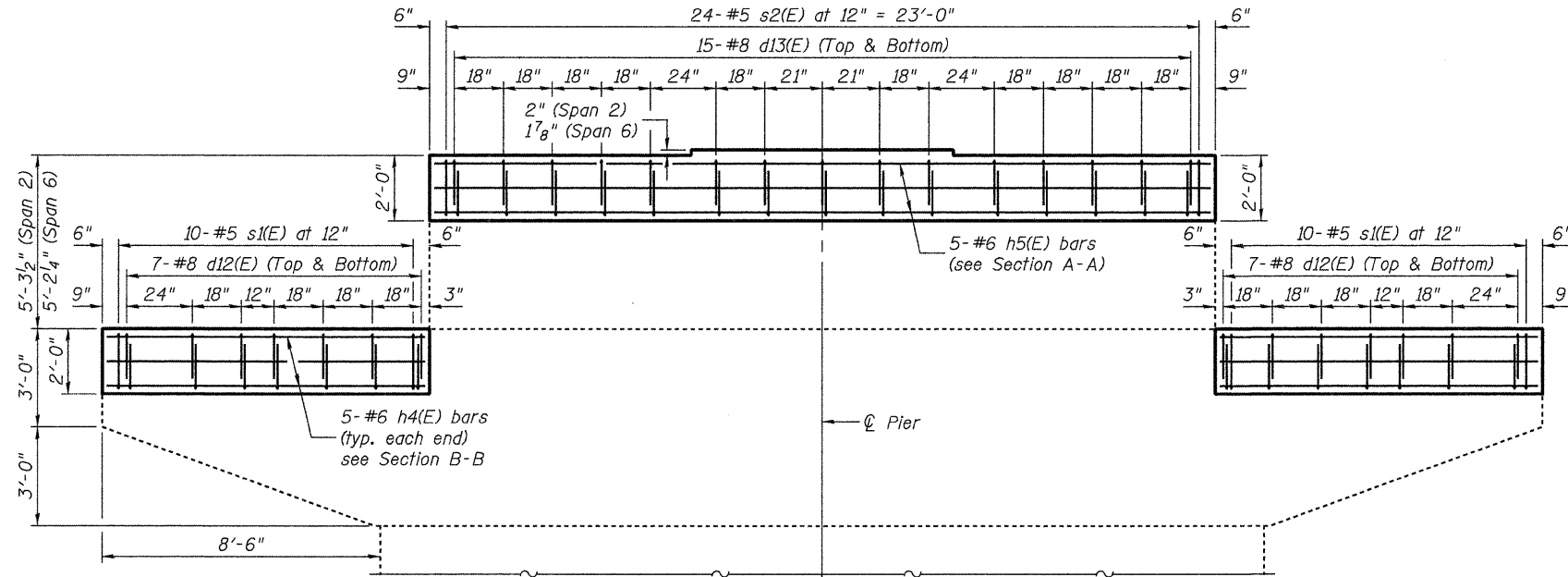
SPAN 2 OR 6 SPAN 3 OR 5

SECTION B-B
(Exterior Girders)



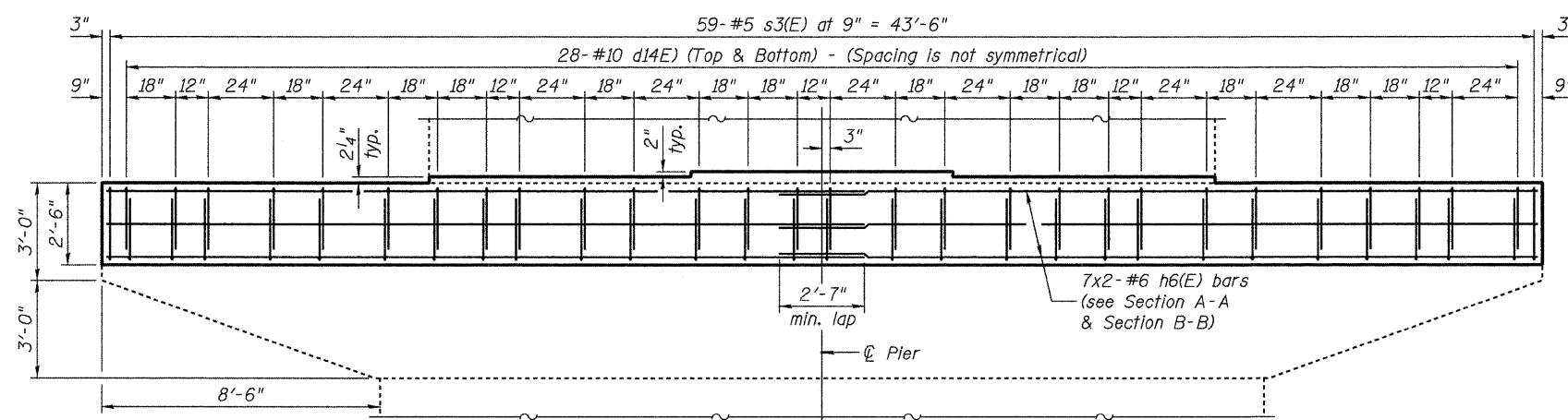
PLAN OF CAP

(Pier 2 shown, Pier 5 similar by rotation)



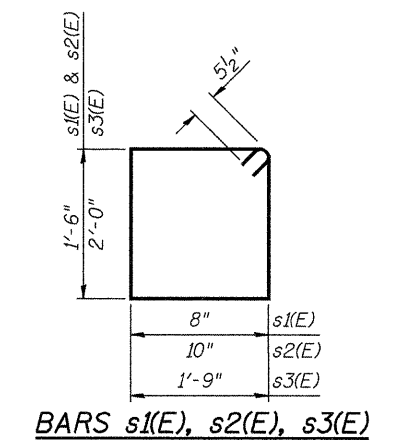
ELEVATION C-C

(Span 2 or 6)

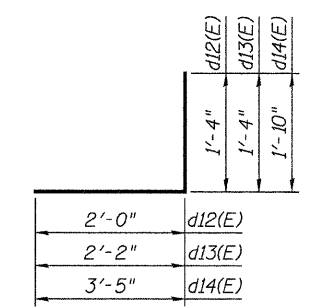


ELEVATION D-D

(Span 3 or 5)



BARS s1(E), s2(E), s3(E)



BARS d12(E), d13(E) & d14(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d12(E)	28	#8	3'-4"	J
d13(E)	30	#8	3'-6"	J
d14(E)	56	#10	5'-3"	J
h4(E)	10	#6	9'-8"	—
h5(E)	5	#6	23'-8"	—
h6(E)	14	#6	23'-2"	—
s1(E)	20	#5	5'-3"	□
s2(E)	24	#5	5'-7"	□
s3(E)	59	#5	8'-5"	□

		Pier 2	Pier 5
Concrete Structures	Cu. Yd.	12.7	12.7
Reinforcement Bars, Epoxy Coated	Pound	3380	3380
Concrete Sealer	Sq. Ft.	312	312

Reinforcement Bar list is for one Pier only.
Space cap reinforcement to miss anchor bolts.
Apply Concrete Sealer to existing and new beam
seat areas (full length of cap).

PIERS 2 & 5
STRUCTURE NO. 079-0036

Notes:
Prior to drilling holes for the top d12(E) and d14(E) bars, the top two rows of the existing longitudinal reinforcing bars shall be located by removing the concrete side cover for a small area at intermittent locations (about 8-10 foot spacing). The vertical position of the drilled holes shall be adjusted if necessary to be centered between the existing reinforcing rows.
The proposed horizontal spacing for the d12(E) thru d14(E) bars is intended to avoid the existing and proposed anchor bolts and the existing vertical reinforcing.

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: JDQ	DRAWN: PTR
CHECKED: DCD	CHECKED: DCD

SHEET 15 OF 22	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	312	73BR-11	RANDOLPH	51	38
	STA. 793+80		CONTRACT NO. 76883		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

FILE: J:\JDQ\11075 IL-DBVW#4 IL 3 Kaskaskia River-FINAL\0790036-76883-015-piers2&5.dgn
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