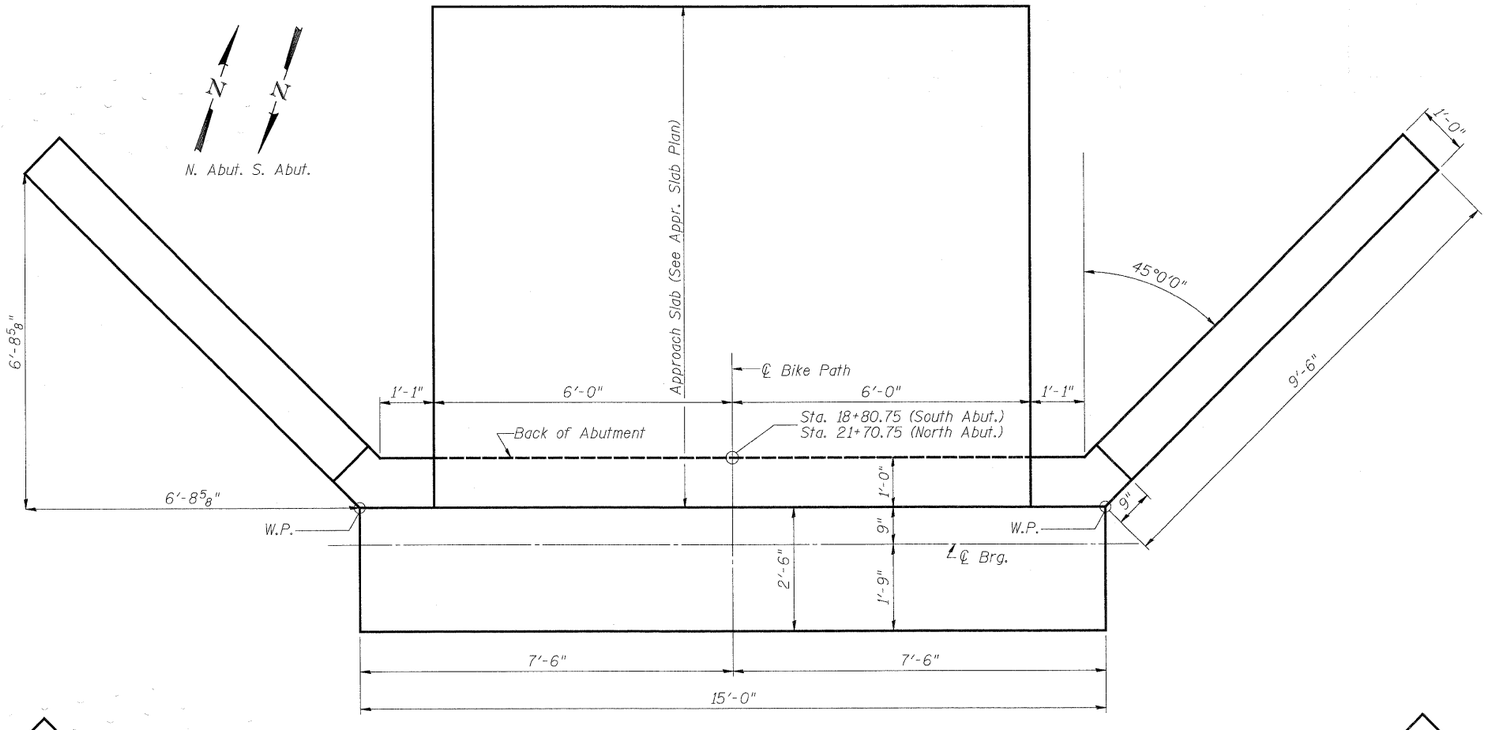
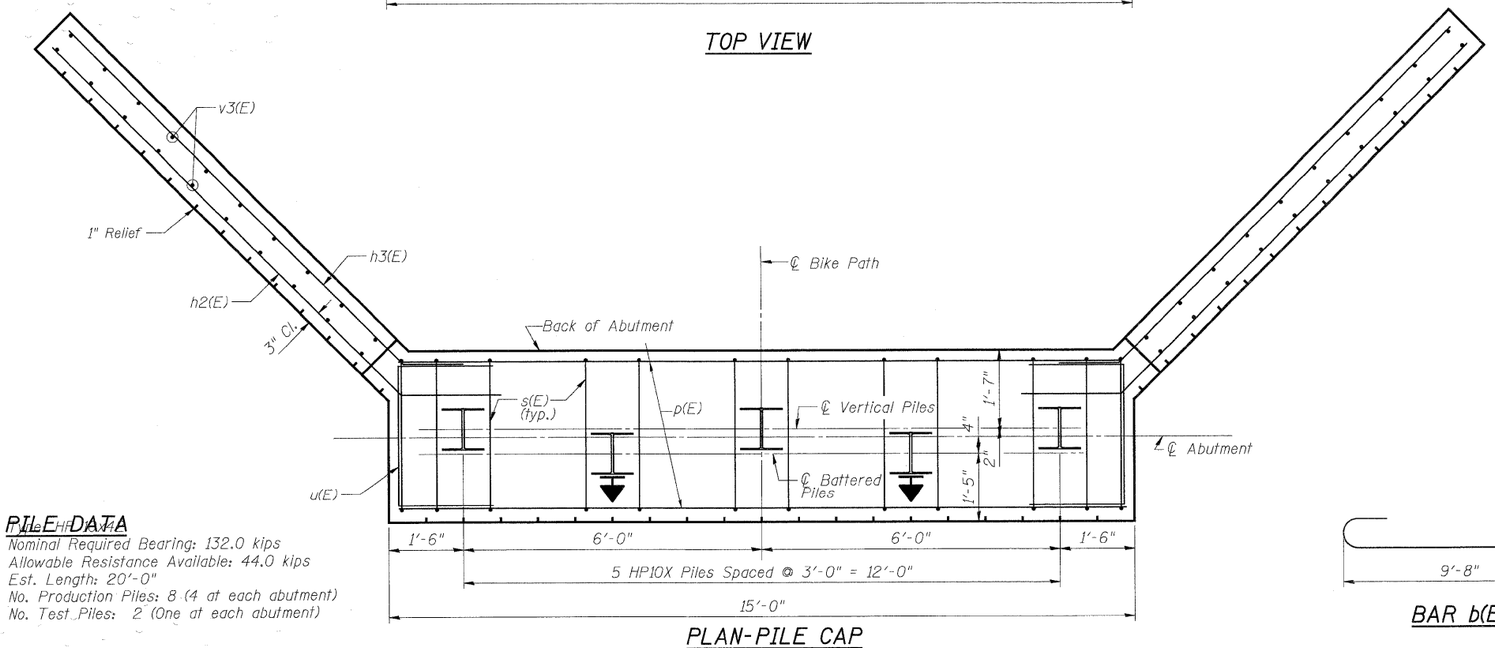


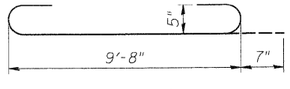
TOP VIEW



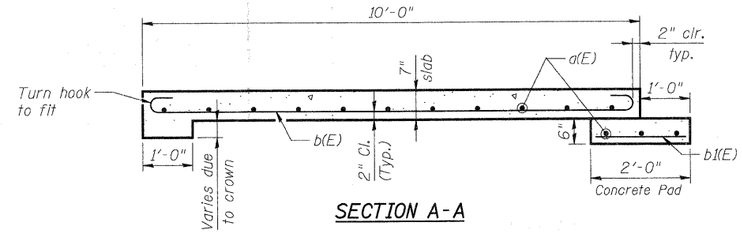
PLAN-PILE CAP

PILE DATA

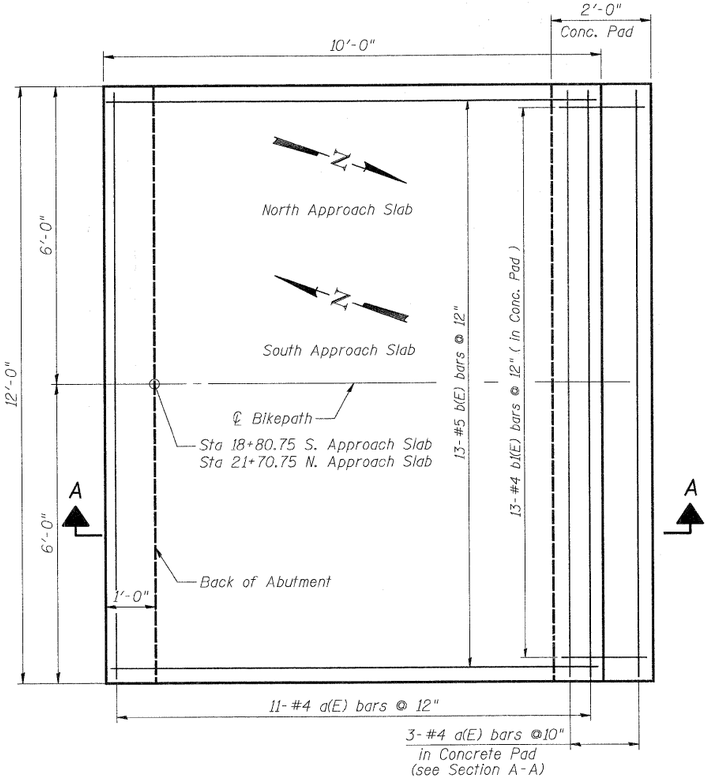
Nominal Required Bearing: 132.0 kips
Allowable Resistance Available: 44.0 kips
Est. Length: 20'-0"
No. Production Piles: 8 (4 at each abutment)
No. Test Piles: 2 (One at each abutment)



BAR b(E)



SECTION A-A



APPROACH SLAB - PLAN

REINFORCEMENT SCHEDULE

For one Approach Slab

Bar	No.	Size	Length	Shape
d(E)	14	#4	11'-8"	
b(E)	13	#5	10'-10"	
b1(E)	13	#4	1'-8"	
Concrete Structure			Cu. Yd.	3.4
Reinforcement Bars, Epoxy Coated			Lbs.	270
Protective Coat			Sq. Yd.	13.3

ABUTMENTS I

PATRICK ENGINEERING INC.
LISLE, ILLINOIS

USER NAME = Rdwy_Lisle	DESIGNED - A. Durbak	REVISED -	
PLOT CONFIG= PDF(Grey_Large).plt	DRAWN - A. Durbak	REVISED -	
PLOT SCALE = 1:1.5	CHECKED - A. Yarglooglu	REVISED -	
PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -	

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31
PEDESTRIAN BRIDGE OVER RAKOW ROAD
STA 173+34.68 STRUCTURE NO. 056-9921

SCALE: NONE | SHEET NO. STR 3 OF 22 | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	405
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

G:\MCDOT\22952.001\Drawings\STRUCT\FinalPlans\S03 Bridge-Abutment1.dgn