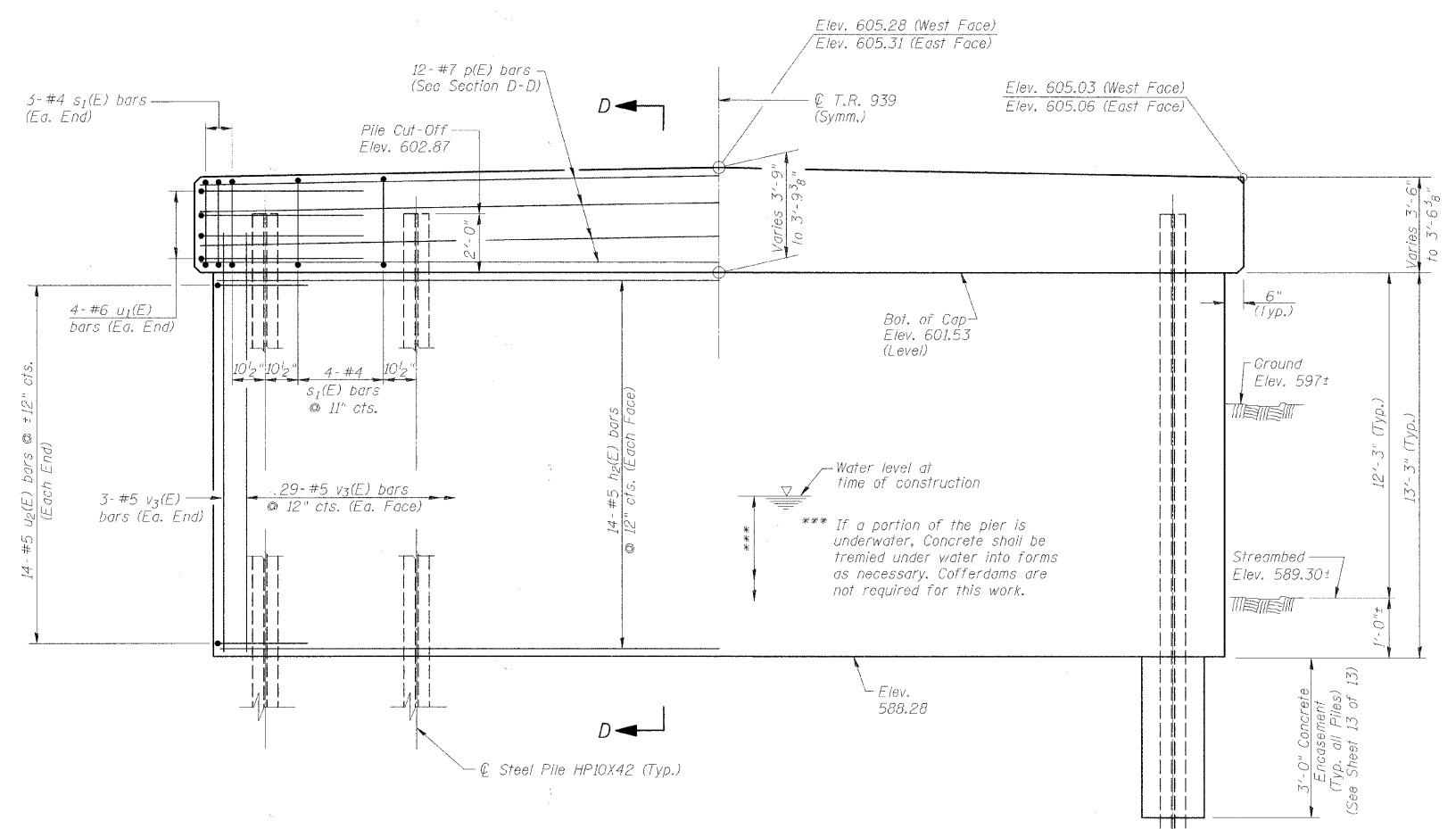
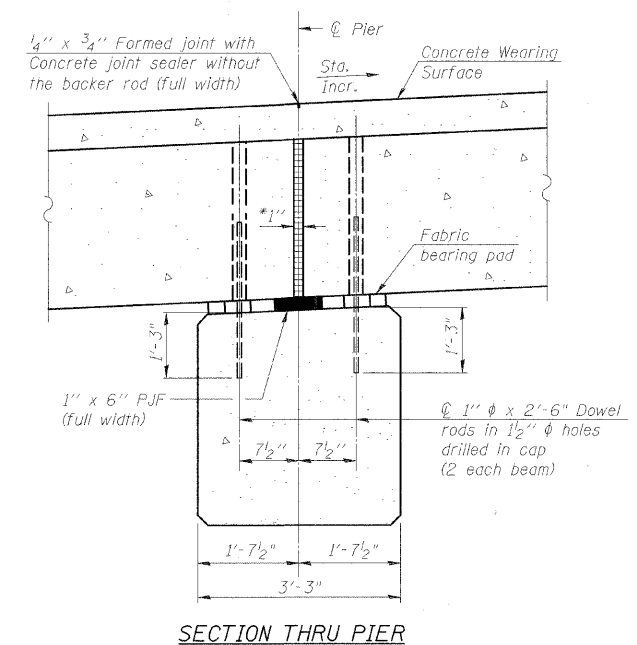


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 939	10-P4000-00-BR	MACON	21	20
FED. ROAD DIST. NO.	ILLINOIS PROJECT:	CONTRACT NO. 95660		



ELEVATION
Looking Up Station (East)



SECTION THRU PIER

* 1" joint shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam length.

NOTES

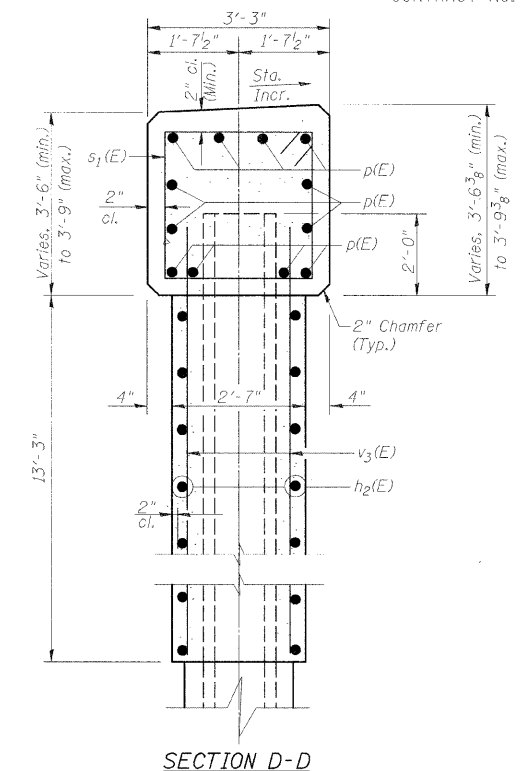
- 1" dia. x 2'-6" dowel rods in 1/2" dia. holes drilled in cap (2 ea. beam). Dowel rods to be grouted after beams are in place and allowed to cure (min. 24 hrs.) prior to grouting the shear keys. The grout shall be an approved non-shrink grout.
- Reinforcement bars designated (E) shall be epoxy coated.
- Reinforcement bars shall conform to the requirements of A.S.T.M. A606 Grade 60. See Special Provisions.
- Space reinforcement in cap to miss dowel rods.
- The Contractor shall drive test piles to 110 Percent of the Nominal Required Bearing indicated in the Pile Data information before ordering the remainder of the piles.

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi

PILE DATA

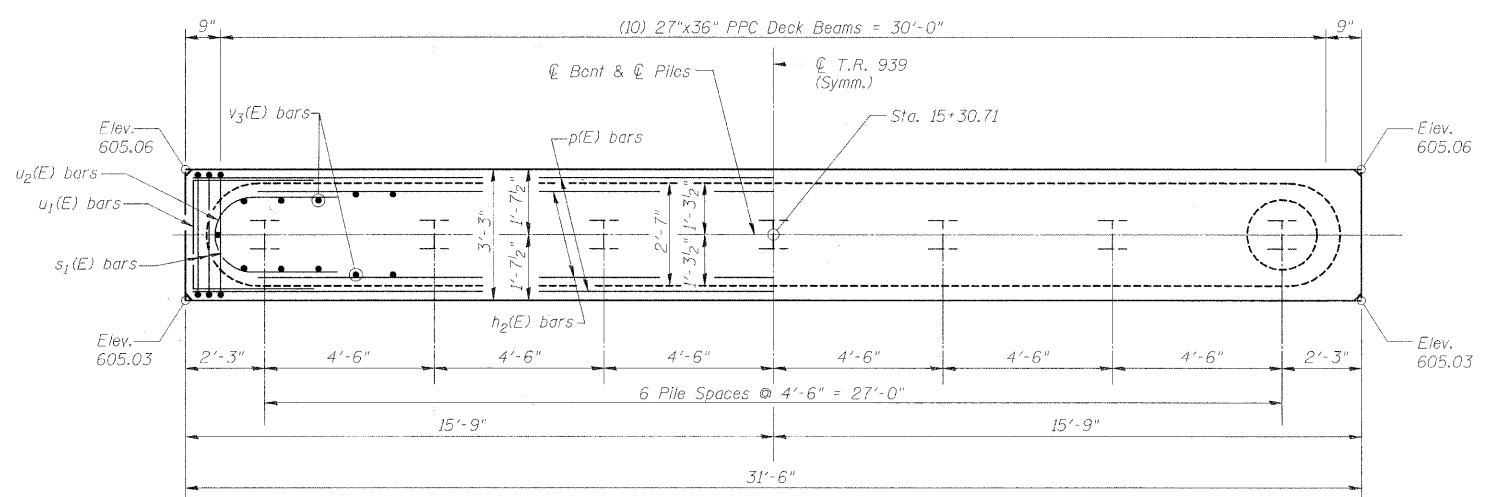
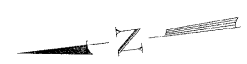
Type & Size: HP10x42
Nominal Required Bearing: 335 Kips
Factored Resistance Available: 180 Kips (Refusal)
Est. Length: 27'-0"
No. Required: 6 Plus 1 Permanent Test Pile



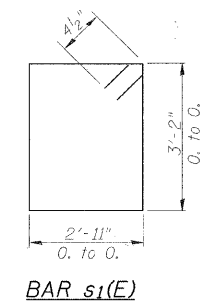
SECTION D-D

BILL OF MATERIAL

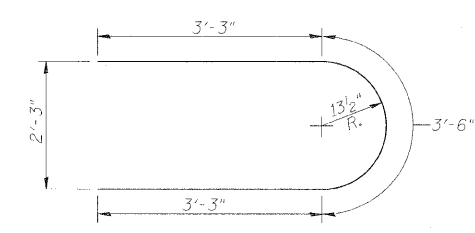
Bar	No.	Size	Length	Shape
h2(E)	28	#5	27'-11"	—
p(E)	12	#7	31'-2"	—
s1(E)	30	#4	12'-11"	□
u1(E)	8	#6	12'-10"	—
u2(E)	28	#5	10'-0"	—
v3(E)	64	#5	15'-0"	—
Concrete Structures		Cu. Yd.	54.9	
Concrete Encasement		Cu. Yd.	2.4	
Reinforcement Bars, Epoxy Coated		Pound	3290	
Furnishing Steel Piles HP10x42		Foot	162	
Driving Steel Piles		Foot	162	
Test Pile Steel HP10x42		Each	1	
Underwater Structure Excavation Protection - Location 2		Each	1	



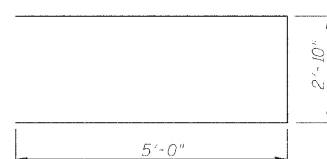
PLAN



BAR s1(E)



BAR u2(E)



BAR u1(E)

PIER 2

Date	Designed DCS	TR-939 (PARK DRIVE) OVER STEVENS CREEK SECTION 10-P4000-00-BR DECATUR PARK DISTRICT STA. 14+97.71 PROP. STR. NO. 058-9201	Sheet No.
Revisions	Drawn BKN		12
	Checked KWB		of 13
	Approved KWB		URS Job No.
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526		36432943