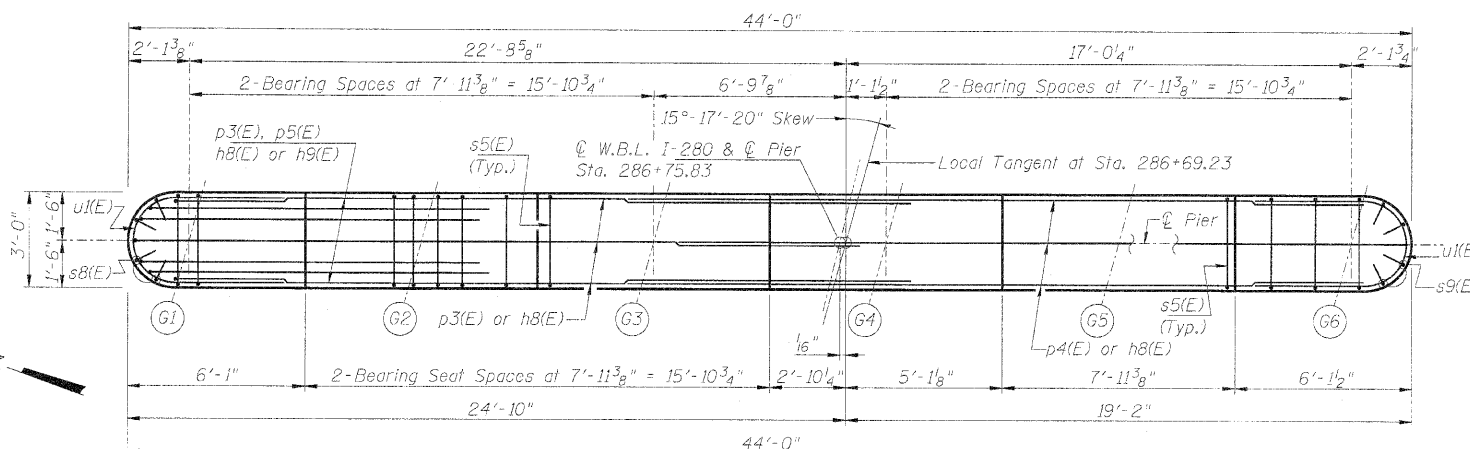


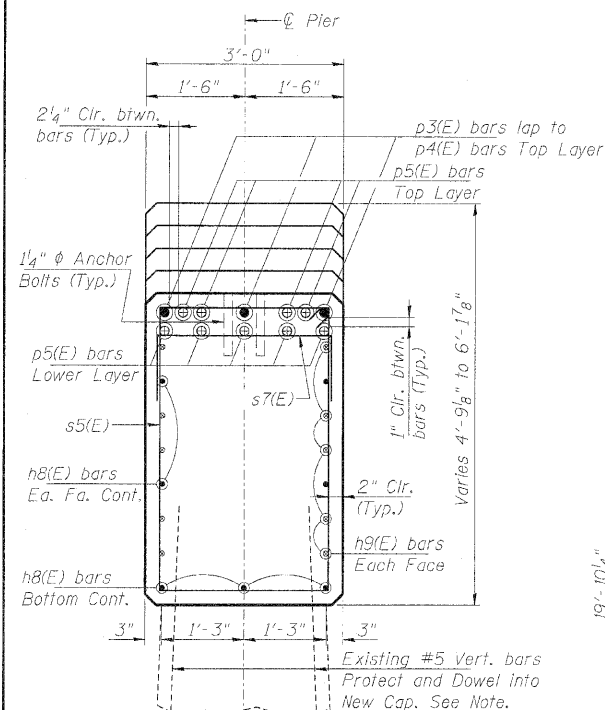
Diagram illustrating the connection between a Girder (Typ.) and a Pier. The connection details include:

- Girder (Typ.)**: The main horizontal member.
- Pier**: The vertical support structure.
- Bearing**: The contact point between the girder and the pier.
- Anchor Bolt (Typ.)**: A $1\frac{1}{4}" \phi$ anchor bolt is shown.
- Dimensions**:
 - $10\frac{7}{8}"$ dimension across the top of the girder.
 - $1\frac{1}{4}"$ dimension for the anchor bolt diameter.
 - $1\frac{1}{4}"$ dimension for the anchor bolt spacing.
 - $\frac{1}{2}"$ dimension for the anchor bolt offset.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

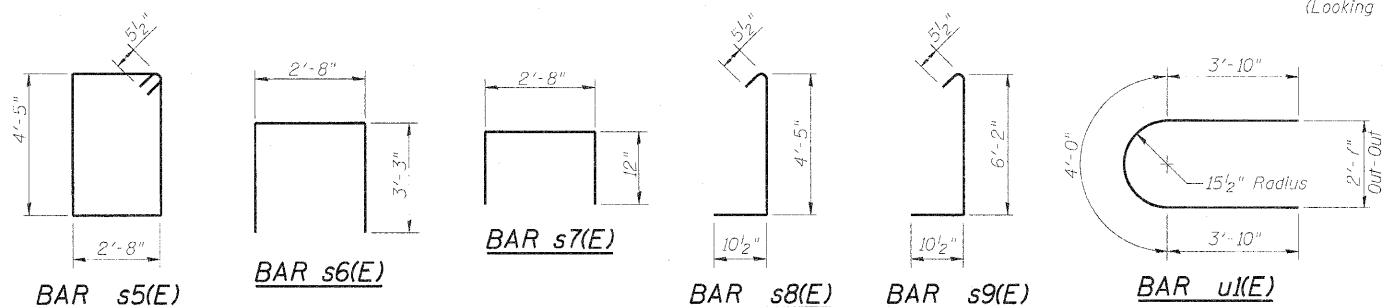


TOP PLAN

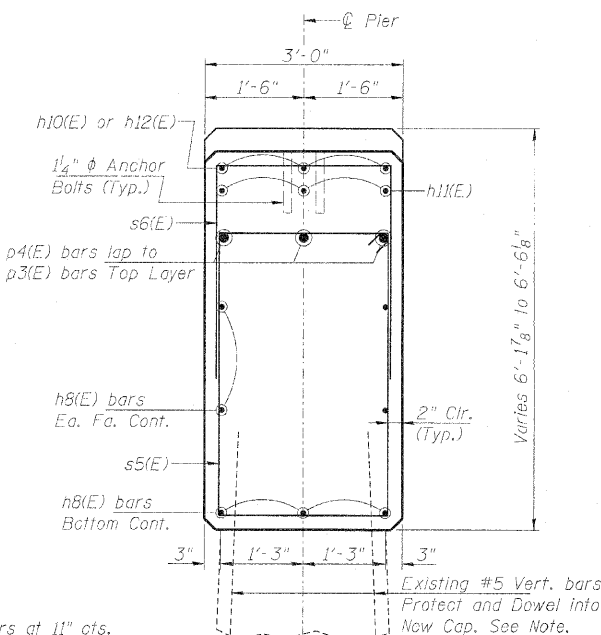
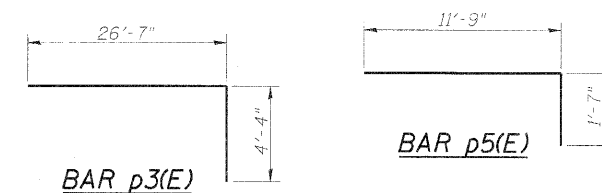


SECTION A-A

#5 bar = 3'-3"
#6 bar = 3'-10"
#9 bar = 9'-8"



ELEVATION
(Looking East)



SECTION B-B

BILL OF MATERIAL - PIER - W.B.L.

Bar	No.	Size	Length	Shape
h8(E)	14	#5	22'-2"	—
h9(E)	10	#5	10'-9"	—
h10(E)	9	#5	9'-9"	—
h11(E)	3	#5	20'-5"	—
h12(E)	3	#5	5'-5"	—
p3(E)	3	#9	30'-11"	—
p4(E)	3	#9	26'-7"	—
p5(E)	9	#9	13'-4"	—
s5(E)	42	#5	15'-1"	□
s6(E)	38	#5	9'-2"	□
s7(E)	4	#4	4'-8"	□
s8(E)	4	#5	5'-9"	J
s9(E)	4	#5	7'-6"	J
u1(E)	10	#6	11'-8"	—
Concrete Structures			Cu. Yd.	27.1
Reinforcement Bars,			Pound	2870
Epoxy Coated				

Bars indicated thus 1 x 2 - #5 etc. indicates 1 line of bars with 2 lengths per line.

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete removal.

Bars damaged or not salvaged shall be replaced with either drilled and epoxy grouted bars or IDOT approved mechanical splicers of the same size as directed by the Engineer. No additional compensation will be allowed for either method.

PIER - W.B.L.

STRUCTURE NUMBERS 081-0026 (E.B.) & 081-0027 (W.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

STRUCTURE NUMBERS 081-0026 (E.B.) & 081-0027 (W.B.)

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JOB NO.
05R1532A

DATE
05/21/10

SHEET NO. 32

40 SHEETS

F.A. RTE. 280	SECTION 81-1(B)-1(R)	COUNTY Rock Island	TOTAL SHEETS 503	SHEET NO. 44
CONTRACT NO. 64815				
ILLINOIS		FED. AID PROJECT		