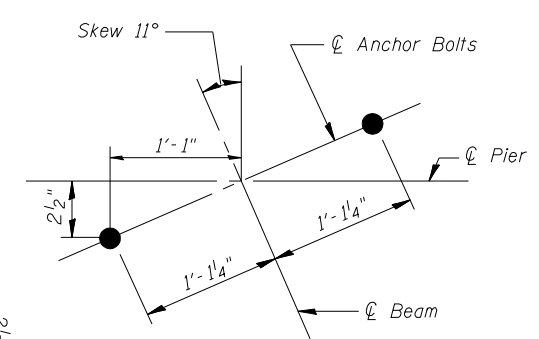
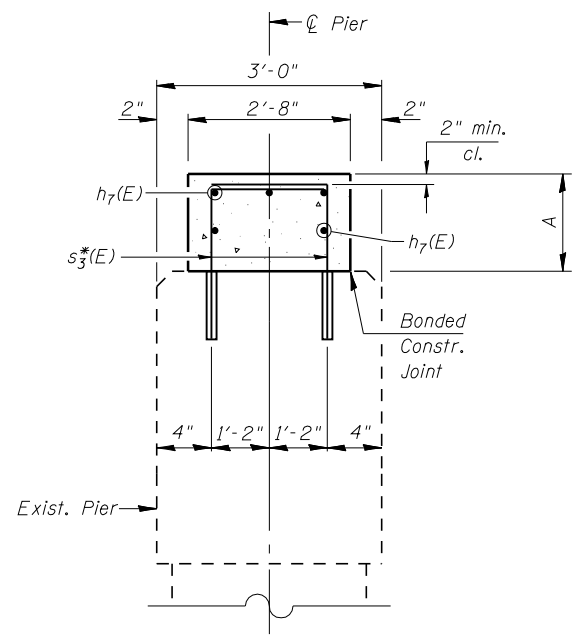


PLAN



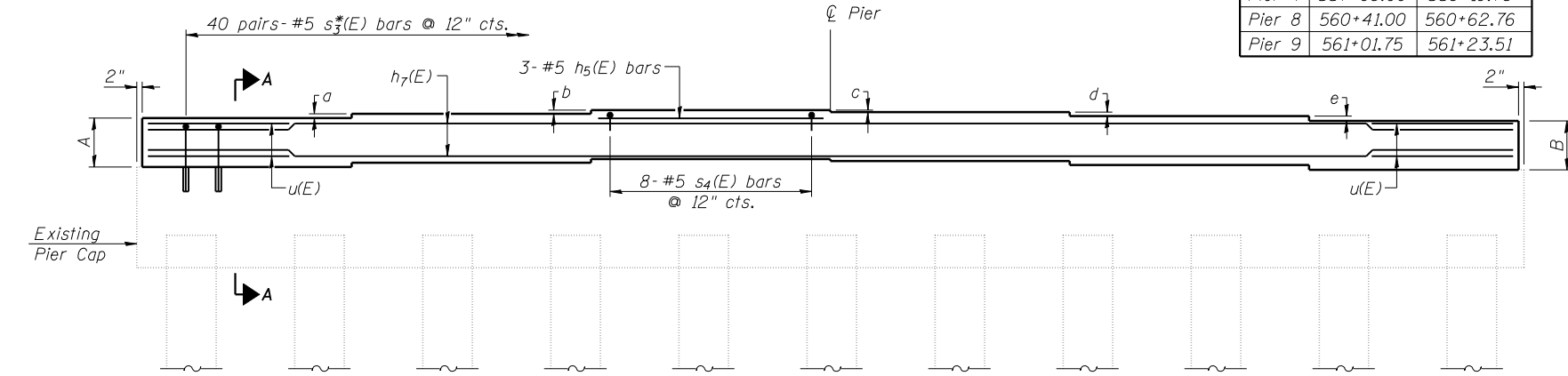
ANCHOR BOLT LAYOUT AT PIERS 1, 2, 4, 8 & 9



SECTION A-A

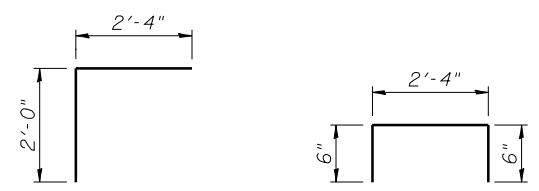
STATIONS

	N.B.	S.B.
Pier 1	556+15.75	556+37.51
Pier 2	556+76.50	556+98.26
Pier 4	557+98.00	558+19.76
Pier 8	560+41.00	560+62.76
Pier 9	561+01.75	561+23.51



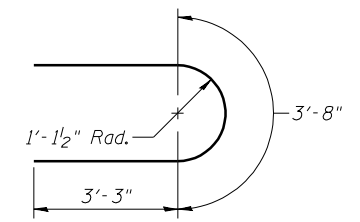
ELEVATION

(Looking in the direction of Traffic)



BAR s3*(E)

BAR s4(E)



BAR u(E)

TEN (10) PIERS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h5(E)	30	#5	7'-0"	—
h7(E)	50	#5	39'-2"	—
s3*(E)	800	#5	4'-4"	┌
s4(E)	80	#5	3'-4"	┐
u(E)	40	#5	10'-2"	⌋
Concrete Structures		Cu. Yd.	56.0	
Reinforcement Bars, Epoxy Coated		Pound	6,580	

Notes:
 Reinforcement Bars designated (E) shall be epoxy coated.
 s3*(E) bars shall be grouted into drilled holes in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9".
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 All edges of proposed concrete shall have standard 3/4" chamfers unless noted otherwise.

STEP HEIGHTS - S.N. 054-0055 (N.B.)

	a	b	c	d	e
Pier 1	1 5/8"	1 3/8"	3/4"	1 3/8"	1 7/8"
Pier 2	1 5/8"	1 3/8"	3/4"	1 3/8"	1 7/8"
Pier 4	1 5/8"	1 3/8"	3/4"	1 3/8"	1 7/8"
Pier 8	1 5/8"	1 3/8"	3/4"	1 3/8"	1 7/8"
Pier 9	1 1/2"	1 3/8"	7/8"	1 1/2"	1 7/8"

BEARING SEAT ELEVATIONS S.N. 054-0055 (N.B.)

Pier		G	H	I	J	K	L
		Existing	568.86	569.00	569.10	569.04	568.92
	Proposed	570.20	570.34	570.45	570.39	570.27	570.12
Pier 2	Existing	568.90	569.04	569.15	569.09	568.97	568.82
	Proposed	570.20	570.34	570.45	570.39	570.27	570.12
Pier 4	Existing	568.90	569.04	569.15	569.09	568.97	568.82
	Proposed	570.20	570.35	570.46	570.40	570.28	570.13
Pier 8	Existing	568.90	569.04	569.15	569.09	568.97	568.82
	Proposed	570.20	570.34	570.45	570.39	570.27	570.12
Pier 9	Existing	568.95	569.08	569.19	569.12	568.99	568.84
	Proposed	570.38	570.51	570.62	570.55	570.43	570.27

BEARING SEAT ELEVATIONS S.N. 054-0056 (S.B.)

Pier		A	B	C	D	E	F
		Existing	568.78	568.94	569.05	569.11	569.00
	Proposed	570.08	570.23	570.35	570.41	570.30	570.17
Pier 2	Existing	568.82	568.98	569.09	569.15	569.04	568.90
	Proposed	570.08	570.23	570.35	570.41	570.30	570.17
Pier 4	Existing	568.82	568.98	569.09	569.15	569.04	568.90
	Proposed	570.09	570.24	570.36	570.42	570.31	570.18
Pier 8	Existing	568.82	568.98	569.09	569.15	569.04	568.90
	Proposed	570.24	570.39	570.50	570.56	570.44	570.30
Pier 9	Existing	568.95	569.10	569.20	569.26	569.15	569.01
	Proposed	570.59	570.74	570.84	570.90	570.77	570.63

STEP HEIGHTS - S.N. 054-0056 (S.B.)

	a	b	c	d	e
Pier 1	1 5/8"	1 3/8"	3/4"	1 3/8"	1 7/8"
Pier 2	1 5/8"	1 3/8"	3/4"	1 3/8"	1 7/8"
Pier 4	1 5/8"	1 3/8"	3/4"	1 3/8"	1 7/8"
Pier 8	1 5/8"	1 3/8"	3/4"	1 3/8"	1 7/8"
Pier 9	1 5/8"	1 1/2"	3/4"	1 1/4"	1 7/8"

VALUES OF A & B

	S.N. 054-0055		S.N. 054-0056	
	A	B	A	B
Pier 1	1'-4 1/8"	1'-4 1/8"	1'-3 5/8"	1'-3 5/8"
Pier 2	1'-3 5/8"	1'-3 3/4"	1'-3 7/8"	1'-3 7/8"
Pier 4	1'-3 3/4"	1'-3 7/8"	1'-3 1/4"	1'-3 1/4"
Pier 8	1'-3 5/8"	1'-3 3/4"	1'-4 3/4"	1'-5"
Pier 9	1'-5 1/4"	1'-5 1/4"	1'-7 1/2"	1'-7 3/4"

NOTE

Plan elevations relative to the existing structure have been taken from existing plans and reduced by 0.38 feet to match benchmark datum.



JOB = 2265.1
 FILE = 0540055_0056-72E10-35-Piers.dgn
 DATE = 9/9/2011

DESIGNED - ZTB
 CHECKED - MDC
 DRAWN - TJD
 CHECKED - ZTB

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PIERS 1, 2, 4, 8 & 9
STRUCTURE NO. 054-0055 (NB) & STRUCTURE NO. 054-0056 (SB)
 SHEET NO. 35 OF 39 SHEETS

F.A.I. RTE. 55 SECTION D6 LOGAN CO BR 2011 COUNTY LOGAN TOTAL SHEETS 224 SHEET NO. 196 CONTRACT NO. 72E10 ILLINOIS FED. AID PROJECT