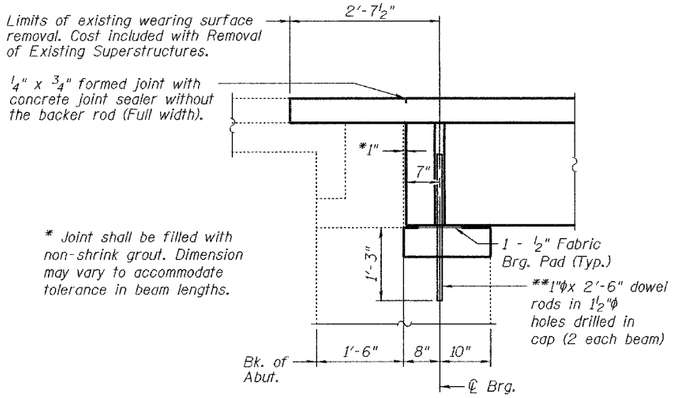
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Lake	17	12
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 4
7 SHEETS

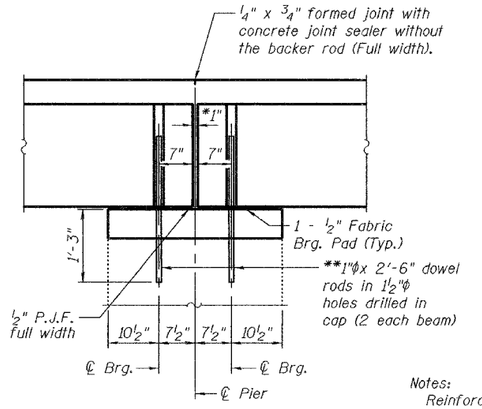
Contract Number: 62768



* Joint shall be filled with non-shrink grout. Dimension may vary to accommodate tolerance in beam lengths.

TYPICAL SECTION AT ABUTMENT

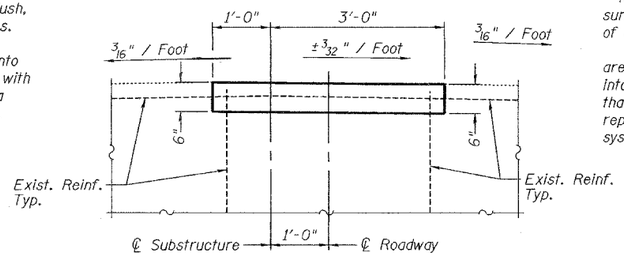
(Looking North)
(Near ℄ Roadway)



TYPICAL SECTION AT PIER

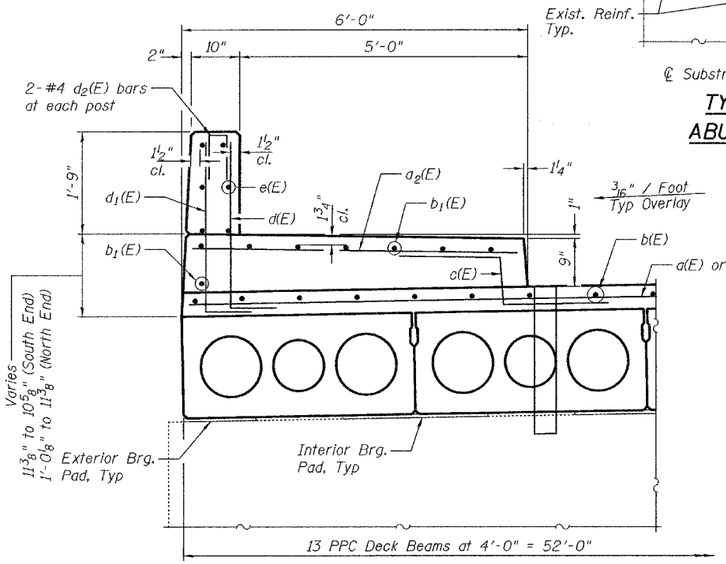
(Looking North)
(Near ℄ Roadway)

**Existing dowel rods are to be burned off, ground flush, and sealed with epoxy prior to placement of new beams. Cost included in Removal of Existing Superstructure. After beams have been erected holes shall be drilled into cap and dowel rods placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure a minimum of 24 hours prior to grouting the shear keys.



TYPICAL ELEVATION AT ABUTMENTS AND PIER CAP

(Looking West)



TYPICAL CROSS SECTION SHOWING SIDEWALK

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	91	#4	23'-3"	
a1(E)	91	#4	28'-3"	
a2(E)	182	#5	5'-6"	
b(E)	212	#4	24'-0"	
b1(E)	64	#5	24'-6"	
c(E)	182	#5	2'-4"	
d(E)	180	#6	3'-3"	
d1(E)	180	#4	3'-3"	
d2(E)	40	#4	2'-0"	
e(E)	72	#5	14'-0"	
Bar Splicers			Each	91
Reinforcement Bars, Epoxy Coated			Pound	12,030
Concrete Wearing Surface, 5"			Sq. Yd.	521
Concrete Superstructure			Cu. Yd.	46.8
Concrete Structures			Cu. Yd.	0.5

DESIGNED	A.T.H.
CHECKED	S.J.B.
DRAWN	Drew Christopher
CHECKED	A.T.H. S.J.B.

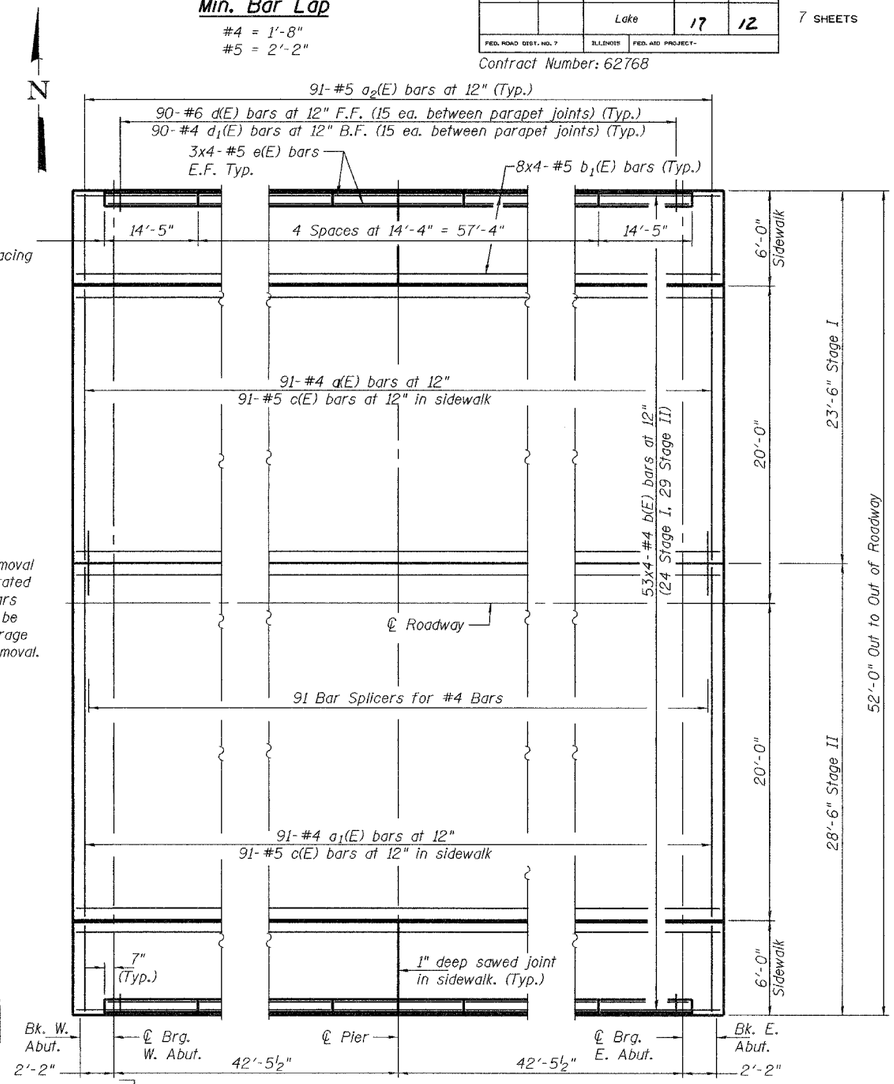
September 21, 2006
EXAMINED John A. Morris
ENGINEER OF STRUCTURAL SERVICES
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

Bar d(E) and d1(E)

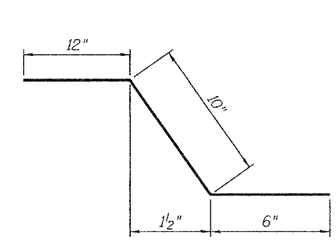
Notes:
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 2-#5 etc. indicates 1 line of bars with 2 lengths per line.
Reinforcement bars for concrete wearing surface shall be placed at least 2" from edge of drain pipes.
Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.

Min. Bar Lap

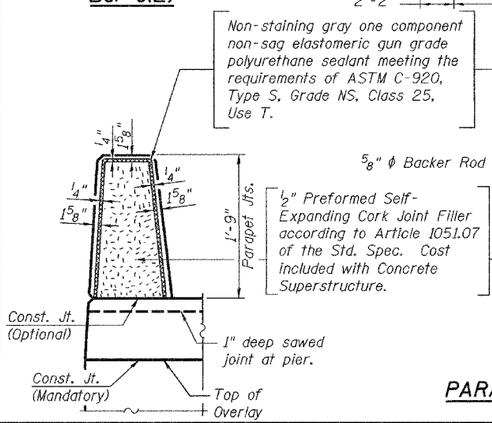
#4 = 1'-8"
#5 = 2'-2"



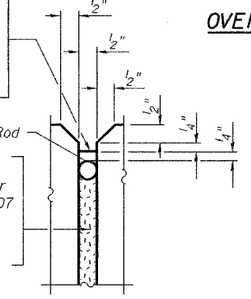
OVERLAY PLAN

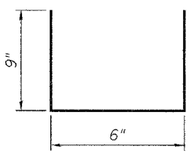


Bar c(E)



PARAPET JOINT DETAILS





Bar d2(E)

OVERLAY DETAILS AND TYPICAL SECTIONS F.A.U. RT. 1253 HALF DAY RD / EAST BRANCH OF SKOKIE DITCH LAKE COUNTY SN 049-0011

SLT-91-001-06