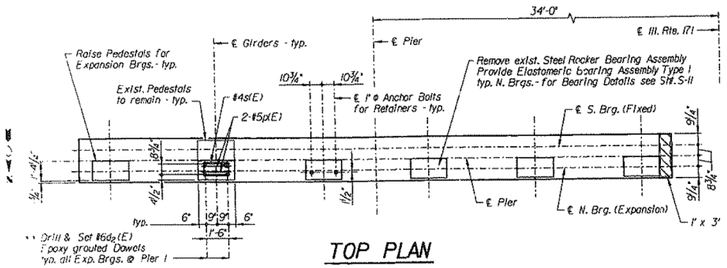
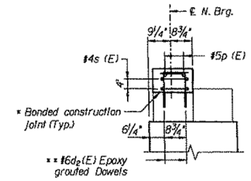
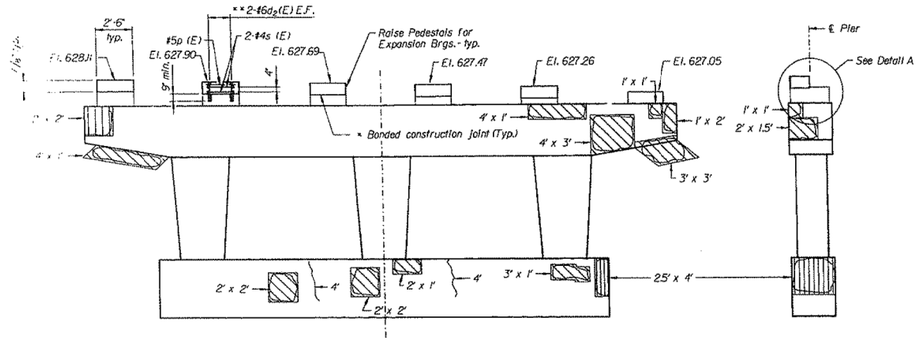


TOP PLAN



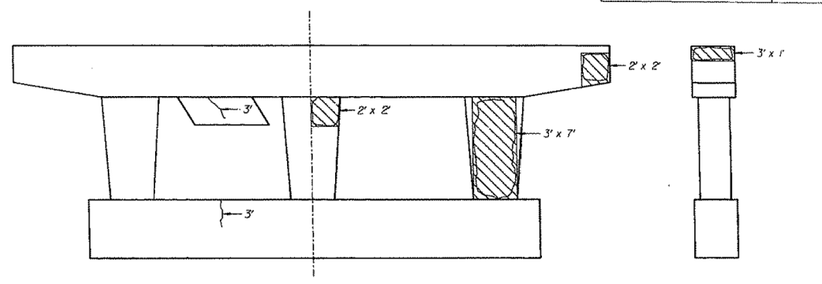
DETAIL A



NORTH ELEVATION - PIER NO. 1

END VIEW

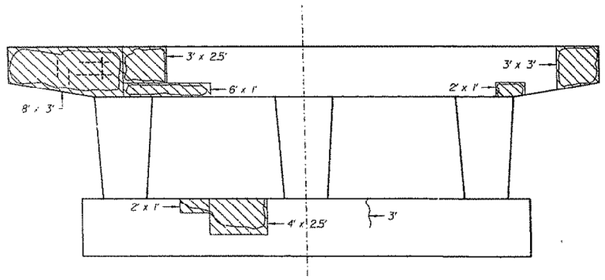
Looking East



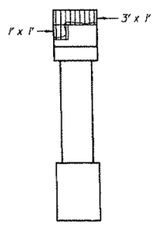
NORTH ELEVATION - PIER NO. 2

END VIEW

Looking East

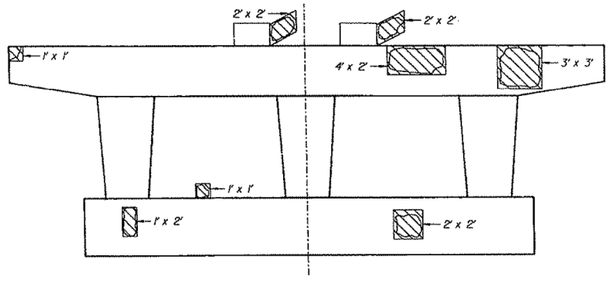


SOUTH ELEVATION - PIER NO. 1 NORTHBOUND

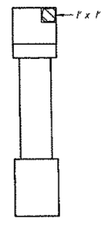


END VIEW

Looking West



SOUTH ELEVATION - PIER NO. 2 NORTHBOUND



END VIEW

Looking West

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
d_2(E)	24	#6	2'-0"	⌐
p (E)	12	#5	2'-0"	—
s (E)	12	#4	5'-11"	▭

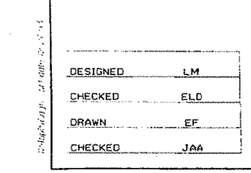
ITEM	UNIT	QTY.
Class X Concrete	Cu. Yd.	0.5
Reinforcement Bars, Epoxy Coated	Pound	40
Formed Concrete Repair Depth ≤ 5"	Sq. Ft.	8
Formed Concrete Repair Depth > 5"	Sq. Ft.	8
Epoxy Crack Sealing	Lin. Ft.	7

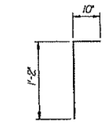
* Bonded construction joint in accordance to Article 504.13(a)(2) of Standard Specifications

** Epoxy grout d_2(E) bars in 1" diameter x 9" minimum drilled holes. The grout and the method of application shall be approved by the Department. (See Special Provisions.)

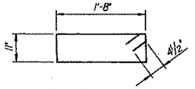
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R.O.I. F.A.U. 2746	102-063 HBK	COOK	385	100
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. S-9
SHEETS S-14





BAR d_2(E)



BAR s (E)

LEGEND

- Formed Concrete Repair ≤ 5" deep
- Formed Concrete Repair > 5" deep
- Exposed Reinforcing Bars
- Epoxy Crack Sealing

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
122 N. MICHIGAN AVENUE SUITE 2020 CHICAGO, ILLINOIS 60601
JOB NO. 124

PIER REPAIRS - NORTHBOUND

BRIDGE REHABILITATION ILLINOIS ROUTE 171
NORTHBOUND & SOUTHBOUND
OVER 47TH STREET
FAU 2746 SECTION 102-683 HBK
STATION 104+82.77
COOK COUNTY

STRUCTURE NO. 016-1001 N.B.
STRUCTURE NO. 016-1000 S.B.

D C B A 0 A B C D

FOR INFORMATION ONLY

benesch
engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10093

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	PLOT SCALE =	DRAWN - FSM	REVISED -
	PLOT DATE = 12/20/2012	CHECKED - RMM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN INFORMATION (20 OF 25)
STRUCTURE NO. 016-1000/1001
SHEET NO. SAX20 OF SAX25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	308
		CONTRACT NO. 60J16		
	ILLINOIS FED. AID PROJECT			

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