DISTRICT ONE – PLAN PREPARATION ENGINEI KEN ENG/ R. BORO (847) 705-4178
--

TOTAL SHEET ROUTE COUNTY SECTION SHEETS **NUMBER FAP 348** 3128-Z-HB-1-I COOK 16

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS** DISTRICT ONE

PROPOSED HIGHWAY PLANS

R 12 E

FAP ROUTE 348: ILL 43 (HARLEM AVE.) EB US 12 (95TH ST) RAMP TO SB IL 43 OVER CSX RAILROAD & RICHARD RD. **SECTION 3128-Z-HB-1-I** SN 016-1010 **BRIDGE REPAIRS COOK COUNTY** C-91-315-06

LOCATION OF IMPROVEMENT INDICATED THUS:

SUBMITTED:

TRAFFIC DATA (RAMP) 2005 ADT = 24,750POSTED SPEED = 40 M.P.H.

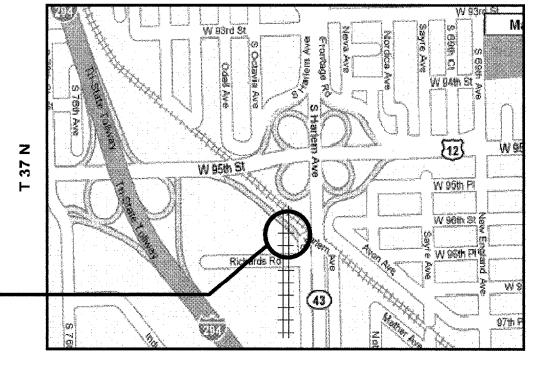
FOR INDEX OF SHEETS SEE SHEET 2

IMPROVEMENT IS LOCATED

IN THE VILLAGE OF

BRIDGEVIEW

IMPROVEMENT LOCATION: SN 016-1010



WORTH TOWNSHIP

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

CONTRACT NO.: 60B25

Lake

D-91-315-06

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

J.U.L.I.E..: JOINT UTILITY LOCATION **INFORMATION FOR EXCAVATION** (800) 892-0123

CONTRACT NO. 60B25

		e.	TOTAL	SHEET
ROUTE	SECTION	COUNTY	SHEETS	NUMBER
FAP 348	3128-Z-HB-1-I	COOK	16	2

CONTRACT NO. 60B25

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, & GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TRAFFIC STAGING
5 - 15	BRIDGE REPAIR DETAILS
16	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES

STATE STANDARDS

STANDARD NO	DESCRIPTION
701301 - 02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
702001 - 0 6	TRAFFIC CONTROL DEVICES

EXISTING MIN. VERTICAL CLEARANCE (RICHARDS RD.) = 18' - 10 3/8"

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE." (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR TOLLWAY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORKS.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM BRIDGE INSPECTORS.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS STATE STANDARDS GENERAL NOTES

SUMMARY OF QUANTITIES

16ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 348	3128-Z-HB-1-I	соок	16	3

CONSTRUCTION TYPE CODE SFTY-2A

CONTRACT: 60B25

CODE NO.	DESCRIPTION		URBAN-1001/STATE
		UNIT	QUANTITIES
58700300	CONCRETE SEALER	SQ FT	7155
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	1
67100100	MOBILIZATION	L SUM	1
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
X0320887	POLYMER CONCRETE	CU FT	15,5
X0321744	SILICONE JOINT SEALER, 2"	FOOT	148
X0322467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SQ FT	24
X0323076	SILICONE JOINT SEALER, 1 3/4"	FOOT	112
X0325303	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	79
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	11 6 0
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	6
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	8

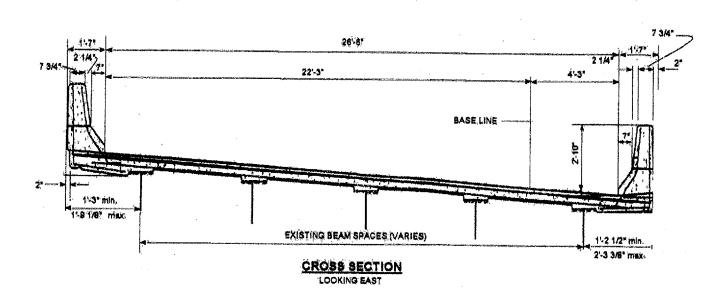
ILLINOIS DEPARTMENT OF TRANSPORTATION

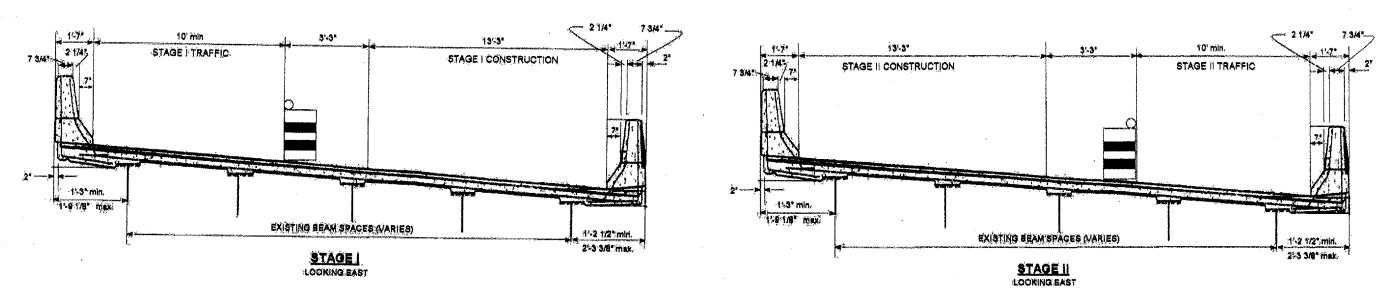
SUMMARY OF QUANTITIES

Rev.

			TOTAL	SHEET
ROUTE	SECTION	COUNTY	SHEETS	NUMBER
FAP 348	3128-Z-HB-1-I	COOK	16	4

CONTRACT No. 60B25





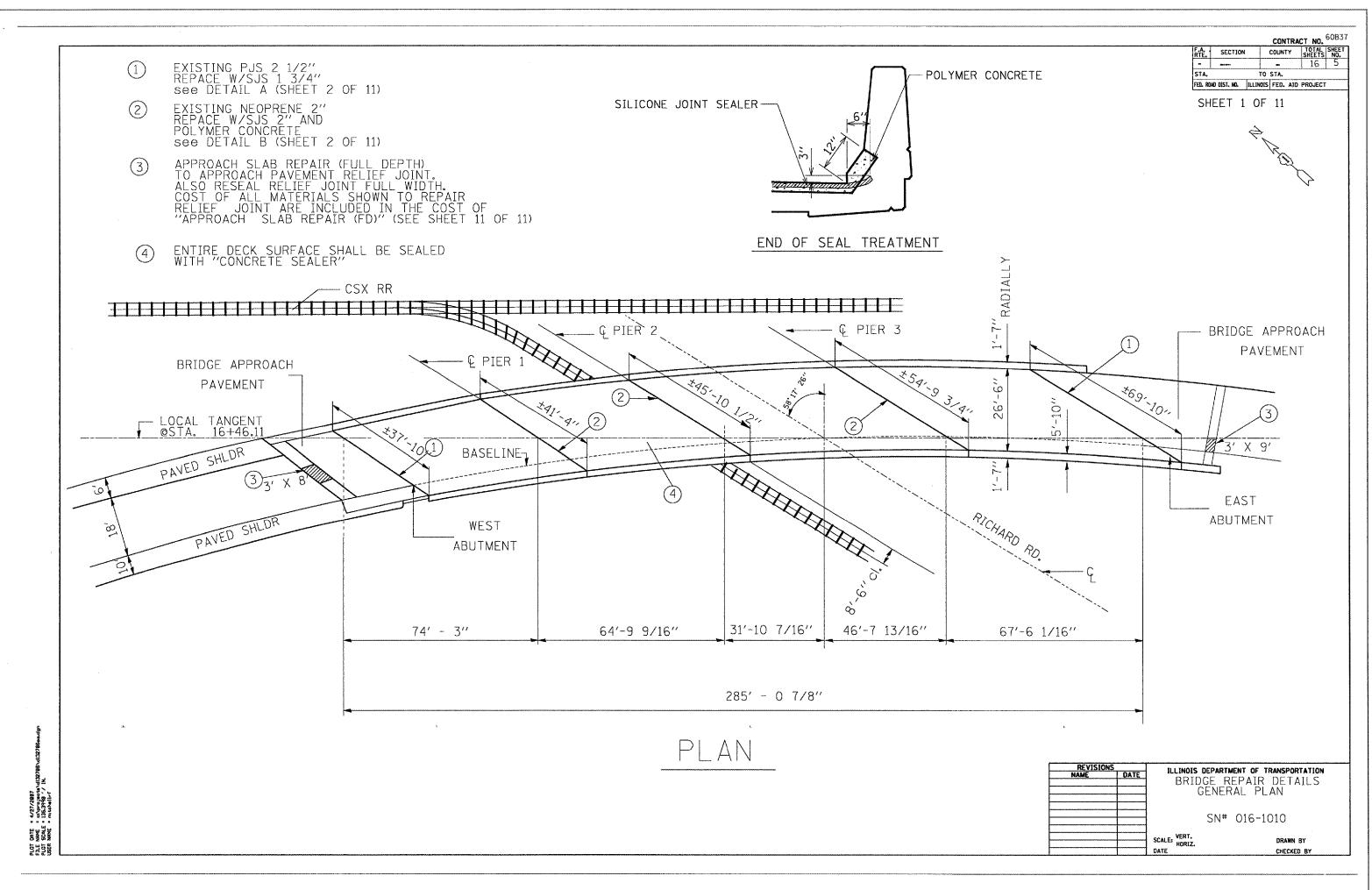
DRUMS SHALL BE SPACED AS SHOWN IN THE "PARTIAL RAMP CLOSURE DETAILS" ON THE DISTRICT "TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES & PARTIAL RAMP CLOSURES".

BASES OF PAYMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE LUMP SUM FOR "TRAFFIC CONTROL & PROTECTION (SPECIAL)"

ILLINOIS DEPARTMENT OF TRANSPORTATION

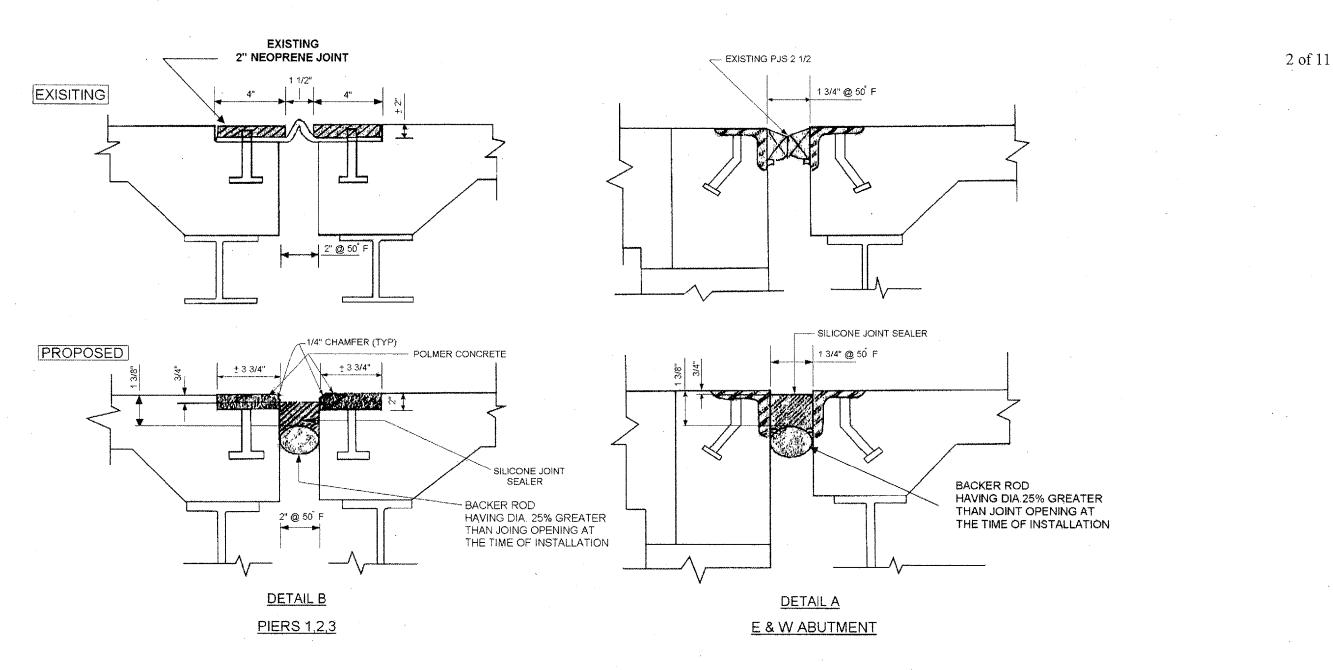
TRAFFIC STAGING

EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010



				TOTAL	SHEET
	ROUTE	SECTION	COUNTY	SHEETS	NUMBER
,	FAP 348	3128-Z-HB-1-I	COOK	16	. 6

Γ No. 60B25



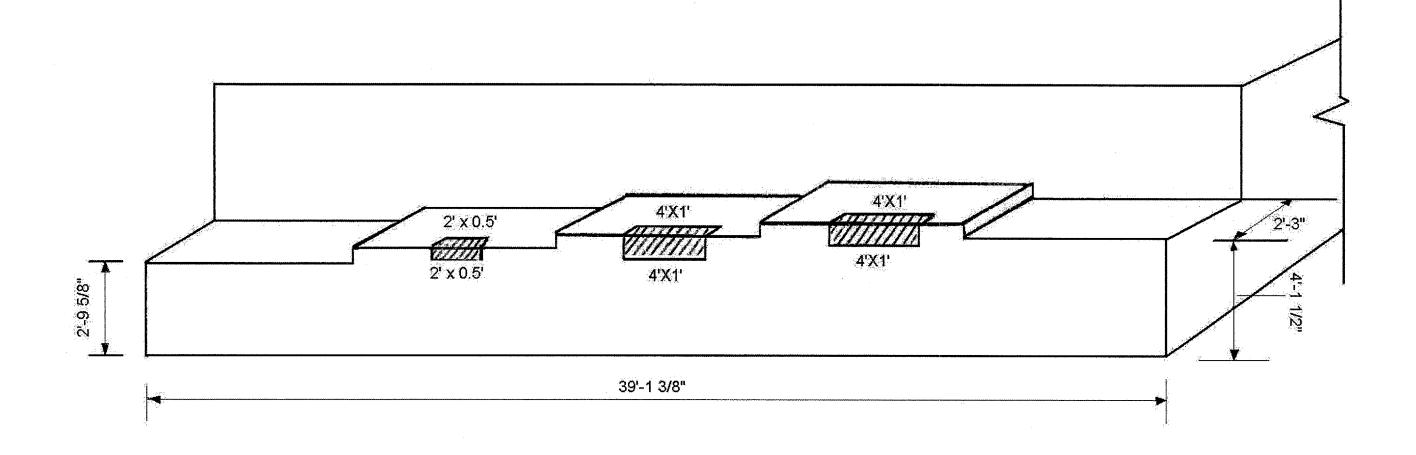
ILLINOIS DEPARTMENT OF TRANSPORTATION

EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010 BRIDGE REPAIR DETAILS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 348	3128-Z-HB-1-I	COOK	16	7

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WEST ABUTMENT

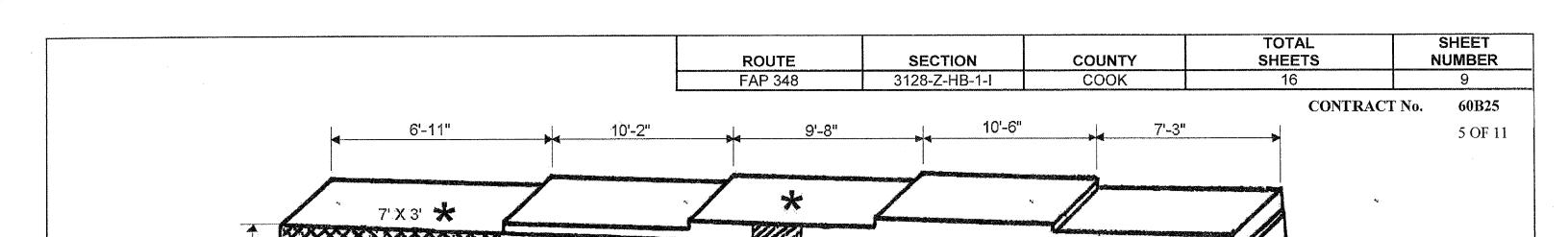
(LOOKING WEST)

STRUCTUAL REPAIR OF CONCRETE (≤5"), 46 SQ. FT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010 STRUCTURAL PLAN

	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	FAP 348	3128-Z-HB-1-I	COOK	16 CONTRACT I	8 No. 60B25
					4 OF 11
					4 01 11
A		N		~	
7'-3"	" <u> </u> 1	0'-2" <u></u>	6'-11"		
	*	P			
		uncommunication of the state of			
2'x1'			* 3' X 2.75		
	4'-6"	10' X 2'		2.25' X 3.5' (NOSE) (≤5")	
3'x2'	TYPICAL			22	
9'-5" (TYP)		X 1'	6'-3"	5.25' X 3.5' (UNDERSIDE) (≤5")	
		(5")	(TYP)		
1'X2' (≤5") COLUMN SIDE 1'x2'	3'-4"				
	TYPICAL	mann Alli	2/// 241721		
			31'X3'	SHEET 1 & 2	
	31'-8"	ka ne nati dan di mangana dan di mangan dan sa mangan dan dan pandang gapan pandan sa manan dan dan dan dan dan	inkinskid nigovorozmod		
3'-6"	WEST FACE		≱∮	ILLINOIS DEPARTME	
	KING EAST)			TRANSPORTATI	ON
				PIER 1 WEST FA EB 95 TH ST RAMP SB TO IL 43	3 (HARLEM AVE)
FOR QUANTITIE	ES SEE SHEET 5 O	F 11		SN 016-1010 STRUCTURAL PI	



2' X 1'

1'X2'

2' X 2'

4'-6"

(TYP)

3'-4" (TYP)

9'X5"

(TYP)

5' X 1.5'

PIER 1 BILL OF MATERIALS

TOP OF -FOOTING

4' X 4'

(SIDE) (≤5")

6'-3"

(TYP)

1' X 7'

SIDE (≤5")

PIER 1 EAST FACE (LOOKING WEST)

24'-4 1/8"

STRUCTURAL REPAIR OF CONCRETE (≤5"),

12' X 2'

6' X 1.5'

5' X 1' 👡

UNDERSIDE

(≤5")

(≤5") 1' X 2' SIDE '

WEST FACE:169 SQ. FT. EAST FACE: 96 SQ. FT. TOTAL

1'X7'

265 SQ.FT.

STRUCTURAL REPAIR OF CONCRETE (>5"), 21 SQ. FT.

*

BEAM END SUPPORT REQ. BEAM 1 (E & W) & 3 (E FACE)

TEMPORARY SHORING & CRIBBING - EACH - 3

	REACTIONS			
	SPAN 1	SPAN 2		
R DL (K)	32.1	31.2		
RLL (K)	36.5	37.5		
R IMP (K)	10.1	10.6		
R (TOTAL)	78.7	79.3		

SHEET 2 & 2

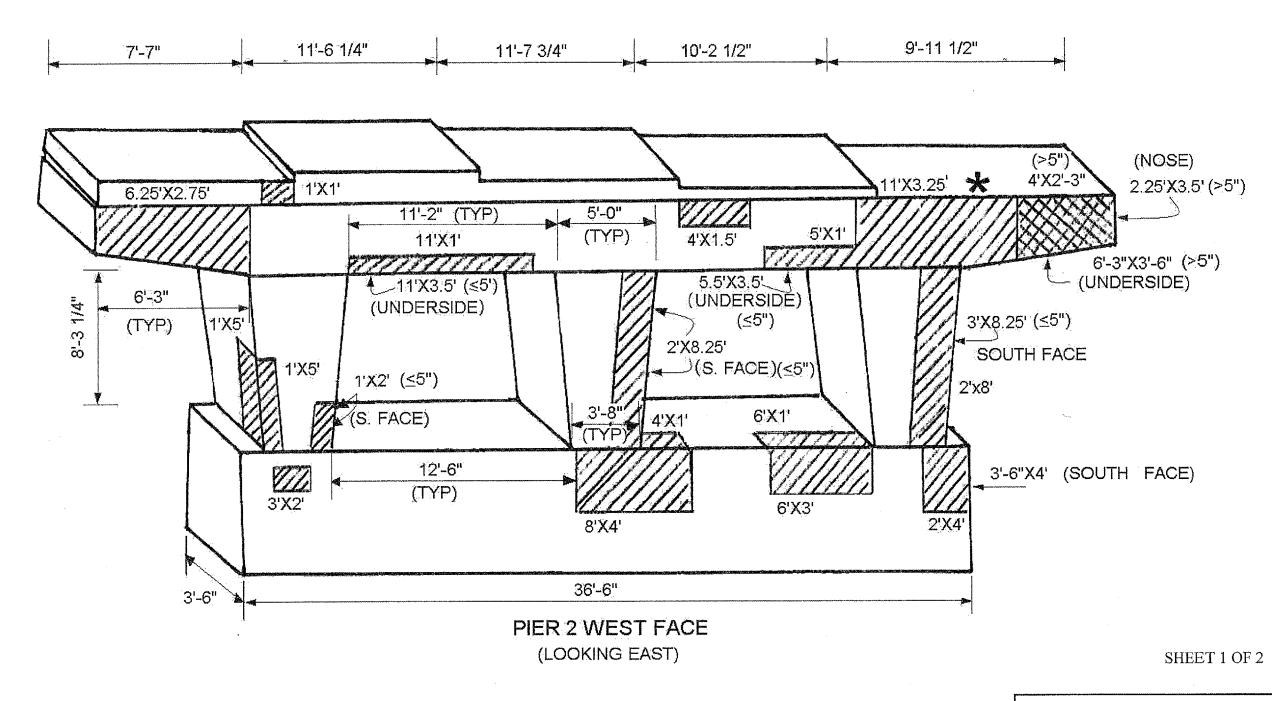
ILLINOIS DEPARTMENT OF **TRANSPORTATION**

PIER 1 EAST FACE EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010 STRUCTURAL PLAN

			TOTAL	SHEET
ROUTE	SECTION	COUNTY	SHEETS	NUMBER
FAP 348	3128-Z-HB-1-I	COOK	16	10

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ILLINOIS DEPARTMENT OF TRANSPORTATION

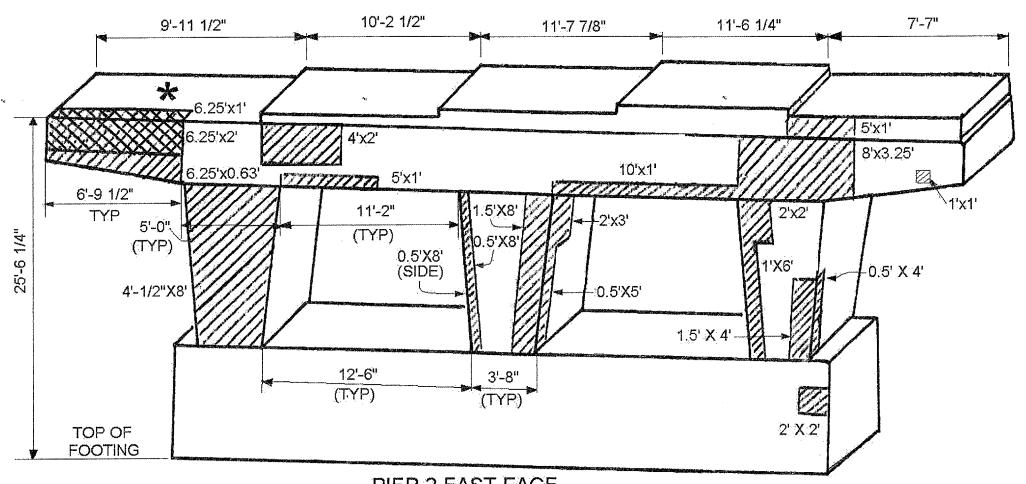
PIER 2 WEST FACE EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010 STRUCTURAL PLAN

FOR QUANTITIES SEE SHEET 7 OF 11

:	DAUTE	oronioli	COLINTY	TOTAL	SHEET
	ROUTE	SECTION	COUNTY	SHEETS	MOMBER
	FAP 348	3128-Z-HB-1-l	COOK	16	11

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PIER 2 BILL OF MATERIALS

PIER 2 EAST FACE (LOOKING WEST)

STRUCTURAL REPAIR OF CONCRETE (≤5")

WEST FACE: 309 SQ. FT. EAST FACE: 146 SQ. FT. 455 SQ. FT. TOTAL



STRUCTURAL REPAIR OF CONCRETE (> 5"),

WEST FACE: 39 SQ. FT. EAST FACE: 19 SQ. FT. TOTAL 58 SQ. FT.

BEAM END SUPPORT REQ. BEAM 1 (EAST & WEST FACE) ×

TEMPORARY SHORING & CRIBBBING, EACH - 2

	REACTIONS	
	SPAN 2	SPAN 3
RDL (K)	31.2	45.1
RLL (K)	37.5	35.4
R IMP (K)	10.6	8.8
R (TOTAL)	79.3	88.2

SHEET 2 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 2 EAST FACE EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010 STRUCTURAL PLAN

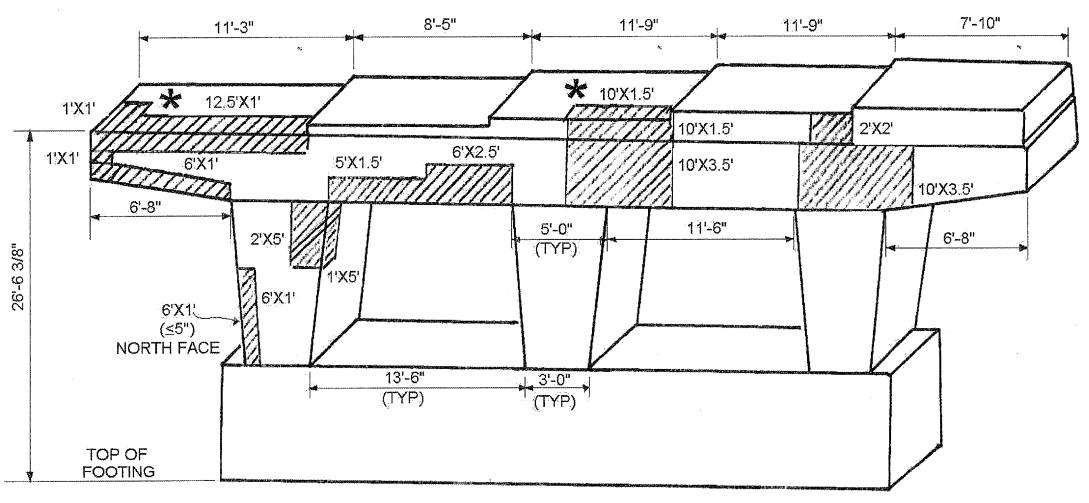
	ROUTE FAP 348	SECTION 3128-Z-HB-1-I	COUNTY COOK	TOTAL SHEETS 16	SHEET NUMBER 12
L.	174 010	0120211011		CONTRACT No.	60B25
	TYP 11.5'	13'X2'		3.5'X2.25' (NOSE) (≤5") 3.25'X3.5' (≤5") INDERSIDE	8 OF 11
				SHEET 1 OF 2	
				ILLINOIS DEPARTMENT TRANSPORTATION	
	TITIES SEE SHEI			PIER 3 WEST FACE EB 95 TH ST RAMP SB TO IL 43 (H SN 016-1010 STRUCTURAL PLAN	IARLEM AVE)

form date: 5/05/2003

			TOTAL	SHEET
ROUTE	SECTION	COUNTY	SHEETS	NUMBER
FAP 348	3128-Z-HB-1-I	COOK	16	13

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PIER 3 BILL OF MATERIALS

PIER 3 EAST FACE (LOOKING WEST)



STRUCTURAL REPAIR OF CONCRETE (≤5")

WEST FACE: 199 SQ. FT. EAST FACE: 174 SQ. FT. TOTAL 373 SQ. FT.

REACTIONS					
	SPAN 3	SPAN 4			
R DL (K)	45.1	47.1			
RLL (K)	35.4	33.1			
R IMP (K)	8.8	8.0			
R (TOTAL)	89.3	88.2			

SHEET 2 OF 2



BEAM END SUPPORT REQ. BEAM 1 EAST & WEST FACE & BM 3 EAST FACE

TEMPORARY SHORING & CRIBBING, EACH - 3

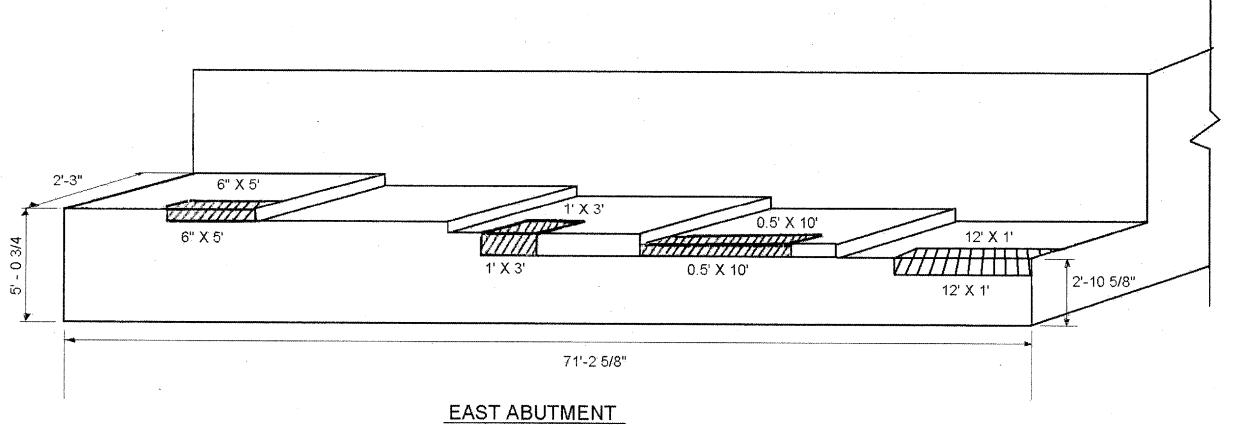
ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 3 EAST FACE EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010 STRUCTURAL PLAN

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 348	3128-Z-HB-1-I	COOK	16	14

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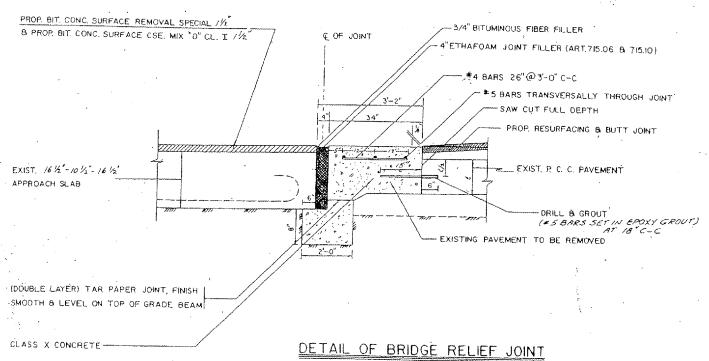


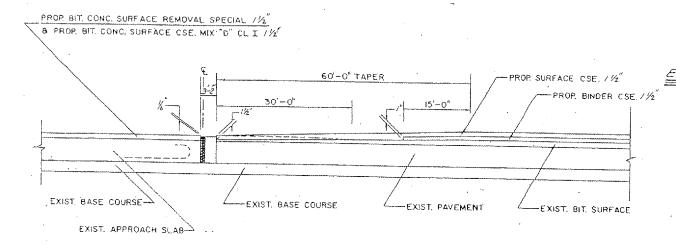
STRUCTURAL REPAIR OF CONRETE (≤5"), 21 SQ. FT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010 STRUCTURAL PLAN

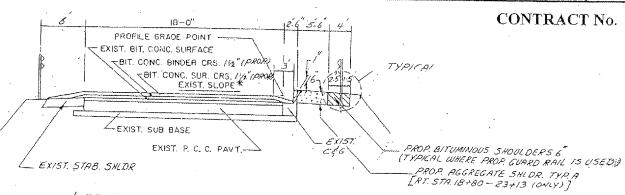
		<u> </u>		
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 348	3128-Z-HB-1-1	COOK	16	15
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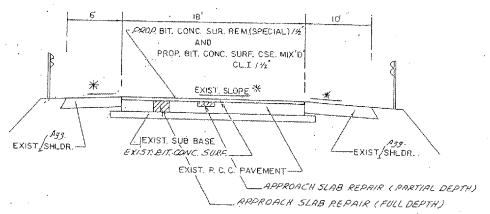


DETAIL 60' TAPER BUTT JOINT

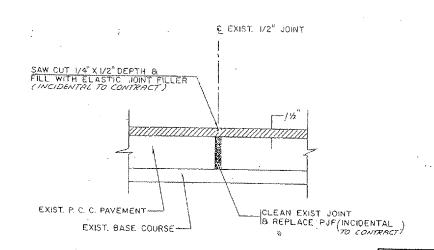
FOR INFORMATION ONLY



EXISTING & PROPOSED TYPICAL SECTION RAMP A (SEC. A-A)



EXISTING & PROPOSED TYPICAL SECTION APPROACH SLAB (SEC. B-B)



SECTION THRU EXPANSION JOINT (SEC. C-C)

APPROACH SLAB

ILLINOIS DEPARTMENT OF TRANSPORTATION

60B25

APPROACH PAVEMENT

EB 95TH ST RAMP SB TO IL 43 (HARLEM AVE) SN 016-1010

