

BILL OF MATERIAL - NORTH ABUTMENT - SN 013-0010					
ITEM	UNIT	STAGE I	STAGE II	TOTAL	
CONCRETE REMOVAL	CU YD	2.8	2.8	5.6	
BRIDGE JOINT SYSTEM (EXPANSION), 158"	FOOT	16.50	18.50	35.0	
CONCRETE SUPERSTRUCTURE	CU YD	2.6	2.8	5.4	
REINFORCEMENT BARS (EPOXY COATED)	POUND	290	320	610	
BAR SPLICERS	EACH	11		11	

3- #5 d(E) BARS @ 10" CTS. (FRONT FACE)

3- #4 d1(E) BARS @ 10" CTS. (BACK FACE) #5 d2(E) BARS @ 10" CTS. (EACH FACE)

4-#5 al(E) BARS TOP AND BOTTOM

STAGE II CONSTRUCTION

STAGE I CONSTRUCTION

4-#5 d(E) BARS TOP AND BOTTOM

4-BAR SPLICERS (E) FOR #5 BARS TOP AND BOTTOM

SAWCUT-

SAW END OF HANDRAIL TO ALLOW A MINIMUM

AND REINSTALL RAIL POST AND END CAP.

(SHALL BE INCLUDED IN THE COST OF CONCRETE REMOVAL)

EXISTING ①

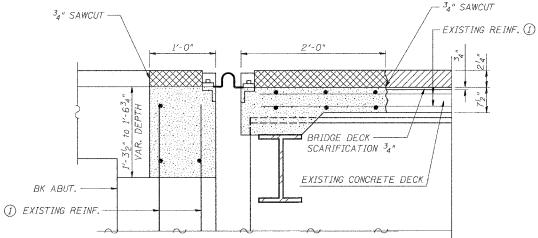
REINFORCEMENT

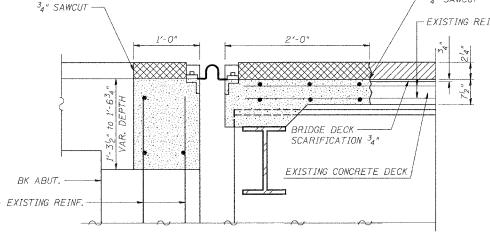
OF 2" CLEARANCE FROM END POST. SALVAGE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

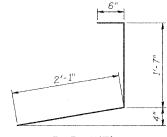


17 SHEETS





BAR d(E)



BAR d1(E)

EXISTING NORTH ABUTMENT SECTION A-A

(1) EXISTING REINFORCEMENT BARS SHALL
BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONCRETE

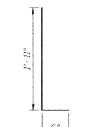
CONCRETE REMOVAL

BITUMINOUS CONCRETE REMOVAL

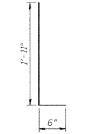
BITUMINOUS CONCRETE REMOVAL TO BE PAID FOR AS CONCRETE REMOVAL

DURING CONCRETE REMOVAL IT WILL BE NECESSARY TO REMOVE A PORTION OF THE ALUMINUM RAIL AND SOME RAIL POSTS. THE ANCHORAGE DEVICES AND BOLTS FOR THE RAIL POSTS SHALL BE SALVAGED FOR REINSTALLATION.

AFTER REINSTALLATION, THE BASE OF THE POSTS SHALL BE SEALED WITH A TWO COMPONENT NON-STAINING GRAY SEALING COMPOUND WITH POLYSULFIDE LIQUID POLYMERS-GUN GRADE WITH PRIMER. COST OF REMOVAL AND REINSTALLATION OF RAILING IS INCLUDED WITH CONCRETE REMOVAL.







BAR d2(E)

BAR X(E)

For Bar Splicer details see sheet 10 of 17 For Bridge Joint System details see sheets 11 and 12 of 17

> EXPANSION JOINT DETAILS NORTH ABUTMENT FAP 328 - SECTION 5BR-2 OVER LITTLE WABASH RIVER CLAY COUNTY STATION 1281+15 STRUCTURE NO. 013-0010

REINFORCEMENT DETAIL NORTH ABUTMENT	
IL TO ALLOW A MINIMUM ROM END POST. SALVAGE L POST AND END CAP.) IN THE COST OF	# ₍
2" 10" 9" d2(E) 2" d(E) 3'-0"	①

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--- SAWCUT

-- 2-#6 h1(E) BARS BOTTOM

- 2-#6 h(E) BARS BOTTOM

-1-#6 KE) BARS TOP

— I BAR SPLICER (E) FOR #6 BAR TOP

-2 BAR SPLICERS (E) FOR #6 BAR BOTTOM

--- 1-#6 h1(E) BARS TOP

STRIP SEAL EXPANSION JOINT ASSEMBLY 2." MICROSILICA CONCRETE EXISTING 1 #6 h(E) BARS STAGE I REINFORCEMENT #6 h1(E) BARS STAGE II #5 x(E) BARS @ 1'-0" CTRS. BONDED CONST. BK ABUT. #5 a(E) BARS STAGE #5 al(E) BARS STAGE II BONDED CONSTRUCTION JOINT (TYPICAL) EXISTING REINFORCEMENT

PROPOSED	NORTH	ABUTMENT			
SECTION A-A					

TYPICAL CONCRETE REPLACEMENT AT NORTH ABUTMENT B.W.P. DESIGNED CHECKED CHECKED

3'-0" PARAPET DETAIL

-#5