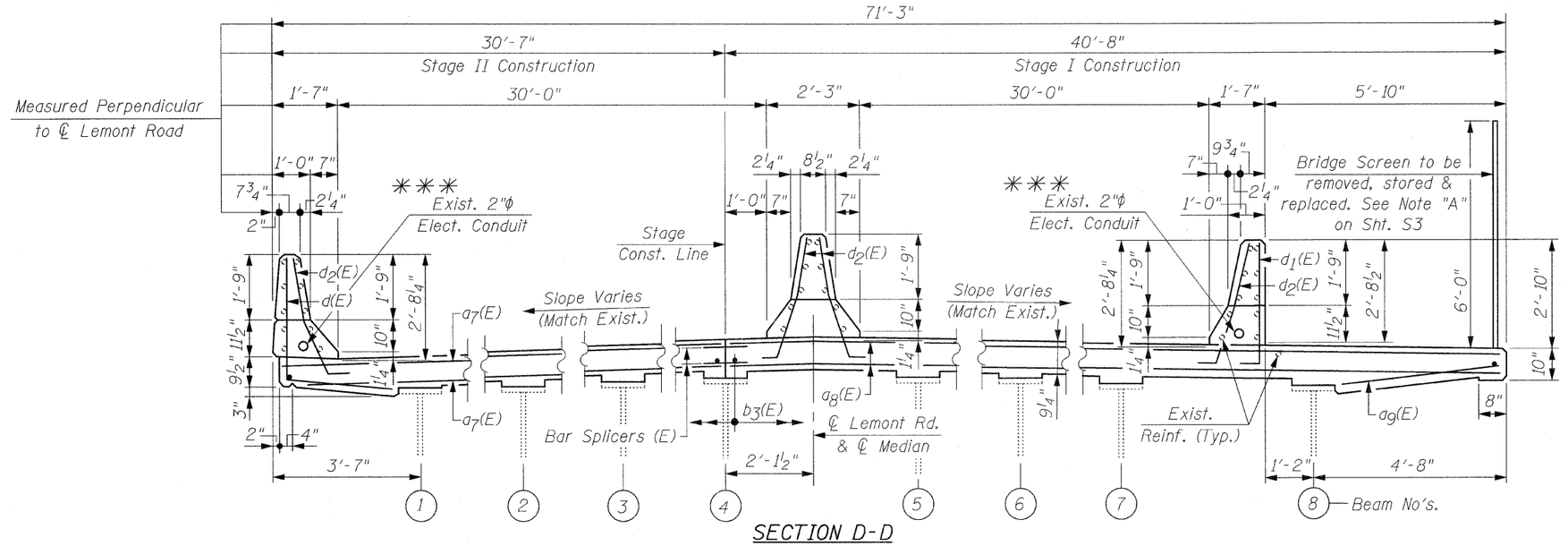
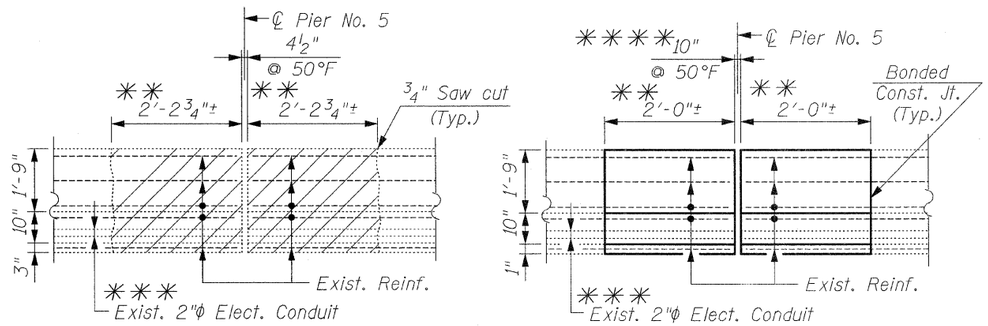


SECTION D-D



EXIST. MEDIAN & PARAPET CONCRETE REMOVAL

PROPOSED MEDIAN & PARAPET CONCRETE REPLACEMENT

BILL OF MATERIAL

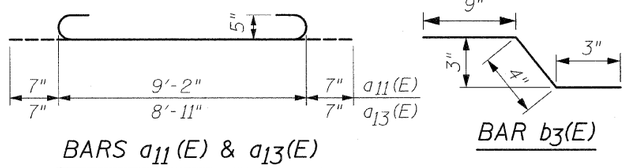
Bar	No.	Size	Length	Shape
a_7(E)	24	#5	31'-4"	——
a_8(E)	48	#5	22'-2"	——
a_9(E)	12	#4	3'-10"	——
a_{10}(E)	36	#5	9'-2"	——
a_{11}(E)	36	#5	10'-4"	⊂⊃
a_{12}(E)	12	#5	8'-11"	——
a_{13}(E)	12	#5	10'-1"	⊂⊃
b_3(E)	218	#5	1'-4"	⌐
b_4(E)	40	#5	7'-0"	——
d(E)	6	#4	5'-8"	L
d_1(E)	10	#4	3'-8"	⌋
d_2(E)	28	#5	3'-11"	L
Reinforcement Bars, Epoxy Coated		Pound	3,650	
Bar Splicers		Each	24	
Concrete Removal		Cu. Yd.	18	
Concrete Superstructure		Cu. Yd.	20	
Protective Coat		Sq. Yd.	8	
Modular Expansion Joint, 6"		Foot	75	

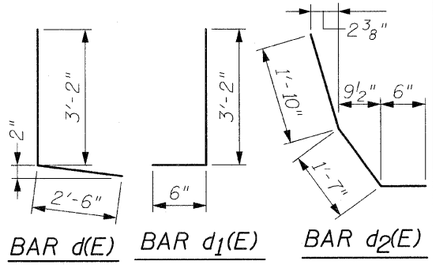
Bars indicated thus 6x2-#5 etc., indicates 6 Lines of Bars with 2 Lengths per Line

●● Quantity is for Top & Inside Face of Reconstructed Parapets and Median

NOTE:
Work This Sheet With Sht's. S17 & S19

MIN. BAR LAP:
#4 Bars = 1'-8"
#5 Bars = 2'-2"
#6 Bars = 2'-7"
#7 Bars = 3'-5"
#8 Bars = 4'-6"





✳✳ The Contractor shall locate and verify the exact location of the boundaries of the existing PPC Plank being removed prior to Saw cutting and removal. The Contractor must adjust Reinforcement based on the actual Joint location. The Contractor shall use extreme care during Concrete Removal to avoid damaging the Adjacent existing PPC Planks that are to remain in place. If the Resident Engineer determines that the existing Planks that are to remain are damaged due to the Contractor's operations, the damaged Planks shall be repaired or replaced at the Contractor's expense.

✳✳✳ The Existing Conduit will remain. Concrete in the area of the Conduit must be hand removed. The Contractor must take all necessary precautions as not to damage the Existing Conduit in any way, if the Conduit is damaged a new Coupler, Conduit and Utilities must be provided by the Contractor at no additional cost to I.D.O.T. All power to any Utilities going into the Conduit, in the Construction area, must be turned off and such utilities must be temporarily re-routed during Construction. Cost included with Concrete Removal.

✳✳✳✳ Length of Block Outs, Width of Joints, Number of Reinforcement Bars and Bar Splicers that are needed may vary as required by the Joint Manufacturer.

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS / PLANNERS / SURVEYORS
211 W. WACKER DRIVE CHICAGO, IL. 60606
PHONE: (312)372-2023 FAX: (312)372-5274

FILE NAME = exp_Jt-Pier-5-II.dgn	USER NAME = IDOT	DESIGNED - B.N.S.	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - R.E.S./D.L./F.M.	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - B.N.S./J.C.N.	REVISED -	
	PLOT DATE = 1/30/2009	DATE - JANUARY, 2009	REVISED -	

EXPANSION JOINT DETAILS AT PIER NO. 5 – II
LEMONT ROAD OVER DES PLAINES RIVER S.N. 016-2504

SCALE: | SHEET NO. S20 OF S41 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2612	3104 B-1-I-2	COOK	80	56
		CONTRACT NO. 60D76		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		