

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	80% FED 20% STATE 0013						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	150	150					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	347	347					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	70.0	70.0					
42101300	PROTECTIVE COAT	SO YD	10	10					
50102400	CONCRETE REMOVAL	CU YD	25	25					
50157300	PROTECTIVE SHIELD	SO YD	1135	1135					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	25	25					
50300260	BRIDGE DECK GROOVING	SO YD	3478	3478					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4415	4415					
50800515	BAR SPLICERS	EACH	60	60					
52000110	PREFORMED JOINT STRIP SEAL	FOOT	240	240					
<del>58700300</del>	<del>CONCRETE SEALER</del>	<del>SO FT</del>	<del>31422</del>	<del>31422</del>					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
67100100	MOBILIZATION	L SUM	1	1					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	45	45					
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	12160	12160					

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	80% FED 20% STATE 0013						
70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	125	125					
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	16	16					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	812	812					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	812	812					
70600241	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2					
70600341	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	125	125					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1844	1844					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	853	853					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	125	125					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	24	24					
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	21.4	21.4					
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2856	2856					
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	60	60					
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	275	275					

FILE NAME :	USER NAME : rossann	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>US-14 /IL-173 (DIVISION ST.) AT UPRR SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\nvl084ebidinteg\h\ndocs\p\w\DOT\Documents\DOT\Offices\District\Projects\DI2851\CADD\Design\DI2851\DR\DR.dgn		CHECKED -	REVISED -			303	29VB-BR(17)	MCHENRY	42	3	
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 62F35					
PLOT DATE = 12/14/2018						SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT	

\*= SPECIALTY ITEM

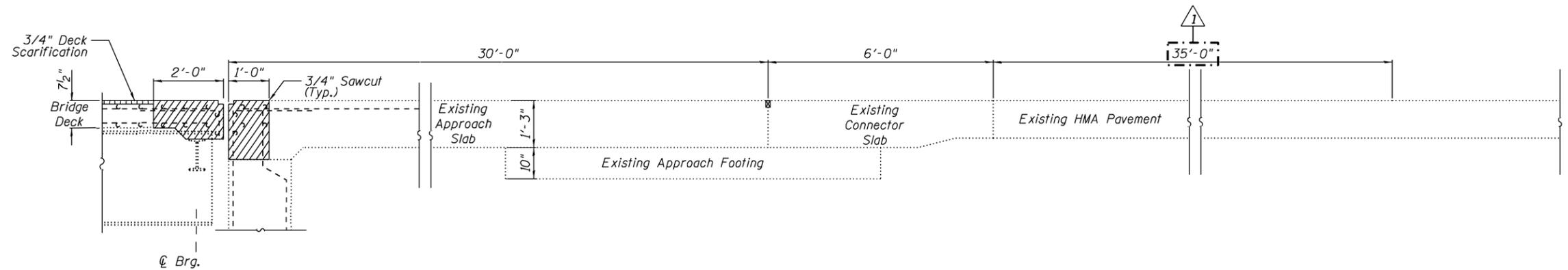


**GENERAL NOTES**

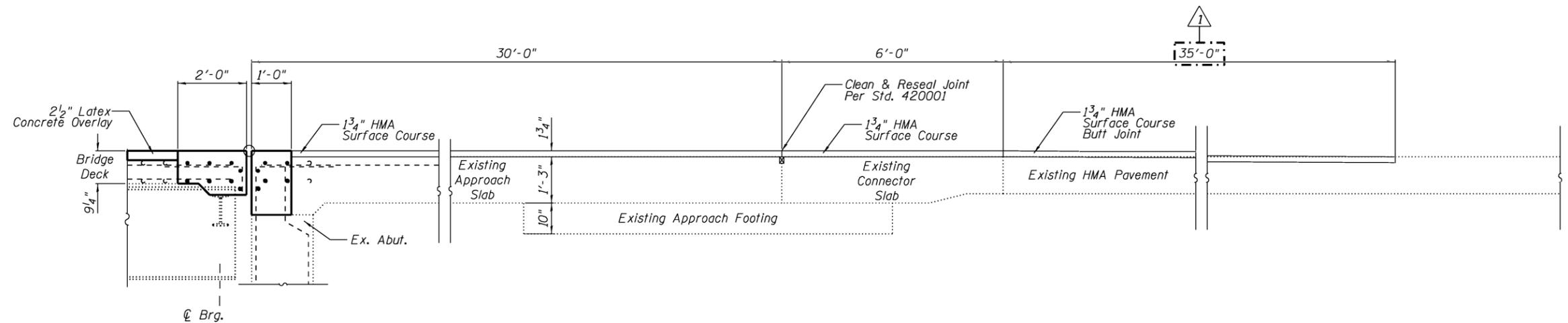
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Prior to pouring the new concrete, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
3. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
4. Plan dimensions and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.
5. Protective Coat shall be applied to the designated areas of the sidewalk and parapets.
6. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
7. Existing reinforcement bars are to be cleaned 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.
8. Removal and disposal of the existing expansion joints will not be paid separately, but shall be included with the cost of Concrete Removal.
9. Repair areas are estimated. The Engineer shall determine actual repair locations and record them on the As-built plans.
10. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Protective Coat	Sq. Yd.	10
Concrete Removal	Cu. Yd.	25
Protective Shield	Sq. Yd.	1135
Concrete Superstructure	Cu. Yd.	25
Bridge Deck Grooving	Sq. Yd.	3478
Reinforcement Bars, Epoxy Coated	Pound	4415
Bar Splicers	Each	60
Preformed Joint Strip Seal	Foot	240
Bridge Deck Concrete Sealer	Sq. Ft.	31,422
Cleaning Bridge Scuppers and Downspouts	Each	4
Clean and Reseal Relief Joint	Foot	120
Bridge Deck Latex Concrete Overlay 2 1/2"	Sq. Yd.	3181
Bridge Deck Scarification 3/4"	Sq. Yd.	3181
Structural Repair of Concrete (Depth Equal to or less than 5 inches)	Sq. Ft.	959
Structural Repair of Concrete (Depth Greater than 5 inches)	Sq. Ft.	56
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	2
Temporary Shoring and Cribbing	Each	18
Pin and Link Plate Replacement	Each	8



**EXISTING APPROACH SLAB**  
Dimensions along  $\varnothing$  of US 14



**PROPOSED APPROACH SLAB**  
Dimensions along  $\varnothing$  of US 14

FILE NAME =  
**AES** AES Services, Inc.  
111 S. Wacker Drive, Suite 3910  
Chicago, IL 60606  
Ph: 312-23-6783

USER NAME =	DESIGNED - AWM	REVISED - $\Delta$ 02/21/2019 AWM
	CHECKED - MS	REVISED -
PLOT SCALE =	DRAWN - JS, AWM	REVISED -
PLOT DATE =	DATE - 12/07/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

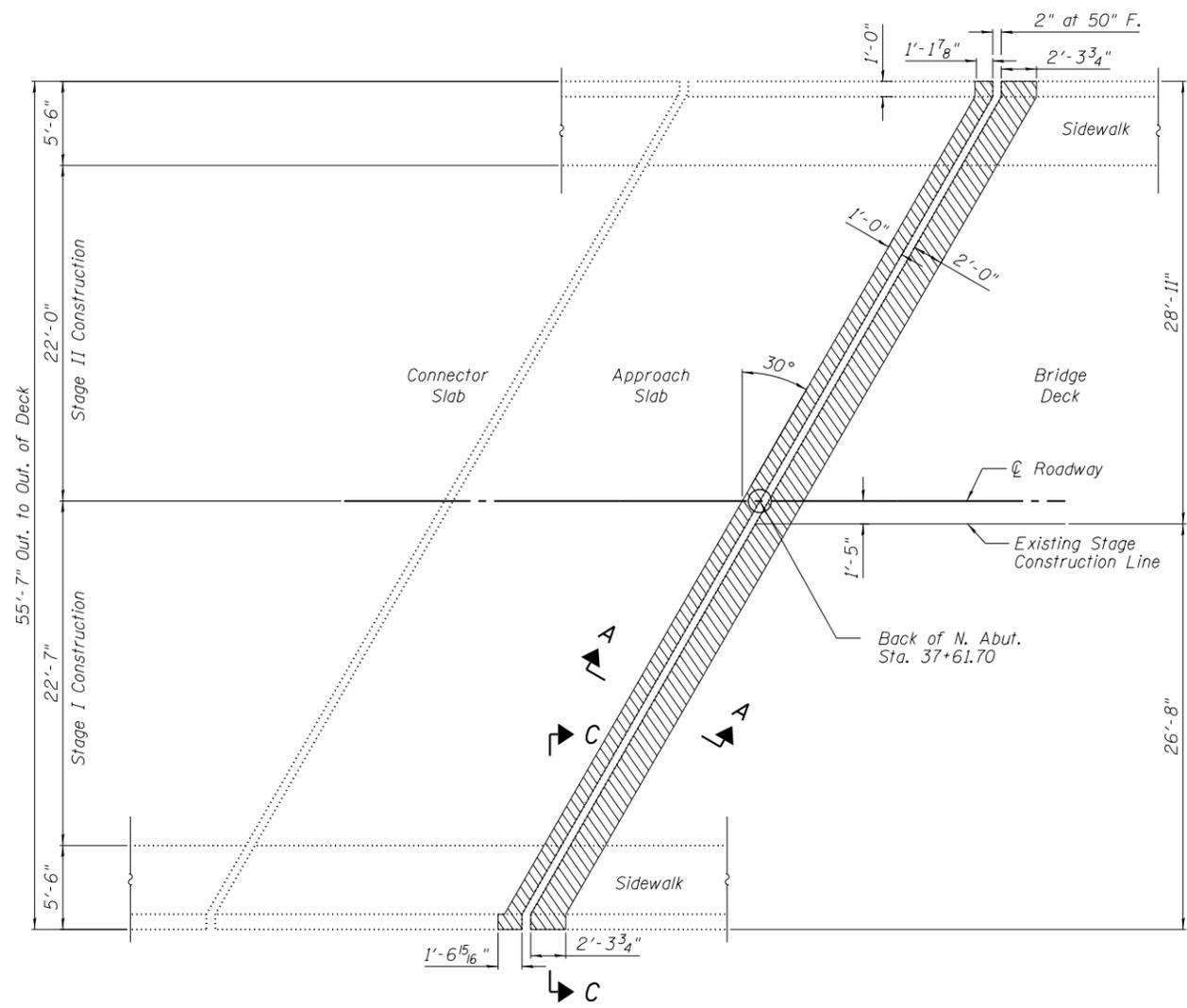
**APPROACH SLAB TRANSITION (NORTH & SOUTH)**  
**STRUCTURE NO.: 056-0007**

SHEET NO. S-9 OF S-27 SHEETS

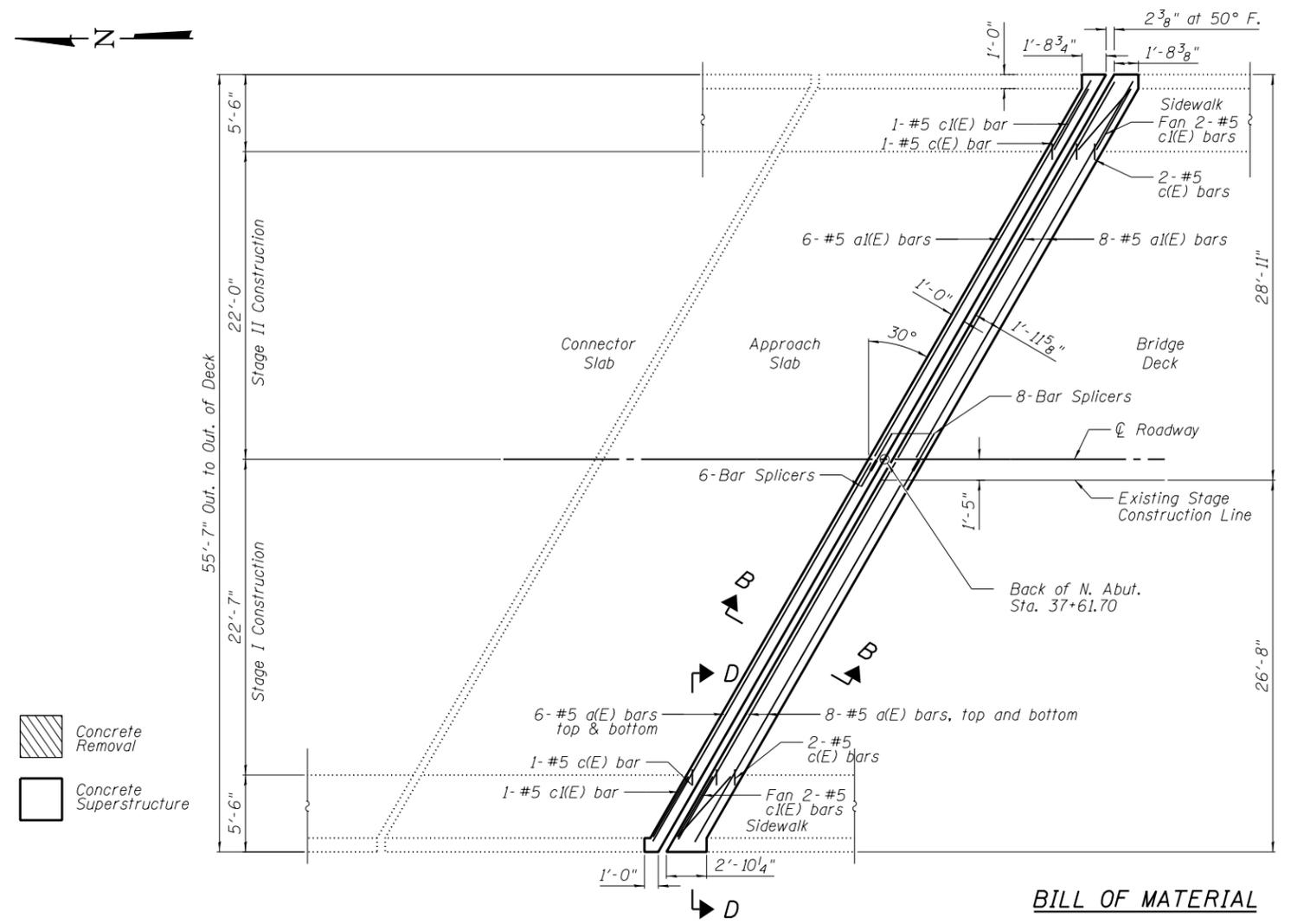
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	29VB-R(83)	McHENRY	42	13
CONTRACT NO. 62F35				

ILLINOIS FED. AID PROJECT

$\Delta$  REV. 2/25/19



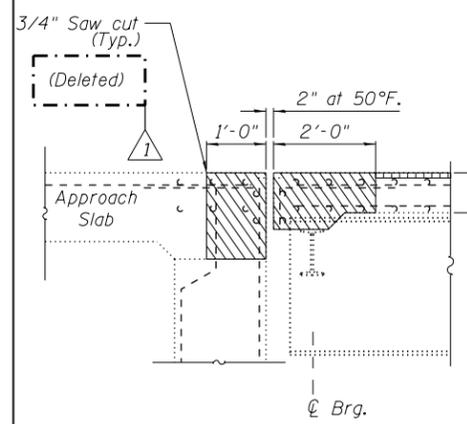
**CONCRETE REMOVAL PLAN**  
(North Abutment)



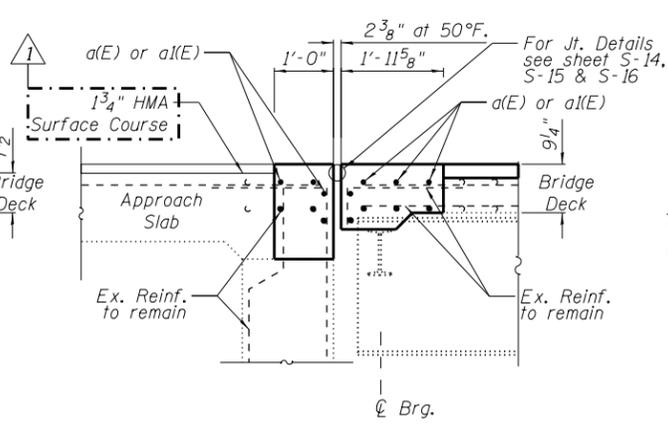
**CONCRETE REPLACEMENT PLAN**  
(North Abutment)

**BILL OF MATERIAL**

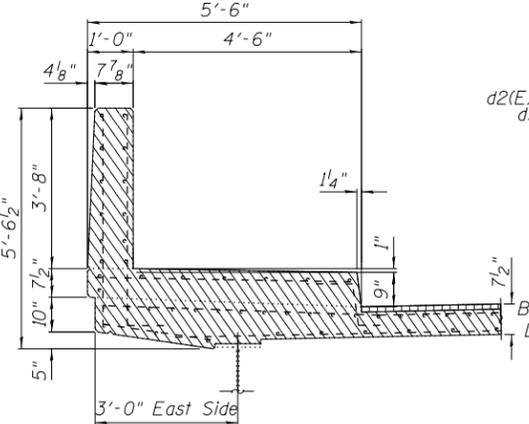
Bar	No.	Size	Length	Shape
a(E)	14	#5	32'-1"	—
a(E)	14	#5	31'-5"	—
c(E)	6	#5	2'-5"	—
c(E)	6	#5	6'-0"	—
d(E)	6	#6	5'-8"	L
d2(E)	3	#4	6'-11"	L
d3(E)	3	#4	7'-6"	L
Protective Coat			Sq. Yd.	3
Concrete Removal			Cu. Yd.	7.2
Protective Shield			Sq. Yd.	19
Concrete Superstructure			Cu. Yd.	7.2
Reinf. Bars, Epoxy Coated			Pound	1060
Bar Splicers			Each	14



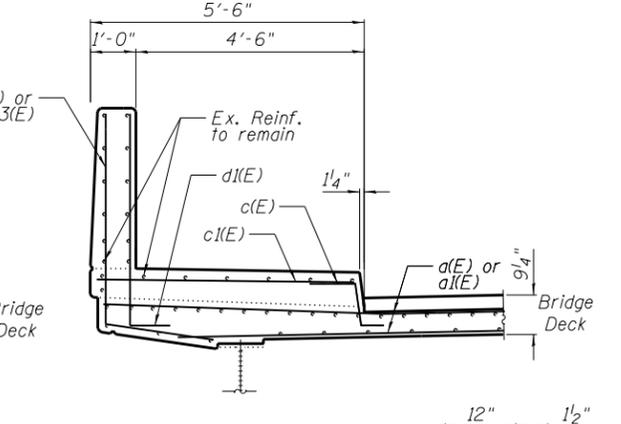
**SECTION A-A**  
Dimensions at Rt. L's



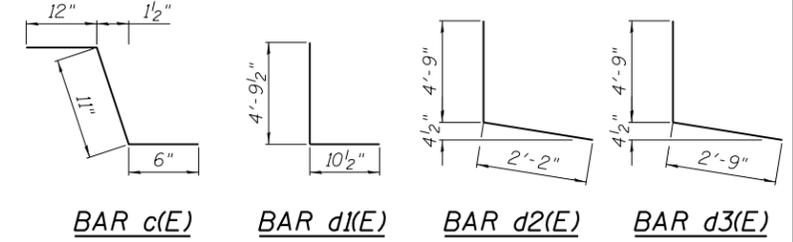
**SECTION B-B**  
Dimensions at Rt. L's



**SECTION C-C**  
Dimensions at Rt. L's



**SECTION D-D**  
Dimensions at Rt. L's



**AES** Services, Inc.  
111 S. Wacker Drive, Suite 3910  
Chicago, IL 60606  
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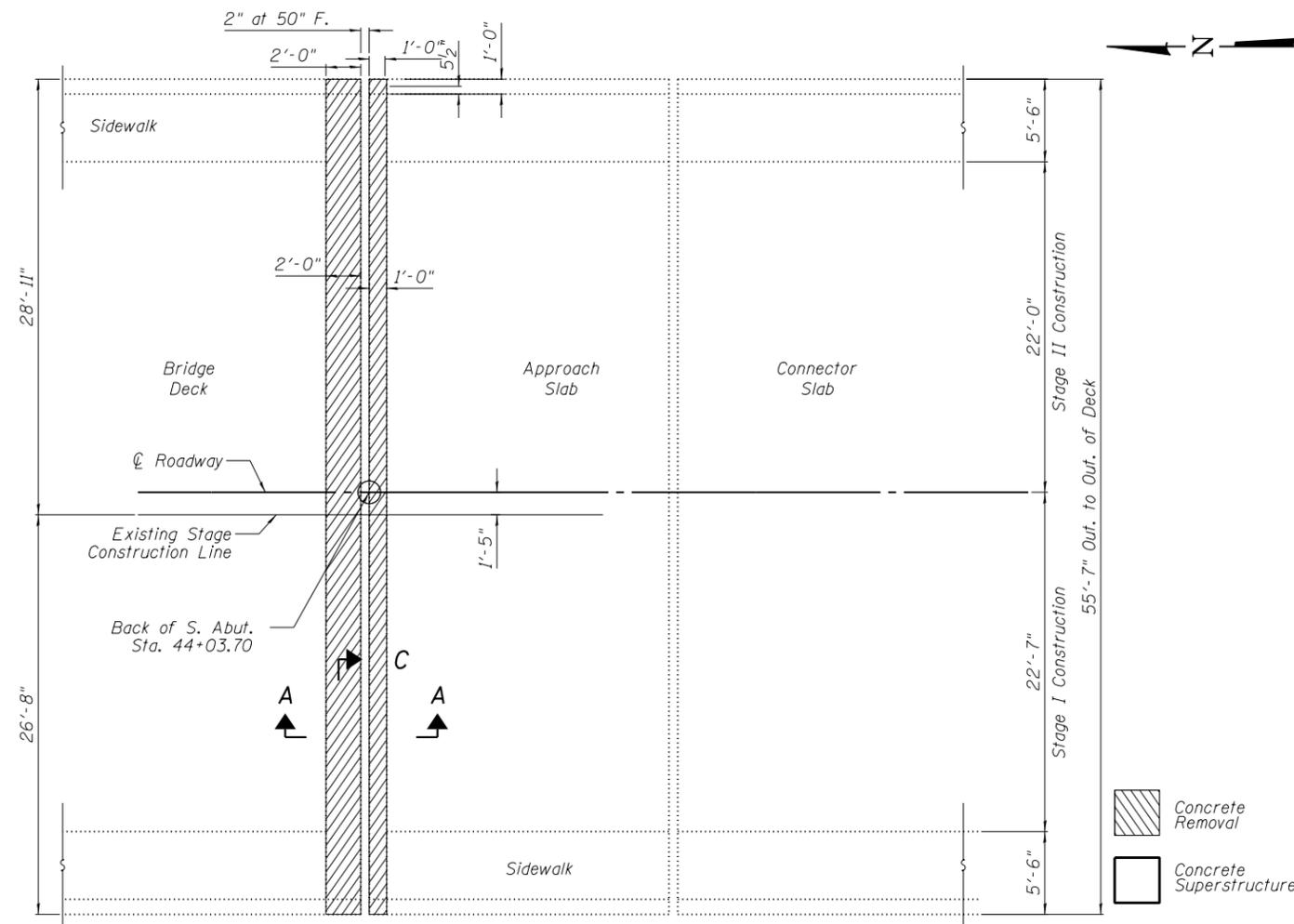
USER NAME =	DESIGNED - AWM	REVISED - Q2/21/2019 AWM
CHECKED - MS	REVISOR -	
PLOT SCALE =	DRAWN - JS, AWM	REVISOR -
PLOT DATE =	DATE - 12/07/2018	REVISOR -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

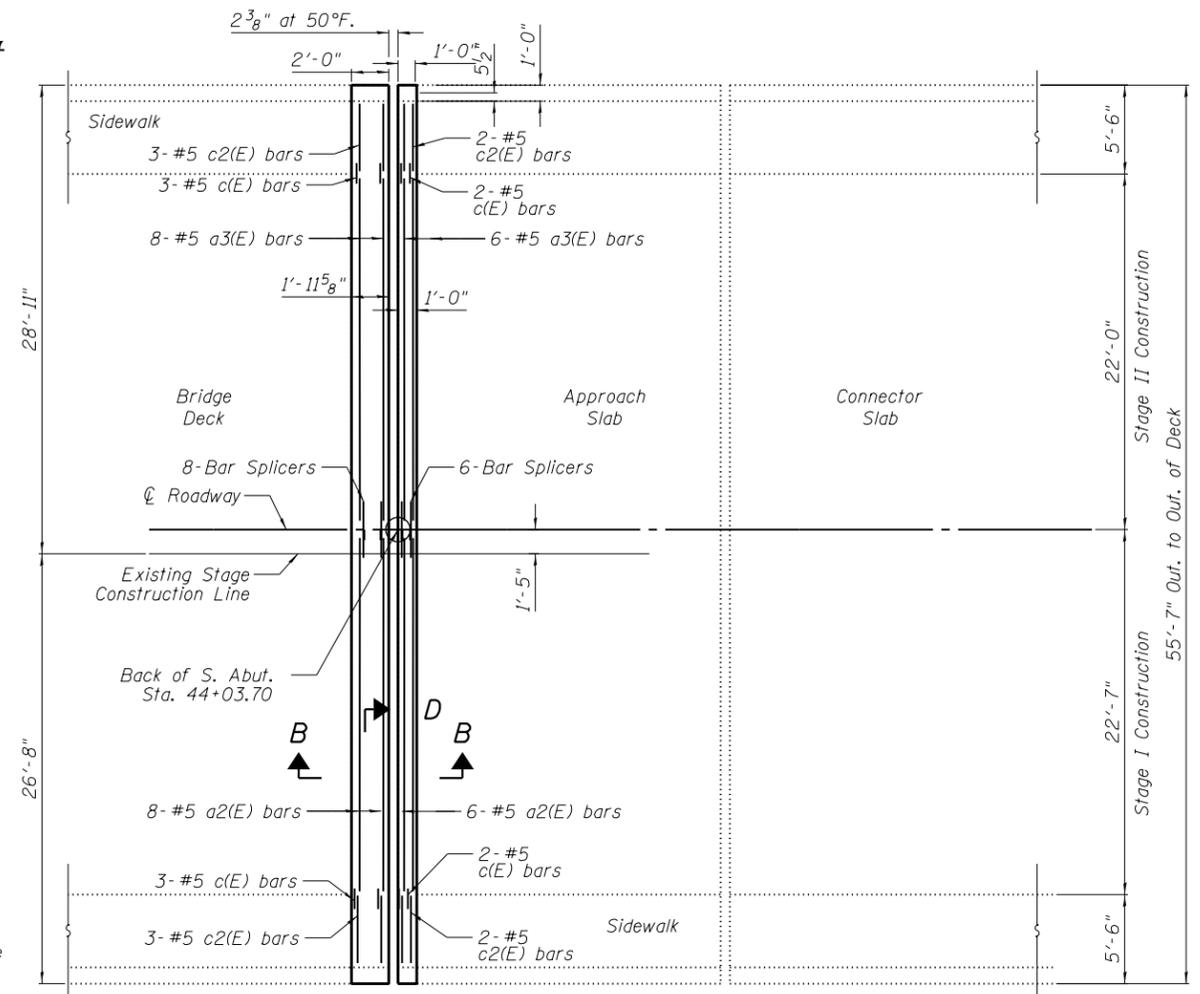
**APPROACH SLAB JOINT REPAIR (NORTH ABUTMENT)**  
**STRUCTURE NO.: 056-0007**

SHEET NO. 5-10 OF 5-27 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	29VB-R(83)	McHENRY	42	14
CONTRACT NO. 62F35			ILLINOIS FED. AID PROJECT	



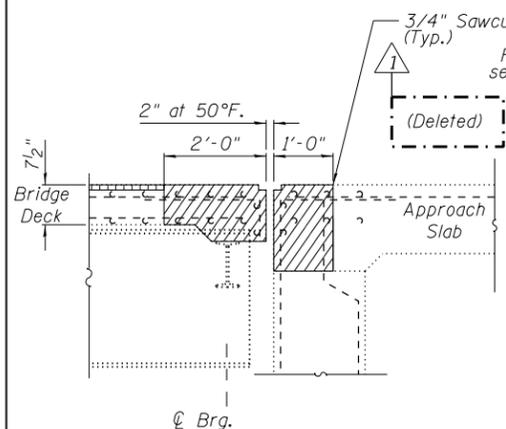
**CONCRETE REMOVAL PLAN**  
(South Abutment)



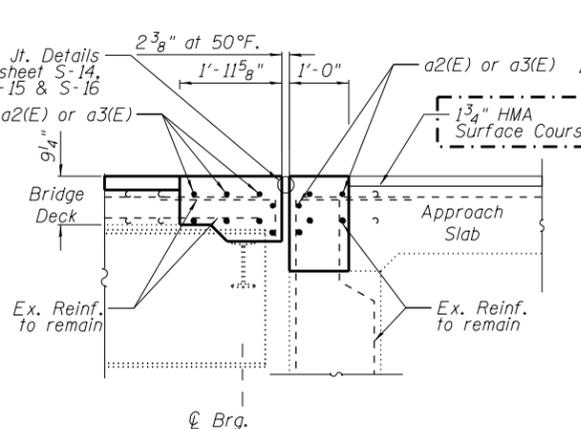
**CONCRETE REPLACEMENT PLAN**  
(South Abutment)

**BILL OF MATERIAL**

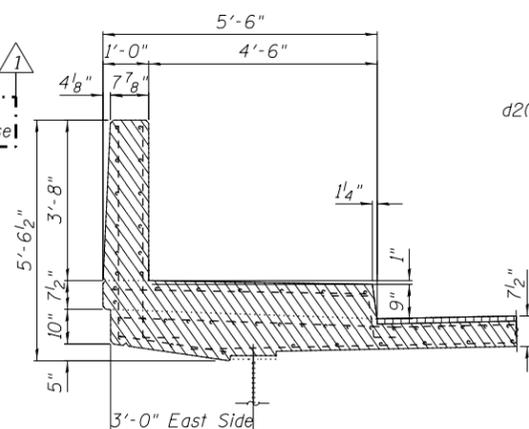
Bar	No.	Size	Length	Shape
a2(E)	14	#5	27'-9"	—
a3(E)	14	#5	27'-2"	—
c(E)	10	#5	2'-5"	—
c2(E)	10	#5	5'-2"	—
d1(E)	10	#6	5'-8"	L
d2(E)	5	#4	6'-11"	L
d3(E)	5	#4	7'-6"	L
Protective Coat			Sq. Yd.	3
Concrete Removal			Cu. Yd.	6.4
Protective Shield			Sq. Yd.	19
Concrete Superstructure			Cu. Yd.	6.4
Reinf. Bars, Epoxy Coated			Pound	1014
Bar Splicers			Each	14



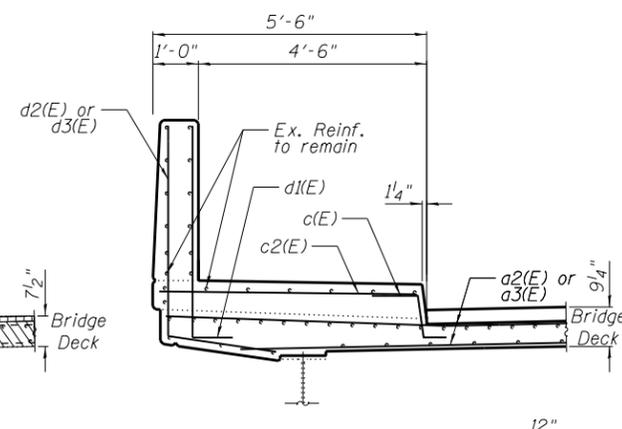
**SECTION A-A**  
Dimensions at Rt. L's



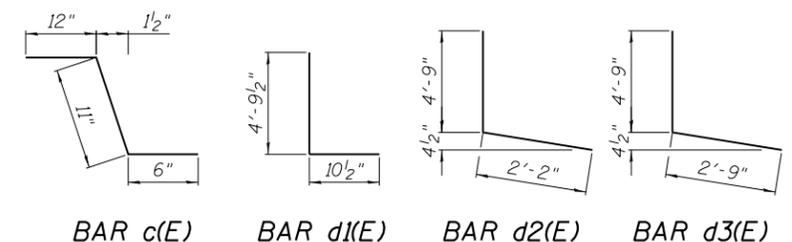
**SECTION B-B**  
Dimensions at Rt. L's



**SECTION C-C**  
Dimensions at Rt. L's



**SECTION D-D**  
Dimensions at Rt. L's



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PLOT SCALE =	DRAWN - JS, AWM	REVISOR -
PLOT DATE =	DATE - 12/07/2018	REVISOR -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB JOINT REPAIR (SOUTH ABUTMENT)**  
**STRUCTURE NO.: 056-0007**

SHEET NO. S-11 OF S-27 SHEETS

F.A.P. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	29VB-R(83)	McHENRY	42	15
CONTRACT NO. 62F35			ILLINOIS FED. AID PROJECT	