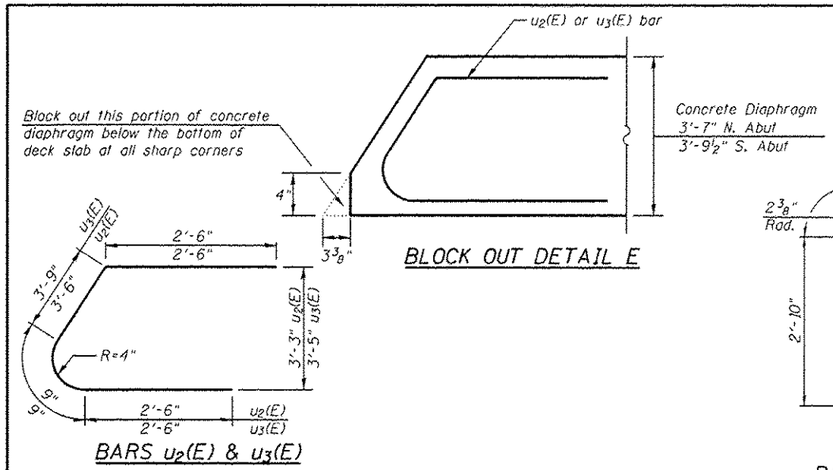
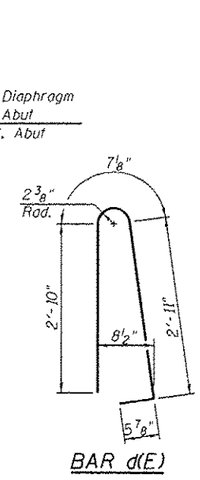




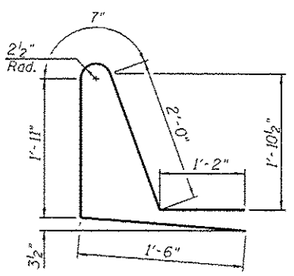


TABLE A

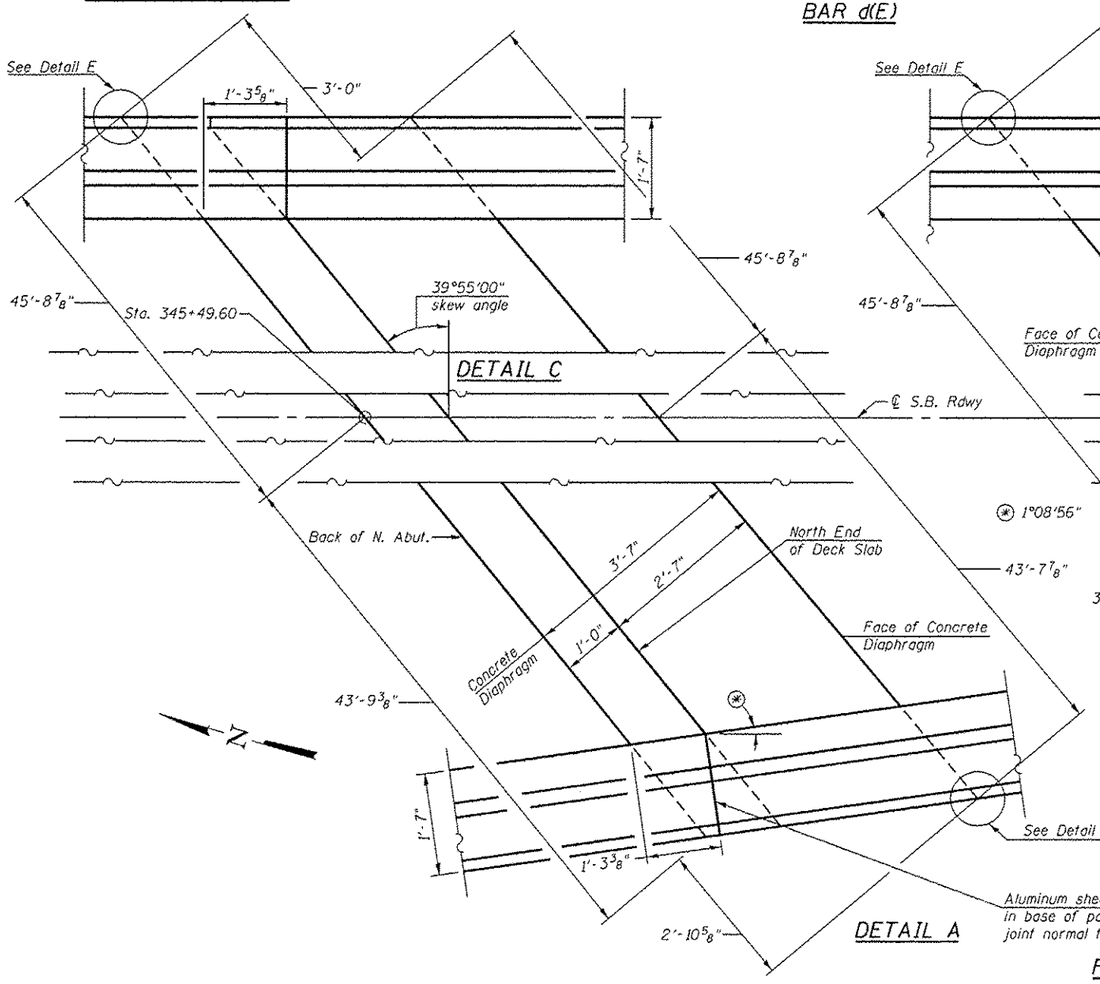
Location	Layer	No. of bars	Total length after Splicing
Line B_1	Top of Slab	10-b(E) bars plus 1-b_3(E) bar	283'-0"
	Bott. of Slab	11-b_2(E) bars	
Line B_2	Top of Slab	8-b(E) bars plus 1-b_3(E) bar	232'-0"
	Bott. of Slab	9-b_2(E) bars	
Line B_3	Top of Slab	6-b(E) bars plus 1-b_4(E) bar	181'-3"
	Bott. of Slab	7-b_2(E) bars	
Line B_4	Top of Slab	4-b(E) bars plus 1-b_4(E) bar	130'-6"
	Bott. of Slab	5-b_2(E) bars	
Line B_5	Top of Slab	3-b(E) bars	79'-8"
	Bott. of Slab	3-b_2(E) bars	
Line B_6	Top of Slab	1-b(E) bar cut to fit	28'-0"
	Bott. of Slab	1-b_2(E) bar	

Lines of B_1 to B_6 at the bottom of slab shall be placed in a flared fashion between Beams 10 to 12 to avoid interference with the shear connectors. Minimum spacing between longitudinal bars shall be 5½". Transverse bars a_{11}(E) and a_{12}(E) may also be flared.

SUPERSTRUCTURE BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
**	a(E)	662	#5	29'-0"	
**	a_1(E)	431	#5	28'-6"	
**	a_2(E)	662	#5	24'-3"	
**	a_3(E)	431	#5	27'-0"	
**	a_4(E)	275	#5	16'-7"	
**	a_5(E)	396	#5	13'-9"	
**	a_6(E)	1324	#6	6'-6"	
**	a_7(E)	4	#5	38'-0"	
**	a_8(E)	4	#5	26'-0"	
**	a_9(E)	4	#5	21'-0"	
**	a_{10}(E)	48	#5	1'-6"	
**	a_{11}(E)	176	#5	13'-10"	
**	a_{12}(E)	258	#5	11'-0"	
**	b(E)	877	#5	30'-0"	
**	b_1(E)	777	#6	17'-11"	
**	b_2(E)	890	#5	28'-0"	
**	b_3(E)	2	#5	12'-6"	
**	b_4(E)	2	#5	20'-8"	
	d(E)	777	#5	6'-10"	
	d_1(E)	777	#5	7'-2"	
**	e(E)	32	#4	9'-5"	
**	e_1(E)	32	#4	9'-9"	
**	e_2(E)	32	#4	8'-9"	
**	e_3(E)	32	#4	9'-0"	
**	e_4(E)	42	#4	17'-7"	
**	e_5(E)	105	#4	19'-0"	
**	e_6(E)	21	#4	18'-10"	
**	e_7(E)	42	#4	17'-5"	
**	e_8(E)	8	#4	27'-11"	
**	e_9(E)	24	#4	16'-0"	
**	e_{10}(E)	8	#8	29'-5"	
**	e_{11}(E)	24	#8	18'-4"	
**	e_{12}(E)	4	#8	9'-5"	
**	e_{13}(E)	4	#8	9'-9"	
**	e_{14}(E)	4	#8	8'-9"	
**	e_{15}(E)	4	#8	9'-0"	
**	m(E)	16	#7	38'-6"	
**	m_1(E)	16	#7	27'-9"	
**	m_2(E)	16	#7	23'-2"	
**	m_3(E)	24	#5	7'-3"	
**	m_4(E)	40	#5	7'-6"	
**	m_5(E)	8	#5	7'-0"	
**	m_6(E)	8	#5	6'-3"	
**	m_7(E)	4	#5	3'-9"	
**	m_8(E)	69	#5	4'-0"	
	s(E)	59	#5	9'-11"	U
	s_1(E)	59	#5	10'-3"	U
	s_4(E)	13	#5	9'-9"	U
	s_5(E)	6	#5	10'-1"	U
	u(E)	171	#5	3'-8"	U
	u_1(E)	150	#5	6'-5"	⊐
	u_2(E)	6	#6	9'-3"	C
	u_3(E)	6	#6	9'-6"	C
	Reinforcement Bars, Epoxy Coated		Pound	189,980	
	Concrete Superstructure		Cu. Yds.	1,003	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



1 ** Textured Epoxy Coated Reinforcement Bars, See Special Provision.

FILE NAME = S:\Projects\2013 JOBS\13-143 IDOT D6 PTB 137 Item 28 WO7 SB I-55 Bridge\CADD\CADD Sheets\084D821-72F49-817-Superstructure Details 82.dgn
MODEL = $MODEL$
PLOT DRIVER = $PLOTDRIVER$

QUIGG ENGINEERING INC	USER NAME = tfrey	DESIGNED - KRG	REVISED 1/9/2015 D.R.B.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - MJK	REVISED	
	PLOT SCALE =	DRAWN - TF	REVISED	
	PLOT DATE = 1/9/2015	CHECKED - SCD	REVISED	

SUPERSTRUCTURE BILL OF MATERIAL
STRUCTURE NO. 084-0021
SHEET NO. 17 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2) BR-3, RS-4	SANGAMON	86	58
		CONTRACT NO. 72F49		
	ILLINOIS FED. AID PROJECT			