



TWO SUPERSTRUCTURES
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	644	#5	19'-0"	—
a ₁ (E)	394	#5	18'-6"	—
a ₂ (E)	1288	#6	6'-6"	—
a ₃ (E)	644	#5	23'-0"	—
a ₄ (E)	394	#5	22'-6"	—
a ₅ (E)	1776	#4	3'-4"	—
b(E)	552	#5	26'-8"	—
b ₁ (E)	172	#6	27'-8"	—
b ₂ (E)	574	#5	23'-3"	—
b ₃ (E)	144	#4	26'-2"	—
d(E)	648	#5	6'-10"	—
d ₁ (E)	648	#5	8'-6"	—
e(E)	252	#4	13'-0"	—
e ₁ (E)	128	#4	6'-5"	—
e ₂ (E)	24	#4	21'-0"	—
e ₃ (E)	24	#8	22'-7"	—
e ₄ (E)	16	#8	6'-5"	—
m(E)	32	#6	19'-0"	—
m ₁ (E)	24	#6	8'-7"	—
m ₂ (E)	40	#6	6'-10"	—
m ₃ (E)	16	#6	3'-0"	—
m ₄ (E)	32	#6	23'-0"	—
m ₅ (E)	24	#6	9'-11"	—
s(E)	164	#5	6'-10"	—
s ₁ (E)	184	#5	9'-2"	—
u(E)	176	#5	3'-3"	—
v(E)	176	#5	3'-9"	—
Reinforcement Bars, Epoxy Coated		Pound	123,070	
Concrete Superstructure		Cu. Yds.	493.5	
Bar Splicers		Each	1086	

SI-D2-0

8-31-12

CEC Civil and Structural Engineering	Cummins Engineering Corporation	JOB = 2276.3	DESIGNED - AAN	REVISED -
		FILE = 0540057_0058-SuperDet.dgn	CHECKED - MDC	REVISED -
		DATE = 2/11/2013	DRAWN - SJS	REVISED -
			CHECKED - MDC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 054-0057 (NB) & 054-0058 (SB)
 SHEET NO. 14 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 LOGAN CO BR 2011-1	LOGAN	429	213
				CONTRACT NO. 72E11
ILLINOIS FED. AID PROJECT				