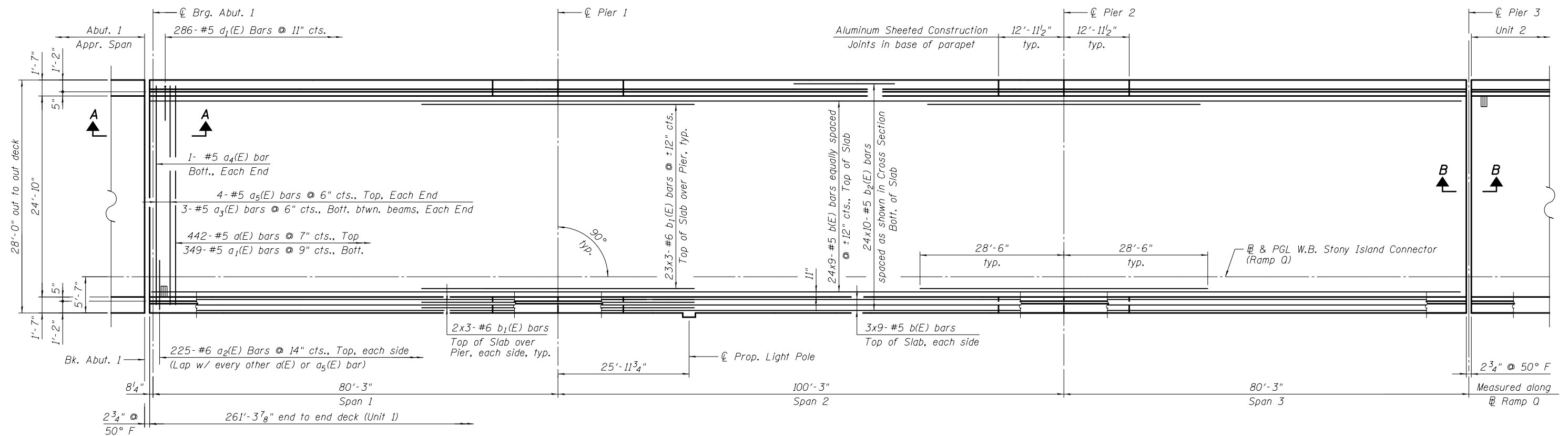


2/26/08 PM

12/7/2012

S:\1072_05_CADD\Structure\1\SN 0162437\CADD Sheets\0162437-60J12-017-SP01.dgn



MIN. BAR LAP

#5 = 3'-3"
#6 = 3'-10"

**UNIT 1
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	442	#5	27'-4"	—
a ₁ (E)	349	#5	27'-0"	—
a ₂ (E)	450	#6	6'-6"	—
a ₃ (E)	18	#5	8'-3"	—
a ₄ (E)	2	#5	21'-6"	—
a ₅ (E)	8	#5	27'-4"	—
a ₆ (E)	8	#5	1'-6"	—
a ₇ (E)	508	#4	3'-8"	—
b(E)	270	#5	32'-0"	—
b ₁ (E)	162	#6	21'-7"	—
b ₂ (E)	240	#5	29'-1"	—
b ₁₃ (E)	30	#4	25'-8"	—
b ₁₄ (E)	12	#4	28'-2"	—
d(E)	572	#5	6'-10"	—
d ₁ (E)	572	#5	7'-6"	—
d ₂ (E)	3	#6	5'-1"	—
d ₃ (E)	6	#6	8'-11"	—
e(E)	56	#4	16'-8"	—
e ₁ (E)	64	#4	12'-7"	—
e ₂ (E)	56	#4	18'-2"	—
e ₃ (E)	56	#4	16'-5"	—
e ₁₂ (E)	6	#4	24'-0"	—
e ₁₃ (E)	6	#4	26'-0"	—
e ₁₄ (E)	6	#4	23'-8"	—
e ₂₁ (E)	6	#8	26'-1"	—
e ₂₂ (E)	8	#8	12'-7"	—
e ₂₃ (E)	6	#8	28'-2"	—
e ₂₄ (E)	6	#8	25'-9"	—
x(E)	42	#5	6'-4"	—
Reinforcement Bars, Epoxy Coated		Pound	64,230	
Concrete Superstructure		Cu. Yd.	296.0	
Bridge Deck Grooving		Sq. Yd.	663	
Protective Coat		Sq. Yd.	983	

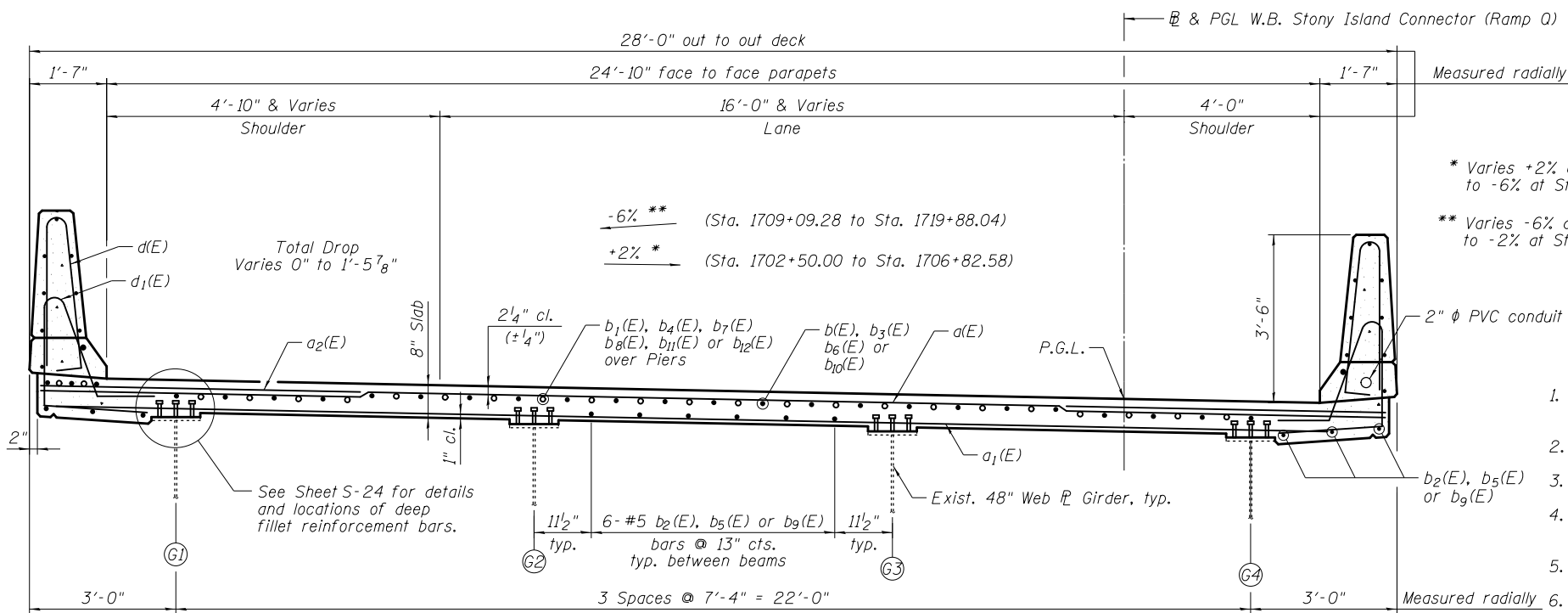
*** Deep fillet reinforcement bars. See Sheet S-24

* Varies +2% at Sta. 1706+82.58 to -6% at Sta. 1709+09.28

** Varies -6% at Sta. 1719+88.04 to -2% at Sta. 1721+01.37

Notes:

1. Bars indicated thus 24x9-#5 etc. indicates 24 lines of bars with 9 lengths per line.
2. All edges shall have standard 3/4" chamfer except as noted.
3. See Sheet S-21 for Sections A-A & B-B and Superstructure Details.
4. See Sheet S-22 & S-23 for Parapet reinforcement and Sheet S-24 for Light Pole Details.
5. See Sheets S-33 & S-34 for Scupper Details.
6. Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Sheet S-31



BOWMAN, BARRETT & ASSOCIATES INC.
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USER NAME =
DESIGNED - IYL
CHECKED - BAK
PLOT SCALE =
DRAWN - MTR
PLOT DATE = 11/08/2012
CHECKED - IYL

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE PLAN AND CROSS SECTION I
STRUCTURE NO. 016-2437

SHEET NO. S-17 OF S-83 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-060-BR	COOK	285	180
CONTRACT NO. 60V61				
ILLINOIS FED. AID PROJECT				