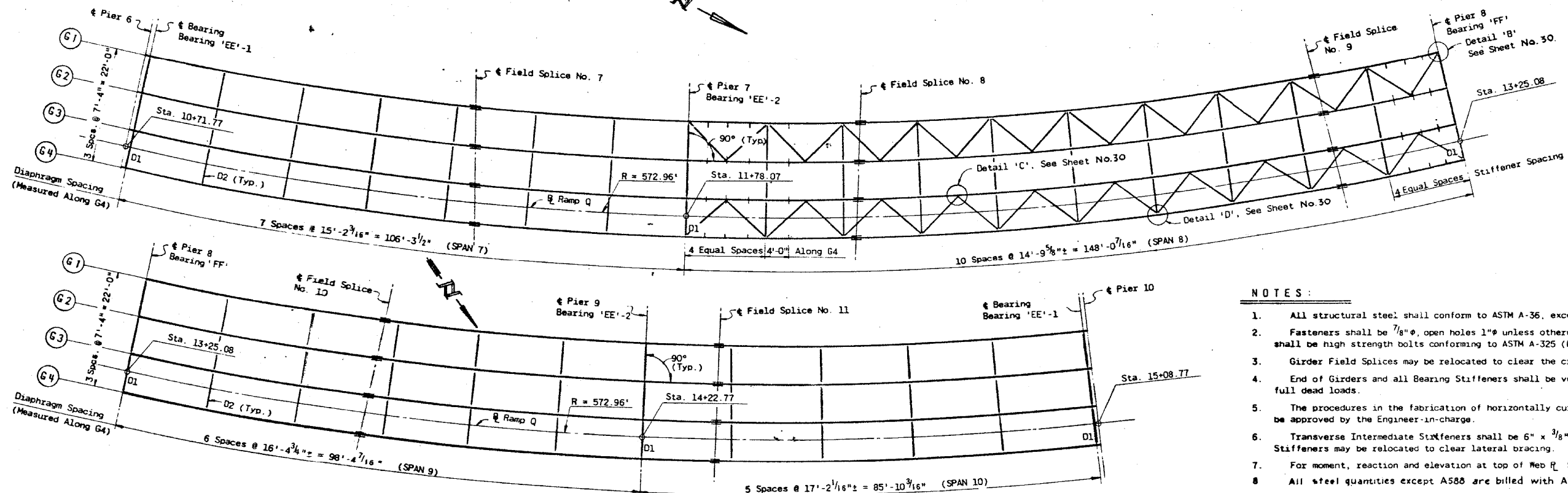


2/26/14 PM

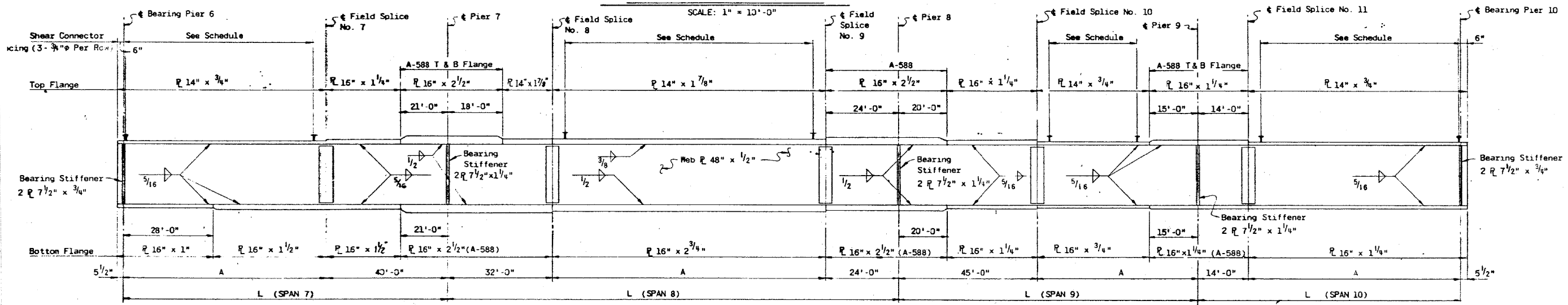
12/7/2012

SA:1072.05.CADD.Structural\SN 0162437\CADD Sheets\062437-60J12-968-FY05.dgn



NOTES:

- All structural steel shall conform to ASTM A-36, except as noted.
- Fasteners shall be 7/8" φ, open holes 1" φ unless otherwise noted. These shall be high strength bolts conforming to ASTM A-325 (Friction Type).
- Girder Field Splices may be relocated to clear the cross-frames.
- End of Girders and all Bearing Stiffeners shall be vertical under full dead loads.
- The procedures in the fabrication of horizontally curved girders shall be approved by the Engineer-in-charge.
- Transverse Intermediate Stiffeners shall be 6" x 3/8". Intermediate Stiffeners may be relocated to clear lateral bracing.
- For moment, reaction and elevation at top of Web R. See Sheet
- All steel quantities except A588 are billed with A36 steel.



GIRDER NO	SPAN 7		SPAN 8		SPAN 9		SPAN 10		RADIUS	SHEAR STUD SPACING			
	L	A	L	A	L	A	L	A		SPAN 7	SPAN 8	SPAN 9	SPAN 10
1	102'-2 1/2"	62'-2 1/2"	142'-4 1/16"	86'-4 1/16"	94'-7 7/16"	49'-7 7/16"	82'-6 9/16"	68'-6 9/16"	554.96'	81 Spcs. @ 9"	111 Spcs. @ 9"	44 Spcs. @ 9"	88 Spcs. @ 9"
2	103'-6 7/8"	63'-6 7/8"	144'-3 7/16"	88'-3 7/16"	95'-10 7/16"	50'-10 7/16"	83'-7 13/16"	69'-7 13/16"	562.29'	82 Spcs. @ 9"	113 Spcs. @ 9"	46 Spcs. @ 9"	90 Spcs. @ 9"
3	104'-11 3/16"	64'-11 3/16"	146'-1 7/8"	90'-1 7/8"	37'-1 7/16"	52'-1 7/16"	84'-9"	70'-9"	569.63'	84 Spcs. @ 9"	116 Spcs. @ 9"	47 Spcs. @ 9"	92 Spcs. @ 9"
4	106'-3 1/2"	66'-3 1/2"	148'-0 7/16"	92'-0 7/16"	98'-4 7/16"	53'-4 7/16"	85'-10 3/16"	71'-10 3/16"	576.96'	86 Spcs. @ 9"	118 Spcs. @ 9"	49 Spcs. @ 9"	93 Spcs. @ 9"

NOTES:

- For Details of Diaphragms, Cross-Frames and Field Splice. See Sheet 30
- For Details of Bearing and Joint Types. See Sheet 31
- For Location and Spacings of Transverse Stiffeners. See Framing Plan. 30

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

GEORGE W. DOLANE
PRESIDENT BOARD OF COMMISSIONERS

STR. STEEL FRAMING PLAN & DETAILS
STONY ISLAND CONNECTOR TO FAI 94
RAMP Q STRUCTURE

PROJECT EBU 246177

SCALE: 1/4" = 1'-0"

APPROVED: [Signature]

FAI Route No. 122, COUNTY HWY 174A, Sheet No. 28, Total Sheets 109

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 11/08/2012	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NO. 016-2437

SHEET NO. S-68 OF S-83 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-060-BR	COOK	285	231
CONTRACT NO. 60V61				
ILLINOIS FED. AID PROJECT				