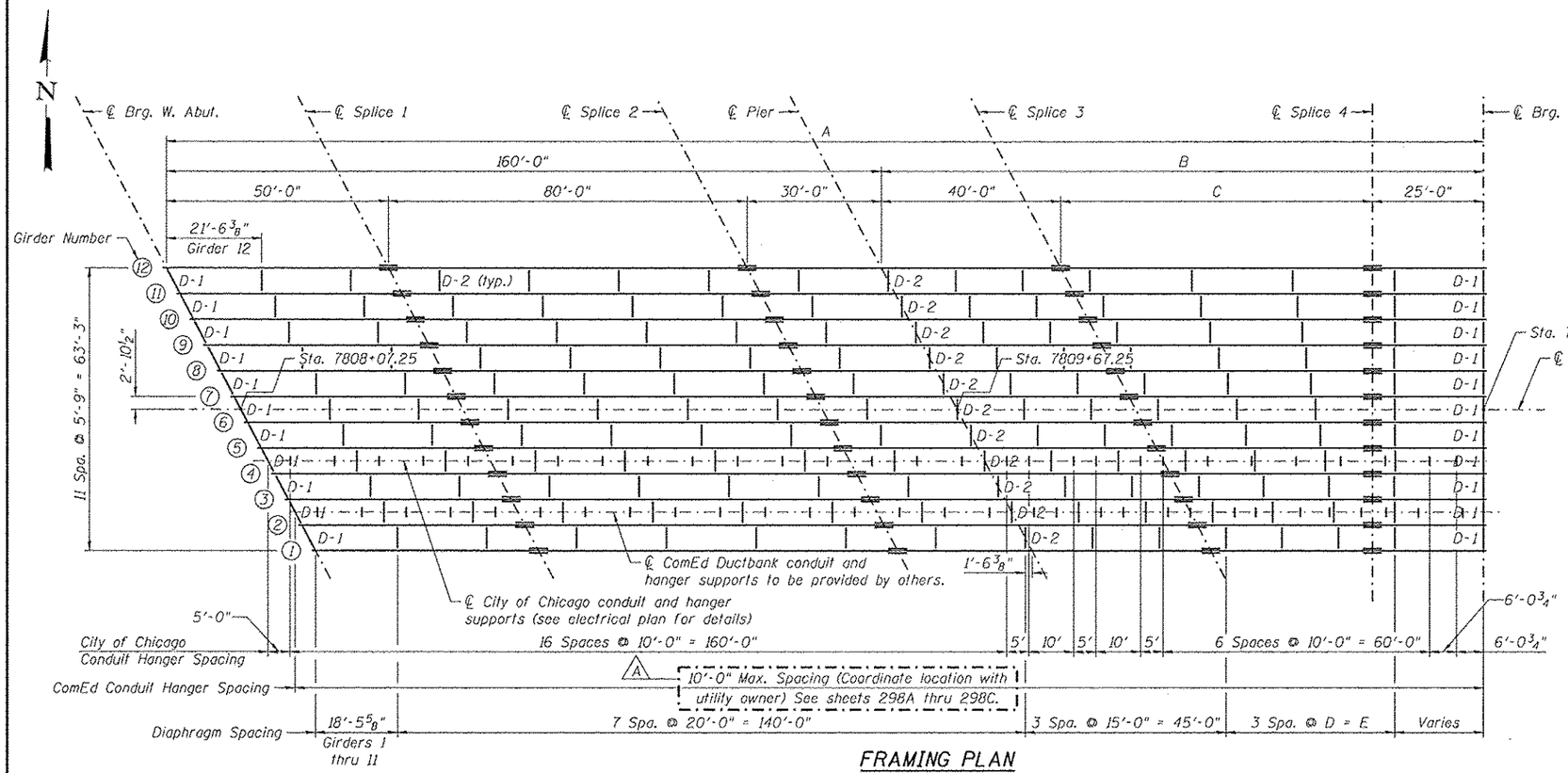
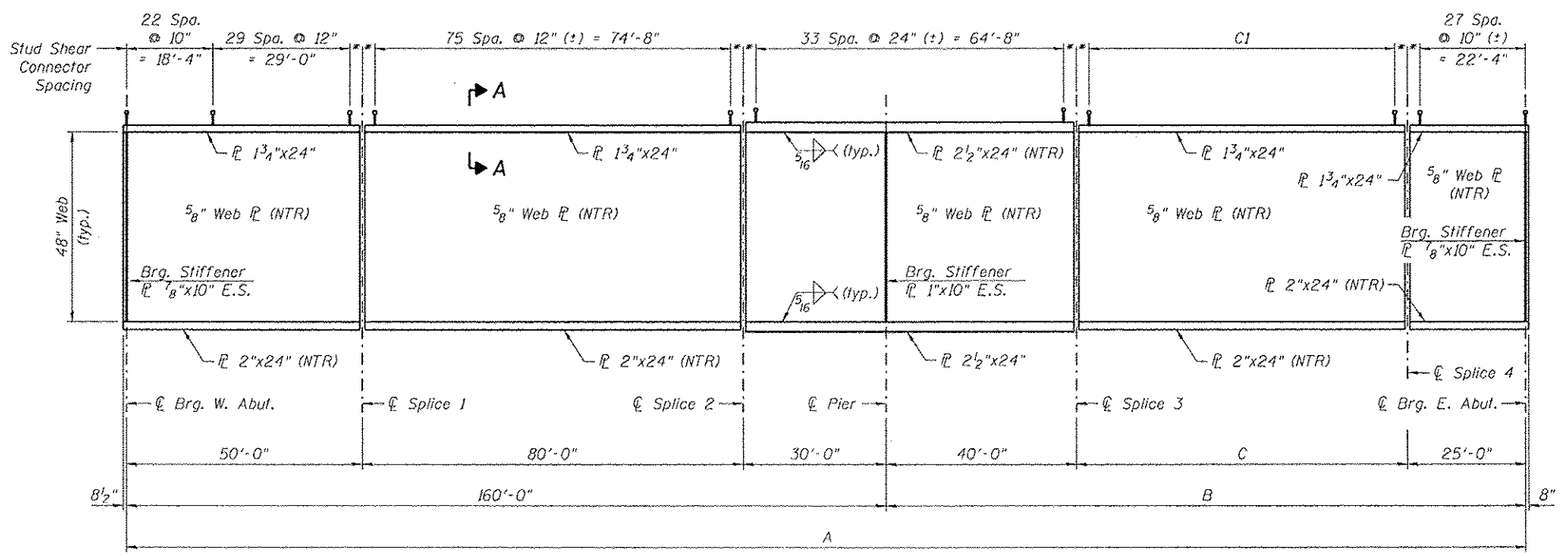
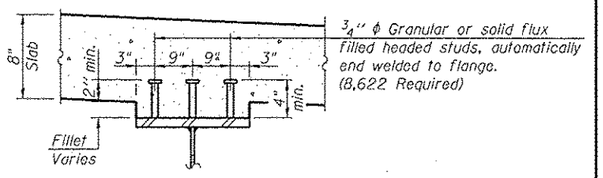


FRAMING PLAN



GIRDER ELEVATION



SECTION A-A

Do not place studs on splice plates.

GIRDER DIMENSIONS

Girder	A	B	C
12	295'-0 13/16"	135'-0 13/16"	70'-0 13/16"
11	292'-0 1/8"	132'-0 1/8"	67'-0 1/8"
10	288'-11 1/16"	128'-11 1/16"	63'-11 1/16"
9	285'-10 3/4"	125'-10 3/4"	60'-10 3/4"
8	282'-10 1/16"	122'-10 1/16"	57'-10 1/16"
7	279'-9 3/8"	119'-9 3/8"	54'-9 3/8"
6	276'-8 5/8"	116'-8 5/8"	51'-8 5/8"
5	273'-7 15/16"	113'-7 15/16"	48'-7 15/16"
4	270'-7 1/4"	110'-7 1/4"	45'-7 1/4"
3	267'-6 9/16"	107'-6 9/16"	42'-6 9/16"
2	264'-5 7/8"	104'-5 7/8"	39'-5 7/8"
1	261'-5 3/16"	101'-5 3/16"	36'-5 3/16"

DIAPHRAGM SPACING

Girder	D	E
11-12	22'-10"	68'-6"
10-11	21'-10"	65'-6"
9-10	20'-10"	62'-6"
8-9	19'-9"	59'-3"
7-8	18'-9"	56'-3"
6-7	17'-9"	53'-3"
5-6	16'-9"	50'-3"
4-5	15'-9"	47'-3"
3-4	14'-8"	44'-0"
2-3	13'-8"	41'-0"
1-2	12'-8"	38'-0"

SHEAR CONNECTOR SCHEDULE

Girder	C1
12	65 Spa. @ 12" (±) = 64'-8 13/16"
11	62 Spa. @ 12" (±) = 61'-8 1/8"
10	59 Spa. @ 12" (±) = 58'-7 1/16"
9	56 Spa. @ 12" (±) = 55'-6 3/4"
8	53 Spa. @ 12" (±) = 52'-6 1/16"
7	50 Spa. @ 12" (±) = 49'-5 3/8"
6	47 Spa. @ 12" (±) = 46'-4 5/8"
5	44 Spa. @ 12" (±) = 43'-3 15/16"
4	41 Spa. @ 12" (±) = 40'-3 1/4"
3	38 Spa. @ 12" (±) = 37'-2 9/16"
2	35 Spa. @ 12" (±) = 34'-1 7/8"
1	32 Spa. @ 12" (±) = 31'-1 3/16"

* = 2'-8"

NOTES:

1. All structural steel shall be AASHTO M270 Grade 50 - galvanized.
2. Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.
3. Girders have bearing stiffeners and connection plates as required by design. Additional stiffeners may be added at the Contractor's expense as necessary to prevent distortion of the girders during galvanizing. The Contractor shall coordinate with the fabricator and the galvanizer to determine if additional stiffeners are necessary, and where these should be placed. Any proposed changes shall be submitted to the Engineer for approval prior to making any changes.
4. Temporary stiffener angles shall be bolted to each side of the splice ends of each girder segment to prevent distortion during galvanizing. Temporary stiffener angles shall bolt or fit tight against top & bottom flanges and include spacer tubes to minimize damage to galvanizing during removal. Cost included with Furnishing and Erecting Structural Steel.
5. E.S. = Each Side
6. Work this sheet with sheets S1-29 thru S1-31.

AECOM

USER NAME = kritzm	DESIGNED - EJO	REVISED A 10/15/2013 EJO, BRD	
	CHECKED - ATB	REVISED	
PLOT SCALE = N.T.S.	DRAWN - BRD	REVISED	
PLOT DATE = 9/15/2013	CHECKED - EJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER FRAMING PLAN
STRUCTURE NO. 016-1713
SHEET NO. S1-28 OF S1-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-008R	COOK	559	278
		CONTRACT NO. 60W26		
		ILLINOIS FED. AID PROJECT		

0161713-60W26-S28-FramePlan