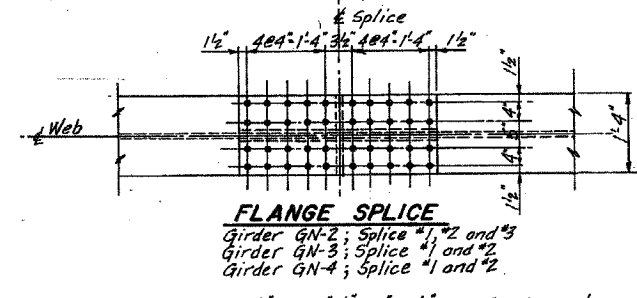


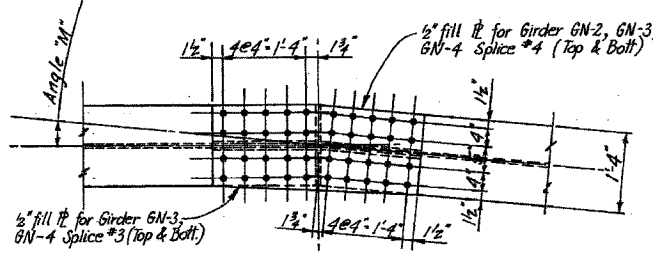
GIRDER ELEVATION - GN-1, GN-2, GN-3 & GN-4

GIRDER	A	B	C	D	E	F	G	H	I
GN-1	—	106'-0 1/8"	—	—	—	—	28'-0 1/8"	—	46'-0 1/8"
GN-2	109'-0"	107'-7 3/8"	57'-11 1/2"	51'-0 1/4"	13'-11 1/2"	19'-0 1/4"	29'-7 3/8"	49'-0"	47'-7 1/2"
GN-3	109'-10 1/4"	108'-3 3/8"	58'-4 1/4"	51'-5 3/4"	14'-4 1/4"	19'-5 3/4"	30'-3 3/8"	49'-10 1/4"	48'-3 3/8"
GN-4	110'-9 3/8"	108'-11 1/4"	58'-10 1/4"	51'-11 1/4"	14'-10 1/4"	19'-11 1/4"	30'-11 3/8"	50'-9 3/4"	48'-11 3/4"



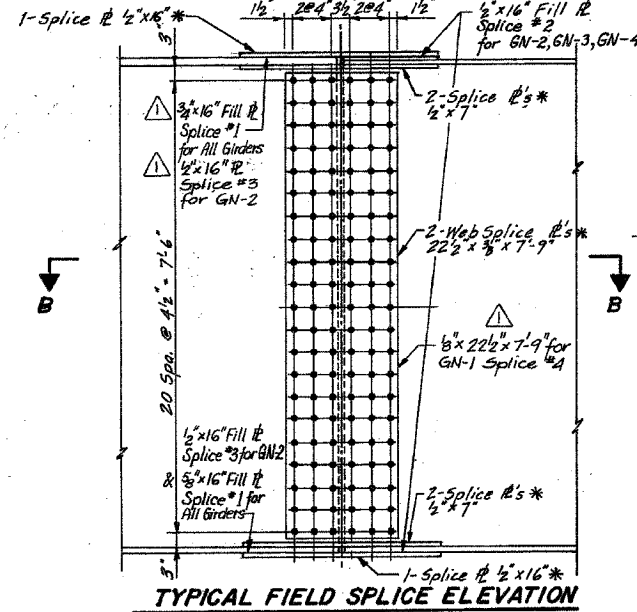
FLANGE SPLICE

Girder GN-2; Splice #1, #2 and #3
Girder GN-3; Splice #1 and #2
Girder GN-4; Splice #1 and #2

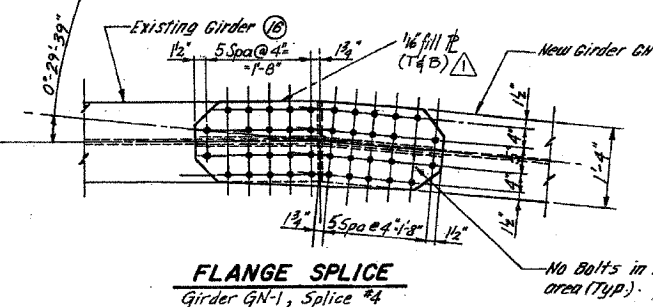


FLANGE SPLICE

Girder GN-2; Splice #4
Girder GN-3; Splice #3 and #4
Girder GN-4; Splice #3 and #4



TYPICAL FIELD SPLICE ELEVATION



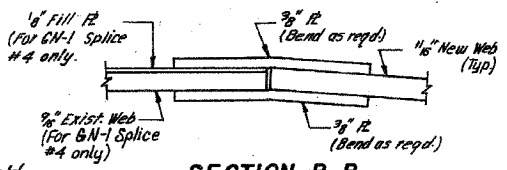
FLANGE SPLICE

Girder GN-1, Splice #4

GIRDER	SPLICE	ANGLE "M"
GN-2	#1	2'-43'-59"
GN-3	#3	1'-20'-15"
	#4	2'-20'-40"
GN-4	#3	2'-31'-38"
	#4	1'-56'-09"

FLANGER THICKNESS	WELD SIZE "F"
1/2" Thru 3/4"	1/4"
3/4" Thru 1 1/2"	3/8"
1 1/2" Thru 2 1/2"	5/8"
2 1/2" Thru 3"	1"

NOTE: Extend larger Fillet Weld 1'-0" Beyond Flange Splice.



SECTION B-B

Splice #3, GN-3, GN-4 only
Splice #4, All Girders

NOTES:

- * N.T.R
- N.T.R. denotes Notch Toughness Requirements.
- See Sheet I-11 for structural steel details.
- Holes in Web and Flange splice plates for Girders GN-1, Splice #4 to be shop drilled for connection to new material (Girder GN-1) and field drilled for connection to existing material (Girder GN-1).
- Shear connectors have to be furnished in this contract.

REVISIONS	
Name	Date

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
SECTION 1985-077 B-R COOK COUNTY
N.B. MAINLINE RECONSTRUCTION
STRUCTURE 016-1116
NEW GIRDERS GN-1, GN-2, GN-3 & GN-4
Scale: NONE
Date: AUG. 2005
Checked By: AW
ENVIRONMENTAL ENGINEERS INC.
Chicago, Illinois

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
FABRICATION CONTRACT
NB DAN RYAN ELEVATED BRIDGE
REPAIR FROM 15TH TO 28TH STREETS
EXISTING PLAN INFORMATION SN 016-1116
SCALE: NTS
DATE: 5/23/2005
DRAWN BY: BDC
CHECKED BY: BLU

FOR INFORMATION ONLY