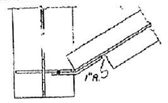
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	TAZEWELL	280	44A
STA.		TO STA.		
FHWA REG.		ILLINOIS		

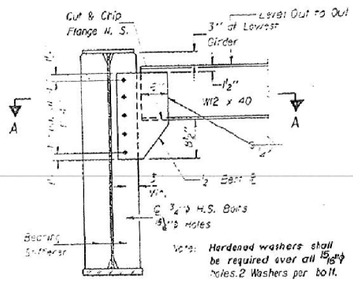
*(90-15-1, 15-1 HB, 15W)-1

SHEET 14 OF 22

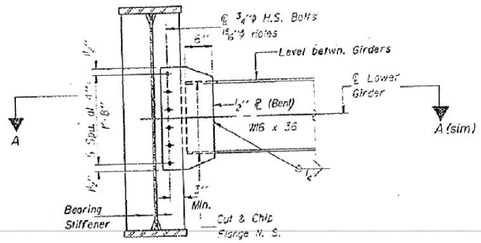
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



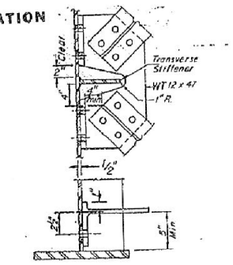
SECTION A-A



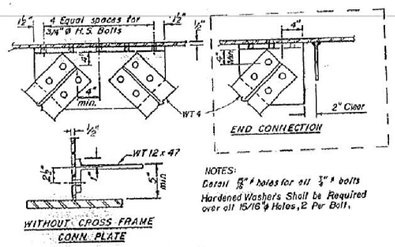
END DIAPHRAGM-D_2



INTERIOR DIAPHRAGM AT PIER-D_1



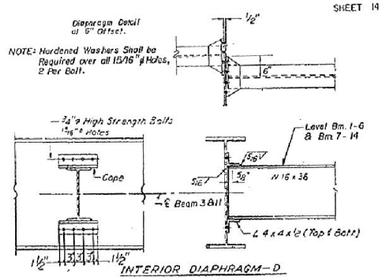
WITH TRANSVERSE STIFFENER and CROSS FRAME CONN. PLATE



END CONNECTION

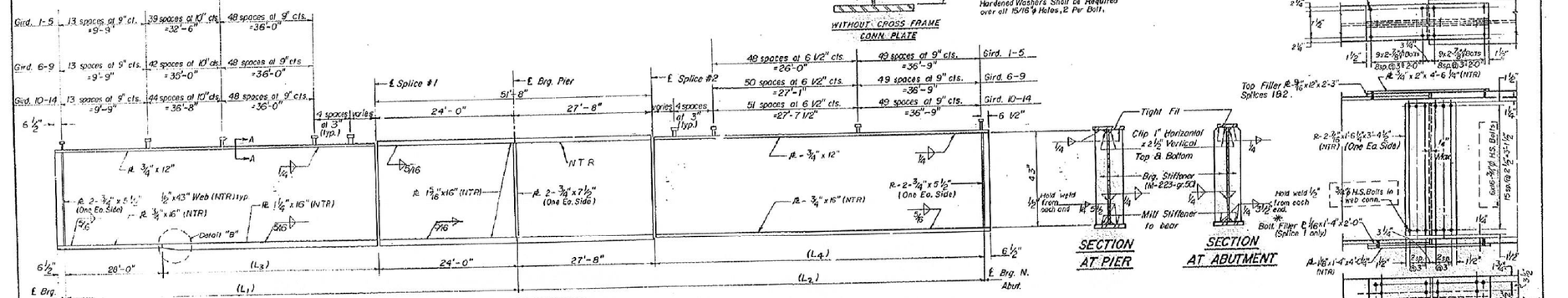
WITHOUT CROSS FRAME CONN. PLATE

NOTES:
Detail 15/16"ϕ holes for all 3/4"ϕ bolts
Hardened Washers Shall be Required over all 15/16"ϕ Holes, 2 Per Bolt.



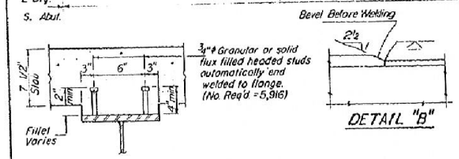
INTERIOR DIAPHRAGM-D

See "Notes to Fabricator", Sheet 13, for Diaphragm-Girder Orientation



GIRDER ELEVATION

"NTR" denotes plates to which notch toughness requirements are applicable.



SECTION A-A

DETAIL "B"

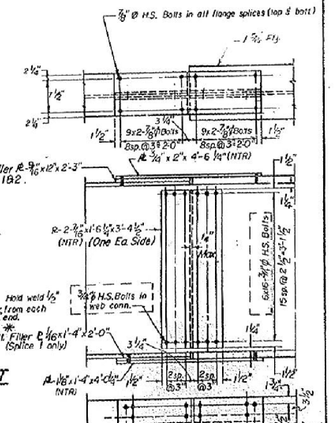
Girder No.	Span Length (L_1)	Span Length (L_2)	Length (L_3)	Length (L_4)
No. 1	106'-6 3/8"	94'-11 3/4"	54'-6 3/4"	67'-3 7/8"
No. 2	107'-0 1/16"	95'-1 3/8"	55'-0 1/16"	67'-5 3/4"
No. 3	107'-5 7/16"	95'-3 3/4"	55'-5 5/16"	67'-7 3/4"
No. 4	107'-10 9/16"	95'-5 1/16"	55'-10 9/16"	67'-9 11/16"
No. 5	108'-3 13/16"	95'-7 11/16"	56'-3 5/16"	67'-11 11/16"
No. 6	108'-9 1/16"	95'-9 11/16"	56'-9 1/16"	68'-1 11/16"
No. 7	109'-0 1/2"	95'-11"	57'-0 1/2"	68'-3"
No. 8	109'-5 7/8"	96'-0 5/16"	57'-5 7/8"	68'-4 15/16"
No. 9	109'-11 1/4"	96'-2 3/16"	57'-11 1/4"	68'-6 15/16"
No. 10	110'-4 1/2"	96'-5"	58'-4 1/2"	68'-9"
No. 11	110'-9 7/8"	96'-7"	58'-9 7/8"	68'-11"
No. 12	111'-3 1/4"	96'-9 1/16"	59'-3 1/4"	69'-1 1/16"
No. 13	111'-8 5/8"	96'-11 1/16"	59'-8 5/8"	69'-3 1/16"
No. 14	112'-2 1/16"	97'-1 1/8"	60'-2 1/16"	69'-5 1/8"

NOTE-
All flanges, webs, bearing stiffeners and splice plate materials shall be AASHTO M-223, grade 50 steel.

See sheet 13 for additional framing layout and dimensions.

SECTION AT PIER

SECTION AT ABUTMENT



FIELD SPLICE DETAIL
SPLICE NO.1 & NO.2 (AS NOTED)

* Provide bottom filler plate at Splice NO. 2 (typ.) as Detailed on Bottom Except Plate Thickness = 9/16"

DESIGNED	L.L. WELEY
CHECKED	
DRAWN	C.D. SNEDDEN
CHECKED	L.L.W.

G-1 4-1-79

R.A.N. CONSULTANTS INC.

AS REVISED

STRUCTURAL STEEL

F.A.I. 74 & F.A.U. 6729
SECTION (90-15-1, (5-INB, 15W)-1
TAZEWELL COUNTY
STATION 38+49.97

REVISED 1/27/95 A.S.

FAI 74 (I-74) / FAU 6729 (MORTON AVE.)

FOR INFORMATION ONLY

benesch
engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10056

FILE NAME =	USER NAME = mbecker	DESIGNED - JDC	REVISED -
		CHECKED - MRB	REVISED -
0900141_68620_26_exist12.dgn	PLOT SCALE =	DRAWN - PRT	REVISED -
	PLOT DATE = 7/16/2012	CHECKED - MRB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 090-0141
SHEET NO. SD26 OF SD29 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	2065
			CONTRACT NO. 68620	
		ILLINOIS	FED. AID PROJECT	

7/16/2012 7:38:32 AM X:\10000S\10056\Engineering_Documents_Phase_II\MortonOver174\Final\0900141_68620_26_exist12.dgn