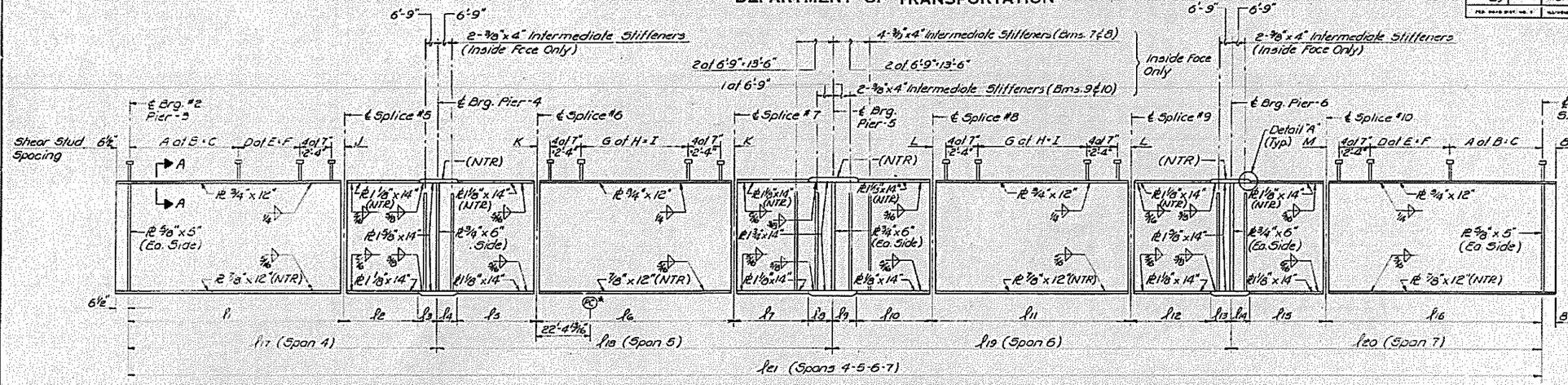
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

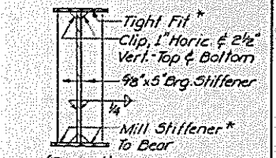
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 255	82-7HB	St. Clair	83	56

SHEET NO. 42
69 SHEETS



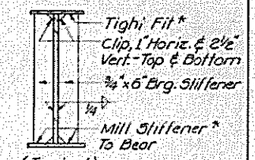
℄ GIRDER ELEVATION
UNIT #2-RAMP-F (SPANS 4-5-6-7)
(SHOWING BEAMS 7 THRU 10)
84"x½" Web (NTR)

Note:
NTR denotes steel that must conform to the Supplemental Requirements for Notch Toughness (Zone 2).
All ℄ girder components shall be AASHTO M-223 Grade 50



PIER-3 ℄ S. ABUT.

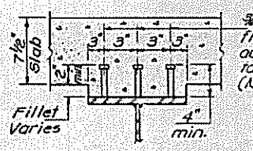
*Except as noted on Sht. #45



PIERS 4-5-6

Beam	l1	l2	l3	l4	l5	l6	l7	l8	l9	l10	l11	l12	l13	l14	l15	l16	l17	l18	l19	l20	l21	* Radius
7	80'-2"	25'-3¾"	8'-0¼"	7'-4½"	29'-4"	73'-8⅜"	26'-7⅞"	10'-4"	10'-4"	26'-7⅛"	73'-11⅝"	29'-7⅛"	7'-4¾"	8'-1⅛"	26'-7"	80'-10⅝"	114'-6"	147'-4⅝"	147'-11⅝"	115'-6⅝"	525'-4⅛"	1927.610'
8	80'-2"	25'-3⅜"	8'-0¼"	7'-4½"	29'-4½"	73'-6⅛"	25'-6⅜"	10'-3½"	10'-3½"	26'-5⅜"	73'-8½"	29'-5⅜"	7'-4½"	8'-0¾"	26'-5⅜"	80'-7⅛"	114'-6"	147'-0⅜"	147'-4⅜"	115'-1⅝"	524'-1⅛"	1920.443'
9	80'-2"	26'-3⅜"	8'-0¼"	7'-4"	29'-4½"	73'-3⅜"	25'-5⅛"	10'-3¼"	10'-3¼"	26'-5¼"	73'-5⅝"	29'-4⅜"	7'-4⅛"	8'-0⅜"	26'-4½"	80'-3⅜"	114'-6"	146'-9⅜"	146'-10⅛"	114'-8½"	522'-9½"	1913.277'
10	80'-2"	26'-3¾"	8'-0¼"	7'-3¾"	29'-4¾"	73'-1½"	25'-3⅜"	10'-3"	10'-3"	26'-3⅜"	73'-1¾"	29'-3⅛"	7'-3¾"	8'-0"	26'-3⅜"	79'-11⅜"	114'-6"	146'-4⅛"	146'-9½"	114'-3¼"	521'-5⅜"	1906.110'

LENGTHS ALONG ℄ OF ℄ GIRDER
UNIT #2 RAMP-F

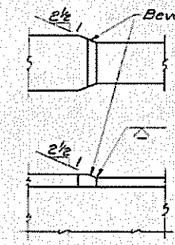


¾"ø Granular or solid flux filled headed studs automatically end welded to flange. (Nb. Req'd. = 13,254)

SECTION A-A

Beam	A	B	C	D	E	F	G	H	I	J	K	L	M
7	31	17"	43'-11"	27	14"	31'-6"	52	15"	65'-0"	2'-5"	2'-0⅜"	2'-1⅜"	3'-1⅜"
8	31	17"	43'-11"	27	14"	31'-6"	52	15"	65'-0"	2'-5"	1'-11⅛"	2'-0⅛"	2'-10⅛"
9	31	17"	43'-11"	27	14"	31'-6"	52	15"	65'-0"	2'-5"	1'-9⅞"	1'-10⅜"	2'-6⅜"
10	31	17"	43'-11"	27	14"	31'-6"	52	15"	65'-0"	2'-5"	1'-8¾"	1'-8⅞"	2'-2⅞"

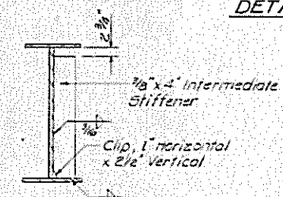
SHEAR STUD SPACING



DETAIL "A"

TABLE OF "W" DIMENSIONS

Flange Thickness	"W"
to 1½"	5/16"
to 2¼"	3/8"



INTERMEDIATE STIFFENER DETAIL

DESIGNED	Rick Brunette
CHECKED	Dan Krull
DRAWN	S.G. Ferchow
CHECKED	D K

EXAMINED May 7, 1981
PASSED
APPROVED

UNIT #2 RAMP-F
STRUCTURAL STEEL
SPANS 4 THRU 7
F.A.I. RT. 270 SEC. 82-7HB
ST. CLAIR COUNTY
STATION 343+61.11

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - ___	REVISED - ___
		DRAWN - ___	REVISED - ___
	PLOT SCALE = $SCALE$	CHECKED - ___	REVISED - ___
	PLOT DATE = $DATE$	DATE - ___	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STEEL DETAILS
(SN 082-0218)

SCALE: N/A | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-7HB-P	ST. CLAIR	25	20
		CONTRACT NO. 76064		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		