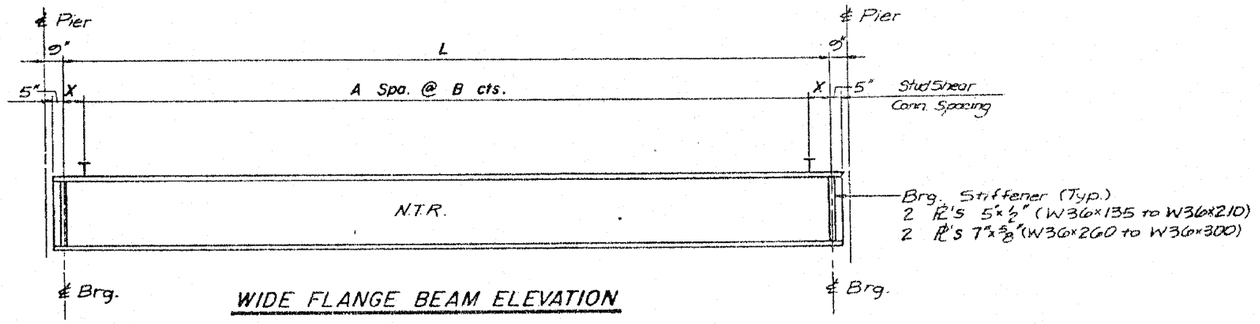
WIDE FLANGE BEAMS GN-1 TO GN-19

SPAN	BEAM	BEAM SIZE	L (℄ BRG. TO ℄ BRG)	TOP OF BEAM ELEV. AT ℄ BEARINGS				STUDS PER ROW	STUD SHEAR CONNECTORS SPACING				
				PIER NO.	ELEV.	PIER NO.	ELEV.		A	B	C	D	X
1	GN-1	W36x135	36'-5 1/4"	3*	59.196	1	58.765	4	36	12"			6"
1	GN-2	W36x135	35'-0 3/8"	3*	59.117	1	58.643	4	34	12"			6"
1	GN-3	W36x135	33'-9"	3*	58.965	1	58.517	4	33	12"			6"
1	GN-4	W36x135	31'-4 1/4"	3*	58.809	1	58.392	4	31	12"			6"
2	GN-5	W36x260	73'-9 1/2"	1	58.766	2	57.814	4	73	12"			6"
2	GN-6	W36x260	73'-11 3/4"	1	58.664	2	57.659	4	73	12"			6"
2	GN-7	W36x260	73'-11 3/4"	1	58.518	2	57.512	4	73	12"			6"
2	GN-8	W36x260	73'-11 3/4"	1	58.371	2	57.366	4	73	12"			6"
3	GN-9	W36x300	86'-3 3/8"	2	57.791	3	56.532	4	86	12"			6"
3	GN-10	W36x300	85'-8 13/16"	2	57.637	3	56.483	4	85	12"			6"
3	GN-11	W36x300	85'-8 13/16"	2	57.491	3	56.337	4	85	12"			6"
3	GN-12	W36x300	85'-8 13/16"	2	57.345	3	56.190	4	85	12"			6"
4	GN-13	W36x280	86'-7"	3	56.479	4	55.174	4	74	14"			6"
4	GN-14	W36x280	86'-0 15/16"	3	56.324	4	55.097	4	73	14"			6"
4	GN-15	W36x280	85'-8 13/16"	3	56.170	4	55.019	4	73	14"			6"
5	GN-16	W36x210	74'-1 15/16"	4	55.504	5	54.465	4	63	14"			6"
5	GN-17	W36x210	74'-2 5/16"	4	55.412	5	54.345	4	63	14"			6"
5	GN-18	W36x210	74'-9 15/16"	4	55.105	5	53.969	4	64	14"			6"
5	GN-19	W36x210	74'-2 7/8"	4	54.985	5	53.922	4	63	14"			6"

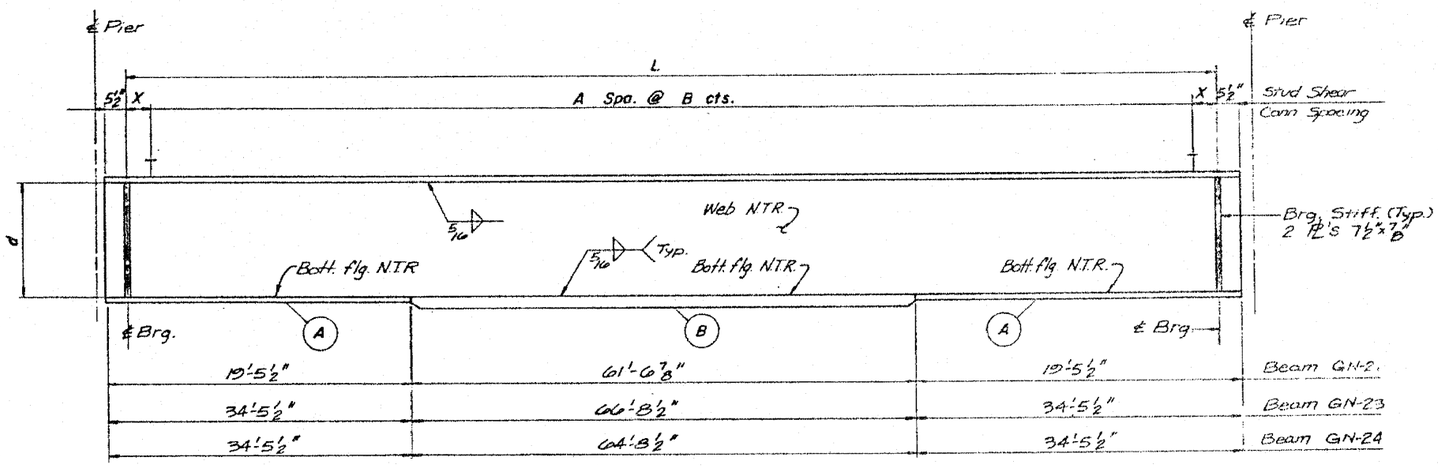
* Structure No. 016-1116



WIDE FLANGE BEAM ELEVATION

WELDED PLATE BEAMS, GN-21,22,23,24&25

SPAN	BEAM	L (℄ BRG. TO ℄ BRG)	d	t	TOP FLG.	BOTTOM FLANGE		TOP OF WEB ELEV. ℄ BRG.				STUDS PER ROW	STUD SHEAR CONNECTORS SPACING				
						A	B	PIER NO.	ELEV.	PIER NO.	ELEV.		A	B	C	D	X
E-1	GN-21	99'-6 7/8"	48	7/16	7/8x16	7/8x16	1 1/4x16	E-1	54.903	E-2	60.018	4	66	18"			6"
E-1	GN-22	80'-2 4"	48	7/16	7/8x16	7/8x16	7/8x16	E-1	52.780	E-2	57.204	4	53	18"			6"
E-2	GN-23	134'-8 1/2"	78	1/2	7/8x16	7/8x16	1 3/4x16	E-2	60.192	22	65.240	4	67	24"			6"
E-2	GN-24	132'-11 1/4"	78	1/2	7/8x16	7/8x16	1 3/4x16	E-2	59.697	22	64.832	4	66	24"			6"
E-2	GN-25	129'-2 5/16"	78	9/16	7/8x16	7/8x16	2 3/8x16	E-2	57.267	22	63.263	4	64	24"			6"



WELDED PLATE BEAM ELEVATION

FILE NAME =	USER NAME = rgell	DESIGNED - AMR	REVISED -	
		DRAWN - AMR	REVISED -	
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - JMH	REVISED -	
	PLOT DATE = 3/28/2011	DATE - MARCH, 2011	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER ELEVATIONS & SCHEDULES – LOCATION 2
STRUCTURE NO. 016-1115

SCALE: NTS | SHEET NO. 23 OF 37 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2010-127-BP	COOK	160	69
		CONTRACT NO. 60N01		
	ILLINOIS FED. AID PROJECT			

@FILE@