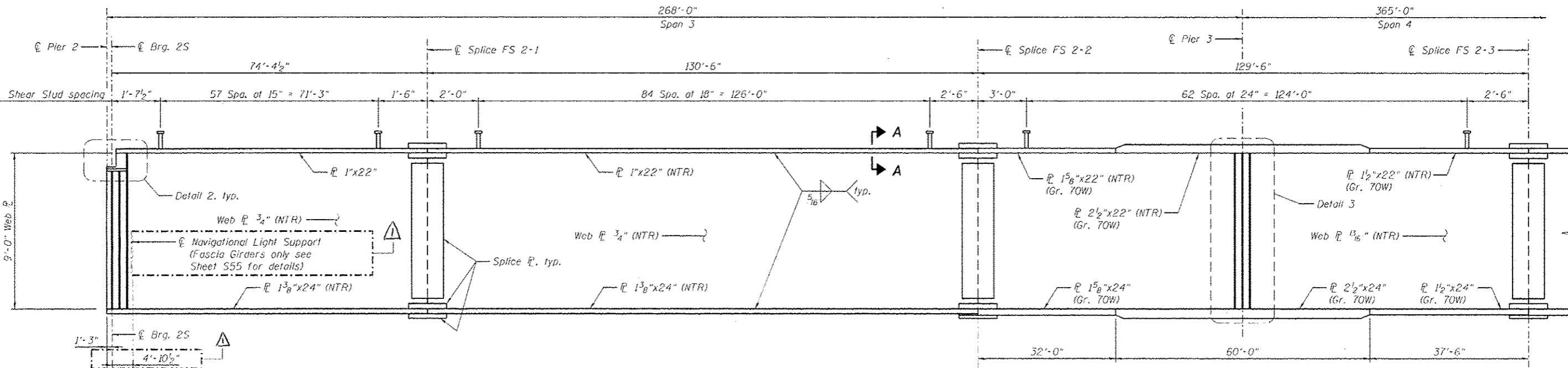
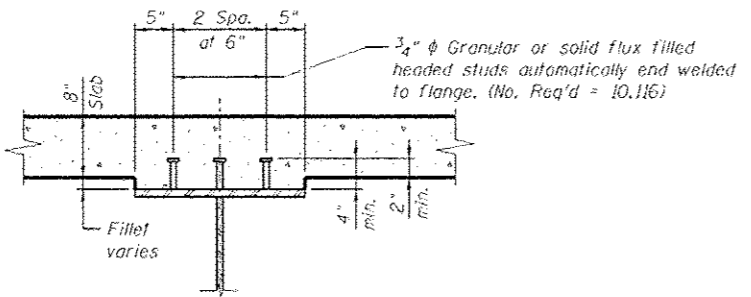


FRAMING PLAN - SPAN 3
(Unit 2)



GIRDER ELEVATION - SPAN 3
(Unit 2)



SECTION A-A

NOTES:

1. All girder webs and flanges shall be AASHTO M270 Grade 50W Steel, unless noted otherwise.
2. Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Impact Testing Requirements, Zone 2.
3. See sheet S49 for Details 2 & 3.
4. See sheet S50 for Details 5 thru 8.
5. Adjust location of Shear studs to miss lateral bracing bolts.

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FILE NAME - 0780047_66A69_046_U2-Framing_Plan_Log	USER NAME - habdow	DESIGNED - VJR	REVISED - 10/27/2015 HMA
		CHECKED - MRB/KWS	REVISED -
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	PLD. DATE - 10/21/2015	CHECKED - HMA	REVISED -

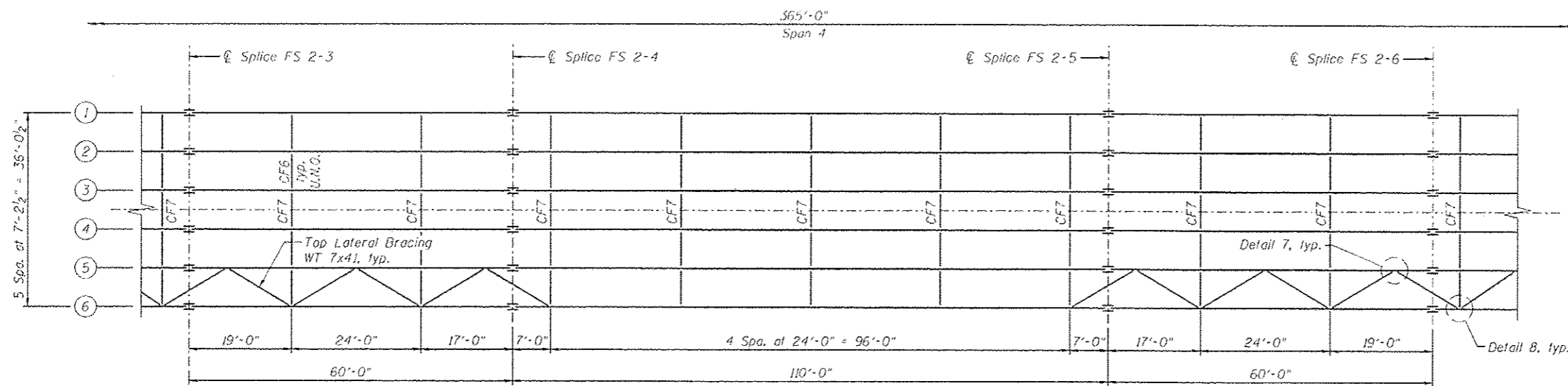
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND GIRDER ELEVATION I - UNIT 2
STRUCTURE NO. 078-0047

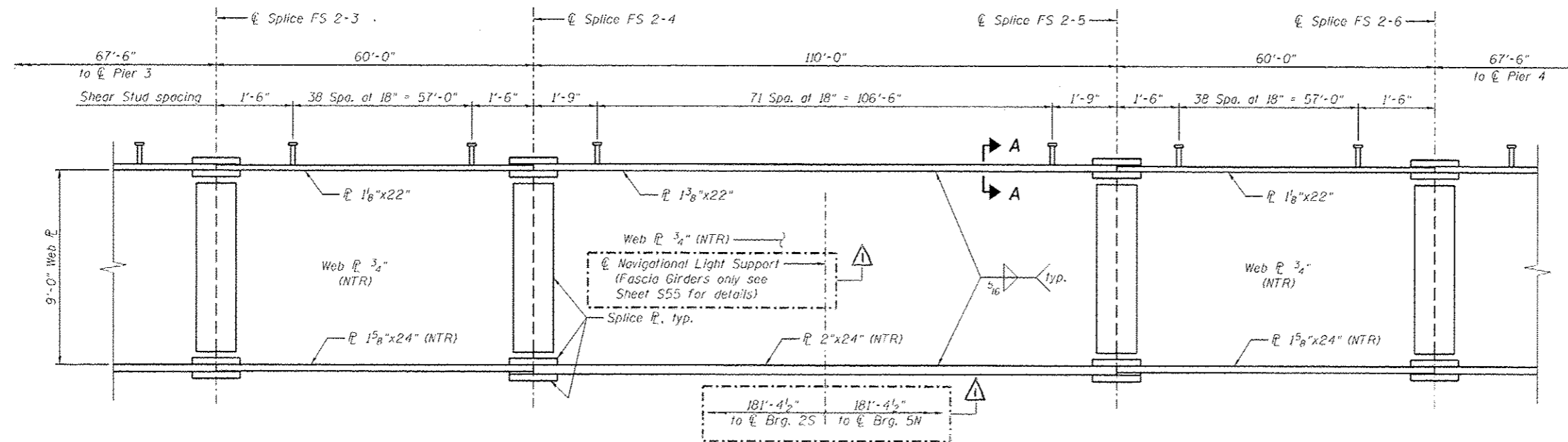
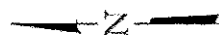
SHEET NO. 546 OF 5119 SHEETS

F.A.P. RTE. 698	SECTION (I) BR	COUNTY BUREAU/PUTNAM	TOTAL SHEETS 415	SHEET NO. 203
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	

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FRAMING PLAN - PARTIAL SPAN 4
(Unit 2)



GIRDER ELEVATION - PARTIAL SPAN 4
(Unit 2)

NOTE:
1. See Sheet 46 for notes.

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FILE NAME -	USER NAME - hdbdou	DESIGNED - VJK	REVISED - 10/27/2015 HMA
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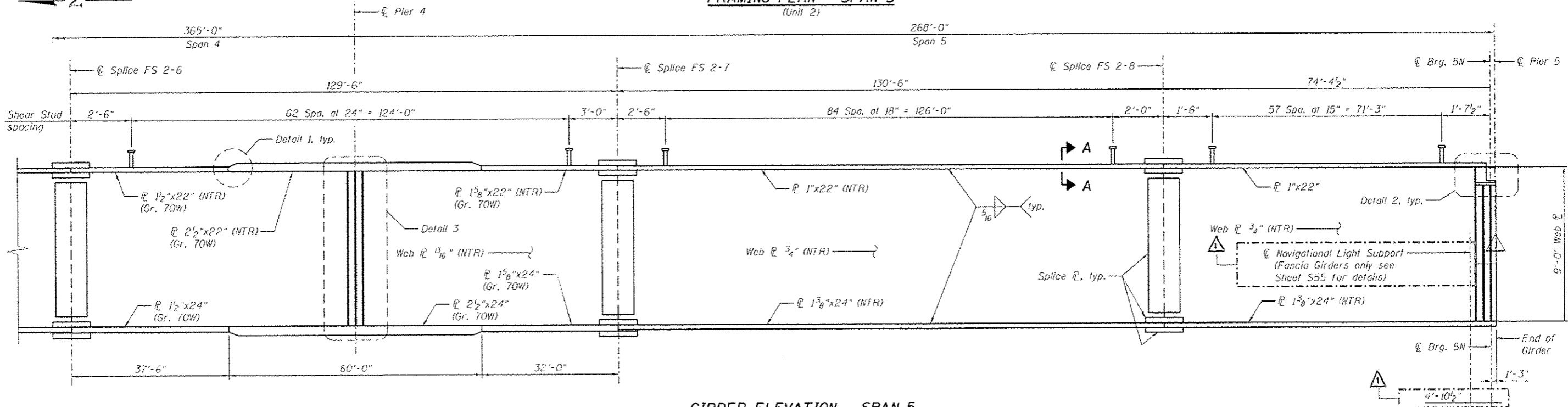
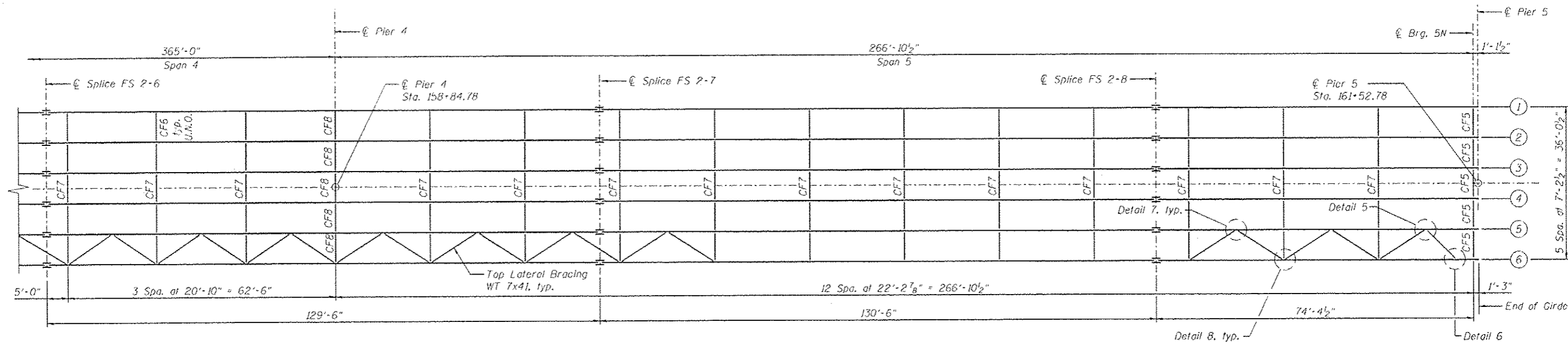
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND GIRDER ELEVATION II - UNIT 2
STRUCTURE NO. 078-0047

SHEET NO. S47 OF S119 SHEETS

F.A.P. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR		415	204
BUREAU/PUTNAM			CONTRACT NO. 66A69	
ILLINOIS FED. AID PROJECT				

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GIRDER ELEVATION - SPAN 5
(Unit 2)

NOTE:
1. See Sheet 46 for notes.

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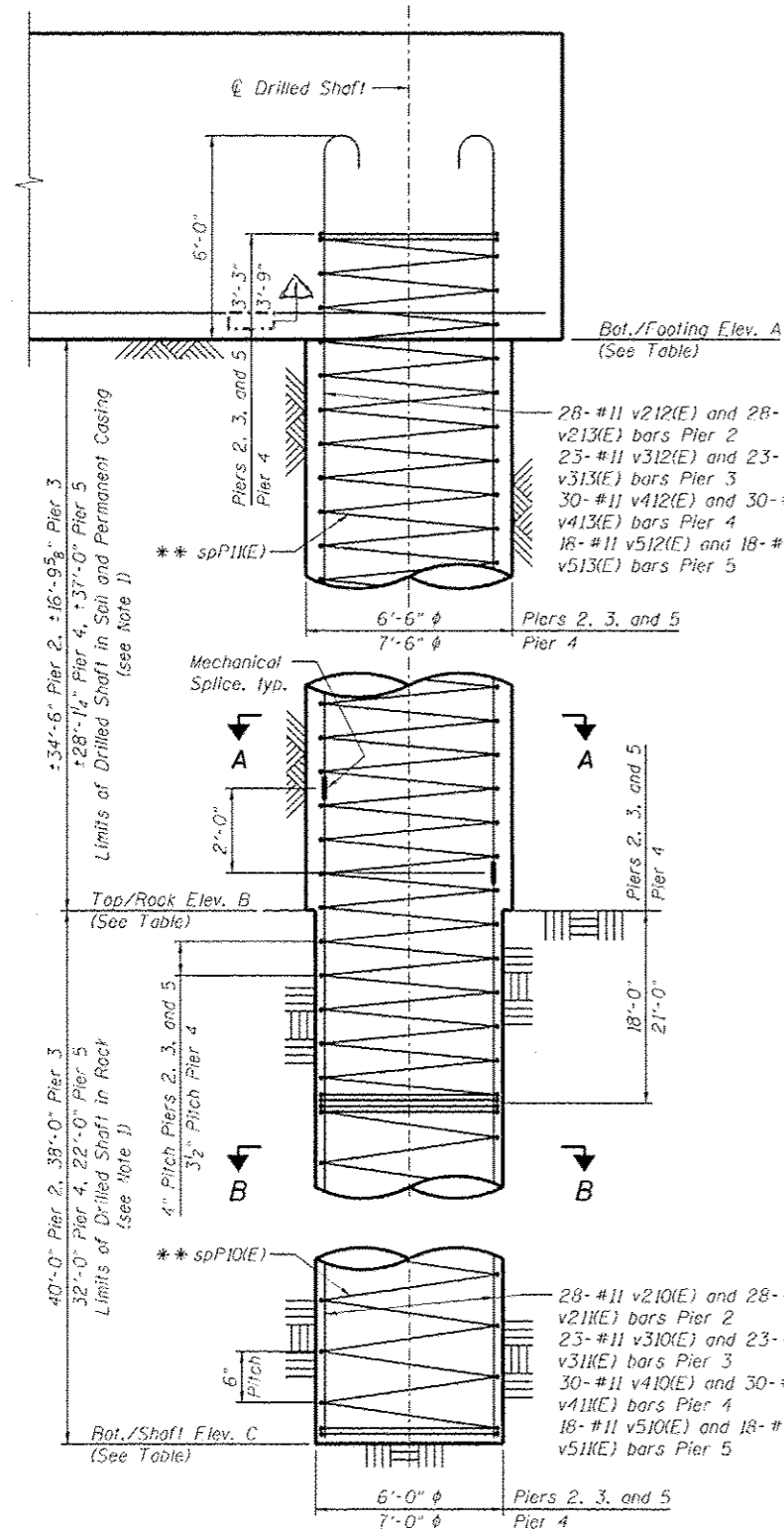
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

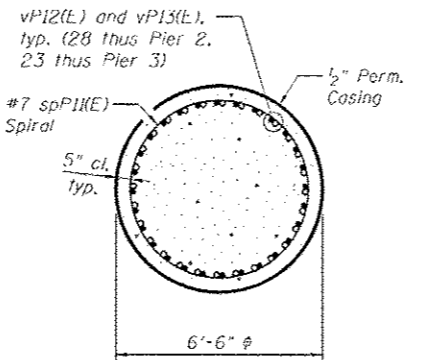
FRAMING PLAN AND GIRDER ELEVATION III - UNIT 2
STRUCTURE NO. 078-0047
SHEET NO. 548 OF 5119 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

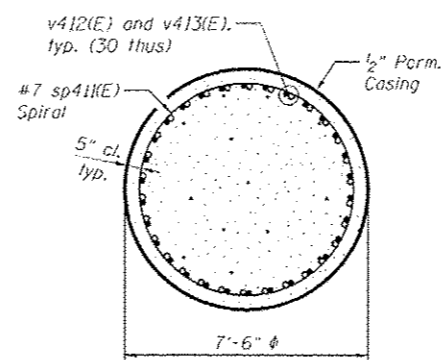
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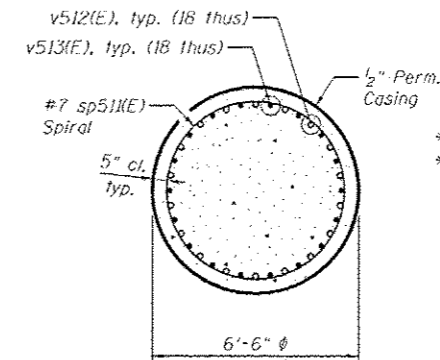
DRILLED SHAFT ELEVATION



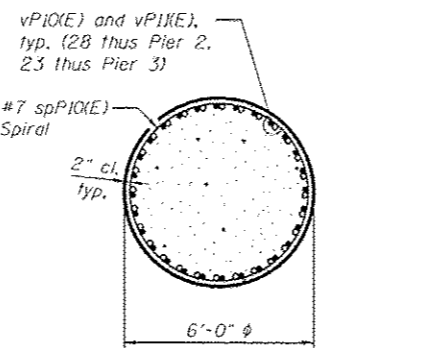
SECTION A-A - PIERS 2 & 3



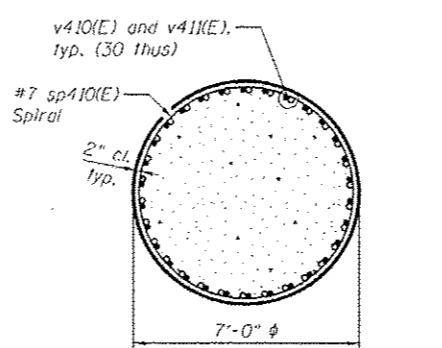
SECTION A-A - PIER 4



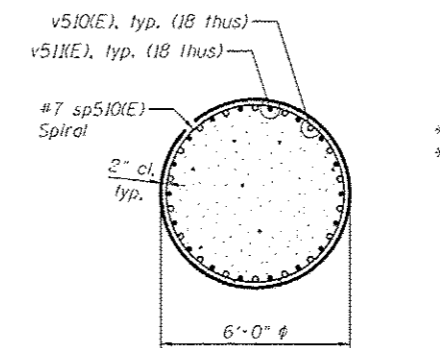
SECTION A-A - PIER 5



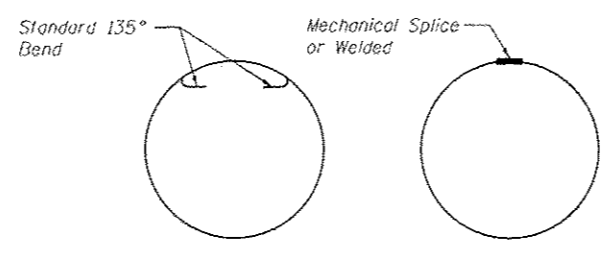
SECTION B-B - PIERS 2 & 3



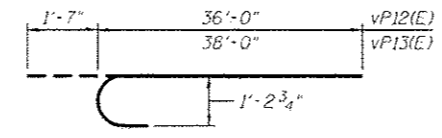
SECTION B-B - PIER 4



SECTION B-B - PIER 5



ALTERNATE SEISMIC HOOPS



BARS vP12(E) & vP13(E)

ELEVATION TABLE

PIER	ELEV. A	ELEV. B	ELEV. C
2	431.50	397.00±	357.00±
3	412.50	395.70±	357.70±
4	422.50	394.40±	362.40±
5	438.50	401.50±	379.50±

*** Provide 1/2 extra turns top and bottom. Shop weld together extra spiral turns top and bottom per AWS D1.4 or provide 135° standard hooks into core at ends of spiral. Provide min. 4-#4 spacers or equivalent.

*** The bar length is to the center of mechanical splice. The Contractor shall adjust the length as required for the selected mechanical splice.

**** Length is height of spiral.

NOTES:

- The quantities and detailing are based on the estimated elevations shown on the plans. The actual elevations may differ at each shaft and corresponding adjustments shall be made to the quantities and payment limits.
- For bars indicated thus vP10(E) etc.,
P = 2 for Pier 2
P = 3 for Pier 3
P = 4 for Pier 4
P = 5 for Pier 5
- Quantities are based on the use of spirals in footings and shafts. Alternate seismic hoops with the same bar diameter and spacing may be substituted for spirals at no additional cost to the State.
- Drilled shafts shall not be terminated in cool.

PIER 2 SHAFTS - BAR LIST & BILL OF MATERIAL

Bar	No.	Size	Length	Shape
sp210(E)	4	#7	22'-0"	W
sp211(E)	4	#7	55'-9"	W
v210(E)	112	#11	44'-6"	—
v211(E)	112	#11	42'-6"	—
v212(E)	112	#11	37'-7"	C
v213(E)	112	#11	39'-7"	C
Reinforcement Bars, Epoxy Coated			Pound	129,320
Permanent Casing			Foot	158
Drilled Shaft in Soil			Cu. Yd.	169.7
Drilled Shaft in Rock			Cu. Yd.	167.6

PIER 3 SHAFTS - BAR LIST & BILL OF MATERIAL

Bar	No.	Size	Length	Shape
sp310(E)	6	#7	20'-0"	W
sp311(E)	6	#7	38'-1"	W
v310(E)	138	#11	24'-10"	—
v311(E)	138	#11	22'-10"	—
v312(E)	138	#11	37'-7"	C
v313(E)	138	#11	39'-7"	C
Reinforcement Bars, Epoxy Coated			Pound	126,530
Permanent Casing			Foot	101
Drilled Shaft in Soil			Cu. Yd.	123.9
Drilled Shaft in Rock			Cu. Yd.	238.8

PIER 4 SHAFTS - BAR LIST & BILL OF MATERIAL

Bar	No.	Size	Length	Shape
sp410(E)	6	#7	11'-0"	W
sp411(E)	6	#7	52'-11"	W
v410(E)	180	#11	30'-2"	—
v411(E)	180	#11	28'-2"	—
v412(E)	180	#11	37'-7"	C
v413(E)	180	#11	39'-7"	C
Reinforcement Bars, Epoxy Coated			Pound	183,390
Permanent Casing			Foot	169
Drilled Shaft in Soil			Cu. Yd.	275.9
Drilled Shaft in Rock			Cu. Yd.	273.7

PIER 5 SHAFTS - BAR LIST & BILL OF MATERIAL

Bar	No.	Size	Length	Shape
sp510(E)	4	#7	4'-0"	W
sp511(E)	4	#7	58'-3"	W
v510(E)	72	#11	29'-0"	—
v511(E)	72	#11	27'-0"	—
v512(E)	72	#11	37'-7"	C
v513(E)	72	#11	39'-7"	C
Reinforcement Bars, Epoxy Coated			Pound	78,420
Permanent Casing			Foot	148
Drilled Shaft in Soil			Cu. Yd.	181.9
Drilled Shaft in Rock			Cu. Yd.	92.2

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FILE NAME	USER NAME	DESIGNED	REVISION
R780847_6646L081.Drilled_Shaft_Ldgn	ahellenthal	MFH	10/27/2015 MFH
		AAY	
		RAC	
		HMA	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRILLED SHAFT DETAILS
STRUCTURE NO. 078-0047**
SHEET NO. 581 OF 5113 SHEETS

F.A.Y. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	238
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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