

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

ROUTE FAI 57 (I-57)
SECTION (46-2) I, HBR, VBR
PROJECT: ACIM-057-6(190)306
KANKAKEE COUNTY
C-93-007-04

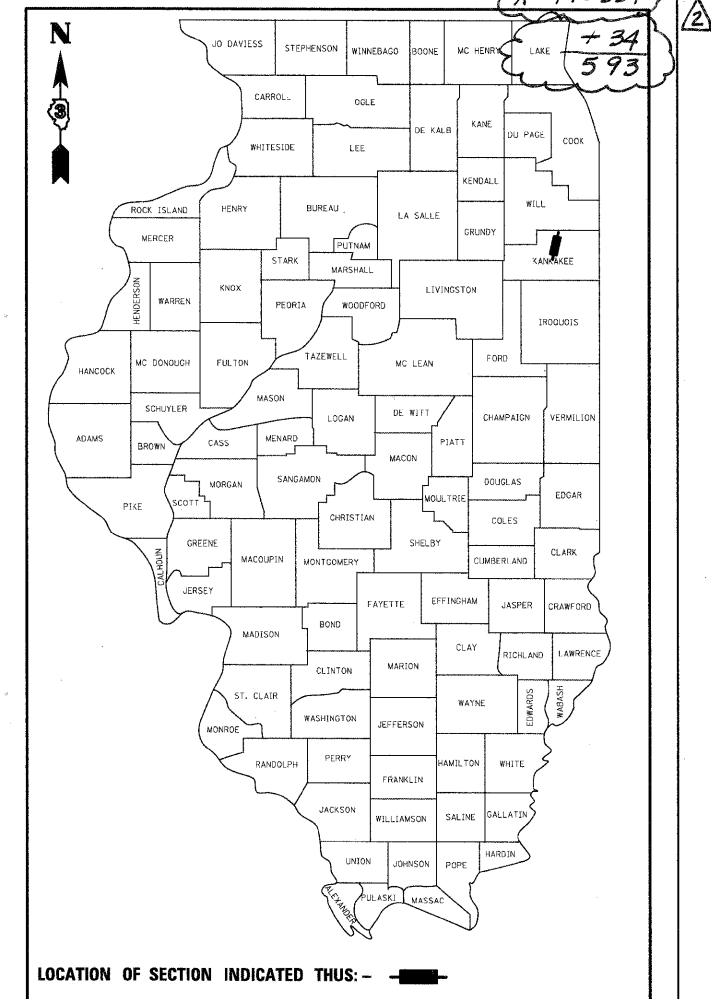
VOLUME I

I-57 AT IL ROUTE 50
INTERCHANGE RECONSTRUCTION AND
BRIDGE REPLACEMENT (S.N. 046-0144, 0145, 0146, & 0147)

FOR INDEX OF SHEETS, SEE SHEET NO. 2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2) I, HBR, VBR	KANKAKEE	558	1
FED. ROAD DIST. NO. 3		ILLINOIS	CONTRACT NO. 66409	

P-93-038-94
D-93-012-04



LOCATION OF SECTION INDICATED THUS: - [Red Box] -

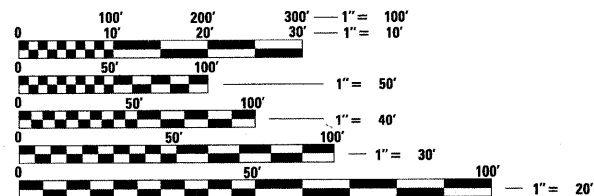
F.A.I. 57 - INTERSTATE 57
FUNCTIONAL CLASSIFICATION: URBAN INTERSTATE
2009 ADT = 31,800
P.V. = 84.0% S.U. = 12.5% M.U. = 3.5%

F.A.P. 840 - IL RTE 50
FUNCTIONAL CLASSIFICATION: URBAN OTHER PRINCIPAL ARTERIAL
2009 ADT = 30,700
P.V. = 95.3% S.U. = 2.1% M.U. = 2.6%

DESIGN DESIGNATION

I-57 2945(25) PRINCIPAL ARTERIAL (URBAN INTERSTATE) 71.4 (CRCP-20)
IL ROUTE 50 835(25) URBAN OTHER PRINCIPAL ARTERIAL 9.71 (PCC-20)

DESIGN SPEED: I-57 = 70 MPH
IL ROUTE 50 = 45 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

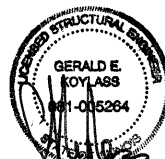
MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE ON THE FOLLOWING SHEETS _____

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

DISTRICT 3 NO. (815) 434-6131
PROJECT ENGINEER: JOSEPH E KANNEL, P.E.
UNIT CHIEF: MICHELE LINDEMANN, P.E.
TOWNSHIP: BOURBONNAIS
CONTRACT NO. 66409



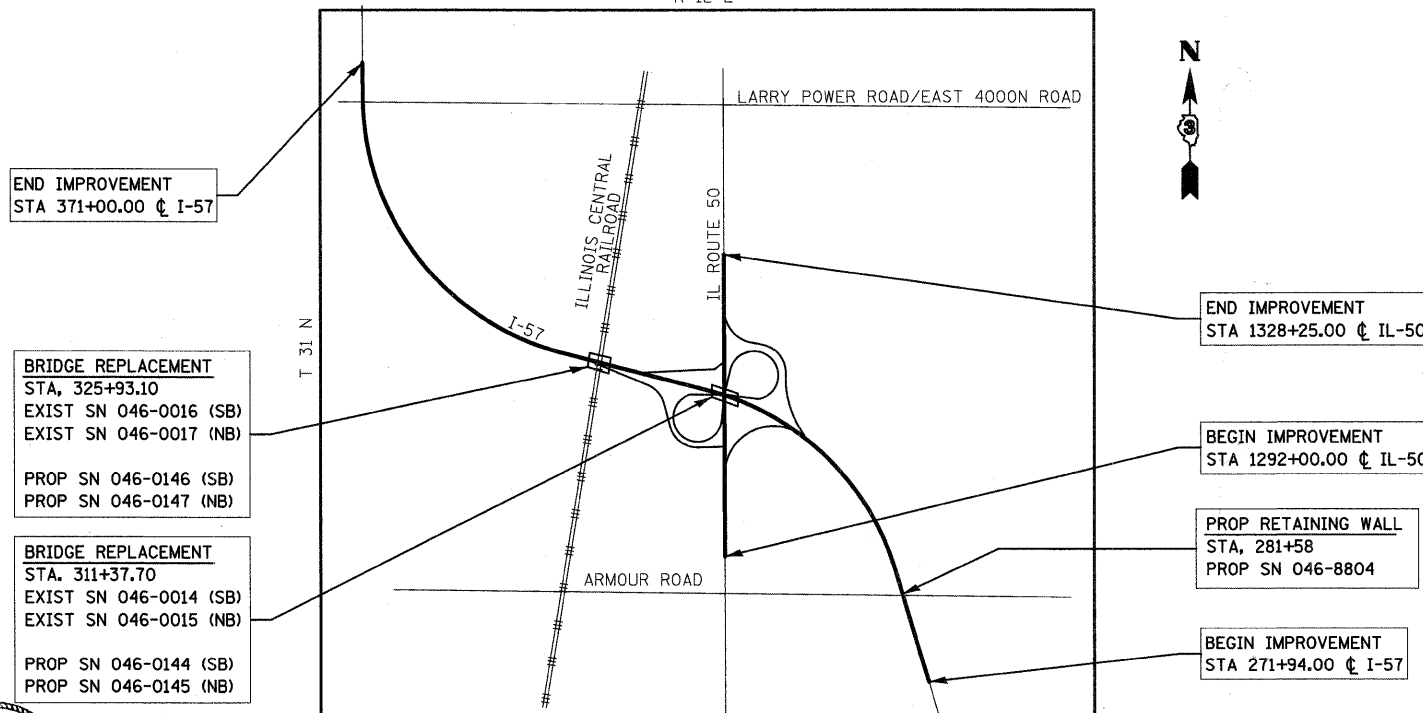
NAME: RICK YOUNG
EXP. 11/30/2011
DATE: _____
SHT NO. 1-215, 270-271, 381-558



NAME: GERALD KOYLASS
EXP. 11/30/2012
DATE: 12/17/2012
SHT NO. 216-225, 272-380



NAME: HARJIT SINGH
EXP. 11/30/2011
DATE: _____
SHT NO. 226-269



LOCATION MAP
SCALE = 1:2400

LENGTH OF PROJECT

FAI RTE I-57	= 9,906.00 FT. = 1.876 MI.
GROSS LENGTH	= 9,906.00 FT. = 1.876 MI.
NET LENGTH	= 9,906.00 FT. = 1.876 MI.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 23 2010
Deputy Director of Highways, Region Engineer
March 25 2011
acting Engineer of Design and Environment
March 25 2011
Director of Highways, Chief Engineer

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OF THE STATE OF ILLINOIS

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001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
202001-01	EARTH MEDIAN DITCH CHECK
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	24' (7.2m) JOINTED PCC PAVEMENT
420106-04	36' (10.8m) JOINTED PCC PAVEMENT
420201-07	ENTRANCE RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO JOINTED PCC MAINLINE PAVEMENT)

HIGHWAY STANDARDS

420206-08	ENTRANCE RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT)
420306-06	EXIT RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT)
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
421001-02	BAR REINFORCEMENT FOR CRC PAVEMENT
421106-08	36' (10.8m) CRC PAVEMENT (WITH WIDE FLANGE BEAM TERMINAL JOINT)
424001-05	CURB RAMPS FOR SIDEWALKS
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
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542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
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606301-04	PC CONCRETE ISLANDS AND MEDIANS
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665001-02	WOVEN WIRE FENCE
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701411-07	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701416-06	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH CROSSOVER AND BARRIER
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701456-01	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701601-07	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701606-07	LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
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483001-04

216-225 A

272-327 V
328-375 L

Rev. 4-26-11

Rev. 4-18-11

Rev.

FILE NAME = I:\Dgn\sheeta\1s201.dgn	USER NAME = EricG	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS	F.A.I. RTE. 57	SECTION (46-2) I, HBR, VBR	COUNTY KANKAKEE	TOTAL SHEETS 558	SHEET NO. 2	
PLOT SCALE = 1:500	CHECKED - EJG	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT			
PLOT DATE = 12/22/2018	DATE - 12/17/10	REVISED -	CONTRACT NO. 66409								

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

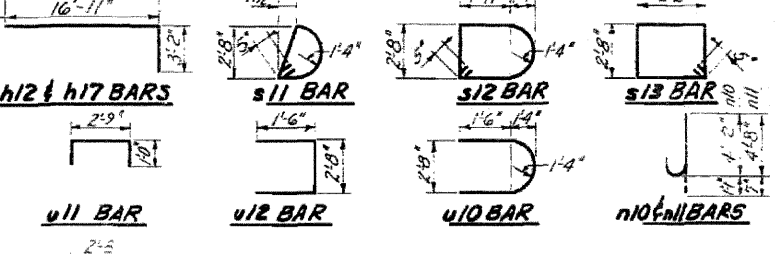
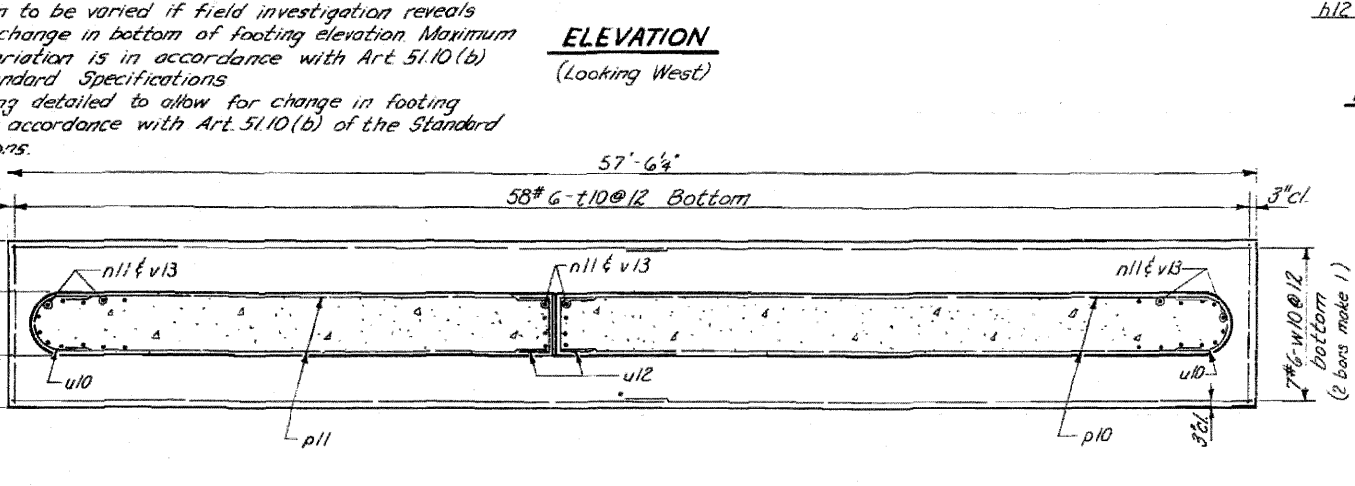
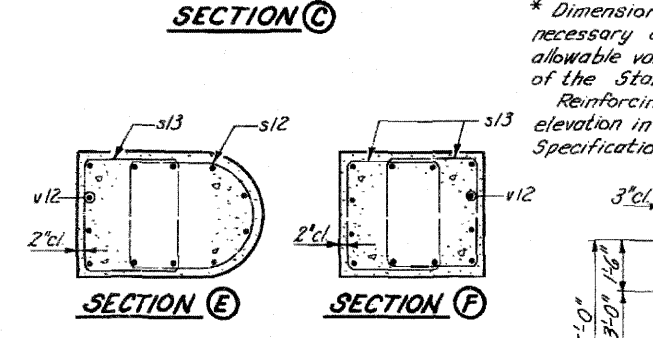
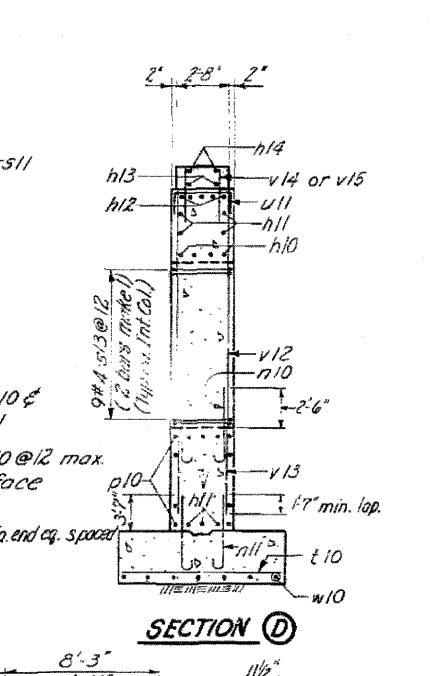
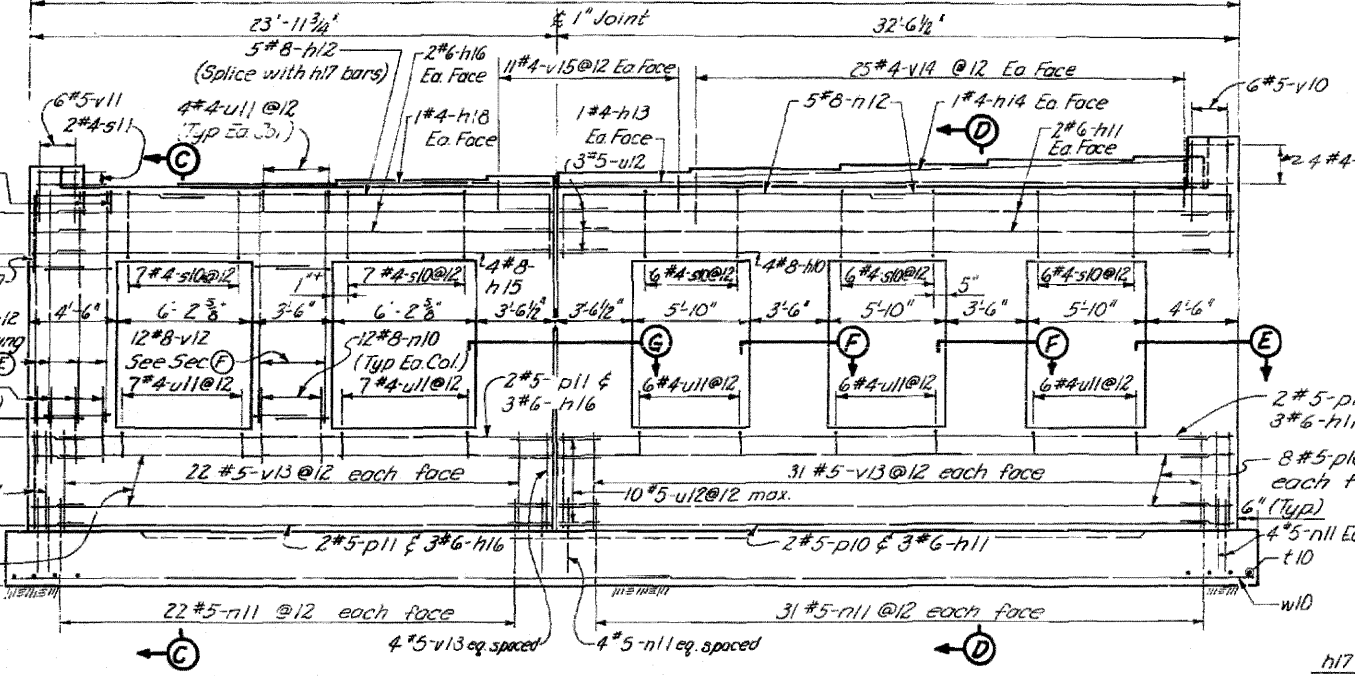
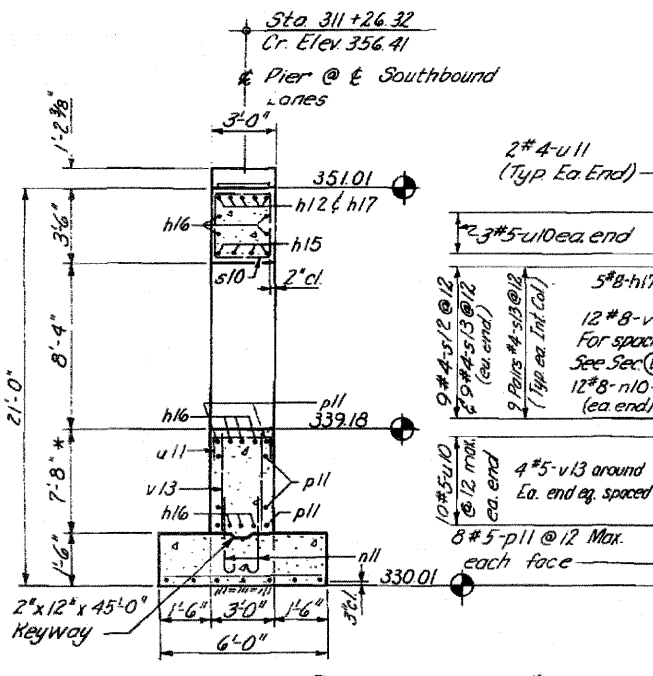
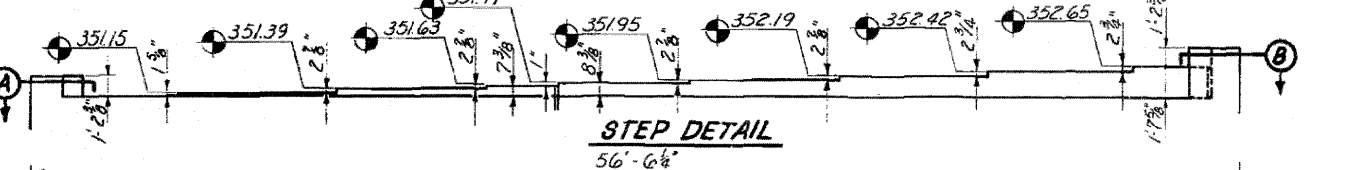
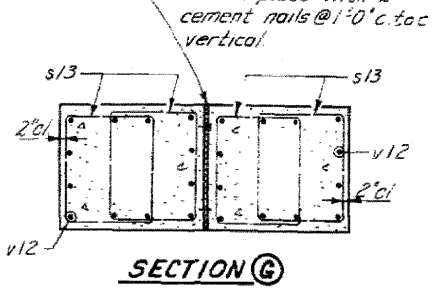
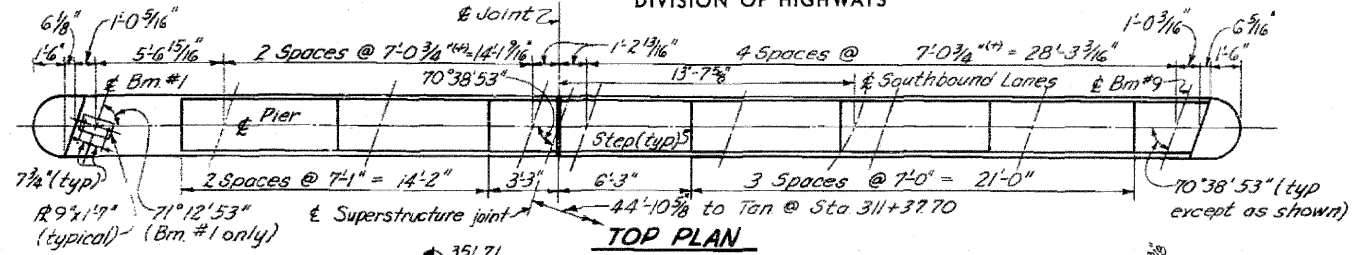
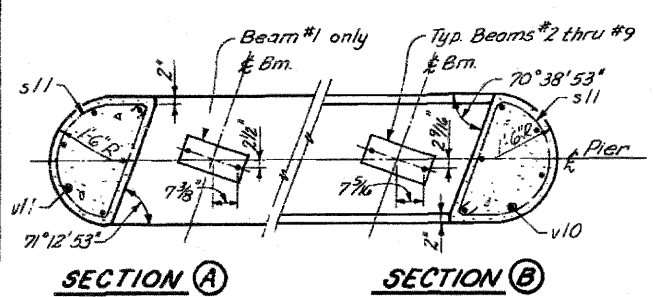
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2	KANKAKEE	46	25
STA.	TD STA.			
FED. ROAD DIST. No. 7 ILLINOIS FED. AID PROJECT				

SHT. 15
OF 29

BILL OF MATERIAL

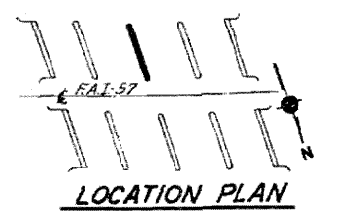
Bar No.	Size	Length	Shape
h10	4 #8	30'-9"	
h11	10 #6	30'-9"	
h12	15 #8	24'-1"	
h13	2 #4	30'-9"	
h14	2 #4	24'-6"	
h15	4 #8	22'-3"	
h16	10 #6	22'-3"	
h17	5 #8	11'-5"	
h18	2 #4	9'-9"	
n10	84 #8	5'-3"	
n11	122 #5	5'-3"	
p10	20 #5	30'-9"	
p11	20 #5	22'-3"	
s10	32 #4	12'-6"	
s11	6 #4	8'-10"	
s12	18 #4	11'-7"	
s13	108 #4	10'-6"	
u10	58 #6	5'-5"	
u11	26 #5	7'-3"	
u12	56 #4	4'-9"	
u13	26 #5	5'-8"	
v10	6 #5	4'-5"	
v11	6 #5	2'-3"	
v12	84 #8	11'-5"	
v13	122 #5	7'-5"	
v14	50 #4	2'-6"	
v15	22 #4	1'-6"	
w10	14 #6	29'-3"	

Class X Concrete Cu. Yd. 118.9
Reinforcement Bars Lbs. 1,857
Cl. A Excav. for Struct. Cu. Yd. 171



NOTE:
All edges shall have standard 3/4\" chamfer except footing.

DESIGNED	VNS.	EXAMINED	
CHECKED	D.N.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S. & J.L.C.	PASSED	
CHECKED	L.J.L.	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	



ILLINOIS DIVISION OF HIGHWAYS
PIER NO. 2, SOUTH BRIDGE
FAI. RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311 + 37.70

FOR INFORMATION ONLY Added 4-26-11

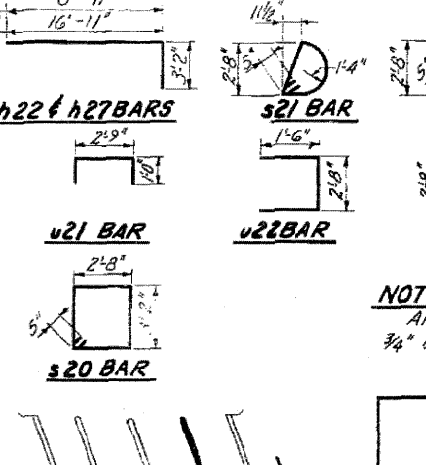
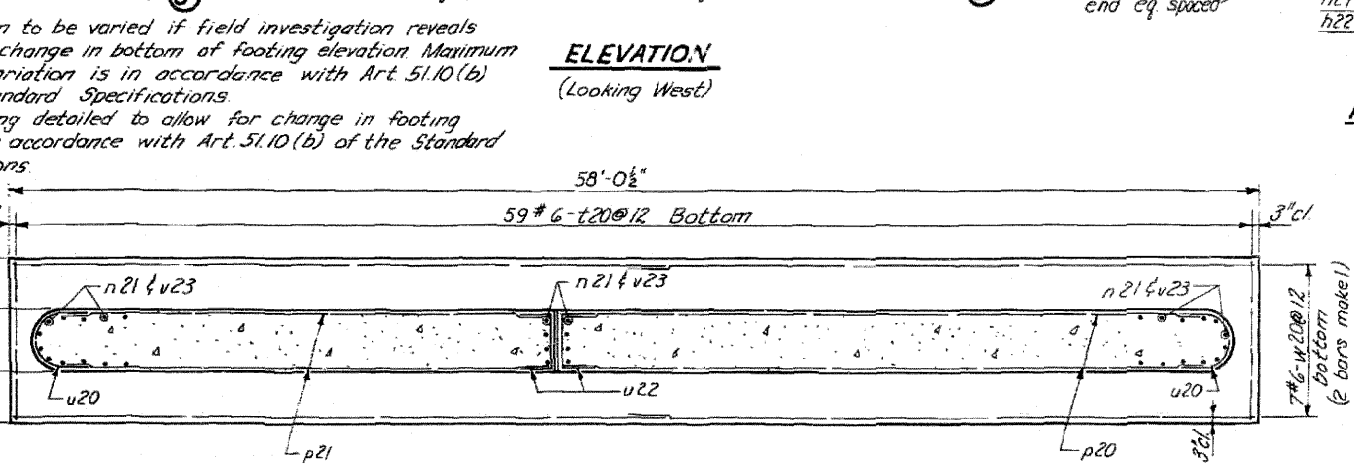
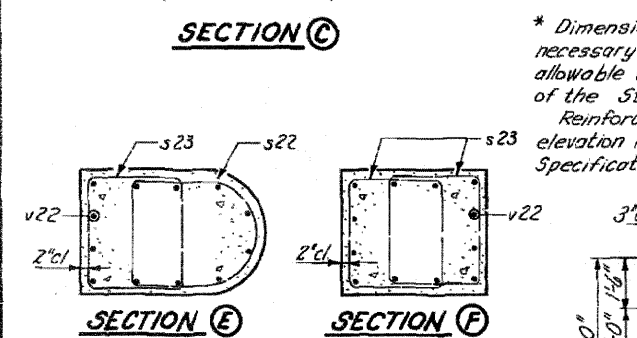
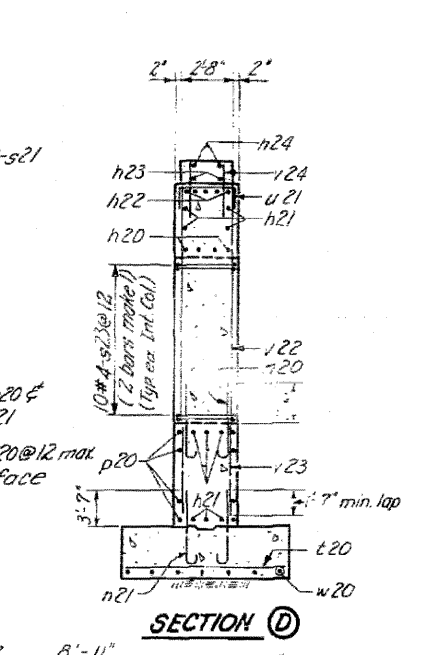
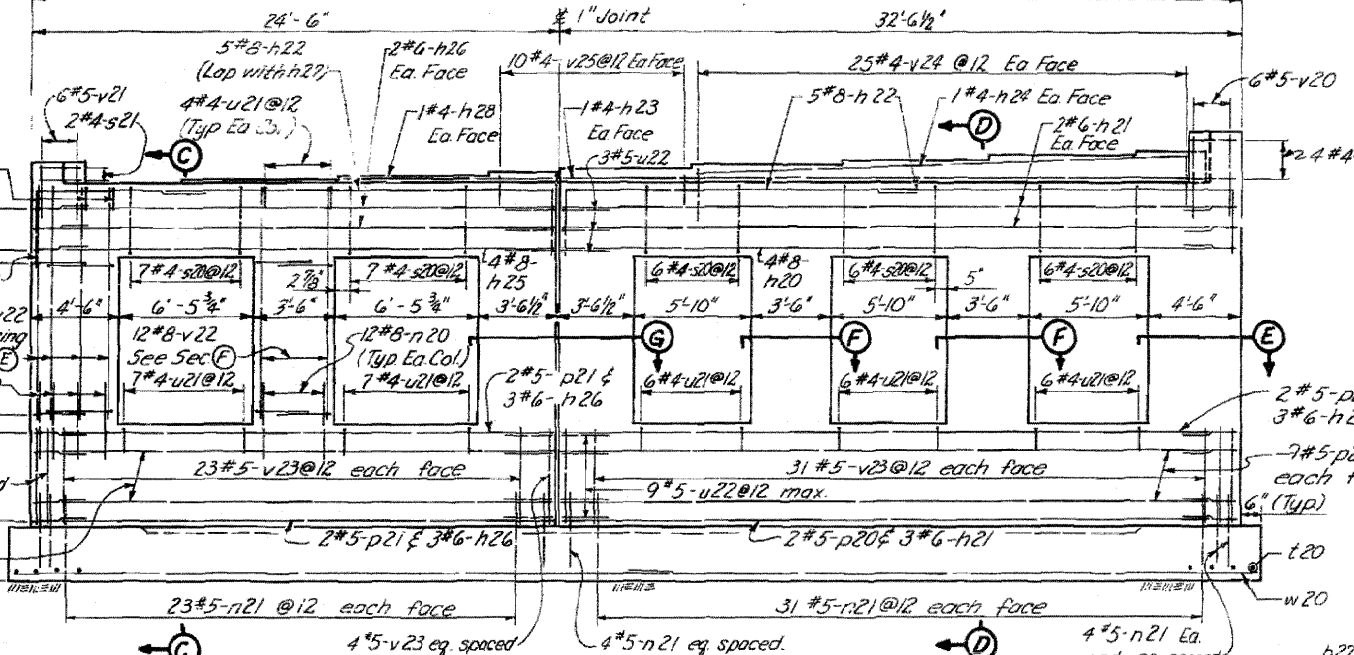
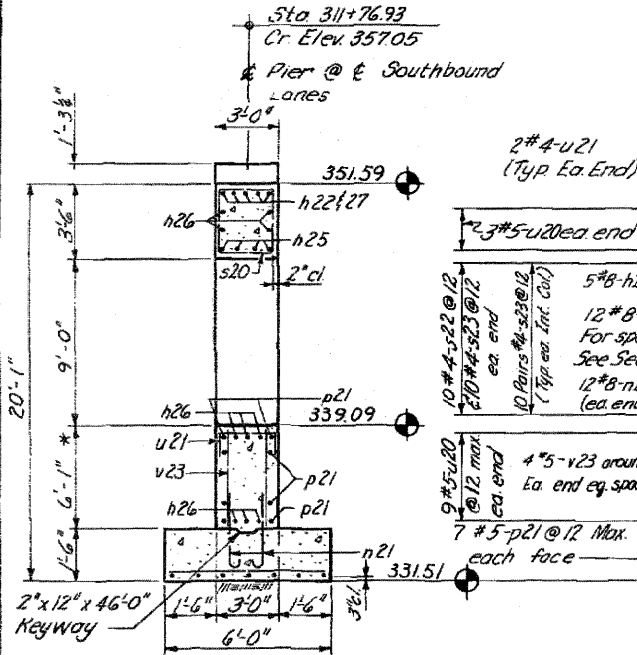
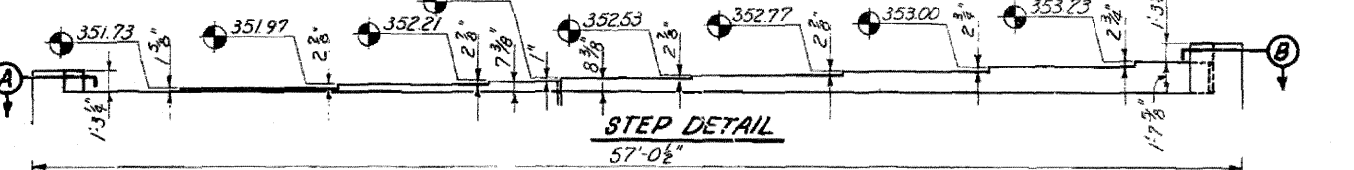
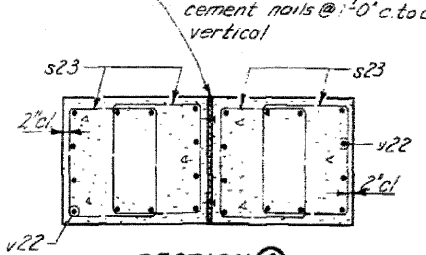
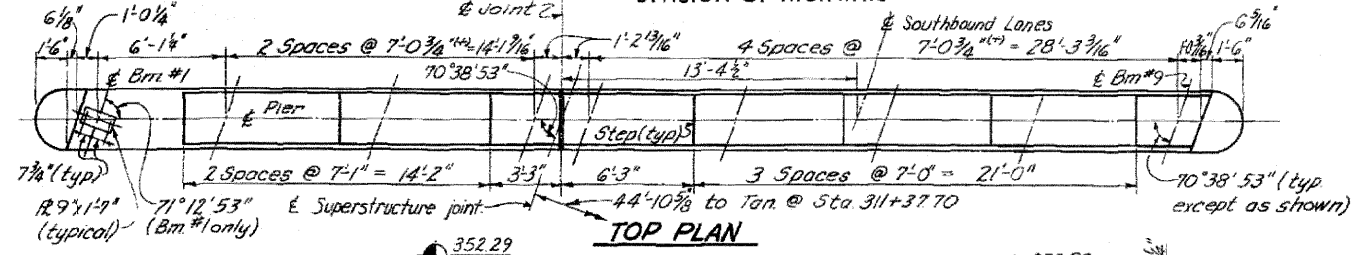
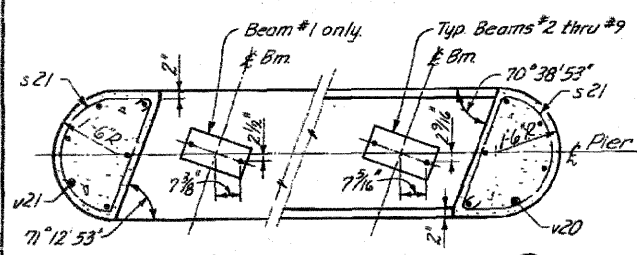
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-57	46-2	KANKAKEE	46	26
TO STA.				
FED. ROAD DIST. NO. ILLINOIS; FED. AID PROJECT				

SHT. 16
OF 29

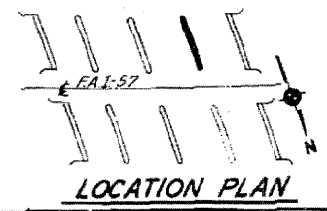
BILL OF MATERIAL

Bar No	Size	Length	Shape
h20	4 #8	30'-9"	
h21	10 #6	30'-9"	
h22	15 #8	20'-1"	
h23	2 #4	30'-9"	
h24	2 #4	24'-6"	
h25	4 #8	22'-9"	
h26	10 #6	22'-9"	
h27	5 #8	12'-7"	
h28	2 #4	9'-9"	
n20	84 #8	5'-3"	
n21	124 #5	5'-3"	
p20	10 #5	30'-9"	
p21	18 #5	22'-9"	
s20	32 #4	12'-6"	
s21	6 #4	8'-10"	
s22	20 #4	11'-7"	
s23	120 #4	10'-6"	
t20	59 #6	5'-6"	
u20	24 #5	7'-3"	
u21	36 #4	4'-9"	
u22	24 #5	5'-8"	
v20	6 #5	2'-0"	
v21	6 #5	2'-3"	
v22	84 #8	2'-3"	
v23	124 #5	5'-11"	
v24	50 #4	2'-6"	
v25	20 #4	1'-6"	
w20	14 #6	29'-6"	
Class X Concrete		Cu. Yd.	1099
Reinforcement Bars		Lbs.	11,852
Class A Excav. for Struct.		Cu. Yd.	103



NOTE:
All edges shall have standard 3/4" chamfer except footing.

ILLINOIS DIVISION OF HIGHWAYS
PIER NO. 3, SOUTH BRIDGE
F.A.I. RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311 + 37.70

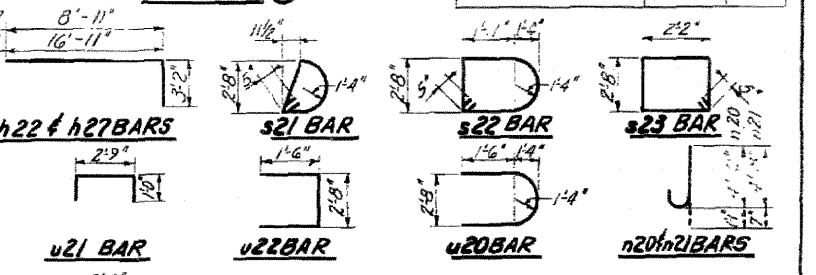
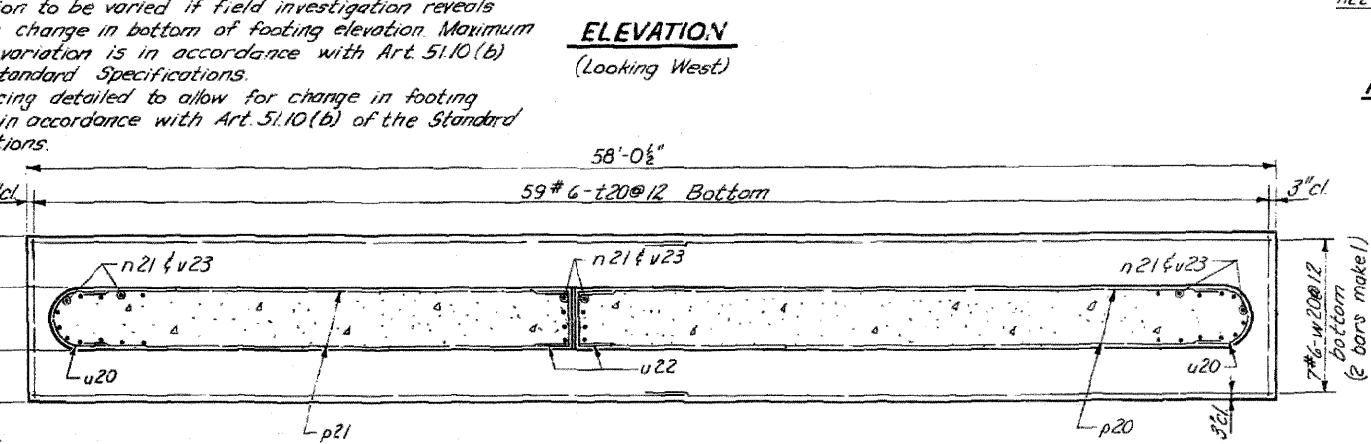
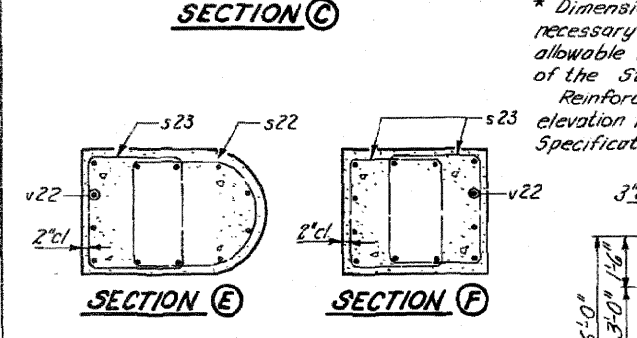
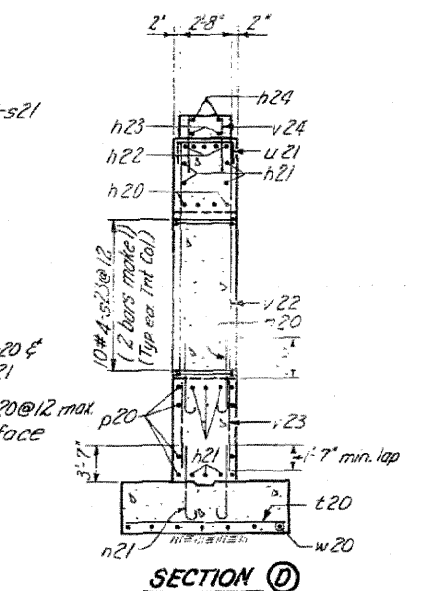
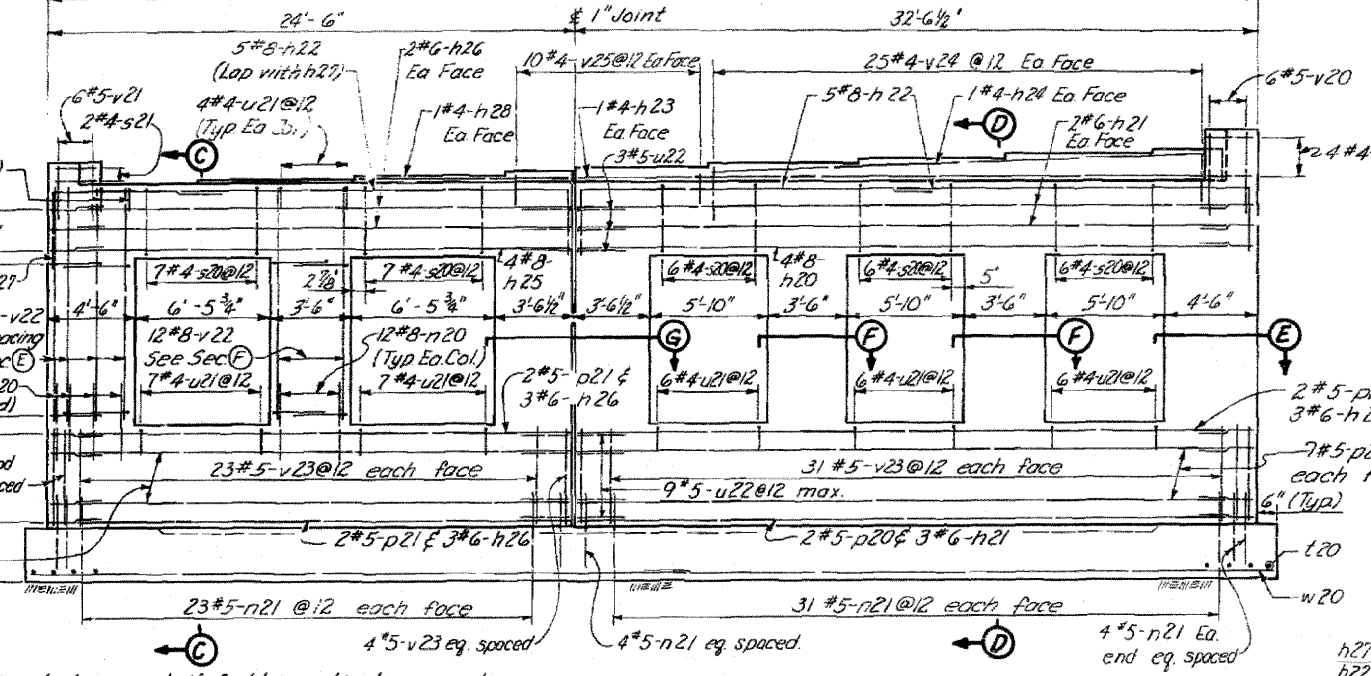
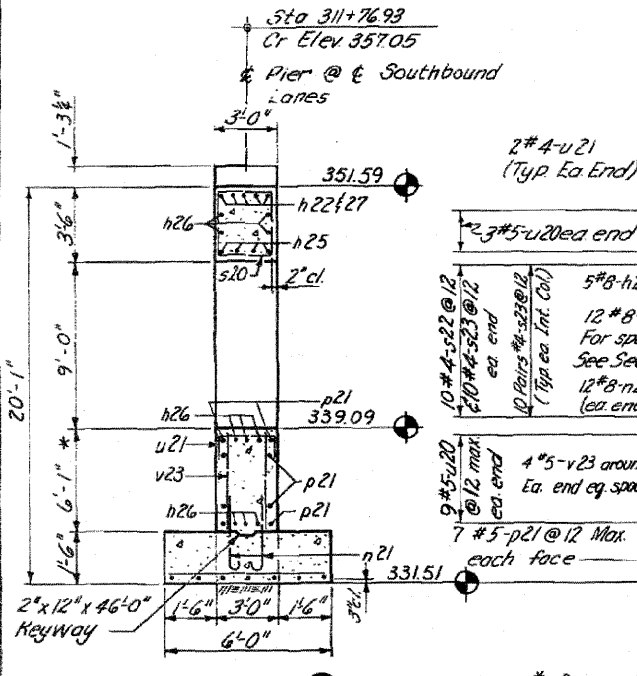
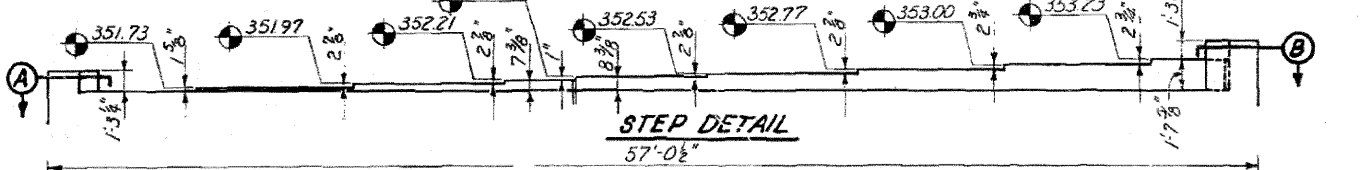
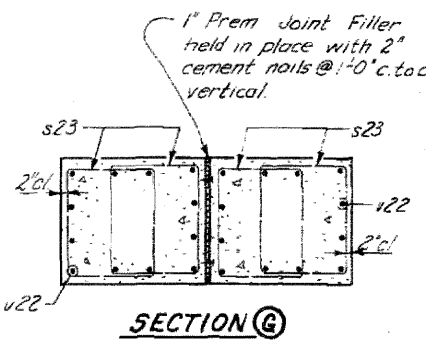
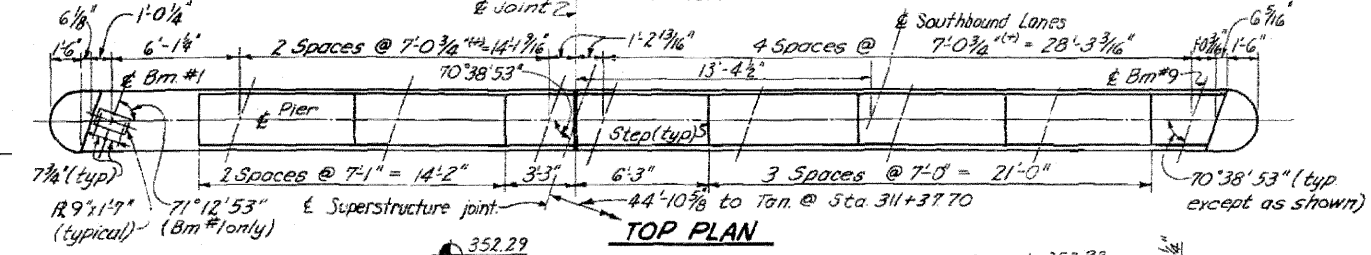
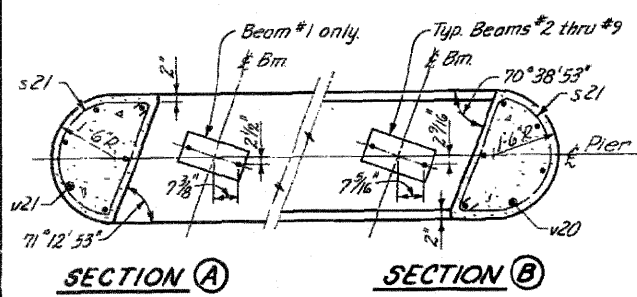


FOR INFORMATION ONLY Added 4-26-11

DESIGNED	VNS.	EXAMINED	
CHECKED	D.M.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S. & J.L.C.	PASSED	
CHECKED	L.J.L.	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2	KANKAKEE	46	26
STA.	TO STA.			
FED. ROAD DIST. NO. 7, ILLINOIS, FED. AID PROJECT				



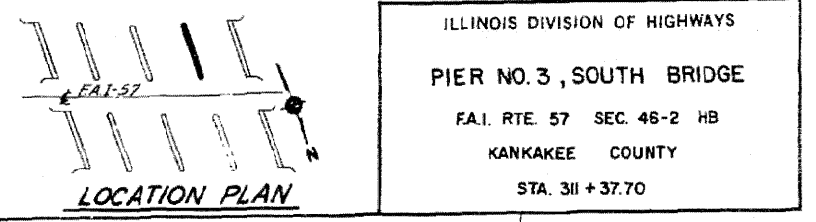
BILL OF MATERIAL

Bar No.	Size	Length	Shape
h20	4 #8	30'-9"	
h21	10 #6	30'-9"	
h22	15 #8	20'-1"	
h23	2 #4	30'-9"	
h24	2 #4	24'-6"	
h25	4 #8	22'-9"	
h26	10 #6	22'-9"	
h27	5 #8	12'-1"	
h28	2 #4	9'-9"	
n20	84 #8	5'-3"	
n21	124 #5	5'-3"	
p20	18 #5	36'-9"	
p21	18 #5	22'-9"	
s20	32 #4	12'-6"	
s21	6 #4	8'-10"	
s22	20 #4	11'-7"	
s23	120 #4	10'-6"	
t20	59 #6	5'-6"	
u20	24 #5	7'-3"	
u21	56 #4	4'-9"	
u22	24 #5	5'-8"	
v20	6 #5	4'-0"	
v21	6 #5	2'-3"	
v22	84 #8	12'-3"	
v23	124 #5	5'-11"	
v24	50 #4	2'-6"	
v25	20 #4	1'-6"	
w20	14 #6	29'-6"	
Class X Concrete		Cu. Yd.	102.9
Reinforcement Bars		Lbs.	11,832
Class A Excat. For Struct.		Cu. Yd.	103

* Dimension to be varied if field investigation reveals necessary change in bottom of footing elevation. Maximum allowable variation is in accordance with Art. 51.10(b) of the Standard Specifications.
Reinforcing detailed to allow for change in footing elevation in accordance with Art. 51.10(b) of the Standard Specifications.

NOTE:
All edges shall have standard 3/4" chamfer except footing.

DESIGNED	VNS.	EXAMINED	
CHECKED	J.N.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S. & J.L.C.	PASSED	
CHECKED	L.J.L.	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	



FOR INFORMATION ONLY Added 4-26-11

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

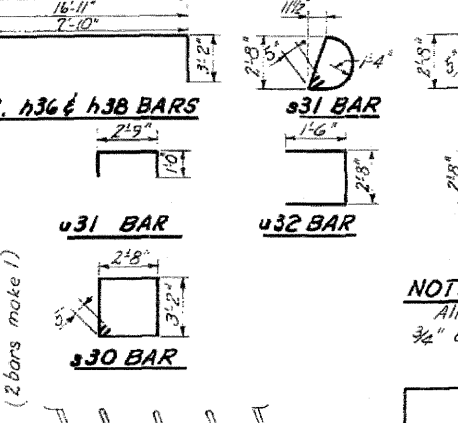
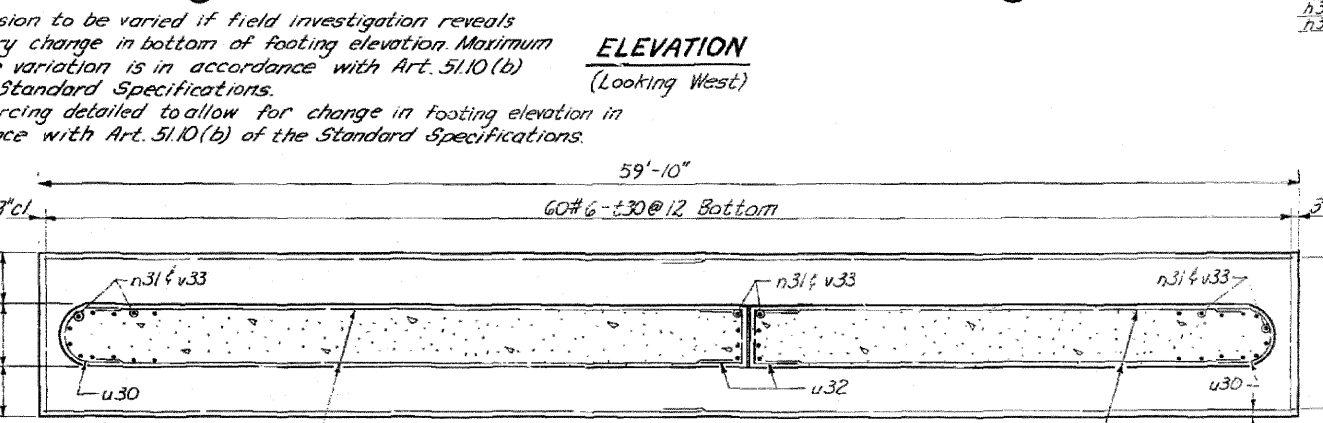
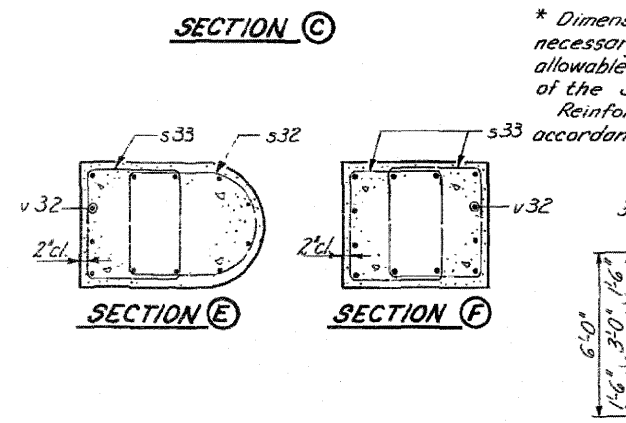
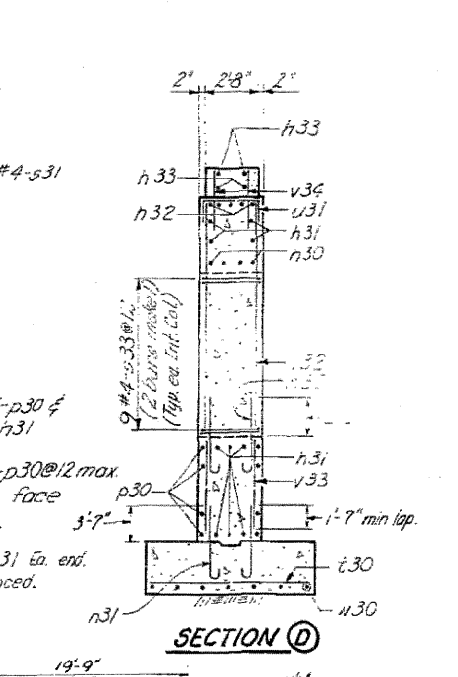
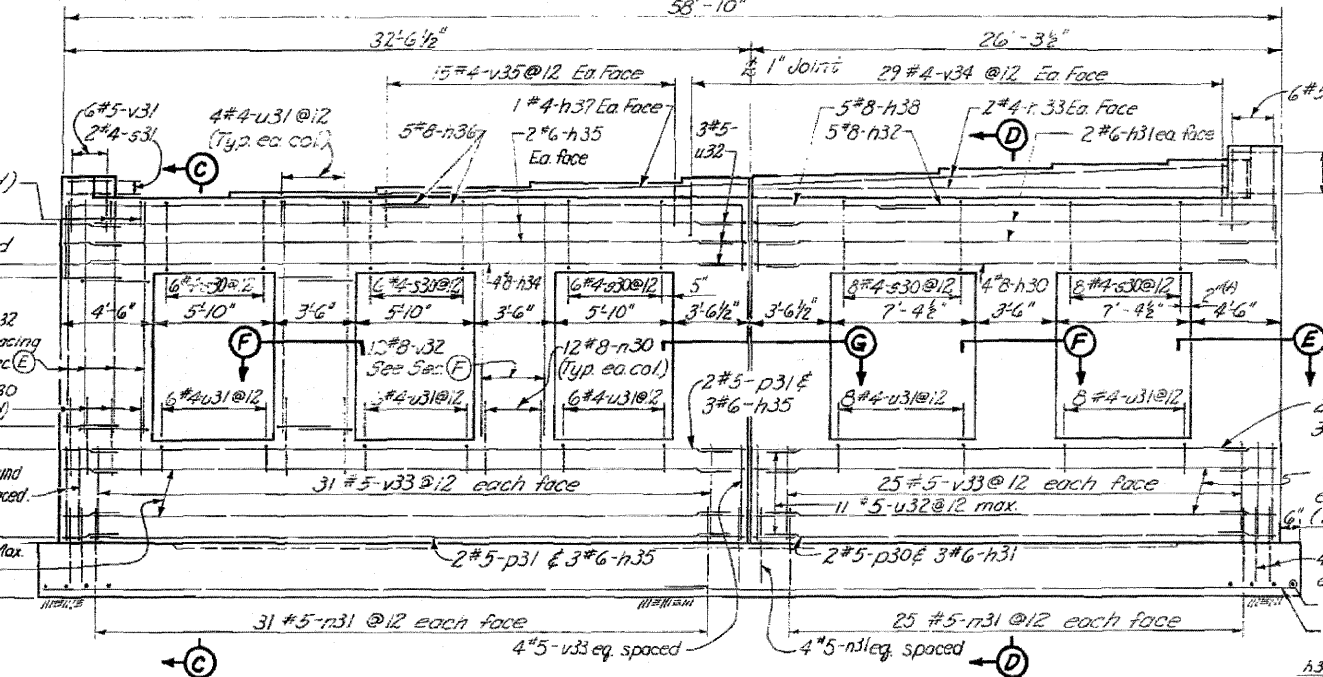
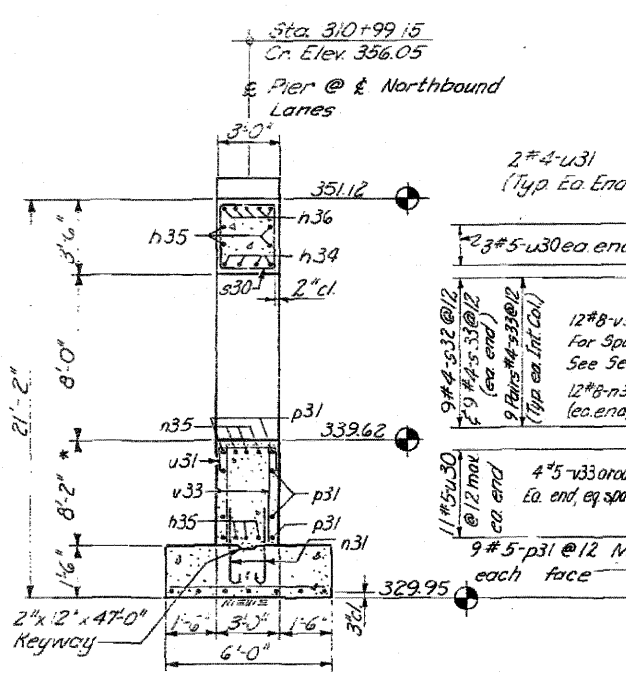
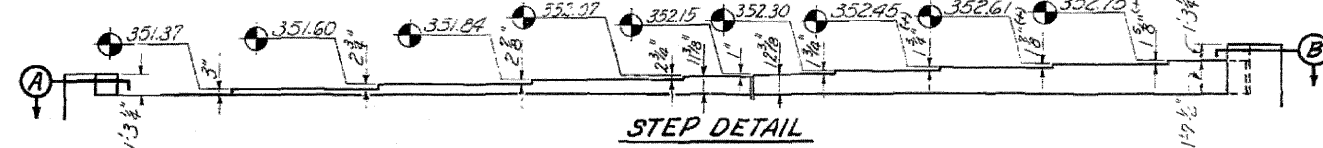
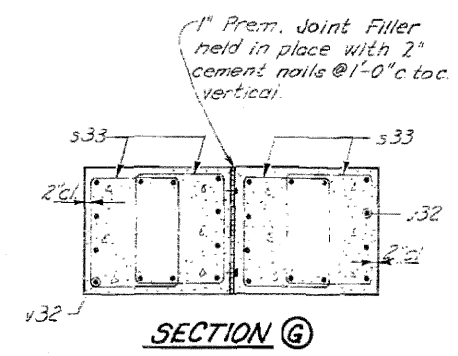
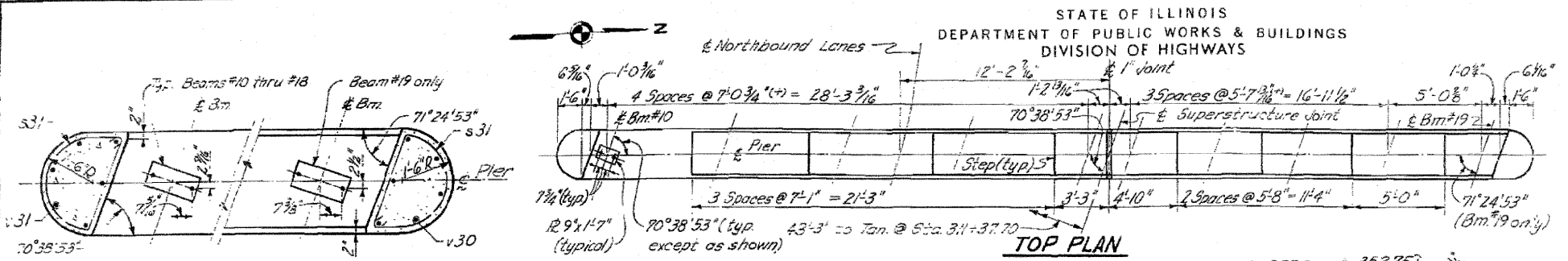
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2	KANKAKEE	46	27
STA.	TO STA.			
FED. ROAD DIST. NO. 7-ILLINOIS FED. AID PROJECT.				

SHT. 17
OF 29

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n30	2	#3	24'-3"	
n3	5	#6	22'-6"	
n32	5	#6	22'-11"	
n33	4	#4	24'-6"	
n34	4	#8	30'-9"	
n35	10	#6	30'-9"	
n36	2	#4	20'-1"	
n37	2	#4	17'-0"	
n38	5	#8	11'-0"	
n30	24	#8	5'-3"	
n31	22	#5	5'-3"	
n30	22	#5	24'-6"	
n31	22	#5	30'-9"	
s30	34	#4	12'-0"	
s31	6	#4	8'-10"	
s32	16	#4	11'-9"	
s33	108	#4	10'-6"	
f30	60	#6	5'-6"	
u30	28	#5	7'-9"	
u31	38	#4	4'-9"	
u32	28	#5	5'-8"	
v30	6	#5	4'-0"	
v31	6	#5	8'-3"	
v32	84	#9	11'-3"	
v33	128	#5	3'-5"	
v34	58	#4	2'-6"	
v35	30	#4	1'-9"	
w30	4	#6	30'-4"	

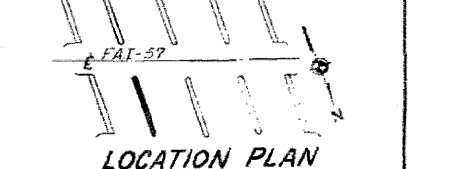
Class 1 Concrete Cu. Yd. 1234
Reinforcement Bars Lbs. 12316
Class 4 Excav. Per Sta. Cu. Yd. 154



NOTE:
 All edges shall have standard 3/4" chamfer except footing.

ILLINOIS DIVISION OF HIGHWAYS
 PIER NO. 1, NORTH BRIDGE
 FAI. RTE. 57 SEC. 46-2 HB
 KANKAKEE COUNTY
 STA. 311+37.70
 Added 4-22-11

DESIGNED VNS.	EXAMINED
CHECKED D.W.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN L.S. & J.L.C.	PASSED
CHECKED L.J.L.	APPROVED
	CHIEF HIGHWAY ENGINEER



FOR INFORMATION ONLY

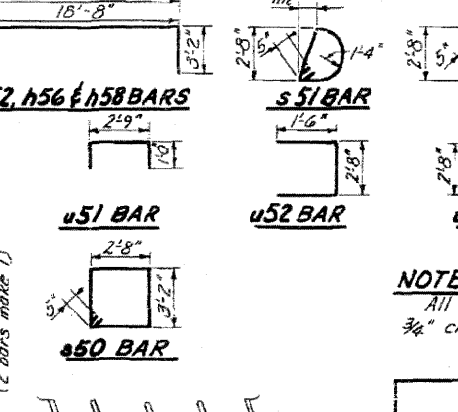
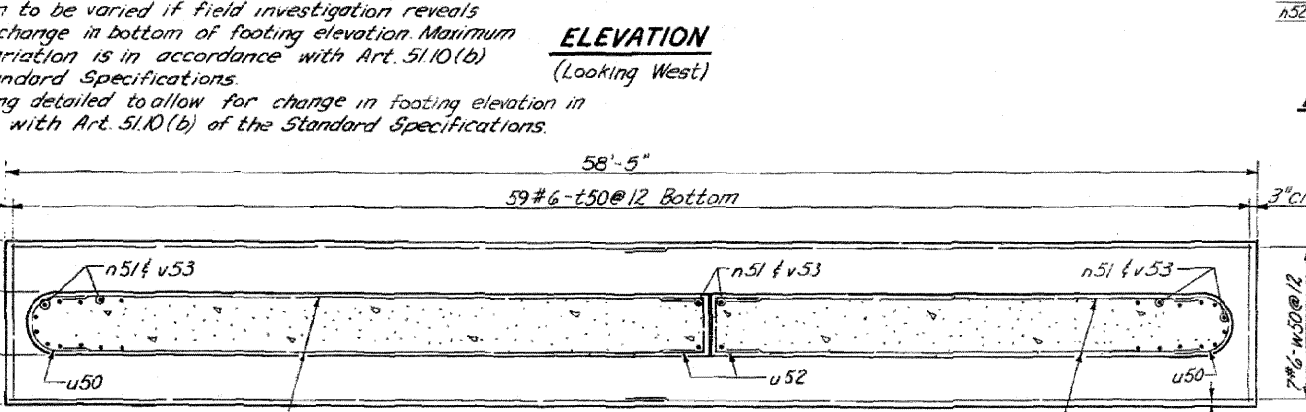
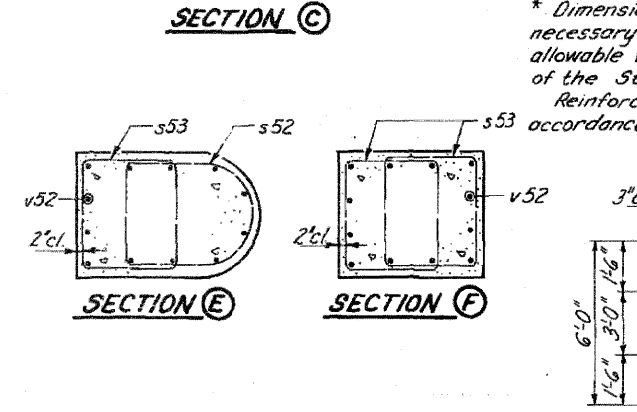
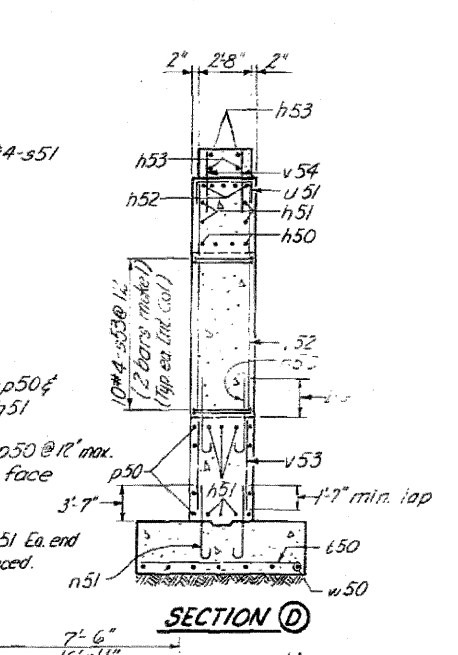
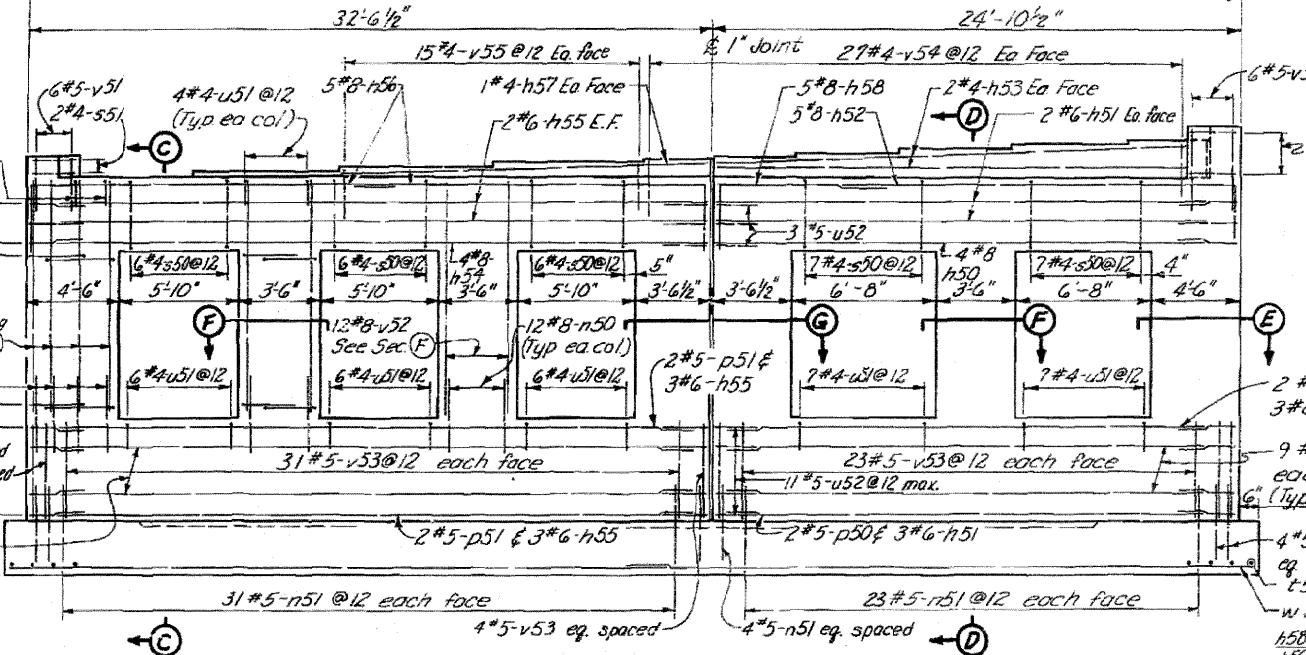
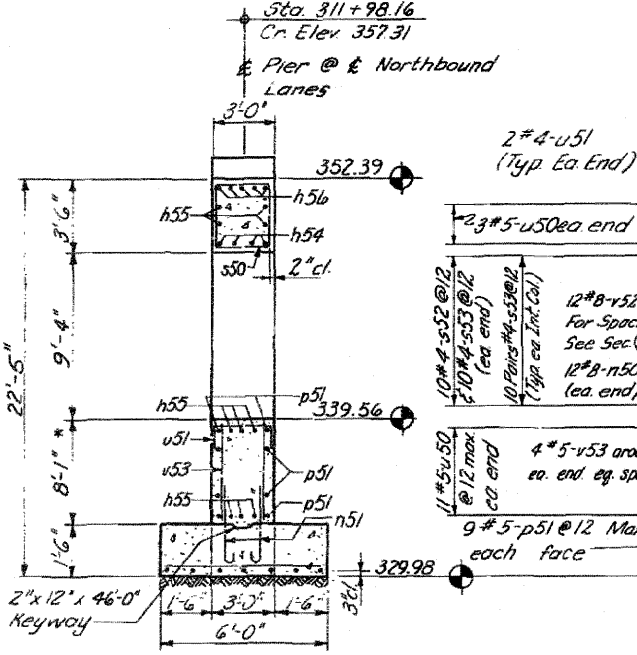
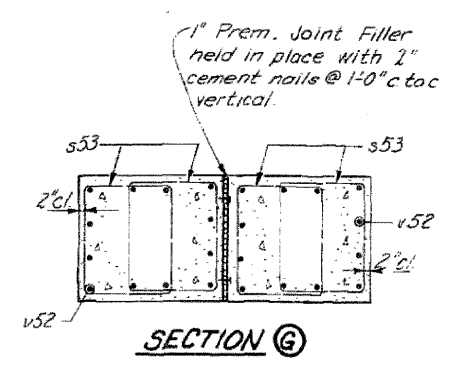
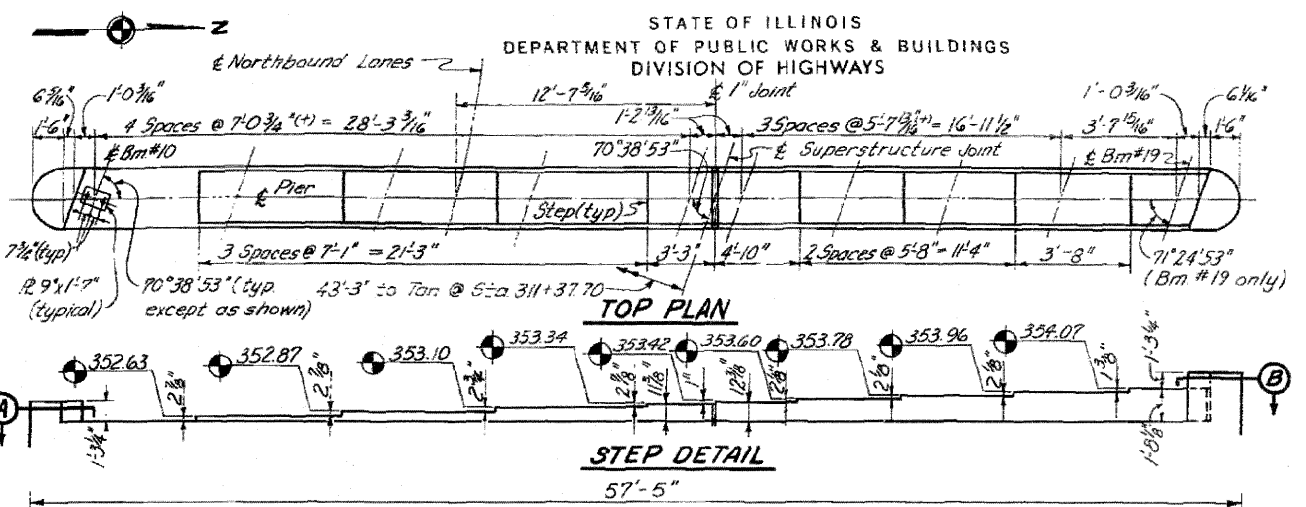
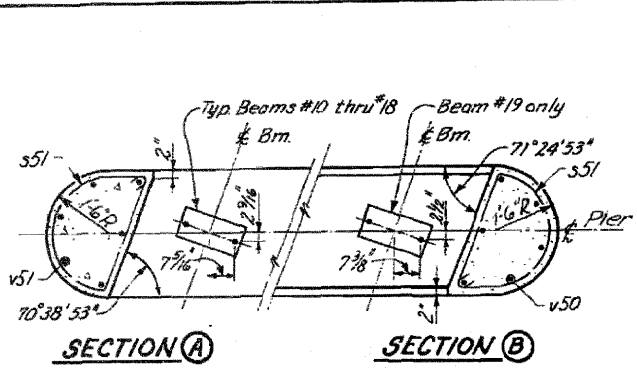
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2	KANKAKEE	46	29
STA.		TO STA.		
		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

SHT. 19
OF 29

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h50	4	#8	23'-0"	
h51	10	#6	23'-0"	
h52	5	#8	21'-10"	
h53	4	#4	23'-0"	
h54	4	#8	30'-9"	
h55	10	#6	30'-9"	
h56	10	#8	20'-1"	
h57	2	#4	17'-0"	
h58	5	#8	10'-8"	
n50	84	#8	5'-3"	
n51	124	#5	5'-3"	
p50	22	#5	23'-0"	
p51	22	#5	30'-9"	
s50	32	#4	12'-6"	
s51	6	#4	8'-10"	
s52	20	#4	11'-7"	
s53	120	#4	10'-6"	
t50	59	#6	5'-6"	
u50	28	#5	7'-3"	
u51	56	#4	4'-9"	
u52	28	#5	5'-8"	
v50	6	#5	4'-0"	
v51	6	#5	2'-3"	
v52	84	#8	12'-6"	
v53	124	#5	8'-0"	
v54	59	#4	2'-6"	
v55	30	#4	1'-9"	
w50	14	#6	29'-7"	
Class X Concrete	Cu. Yd.	124.2		
Reinforcement Bars	Lbs.	12,491		
Class A Excav for Struct.	Cu. Yd.	116		



NOTE:
All edges shall have standard 3/4" chamfer except footing.

DESIGNED VNS.
CHECKED D.V.
DRAWN J.L.C.
CHECKED L.J.L.

EXAMINED
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

FOOTING PLAN

LOCATION PLAN

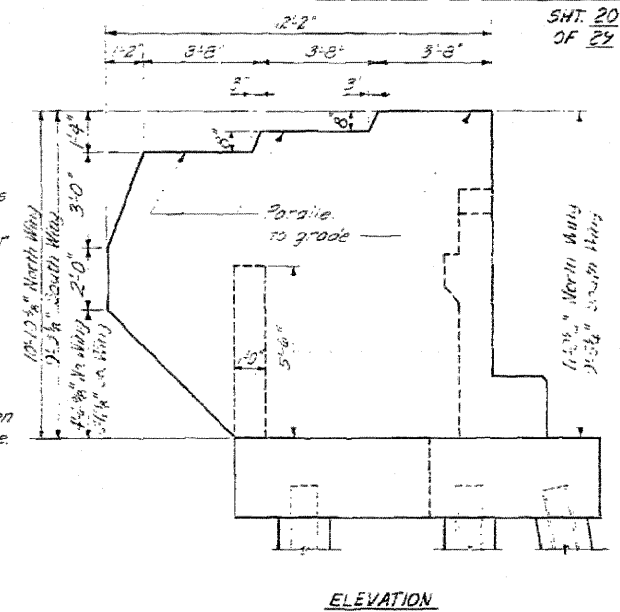
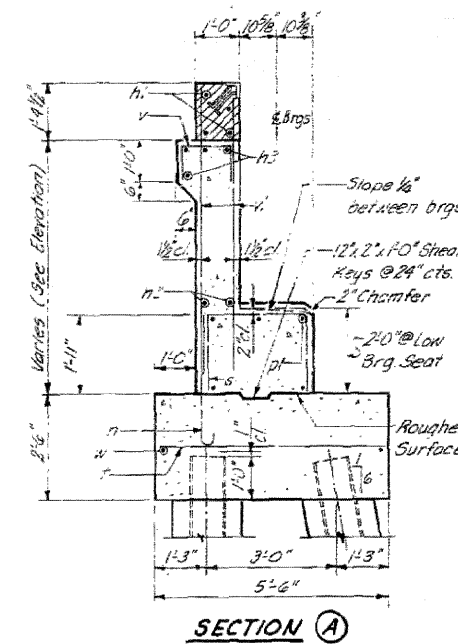
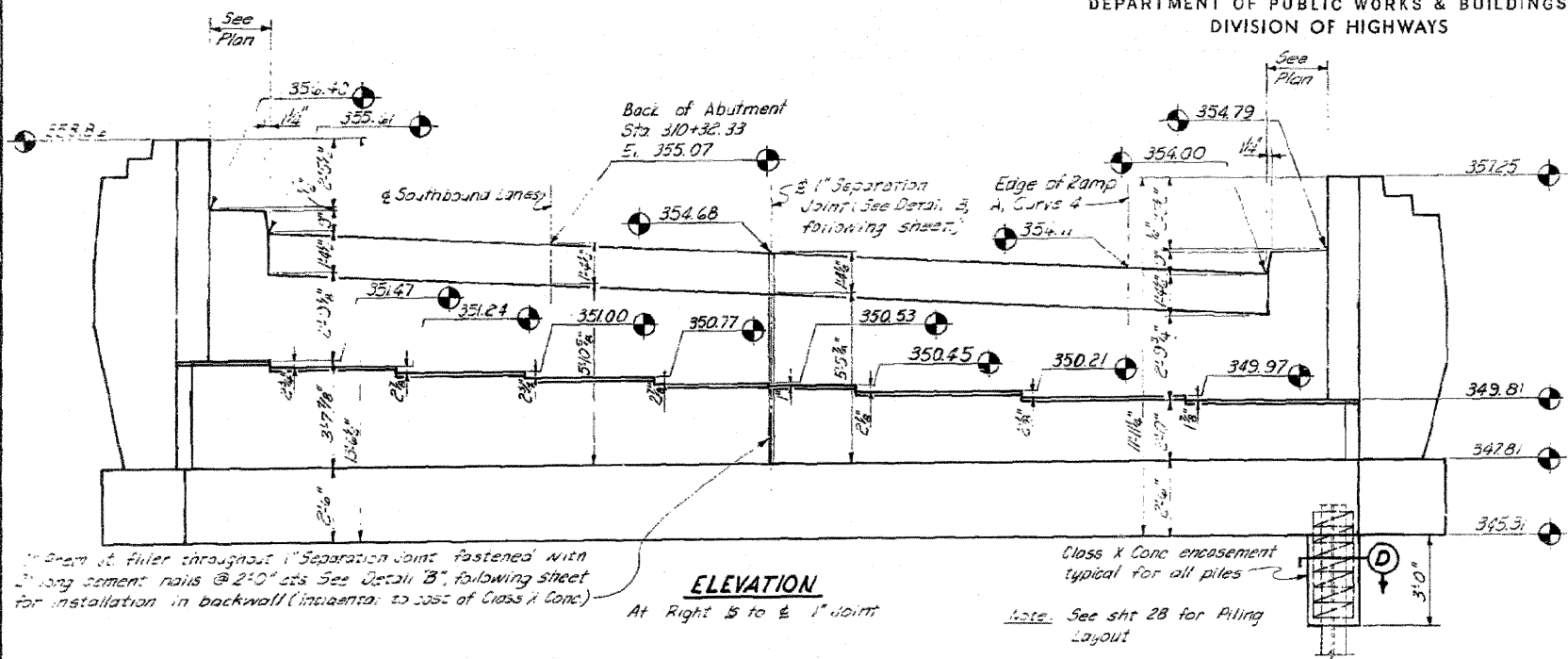
ILLINOIS DIVISION OF HIGHWAYS
PIER NO. 3, NORTH BRIDGE
FAI. RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311+37.70
Added 4-26-16

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROW'S NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2	KANKAKEE	46	30
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS' FED. AID PROJECT.				

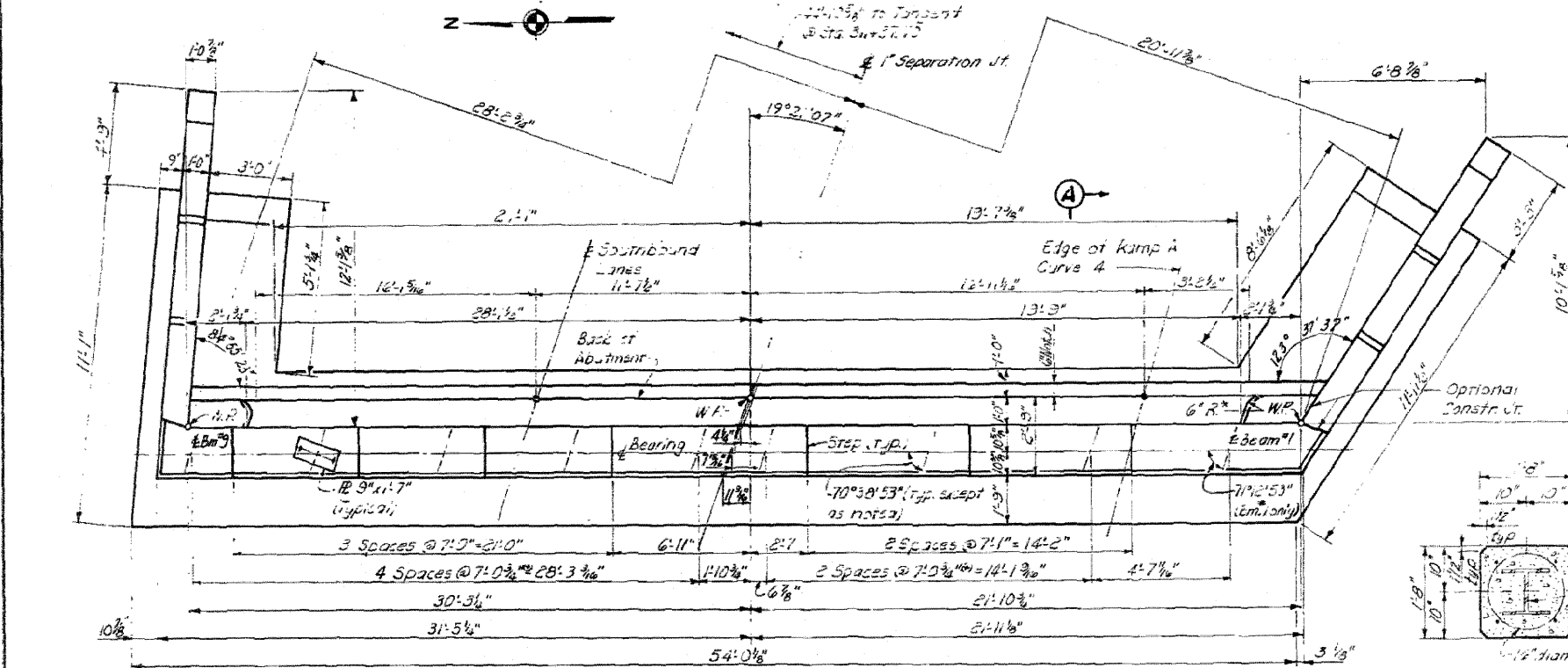
SHT. 20
OF 24



ELEVATION
At Right 5 to E 1" Joint

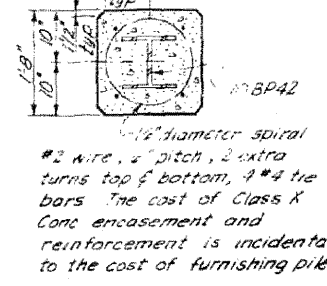
Class X Conc encasement typical for all piles

Note: See sht 28 for Piling Layout

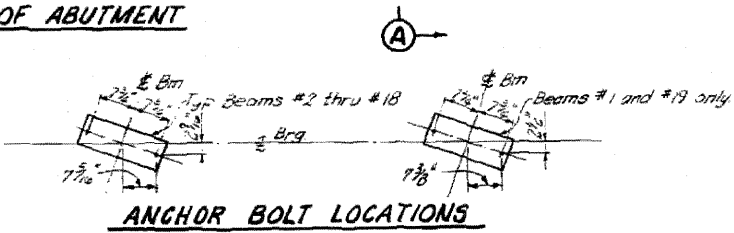


PLAN OF ABUTMENT

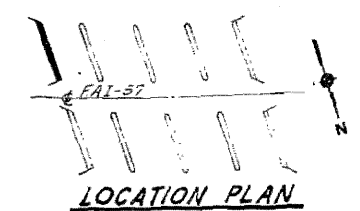
* CONTRACTOR SHALL CONSTRUCT CURB WITHOUT RADIUS WHEN A CURB & GUTTER ARE USED ON BRIDGE APPROACHES. (See ROAD PLANS)



SECTION D



ANCHOR BOLT LOCATIONS



LOCATION PLAN

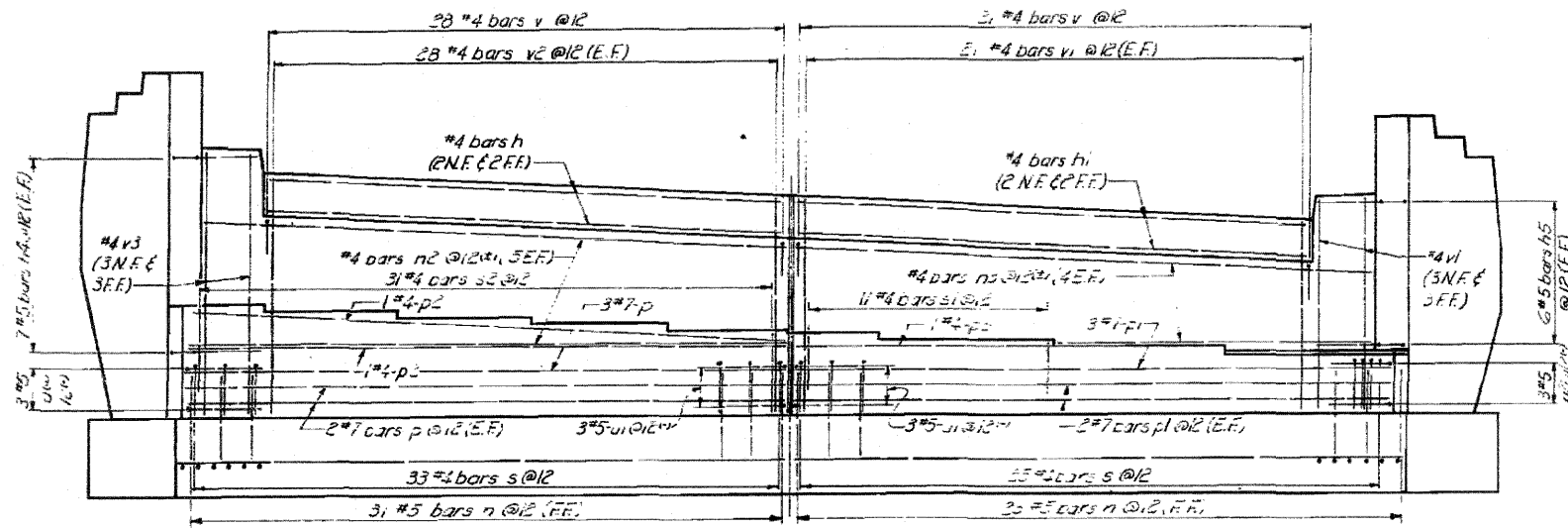
DESIGNED	WRT	EXAMINED	
CHECKED	LJL	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S.	PASSED	
CHECKED	WRT	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	

ILLINOIS DIVISION OF HIGHWAYS
SOUTH BRIDGE, EAST ABUTMENT
DIMENSIONS
FAI-RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311+37.70
Added 4-26-11

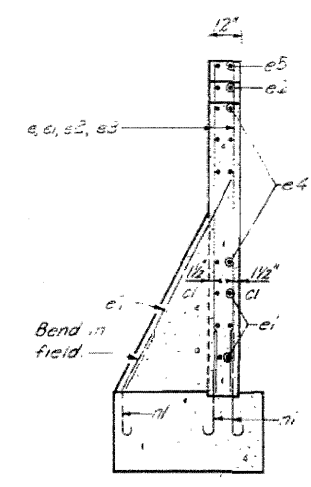
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

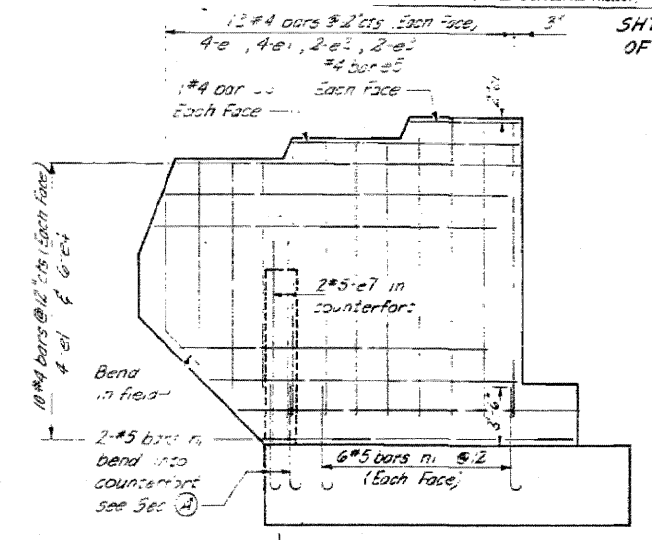
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAL-57	46-2	KANKAKEE	46	31
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS, FED. AID PROJECT.				



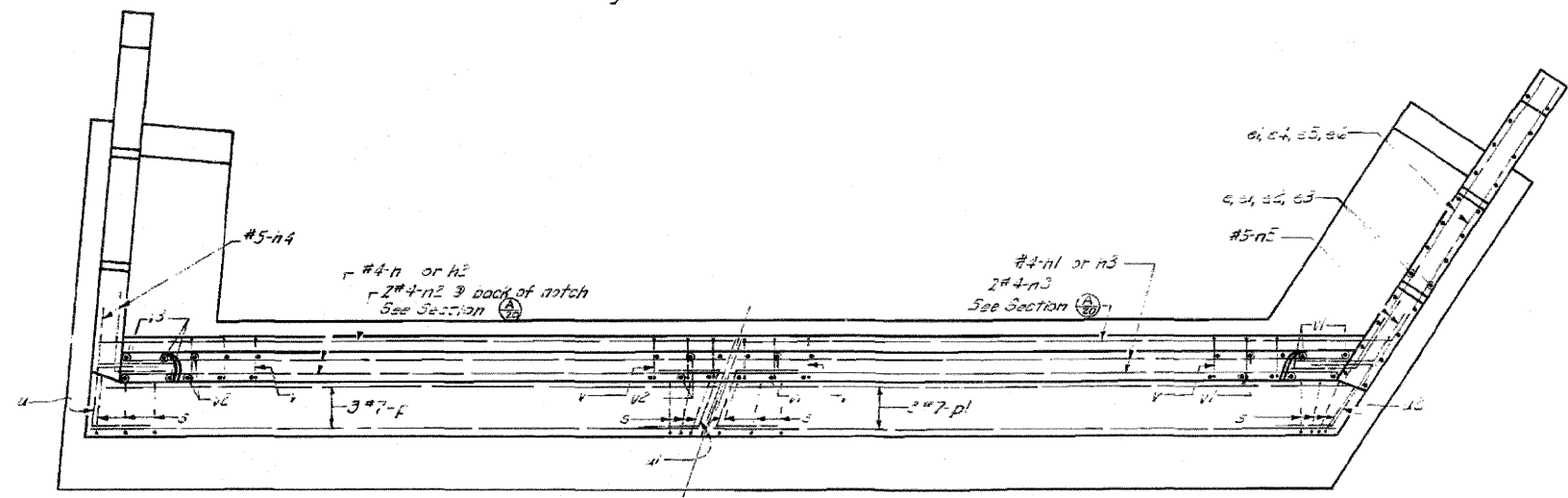
ELEVATION
At Right to 1/2" Joint



SECTION A

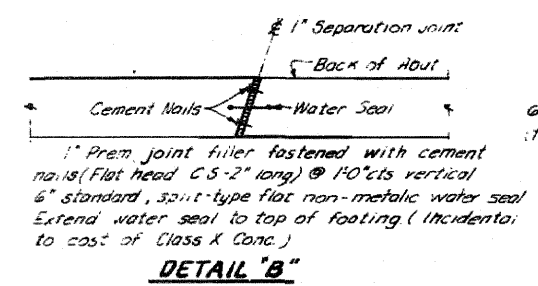


END POST ELEVATION

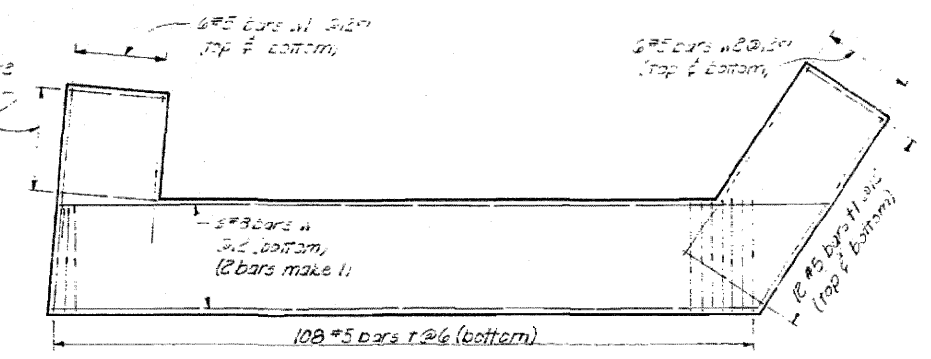


PLAN OF ABUTMENT

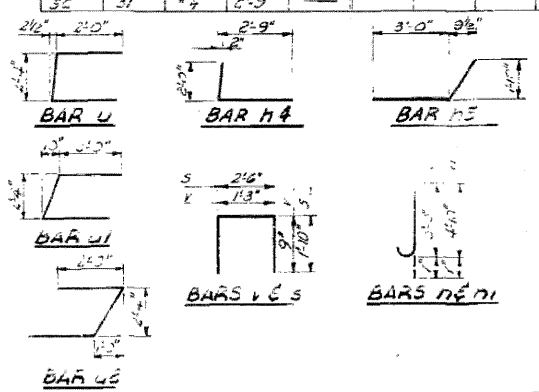
BAR LIST-ONE ABUTMENT					BAR LIST TWO END POSTS				
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
n	4	#4	27'-0"	—	e	13	#4	9'-3"	—
n1	4	#4	19'-10"	—	e1	32	#4	8'-6"	—
n2	12	#4	29'-8"	—	e2	8	#4	6'-6"	—
n3	12	#4	22'-0"	—	e3	8	#4	5'-0"	—
n4	14	#4	21'-3"	—	e4	24	#4	10'-6"	—
n5	12	#5	21'-0"	—	e5	4	#4	3'-6"	—
					e6	4	#5	7'-0"	—
					e7	4	#5	6'-6"	—
					e8	4	#5	6'-6"	—
					e9	4	#5	6'-6"	—
					e10	4	#5	6'-6"	—
					e11	4	#5	6'-6"	—
					e12	4	#5	6'-6"	—
					e13	4	#5	6'-6"	—
					e14	4	#5	6'-6"	—
					e15	4	#5	6'-6"	—
					e16	4	#5	6'-6"	—
					e17	4	#5	6'-6"	—
					e18	4	#5	6'-6"	—
					e19	4	#5	6'-6"	—
					e20	4	#5	6'-6"	—
					e21	4	#5	6'-6"	—
					e22	4	#5	6'-6"	—
					e23	4	#5	6'-6"	—
					e24	4	#5	6'-6"	—
					e25	4	#5	6'-6"	—
					e26	4	#5	6'-6"	—
					e27	4	#5	6'-6"	—
					e28	4	#5	6'-6"	—
					e29	4	#5	6'-6"	—
					e30	4	#5	6'-6"	—
					e31	4	#5	6'-6"	—
					e32	4	#5	6'-6"	—
					e33	4	#5	6'-6"	—
					e34	4	#5	6'-6"	—
					e35	4	#5	6'-6"	—
					e36	4	#5	6'-6"	—
					e37	4	#5	6'-6"	—
					e38	4	#5	6'-6"	—
					e39	4	#5	6'-6"	—
					e40	4	#5	6'-6"	—
					e41	4	#5	6'-6"	—
					e42	4	#5	6'-6"	—
					e43	4	#5	6'-6"	—
					e44	4	#5	6'-6"	—
					e45	4	#5	6'-6"	—
					e46	4	#5	6'-6"	—
					e47	4	#5	6'-6"	—
					e48	4	#5	6'-6"	—
					e49	4	#5	6'-6"	—
					e50	4	#5	6'-6"	—
					e51	4	#5	6'-6"	—
					e52	4	#5	6'-6"	—
					e53	4	#5	6'-6"	—
					e54	4	#5	6'-6"	—
					e55	4	#5	6'-6"	—
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					e76	4	#5	6'-6"	—
					e77	4	#5	6'-6"	—
					e78	4	#5	6'-6"	—
					e79	4	#5	6'-6"	—
					e80	4	#5	6'-6"	—
					e81	4	#5	6'-6"	—
					e82	4	#5	6'-6"	—
					e83	4	#5	6'-6"	—
					e84	4	#5	6'-6"	—
					e85	4	#5	6'-6"	—
					e86	4	#5	6'-6"	—
					e87	4	#5	6'-6"	—
					e88	4	#5	6'-6"	—
					e89	4	#5	6'-6"	—
					e90	4	#5	6'-6"	—
					e91	4	#5	6'-6"	—
					e92	4	#5	6'-6"	—
					e93	4	#5	6'-6"	—
					e94	4	#5	6'-6"	—
					e95	4	#5	6'-6"	—
					e96	4	#5	6'-6"	—
					e97	4	#5	6'-6"	—
					e98	4	#5	6'-6"	—
					e99	4	#5	6'-6"	—
					e100	4	#5	6'-6"	—



DETAIL 'B'



FOOTING PLAN



BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	cu. yds	2,186.8
Reinforcement Bars	lbs	5,220
Steel Piles (SBPA2)	lin. ft	420

ILLINOIS DIVISION OF HIGHWAYS
SOUTH BRIDGE, EAST ABUTMENT REINFORCEMENT
FAJ-RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311+37.70

FOR INFORMATION ONLY

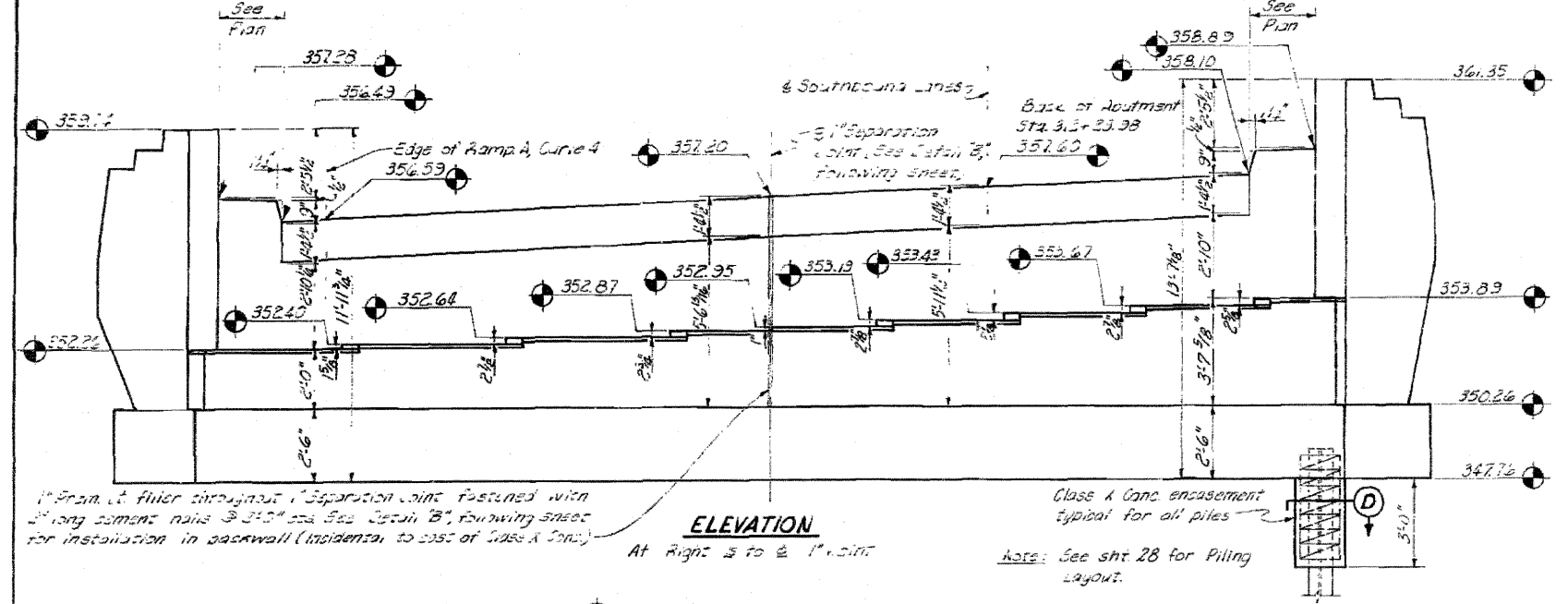
Added 4-26-11

DESIGNED	WRT.	EXAMINED	
CHECKED	L.S.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S.	PASSED	
CHECKED	WRT.	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2 HB	KANKAKEE	46	32
STA.	TO STA.			
ILL. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

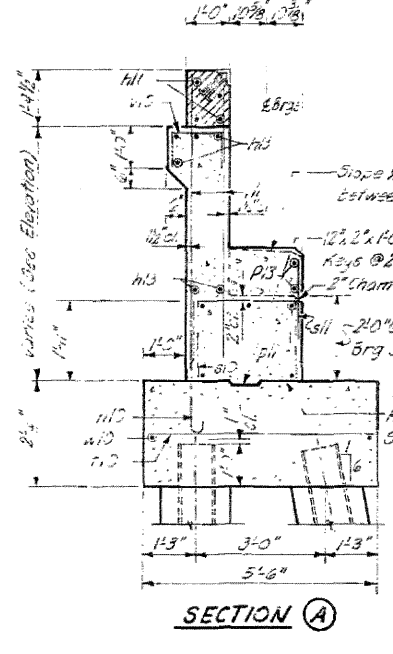
SHT. 22
OF 29



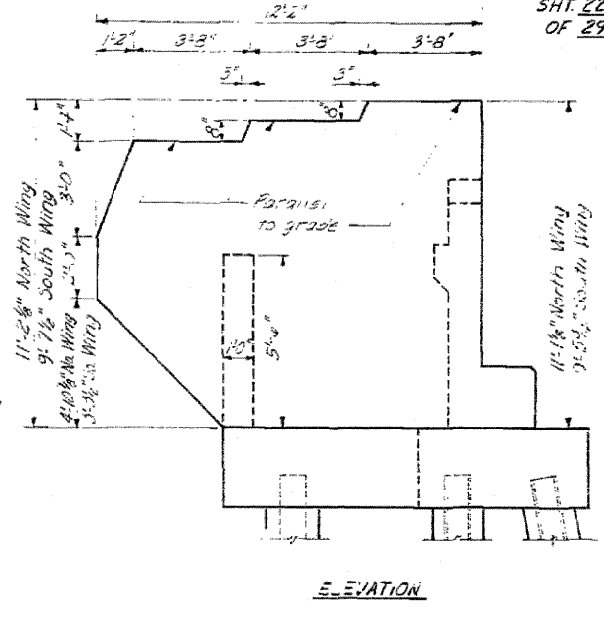
1" beam at filter throughout separation joint fastened with 2" long cement nails @ 3'-0" see detail B, following specs for installation in backwall (incidental to cost of class A conc.)

ELEVATION

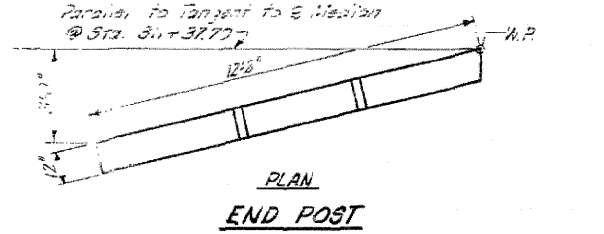
Class A Conc. encasement typical for all piles
Note: See sht 28 for Piling layout.



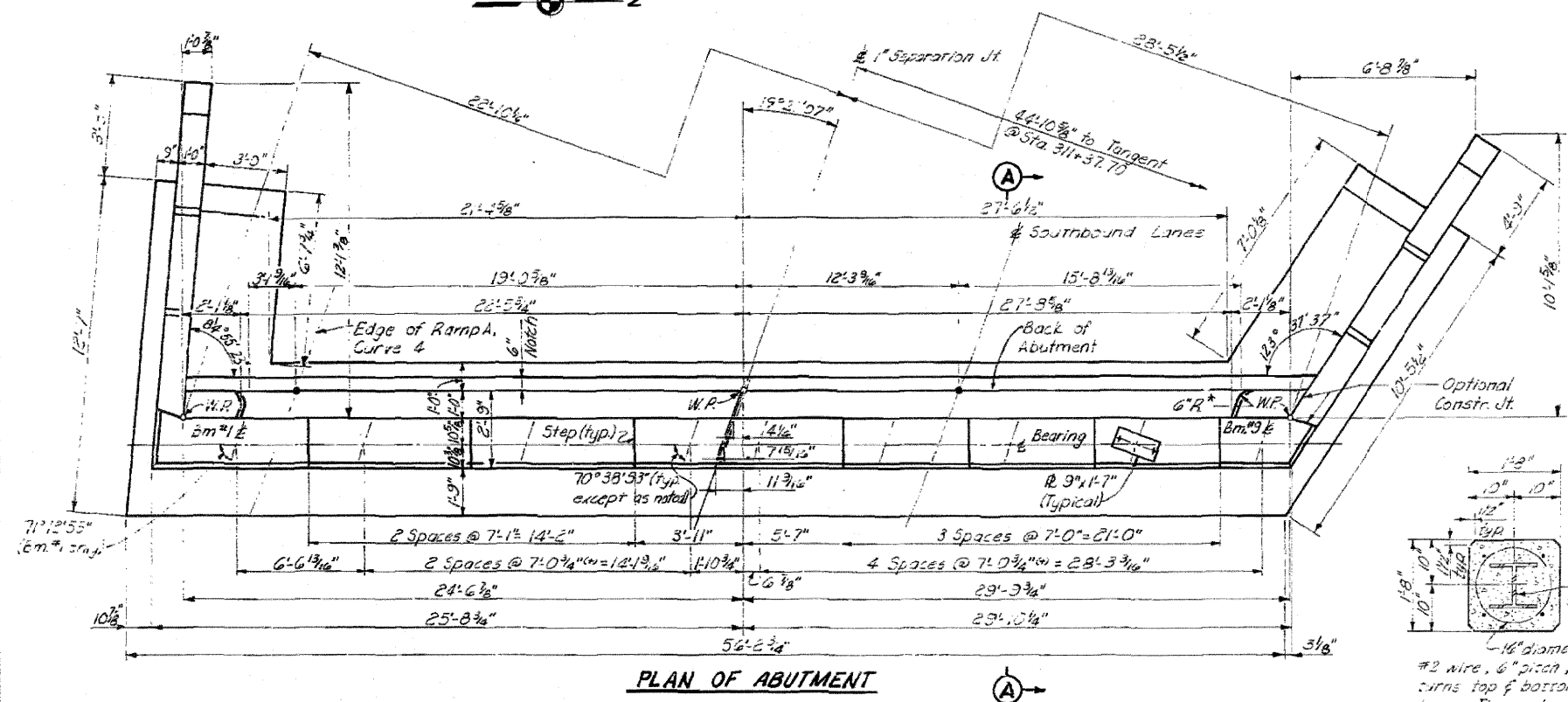
SECTION A



ELEVATION

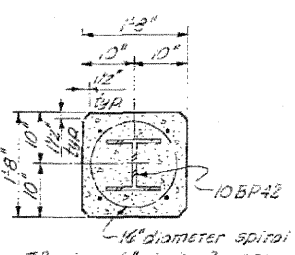


PLAN END POST



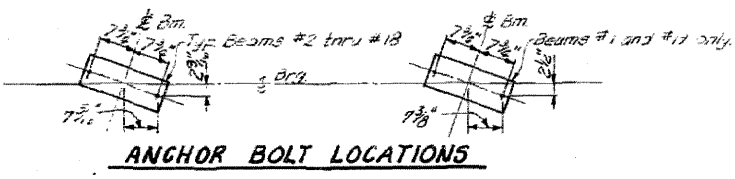
PLAN OF ABUTMENT

* See Note, Sht. 22.



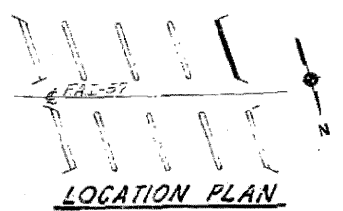
1/4" diameter spiral #2 wire, 6" pitch, 2 extra turns top & bottom, 4 #4 tie bars. The cost of Class X Conc. encasement and reinforcement is incidental to the cost of furnishing piles.

SECTION D



ANCHOR BOLT LOCATIONS

FOR INFORMATION ONLY



LOCATION PLAN

DESIGNED	WRT	EXAMINED	
CHECKED	LJL	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S.	PASSED	
CHECKED	WRT	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	

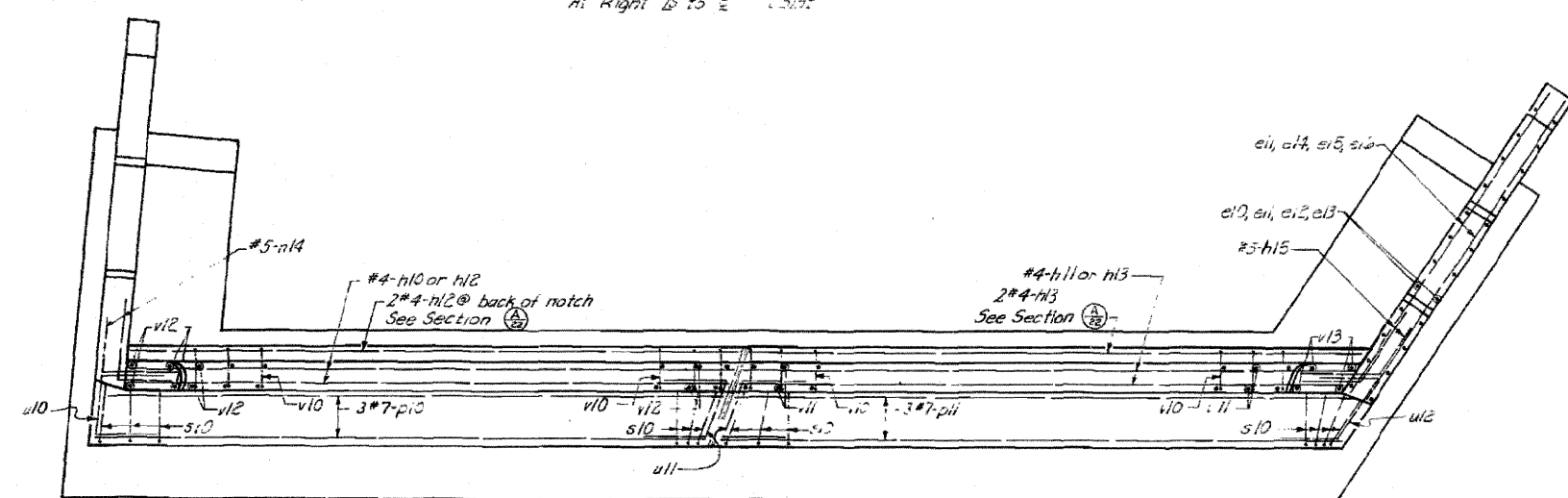
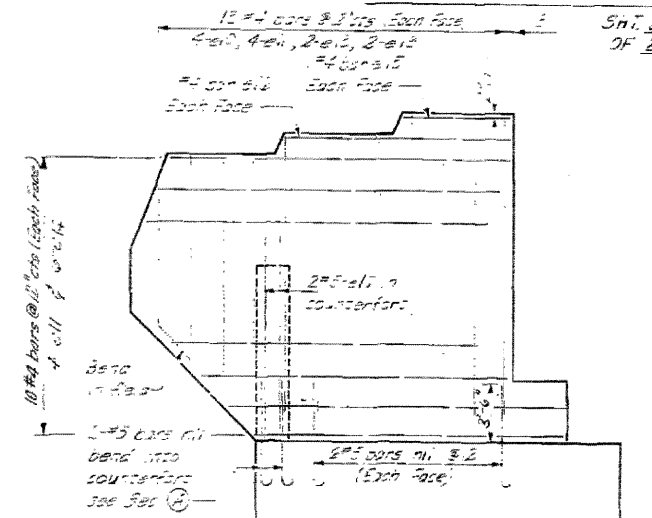
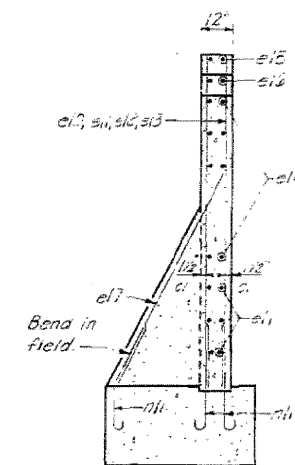
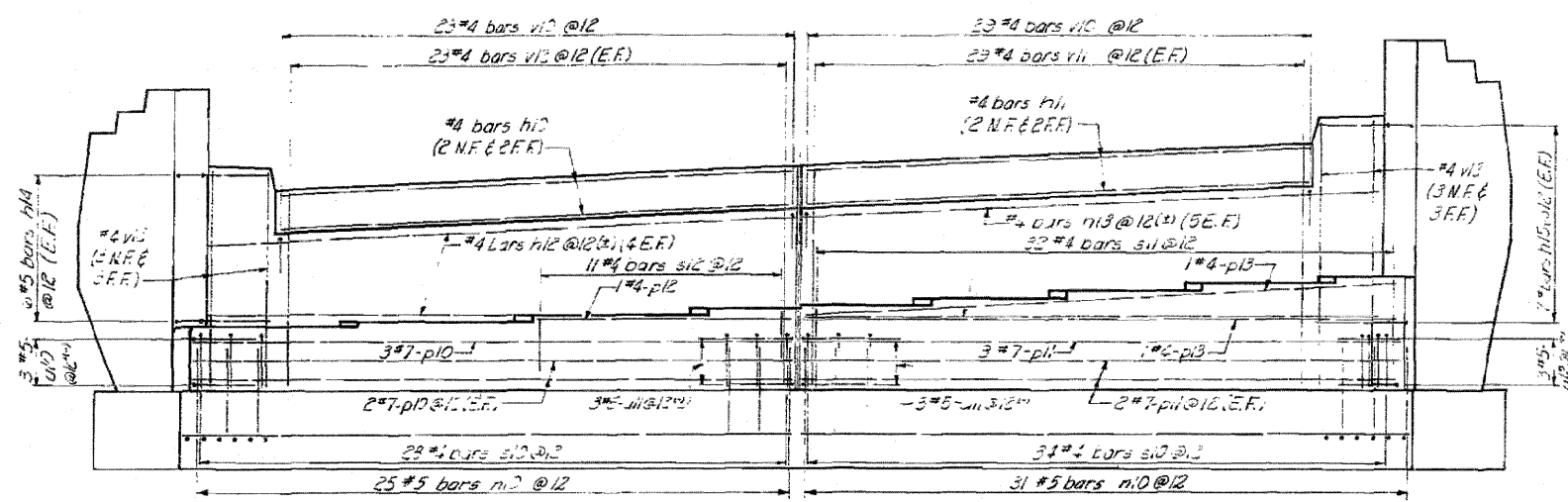
ILLINOIS DIVISION OF HIGHWAYS
SOUTH BRIDGE, WEST ABUTMENT DIMENSIONS
FAI-RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311+37.70

Added 4-26-11

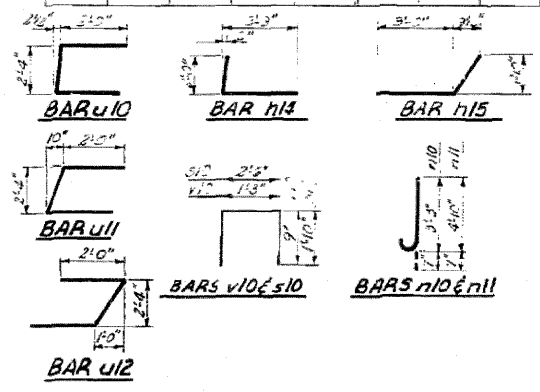
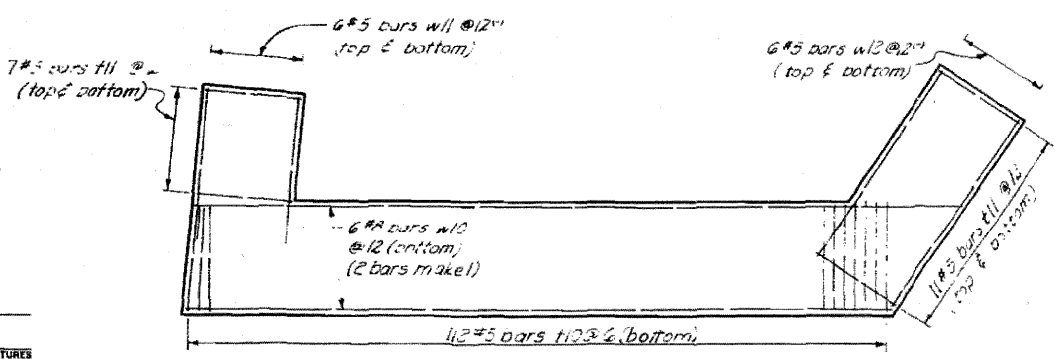
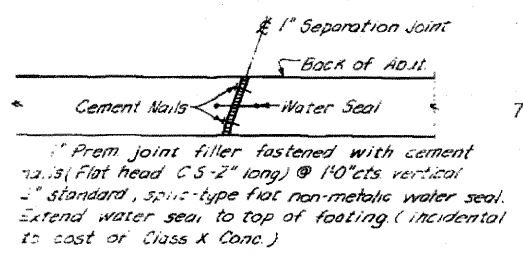
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

POLY. NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAL-57	46-2	KANKAKEE	46	33

STA. TO STA. TO STA.
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT



BAR LIST-ONE ABUTMENT					BAR LIST-TWO END POSTS				
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
n10	2	#1	31.3"		n10	13	#2	3.5"	
n11	1	#1	27.3"		n11	33	#2	2.2"	
n12	10	#1	34.0"		n12	8	#2	4.0"	
n13	12	#2	30.0"		n13	2	#2	5.0"	
n14	12	#5	4.3"	L	n14	26	#2	3.0"	
n15	12	#5	5.0"		n15	4	#2	1.2"	
					n16	4	#5	1.2"	
					n17	2	#5	3.4"	
					n18	2	#5	6.7"	
					n19	2	#4	2.9"	
					n20	2	#4	6.3"	
					n21	2	#4	5.0"	
					n22	2	#4	7.2"	
					n23	2	#4	3.0"	
					n24	2	#4	3.0"	
					n25	2	#4	3.0"	
					n26	2	#4	3.0"	
					n27	2	#4	3.0"	
					n28	2	#4	3.0"	
					n29	2	#4	3.0"	
					n30	2	#4	3.0"	
					n31	2	#4	3.0"	
					n32	2	#4	3.0"	
					n33	2	#4	3.0"	
					n34	2	#4	3.0"	
					n35	2	#4	3.0"	



BILL OF MATERIAL

Item	Quantity	Unit
Class X Concrete	1383	cuyd
Reinforcement Bars	288	lbs
Steel Pipes (36" dia)	1	ft
Tool Pins (1/2" dia)	1	ft

ILLINOIS DIVISION OF HIGHWAYS
SOUTH BRIDGE, WEST ABUTMENT
REINFORCEMENT
FAL-RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311+37.70

DESIGNED	WRT	EXAMINED	_____
CHECKED	L.J.L.	PASSED	_____
DRAWN	L.S.	APPROVED	_____
CHECKED	WRT		_____

ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER

FOR INFORMATION ONLY | Added 4-26-11

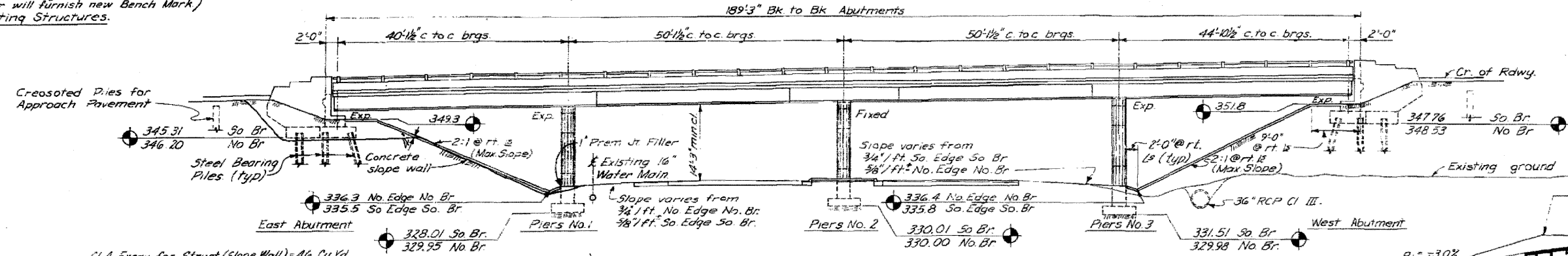
BENCH MARK DATA:

B.M. #7 - R.R. Spk in N. Side 10' Oak
 42' Rt of Existing F.A. Rt. 26 @
 Sta. 1306+42, Elev. 333.67
 (Destroyed during Stage I Construction)
 (Engineer will furnish new Bench Mark)
 No Existing Structures.

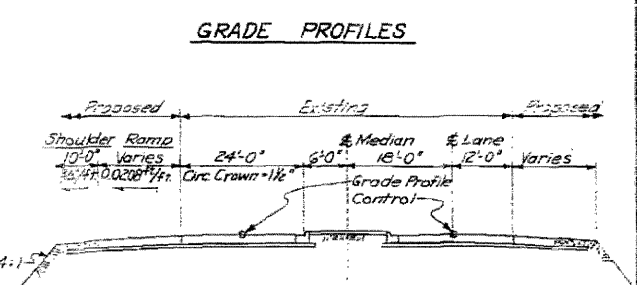
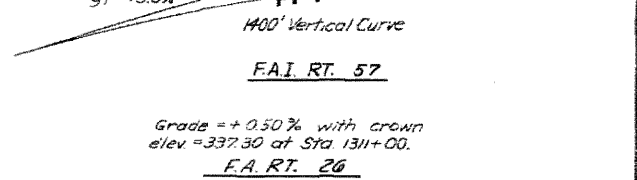
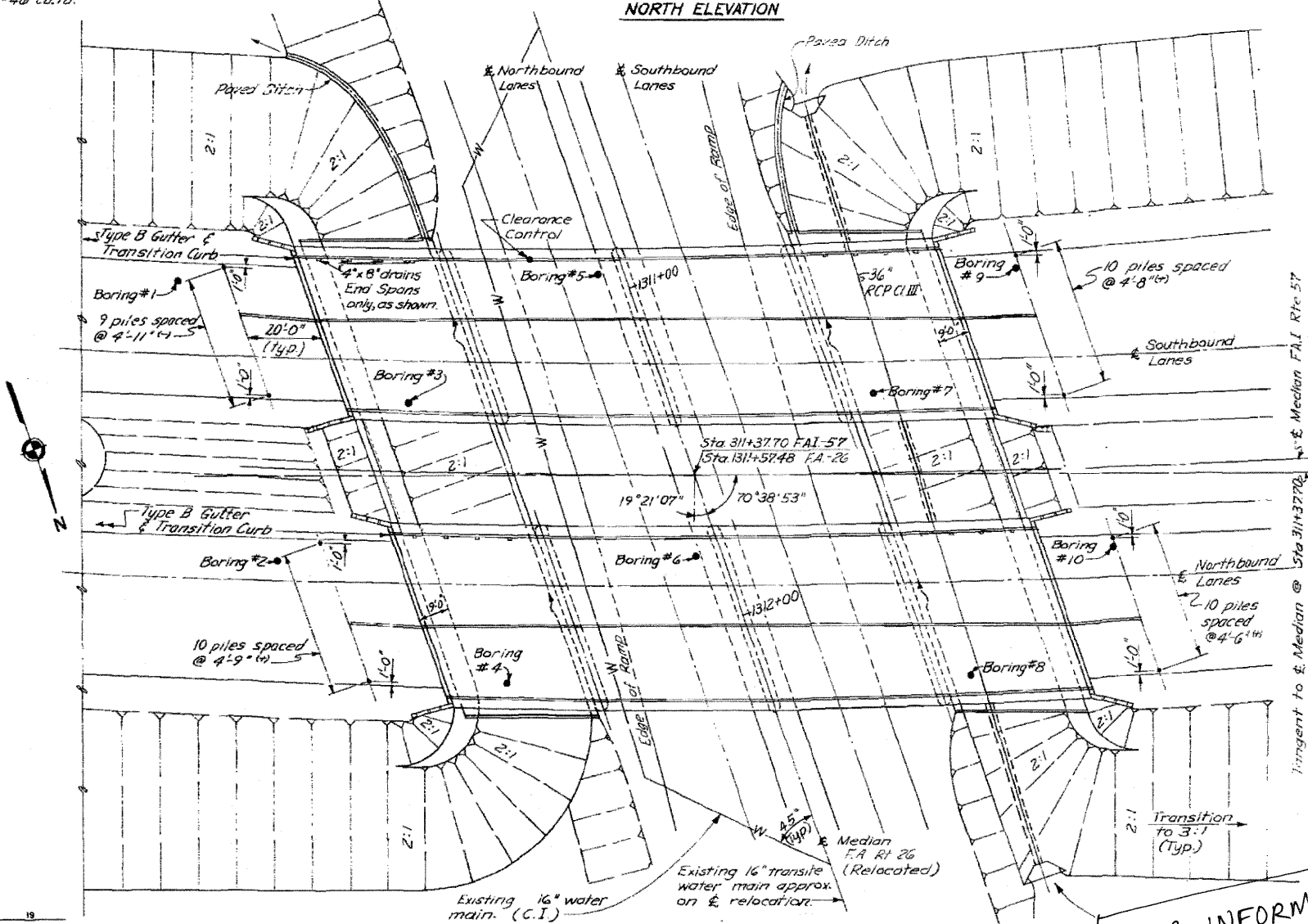
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. - 57	46-2	KANKAKEE	46	12
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			

SHT. 2
 OF 29



APPROACH SLAB PILING
 Type: Creosoted Timber
 Capacity: 15 Tons
 Spacing: See General Layout, this sheet.
 Total No. Req'd: 39
 Estimated Lengths: 25'



HORIZONTAL CURVE DATA - F.A.I. RT. 57

P.I. = Sta. 300+42.50
 Δ = 59° 17' 30"
 D = 2° 00'
 R = 2864.93'
 T = 1630.54'
 L = 2964.58'
 E = 431.39'
 Superelev = 0.03 ft./ft.

BILL OF MATERIAL

Item	Unit	Quantity
Slope Wall (4')	Sq. Yds	1.437
Creosoted Piles (20' x 38')	Lin. Ft.	975
Class A Excavation	Cu. Yds	46

ILLINOIS DIVISION OF HIGHWAYS
 ELEVATION AND GENERAL LAYOUT
 F.A.I. RTE. 57 SEC. 46-2 HB
 KANKAKEE COUNTY
 STA. 311 + 37.70

FOR INFORMATION ONLY

DESIGNED	L.J.L.	EXAMINED	
CHECKED	K.J.H.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S.	PASSED	
CHECKED	L.J.L.	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	

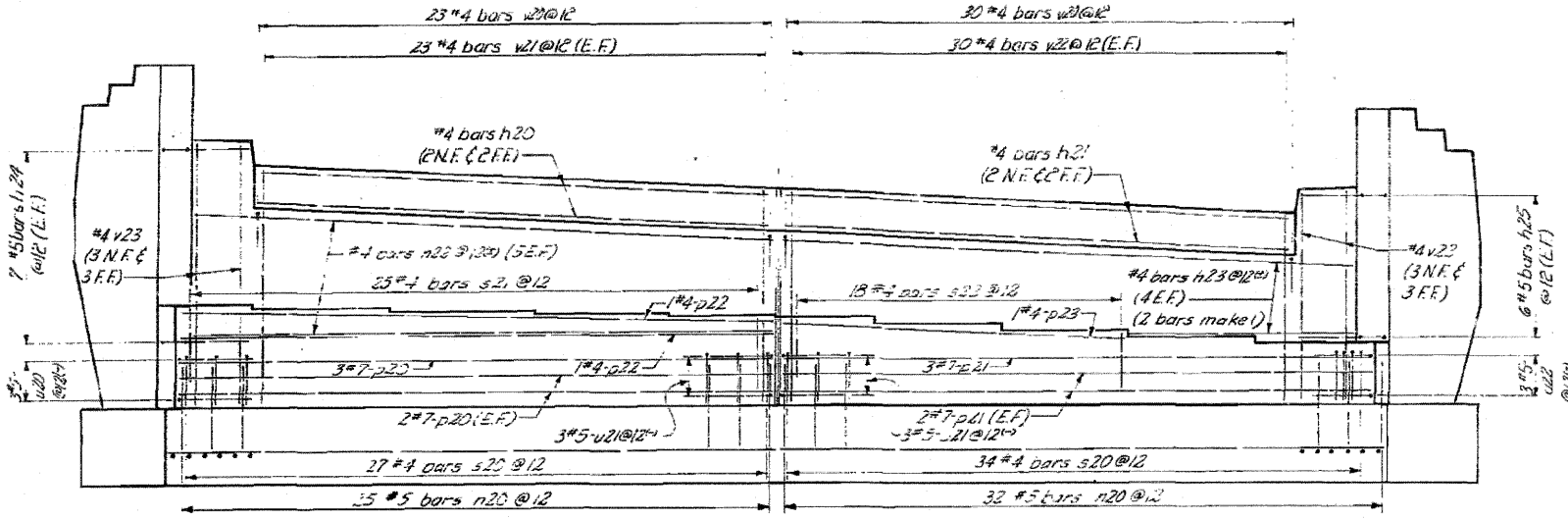
GENERAL LAYOUT
 Note: See following sheet for Stations & Elevations

Added 4-26-11

Revised Slope wall between abutments & raised slope wall quantity from 1262 sq ft to 1437 sq ft 1-28-63 L.A.W.
 Revised approach pile length from 55' to 52' & quantity from 1365 to 975 lin ft.

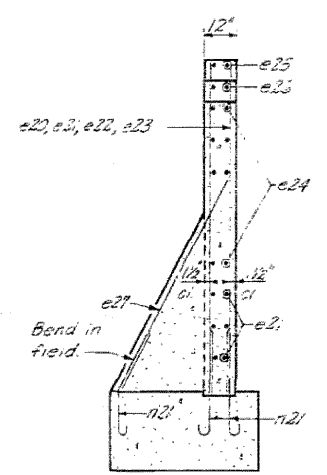
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTA. SHEETS	SHEET NO.
EA. 57	46-2	KANKAKEE	46	35
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS SEC. 2 PROJECT				

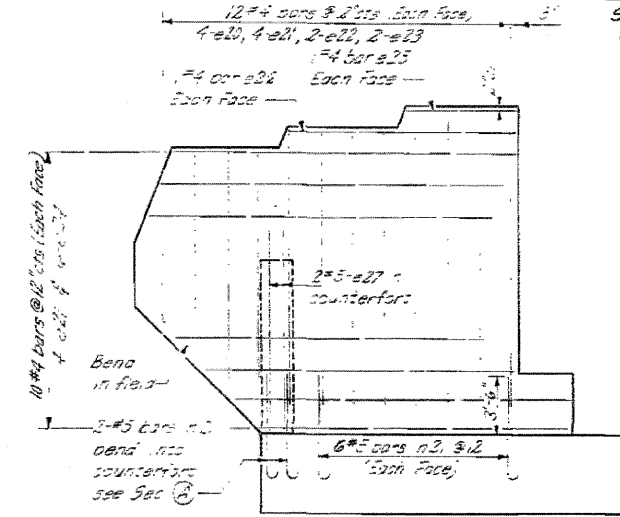


ELEVATION

At Right to & to E. Joint

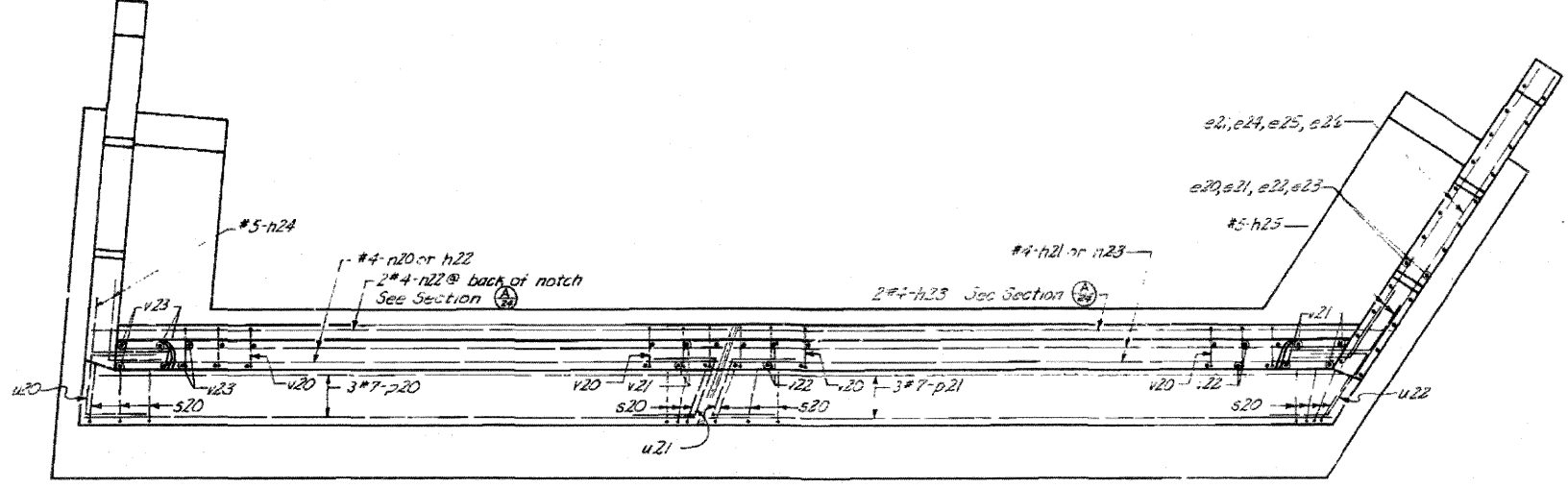


SECTION A

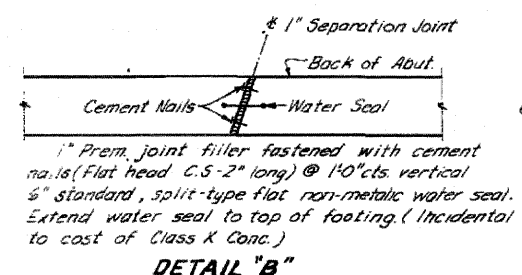


END POST ELEVATION

SHT 25 OF 29

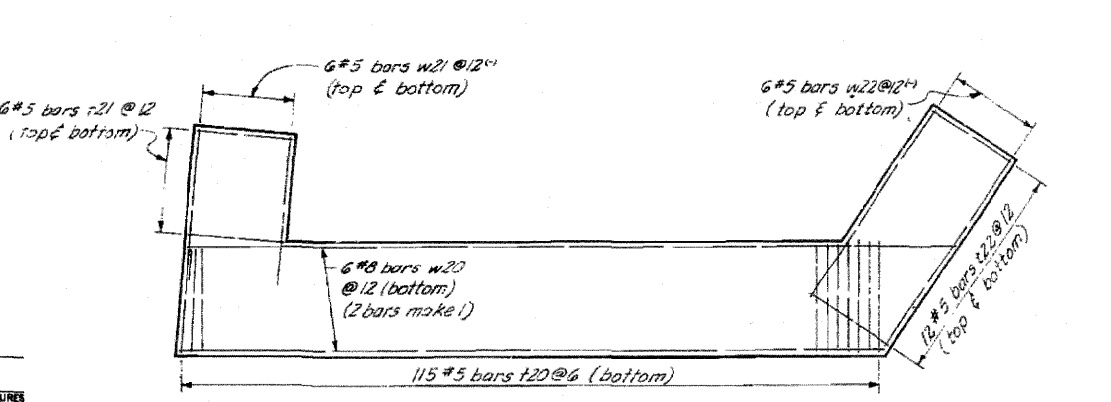


PLAN OF ABUTMENT



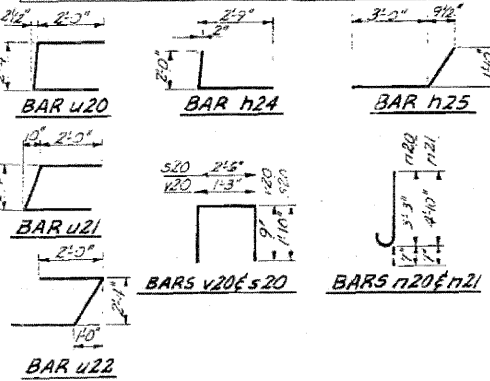
DETAIL "B"

1" Prem. joint filler fastened with cement nails (Flat head C.S.-2" long) @ 10" cts. vertical
 1/2" standard, split-type flat non-metallic water seal.
 Extend water seal to top of footing. (Incidental to cost of Class K Conc.)



FOOTING PLAN

BAR LIST - ONE ABUTMENT										BAR LIST - TWO END POSTS									
Bar	No.	Size	Length	Shape	Qty.	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape				
h20	4	#4	21'-9"			e20	13	#4	2'-8"		e26	2	#4	2'-5"					
h21	4	#4	28'-9"			e21	33	#4	2'-5"		e27	8	#4	5'-0"					
h22	10	#4	24'-0"			e22	8	#4	5'-0"		e28	24	#4	10'-2"					
h23	16	#4	16'-0"		20	e23	8	#4	5'-0"		e29	4	#4	3'-8"					
h24	14	#4	4'-9"		21	e24	24	#4	10'-2"		e30	4	#4	2'-3"					
h25	12	#4	5'-0"			e25	2	#4	2'-5"		e31	2	#4	2'-5"					
						e26	2	#4	2'-5"		e32	2	#4	2'-5"					
						e27	4	#5	7'-0"										
						n20	3	#5	4'-0"										
						s21	4	#5	8'-0"										
						s22	3	#5	8'-7"										
						v20	53	#4	2'-3"										
						v21	43	#4	6'-5"										
						p20	7	#7	24'-7"										
						p21	7	#7	31'-6"										
						p22	2	#4	24'-6"										
						p23	1	#4	17'-3"										
						w20	12	#8	3'-0"										
						w21	12	#5	7'-9"										
						w22	12	#5	11'-5"										



BILL OF MATERIAL		
Item	Qty.	Unit
Class K Concrete	2,105	CY
Reinforcement Bars	405	WT
Steel Piles (108P42)	108	FT
Test Pile (128P12)	1	EA

ILLINOIS DIVISION OF HIGHWAYS
NORTH BRIDGE, EAST ABUTMENT
REINFORCEMENT
 EA. 57 - RTE. 57 SEC. 46-2 HB
 KANKAKEE COUNTY
 STA. 311 + 37.70
 Added 4-26-11

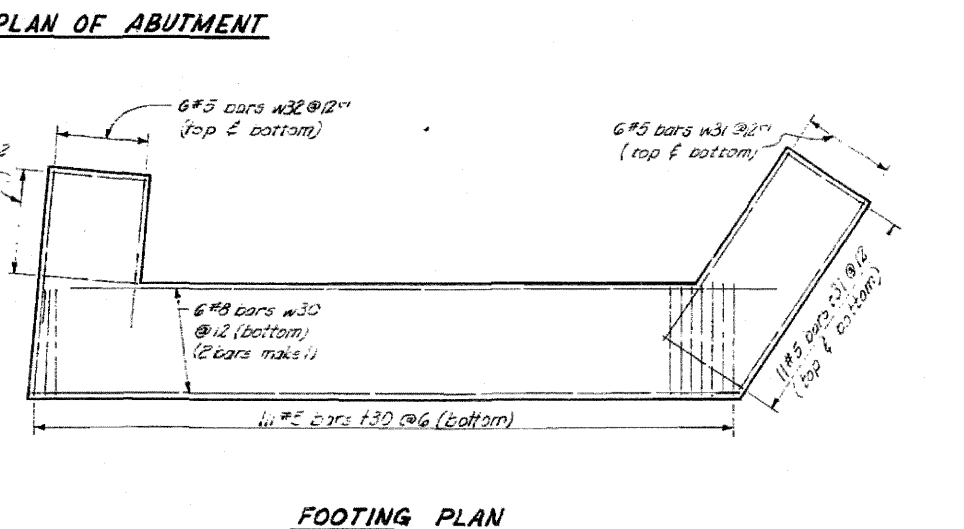
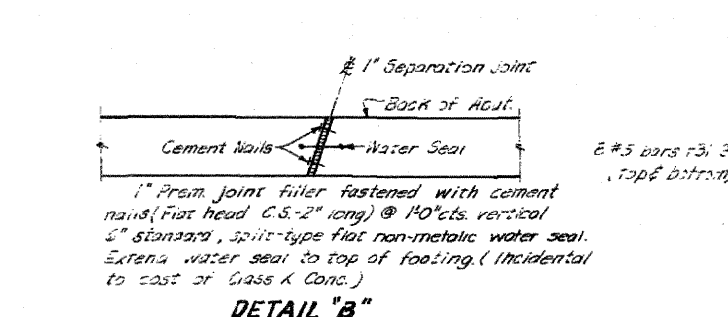
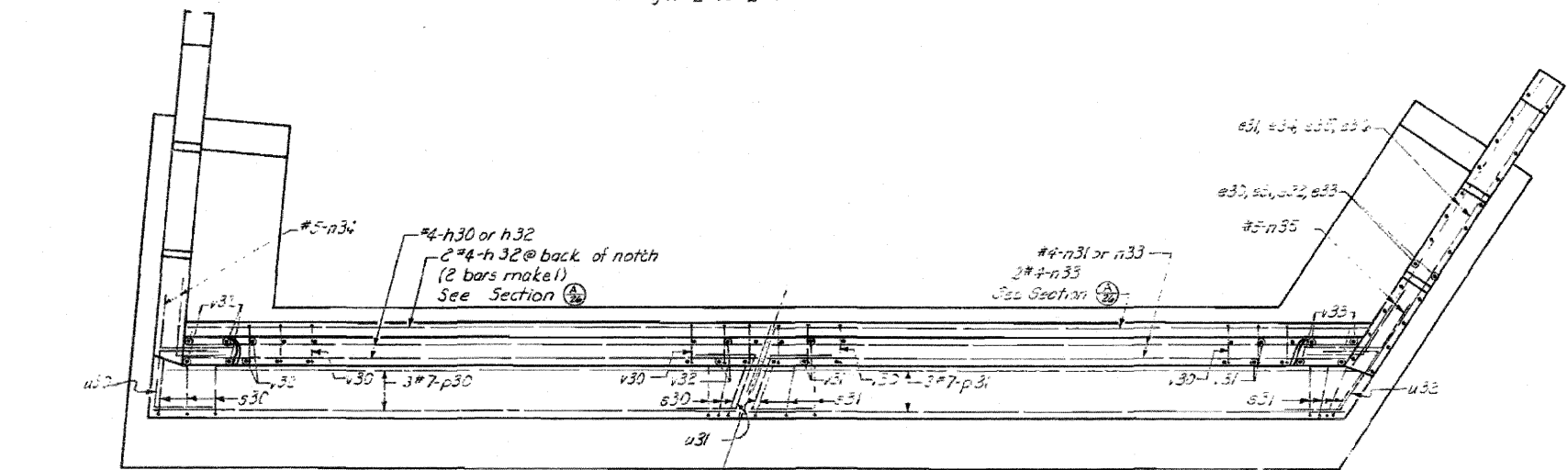
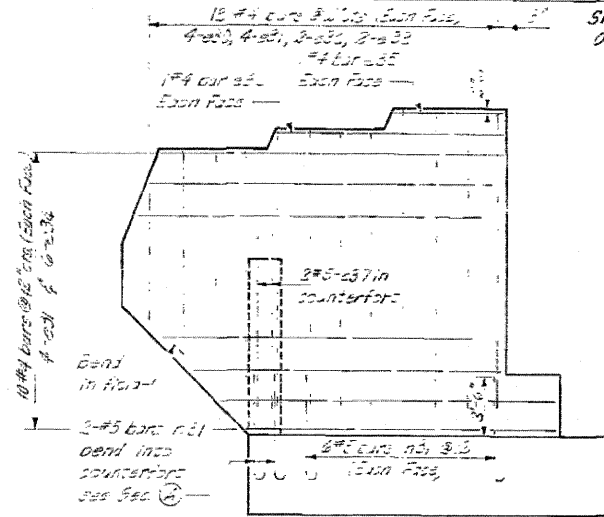
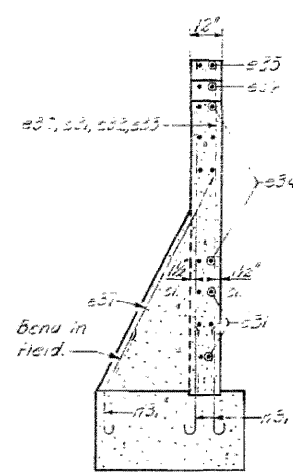
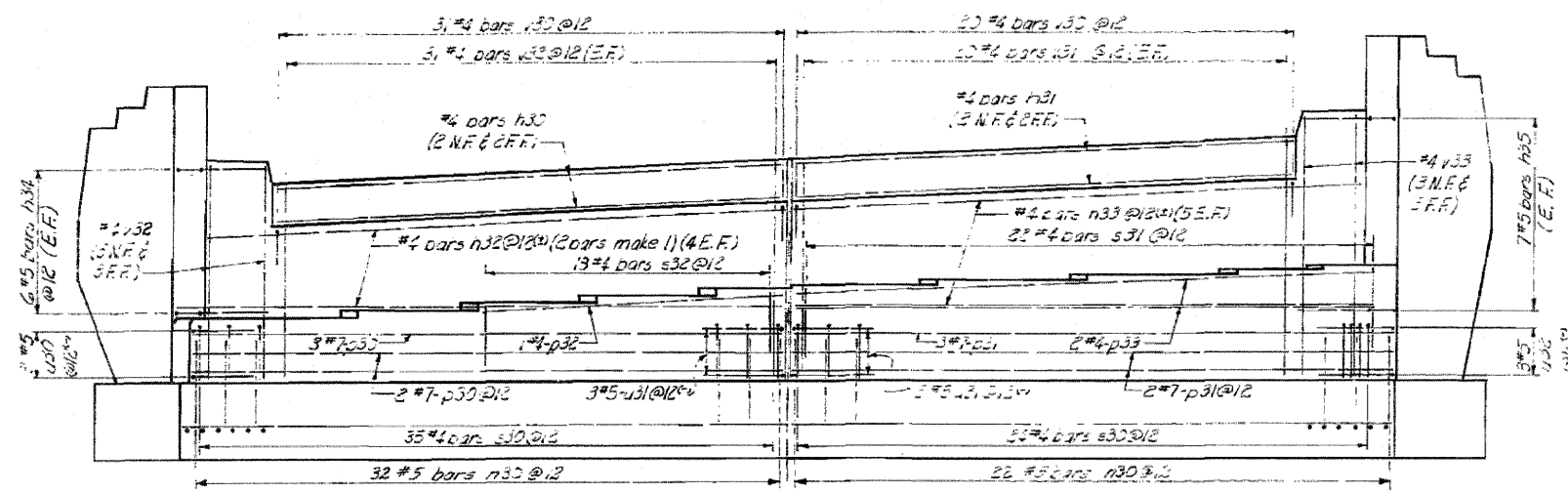
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CHECKED	L.J.L.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S.	PASSED	_____
CHECKED	WRT	ENGINEER OF DESIGN	
		APPROVED	_____
		CHIEF HIGHWAY ENGINEER	

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

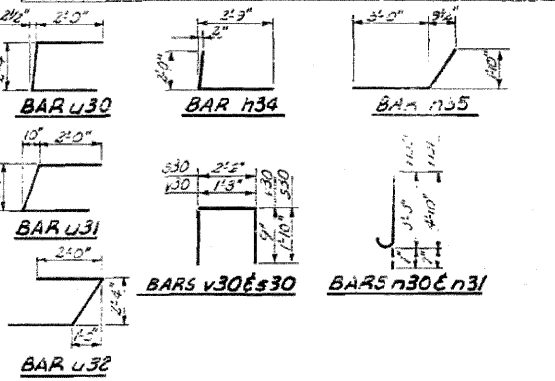
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAL-57	46-2	KANKAKEE	46	37
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS, FED. AID PROJECT				

SHT 27 OF 29



BAR LIST

BAR LIST-ONE ABUTMENT						BAR LIST-TWO END POSTS					
Bar No.	Size	Length	Shape	Qty.	Notes	Bar No.	Size	Length	Shape	Qty.	Notes
n30	#7	29'-0"				n30	#7	29'-0"			
n31	#7	17'-0"				n31	#7	17'-0"			
n32	#7	15'-3"				n32	#7	15'-3"			
n33	#7	31'-2"				n33	#7	31'-2"			
n34	#7	4'-9"				n34	#7	4'-9"			
n35	#7	5'-9"				n35	#7	5'-9"			
p30	#5	3'-10"				p30	#5	3'-10"			
p31	#5	5'-5"				p31	#5	5'-5"			
p32	#7	32'-0"				p32	#7	32'-0"			
p33	#7	22'-0"				p33	#7	22'-0"			
v30	#7	17'-0"				v30	#7	17'-0"			
v31	#7	22'-0"				v31	#7	22'-0"			
v32	#4	17'-0"				v32	#4	17'-0"			
v33	#4	22'-0"				v33	#4	22'-0"			
v34	#8	6'-2"				v34	#8	6'-2"			
v35	#4	2'-9"				v35	#4	2'-9"			
v36	#4	1'-9"				v36	#4	1'-9"			
v37	#5	30'-0"				v37	#5	30'-0"			
v38	#5	10'-3"				v38	#5	10'-3"			
v39	#5	7'-9"				v39	#5	7'-9"			



BILL OF MATERIAL

Item	Unit	Quantity
GLASS & CONCRETE	SQ. YDS.	20.3
REINFORCEMENT BARS	LOS	5123
STEEL PILES (33P42)	LINE FT.	782

ILLINOIS DIVISION OF HIGHWAYS
NORTH BRIDGE, WEST ABUTMENT
REINFORCEMENT
FAL-RTE. 57 SEC. 46-2 MB
KANKAKEE COUNTY
STA. 311 + 37.70
Added 4-26-11

FOR INFORMATION ONLY

DESIGNED	WRT	EXAMINED	
CHECKED	LJ	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S.	PASSED	
CHECKED	WRT	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
46-2	HB	KANKAKEE	46	39
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			

BORING NO. 1

STATION 309+89.3
OFFSET: 53.2' Lt.
DATE: 5-14-58

GROUND WATER DATA

DATE	TIME	ELEVATION
5-14	WS	325.0
5-15	24 hrs	325.0

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	9		Dark Brown - Sandy Silt - Trace of Clay
3330	32		Brown-Clayey Silt - Trace of Sand & Gravel
330	57		Brown-Clayey Silt - Trace of Sand & Gravel
3270	68	7.1	Brown - Fine Sand & Silt
325	62		Brown-Clayey Silt - Trace of Sand & Gravel
3230	36	4.5	Brown-Clayey Silt - Trace of Sand & Gravel
320	52	4.1	Brown-Clayey Silt - Trace of Sand & Gravel
320	28	1.3	Brown-Clay & Silt - Trace of Sand & Gravel
3170	34	2.0	Brown-Clay & Silt - Trace of Sand & Gravel
3160	68		Gray Silty Clay, Trace of Sand & Gravel
315			Gray Silty Clay, Trace of Sand & Gravel
3158			Brown-Gravelly Silty Sand & Gravel
			Yellow Brown-Silty Sand & Gravel
			End of Boring Probable Bedrock

BORING NO. 2

STATION 310+16.9
OFFSET: 26.7' Rt.
DATE: 5-15-58

Relative moisture content - Moist (all samples)

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3354	9	Dark Brown - Clayey Sandy Silt
330	3334	17	Brown-Clayey Silt - Trace of Sand & Gravel
3274	37	55	Brown-Clayey Silt - Trace of Sand & Gravel
325	29	5.2	Brown-Silt & Clay, Trace of Sand & Gravel
320	42		Gray-Clay & Silt - Trace of Sand & Gravel
3174	28	3.3	Gray-Clay & Silt - Trace of Sand & Gravel
315	22		Brown-Gravelly Silty Sand, Trace of Clay
			End of Boring Probable Bedrock

BORING NO. 3

STATION 310+55.5
OFFSET: 20.6' Lt.
DATE: 5-15-58

Relative moisture content - Moist (all samples)

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3342	9	Dark Brown - Sandy Silt - Trace of Clay
330	3302	17	Brown-Clayey Silty Sand
325	3242	23	Brown-Silt & Clay, Trace of Sand & Gravel
320	3202	30	Gray-Clay & Silt - Trace of Sand & Gravel
3172	48		Gray-Brown-Gravelly Silty Sand
315			End of Boring Probable Bedrock

BORING NO. 4

STATION 310+83.1
OFFSET: 600.0' Rt.
DATE: 5-16-58

Relative moisture content - Moist (all samples)

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3344	14	Dark Brown - Sandy Silt - Trace of Clay
330	3304	39	Brown-Clayey Silt - Trace of Sand & Gravel
325	3244	50	Brown-Silty Clay - Trace of Sand & Gravel
320	3204	70	Brown-Silty Sand & Gravel - Trace of Clay
315			End of Boring Probable Bedrock

BORING NO. 5

STATION 311+10.3
OFFSET: 58.1' Lt.
DATE: 5-16-58

Relative moisture content - Moist (all samples)

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3344	17	Brown-Clay & Silt - Trace of Sand & Gravel
330	3304	40	Brown-Clayey Silt - Trace of Sand & Gravel
325	3244	55	Gray Brown-Silty Fine Sand
320	3204	70	Gray-Silty Clay - Trace of Sand & Gravel
315			End of Boring Probable Bedrock

BORING NO. 6

STATION 311+37.9
OFFSET: 22.9' Rt.
DATE: 3-10-58

GROUND WATER DATA

DATE	TIME	ELEVATION
3-10	BCR	325.5
3-10	ACR	324.0

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3340	20	Brown-Silty Clay - Trace of Sand
330	3300	21	Brown-Sand - Trace Silt
325	3240	40	Brown-Clayey Silt - Trace of Sand & Gravel
320	3200	43	Gray-Silty Clay & Silt - Trace of Sand
315			End of Boring Probable Bedrock

Relative moisture content - Moist (all samples)

BORING NO. 7

STATION 311+89.5
OFFSET: 22.6' Lt.
DATE: 3-11-58

Relative moisture content - Moist (all samples)

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3340	26	Dark Brown Topsoil
330	3300	42	Brown-Clayey Silt - Trace of Sand
325	3250	44	Brown-Clayey Silt - Trace of Sand
320	3200	46	Brown-Clay & Silt - Trace of Sand & Gravel
315			End of Boring Probable Bedrock

BORING NO. 8

STATION 312+17.1
OFFSET: 59.2' Rt.
DATE: 3-11-58

GROUND WATER DATA

DATE	TIME	ELEVATION
3-11	1/2 Hr AB	335.5
3-12	24 Hr	323.5

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3355	36	Brown-Topsoil & Miscellaneous Fill
330	3300	37	Brown-Clayey Silt - Trace of Sand
325	3255	44	Brown-Clay & Silt - Trace of Sand & Gravel
320	3200	46	End of Boring Probable Bedrock

Relative moisture content - Moist (all samples)

BORING NO. 9

STATION 312+31.3
OFFSET: 58.0' Lt.
DATE: 3-12-58

Relative moisture content - Moist (all samples)

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3391	9	Dark Brown-Topsoil
330	3301	37	Brown-Clayey Silt - Trace of Sand
325	3271	39	Brown-Clay & Silt - Trace of Sand & Gravel
320			End of Boring Probable Bedrock

BORING NO. 10

STATION 312+59.9
OFFSET: 60.21' Rt.
DATE: 3-12-58

GROUND WATER DATA

DATE	TIME	ELEVATION
3-12	AB	334.6
3-13	24 Hrs	327.6

ELEVATIONS	N	qu	DESCRIPTION
			Surface
335	3356	16	Brown-Topsoil
330	3306	31	Brown-Clayey Silt - Trace of Sand
325	3256	44	Brown-Clay & Silt - Trace of Sand & Gravel
320	3196	193	End of Boring Probable Bedrock

Relative moisture content - Moist (all samples)

LEGEND

N - Relative Density - No. of blows required to drive 1-1/8" ID x 2" OD sample spoon 12" with 140 lb weight falling 30".
qu = Compressive Strength - Ton/sq ft.
AB = After Boring
ACR = After Casing Removal
BCR = Before Casing Removal
DB = Diamond Bit
WS = White Sampling

NOTES:
For location of soil borings see Elevation & General Layout

ILLINOIS DIVISION OF HIGHWAYS
BORING DATA
E.A.I. RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA 311+37.70
A Added 4-26-58

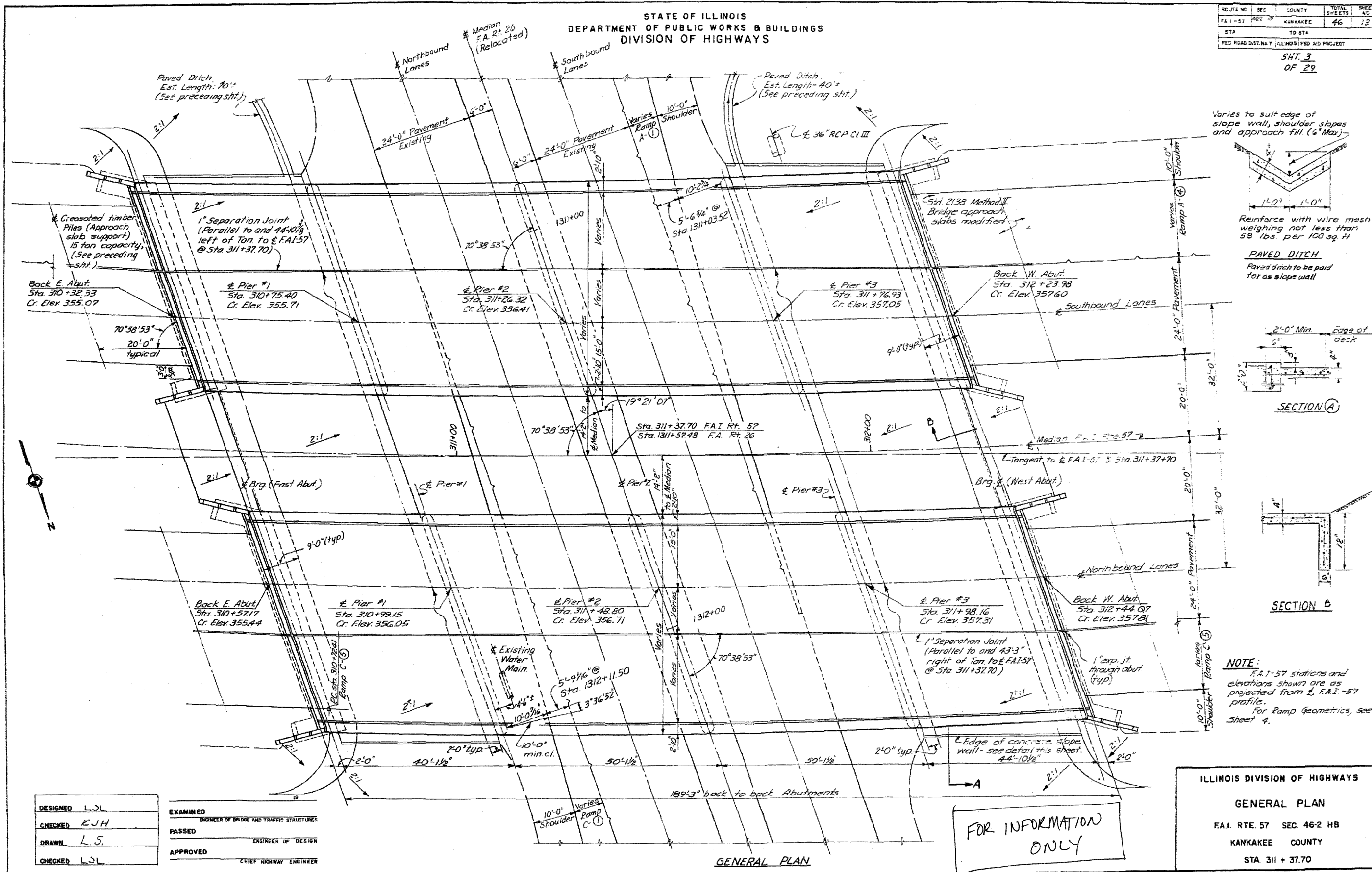
DESIGNED	EXAMINED
CHECKED	PASSED
DRAWN R.F.L.	APPROVED
CHECKED L.J.L.	

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2	KANKAKEE	46	13
STA.		TO STA.		
REC. ROAD DIST. No. 7		ILLINOIS FED. AID PROJECT		

SHT. 3
OF 29



DESIGNED	L.S.L.	EXAMINED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
CHECKED	K.J.H.	PASSED	ENGINEER OF DESIGN
DRAWN	L.S.	APPROVED	CHIEF HIGHWAY ENGINEER
CHECKED	L.S.L.		

FOR INFORMATION ONLY

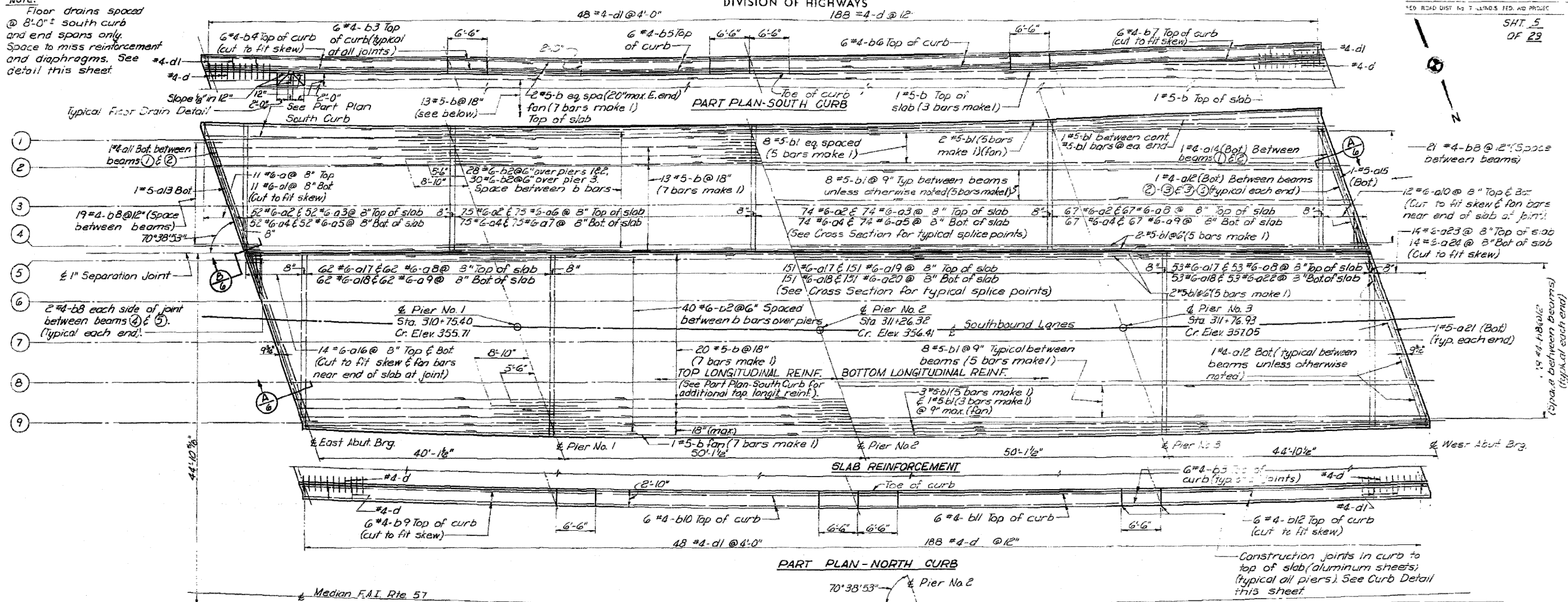
ILLINOIS DIVISION OF HIGHWAYS
GENERAL PLAN
 F.A.I. RTE. 57 SEC. 46-2 HB
 KANKAKEE COUNTY
 STA. 311 + 37.70

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

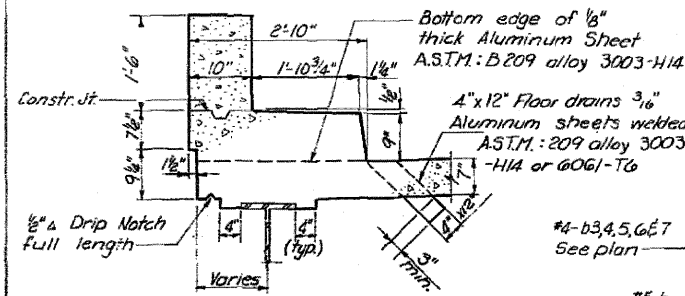
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FL. ST. 46-2	HB	KANKAKEE	46	15
STA.		TO STA.		
*RD. ROAD DIST. NO. 7. ILLINOIS FED. AID PROJECT				

SHT. 5
OF 29

Note:
Floor drains spaced @ 8'-0" south curb and end spans only. Space to miss reinforcement and diaphragms. See #4-d1 detail this sheet.



PLAN

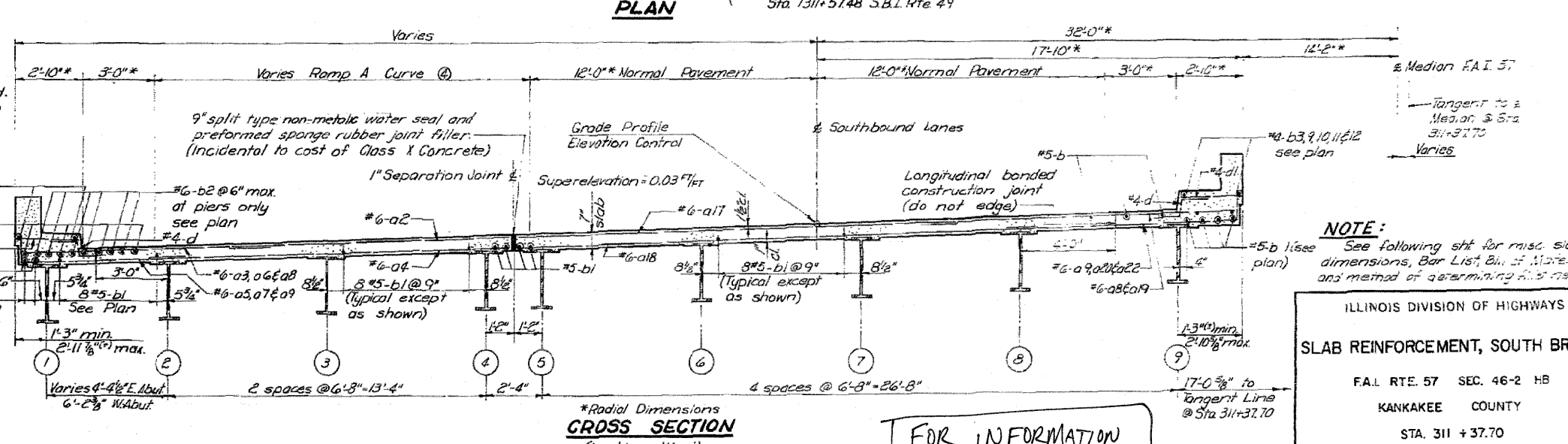


Aluminum floor drains and aluminum sheets in curb joints incidental to cost of Class X Concrete.

See Sht. 12 for Parapet Details

DESIGNED	L.J.L.	EXAMINED	
CHECKED	D.N.	PASSED	
DRAWN	L.L.S.	APPROVED	
CHECKED	L.J.L.		

ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER



NOTE:
See following sht for misc. slab dimensions, Bar List, Bill of Materials and method of determining final design.

ILLINOIS DIVISION OF HIGHWAYS
SLAB REINFORCEMENT, SOUTH BRIDGE

F.A.I. RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311 + 37.70

FOR INFORMATION ONLY

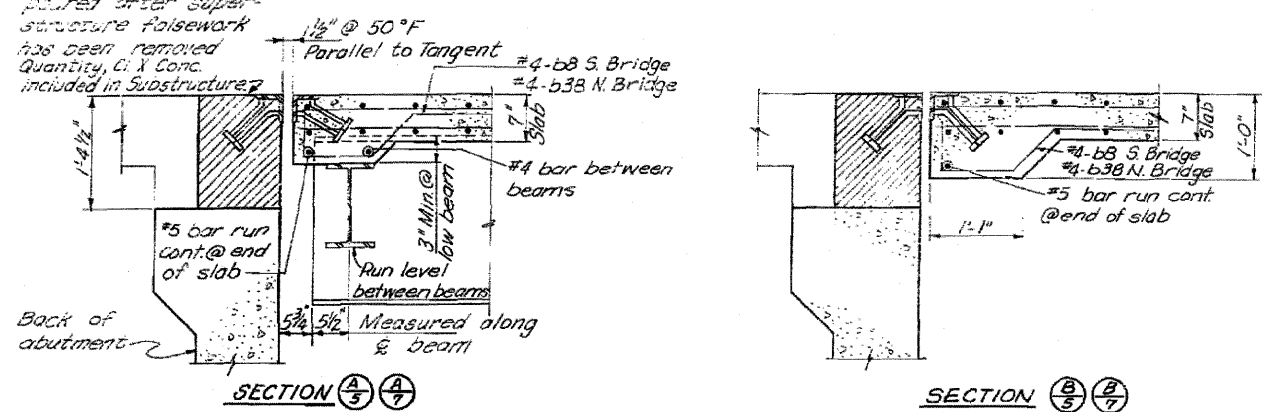
Revised detail #4-b1 to #5-b1, floor drains, Al. Sheets, 1-28-63 L.R.W.

Added 4-26-11

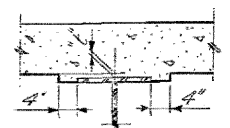
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SHT 6 OF 28
ROUTE NO. SEC. COUNTY TOTAL SHEETS SHEET NO.
46-2 HB KANKAKEE 46 16
FED. R.D. DIST. NO. 7 ILLINOIS FED. AID PROJECT

Spaced area to be poured after superstructure falsework has been removed. Quantity, Class X Conc. included in Substructure.



DETAILS AT ABUTMENTS
See Structural Steel Details sheet for Expansion Guard Details.



METHOD OF DETERMINING FILLET HEIGHT "t"
After all Structural Steel has been erected, elevations of the top flanges of the beams shall be taken at lines marked A thru U as shown on sht. 8. From these elevations subtract the increment of deflection for these points, determined from the D.L. deflection diagram. The elevations so obtained subtracted from the theoretical grade elevations, minus floor thickness, equals the fillet heights above top of beam.

SOUTH BRIDGE SUPERSTRUCTURE BILL OF MATERIAL

NORTH BRIDGE SUPERSTRUCTURE BILL OF MATERIAL

Bar No	Size	Length	Shape
a	#6	21'-3"	
a1	#6	22'-6"	
a2	#6	11'-7"	
a3	#6	11'-3"	
a4	#6	13'-0"	
a5	#6	8'-11"	
a6	#6	10'-6"	
a7	#6	21'-11"	
a8	#6	13'-0"	
a9	#6	10'-5"	
a10	#6	22'-6"	
a11	#4	4'-5"	
a12	#4	6'-10"	
a13	#5	19'-9"	
a14	#4	6'-0"	
a15	#5	21'-9"	
a16	#6	28'-0"	
a17	#6	18'-3"	
a18	#6	21'-7"	
a19	#6	13'-6"	
a20	#6	11'-3"	
a21	#5	29'-3"	
a22	#6	10'-10"	
a23	#6	29'-0"	
a24	#6	30'-11"	

Bar No	Size	Length	Shape
a30	#6	30'-0"	
a31	#6	21'-3"	
a32	#6	11'-7"	
a33	#6	11'-3"	
a34	#6	13'-0"	
a35	#6	8'-11"	
a36	#6	10'-6"	
a37	#6	21'-11"	
a38	#6	13'-0"	
a39	#6	10'-5"	
a40	#6	22'-6"	
a41	#4	4'-5"	
a42	#4	6'-10"	
a43	#5	19'-9"	
a44	#4	6'-0"	
a45	#5	21'-9"	
a46	#6	28'-0"	
a47	#6	18'-3"	
a48	#6	21'-7"	
a49	#6	13'-6"	
a50	#6	11'-3"	
a51	#5	29'-3"	
a52	#6	10'-10"	
a53	#6	29'-0"	
a54	#6	30'-11"	
a55	#4	2'-2"	
a56	#5	21'-3"	

21'-3"	a1
7'-10"	a5
7'-0"	a7
9'-7"	a9
15'-6"	a20
9'-7"	a22
29'-0"	a24

BARS a1, 5, 7, 9, 20, 22 & 24

30'-0"	a31
9'-9"	a35
9'-0"	a37
10'-3"	a39
13'-11"	a47
12'-11"	a49
11'-9"	a51
21'-6"	a52

BARS a31, 35, 37, 39, 47, 49, 51 & 52

1'-3"	b
6"	b1
10"	b2

BARS b & b38

1'-0"	d
1'-0"	d1

BARS d & d30

BAR DETAILS

b	#5	27'-9"
b1	#5	38'-11"
b2	#6	14'-4"
b3	#6	6'-3"
b4	#6	40'-7"
b5	#6	36'-11"
b6	#6	36'-6"
b7	#4	45'-9"
b8	#4	3'-5"
b9	#4	42'-2"
b10	#4	37'-1"
b11	#4	36'-9"
b12	#4	44'-9"

b30	#5	27'-9"
b31	#5	38'-11"
b32	#6	14'-4"
b33	#6	6'-3"
b34	#6	40'-7"
b35	#6	36'-11"
b36	#6	36'-6"
b37	#4	45'-9"
b38	#4	3'-5"
b39	#4	42'-2"
b40	#4	37'-1"
b41	#4	36'-9"
b42	#4	44'-9"

d	#4	2'-10"
d1	#4	2'-6"

d30	#4	2'-10"
d31	#4	2'-6"

Class X Concrete	Cu. Yd.	248.6
Reinforcement Bars	Lbs.	76,285
Structural Steel	Lbs.	23,815
Metal Handrail	Lin. Ft.	3282
Name Plates	Each	1

Class X Concrete	Cu. Yd.	254.3
Reinforcement Bars	Lbs.	75,285
Structural Steel	Lbs.	23,815
Metal Handrail	Lin. Ft.	3,228
Name Plates	Each	1

*Weight of Bolsters, Rockers, Bearing Plates, Lead Plates and Anchor Bolts included as Structural Steel, Est. 1: South Bridge 11,619; Est. Wt. North Bridge 12,941.

TOTAL BILL OF MATERIAL SUPERSTRUCTURE

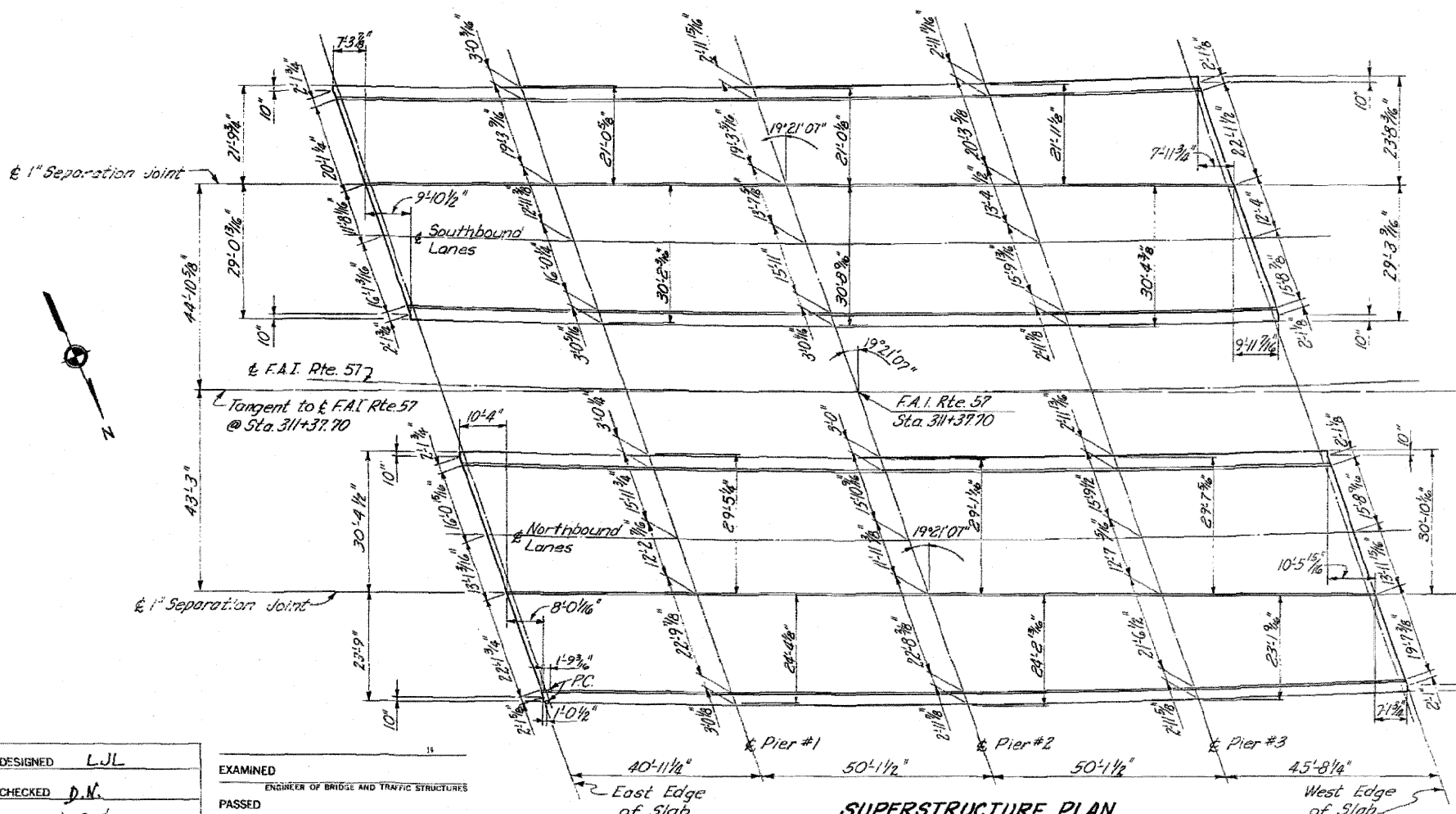
Class X Concrete	Cu. Yd.	533.5
Reinforcement Bars	Lbs.	162,169
Structural Steel	Lbs.	53,815
Metal Handrail	Lin. Ft.	746
Name Plates	Each	2

*Includes parapet quantities (See Shts. 12 & 13)

FOR INFORMATION ONLY

ILLINOIS DIVISION OF HIGHWAYS
SLAB DETAILS
F.A.I.-RTE 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311+37.70

Added 4-26-11



SUPERSTRUCTURE PLAN
Miscellaneous Dimensions

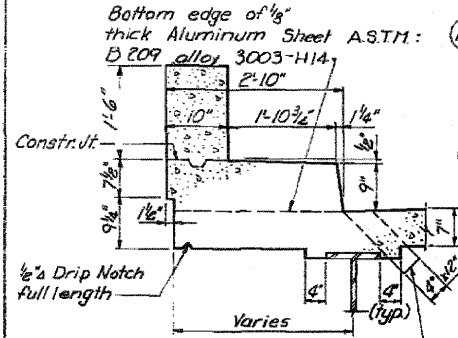
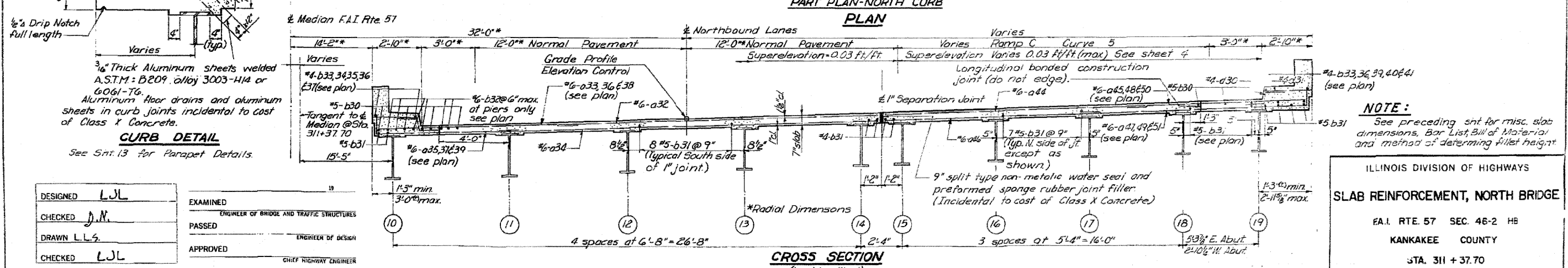
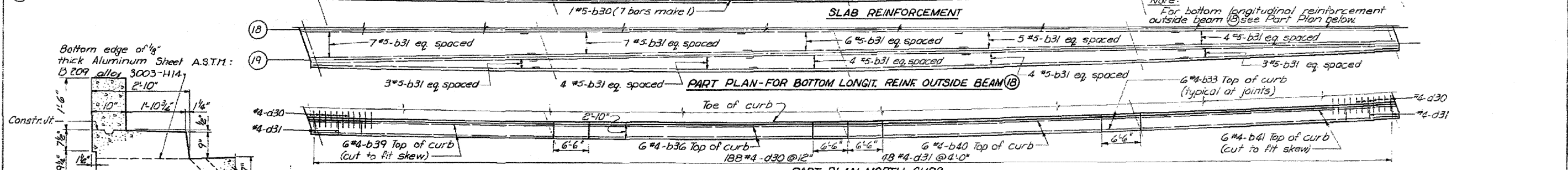
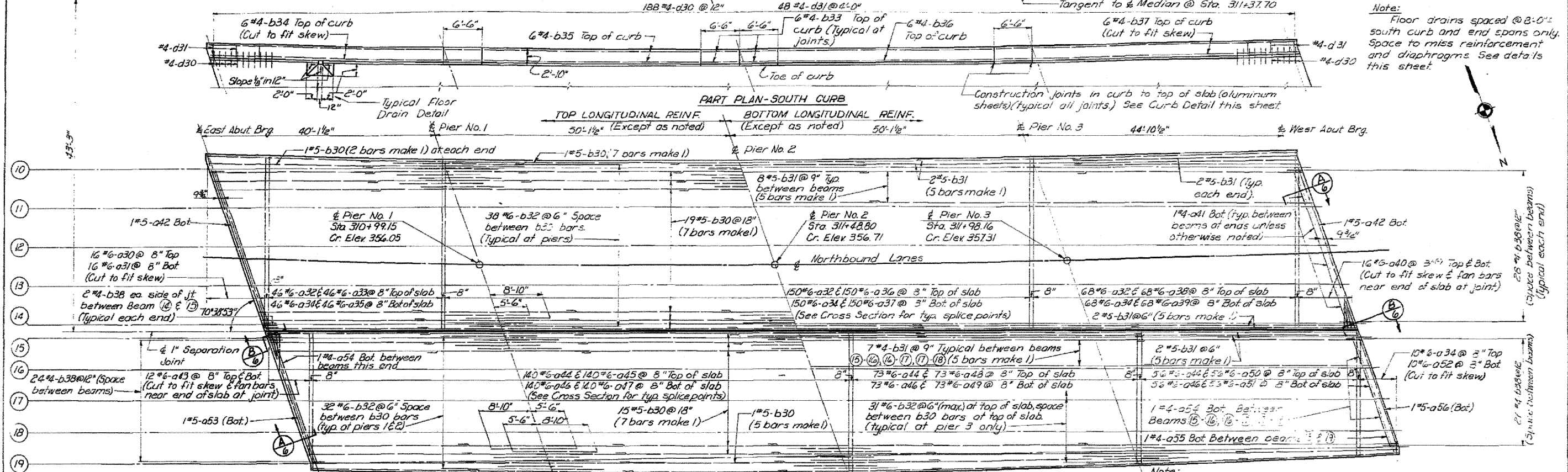
DESIGNED	L.J.L.
CHECKED	D.N.
DRAWN	L.S. & L.L.S.
CHECKED	L.J.L.

EXAMINED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED	ENGINEER OF DESIGN
APPROVED	CHIEF HIGHWAY ENGINEER

Revised Bill of Materials to include quantities for 12-11-11 to 12-11-11. Total 12,941 lbs. 12-11-11 L.R.W.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
Sta. 311+37.70 F.A.I. Rte. 57
Sta. 1311+5748 S.B.I. Rte. 49

SHT. 7
OF 29
ROUTE NO. SEC. COUNTY TOTAL SHEETS SHEET NO.
F.A. 27 46-2 HB KANKAKEE 46 17
TO STA. FROM STA.
FED. ROAD DIST. NO. ILL. 405 FED. AID PROJ. NO.



DESIGNED L.J.L.
CHECKED J.M.
DRAWN L.L.S.
CHECKED L.J.L.

EXAMINED
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

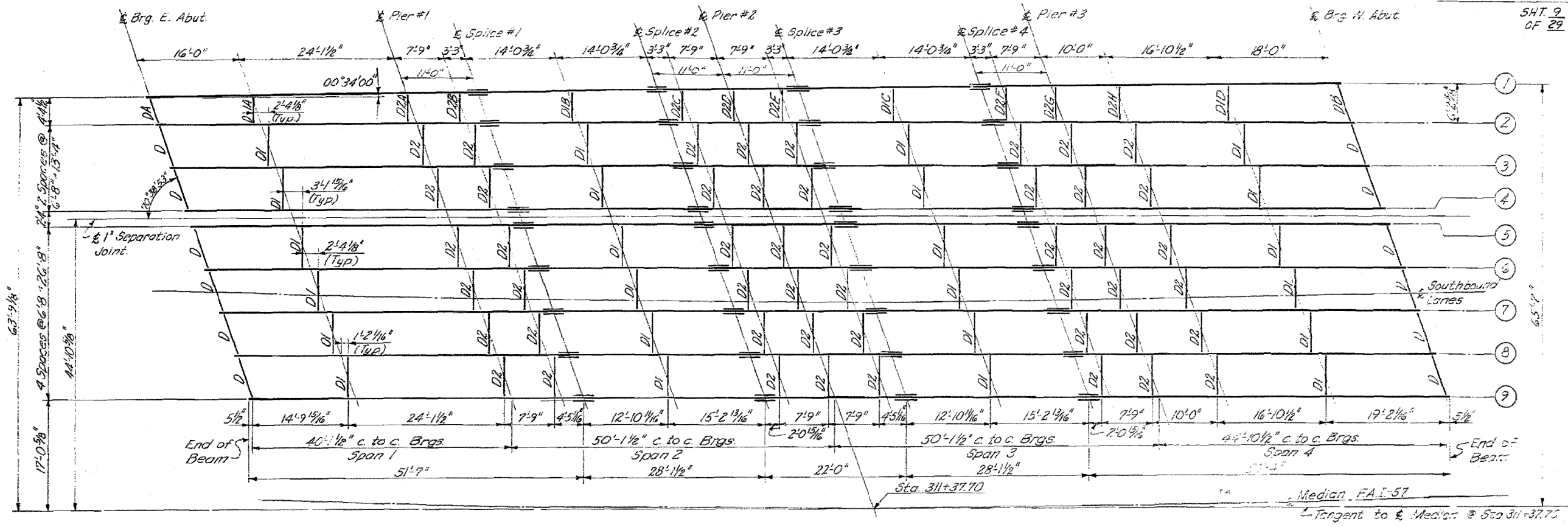
NOTE:
See preceding sht for misc. slab dimensions, Bar List, Bill of Material and method of determining fillet height.

ILLINOIS DIVISION OF HIGHWAYS
SLAB REINFORCEMENT, NORTH BRIDGE
F.A.I. RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311 + 37.70

FOR INFORMATION ONLY
Added 4-26-11

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
46-2	HB	KANKAKEE	46	19
STA.	TO STA.			
			SHT. 9 OF 29	



STRUCTURAL STEEL LAYOUT - SOUTH BRIDGE

Beam #9 - 30WF124
Beams #1, #2, #3, #4, #5, #6, #7, #8 - 30WF116

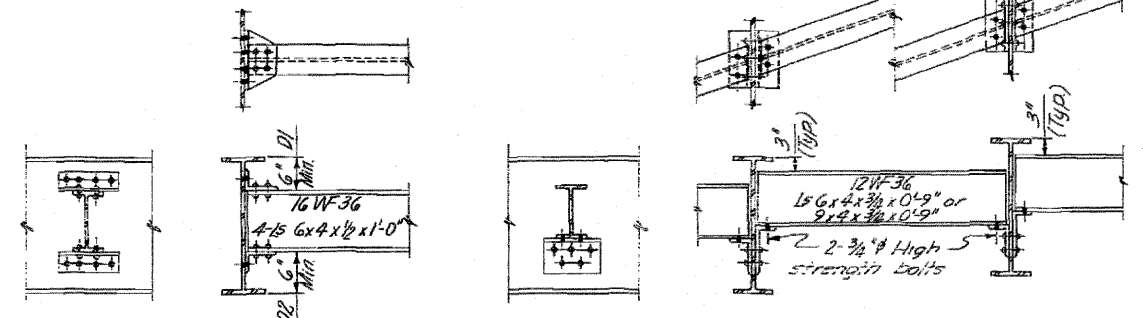
ELEVATION TOP OF BEAMS - SOUTH BRIDGE

BEAM NO.	1	2	3	4	5	6	7	8	9
Brig East Abut.	353.448	353.004	353.823	354.081	354.164	354.402	354.699	354.876	355.113
Pier No. 1	353.963	354.115	354.354	354.592	354.675	354.913	355.150	355.387	355.624
Splice #1	354.104	354.255	354.494	354.792	354.815	355.053	355.290	355.527	355.764
Splice #2	354.436	354.699	354.872	355.110	355.193	355.431	355.668	355.905	356.142
Pier No. 2	354.632	354.777	355.016	355.254	355.337	355.575	355.812	356.049	356.286
Splice #3	354.778	354.922	355.161	355.399	355.482	355.720	355.957	360.194	356.431
Splice #4	355.140	355.282	355.521	355.759	355.842	356.080	356.317	356.554	356.791
Pier No. 3	355.289	355.429	355.668	355.906	355.989	356.227	356.464	356.701	356.938
Brig West Abut.	355.893	356.031	356.270	356.508	356.591	356.829	357.066	357.303	35.540

**BEAMS ① & ②
DIAPHRAGM LENGTH TABLE**

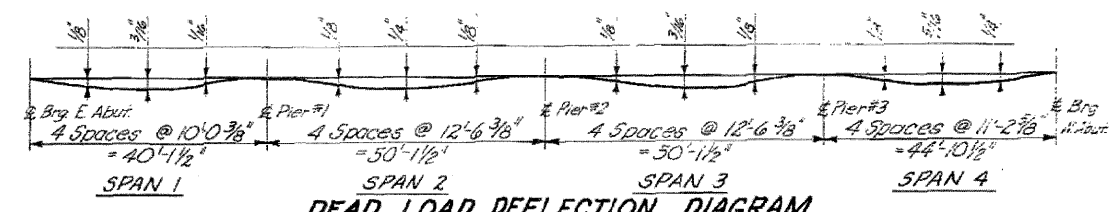
LOCATION	DIAPHRAGM LENGTH
DA	4'-7 3/8"
D1A	4'-6 7/8"
D2A	4'-9 3/8"
D2B	4'-10 1/2"
D1B	5'-0 1/2"
D2C	5'-2 7/8"
D2D	5'-3 3/4"
D2E	5'-4 3/8"
D1C	5'-3 1/2"
D2F	5'-8 1/2"
D2G	5'-9 3/8"
D2H	5'-0 3/8"
D1D	6'-0 3/8"
DB	6'-6 3/8"

Note: Lengths shown are E-E beams measured along E diaphragms.



DIAPHRAGMS D1 & D2
84- Required

DIAPHRAGM D
14- Required



DEAD LOAD DEFLECTION DIAGRAM
(Deflection due to concrete only)

NOTE:
See following list for Structural Steel Details.

DESIGNED	VNS	19
CHECKED	D.N.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN	L.S.	ENGINEER OF DESIGN
CHECKED	L.J.L.	APPROVED
		CHIEF HIGHWAY ENGINEER

ILLINOIS DIVISION OF HIGHWAYS
STRUCTURAL STEEL, SOUTH BRIDGE
FAL RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311 + 37.70

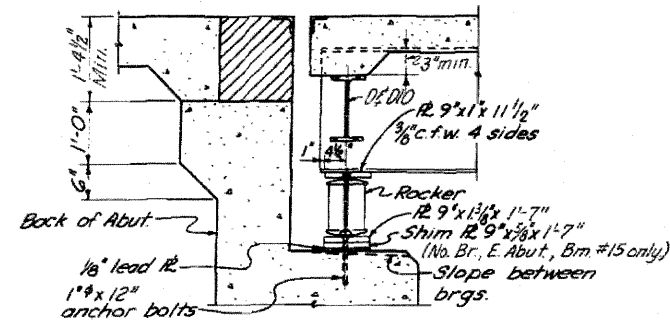
FOR INFORMATION ONLY

Added 4-26-11

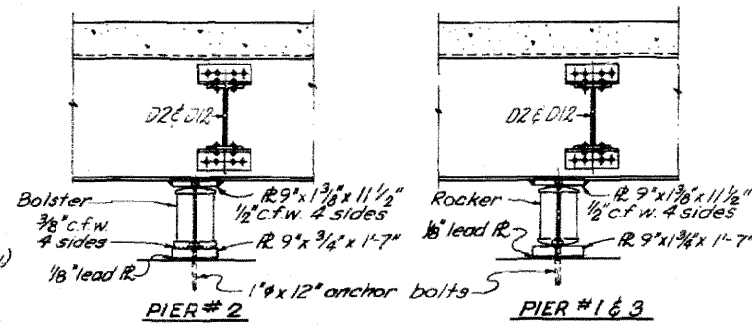
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2	KANKAKEE	46	20
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			

SHT. 10
OF 29

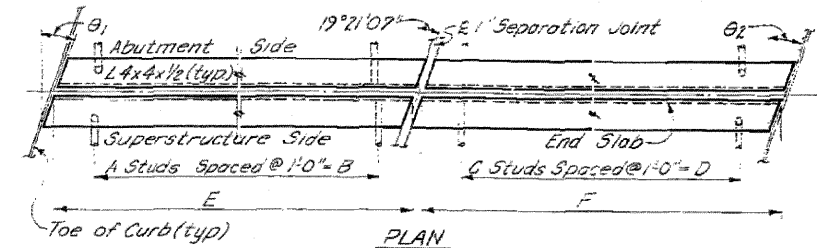


SECTION AT ABUTMENT



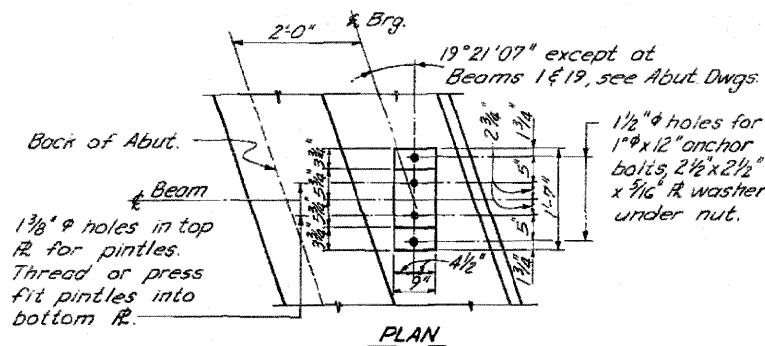
PIER #2

PIER #1 & 3

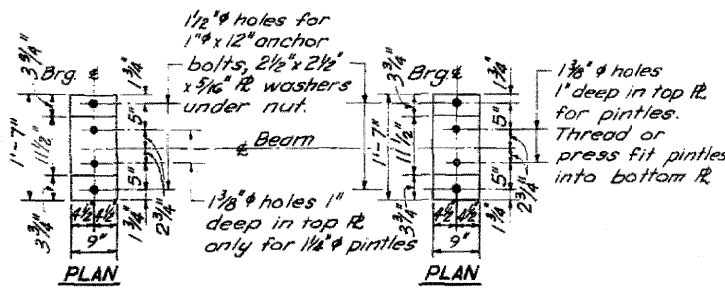


DIMENSIONS

LOCATION	A	B	C	D	E	F	θ ₁	θ ₂
S Bridge E. End	28	27'-0"	20	9'-5"	27'-8 3/4"	20'-0 1/2"	19°35'	25°52'
S Bridge W. End	22	21'-0"	28	27'-0"	22'-0 3/8"	28'-0"	16°35'	17°33'
N. Bridge E. End	22	21'-0"	29	28'-0"	22'-0 3/8"	29'-1 1/4"	20°39'	20°33'
N. Bridge W. End	30	29'-0"	20	19'-0"	29'-7 7/8"	19'-6 3/8"	17°25'	16°32'

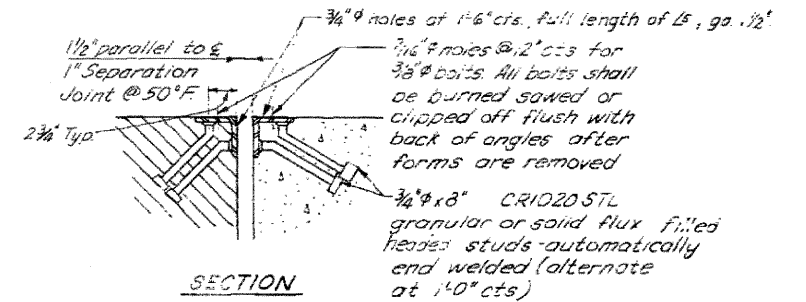


PLAN



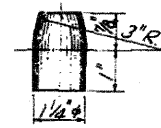
PLAN

PLAN

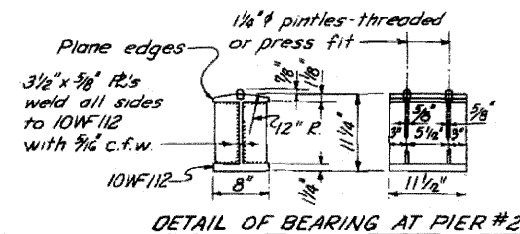


SECTION

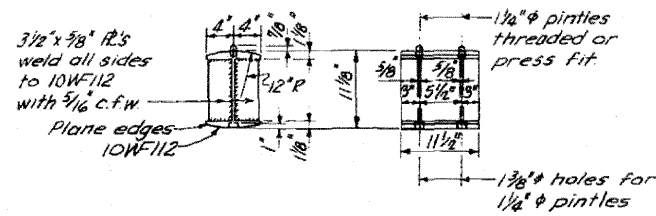
EXPANSION GUARD DETAILS



PINTLE

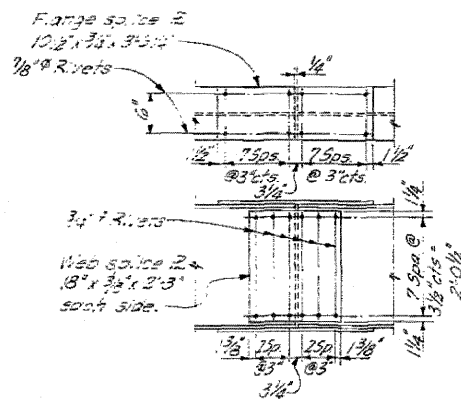


DETAIL OF BEARING AT PIER #2

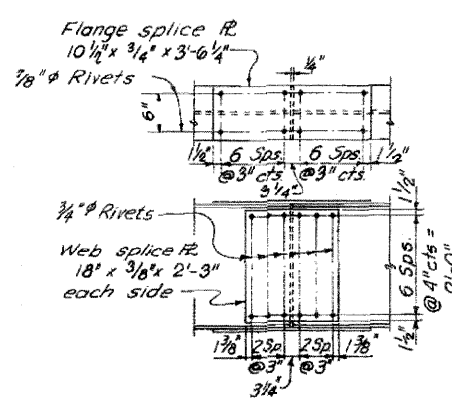


DETAIL OF BEARING AT PIER #1 & 3
AND ABUTMENTS

BEARING DETAILS



DETAIL OF SPLICE
(30WF124)



DETAIL OF SPLICE
(30WF116)

DESIGNED	LJL
CHECKED	D.N.
DRAWN	L.S.
CHECKED	LJL

EXAMINED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED	ENGINEER OF DESIGN
APPROVED	CHIEF HIGHWAY ENGINEER

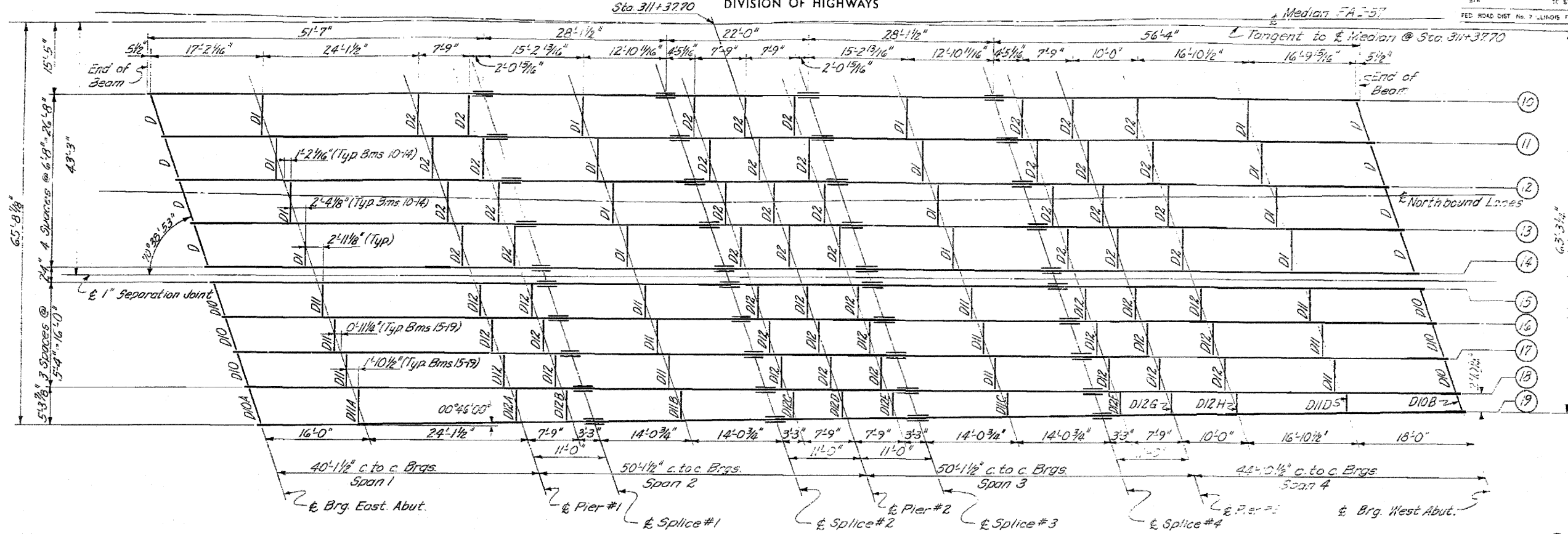
ILLINOIS DIVISION OF HIGHWAYS
STRUCTURAL STEEL DETAILS
FAI. RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311+37.70

FOR INFORMATION ONLY

Added 4-26-11

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET
57	46-2	HB	46	21
STA.	TC STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJ.		



STRUCTURAL STEEL LAYOUT - NORTH BRIDGE

Beam #10 - 30W124
Beams #11, #12, #13, #14, #15, #16, #17, #18 & #19 - 30W116

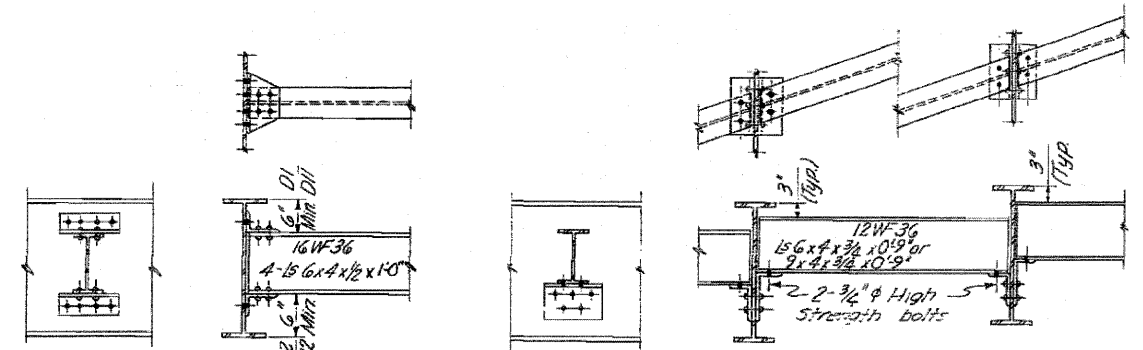
ELEVATION TOP OF BEAMS - NORTH BRIDGE

BEAM NO.	10	11	12	13	14	15	16	17	18	19
& Brg East Abut.	352.948	352.513	352.814	355.048	355.088	355.982	355.999	355.477	355.555	355.558
& Pier No. 1	352.851	355.066	355.202	355.536	355.171	355.844	355.294	355.149	355.927	355.552
& Splice #1	352.965	355.200	355.486	355.670	355.025	355.964	355.157	355.888	355.511	355.552
& Splice #2	355.308	355.563	355.799	355.098	355.058	355.348	355.532	355.716	355.899	355.552
& Pier No. 2	355.165	355.701	355.987	355.171	355.406	355.160	355.670	355.854	357.088	357.173
& Splice #3	355.605	355.840	355.076	355.210	355.545	353.625	355.008	355.991	357.19	357.229
& Splice #4	355.952	355.187	355.423	355.657	355.892	355.071	357.159	357.894	357.515	357.587
& Pier No. 3	355.094	355.929	355.565	355.799	355.034	357.119	357.294	357.475	357.655	357.772
& Brg West Abut.	355.872	355.909	357.145	357.979	357.614	357.692	357.871	355.050	355.229	355.825

**BEAMS 18 & 19
DIAPHRAGM LENGTH TABLE**

LOCATION	DIAPHRAGM LENGTH
D10A	5'-7 1/2"
D11A	5'-7 1/2"
D12A	4'-9 3/4"
D12B	4'-3 1/2"
D11B	4'-5 1/2"
D2C	4'-2 3/4"
D2D	4'-1 1/2"
D2E	4'-0 3/4"
D1C	3'-9 1/2"
D2F	3'-6 3/4"
D2G	3'-5 3/4"
D2H	3'-3 3/4"
D1D	3'-1 1/2"
D10B	3'-1 1/2"

Note: Lengths shown are E & beams measured along E diaphragms.

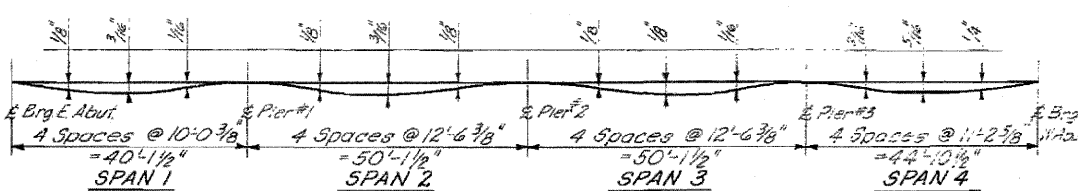


DIAPHRAGMS D1, D2, D11 & D12

D1 & D2: AB Required
D11 & D12: AB Required

DIAPHRAGMS D & D10

D: B Required
D10: B Required



DEAD LOAD DEFLECTION DIAGRAM

(Deflection due to concrete only)

NOTE:
See preceding Sht. for Structural Steel Details

DESIGNED	VNS	EXAMINED	
CHECKED	J.N.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	L.S.	PASSED	
CHECKED	L.J.L.	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	

ILLINOIS DIVISION OF HIGHWAYS
STRUCTURAL STEEL, NORTH BRIDGE
FAI. RTE. 57 SEC. 46-2 HB
KANKAKEE COUNTY
STA. 311 + 37.70

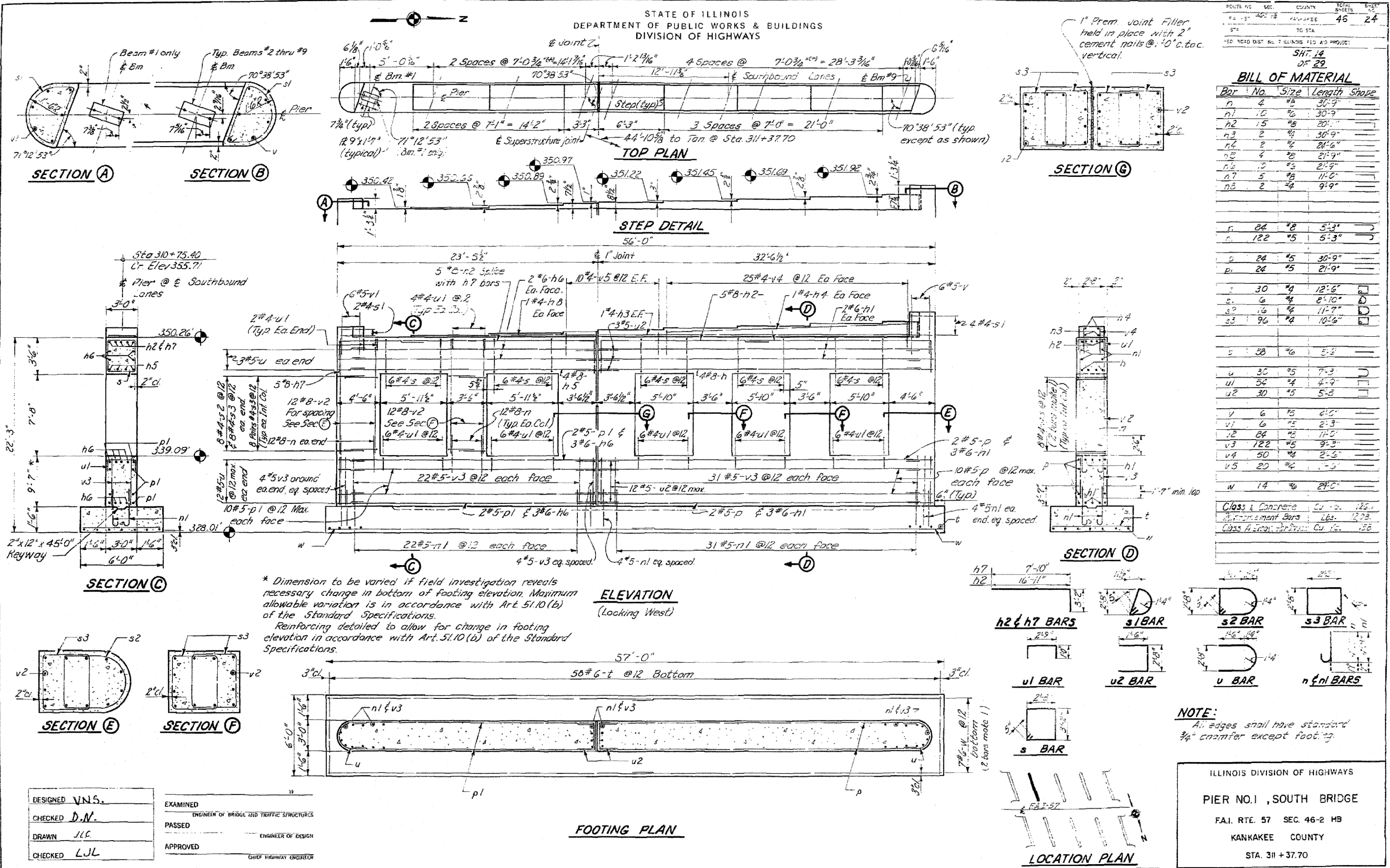
FOR INFORMATION ONLY Added 4-26-11

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
57	46-2	HB	46	24
STA.	TO STA.	PROJECT:		
		SHR. 14 OF 29		

BILL OF MATERIAL

Bar No.	Size	Length	Shape
n1	4	30'-9"	
n2	15	20'-0"	
n3	2	30'-9"	
n4	2	21'-6"	
n5	4	21'-9"	
n6	15	21'-9"	
n7	5	11'-0"	
n8	2	9'-9"	
n	24	5'-3"	
n	122	5'-3"	
s	24	5'-3"	
s	24	5'-3"	
s	30	12'-6"	
s	6	8'-10"	
s	16	11'-7"	
s	96	10'-6"	
s	58	5'-3"	
u	30	7'-3"	
u	54	4'-9"	
u	30	5'-3"	
v	6	2'-0"	
v	6	2'-3"	
v	24	11'-5"	
v	3	9'-3"	
v	122	2'-3"	
v	4	2'-3"	
v	20	1'-5"	
w	14	24'-0"	
Class 1 Concrete Cu. 12.185			
Reinforcement Bars Lbs. 12.28			
Class 1 Rein. Concrete Cu. 15.36			



* Dimension to be varied if field investigation reveals necessary change in bottom of footing elevation. Maximum allowable variation is in accordance with Art. 51.10 (b) of the Standard Specifications.
 Reinforcing detailed to allow for change in footing elevation in accordance with Art. 51.10 (b) of the Standard Specifications.

NOTE:
 All edges shall have standard 3/4" chamfer except footing.

ILLINOIS DIVISION OF HIGHWAYS
 PIER NO. 1, SOUTH BRIDGE
 FAI. RTE. 57 SEC. 46-2 HB
 KANKAKEE COUNTY
 STA. 311 + 37.70

DESIGNED **VNS.**
 CHECKED **D.N.**
 DRAWN **JLC.**
 CHECKED **LJL.**

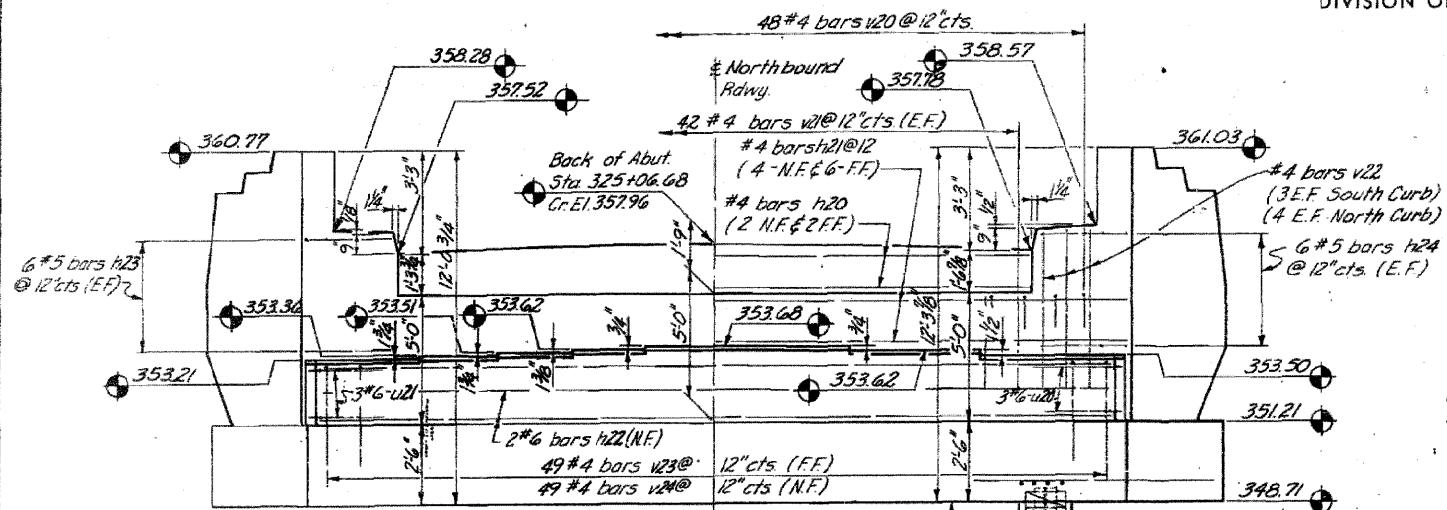
EXAMINED
 ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED
 ENGINEER OF DESIGN

APPROVED
 CHIEF HIGHWAY ENGINEER

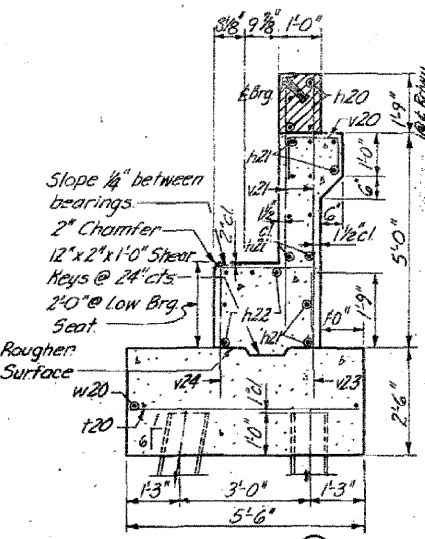
FOR INFORMATION ONLY Added 4-26-11

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2VB	KANKAKEE	28	20
STA.	TO STA.			
FED ROAD DIST. No. 7	ILLINOIS	FED AID PROJECT 57-7(2)37		

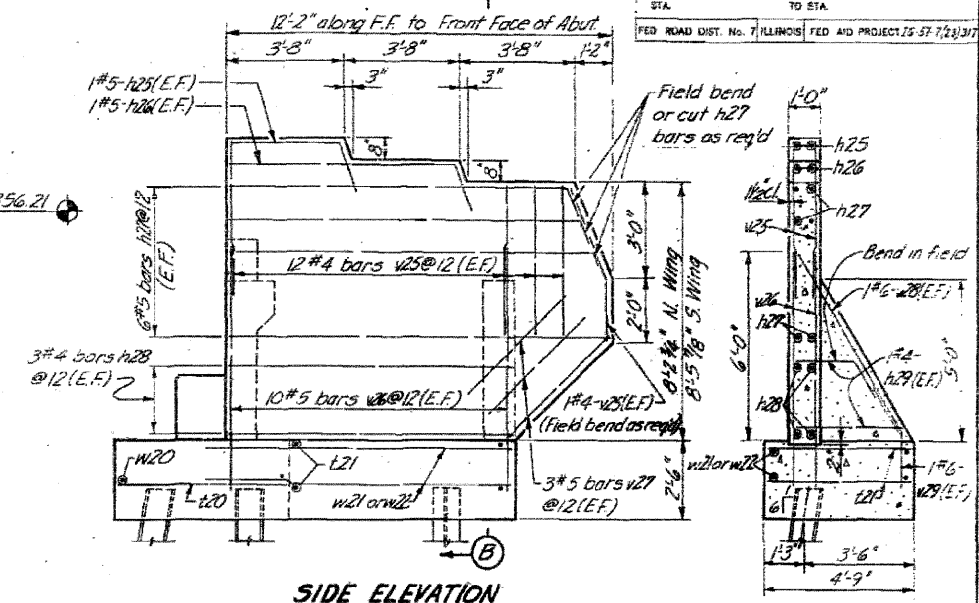


ELEVATION

At Rt. 1/2 to E Roadway

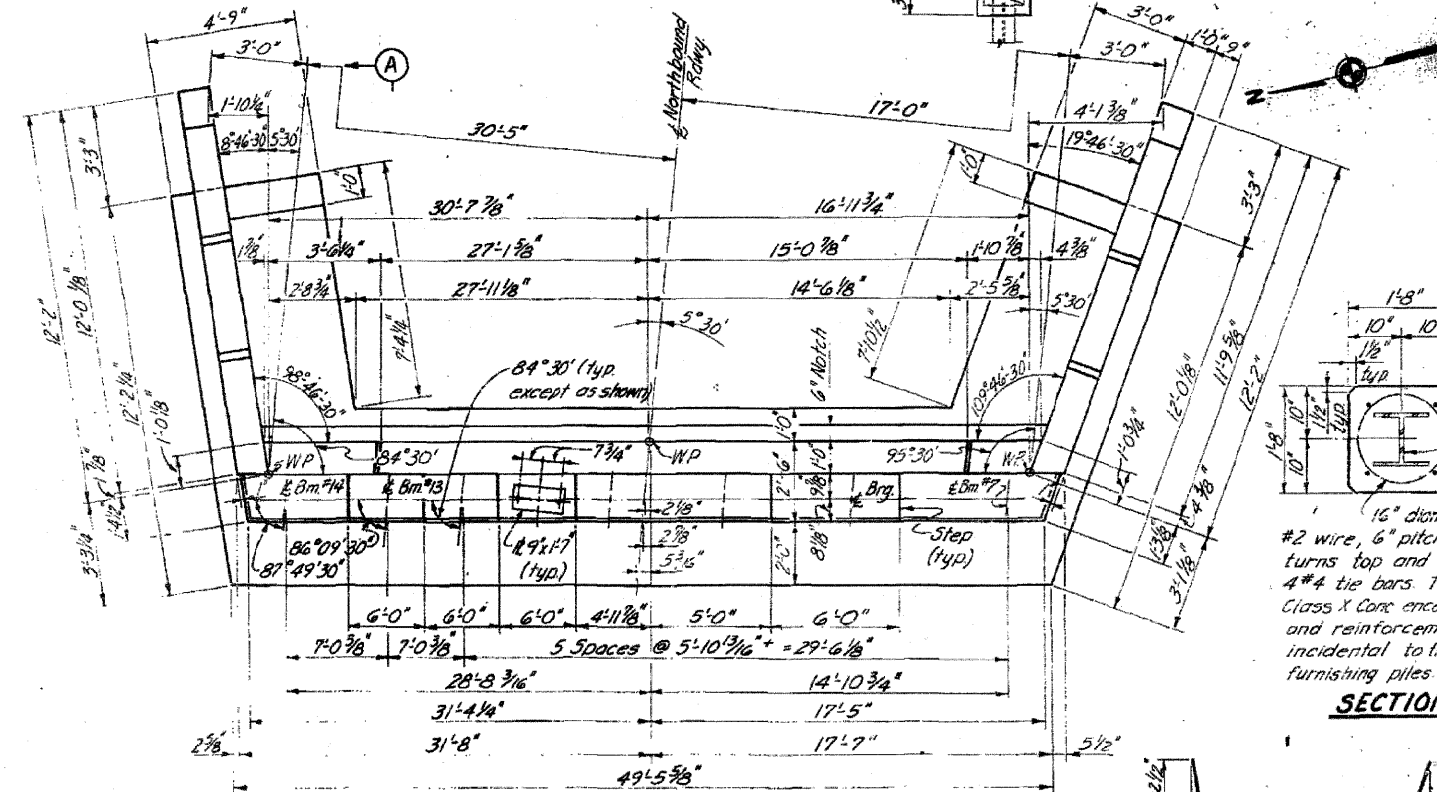


SECTION A



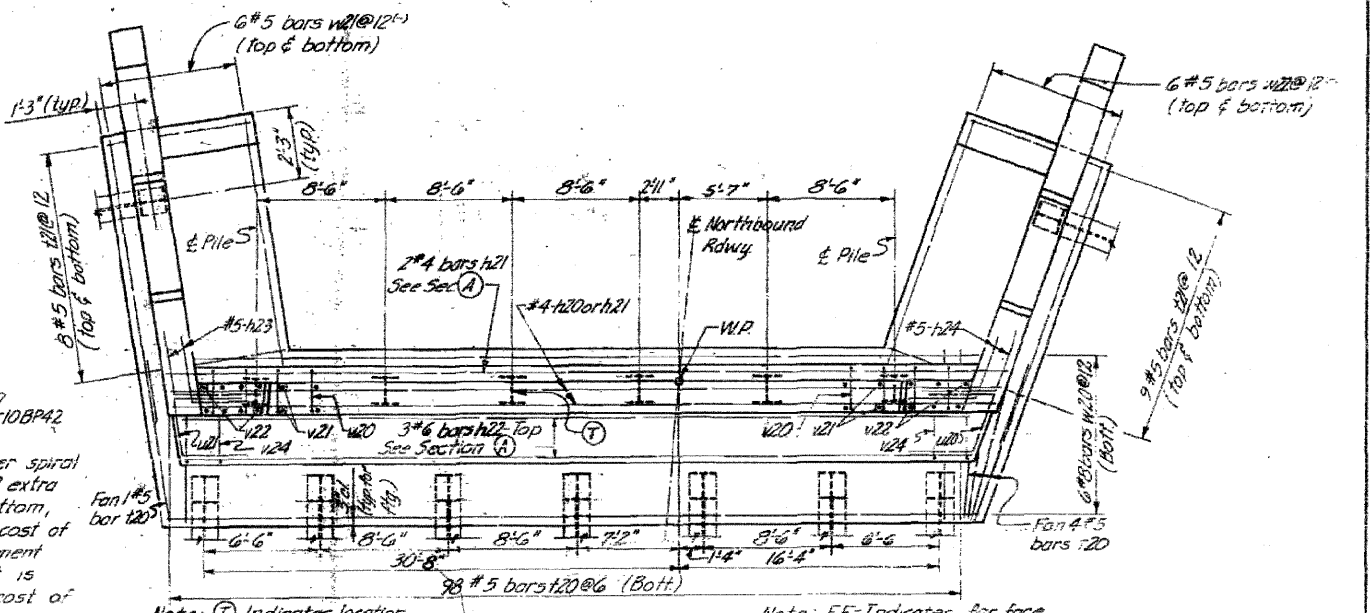
SIDE ELEVATION

SECTION B



PLAN OF ABUTMENT

Dimensions



PLAN OF ABUTMENT

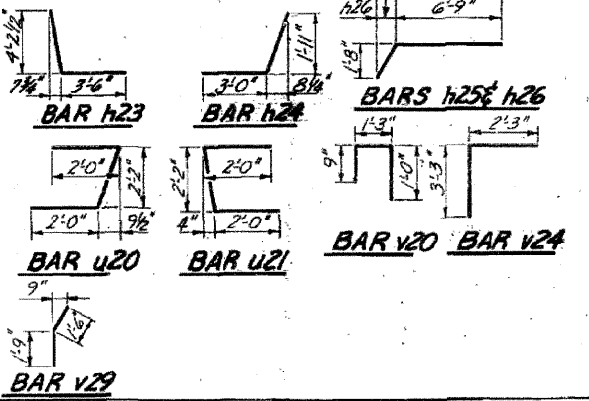
Reinforcement & Pile Spacing

BAR LIST - ONE ABUTMENT

Bar	No	Size	Length	Shape	Bar	No	Size	Length	Shape
h20	4	#4	41'-9"		v20	43	#4	3'-0"	
h21	12	#4	49'-6"		v21	84	#4	6'-0"	
h22	5	#6	48'-6"		v22	4	#4	6'-9"	
h23	12	#5	7'-9"		v23	49	#4	3'-0"	
h24	12	#5	5'-0"		v24	49	#4	5'-4"	
h25	4	#5	4'-9"		v25	52	#4	4'-9"	
h26	4	#5	8'-6"		v26	40	#5	7'-6"	
h27	24	#5	11'-9"		v27	12	#5	4'-6"	
h28	12	#4	8'-9"		v28	4	#6	7'-0"	
h29	8	#4	3'-6"		v29	4	#6	3'-3"	
u20	103	#5	5'-0"						
u21	34	#5	4'-3"		w20	6	#8	49'-0"	
					w21	12	#5	8'-9"	
					w22	12	#5	7'-3"	

PILE DATA

Type: Steel 10BP42
Capacity: 35 Tons
Estimated Length: 31'
No Req'd for 1 abut-15 (Includes 1 Test Pile)
All abutment piling to be encased.



BILL OF MATERIAL

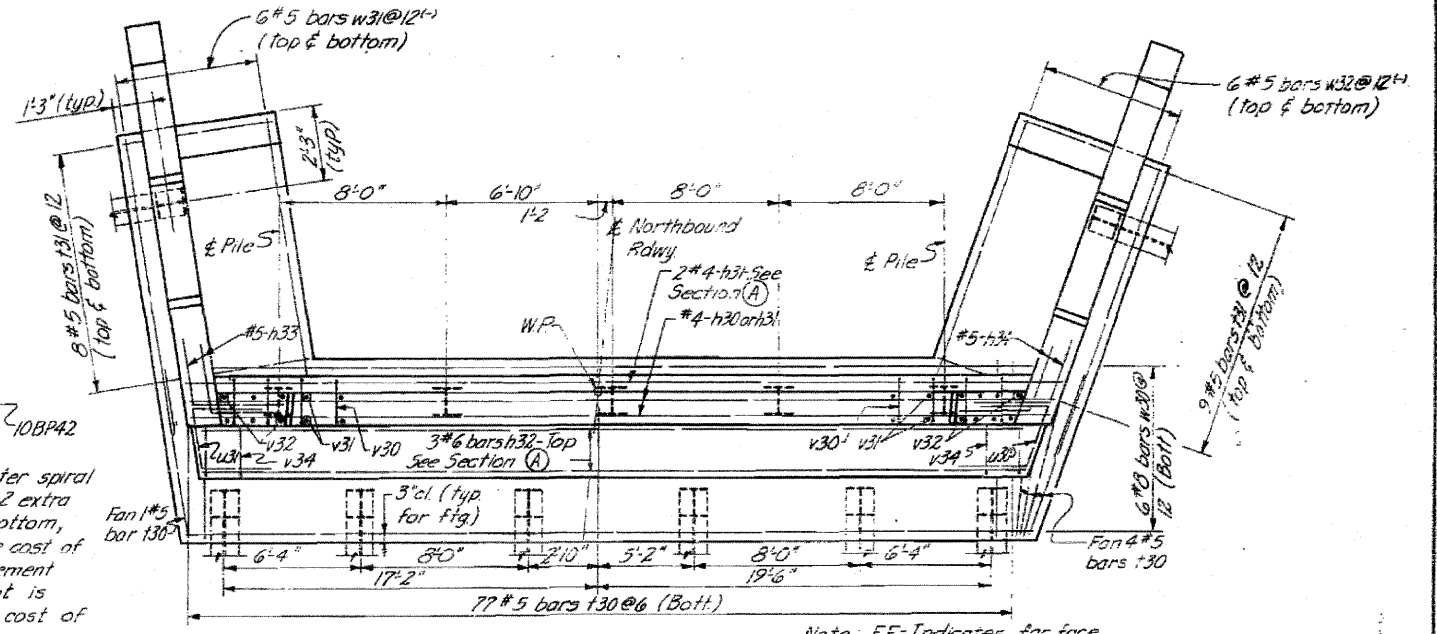
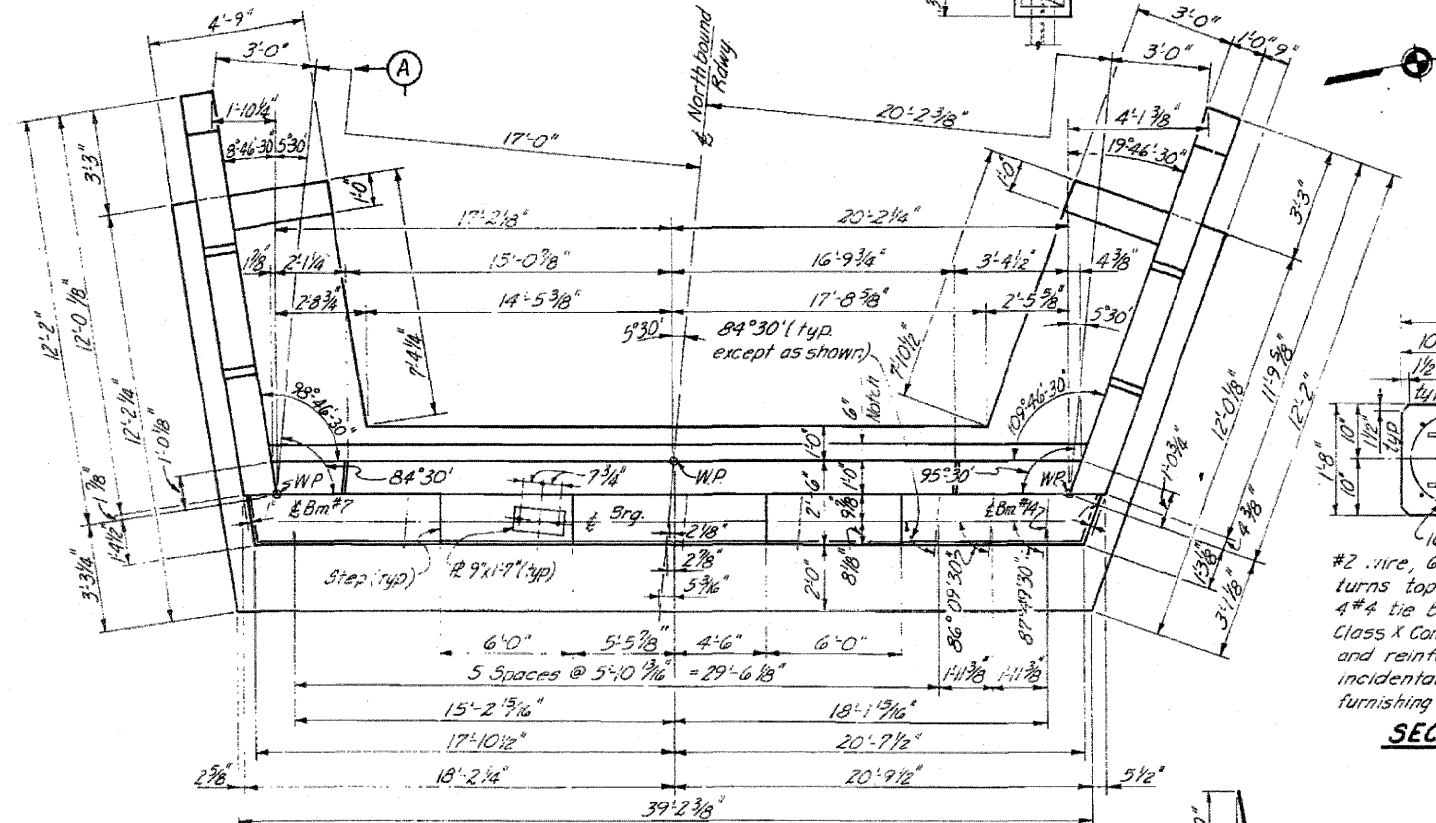
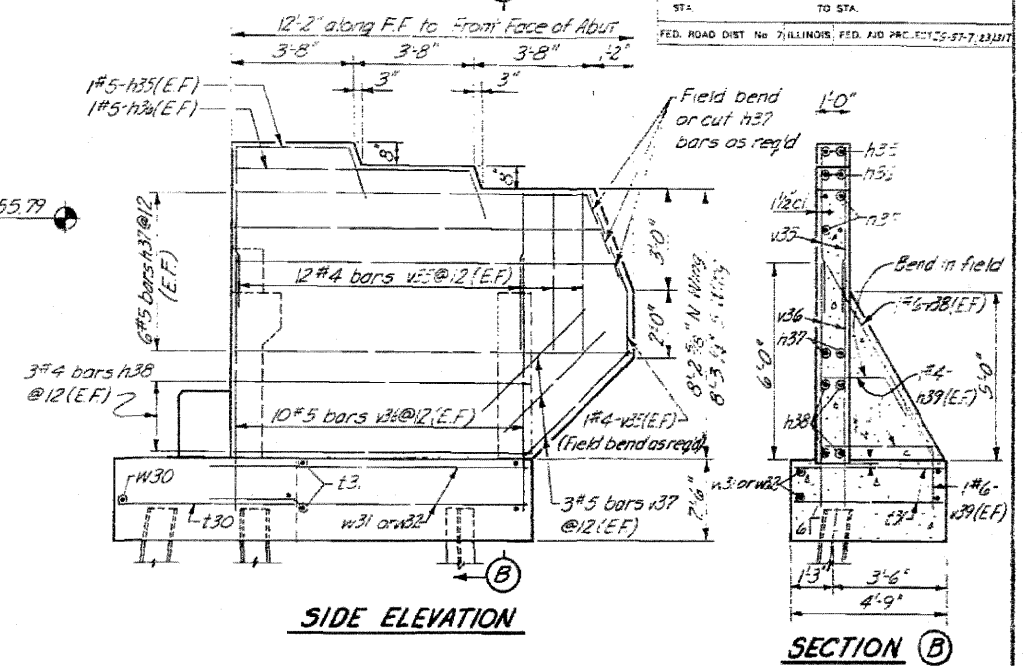
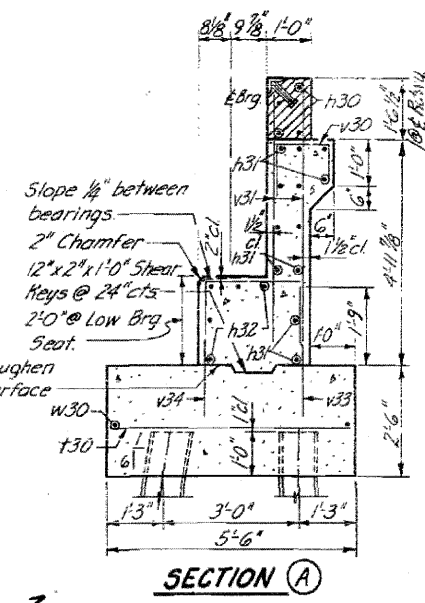
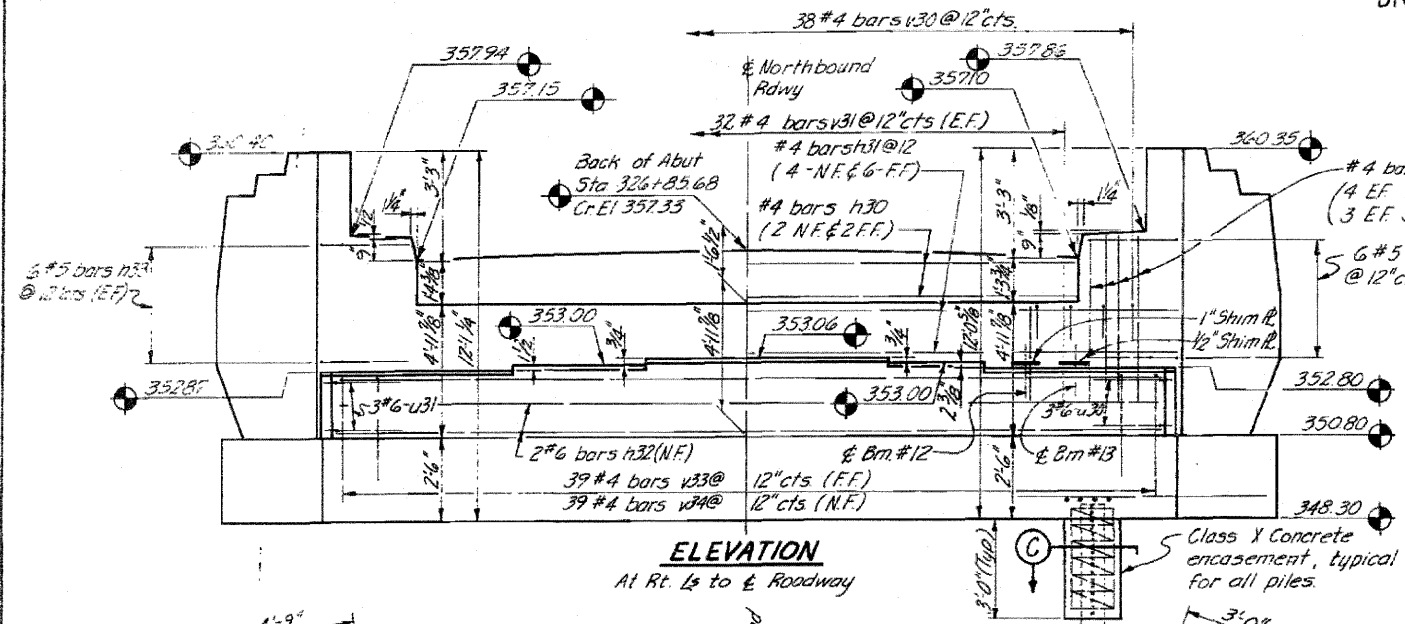
Item	Unit	Quantity
Class X Concrete	Cu Yd	594
Reinforcement Bars	Lbs	4590
Steel Piles (10BP42)	L.F.	434
Test Pile (Steel)	Each	1

ILLINOIS DIVISION OF HIGHWAYS
EAST ABUTMENT, NORTH BRIDGE
FAI RTE. 57 SEC. 46-2VB
KANKAKEE COUNTY
STA. 325+93.10

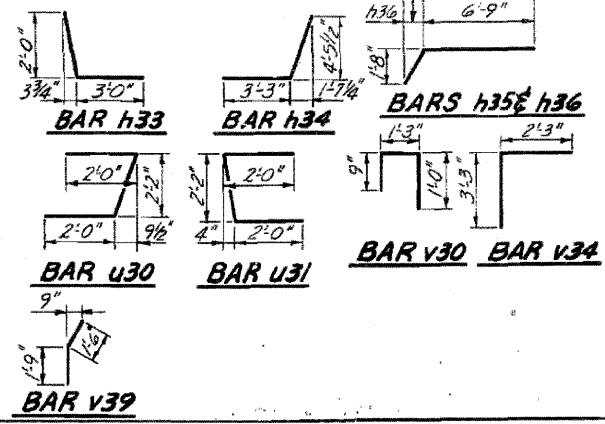
DESIGNED	L.J.L.	EXAMINED	
CHECKED	L.E.D.	PASSED	
DRAWN	L.S.	APPROVED	
CHECKED	L.J.L.		

FOR INFORMATION ONLY

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
74-1-57	46-2-VB	KANKAKEE	28	21
STA.	TO STA.			
	FED. ROAD DIST. No. ILLINOIS, FED. AID PROJ. E-12-57-7, 13, 17			



SECTION C



BAR LIST - ONE ABUTMENT

Bar No.	Size	Length	Shape	Bar No.	Size	Length	Shape
h30	#4	31'-6"	—	v30	#4	3'-0"	—
h31	#4	39'-3"	—	v31	#4	3'-9"	—
h32	#6	38'-3"	—	v32	#4	6'-6"	—
h33	#5	5'-0"	—	v33	#4	3'-0"	—
h34	#5	8'-0"	—	v34	#4	5'-4"	—
h35	#5	4'-9"	—	v35	#4	4'-9"	—
h36	#5	8'-6"	—	v36	#5	7'-6"	—
h37	#5	11'-9"	—	v37	#5	4'-6"	—
h38	#4	8'-9"	—	v38	#6	7'-0"	—
h39	#4	3'-6"	—	v39	#6	3'-3"	—
f30	#5	5'-0"	—	w30	#8	38'-9"	—
f31	#5	4'-3"	—	w31	#5	8'-9"	—
u30	#6	6'-4"	—	w32	#5	9'-3"	—
u31	#6	6'-3"	—				

BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	Cu Yd	85.4
Reinforcement Bars	Lbs	3954
Steel Piles (10BP42)	Lin Ft	390

DESIGNED	L.S.	EXAMINED	
CHECKED	L.S.	PASSED	
DRAWN	L.S.	APPROVED	
CHECKED	L.S.		

PILE DATA
Type: Steel 10BP42
Capacity: 35 Tons
Estimated Length: 30'
No Req'd for 1 abut: 13
All abutment piling to be encased.

ILLINOIS DIVISION OF HIGHWAYS
WEST ABUTMENT, NORTH BRIDGE
F.A.I. RTE. 57 SEC. 46-2-VB
KANKAKEE COUNTY
STA. 325 + 93.10

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

BORING NO. 1

STATION 325+03.5
OFFSET: 19.09' Lt.
DATE: 5-21-58
GROUND WATER DATA

DATE	TIME	ELEVATION	DESCRIPTION
Relative moisture content - Moist (All samples)			
ELEVATIONS	N	qu	DESCRIPTION
3405			Surface
340	3	-	Brown-Clayey Sandy Silt, trace of Gravel
335	13	-	
335	18	-	
3345	30	-	Gray & Brown-Sandy Clayey Silt, Trace of Gravel
330.5	43	8.6	
330	55	5.8	Gray-Clay & Silt, Trace of Sand & Gravel
328.5	56	-	
326.5	42	2.0	Gray & Brown-Clayey Silt Trace of Sand & Gravel
325	28	1.3	
	26	1.3	Gray-Silty Clay, Trace of Sand & Gravel
320	28	1.0	
318.5	99	-	Gray-Gray, Sandy Clayey Silt
317.5			End of Boring Probable Bedrock
315			

BORING NO. 2

STATION 325+09.4
OFFSET: 61.7' Rt.
DATE: 5-22-58
GROUND WATER DATA

DATE	TIME	ELEVATION	DESCRIPTION
Relative moisture content - Moist (All samples)			
ELEVATIONS	N	qu	DESCRIPTION
345			Surface
3423	6	-	Dark Brown-Clayey Sandy Silt, Trace of Gravel
3403	24	-	
340	24	-	
3383	24	37	Brown-Clayey Sandy Silt, Trace of Gravel
335	20	-	
3343	16	-	Brown-Clayey Silt, Trace of Sand & Gravel
330	50	5.2	
328.3	72	4.0	Gray Brown-Silt & Clay, Trace of Sand & Gravel
325	28	2.3	
	24	-	Gray-Silty Clay Trace of Sand & Gravel
320	35	1.4	
320	26	1.4	
320	97	-	Gray-Gray Sandy Silty Clay
3193			End of Boring Probable Bedrock
315			

BORING NO. 3

STATION 325+53.9
OFFSET: 47.8' Lt.
DATE: 5-20-58
GROUND WATER DATA

DATE	TIME	ELEVATION	DESCRIPTION
Relative moisture content - Moist (All samples)			
ELEVATIONS	N	qu	DESCRIPTION
330			Surface
3290	8	-	Block-Cinder Fill
3280	17	-	
3260	27	-	Gray-Clay & Silt, Trace of Sand & Gravel
325	25	-	
3220	100	-	Gray-Silty Sand & Gravel Trace of Clay
320			Gray-Clay & Silt, Trace of Sand & Gravel
			Yellow Brown-Silt Sand & Gravel
			End of Boring Probable Bedrock

BORING NO. 4

STATION 325+60.4
OFFSET: 19.9' Rt.
DATE: 5-20-58
GROUND WATER DATA

DATE	TIME	ELEVATION	DESCRIPTION
Relative moisture content - Moist (All samples)			
ELEVATIONS	N	qu	DESCRIPTION
330			Surface
3289	12	-	Block-Cinder Fill
325349	24	-	
	52	2.0	Gray-Clay & Silt, Trace of Sand & Gravel
3209	40	-	
320	133	-	Gray-Silty Sand & Gravel Trace of Clay
3194			End of Boring Probable Bedrock
315			

LEGEND
N - Relative Density - No of blows required to drive 1 3/8" ID x 2" OD sample spoon 1'-0" with 140 lb weight falling 30"
qu = Compressive Strength - Tons / Sq Ft
DB = Diamond Bit

BORING NO. 5

STATION 326+24.8
OFFSET: 19.9' Lt.
DATE: 5-20-58
GROUND WATER DATA

DATE	TIME	ELEVATION	DESCRIPTION
Relative moisture content - Moist (All samples)			
ELEVATIONS	N	qu	DESCRIPTION
330			Surface
3289	10	-	Block-Cinder Fill
3269	16	-	
325	28	1.6	Gray Brown-Clay & Silt, Trace of Sand & Gravel
3229	32	-	
3209	100	-	Brown-Sandy Silt, Trace of Gravel
320			Gray-Silty Sand & Gravel
3194			End of Boring Probable Bedrock
315			Yellow Brown-Silty Sand & Gravel
3129			Dolomitic Limestone 95% Core Recovery
310			End of Boring

BORING NO. 6

STATION 326+32.2
OFFSET: 56.7' Rt.
DATE: 5-20-58
GROUND WATER DATA

DATE	TIME	ELEVATION	DESCRIPTION
Relative moisture content - Moist (All samples)			
ELEVATIONS	N	qu	DESCRIPTION
330			Surface
3291	7	-	Block-Cinder Fill
3261	12	-	
325	-	-	Gray-Clay & Silt, Trace of Sand & Gravel
3237	35	2.2	
3228	100	-	Gray-Silty Sand & Gravel
320			End of Boring Probable Bedrock

BORING NO. 7

STATION 326+76.4
OFFSET: 44.8' Lt.
DATE: 5-21-58
GROUND WATER DATA

DATE	TIME	ELEVATION	DESCRIPTION
Relative moisture content - Moist (All samples)			
ELEVATIONS	N	qu	DESCRIPTION
345			Surface
3450	13	-	Dark Brown-Sandy Clayey Silt, Trace of Gravel
3430	17	-	
3410	30	-	
340	46	1.8	Gray & Brown-Sandy Clayey Silt, Trace of Gravel
3390	48	6.7	
335	46	5.4	Gray Brown-Silty Clay, Trace of Sand & Gravel
330	62	5.5	
3310	50	5.0	
3290	46	6.1	Brown-Silt & Clay, Trace of Sand & Gravel
325	43	4.2	
	52	3.1	Gray-Clayey Silt, Trace of Sand & Gravel
320	31	2.8	
	23	2.8	Gray-Clay & Silt, Trace of Sand & Gravel
3190			End of Boring Probable Bedrock
315			

BORING NO. 8

STATION 326+82.6
OFFSET: 19.9' Rt.
DATE: 5-21-58
GROUND WATER DATA

DATE	TIME	ELEVATION	DESCRIPTION
Relative moisture content - Moist (All samples)			
ELEVATIONS	N	qu	DESCRIPTION
345			Surface
3449	11	-	
	25	-	Yellow Brown-Sandy Clayey Silt, Trace of Gravel
340	40	2.6	
	45	5.2	
3369	51	-	Yellow Brown-Sandy Silt, Trace of Clay
3353349	69	4.3	
3329	48	-	Gray-Clay & Silt, Trace of Sand & Gravel
330	50	3.0	
3309	71	3.7	Gray & Brown-Sandy Silt, Trace of Clay
325	69	3.6	
	48	4.6	Gray-Clay & Silt, Trace of Sand & Gravel
3229	54	1.8	
3203201	100	-	Gray-Silty Clay, Trace of Sand & Gravel
			End of Boring Probable Bedrock

NOTE:
For location of soil borings see General Plan and Elevation.

DESIGNED	EXAMINED
CHECKED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN	PASSED
LC	ENGINEER OF DESIGN
CHECKED L.J.L.	APPROVED
	CHIEF HIGHWAY ENGINEER

ILLINOIS DIVISION OF HIGHWAYS
BORING DATA
FAI. RTE. 57 SEC. 46-2VB
KANKAKEE COUNTY
STA. 325+93.10

Added 4-26-11 FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

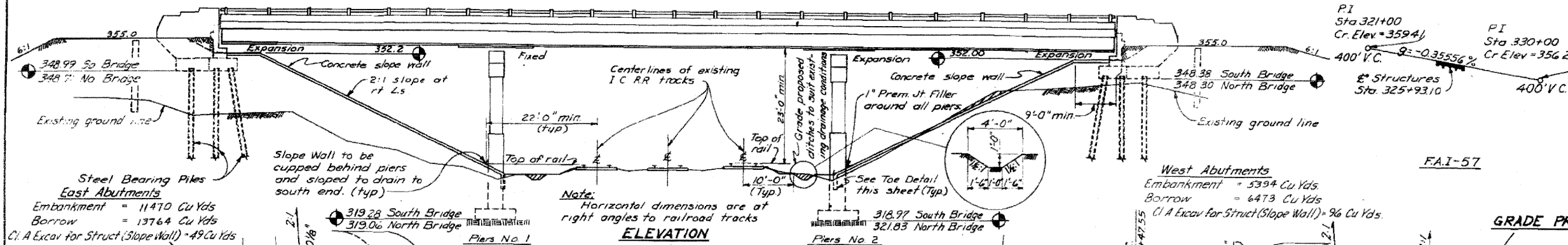
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2VB	KANKAKEE	26	6
STA.	TO STA.			
FED ROAD DIST. NO. 7	ILLINOIS		FED AID PROJECT 2657-10-1	

TOP OF WEST RAIL ELEVATIONS

Station	E Track	Ch Track	W Track
1321	328.91	329.13	329.18
1322	329.16	329.36	329.46
1323	329.44	329.61	329.76
1324	329.71	329.88	330.07
1325	330.02	330.20	330.39
1326	330.26	330.50	330.64
1327	330.50	330.79	331.00
1328	330.76	331.08	331.26
1329	331.05	331.33	331.60
1330	331.33	331.61	331.89
1331	331.67	331.89	332.21
1332	332.00	332.17	332.48
1333	332.32	332.48	332.74

B.M. #8 - RR spt. in N side telegraph pole
252.5' Lt. Sta. 326+62 (E.F.A.I. 57)
Elev. 345.24

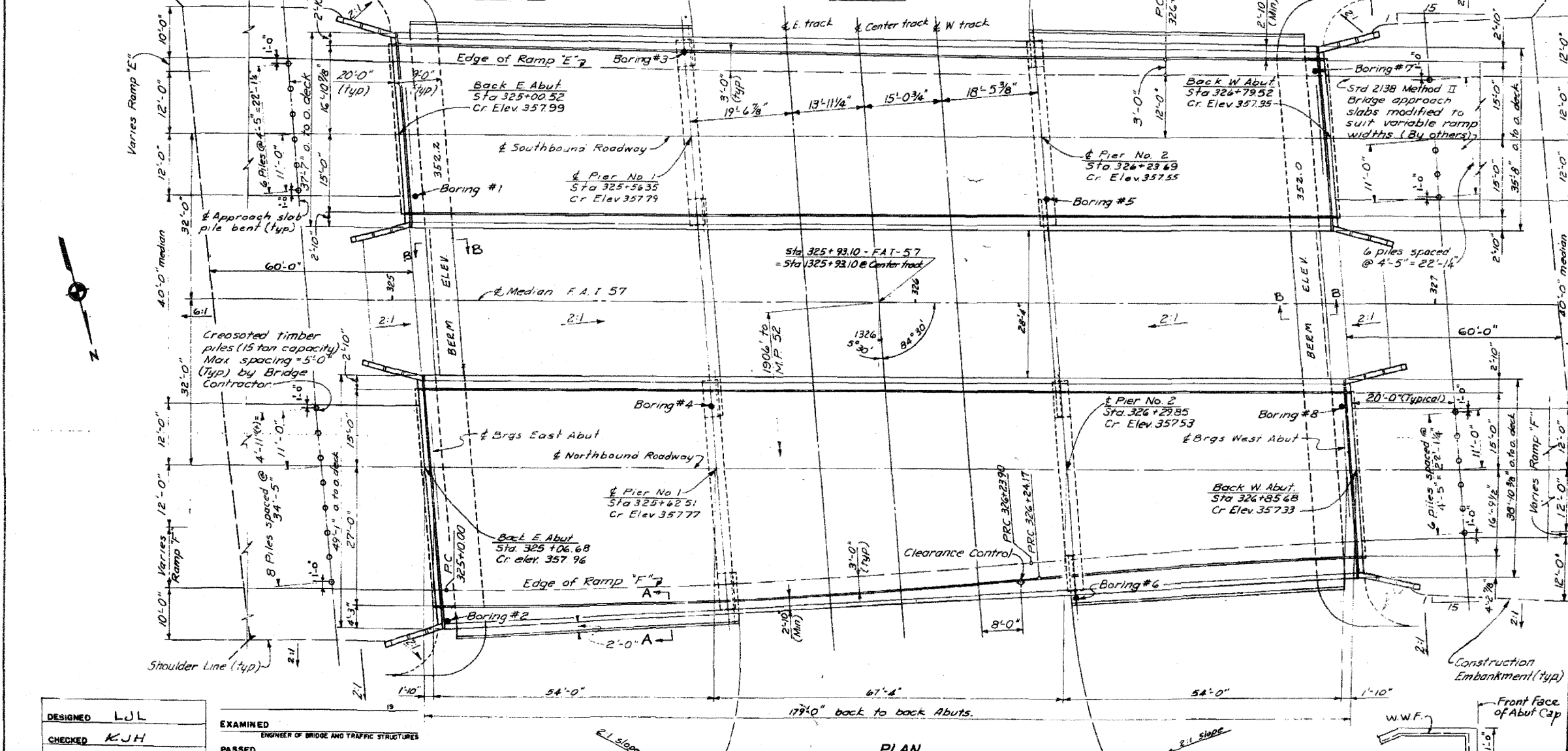
No existing structure



Steel Bearing Piles East Abutments
Embankment = 11470 Cu Yds
Borrow = 13764 Cu Yds
C.I.A. Excav for Struct (Slope Wall) = 49 Cu Yds

West Abutments
Embankment = 5394 Cu Yds
Borrow = 4473 Cu Yds
C.I.A. Excav for Struct (Slope Wall) = 96 Cu Yds

ELEVATION
Note: Horizontal dimensions are at right angles to railroad tracks

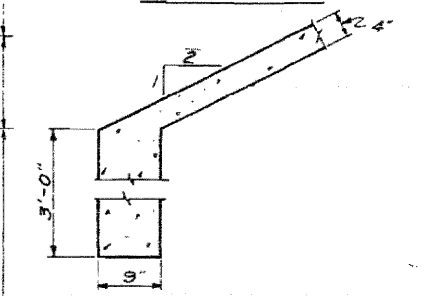
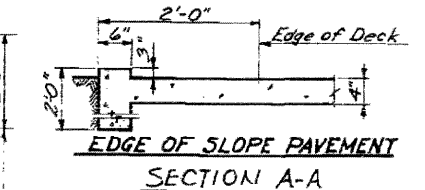


DESIGNED	L.J.L.
CHECKED	K.J.H.
DRAWN	L.S.
CHECKED	L.J.L.

EXAMINED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED	ENGINEER OF DESIGN
APPROVED	CHIEF HIGHWAY ENGINEER

REVISIONS:
1. Extended slope wall between bridges, changed slope wall quantity from 116 Sq Yds to 1480 Sq Yds, revised embank (not quantity).
2. Added Sec. B, B & 1760 Sq Yds of Protective Coat.
3. Reduced App. Pile length to 15 ft./Ea. and total length from 922 lin. ft. to 370 lin. ft.
12-20-62

GRADE PROFILES



APPROACH SLAB PILE
Capacity: 15 Tons
Est. Length: 15 ft./Ea.
Total No. Req'd: 26

BILL OF MATERIAL

Item	Unit	Quantity
Protective Coat	Sq. Yd.	1,760
Slope Wall	Sq. Yd.	1,480
Crescated Piles (upto 20')	Lin. Ft.	390
Borrow Excavation	Cu Yds	202.37

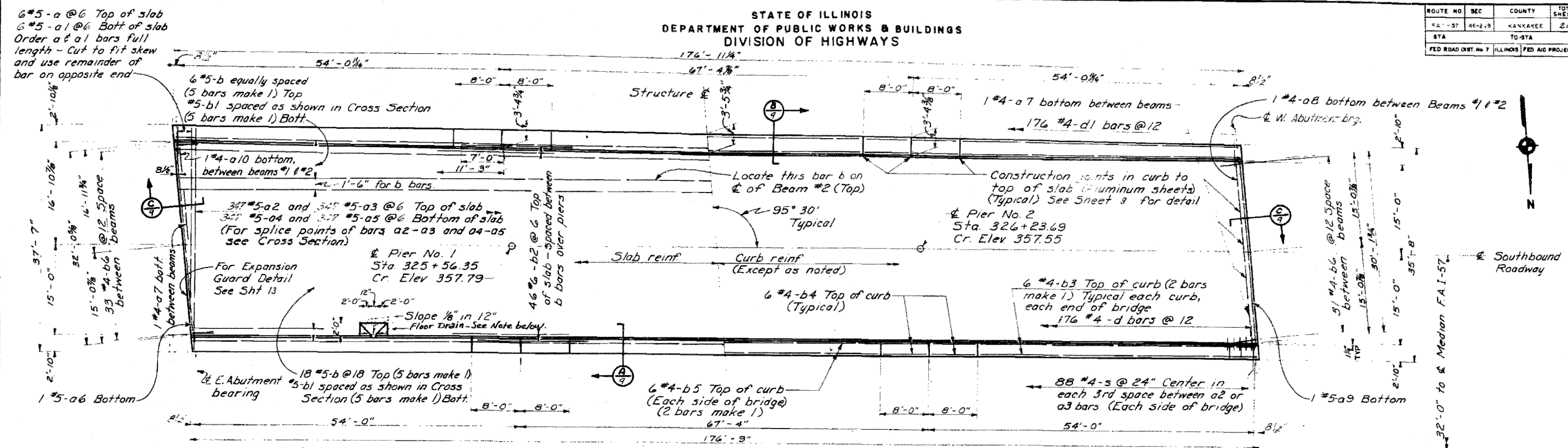
Note: Excavation required for grading of proposed railroad ditches and shaping of West Abutment berm is incidental to cost of Borrow Excavation.

ILLINOIS DIVISION OF HIGHWAYS
FAI-57 OVER ILLINOIS CENTRAL R.R.
GENERAL PLAN AND ELEVATION
FAI. RTE. 57 SEC. 46-2VB
KANKAKEE COUNTY
STA. 325+93.10
Added 4-26-11

FOR INFORMATION ONLY

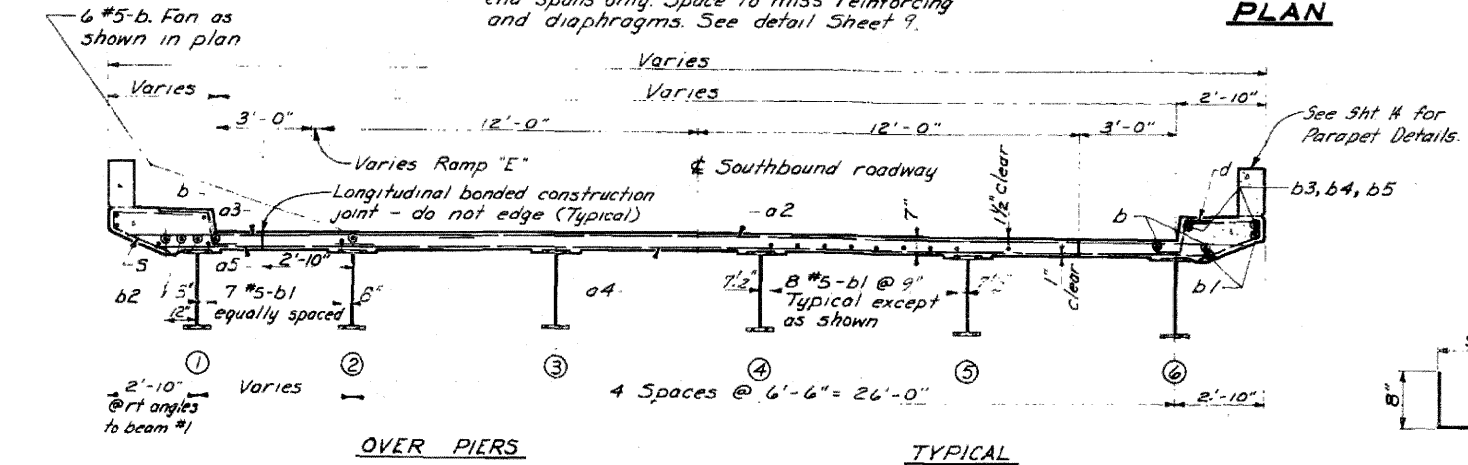
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
57	46-2-B	KANKAKEE	28	7
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT: 52-1-1-1		



Note:
Floor drains spaced @ 8'-0"± each curb, end spans only. Space to miss reinforcing and diaphragms. See detail Sheet 9.

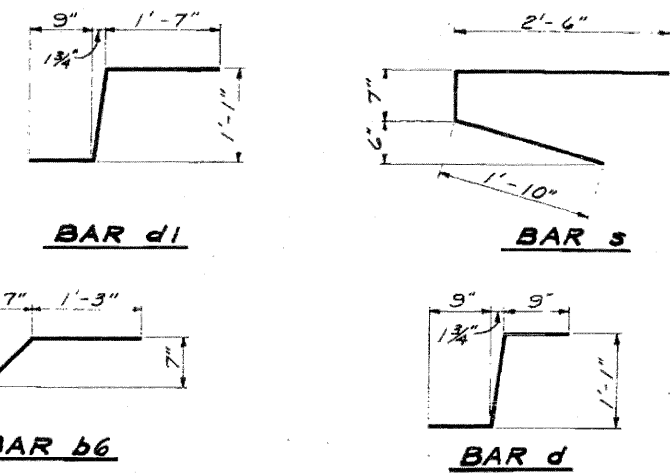
PLAN



CROSS SECTION

(Looking West)

Note. See Sheet 9 for Crown Diagram, and method of determining fillet height



SUPERSTRUCTURE SOUTH BRIDGE

BILL OF MATERIAL

Bar No.	Size	Length	Shape
a	#5	37'-4"	
a1	#5	34'-8"	
a2	#5	25'-6"	
a3	#5	17'-9"	
a4	#5	28'-0"	
a5	#5	7'-6"	
a6	#5	31'-8"	
a7	#4	6'-3"	
a8	#4	3'-8"	
a9	#5	29'-10"	
a10	#4	5'-6"	
b	#5	36'-6"	
b1	#5	36'-3"	
b2	#6	18'-3"	
b3	#4	24'-0"	
b4	#4	7'-9"	
b5	#4	24'-0"	
b6	#4	3'-6"	
d	#4	2'-7"	J
d1	#4	3'-4"	J
s	#4	4'-11"	J
Class X Concrete Cu Yd.			173.8
Reinforcement Bars Lb.			44,959
Structural Steel Lb.			33,089
Name Plates Each			1

TOTAL BILL OF MATERIAL SUPERSTRUCTURE

Class X Concrete	Cu Yd.	173.8
Reinforcement Bars	Lb.	44,959
Structural Steel	Lb.	33,089
Handrail	Lin Ft.	706.5
Name Plates	Each	2

* Includes parapet quantities. (Sht 14)

* Weight of Bolsters, Rockers, Bearing Plates, Lead Plates and Anchor Bolts included as Structural Steel. Estimated weight = 5,810 Lb.

ILLINOIS DIVISION OF HIGHWAYS
SLAB REINFORCEMENT, SOUTH BRIDGE
F.A.I. RTE 57 SEC. 46-2VB
KANKAKEE COUNTY
STA. 325 + 93.10

DESIGNED	LJL	EXAMINED	
CHECKED	KJH	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES	
DRAWN	JNG	PASSED	
CHECKED	KJH	ENGINEER OF DESIGN	
		APPROVED	
		CHIEF HIGHWAY ENGINEER	

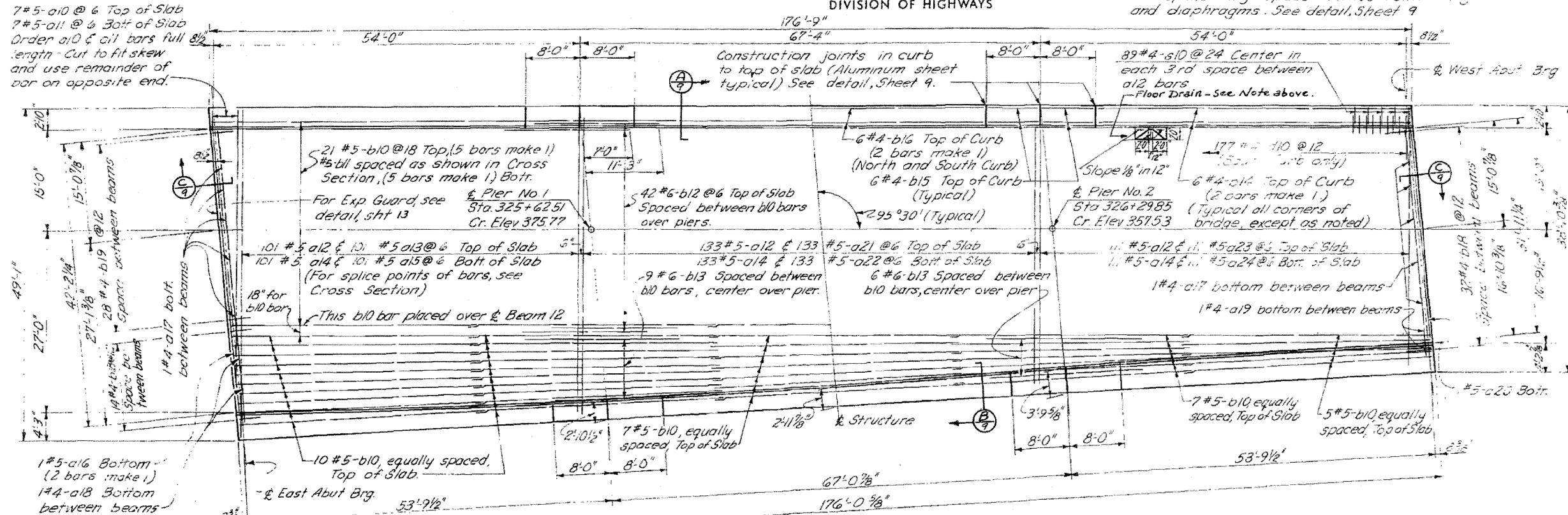
FOR INFORMATION ONLY Added 4-26-11

REVISIONS:
Changed b6 bars from #6 to #5 & revised bar weight from 42.039 to 44.959 & 105.722 for So. Bridge & E. Bridges respectively.
S. E. 12-20-62

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Note:
Floor drains spaced @ 8'-0" ± each curb, end spans only. Space to miss reinforcing and diaphragms. See detail, Sheet 9

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
46-2-18	KANKAKEE	ILLINOIS	28	6

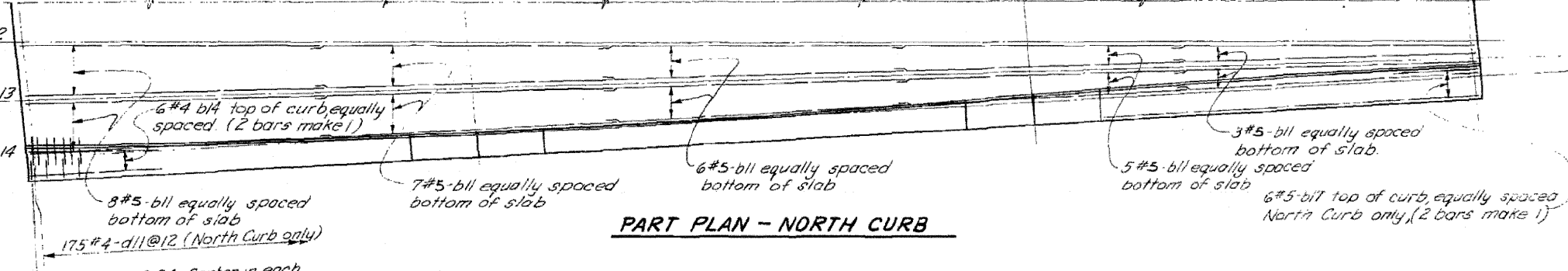


PLAN

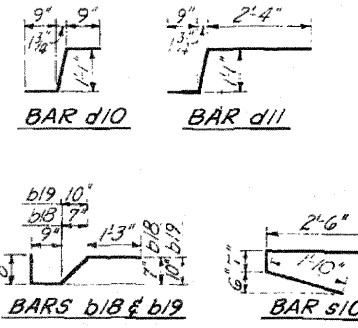
SUPERSTRUCTURE NO. BR. BILL OF MATERIAL

Bar No.	Size	Length	Shape
a10	#5	40'-6"	---
a11	#5	39'-6"	---
a12	#5	23'-0"	---
a13	#5	25'-9"	---
a14	#5	25'-6"	---
a15	#5	21'-9"	---
a16	#5	22'-6"	---
a17	#5	5'-8"	---
a18	#5	2'-9"	---
a19	#5	2'-9"	---
a20	#5	35'-9"	---
a21	#5	22'-0"	---
a22	#5	19'-3"	---
a23	#5	19'-0"	---
a24	#5	15'-3"	---

Bar No.	Size	Length	Shape
b10	#5	36'-6"	---
b11	#5	36'-3"	---
b12	#6	18'-3"	---
b13	#6	22'-6"	---
b14	#4	23'-9"	---
b15	#4	7'-6"	---
b16	#4	26'-0"	---
b17	#5	23'-9"	---
b18	#4	3'-6"	---
b19	#4	3'-10"	---
b20	#4	2'-9"	---
b21	#4	4'-2"	---

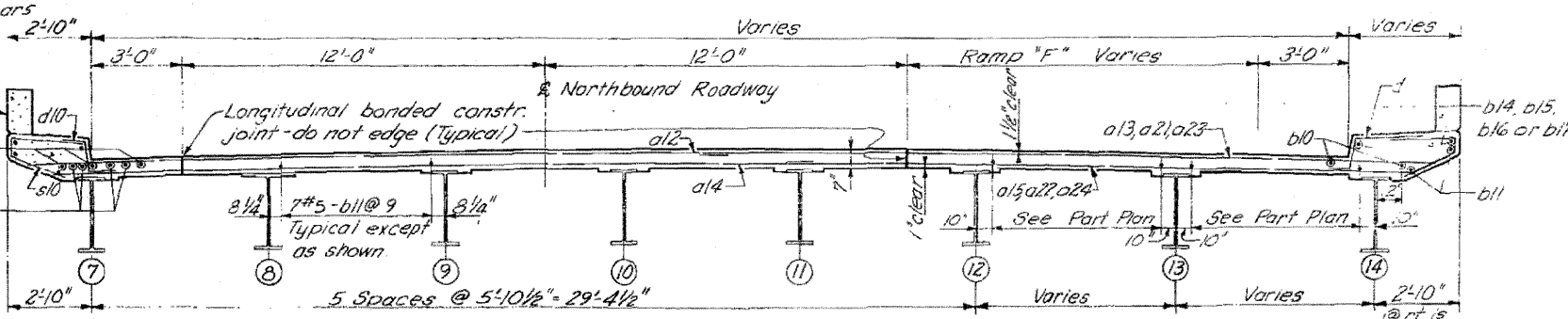


PART PLAN - NORTH CURB



BAR DETAILS

DESIGNED	LJL	EXAMINED	---
CHECKED	KJH	PASSED	---
DRAWN	L.S.	APPROVED	---
CHECKED	KJH		



CROSS SECTION (Looking West)

Note:
See Sheet 9 for Crown Diagram, and method of determining fillet height

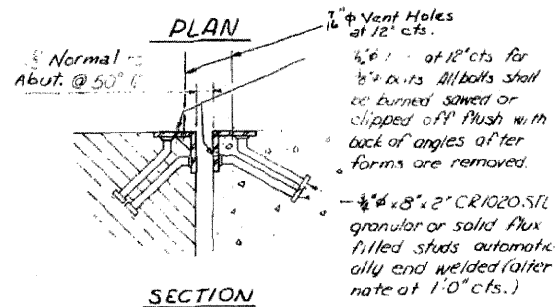
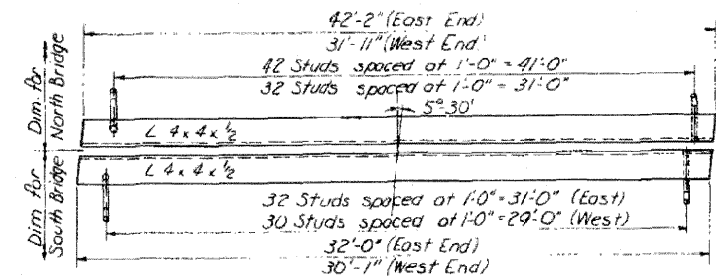
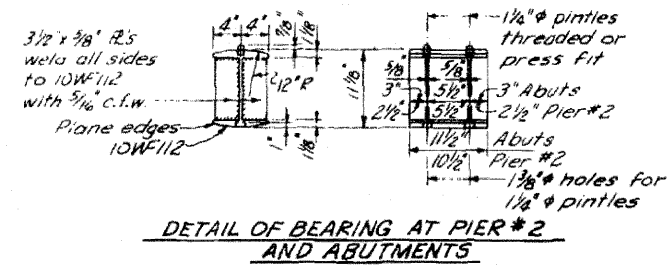
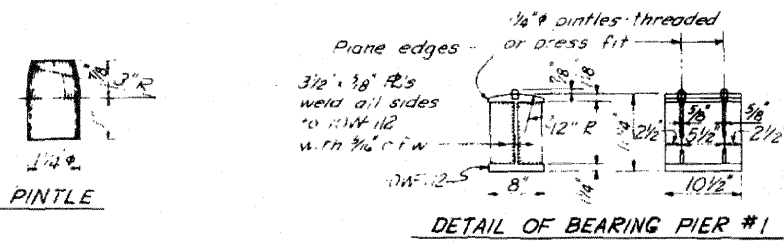
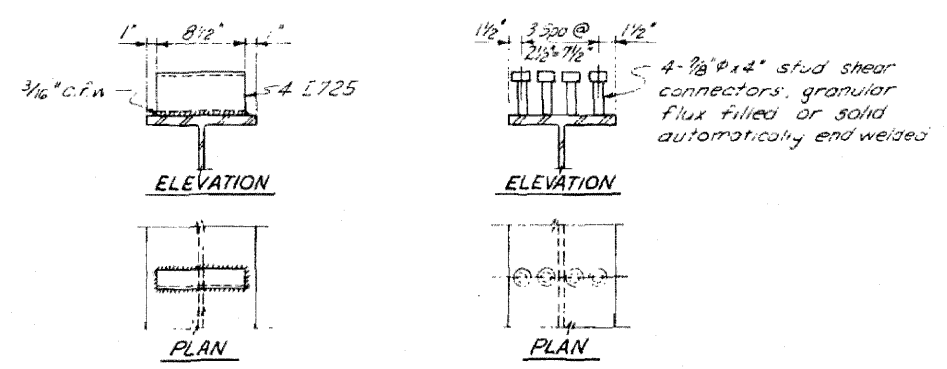
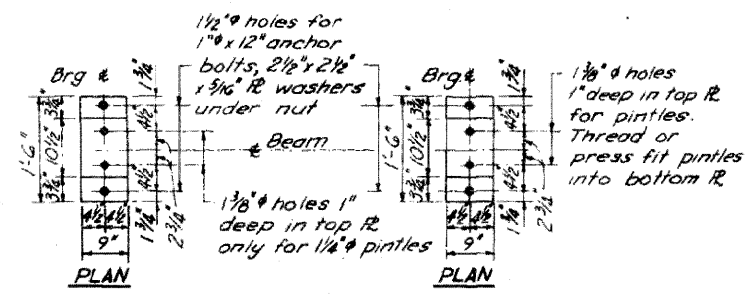
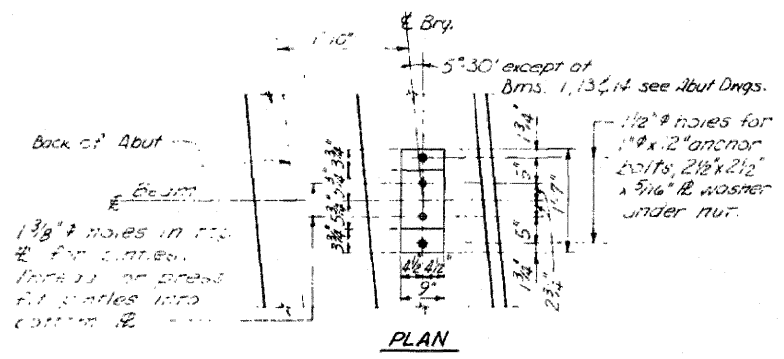
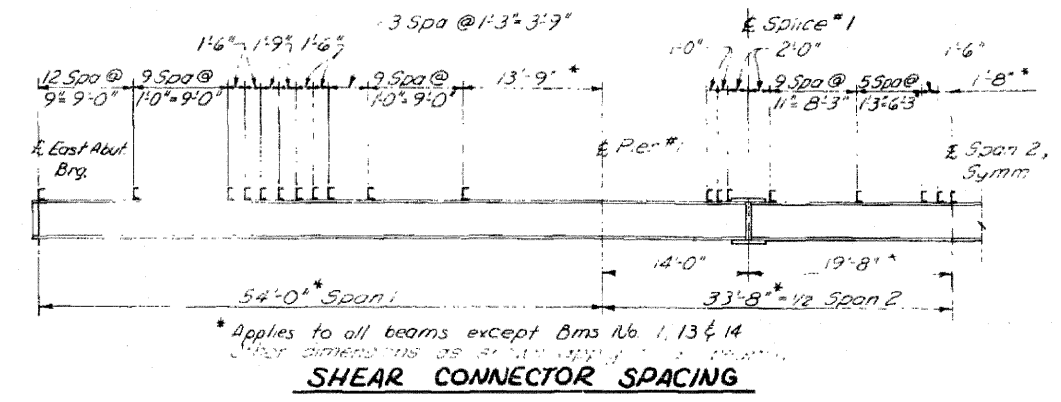
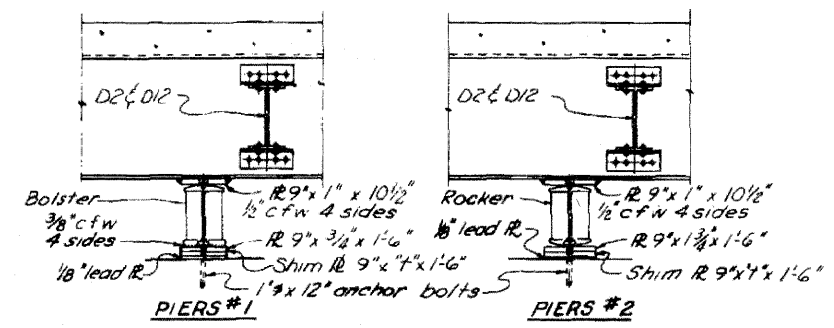
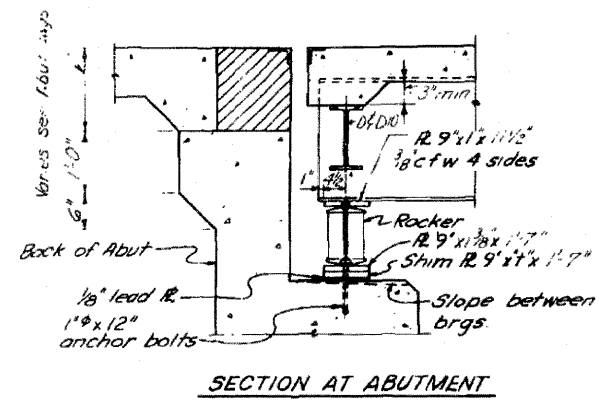
ILLINOIS DIVISION OF HIGHWAYS
SLAB REINFORCEMENT, NORTH BRIDGE
F.A.I. RTE. 57 SEC. 46-2VB
KANKAKEE COUNTY
Added STA. 325+93.10
4-26-62

FOR INFORMATION ONLY

REVISIONS:
Changed by bars from #6 to #5, revised bar weight from 50,415 lbs. to 53,855 lbs.
S.E. 12-20-62

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

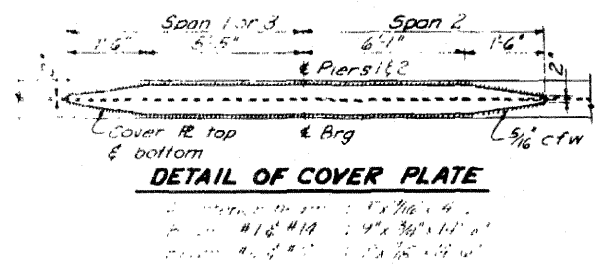
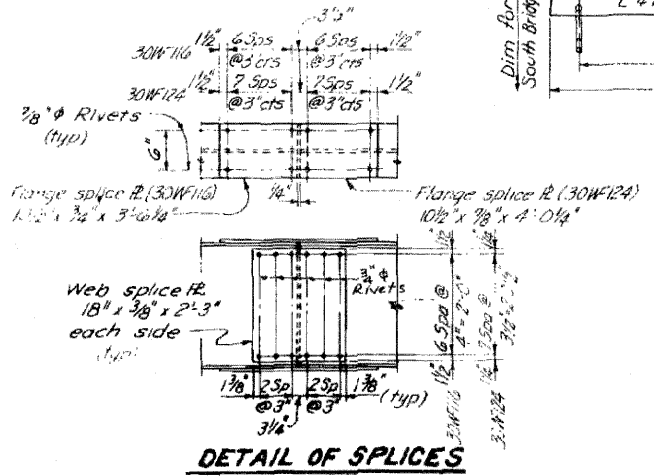
ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
FAI 57	46	KANKAKEE	28	27
STA	TO STA			
FED ROAD DIST NO 7 ILLINOIS FED AID PROJECT 16-57-7(2)JUN				



BEARING DETAILS

LOCATION	Width x T x Length
SOUTH BRIDGE	
East Abut. Bm (4)	9' x 1/8" x 1'-7"
Pier #1 Bm (4)	9' x 1/8" x 1'-6"
Pier #2 Bm (4)	9' x 1/8" x 1'-6"
Pier #3 Bm (7)	4' x 3/8" x 1'-6"
West Abut. Bm (4)	9' x 1/8" x 1'-7"
NORTH BRIDGE	
West Abut. Bm (4)	9' x 1/8" x 1'-7"
West Abut. Bm (4)	9' x 1/8" x 1'-7"

TABLE OF T DIMENSIONS



DESIGNED	R.J.H.	EXAMINED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
CHECKED	L.J.L.	PASSED	ENGINEER OF DESIGN
DRAWN	L.S.	APPROVED	CHIEF HIGHWAY ENGINEER
CHECKED	L.J.L.		

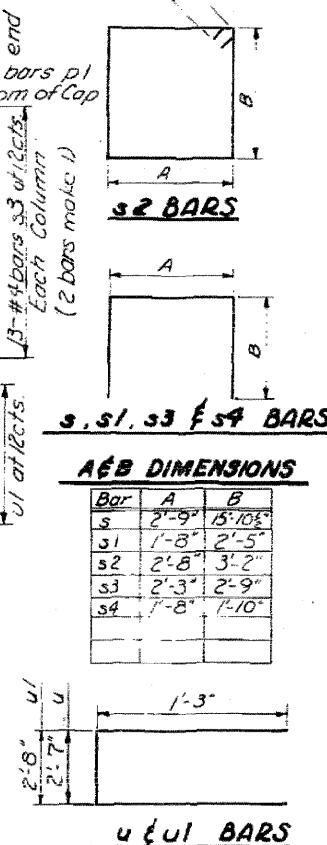
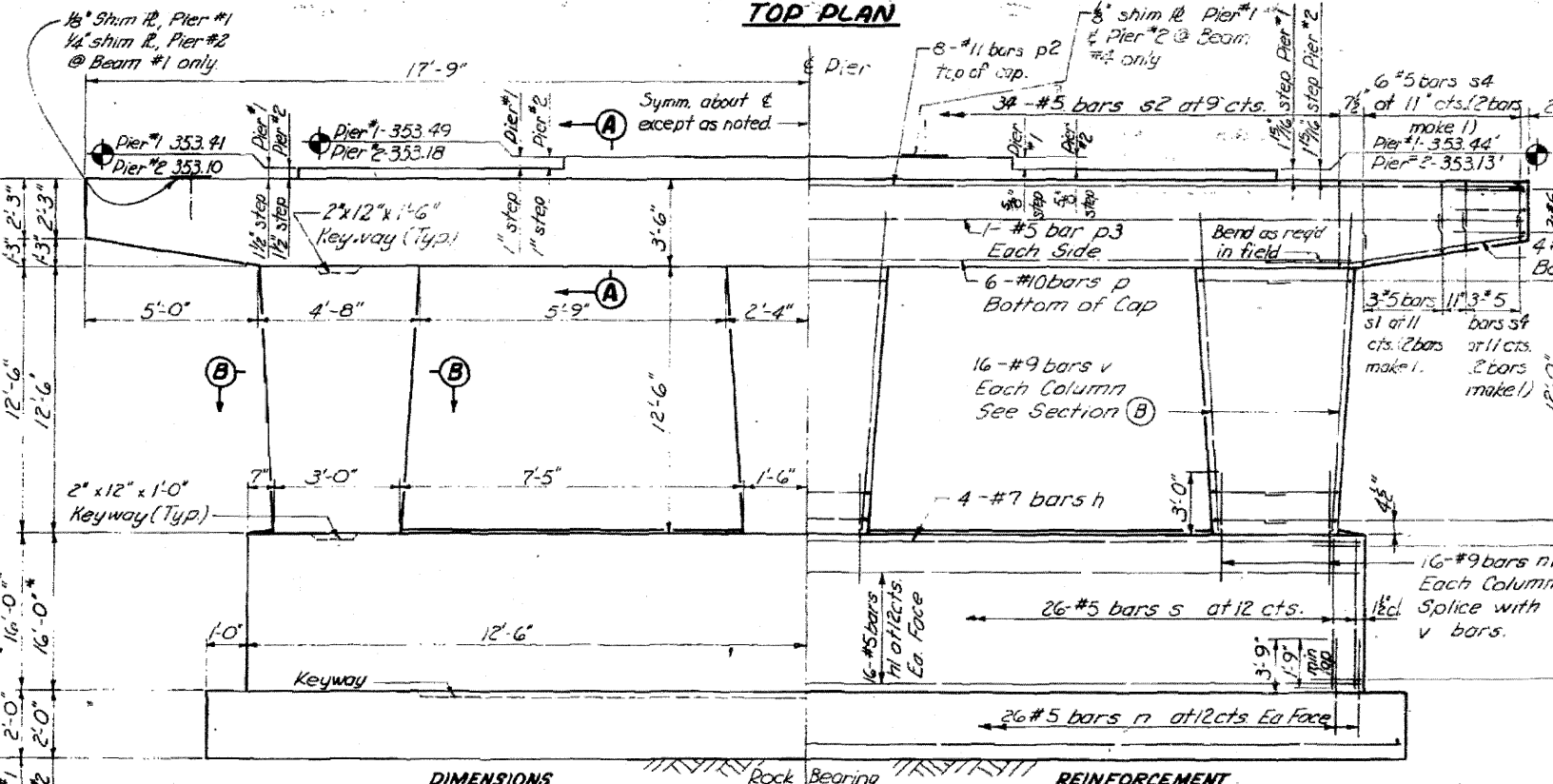
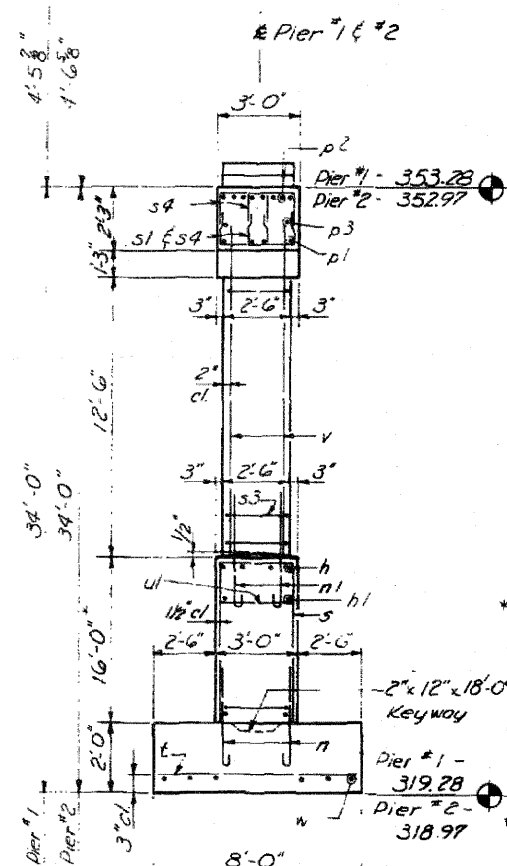
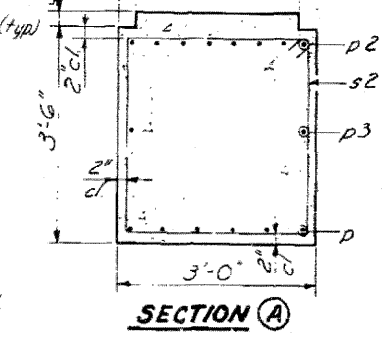
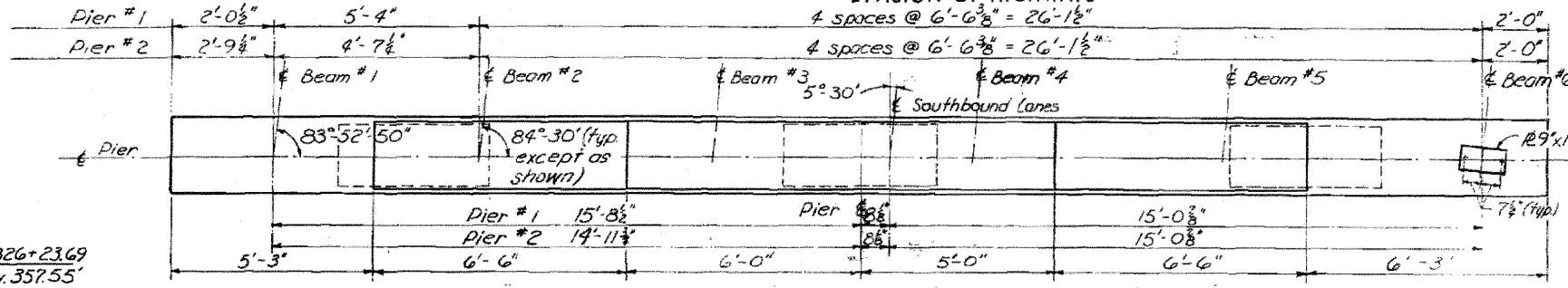
ILLINOIS DIVISION OF HIGHWAYS
STRUCTURAL STEEL DETAILS
FAI. RTE 57 SEC 46 - 2VB
KANKAKEE COUNTY
STA. 325 + 93.10

Added 4-26-11

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
FAI - 57	46-2VB	KANKAKEE	28	5
STA	TO STA			
FED. ROAD DIST. NO. 7 ILLINOIS, FED. AID PROJECT 20-57-733-37				

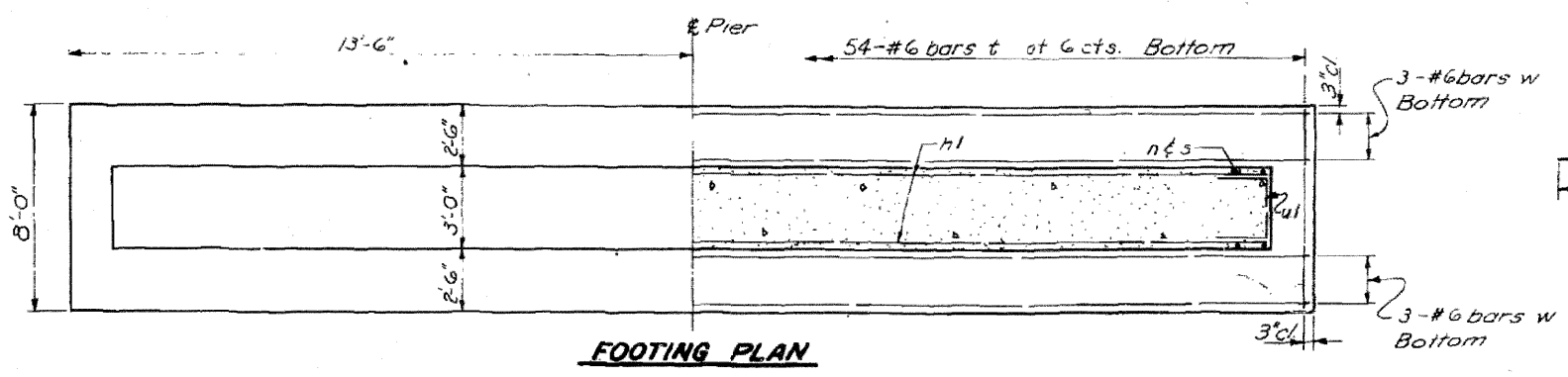


PIERS NO. 1 & 2 SOUTH BRIDGE
BILL OF MATERIAL - TWO PIERS

Bar No	Size	Length	Shape
h	#7	24'-9"	—
h1	#5	24'-9"	—
n	#5	6'-1"	U
n	#9	6'-0"	U
p	#10	25'-6"	—
p1	#5	6'-0"	—
p2	#11	35'-2"	—
p3	#5	35'-2"	—
s	#5	34'-6"	□
s1	#5	6'-6"	□
s2	#5	12'-8"	□
s3	#4	7'-9"	□
s4	#5	5'-4"	□
t	#6	7'-5"	—
u	#6	5'-1"	—
u1	#6	5'-2"	—
v	#9	15'-0"	—
w	#6	26'-5"	—

Bar	Size	Length	Shape
u	#6	7'-5"	—
u1	#6	7'-5"	—
u	#6	7'-5"	—
u1	#6	7'-5"	—
u	#6	7'-5"	—
u1	#6	7'-5"	—
u	#6	7'-5"	—
u1	#6	7'-5"	—
u	#6	7'-5"	—
u1	#6	7'-5"	—

NOTE
Reinforcing detailed to allow for change in elevation in accordance with Art. 5.110 (b) of the Standard Specifications.



Added 4-26-11

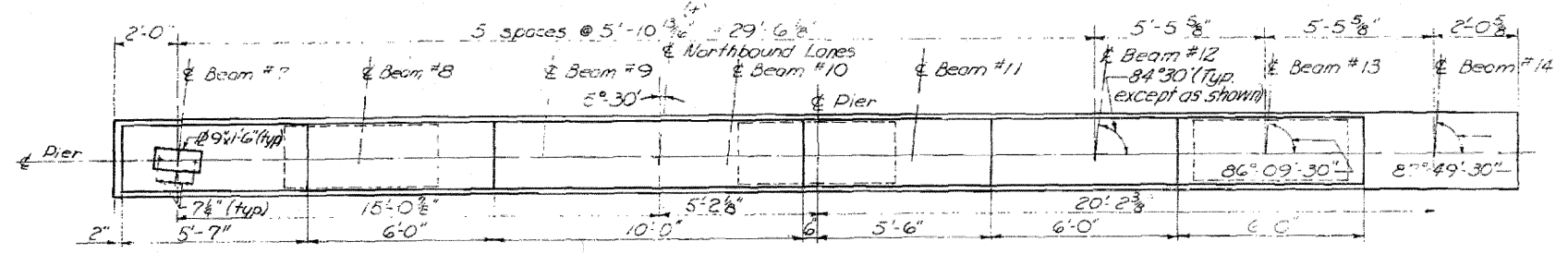
FOR INFORMATION ONLY

DESIGNED	VNS	EXAMINED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
CHECKED	D.N.	PASSED	
DRAWN	JLC	APPROVED	ENGINEER OF DESIGN
CHECKED	KJH		CHIEF HIGHWAY ENGINEER

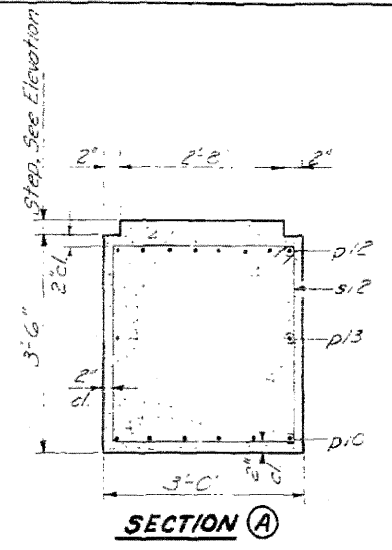
ILLINOIS DIVISION OF HIGHWAYS
PIERS NO. 1 & 2, SOUTH BRIDGE
FAI RTE. 57 SEC. 46-2VB
KANKAKEE COUNTY
STA. 325+93.10

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Contract 66409 375F.
ROUTE NO. SEC. COUNTY TOTAL SHEETS
FA. RTE. 57 SEC. 46-2VB KANKAKEE 28 3
STA. 325+93.10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT NO. 20-27-26-27

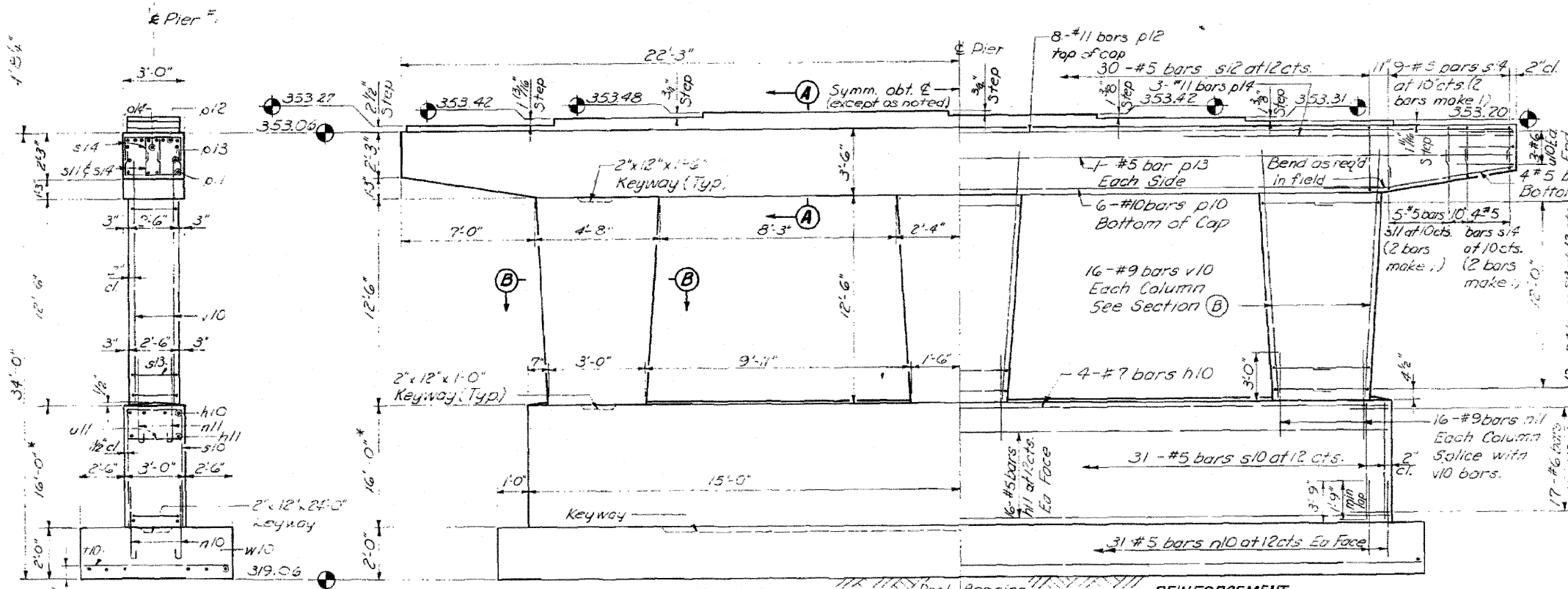


TOP PLAN

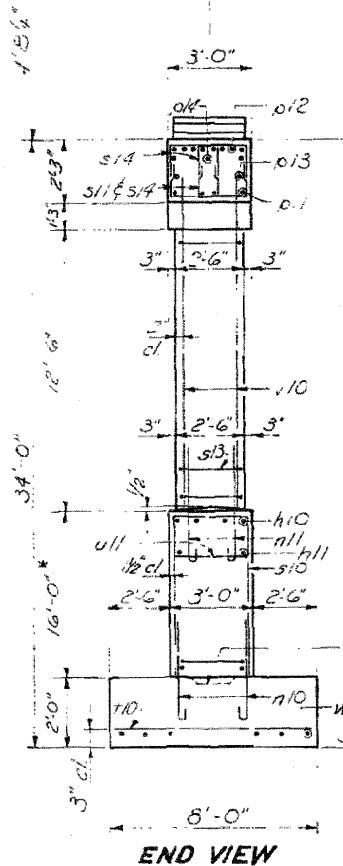


SECTION A

SECTION B



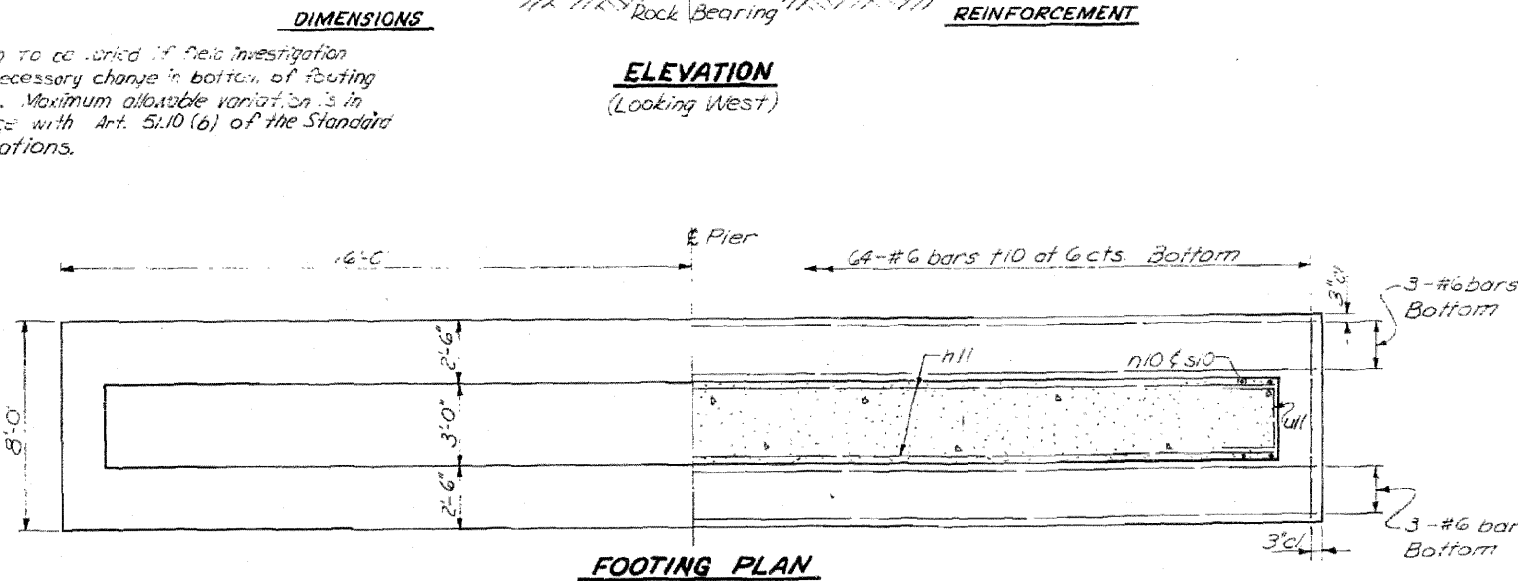
ELEVATION
(Looking West)



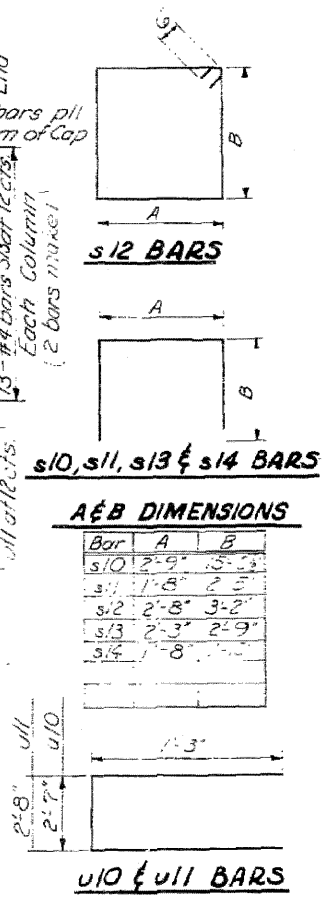
END VIEW

* Dimension to be varied if field investigation reveals necessary change in bottom of footing elevation. Maximum allowable variation is in accordance with Art. 5.10 (b) of the Standard Specifications.

NOTE:
All edges shall have standard 3/4" chamfer except footing.



FOOTING PLAN



A&B DIMENSIONS

Bar	A	B
s10	2'-9"	3'-3"
s11	1'-8"	2'-5"
s12	2'-8"	3'-2"
s13	2'-3"	2'-9"
s14	1'-8"	2'-5"

PIER NO. 1 NORTH BRIDGE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p12	4	#7	29'-3"	—
p13	32	#5	29'-9"	—
p10	62	#5	6'-0"	—
n11	48	#9	3'-0"	—
p1	6	#10	30'-6"	—
p2	18	#5	8'-0"	—
p3	18	#5	24'-2"	—
s14	6	#5	5'-0"	—
s10	31	#5	3'-6"	—
s11	20	#5	6'-6"	—
s12	30	#5	12'-8"	—
s13	28	#4	7'-9"	—
s14	52	#5	5'-4"	—
u10	6	#6	5'-7"	—
u11	34	#6	5'-2"	—
v10	48	#9	1'-5"	—
w10	6	#6	3'-6"	—

NOTE:
Reinforcing details to show for change in elevation in accordance with Art. 5.10 (b) of the Standard Specifications.

DESIGNED **VNS**
CHECKED **D.N.**
DRAWN **J.C.**
CHECKED **R.J.H.**

EXAMINED
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER IN CHARGE
APPROVED
CHIEF HIGHWAY ENGINEER

ILLINOIS DIVISION OF HIGHWAYS
PIER NO. 1, NORTH BRIDGE
F.A.I. RTE. 57 SEC. 46-2VB
KANKAKEE COUNTY
STA. 325+93.10

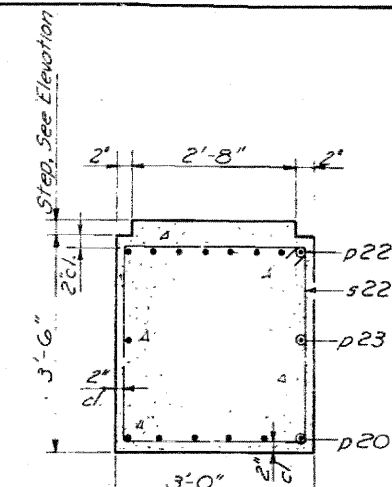
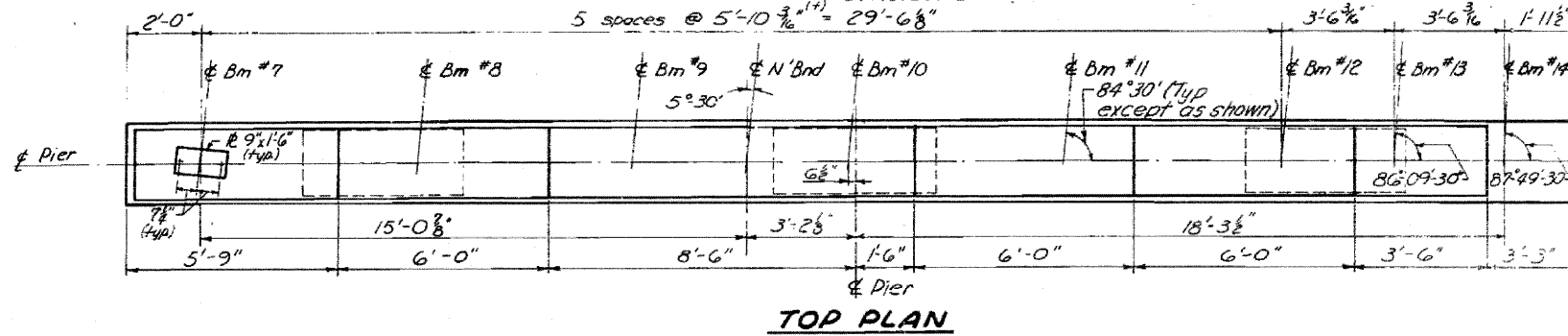
Added 4-26-11

FOR INFORMATION ONLY

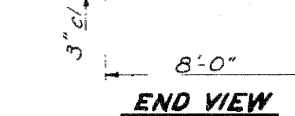
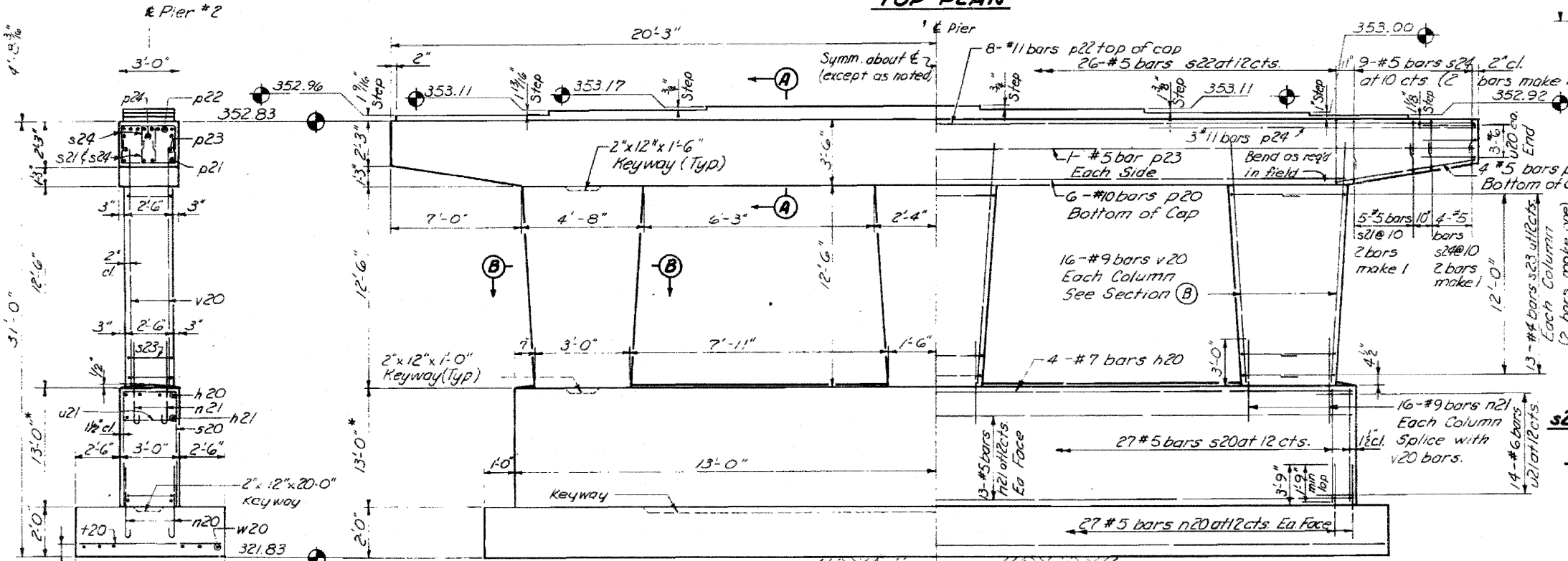
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Contract 66409 3756

ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
46-2VB		KANKAKEE	28	17
STA	TO STA			
FED ROAD DIST NO 7 ILLINOIS FED AID PROJECT 2-57-2131				

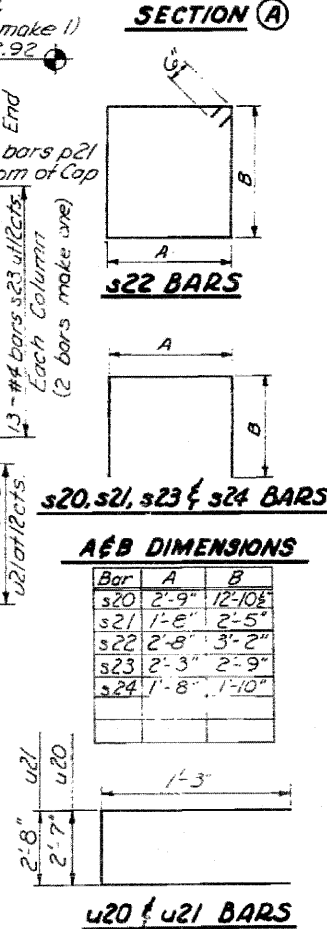


Sta 326+29.85
Clev 357.55



* Dimension to be varied if field investigation reveals necessary change in bottom of footing elevation. Maximum allowable variation is in accordance with Art. 51.10(b) of the Standard Specifications.

NOTE:
All edges shall have standard 3/4" chamfer except footing.



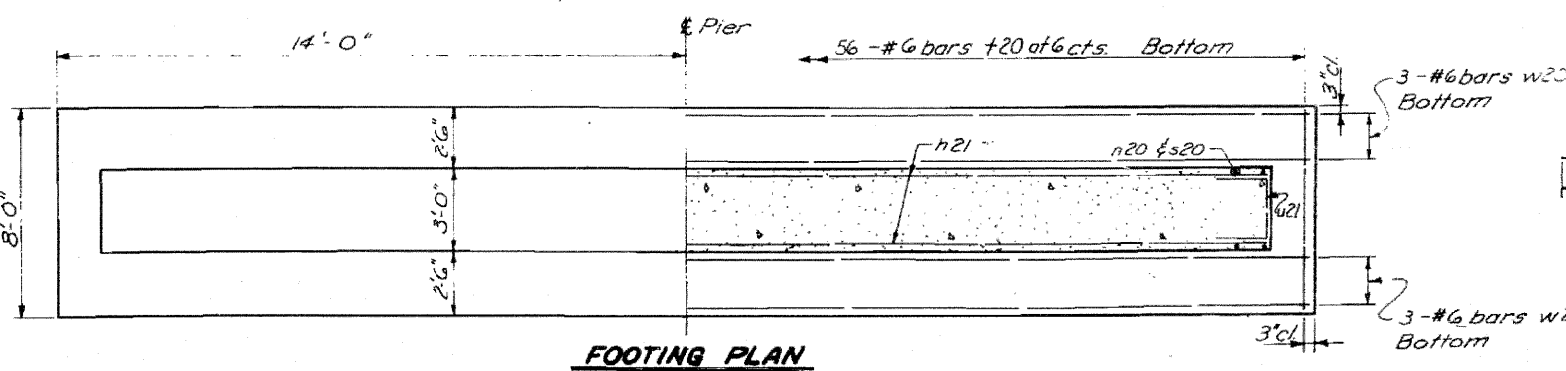
PIER NO. 2 NORTH BRIDGE

BILL OF MATERIAL

Bar No.	Size	Length	Shape
h20	#7	25'-9"	
h21	#5	25'-9"	
n20	#5	6'-1"	U
n21	#9	6'-0"	U
p20	#10	26'-6"	
p21	#5	8'-0"	
p22	#7	40'-2"	
p23	#5	40'-2"	
p24	#7	14'-0"	
s20	#5	28'-6"	
s21	#5	6'-6"	
s22	#5	12'-8"	
s23	#4	7'-9"	
s24	#5	5'-4"	
t20	#6	7'-6"	
u20	#6	5'-1"	
u21	#6	5'-2"	
v20	#9	15'-0"	
w20	#6	27'-6"	

Class	Qty	Vol
Class X Concrete	Cu Yd	25.1
Reinforcement Bars	Lb	10,799
Class A Excav. for Struct.	Sq. Yd.	77
Rock Excav. for Struct.	Cu Yd	5

NOTE
Reinforcing detailed to allow for change in elevation in accordance with Art. 51.10 (b) of the Standard Specifications.

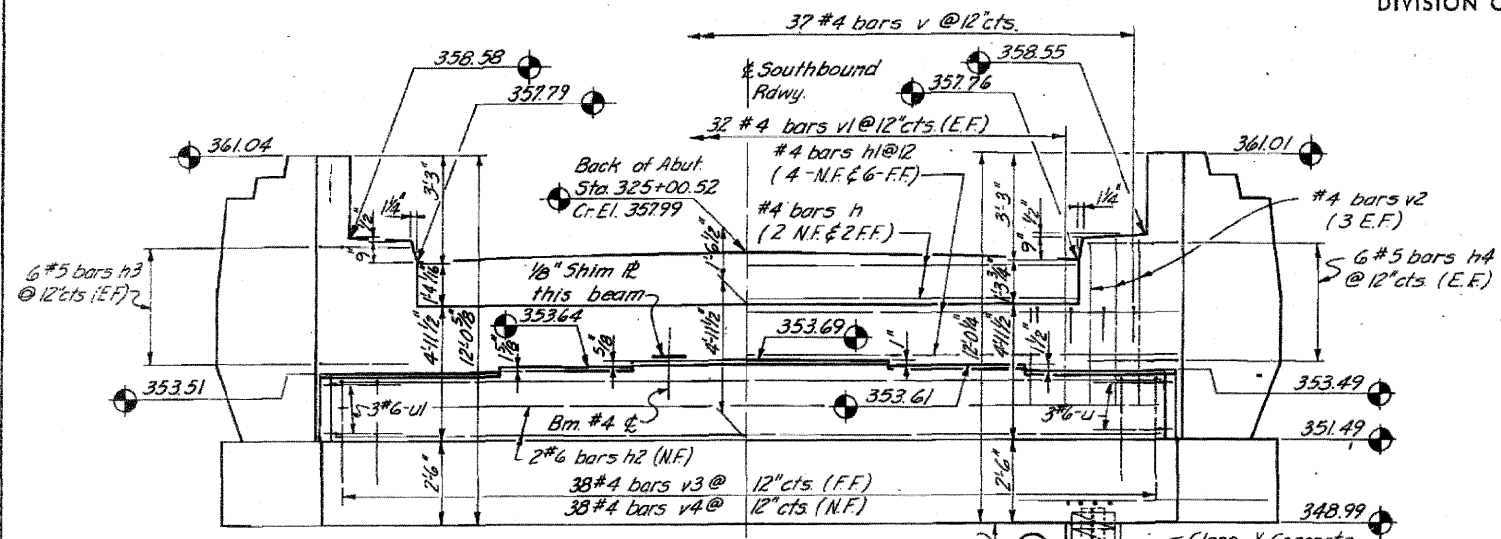


DESIGNED VNS	EXAMINED
CHECKED D.N.	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN J.C.	PASSED
CHECKED K.J.H.	ENGINEER OF DESIGN
	APPROVED
	CHIEF HIGHWAY ENGINEER

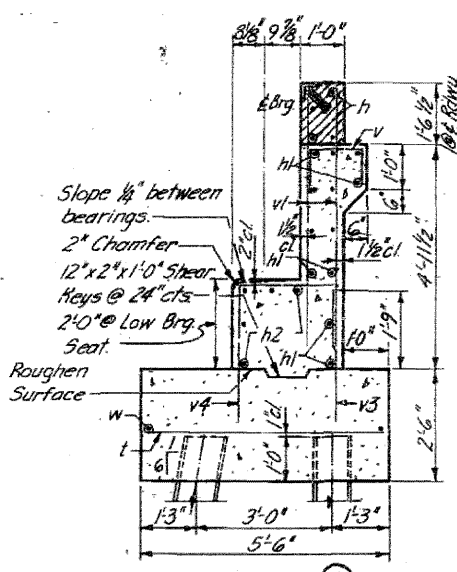
ILLINOIS DIVISION OF HIGHWAYS
PIER NO. 2, NORTH BRIDGE
FAI RTE 57 SEC. 46-2VB
KANKAKEE COUNTY
STA. 325 + 93.10

Added 4-26-11
FOR INFORMATION ONLY

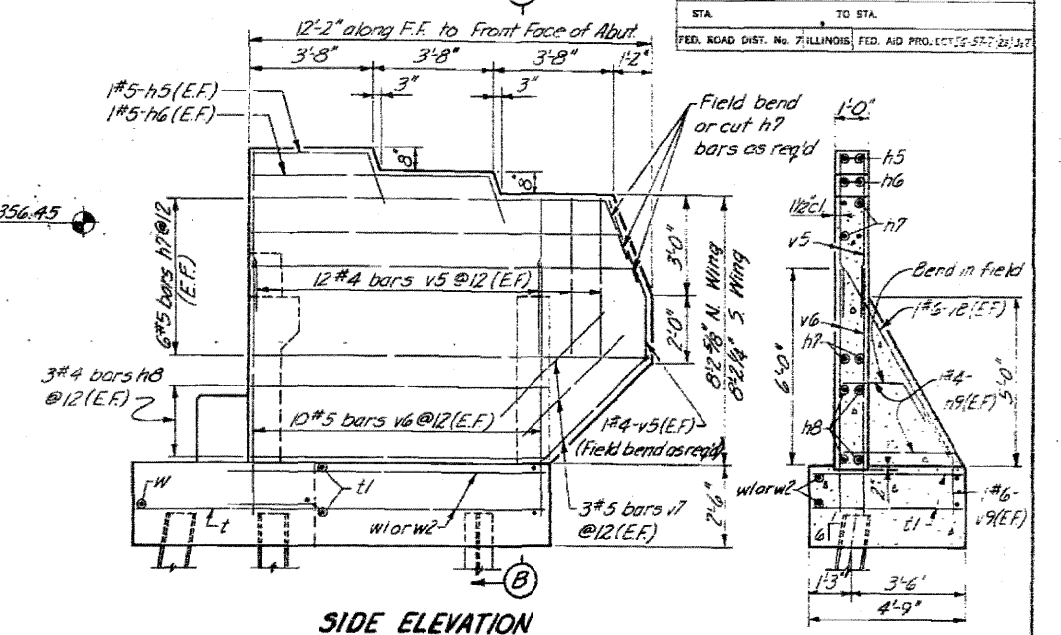
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-2VB	KANKAKEE	28	13
STA.	TO STA.			
FED. ROAD DIST. No. 7 ILLINOIS, FED. AID PROJ. CT. 12-57-23-37				



ELEVATION
At Rt. L. to E. Roadway

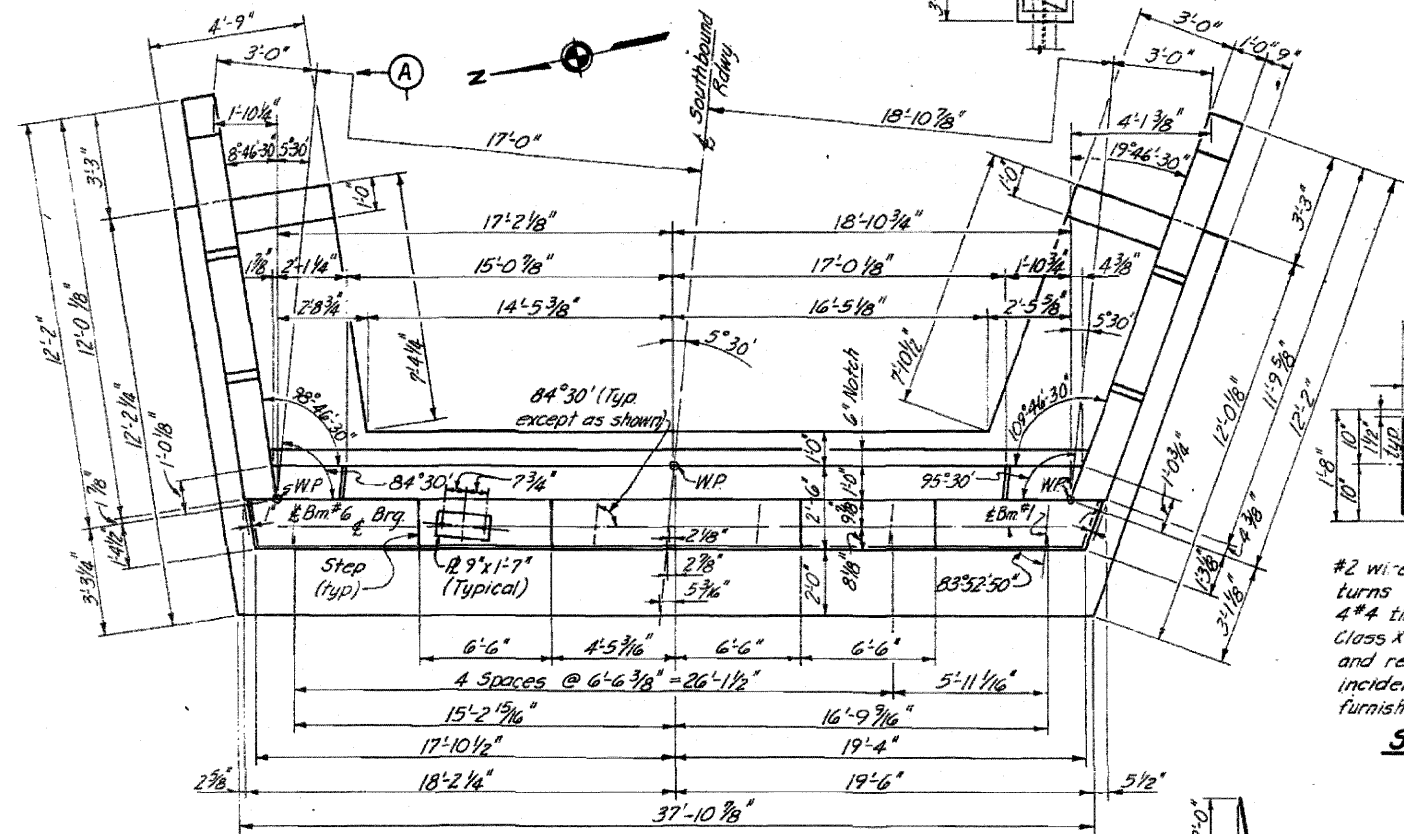


SECTION A

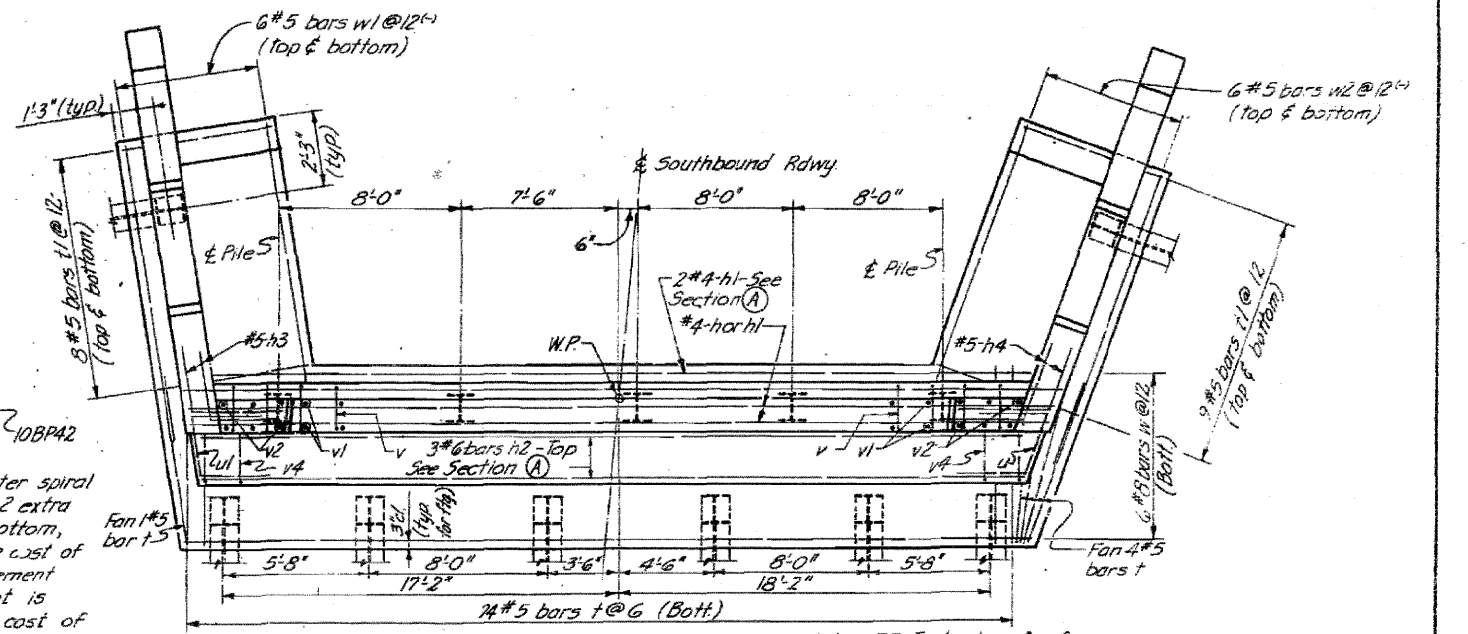


SIDE ELEVATION

SECTION B



PLAN OF ABUTMENT
Dimensions



PLAN OF ABUTMENT
Reinforcement & Pile Spacing

Note: FF-Indicates far face
NF-Indicates near face
EF-Indicates each face

BAR LIST - ONE ABUTMENT

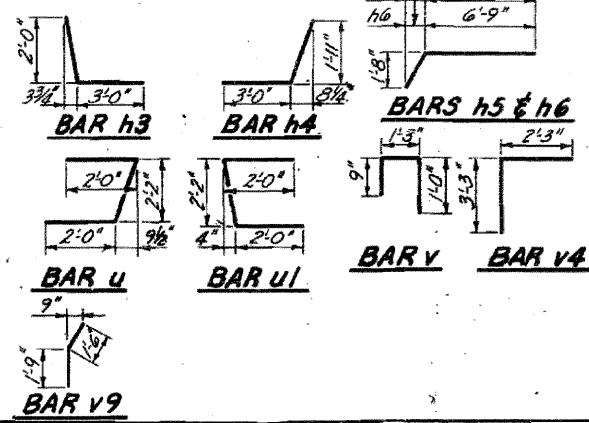
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
h	4	#4	31'-9"	—	v	37	#4	3'-0"	—
h1	12	#4	37'-10"	—	v1	64	#4	5'-9"	—
h2	5	#6	36'-9"	—	v2	12	#4	6'-6"	—
h3	12	#5	5'-0"	—	v3	38	#4	3'-0"	—
h4	12	#5	5'-0"	—	v4	38	#4	5'-4"	—
h5	4	#5	4'-9"	—	v5	52	#4	4'-9"	—
h6	4	#5	8'-6"	—	v6	40	#5	7'-6"	—
h7	24	#5	11'-9"	—	v7	12	#5	4'-6"	—
h8	12	#4	8'-9"	—	v8	4	#6	7'-0"	—
h9	8	#4	3'-6"	—	v9	4	#6	3'-3"	—
t	99	#5	5'-0"	—					
t1	34	#5	4'-3"	—	w	6	#8	37'-3"	—
					w1	12	#5	8'-9"	—
u	3	#6	6'-4"	—	w2	12	#5	9'-3"	—
u1	3	#6	6'-3"	—					

BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	Cu Yd	42.3
Reinforcement Bars	Lbs	3349
Steel Piles (10BPA2)	Lin. Ft.	439

ILLINOIS DIVISION OF HIGHWAYS
EAST ABUTMENT, SOUTH BRIDGE
FAI. RTE. 57 SEC. 46-2VB
KANKAKEE COUNTY
STA. 325+93.10

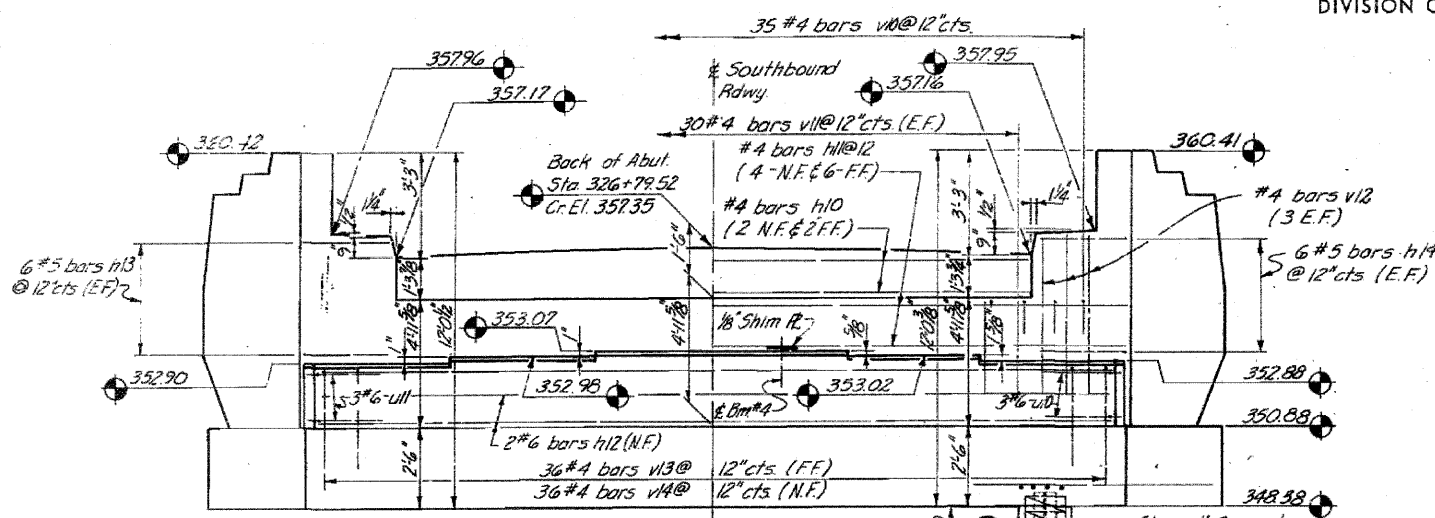
PILE DATA
Type: Steel 10BPA2
Capacity: 35 Tons
Estimated Length: 33'
No. Req'd. for 1 abut.: 13
All abutment piling to be encased.



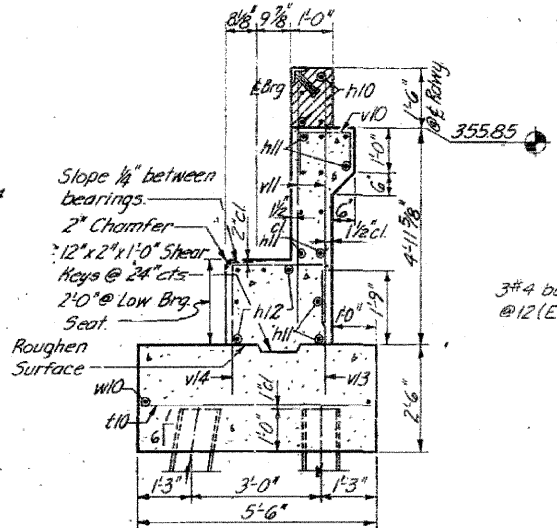
DESIGNED	L.J.L.	EXAMINED	
CHECKED	L.E.D.	PASSED	
DRAWN	L.S.	APPROVED	
CHECKED	L.L.		

FOR INFORMATION ONLY

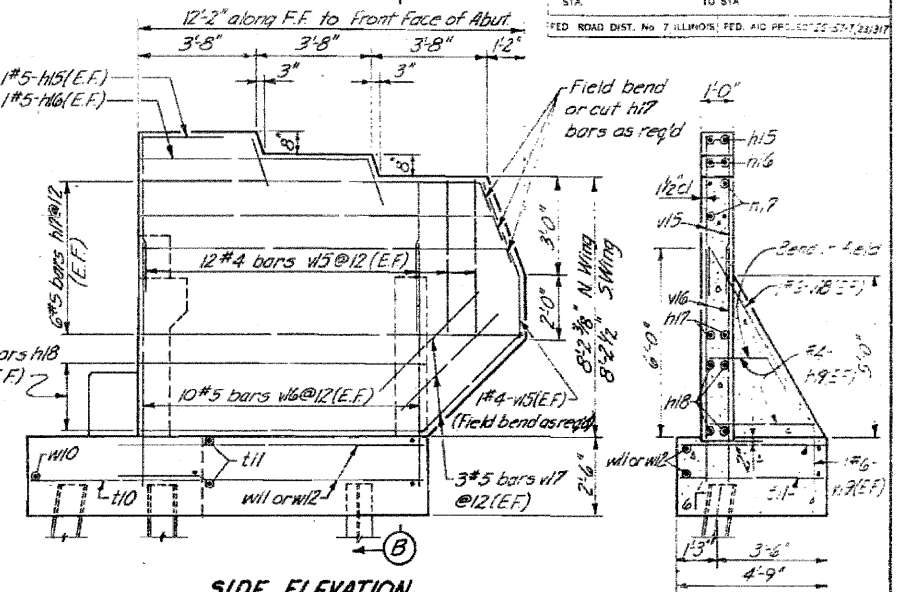
ROUTE NO.	SEC.	COUNTY	SHEET
FAI-57	46-2-B	KANKAKEE	23
STA.	TO STA.		
FED. ROAD DIST. No. 7 ILLINOIS FED. AID PROJECT 22-571(2)(3)(7)			



ELEVATION
At Rt. Ls to E. Roadway

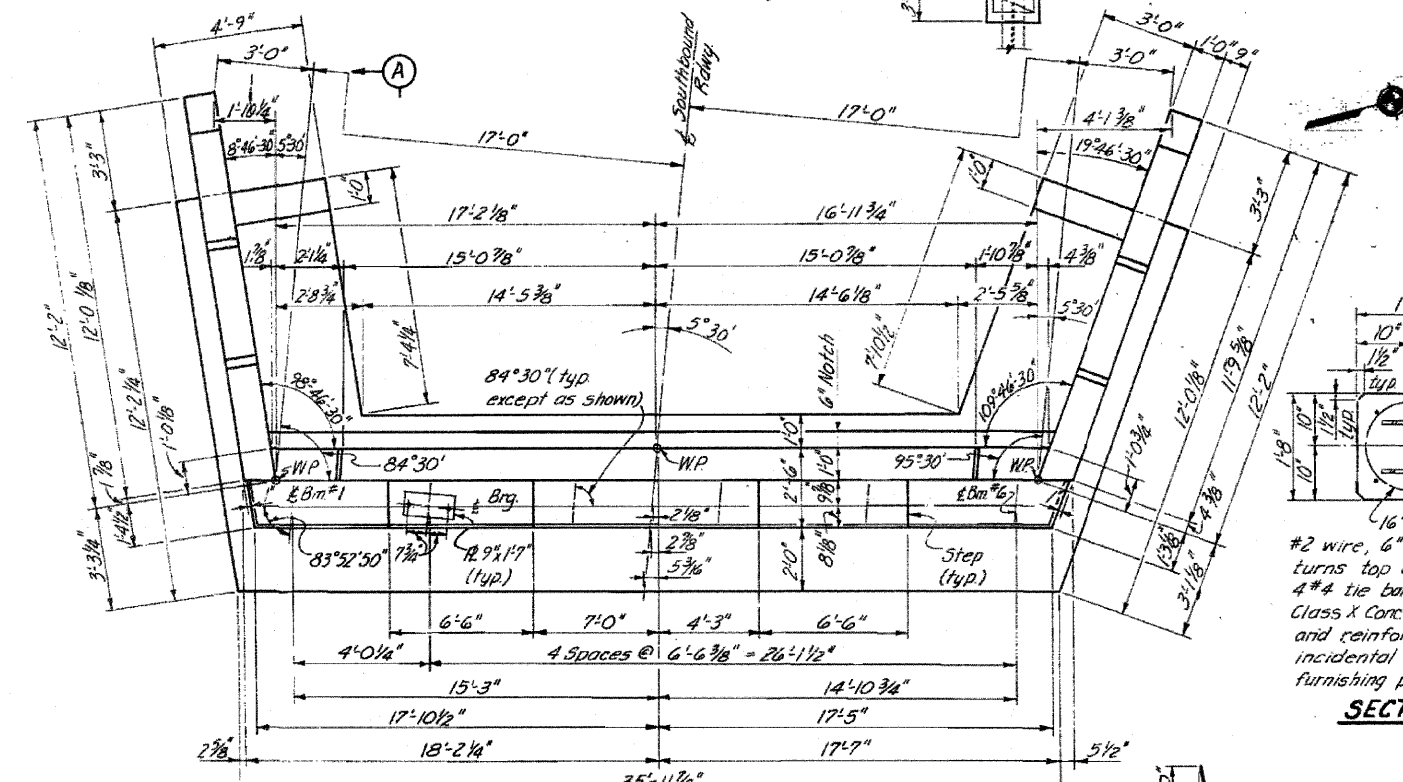


SECTION A

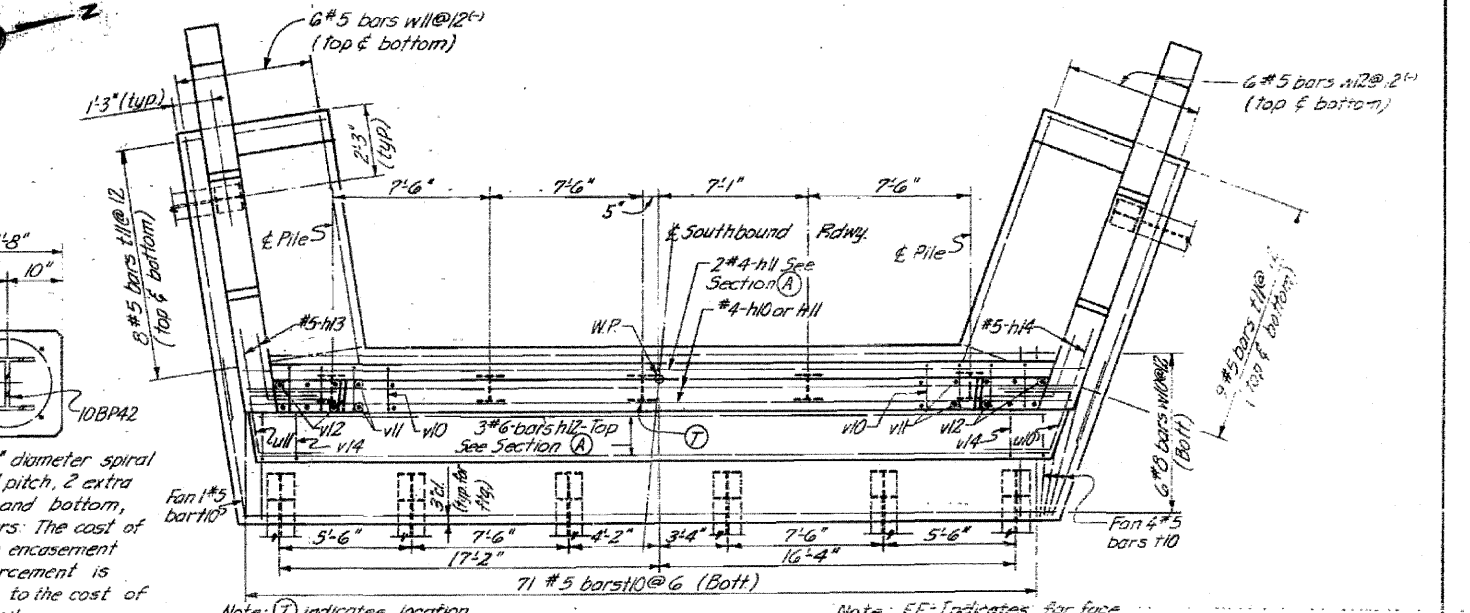


SIDE ELEVATION

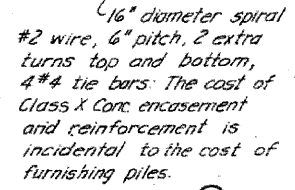
SECTION B



PLAN OF ABUTMENT
Dimensions



PLAN OF ABUTMENT
Reinforcement & Pile Spacing



SECTION C

BAR LIST - ONE ABUTMENT							
Bar No.	Size	Length	Shape	Bar No.	Size	Length	Shape
h10	4	#4	29'-9"	v10	35	#4	3'-0"
h11	12	#4	35'-9"	v11	60	#4	5'-9"
h12	5	#6	35'-0"	v12	12	#4	6'-6"
h13	12	#5	5'-0"	v13	36	#4	3'-0"
h14	12	#5	5'-0"	v14	36	#4	5'-4"
h15	4	#5	4'-9"	v15	52	#4	4'-9"
h16	4	#5	8'-6"	v16	40	#5	7'-6"
h17	24	#5	11'-9"	v17	12	#5	4'-6"
h18	12	#4	8'-9"	v18	4	#6	7'-0"
h19	8	#4	3'-6"	v19	4	#6	3'-3"
u10	76	#5	5'-0"	w10	6	#8	35'-6"
u11	34	#5	4'-3"	w11	12	#5	8'-9"
v10	3	#6	6'-4"	w12	12	#5	9'-3"
v11	3	#6	6'-3"				

BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	Cu Yd	46.4
Reinforcement Bars	Lbs	3739
Steel Piles (10BP42)	Lin Ft	384
Test Pile (Steel)	Each	1

PILE DATA

Type: Steel 10BP42
Capacity: 35 Tons
Estimated Length: 32'
No. Req'd. for 1 abut.: 13 (Includes 1 Test Pile.)
All abutment piling to be encased.

DESIGNED	L.J.L.	EXAMINED	_____ ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
CHECKED	L.E.O.	PASSED	_____ ENGINEER OF DESIGN
DRAWN	L.S.	APPROVED	_____ CHIEF HIGHWAY ENGINEER
CHECKED	L.J.L.		

ILLINOIS DIVISION OF HIGHWAYS
WEST ABUTMENT, SOUTH BRIDGE
FAI. RTE. 57 SEC. 46-2 VB
KANKAKEE COUNTY
STA. 325+93.10

FOR INFORMATION ONLY