03-09-2018 LETTING ITEM 047

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	1
	ILLINOIS	CONTRACT NO. 76L38		

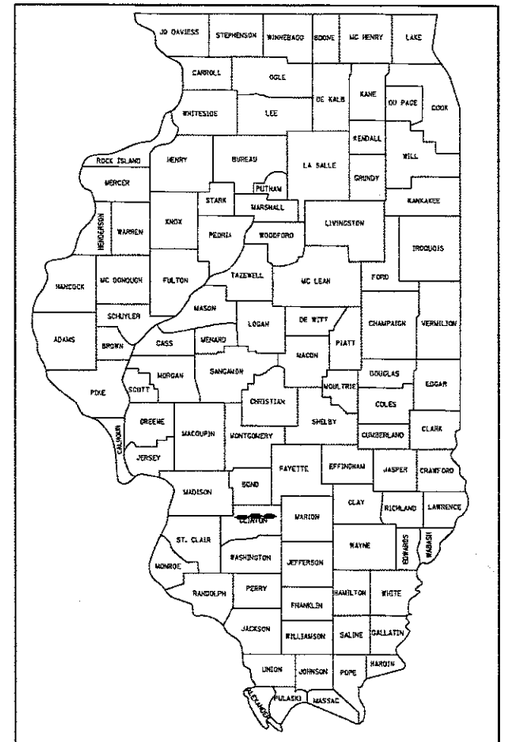
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAP ROUTE 327 (US 50)
SECTION 14-14HB-BP-1
PROJECT NHPP-8R51(080)
BRIDGE PAINTING
CLINTON COUNTY

C-98-192-18

D-98-049-18



LOCATION OF SECTION INDICATED THUS: –

LOCATION 1 & 2:
US 50
2017 ADT = 5700 (ACTUAL)
2018 ADT = 5800 (ESTIMATED)
2038 ADT = 7300 (ESTIMATED)
SU = 3.3% MU = 7.5%

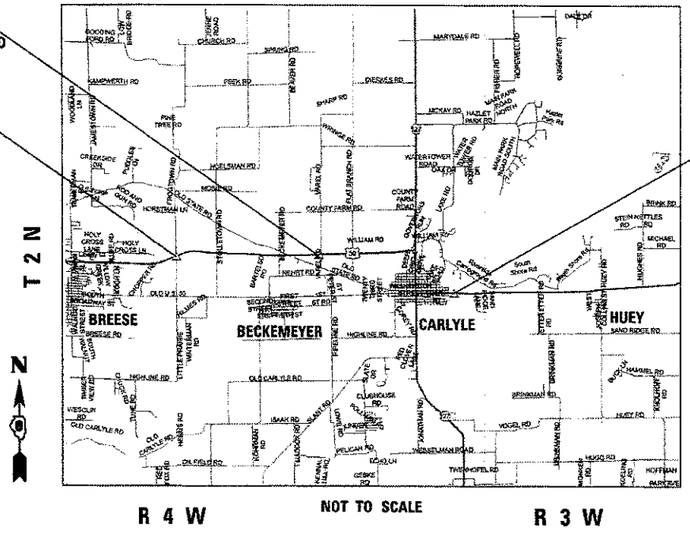
LOCATION 3:
US 50
2017 ADT = 6700 (ACTUAL)
2018 ADT = 6800 (ESTIMATED)
2038 ADT = 8300 (ESTIMATED)
SU = 4.1% MU = 7.5%

FOR INDEX OF SHEETS, SEE SHEET NO. 2

LOCATION 2
US 50 AT FLAT BRANCH ROAD
SN 014-0056

LOCATION 1
US 50 AT FROGTOWN ROAD
014-0055

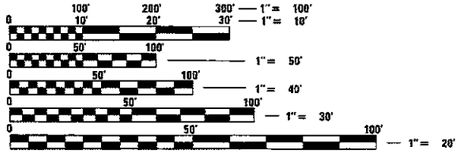
LOCATION 3
US 50 AT KASKASKIA RIVER
SN 014-0061



NOT TO SCALE

LOCATION MAP

GROSS LENGTH = 794.00 FT. = 0.150 MILE
NET LENGTH = 794.00 FT. = 0.150 MILE



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.

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

LOCATION 1
GROSS LENGTH = 0.052 MILE
NET LENGTH = 0.052 MILE

LOCATION 2
GROSS LENGTH = 0.043 MILE
NET LENGTH = 0.043 MILE

LOCATION 3
(SN 014-0061)
GROSS LENGTH = 0.055 MILE
NET LENGTH = 0.055 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 8 20 17
Jeffrey Z. Kuhn
REGIONAL ENGINEER
Feb 2 20 18
ENGINEER OF DESIGN AND ENVIRONMENT
Feb 2 20 18
DIRECTOR OF PROGRAM DEVELOPMENT

2

PROJECT ENGINEER HERVE GELIN 618-346-3179
SQUAD LEADER BILLIE OWEN 618-346-3209

CONTRACT NO. 76L38

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-06
701001-02
701006-05
701321-17
701501-06
701801-06
701901-07
704001-08

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

LOCATION	UTILITY	TYPE	ABOVE GROUND	BELOW GROUND
SN 014-0055	CHARTER COMMUNICATIONS	CABLE TV	X	X
	CARLYLE NORTH WATER CO	WATER		X
	COUNTRYMARK REFINING & LOGISTIC	PIPELINE		X
	AT&T ILLINOIS	COMMUNICATIONS	X	X
	KINDERMORGAN	PIPELINE		X
SN 014-0056	AT&T ILLINOIS	COMMUNICATIONS	X	X
	CHARTER COMMUNICATIONS	CABLE TV	X	X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X
	CARLYLE NORTH WATER CO	WATER		X
	CITY OF CARLYLE	SEW/WAT/ELE	X	X
SN 014-0061	AT&T ILLINOIS	COMMUNICATIONS	X	X
	CHARTER COMMUNICATIONS	CABLE TV	X	X
	AMEREN ILLINOIS	GAS/ELECTRIC	X	X
	CITY OF CARLYLE	SEW/WAT/ELE	X	X

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY •. NON- J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING SHOWN IN THE PLAN SHEETS WAS CREATED USING MICROFILM. IT SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

3. ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

4. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT LOCATIONS AND THE ENTRANCE OF ANY INTERCHANGES AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE, 48".

5. THE SSPC-QP1 AND SSPC-QP2 CERTIFICATIONS WILL BE REQUIRED FOR THE BRIDGES.

6. A MINIMUM OF TWO AIR MONITORS WILL BE REQUIRED AT LOCATIONS 1 AND 2, AND A MINIMUM OF THREE AIR MONITORS WILL BE REQUIRED AT LOCATION 3 TO MONITOR ABRASIVE BLASTING OPERATIONS AT THESE SITES. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

7. FOR LOCATIONS 1, 2 (SN 014-0055, 014-0056) CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL EXISTING STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC- SP10. All EXISTING STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1-OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1.

8. FOR LOCATION 3 (014-0061) CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL EXISTING STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC- SP10. ALL EXISTING STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1-OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.

COMMITMENTS

NONE

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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	2
		CONTRACT NO. 76L38		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED/20% STATE MINOR STRUCTURES 0047 014-0055	CONSTRUCTION CODE 80% FED/20% STATE MINOR STRUCTURES 0047 014-0056	CONSTRUCTION CODE 80% FED/20% STATE MINOR STRUCTURES 0047 014-0061
67100100	MOBILIZATION	L SUM	1	0.33	0.33	0.34
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1			1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1			1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	6	6	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	375	187.5	187.5	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	375	187.5	187.5	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	2	2	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	2	2	
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	156	78	78	
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1		
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1		1	
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1			1

14

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	3
		CONTRACT NO. 76L38		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE		
				80% FED/20% STATE		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MINOR STRUCTURES 0047 014-0055	MINOR STRUCTURES 0047 014-0056	MINOR STRUCTURES 0047 014-0061
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1		
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1		1	
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1			1
Z0076600	TRAINEES	HOUR	500	500		
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		

3

Ø 0042

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

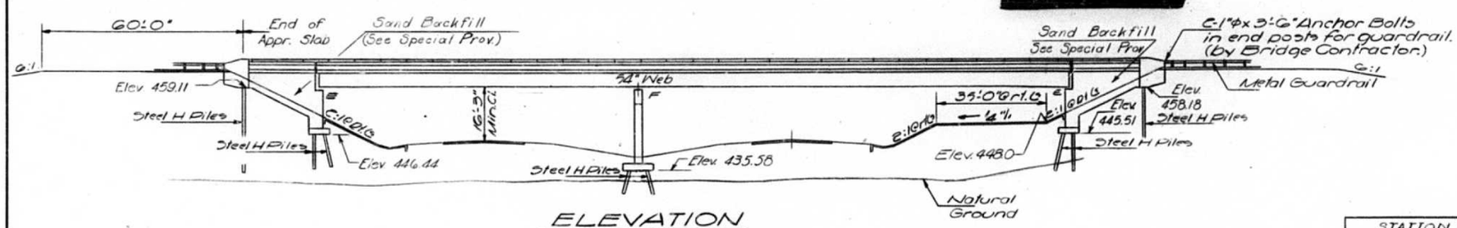
SUMMARY OF QUANTITIES

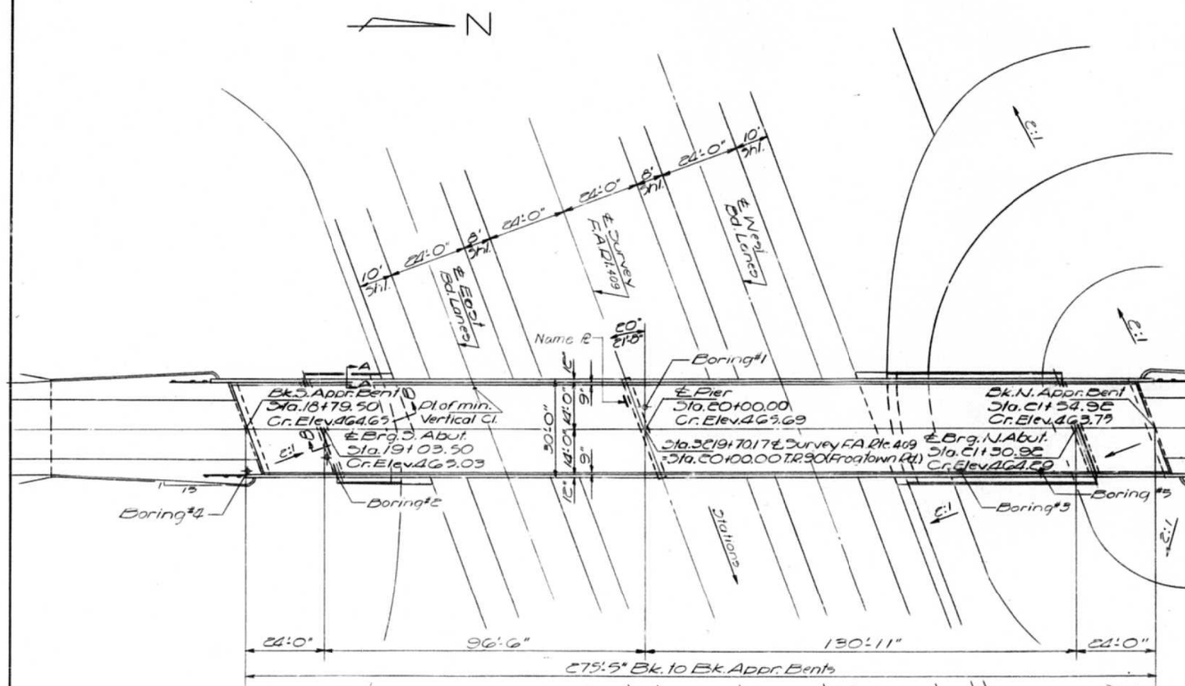
SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

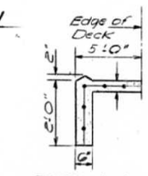
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	4
		CONTRACT NO. 76L38		
	ILLINOIS FED. AID PROJECT			

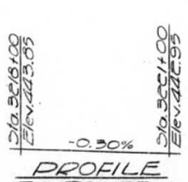
B.M. - Elevation 438.33 R.R. Spike in 30" Oak Tree
Station 3220+73, 384' Left (35' West Frogtown Road)

STATE OF ILLINOIS

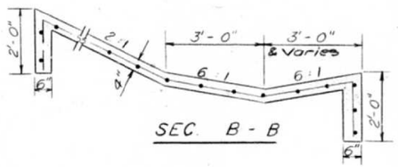








STATION 3219+70.17
BUILT 197 BY
STATE OF ILLINOIS
F.A. RT. 409 SEC. 14-14 HB-2
F.A. PROJ. EBF-409-1 (10)
LOADING HS 15
NAME PLATE
(Std 2115)



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 409	14-14HB-2	Clinton	31	7
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

SHEET NO. 1
12 SHEETS

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise noted.

Fasteners shall be high strength bolts. Bolts ¾" ø; open holes 13/16" ø unless otherwise noted.

Calculated weight of Structural Steel = 224,020 Lbs

The basic lead Silico Chromate paint system shall be used for shop and field painting of Structural Steel.

Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before fastening cross frames over supports.

Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58# per 100 sq. ft.

The Contractor shall drive three Steel Test Piles in a permanent locations, One ℄ S. Appr. Bent, one ℄ N. Abut & one ℄ pier, as directed by the Engineer before ordering the remainder of piles.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ⅛ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two ⅛" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

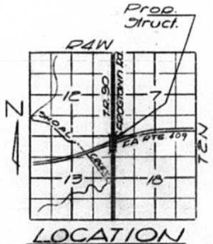
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class X Concrete	Cu. Yds.	277.3	188.1	465.4
Reinforcement Bars	Lbs	63420	20,290	83,710
Structural Steel	L.S.	1		1
Aluminum Railing	Lin. Ft.	540		540
Steel Piles (HP12x53)	Lin. Ft.		1865	1865
Test Piles Steel (HP12x53)	Each		3	3
Name Plates	Each		1	1
Slope Walls (4")	Sq. Yds.		468	468
Protective Coat	Sq. Yds.	1014		1014
Preformed Jt. Sealer, 2½"	Lin. Ft.	32		32
Stud Shear Connectors	Each	660		660
Sand Backfill	Cu. Yds.		294	294
Preformed Joint Sealer, 4"	Lin. Ft.	32		32

DESIGN STRESSES

f'c = 1200 psi ---- Deck Slab
f'c = 1400 psi -- Curb, Parapet, Sub. & Appr. Slab
fs = 20,000 psi --- Reinf.
fs = 20,000 psi --- Struct.
Vc = 75 psi ---- Footings
n = 10
Allowable f.s. f'c 3600 Composite
Allowable Fut. W. S. 25#/Sq. Ft.

LOADING HS15-44



PROJECT EBF-409-1 (10)
GENERAL PLAN & ELEVATION
T.R. 90 (FROGTOWN ROAD)
OVER F.A. RTE. 409
F.A. ROUTE 409
SECTION 14-14 HB-2
CLINTON COUNTY
STATION 3219+70.17

DESIGNED	Allb-/Mill Lee
CHECKED	GB Miller
DRAWN	C.E. Wilkins
CHECKED	GB Miller

EXAMINED — DIRECTOR OF BRIDGE AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED Richard H. Voltermann — CHIEF HIGHWAY ENGINEER
DECEMBER 21, 1970

FOR YOUR INFORMATION ONLY

NOT TO SCALE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0055
LOCATION 1

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

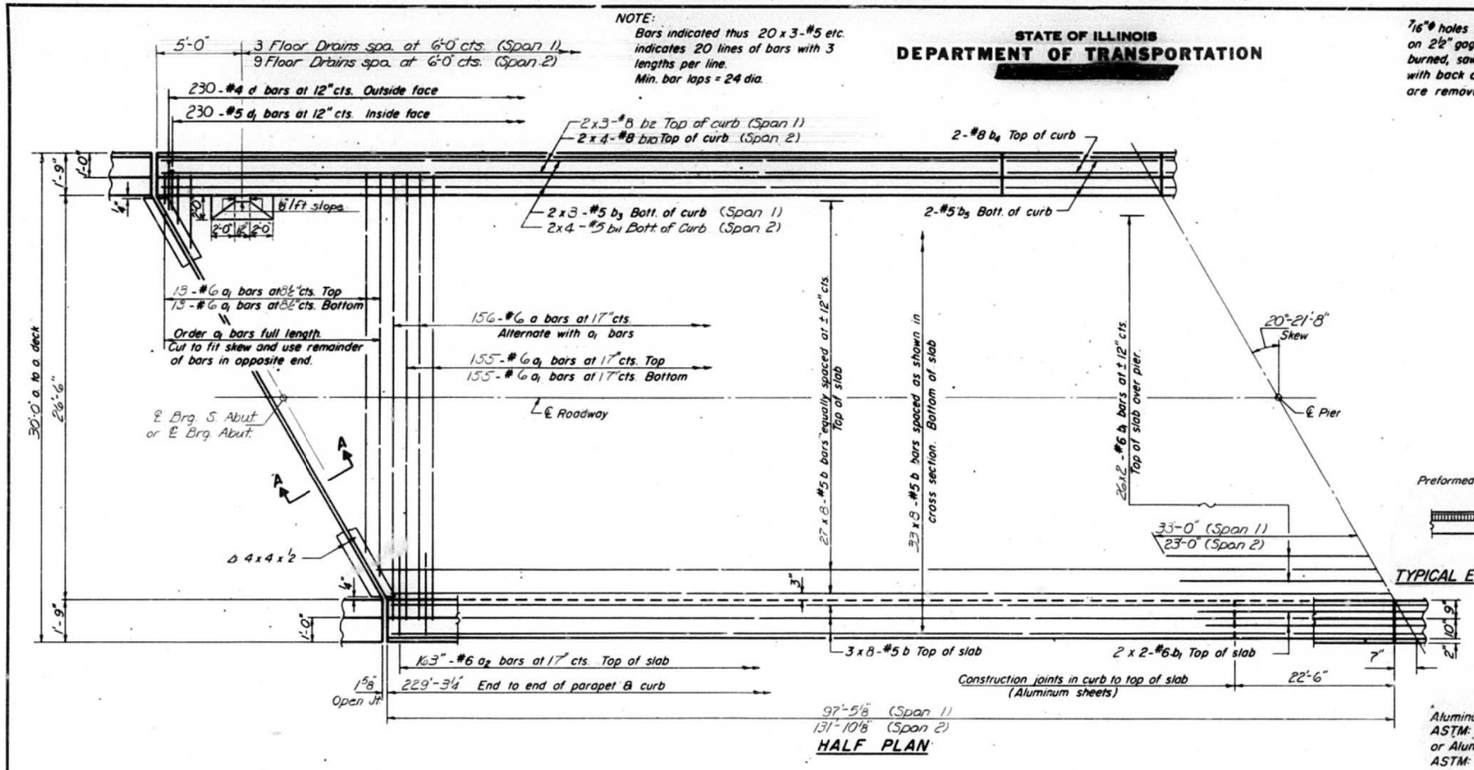
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	5
		CONTRACT NO. 76L38		
	ILLINOIS	FED. AID PROJECT		

NOTE:
Bars indicated thus 20 x 3 - #5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 24 dia.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 409	14-14HB-2	Clinton	31	8

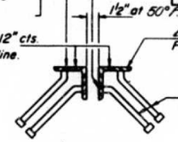
SHEET NO. 2
12 SHEETS



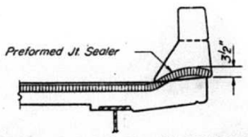
HALF PLAN

7/16"ø holes at 12" cts. for ⅜" bolts set on 2½" gage line. All bolts shall be burned, sawed or clipped off flush with back of angles after forms are removed.

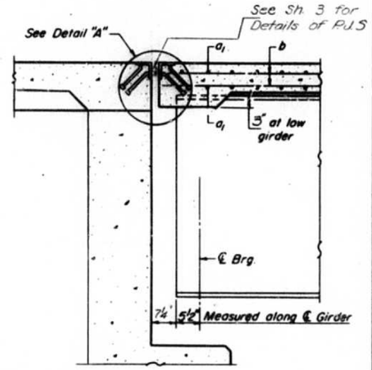
7/16"ø vent holes at 12" cts. set on 1⅜" gage line.



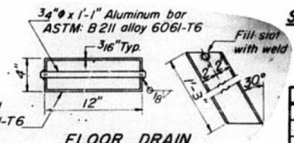
DETAIL "A"



TYPICAL END OF SEALER TREATMENT



SECTION A-A

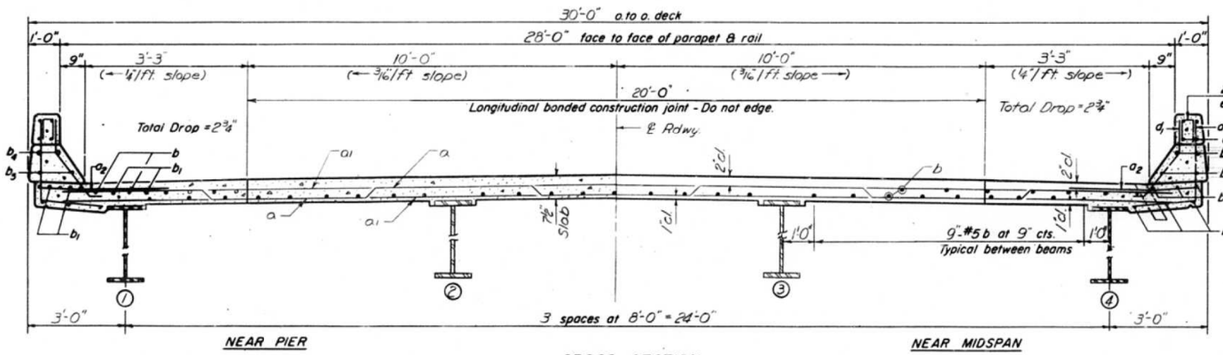


FLOOR DRAIN
Cost incidental to Class X Concrete

BILL OF MATERIAL

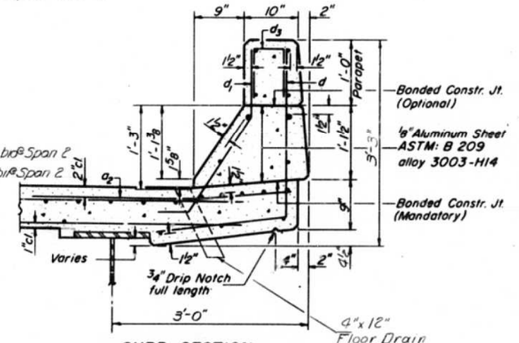
Bar	No.	Size	Length	Shape
a	136	#6	28'-11"	
a1	336	#6	27'-11"	
a2	326	#6	4'-0"	
b	528	#5	29'-9"	
b1	60	#6	29'-0"	
b2	12	#8	26'-8"	
b2a	12	#5	25'-9"	
b4	8	#8	22'-3"	
b3	8	#5	22'-3"	
b3a	16	#5	28'-10"	
b1	16	#5	28'-3"	
d	460	#4	4'-6"	J
d1	460	#5	3'-3"	J
Reinforcement Bars		Lbs.	43,290	
Class X Concrete		Cu. Yds.	195.1	

NOTE: For placement of bars d_3 and e_1 thru e_4 see sheet #4



NEAR PIER NEAR MIDSPAN

CROSS SECTION
(Looking South)



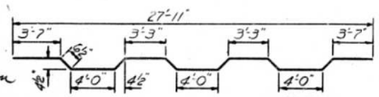
CURB SECTION
Cost of Aluminum Sheets shall be incidental to Class X Concrete.

Parapet Reinforcement and Class X Concrete are billed on sheet #4.

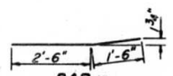
NOTE:
Concrete Deck shall be poured from S. Abutment to N. Abutment

DESIGNED	Allen Nidal Lee
CHECKED	G.B. Miller
DRAWN	C.E. Wilkins
CHECKED	GBM

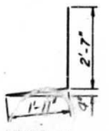
EXAMINED Dec. 21 1970
PASSED W.E. Bamesser
APPROVED Richard H. Gotterman



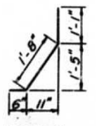
BAR a



BAR a_2



BAR d



BAR d_1

S-5@6-R(>15° thru 30°) 4-22-68, 12-3-69

SPANS 1 & 2
F.A. RT. 409 SEC. 14-14HB-2
CLINTON COUNTY
STA. 3219+70.17

FOR YOUR INFORMATION ONLY

NOT TO SCALE

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Default	PLOT DATE = 12/8/2017	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0055
LOCATION 1

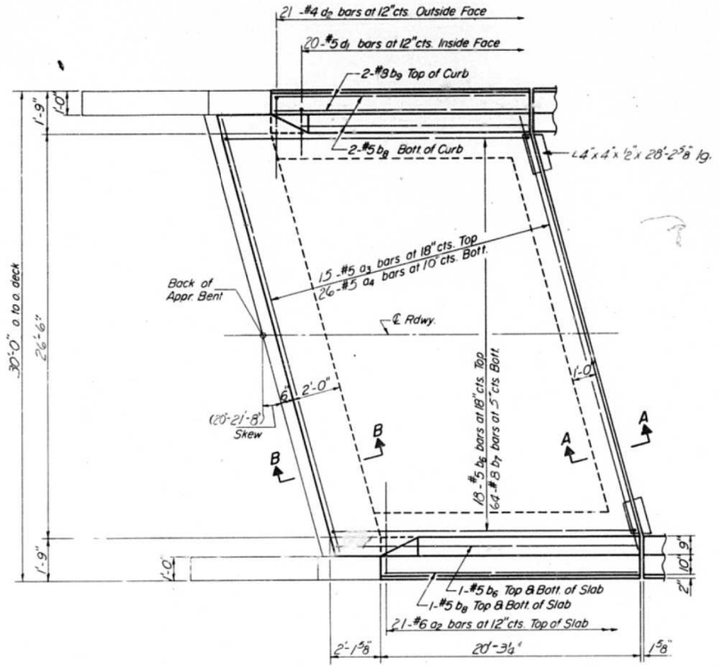
SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	6
		CONTRACT NO. 76L38		
		ILLINOIS FED. AID PROJECT		

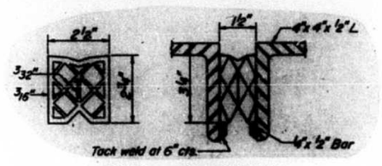
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.409	14-14HB-L	Clinton	31	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

SHEET NO. 3
12 SHEETS

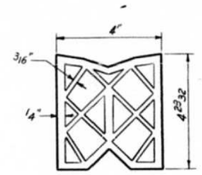
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

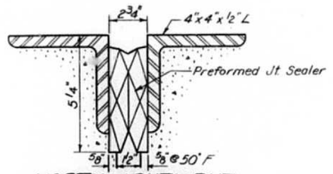


PLAN



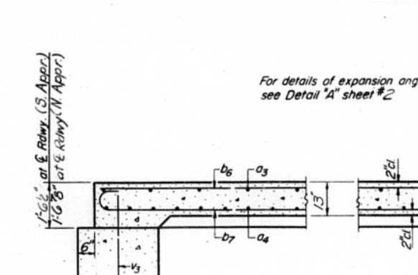
SOUTH ABUTMENT





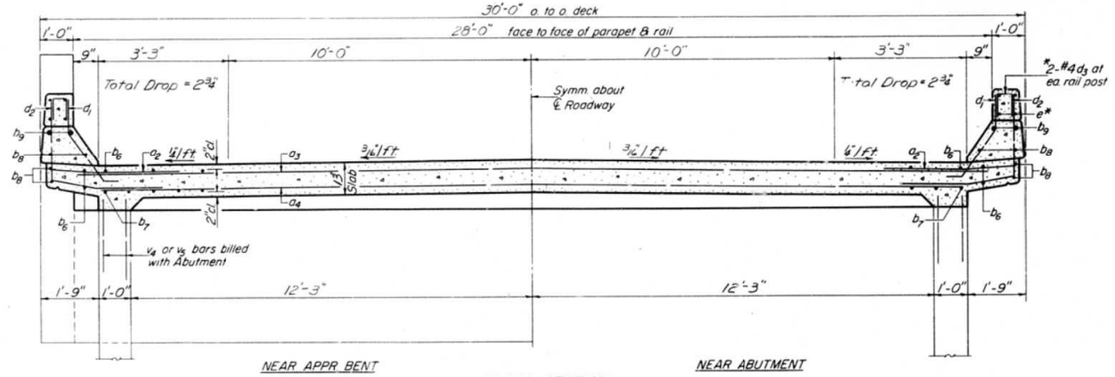
NORTH ABUTMENT

DETAILS OF PREFORMED JOINT SEALER



SECTION B-B

SECTION A-A

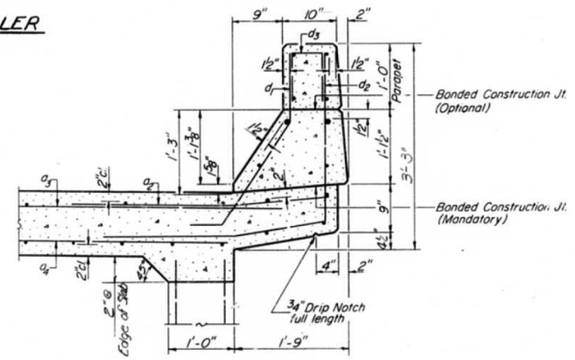


NEAR APPR BENT

NEAR ABUTMENT

CROSS SECTION

NOTE:
* for placement of bars d_3 and e. See Sheet #4



CURB SECTION

TWO APPR. SLABS
BILL OF MATERIAL

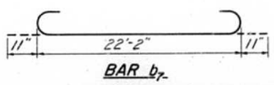
Bar	No.	Size	Length	Shape
a_2	84	#6	4'-0"	—
a_3	30	#5	29'-6"	—
a_4	52	#5	28'-0"	—
b_6	44	#5	22'-2"	—
b_7	128	#8	24'-0"	⊂
b_8	16	#5	20'-0	—
b_9	8	#8	20'-0"	—
d_1	80	#5	3'-3"	⌋
d_2	84	#4	5'-11"	⌋
Reinforcement Bars			Lbs.	13530
Class X Concrete			Cu Yds.	64.8

*Parapet Reinforcement and Class X Concrete are billed on sheet #4

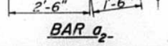
DESIGNED	Ann-Yuin Lee
CHECKED	G.B.Miller
DRAWN	C. E. Wilkins
CHECKED	G.R.M

EXAMINED Dec. 21 1970
PASSED W. E. Baumann
APPROVED Richard H. Mellerman

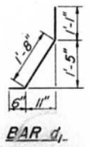
SAS-R(±30°) 3-1-69



BAR b_7



BAR a_2



BAR d_1

BAR d_2

NO. & SO. APPROACH
F.A. RT. 409 SEC. 14-14HB-2
CLINTON COUNTY
STA. 3219+70.17

FOR YOUR INFORMATION ONLY

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Default	PLOT DATE = 12/8/2017	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0055
LOCATION 1

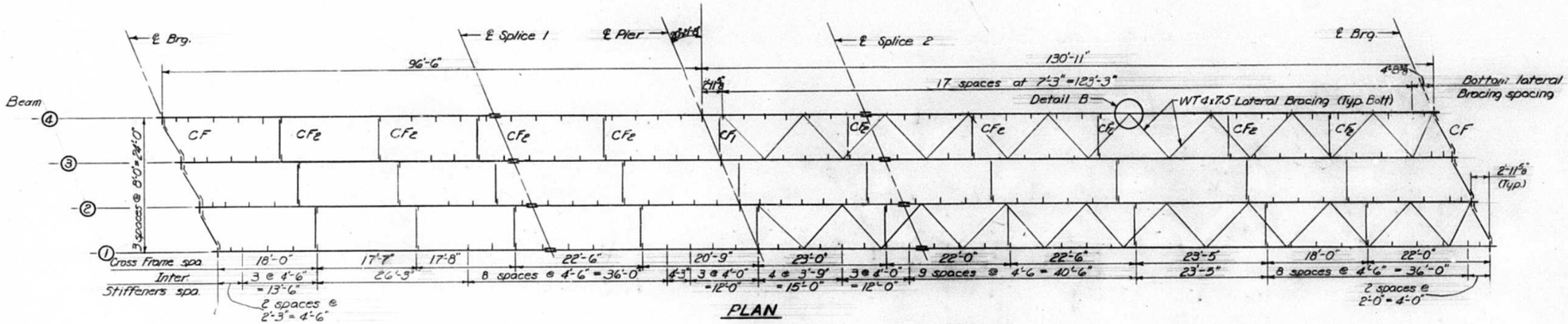
SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	7
			CONTRACT NO. 76L38	
		ILLINOIS	FED. AID PROJECT	

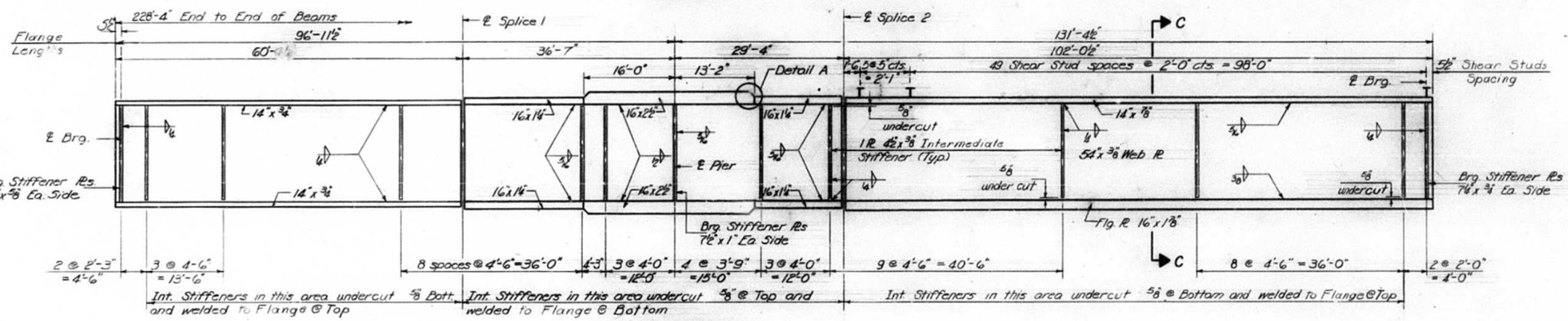
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 409	14-14HB-2	Clinton	31	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

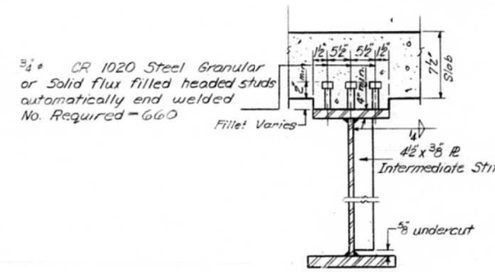
SHEET NO. 5
12 SHEETS



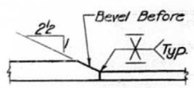
PLAN



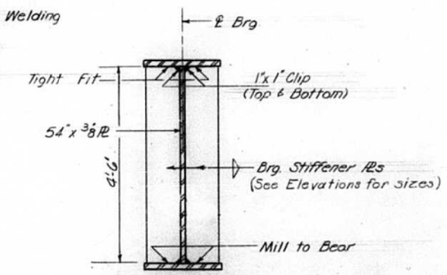
ELEVATION



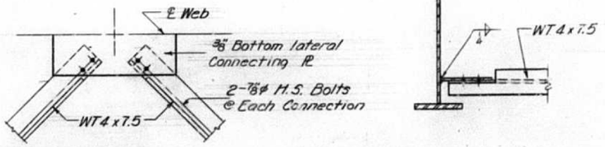
SECTION C-C



DETAIL A
Shop Flange Splice



SECTION AT BEARING



DETAIL B

DESIGNED	Hyun-Yuan Lee
CHECKED	S.B. Miller
DRAWN	C.E. Wilkins
CHECKED	C.R.M.

Dec. 21 1970

EXAMINED
PASSED M.E. Baumann
APPROVED Richard H. Wolterman

STRUCTURAL STEEL
FA. RT. 409 SEC. 14-14HB-2
CLINTON COUNTY
STA. 3219+70.17

FOR YOUR INFORMATION ONLY

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		DRAWN -	REVISED -
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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0055
LOCATION 1

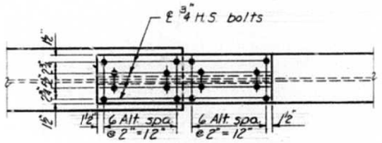
SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	8
		CONTRACT NO. 76L38		
		ILLINOIS	FED. AID PROJECT	

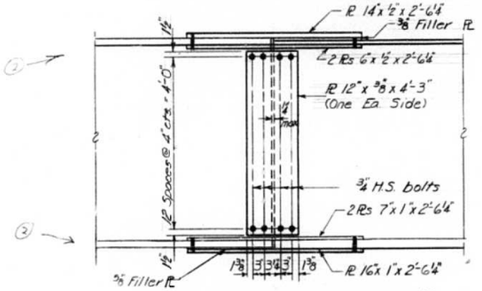
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 409	14-14HB-2	Clinton	31	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

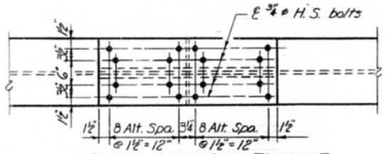
SHEET NO. 6
12 SHEETS



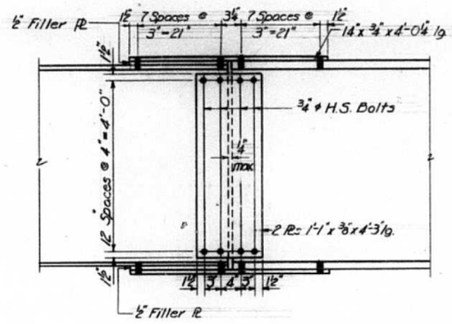
PLAN TOP FLANGE

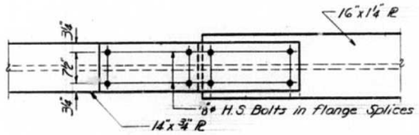


DETAIL OF FIELD SPLICE #2

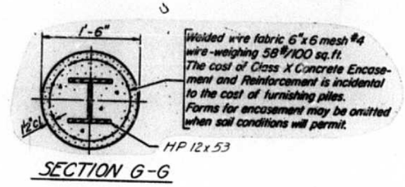


PLAN BOTTOM FLANGE





DETAIL OF FIELD SPLICE #1



SECTION G-G

TOP OF WEB ELEVATIONS

Beam \ Location	℄ Brg S. Abut.	℄ Splice #1	℄ Pier	℄ Splice #2	℄ Brg N. Abut.
Beam 1	464.21	464.65	464.67	464.77	463.30
Beam 2	464.31	464.77	464.80	464.91	463.50
Beam 3	464.26	464.75	464.80	464.93	463.56
Beam 4	464.08	464.60	464.67	464.80	463.49

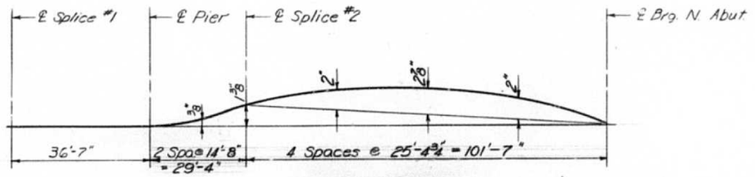
*Elevations have been adjusted for camber

INTERIOR GIRDER REACTION TABLE

	S. Abut.	Pier	N. Abut.
Rℓ (k)	38.0	208.6	72.9
Rℓ (k)	34.1	64.5	36.0
Imp. (k)	4.1	7.8	4.4
R Total (k)	76.2	280.9	113.3

INTERIOR GIRDER MOMENT TABLE

	0.3 Sp. 1	Pier	.6 Span 2
Is (in⁴)	20660	68761	33528
Ic (in⁴)			80842
Ss (in³)	745	2331	934
Sc (in³)			4809
Dℓ (k/ℓ)	1.37	1.40	1.03
Mℓ (k)	584	2717	1302
fs ℓ (ksi)	8.4	14.0	16.7
Sℓ (k/ℓ)			.40
Msℓ (k)			552
Mℓ (k)	551	821	962
M imp (k)	125	172	188
Total (k)	676	993	1702
fs ℓ (ksi)	10.9	5.1	4.2
fs Total (ksi)	19.3	19.1	20.9
VR (k)	37.7	49.6	41.2



CAMBER DIAGRAM
(Span 2 only. No Camber within first 59'-11" Sections of Span 1)

DESIGNED	Hsin-Yuan Lee		
CHECKED	GBMiller		
DRAWN	C.E. Wilkins		
CHECKED	GBMiller		

EXAMINED DEC. 21 1970
PASSED WE Baumann
APPROVED Richard H. Holtzman

STRUCTURAL STEEL DETAILS
F.A. RT. 409 SEC. 14-14HB-2
CLINTON COUNTY
STA. 3219 + 70.17

FOR YOUR INFORMATION ONLY

NOT TO SCALE

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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - SN 014-0055
LOCATION 1

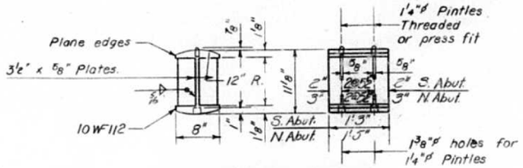
SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	9
		CONTRACT NO. 76L38		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Fed. Aid Proj. F.A. 409	14HB-2	Clinton	31	15
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 7
12 SHEETS

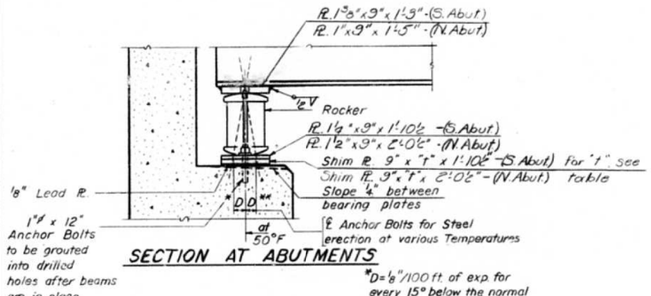


DETAIL OF ROCKER AT ABUTMENTS

TABLE OF VALUE "t"

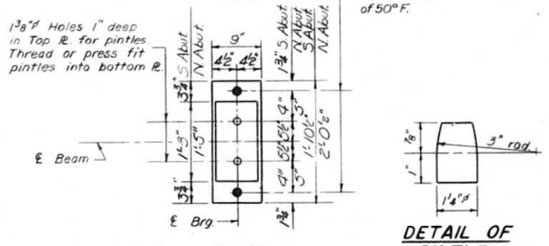
Location	Beam 1	Beam 2	Beam 3	Beam 4
℄ Brg. S. Abut.	0	⅜"	0	0
℄ Brg. N. Abut.	0	½"	1"	¾"

Shim Plate thickness at Abutments



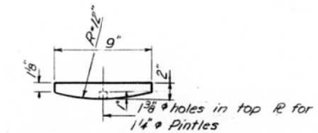
SECTION AT ABUTMENTS

*D=⅛"/100 ft. of exp. for every 15° below the normal temp. of 50°F.
D**=⅛"/100 ft. of exp. for every 15° above the normal temp. of 50°F.

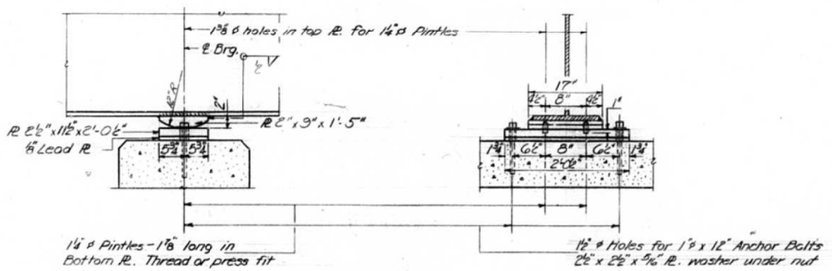


PLAN

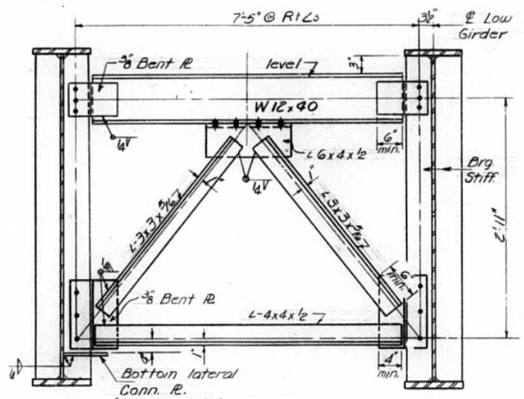
DETAIL OF PINTLE



TOP PL. OF FIXED PIER

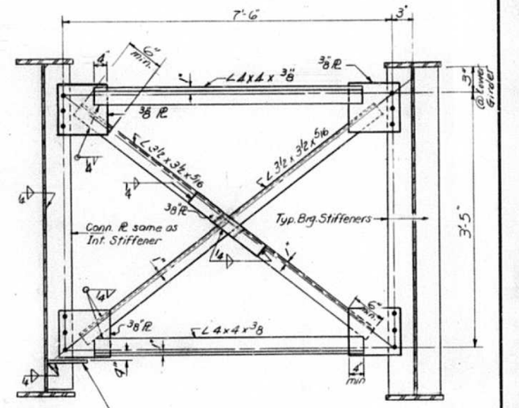


SECTION AT PIER



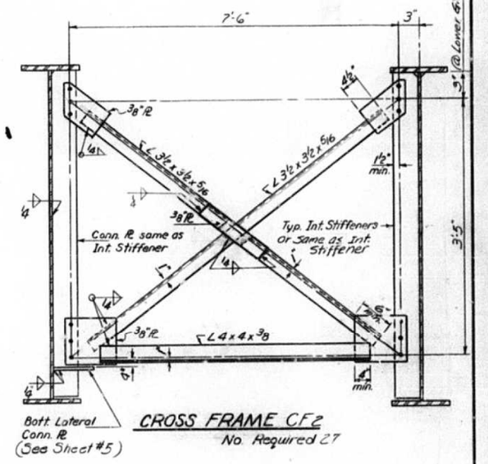
END CROSS FRAME CF

No. Required 6



CROSS FRAME CF1

No. Required 9



CROSS FRAME CF2

No. Required 27

DESIGNED	Ann Yuen Lee
CHECKED	G.B. Miller
DRAWN	C.E. Wilkins
CHECKED	G.B. Miller

EXAMINED Dec. 21 1970
PASSED W.E. Baumann
APPROVED Richard H. Hollerman

BEARING & DIAPHRAGM DETAILS
F.A. RT. 409 SEC. 14-14HB-2
CLINTON COUNTY
STA. 3219+70.17

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - SN 014-0055
LOCATION 1

SCALE: | SHEET 6 OF 6 SHEETS | STA. | TO STA.

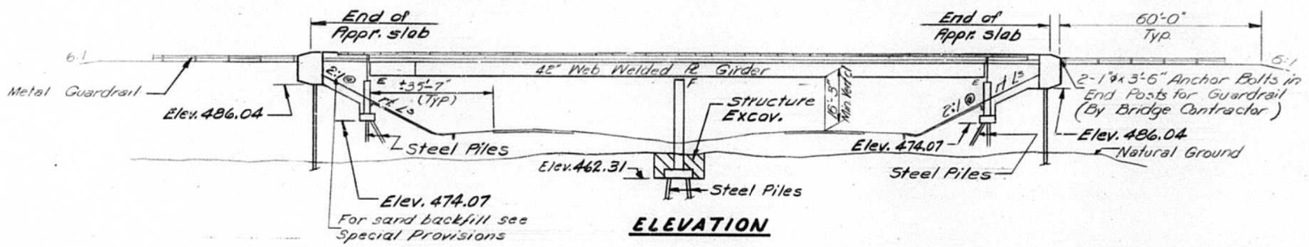
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	10
		CONTRACT NO. 76L38		
	ILLINOIS	FED. AID PROJECT		

B.M. Elevation 465.23 RR Spike in East Side of Power Pole Sta. 10+07, 24' Lt. (TR. 126)

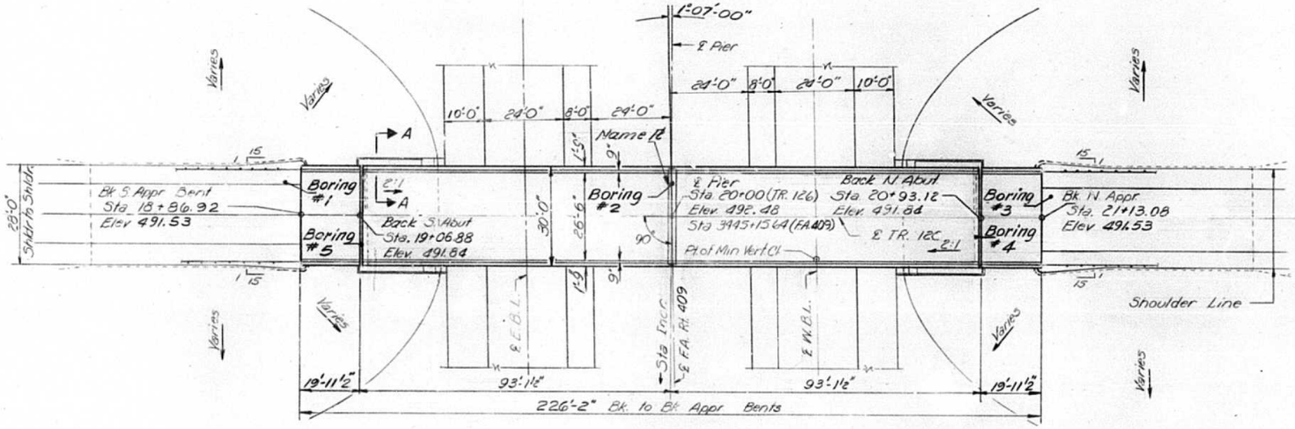
STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. F.A. 409	14-1H 11B-5	Clinton	24	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

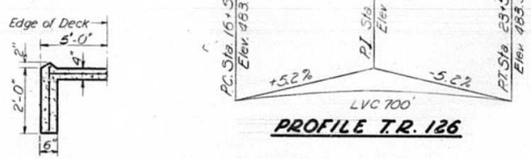
SHEET NO. 1
10 SHEETS



ELEVATION

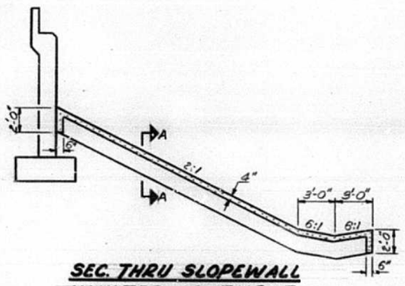


PLAN



SECTION A-A

PROFILE T.R. 126



SEC. THRU SLOPEWALL VAULTED ABUTMENT

GENERAL NOTES

All reinforcement bars shall be lapped 24 dia unless otherwise shown.
Fasteners shall be high strength bolts. Bolts ¾" ø, open holes 13/16" ø, unless otherwise noted.
The basic Lead Silico Chromate paint system shall be used for shop and field painting of structural steel.
Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
Anchor bolts shall be set before bolting cross frames over supports.
Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58 Lb. per 100 sq. ft.
The Contractor shall drive two steel test piles in a permanent location one each at the So. Abutment and pier as directed by the Engineer before ordering the remainder of piles.
The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.
Calculated weight of Structural Steel = 150640 lbs.

TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Structure Excavation	Cu. Yds.			50
Protective Coat	Sq. Yds.	840		840
Class X Concrete	Cu. Yds.	223.6	170.6	394.2
Structural Steel	Lump Sum	1		1
Stud Shear Connectors	Ea.	1320		1320
Aluminum Railing	Lin. Ft.	443		443
Reinforcement Bars	Lbs.	32030	20550	72580
Sand Backfill	Cu. Yds.			180
Steel Piles (12BP42)	Lin. Ft.			1334
Test Piles, Steel (10BP42)	Ea.			2
Name Plates	Ea.			1
Slope Wall (4")	Sq. Yds.			290
Preformed Joint Sealer	Lin. Ft.	60		60

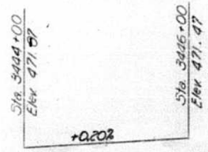
DESIGNED	John Hayes
CHECKED	Richard S. (illegible)
DRAWN	J. Kessler
CHECKED	Richard S. (illegible)

EXAMINED April 7 1970 Carl E. Bergmann ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED W. E. Bergmann ENGINEER OF DESIGN
APPROVED Richard A. Gutterman CHIEF HIGHWAY ENGINEER

LOADING - HS 15-44

DESIGN STRESSES FIELD UNITS

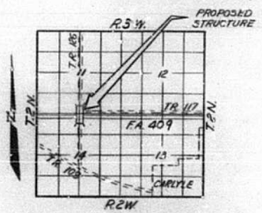
f'c = 1200 psi Deck Slab Spans 2 & 3
f'c = 1400 psi Deck Slab Spans 1 & 4 & curb parapet end Substructure
fs = 20,000 psi (Reinf.) 20,000 psi strut
vc = 75 psi (Hgs)
n = 10
Allowable F.W.S. = 25" per sq. ft.
Allowable ℄ Δ = 7200 Composite



PROFILE F.A. RT. 13

STATION 3445+15.64
BUILT IN 19 BY
STATE OF ILLINOIS
F.A. RT. 409 SEC. 14-14HB-5
F.A. PROJ. EBF-409-1(5)
LOADING HS 15

NAME PLATE
(See Std. 2113-)



LOCATION SKETCH

GENERAL PLAN & ELEVATION
T.R. 126 OVER F.A. RT 409
PROJ. EBF-409-1(5)
F.A. RT 409 SEC. 14-14HB-5
CLINTON COUNTY
STATION 3445+15.64

FOR YOUR INFORMATION ONLY

NOT TO SCALE

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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0056
LOCATION 2

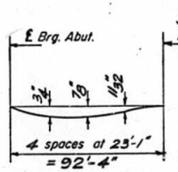
SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	11
		CONTRACT NO. 76L38		
	ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. F.A.ACQ	14-14 HB-5	Clinton	24	7
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

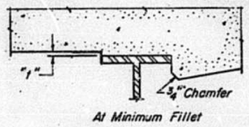
SHEET NO. 2
10 SHEETS



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



At Minimum Fillet

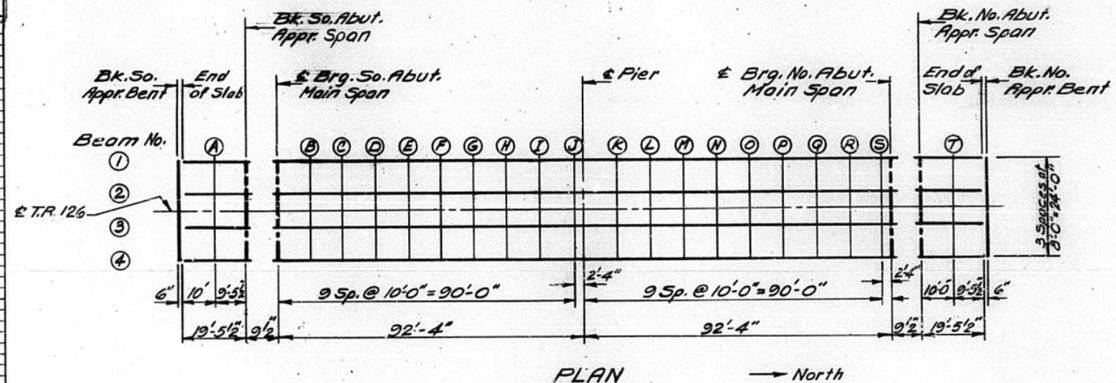
At Maximum Fillet

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

Beams 1 & 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. So. Appr. Bent	1886.920	12.000	491.413	491.413
End of Slab	1887.420	12.000	491.422	491.422
A	1897.420	12.000	491.582	491.582
Bk. of So. Abut.	1906.878	12.000	491.719	491.719
℄ Brg. So. Abut. Main Span	1907.670	12.000	491.730	491.730
B	1917.670	12.000	491.840	491.887
C	1927.670	12.000	491.975	492.029
D	1937.670	12.000	492.075	492.140
E	1947.670	12.000	492.160	492.230
F	1957.670	12.000	492.230	492.296
G	1967.670	12.000	492.286	492.232
H	1977.670	12.000	492.326	492.356
I	1987.670	12.000	492.352	492.367
J	1997.670	12.000	492.363	492.366
℄ Pier	2000.003	12.000	492.363	492.363
K	2010.003	12.000	492.356	492.348
L	2020.003	12.000	492.334	492.358
M	2030.003	12.000	492.296	492.338
N	2040.003	12.000	492.244	492.306
O	2050.003	12.000	492.178	492.248
P	2060.003	12.000	492.096	492.163
Q	2070.003	12.000	491.999	492.060
R	2080.003	12.000	491.888	491.521
S	2090.003	12.000	491.762	491.768
℄ Brg. No. Abut. Main Span	2092.337	12.000	491.736	491.730
Bk. No. Abut.	2093.128	12.000	491.719	491.719
T	2103.128	12.000	491.573	491.573
End of Slab	2112.587	12.000	491.422	491.422
Bk. No. Appr. Bent	2113.087	12.000	491.413	491.413



PLAN

→ North

Beams 2 & 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. So. Appr. Bent	1886.920	4.000	491.517	491.517
End of Slab	1887.420	4.000	491.525	491.525
A	1897.420	4.000	491.685	491.685
Bk. of So. Abut.	1906.878	4.000	491.822	491.822
℄ Brg. So. Abut. Main Span	1907.670	4.000	491.833	491.833
B	1917.670	4.000	491.963	491.990
C	1927.670	4.000	492.078	492.132
D	1937.670	4.000	492.178	492.244
E	1947.670	4.000	492.263	492.333
F	1957.670	4.000	492.336	492.399
G	1967.670	4.000	492.389	492.435
H	1977.670	4.000	492.430	492.457
I	1987.670	4.000	492.455	492.471
J	1997.670	4.000	492.466	492.469
℄ Pier	2000.003	4.000	492.467	492.467
K	2010.003	4.000	492.459	492.472
L	2020.003	4.000	492.437	492.462
M	2030.003	4.000	492.400	492.442
N	2040.003	4.000	492.348	492.409
O	2050.003	4.000	492.281	492.352
P	2060.003	4.000	492.199	492.266
Q	2070.003	4.000	492.103	492.163
R	2080.003	4.000	491.991	492.025
S	2090.003	4.000	491.865	491.871
℄ Brg. No. Abut. Main Span	2092.337	4.000	491.833	491.833
Bk. No. Abut.	2093.128	4.000	491.822	491.822
T	2103.128	4.000	491.677	491.677
End of Slab	2112.587	4.000	491.525	491.525
Bk. No. Appr. Bent	2113.087	4.000	491.517	491.517

DESIGNED	John Hayes		
CHECKED	Prakash S (a)	EXAMINED	April 7 1970
DRAWN	Leona Heeren	PASSED	H E Baumann ENGINEER OF DESIGN
CHECKED	Prakash S (a)	APPROVED	Richard H Wilterman CHIEF HIGHWAY ENGINEER

Carl E Thurman ENGINEER BRIDGE AND TRAFFIC STRUCTURES

TOP OF SLAB ELEVATIONS
F.A. RT 409 SEC 14-14HB-5
CLINTON COUNTY
STATION 8886+80.00

FOR YOUR INFORMATION ONLY

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		DRAWN -	REVISED -
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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

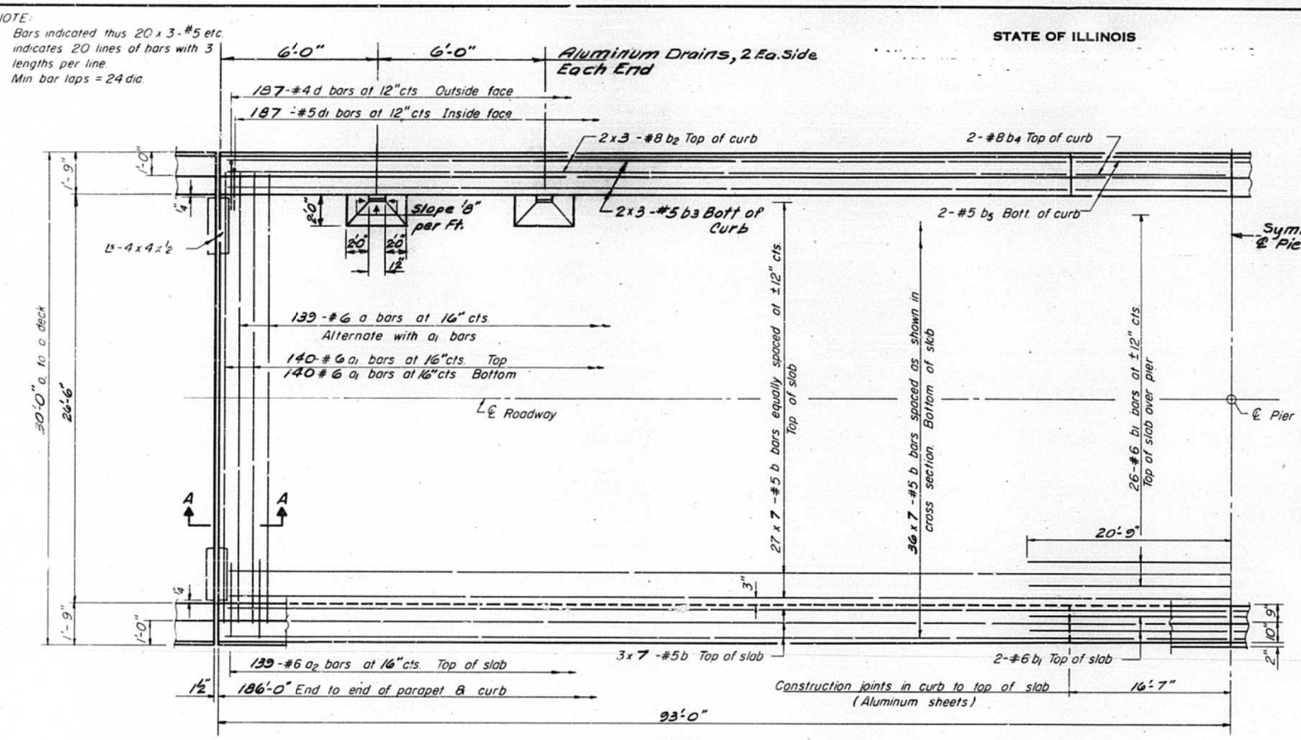
EXISTING PLANS - SN 014-0056
LOCATION 2

SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	12
		CONTRACT NO. 76L38		
		ILLINOIS FED. AID PROJECT		

NOTE:
Bars indicated thus 20 x 3 - #5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 24 dia.

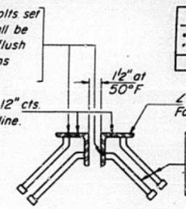
STATE OF ILLINOIS



HALF PLAN

7/16"ø holes at 12" cts. for 3/8" bolts set on 2½" gage line. All bolts shall be burned, sawed or clipped off flush with back of angles after forms are removed.

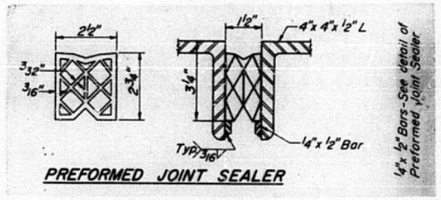
7/16"ø vent holes at 12" cts. set on 1 3/8" gage line.



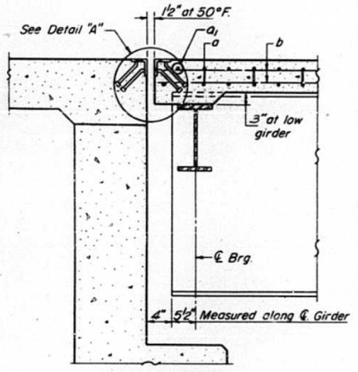
L - 4 x 4 x ½ x 26'-5½" long @ Abut., 27'-11½" long @ Appr. Bent

3/4"ø x 8" CR. 1020 STL. granular or solid flux filled headed studs automatically end welded. (27 - studs at 12" alternate cts.)

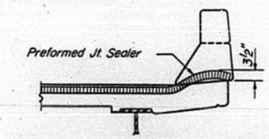
DETAIL "A"



PREFORMED JOINT SEALER



SECTION A-A



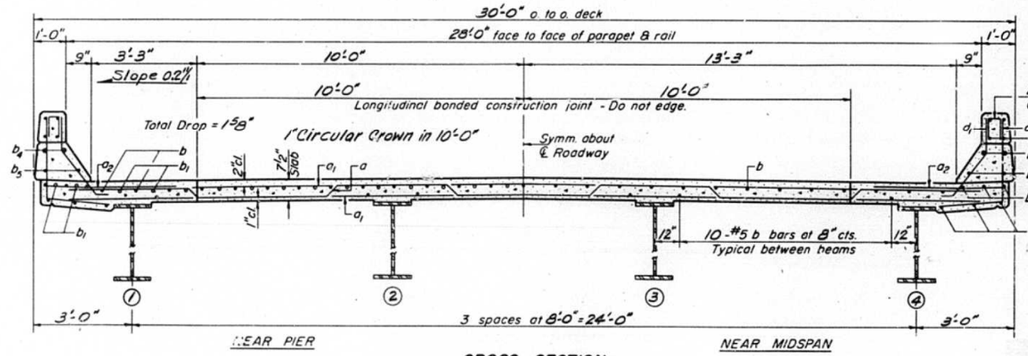
TYPICAL END OF SEALER TREATMENT

TWO SPANS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	139	#6	29'-0"	
a1	280	#6	28'-0"	
a2	278	#6	4'-0"	
b	483	#5	27'-7"	
b1	30	#6	41'-6"	
b2	24	#8	26'-9"	
b3	24	#5	26'-3"	
b4	8	#8	16'-4"	
b5	8	#5	16'-4"	
d	374	#4	4'-6"	J
d1	374	#5	3'-3"	J
Reinforcement Bars			Lbs.	40510
Class X Concrete			Cu. Yds.	156.1
Structural Steel			Lbs.	150640

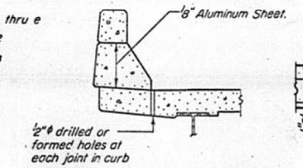
* Weight of bearing assemblies with lead plates and anchor bolts are included as Structural Steel. Wt. = 3780 lbs.

Parapet Reinforcement and Class X Concrete are billed on sheet # 5

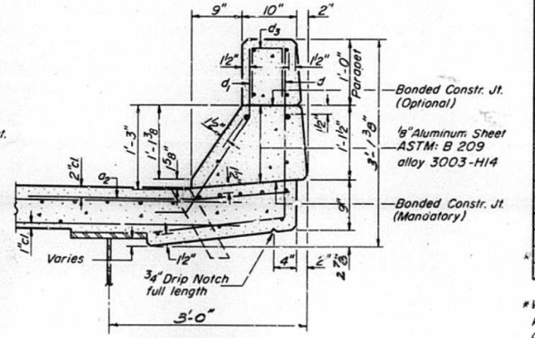


CROSS SECTION
(Looking North)

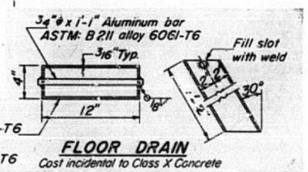
NOTE: For placement of bars d_3 and e thru e see sheet # 5



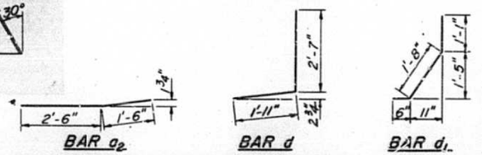
SECTION AT CURB JOINTS

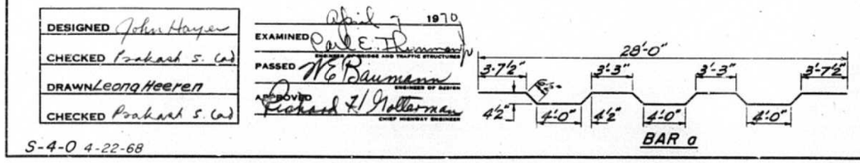


CURB SECTION
Cost of Aluminum Sheets shall be incidental to Class X Concrete.



FLOOR DRAIN
Cost incidental to Class X Concrete





BAR a

DESIGNED	John Hayes
CHECKED	Prakash S. (a)
DRAWN	Leong Heeren
CHECKED	Prakash S. (a)

EXAMINED April 7 1970
PASSED M E Baumann
APPROVED Richard J. Hollerman

S-4-0 4-22-68

SLAB DETAILS-MAIN SPANS
F.A.R.T.409 SEC. 14-14HB-5
CLINTON COUNTY
STATION 3445+15.64

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	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0056
LOCATION 2

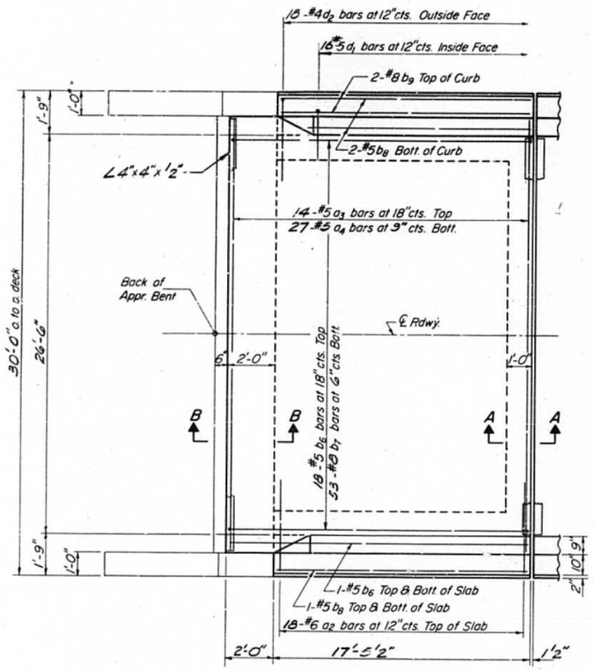
SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	13
		CONTRACT NO. 76L38		
	ILLINOIS FED. AID PROJECT			

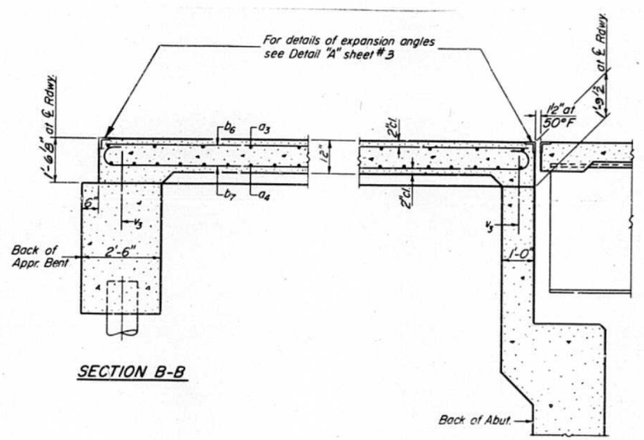
STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 409	14-14 HB-5	Clinton	24	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 4
10 SHEETS

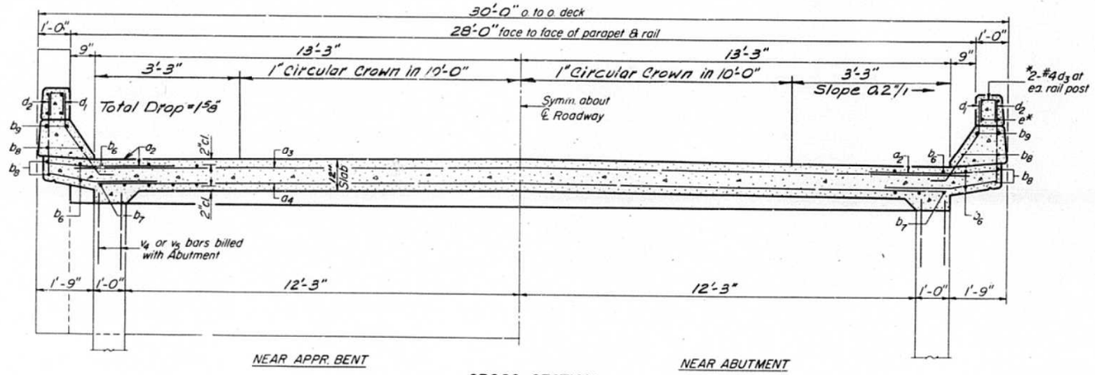


PLAN

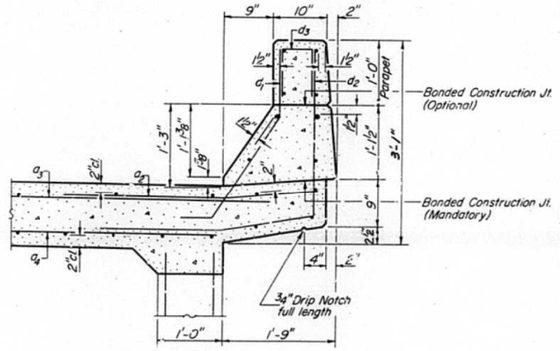


SECTION B-B

SECTION A-A



CROSS SECTION



CURB SECTION

TWO APPR. SLABS
BILL OF MATERIAL

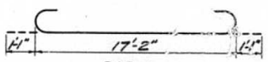
Bar	No.	Size	Length	Shape
a_2	72	#6	4'-0"	—
a_3	28	#5	27'-9"	—
a_4	54	#5	26'-3"	—
b_6	44	#5	19'-2"	—
b_7	106	#8	19'-4"	⊂
b_8	16	#5	17'-2"	—
b_9	8	#8	17'-2"	—
d_1	64	#5	3'-3"	⌋
d_2	72	#4	5'-11"	⌋
Reinforcement Bars			Lbs.	12230
Class X Concrete			Cu. Yds.	53.2

*Parapet Reinforcement and Class X Concrete are billed on sheet #5

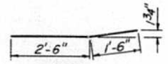
DESIGNED	John Harper
CHECKED	Prakash S. (w)
DRAWN	Leona Heeren
CHECKED	Prakash S. (w)

EXAMINED April 7 1970
PASSED W. E. Baumann ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
APPROVED Richard H. Gelterman CHIEF HIGHWAY ENGINEER

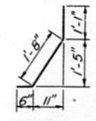
SAS-O 3-1-69



BAR b_7



BAR a_2



BAR d_1

BAR d_2

SLAB DETAILS-APPR. SPANS
F.A. RT. 409 SEC. 14-14 HB-5
CLINTON COUNTY
STATION 3445+15.64

FOR YOUR INFORMATION ONLY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0056
LOCATION 2

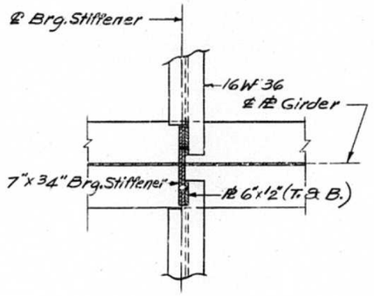
SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

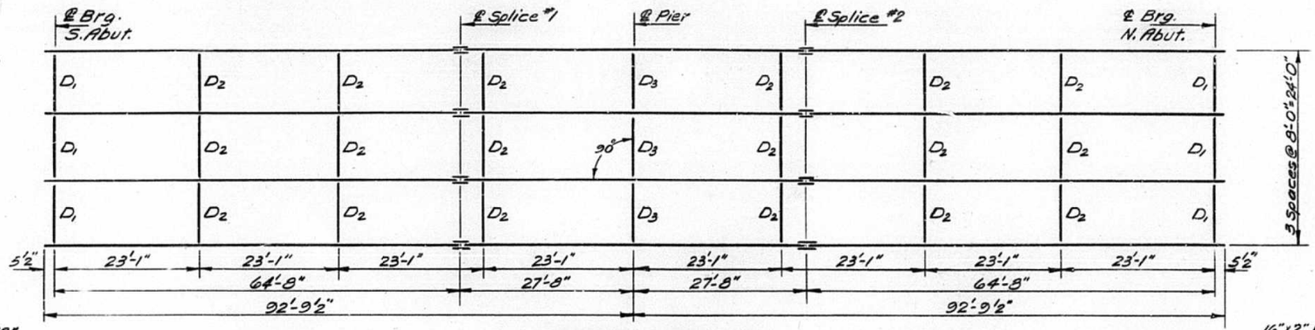
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	14
			CONTRACT NO. 76L38	
		ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS

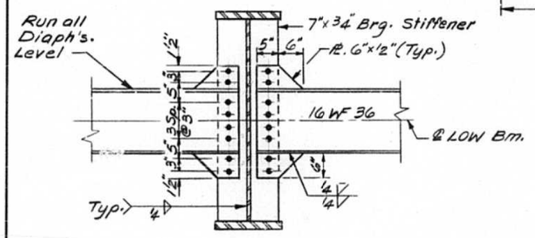
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 409	14-14 HB-5	Clinton	24	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 6
10 SHEETS

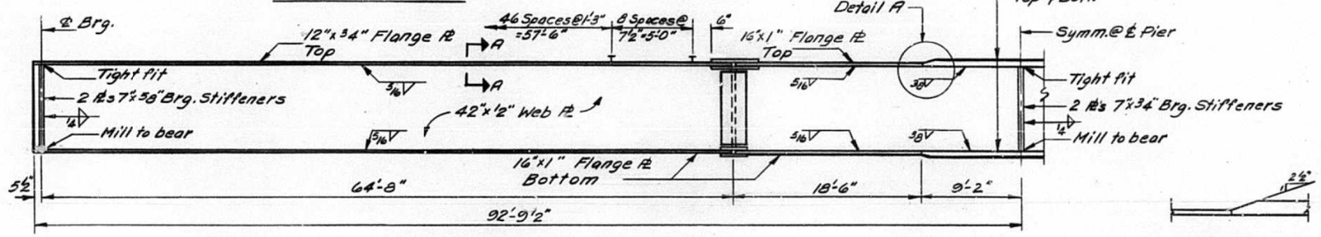




FRAMING PLAN

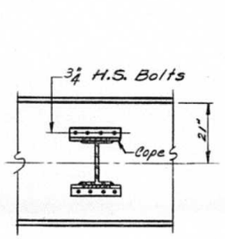


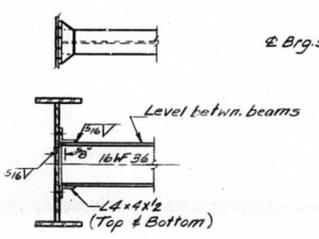
DIAPHRAGM D3
3 Required



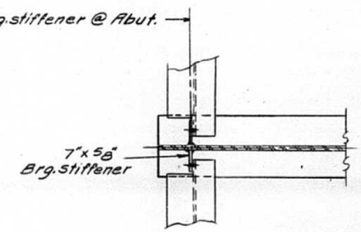
GIRDER ELEVATION

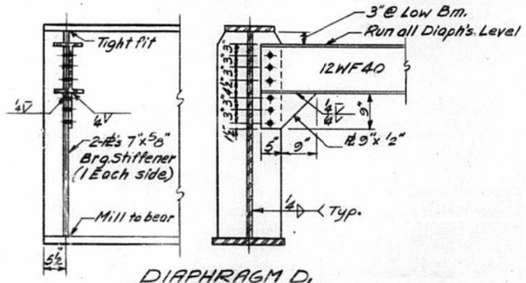
DETAIL A



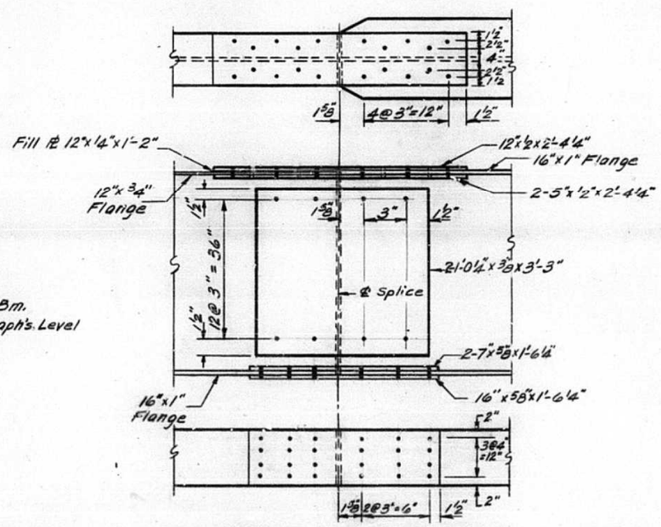


INTERIOR DIAPHRAGM D2
18 Required

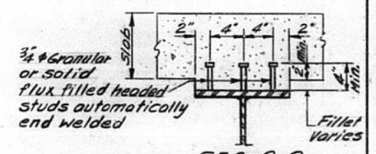




DIAPHRAGM D1
6 Required



FIELD SPLICE
8 Required



SEC. A-A
DETAIL OF
SHEAR CONNECTORS

DESIGNED	John Hayes
CHECKED	Prakash S. (a)
DRAWN	Leona Heeren
CHECKED	Prakash S. (a)

EXAMINED April 7 1970
PASSED W. E. Bamman — ENGINEER OF DESIGN
APPROVED Richard H. Gutterman — CHIEF HIGHWAY ENGINEER

SPLICE & GIRDER DETAILS
F.A.RT.409 SEC.14-14HB-5
CLINTON COUNTY
STATION 3445+15.64

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0056
LOCATION 2

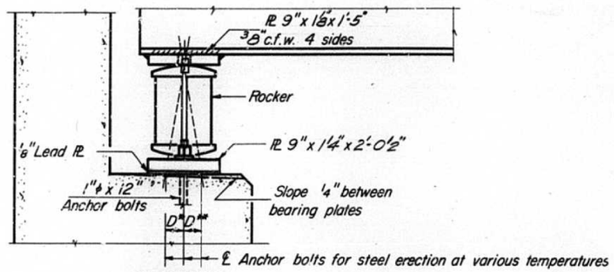
SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	15
		CONTRACT NO. 76L38		
	ILLINOIS FED. AID PROJECT			

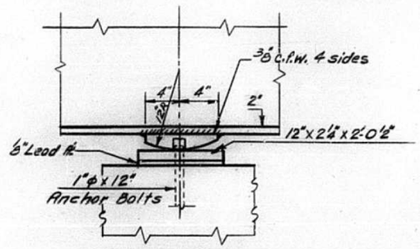
STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 409	14-14 HB-5	Clinton	24	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

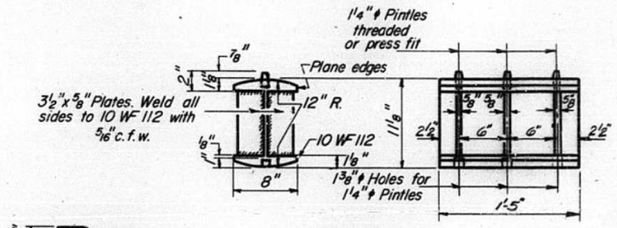
SHEET NO. 7
10 SHEETS



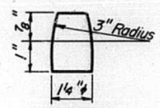
SECTION



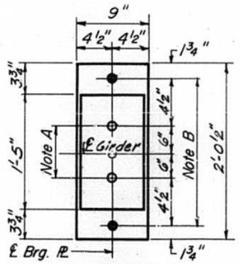
ELEVATION



ROCKER



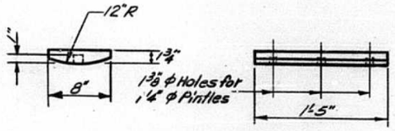
PINTLE



PLAN

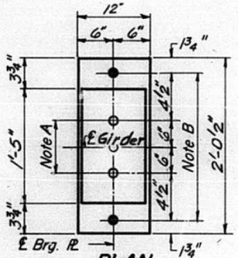
AT ABUTMENTS

NOTE A
1⅜"ϕ Holes – 1" deep in top ℄ for pintles. Thread or press fit pintles into bottom ℄.



ROCKER AT PIER

NOTE B
1½"ϕ Holes for 1"ϕ anchor bolts. 2½"x 2½"x 5/16" ℄. Washers under nut.



PLAN

AT PIER

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ± ⅛ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two ⅛" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

a) D* (Side of brg. away from fixed brg.)
D* = ⅛" per each 100' of expansion for every 15° fall below the normal temp. of 50°F.
D** (Side of brg. toward fixed brg.)
D** = ⅛" per each 100' of expansion for every 15° rise above the normal temp. of 50°F.

b) After beams have been erected and dimensions D* or D** determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

BEARING ASSEMBLY DETAILS

TOP OF WEB ELEVATIONS (FOR FABRICATION ONLY)

	Girder #1	Girder #2	Girder #3	Girder #4
℄ Brg. S. Abut.	491.04	491.14	491.14	491.04
℄ Splice #1	491.59	491.69	491.69	491.59
℄ Pier	491.57	491.67	491.67	491.57
℄ Splice #2	491.59	491.69	491.69	491.59
℄ Brg. N. Abut.	491.04	491.14	491.14	491.04

INTERIOR GIRDER MOMENT TABLE

	0.4 Sp. 1	Pier
Is (in.⁴)	14,097.0	34084.3
Ic (in.⁴)	35,380.6	
Ss (in.³)	882.5	1481.9
Sc (in.³)	1188.6	
℄ (K/i)	.99	1.24
M℄ (IK)	512.3	-1276.9
fs℄ (KSI)	6.96	10.33
S℄ (K/i)	.35	
Ms℄ (IK)	221.24	
M℄ (Ik)	592.39	737.22
Mimp (Ik)	176.94	220.20
Total (Ik)	769.33	957.42
fs ℄ (ksi)	10.46	7.75
fs Total (ksi)	17.42	18.08
VR (k)	46.50	

INTERIOR GIRDER REACTION TABLE

	Abut.	Pier
R℄ (k)	44.79	159.72
R℄ (k)	34.49	53.79
Imp (k)	7.93	12.37
R total	87.21	305.88

Is and Ss are the moment of inertia and section modulus of the steel section.
Ic and Sc are the moment of inertia and section modulus of the composite section used in computing fs.
VR is the maximum ℄ + Impact shear range.

DESIGNED	John Hayes	
CHECKED	Richard S. Gd	
DRAWN	P.G. Barnett	LEH
CHECKED	Richard S. Gd	

EXAMINED April 7, 1970
PASSED H.E. Baumann ENGINEER OF DESIGN
APPROVED Richard H. Voltmann CHIEF HIGHWAY ENGINEER

I-2-B 9-1-65

BEARING DETAILS
F.A.R.T. 409 SEC. 14-14HB-5
CLINTON COUNTY
STATION 3445+15.64

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0056
LOCATION 2

SCALE: | SHEET 6 OF 6 SHEETS | STA. | TO STA.

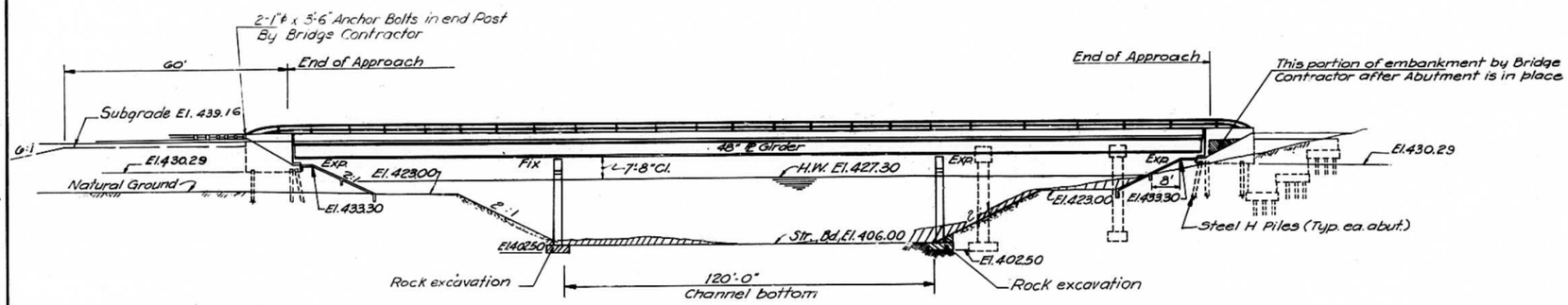
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	16
		CONTRACT NO. 76L38		
		ILLINOIS FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1780	22BR	Clinton	31	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1 of 13 SHEETS

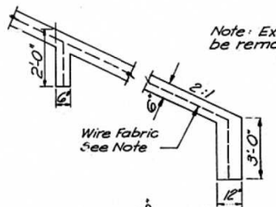
BM : "D" Chiseled on N.W. corner of top step 22'Lt. Sta. 1184+54 El. 442.91
Existing Structure : Built as SBI Rte 12, Sec. 22C in 1922 at Sta. 1174+50 18 Conc. Girder Spans @ 1:180 Steel Truss, RC Closed Abuts. 1C Open Pier & 2 Solid Piers. Existing Structure to be removed by Contractor, as required by Engineer before beginning Construction.
No Salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Note: Existing Substructure to be removed.

ELEVATION



SEC. B-B

PLAN

●#1 thru #4 denotes Boring Locations

Note: P.G. Elev. to Top of Class I

STATION 1177+50
KASKASKIA RIVER
BUILT 197
F.A.S. RT. 1780 SEC. 22 BR
PROJ. BR-S-(780003)
LOADING HS20

NAME PLATE
For Name Plate Details Refer to Std. 2113

GENERAL NOTES :

All Reinforcement Bars Shall be Lapped 24 Diameters Unless Otherwise Shown.
Fasteners Shall be High Strength Bolts 7ϑ" ϕ, Open Holes 15/16" ϕ, Unless Otherwise Noted.
Calculated Weight of Structural Steel = 407,000 Lbs.
The Basic Lead Silico Chromate Paint System Shall be Used for Shop and Field Painting of Structural Steel.
Field Welding of Construction Accessories will not be Permitted to the Bottom Flange of beams or Girders nor to the Top Flange for a Distance Equal to One Fourth the Span Length Each Way From the Pier Supports. Field Welding in Other Areas Will be Permitted Only When Approved by Engineer.
Anchor Bolts Shall be Set Before Bolting Cross Frames Over Supports.
Slope Wall Shall be Reinforced with Welded Wire Fabric 6"x6" Mesh, Weighing 58# Per 100 Sq. Ft.
Lay out of Slope Walls may be Varied in the Field to Suit Ground Conditions as Directed by the Engineer.
The Contractor Shall Drive Four (2) HP10x57 Test Piles in a Permanent Location as Directed By the Engineer Before Ordering the Remainder of Piles. (See Abutment Sheets)

The Embankment Configuration Shown Shall be The Minimum Embankment that Must be Constructed Prior to Construction of the Abutments. Protective Coat Shall not be Applied to Surfaces to which Waterproofing membrane System is Applied.
Bearing Seat Surfaces Shall be Constructed or Adjusted to the Designated Elevations Within a Tolerance of ± 1/8 Inch. Adjustment Shall be Made Either by Grinding the Surface or by Shimming the Bearing. Two 1/8" Adjusting Shims of the Dimensions of the Bottom Bearing Plate, Shall be Provided for Each Bearing in Addition to All Other Plates or Shims.
The main load Carrying member Components Subject to the Supplemental Requirements for Notch Toughness are the Flanges, as designated on Elev. and Webs, and all Splice Plates of the steel Girders or Wide Flange Beams.
Reinforcement bars used in the superstructure deck shall conform to the requirements of AASHTO M31, Gr. 60 or M53, Gr. 60.

DESIGNED	W.H. WEIHS
CHECKED	W.C. WILLIAMS
DRAWN	M.E. BRACHO
CHECKED	W.H. WEIHS

DESIGN STRESSES
f_s = 20,000 p.s.i. (Structural AASHTO M183)
Deck Slab, Load Factor Design (1974 AASHTO)
f'c = 3500 psi
fy = 60,000 p.s.i. (Reinf.)
Substructure, curb and parapets
Service Load Design:
fc = 1400 p.s.i.
f_s = 20,000 p.s.i. (Reinf.)
Vc = 75
n = 10

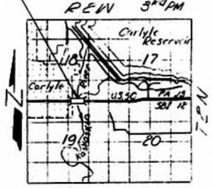
Allow 25#/ft for Future W.S.
Design Specifications: 1973 AASHTO as applicable

LOADING HS 20-44

WATERWAY INFORMATION

Drainage Area	2608 Sq. Mi.
Character	Carlyle Dam release
Present Opening	15,600 Sq. Ft.
Proposed Opening	3,550 Sq. Ft.
Required Opening	3,530 Sq. Ft.
Created Head	0.05'
Q (50) = 10,000 cfs	

Existing Structure



LOCATION SKETCH

RICHARD ANDERSON
REGISTERED
01-3099
ILLINOIS
STRUCTURAL ENGINEER

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Engineer of Bridges & Structures

BOSWELL ENGINEERING

GENERAL PLAN AND ELEVATION
F.A.S. RTE. 1780 (S.B.I. RTE. 12)
F.A.S. RTE. 1780 SECTION 22 BR.
CLINTON COUNTY
STATION 1177+50

Rev. 4-13-22

3.1.12

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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – SN 014-0061
LOCATION 3

SCALE: | SHEET 1 OF 5 SHEETS | STA. | TO STA.

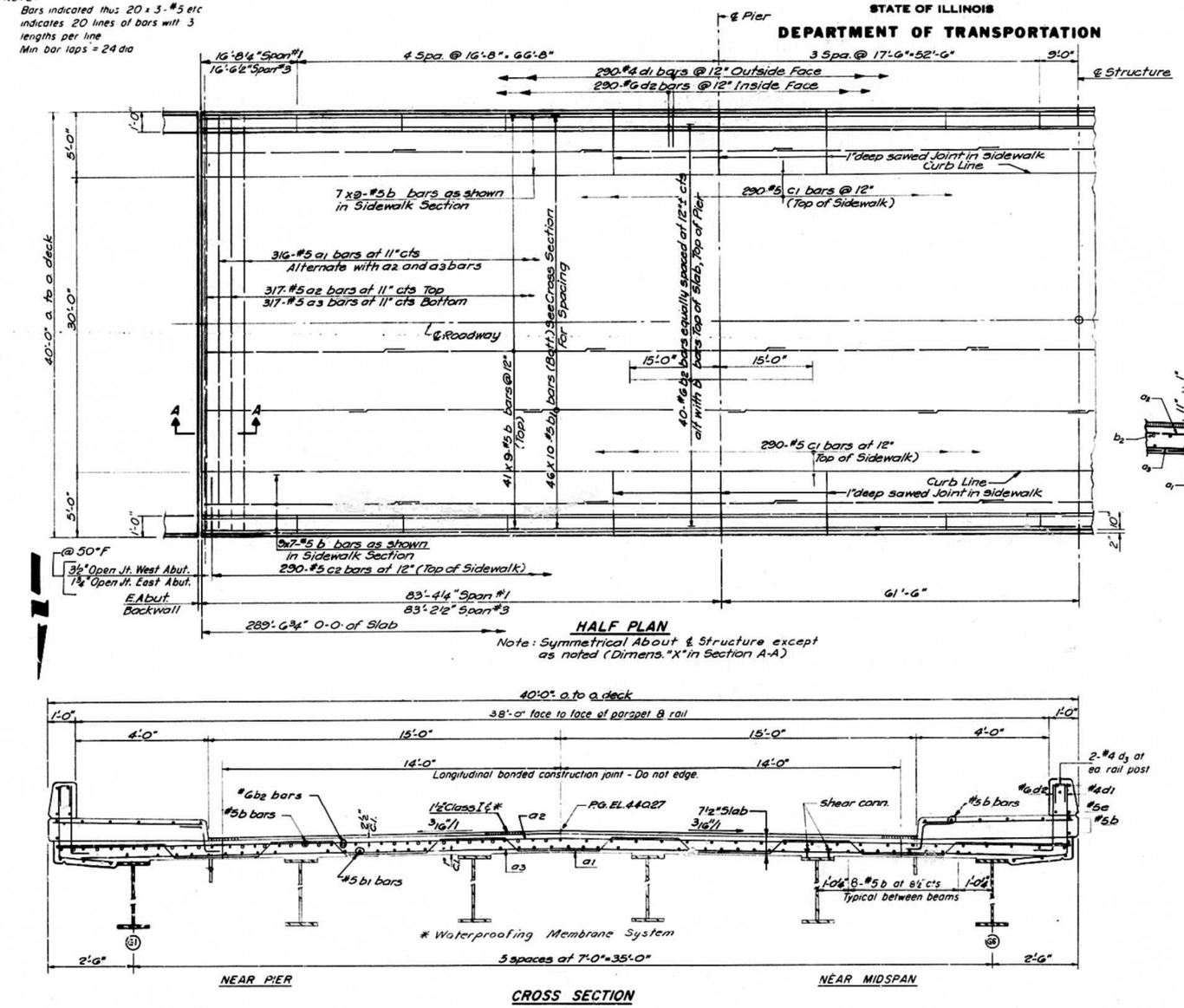
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	17
		CONTRACT NO. 76L38		
	ILLINOIS	FED. AID PROJECT		

NOTE:
Bars indicated thus: 20 x 3-#5 etc indicates 20 lines of bars with 3 lengths per line
Min bar laps = 24 dia

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 1780	2280	Clinton	31	11
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SHEET NO. 4 OF 13 SHEETS

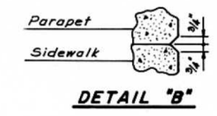


HALF PLAN

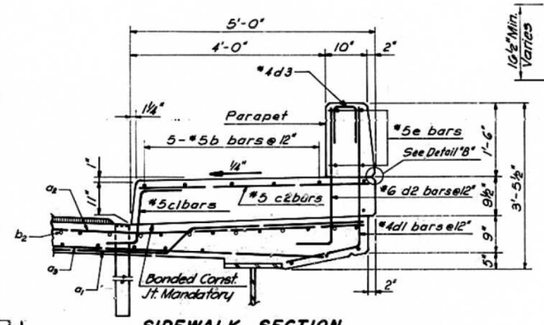
Note: Symmetrical About ℄ Structure except as noted (Dimens. "X" in Section A-A)

NEAR PIER — NEAR MIDSPAN

CROSS SECTION

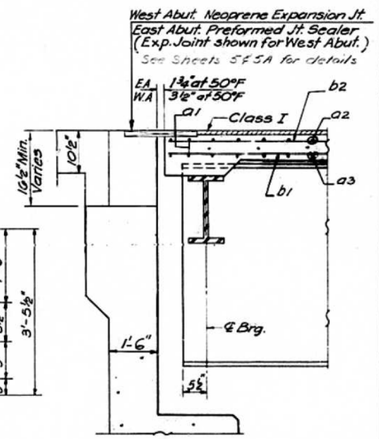


DETAIL "B"



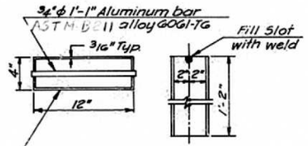
SIDEWALK SECTION

Cost of Aluminum Sheets shall be incidental to Class X Concrete



SECTION A-A

West Abutment Backwall shown.
East Abutment Backwall similar.

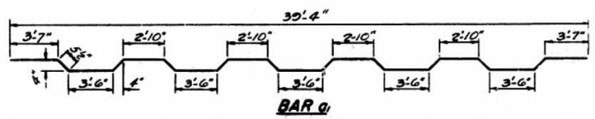


FLOOR DRAIN

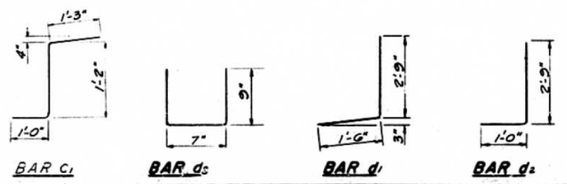
Floor Drain Note:
1. Floor Drains to be provided on both sides of Bridge 6'-0" o.c.
2. Drains shall be located clear of all Cross Frames.
   Place 28 in Span 1 (14 ea. side)
   Place 40 in Span 2 (20 ea. side)
   Place 28 in Span 3 (14 ea. side)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	316	#5	40'-7"	
a2	317	#5	39'-4"	
a3	317	#5	37'-6"	
b	495	#5	33'-4"	
b1	460	#5	30'-1"	
b2	80	#6	30'-0"	
c1	580	#5	3'-3"	
c2	580	#5	4'-7"	
d1	580	#4	4'-2"	
d2	580	#6	3'-8"	
d3	124	#4	2'-0"	
e1	72	#5	16'-1"	
e2	48	#5	17'-3"	
e3	8	#5	17'-2"	
e4	8	#5	16'-2"	
Reinforcement Bars			Lbs.	85,980.0
Class X Concrete			Cu. Yds.	390.0



BAR a1



BAR c1 — **BAR d3** — **BAR d1** — **BAR d2**

DESIGNED	W.H. WEIHS
CHECKED	W.C. WILLIAMS
DRAWN	V.A. ORTEGA
CHECKED	W.H. WEIHS

SUPERSTRUCTURE-SHEET 1
F.A.S. RTE. 1780 (S.B.I. RTE. 12)
OVER KASKASKIA RIVER
SECTION 22 - B.R.
CLINTON COUNTY
STATION 1177 + 50

FOR YOUR INFORMATION ONLY

NOT TO SCALE

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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - SN 014-0061
LOCATION 3

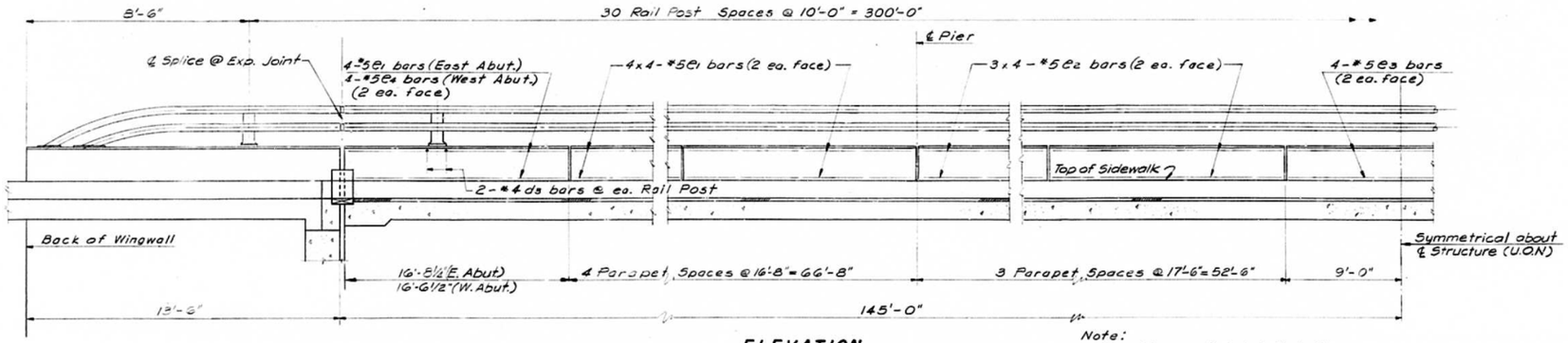
SCALE: | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	18
		CONTRACT NO. 76L38		
		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

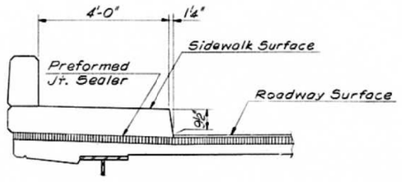
ROUTE NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1780	22B2	Clinton	31	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO 5 OF 13 SHEETS

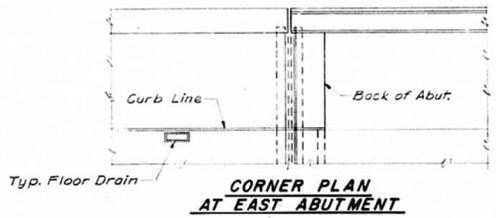


ELEVATION

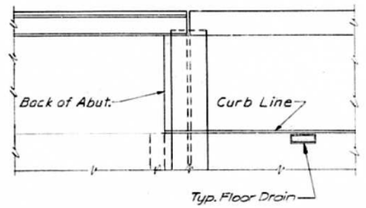
Note:
For Parapet Joint Details
see Sheet No. 6



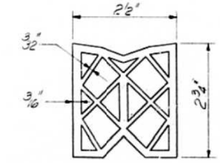
SIDEWALK EXP. JT. INSTALLATION
(EAST ABUTMENT)



CORNER PLAN AT EAST ABUTMENT

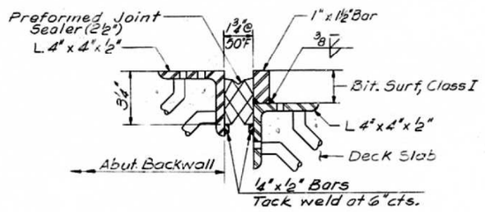


CORNER PLAN AT WEST ABUTMENT



PREFORMED JT. SEALER (2 1/2")

NOTE: For Neoprene Expansion Joint Detail. See Sh. 5A.



ARMORED JT. FOR PREFORMED JT. SEALER
(EAST ABUTMENT)

Note. For Bill of Material
See Sheet No. 4

DESIGNED	W.H. WEIHS
CHECKED	W.C. WILLIAMS
DRAWN	V.A. ORTEGA
CHECKED	W.H. WEIHS

SUPERSTRUCTURE-SHEET 2
F.A.S. RTE. 1780 (S.B.I. RTE. 12)
OVER KASKASKIA RIVER
SECTION 22 - B.R.
CLINTON COUNTY
STATION 1177+50

FOR YOUR INFORMATION ONLY

NOT TO SCALE

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		DRAWN -	REVISED -
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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - SN 014-0061
LOCATION 3

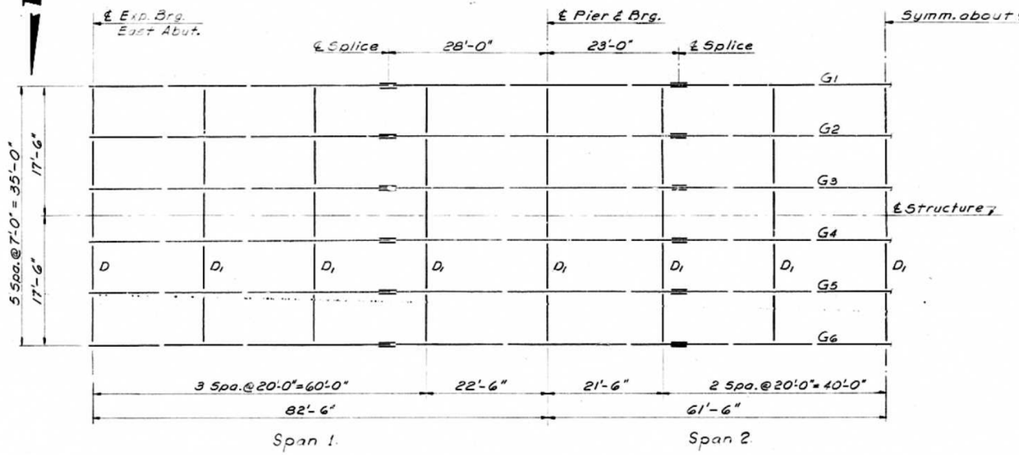
SCALE: | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	19
		CONTRACT NO. 76L38		
	ILLINOIS	FED. AID PROJECT		

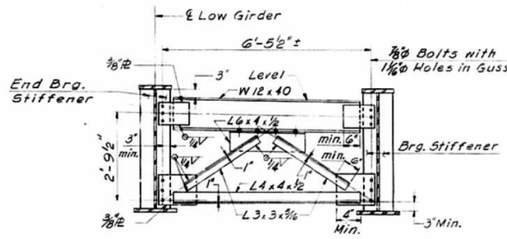
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1780	22BR	Clinton	23	14

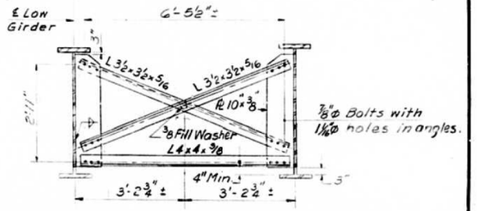
SHEET NO. 7
13 SHEETS



FRAMING PLAN

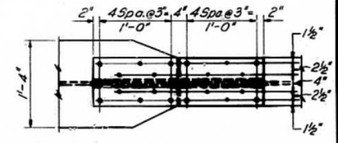


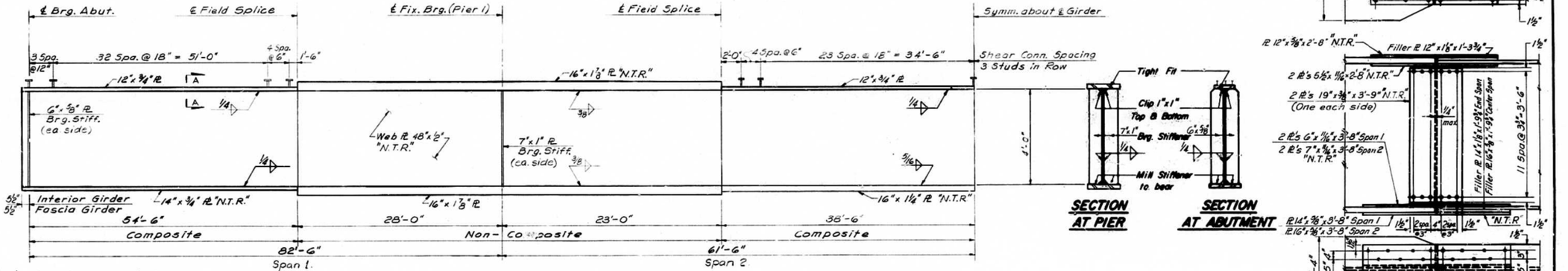
TYPICAL END CROSS FRAME D



TYPICAL INTERIOR CROSS FRAME D1

Notes:
1) All Structural Steel to be AASHTO designated M183 unless otherwise noted.
2) Minimum Fillet Welds to be ¼".
3) Hardened Washers shall be required over Holes in Gusset Plates and Angles



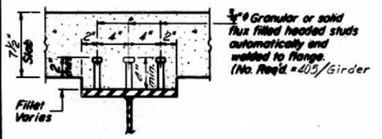


GIRDER ELEVATION

SECTION AT PIER

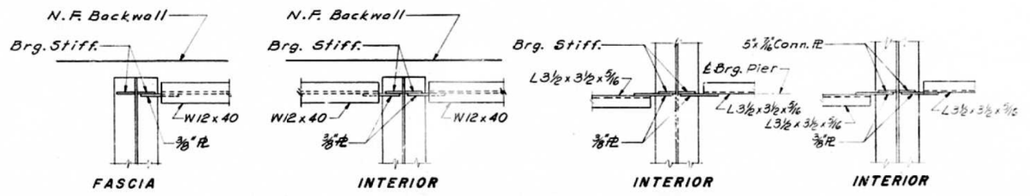
SECTION AT ABUTMENT

Note: "N.T.R." designates Notch Toughness Requirements.



SECTION A-A

DESIGNED	W.H. WEIHS
CHECKED	E. CORNEILLE
DRAWN	V.A. ORTEGA
CHECKED	W.H. WEIHS



TYPICAL FRAME CONNECTION DETAILS

FIELD SPLICE DETAIL
(CONNECTION WITH ⅞"ø H.S. BOLTS)

STEEL FRAMING PLAN
F.A.S. RTE. 1780 (S.B.I. RTE. 12)
OVER KASKASKIA RIVER
SECTION 22 - B.R.
CLINTON COUNTY
STATION 1177+50

FOR YOUR INFORMATION ONLY

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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - SN 014-0061
LOCATION 3

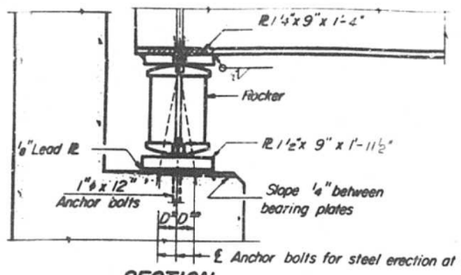
SCALE: | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	20
		CONTRACT NO. 76L38		
	ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	1730	22bA	Clinton	31	15A

SHEET NO. 5 OF



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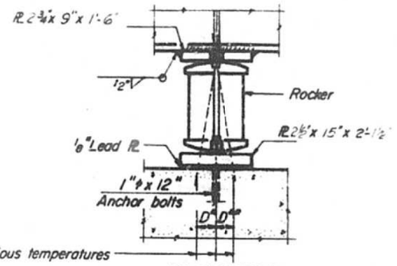

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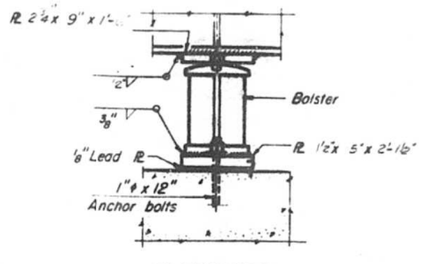

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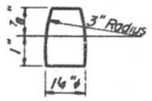
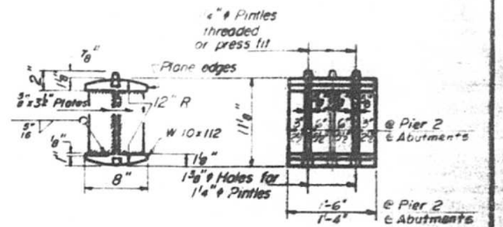
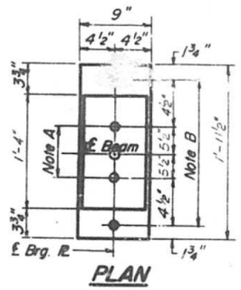


PINTLE



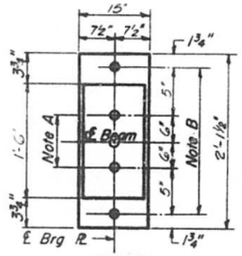
ROCKER



PLAN

AT ABUTMENT
12 Required

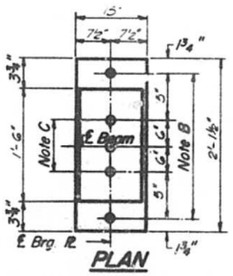
NOTE A
1 3/8"ϕ Holes - 1" deep in top R. for pintles. Thread or press fit pintles into bottom R.



PLAN

AT PIER 2
6 Required

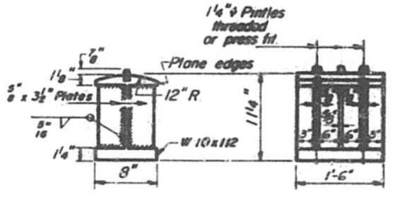
NOTE B
1 1/2"ϕ Holes for 1"ϕ anchor bolts. 16 x 2 1/2" x 2 1/2" R. Washers under nut.



PLAN

AT PIER 1
6 Required

NOTE C
1 3/8"ϕ Holes 1" deep in top R. only for 1 1/4"ϕ pintles.



BOLSTER

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

a) D* (Side of brg away from fixed brg.)
D* = 1/8" per each 100' of expansion for every 15° fall below the normal temp. of 50°F.
D** (Side of brg. toward fixed brg.)
D** = 1/8" per each 100' of expansion for every 15° rise above the normal temp. of 50°F.

b) After beams have been erected and dimensions D* or D** determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

BEARING ASSEMBLY DETAILS

INTERIOR GIRDER MOMENT TABLE

	0.45p.l	Pier	0.55p.l
Is (in.⁴)	16,163.92	41,958.32	20,678.60
Ic (in.⁴)	42,376.86	—	58,072.14
Ss (in.³)	676.04	1,620.80	1,028.90
Sc (in.³)	988.56	—	1,465.50
DL (K/l)	0.845	0.959	0.877
M DL (K)	295.08	1,181.79	498.40
fs DL (KSI)	4.180	8.760	5.823
SDL (K/l)	0.520	0.520	0.520
M SDL (K)	183.74	602.41	380.97
M LL (K)	620.49	671.91	808.73
M IMP (K)	150.00	148.00	179.00
Total (K)	780.49	819.91	987.73
fs LL+DL	11.945	10.320	11.916
Fb fd (ksi)	16.125	19.780	17.941
VR (K)	133.05	—	139.74

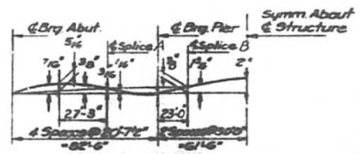
* TOP OF WEB ELEVATIONS

	G1 & G6	G2 & G5	G3 & G4
℄ Brg. Abut	439.028	439.137	439.246
℄ Brg. Pier	439.028	439.137	439.246
℄ Splice A	439.044	439.153	439.262
℄ Splice B	439.101	439.210	439.319

INTERIOR GIRDER REACTION TABLE

	Abut.	Pier
R DL (K)	21.06	107.62
R SDL (K)	14.14	60.73
R LL (K)	44.30	65.80
R IMP (K)	10.64	14.49
R TRUCK (K)	90.14	248.64

* For Fabrication only



CAMBER DIAGRAM

AS REVISED

DESIGNED W.H. WEIHS
CHECKED E. CORNELIUS
DRAWN M. GUTTMAN
CHECKED W.H. WEIHS

As Revised 9-12-17 L.W.

FOR YOUR INFORMATION ONLY

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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

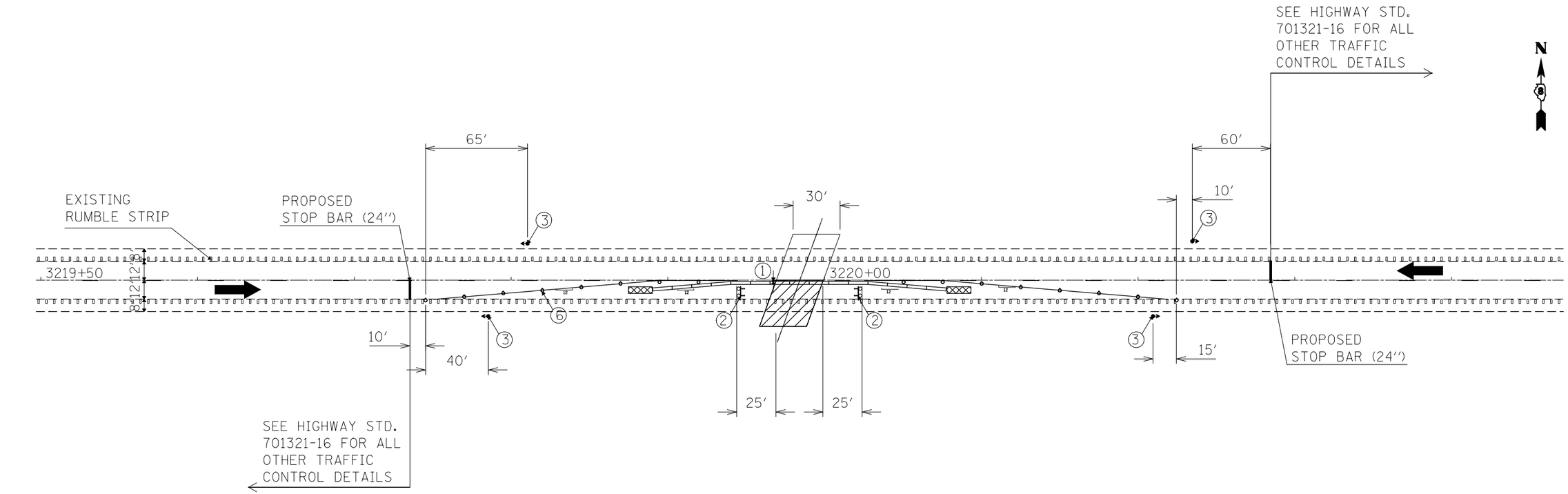
EXISTING PLANS – SN 014-0061
LOCATION 3

SCALE: | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	21
		CONTRACT NO. 76L38		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

1. THE TEMPORARY CONCRETE BARRIER SHALL BE PLACED SLIGHTLY BACK FROM THE LANE LINE TO ENSURE FULL VISIBILITY OF THE LANE LINE.
2. TYPE III BARRICADE TO BE PLACED WHEN NO WORK IS BEING PERFORMED.
3. THE EDGE OF THE POST MOUNTED SIGNAL HEAD SHALL BE BETWEEN 24" AND 6' FROM EDGE OF SHOULDER.
4. SEE HIGHWAY STD. 701321-16 TRAFFIC CONTROL DETAILS NOT SHOWN.
5. STAGING OF THE TAPERED TEMPORARY CONCRETE BARRIER AND DRUMS SHALL BE MIRRORED FOR THE WESTBOUND LANE CLOSURE.
6. DRUMS SHALL BE PLACED AT 25' CENTERS.



LEGEND

- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- WORK AREA
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TRAFFIC DIRECTION ARROW
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL
- DETECTOR LOOPS
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS

SN 014-0055
US 50 AT FROGTOWN RD
STA. 3219+70.17
NOT TO SCALE

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	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

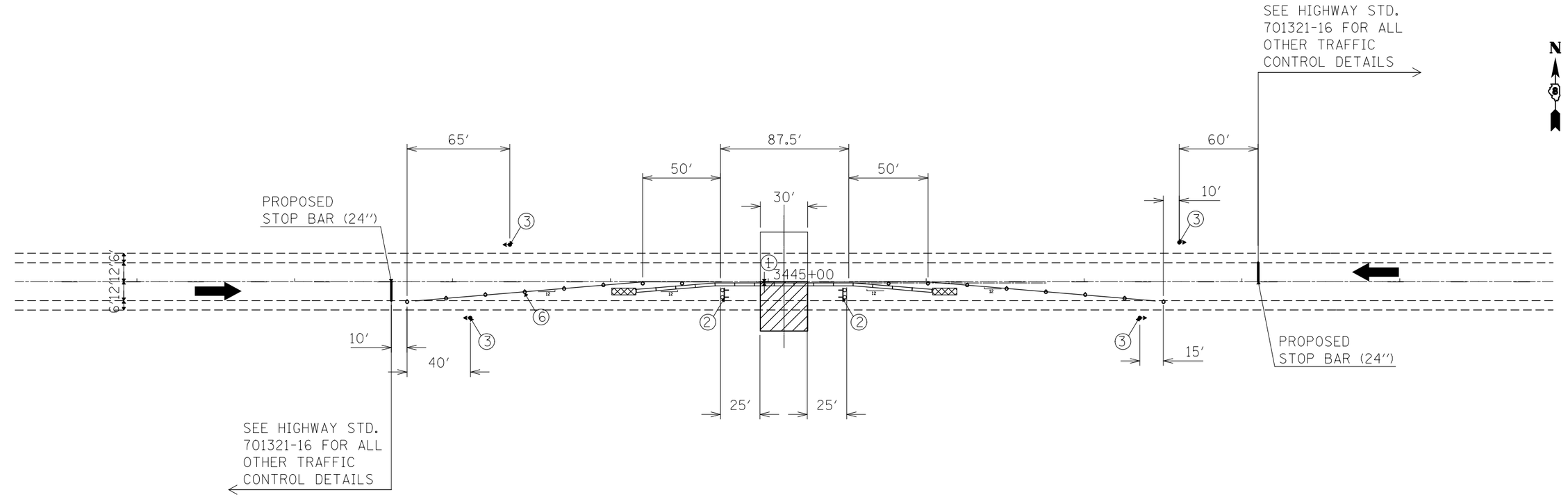
TRAFFIC CONTROL PLAN SHEETS

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	22
		CONTRACT NO. 76L38		
	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

1. THE TEMPORARY CONCRETE BARRIER SHALL BE PLACED SLIGHTLY BACK FROM THE LANE LINE TO ENSURE FULL VISIBILITY OF THE LANE LINE.
2. TYPE III BARRICADE TO BE PLACED WHEN NO WORK IS BEING PERFORMED.
3. THE EDGE OF THE POST MOUNTED SIGNAL HEAD SHALL BE BETWEEN 24" AND 6' FROM EDGE OF SHOULDER.
4. SEE HIGHWAY STD. 701321-16 TRAFFIC CONTROL DETAILS NOT SHOWN.
5. STAGING OF THE TAPERED TEMPORARY CONCRETE BARRIER AND DRUMS SHALL BE MIRRORED FOR THE WESTBOUND LANE CLOSURE.
6. DRUMS SHALL BE PLACED AT 25' CENTERS.



LEGEND

- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- WORK AREA
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TRAFFIC DIRECTION ARROW
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL
- DETECTOR LOOPS
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS

SN 014-0056
US 50 AT FLAT BRANCH RD
STA. 3445+15.64
NOT TO SCALE

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		DRAWN -	REVISED -
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Default	PLOT DATE = 12/8/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN SHEETS

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-14HB-BP-1	CLINTON	23	23
		CONTRACT NO. 76L38		
		ILLINOIS FED. AID PROJECT		