

LATERAL BRACING & BEARING DETAILS
KASKASKIA RIVER
F.A.I. RT. 70 - SEC. 26-3B-1(2)
FAYETTE COUNTY
STA. 544+27

Note: All fillers and rounds 1" radius unless otherwise noted.

DESIGNED R.K. Taylor
CHECKED M.E. Shuman
DRAWN L. Worless
CHECKED M.E. Shuman
EXAMINED H.C. Blum
PASSED F.D. Blum
APPROVE J.E. Bluff
JUNE 6 1963

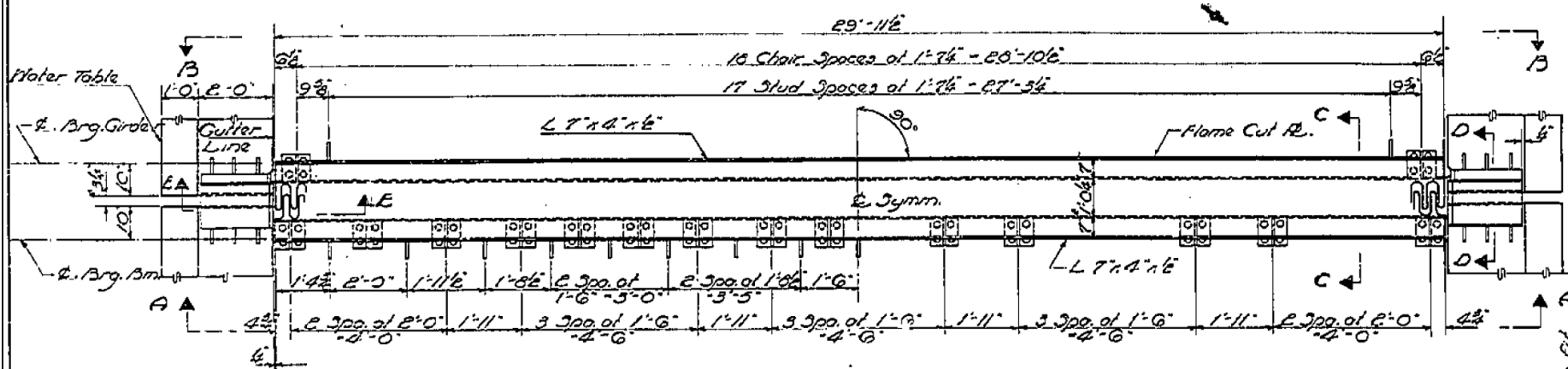


USER NAME = has
ESCA PROJECT NO. 1000.05
PLOT SCALE = 0.1667' / IN.
PLOT DATE = 1/29/2014 2:07:52 PM
DESIGNED - ELH
DRAWN - HAS
CHECKED - RDP
DATE - 08/13
REVISED -
REVISED -
REVISED -
REVISED -

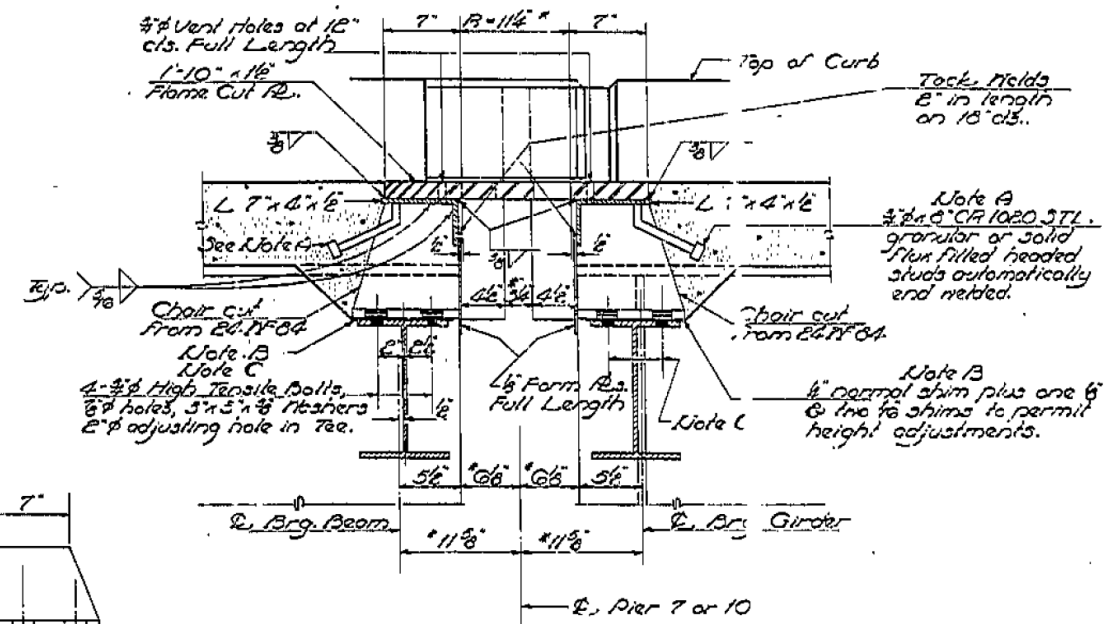
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY
SCALE: SHEET NO. 8 OF 28 SHEETS STA. TO STA.

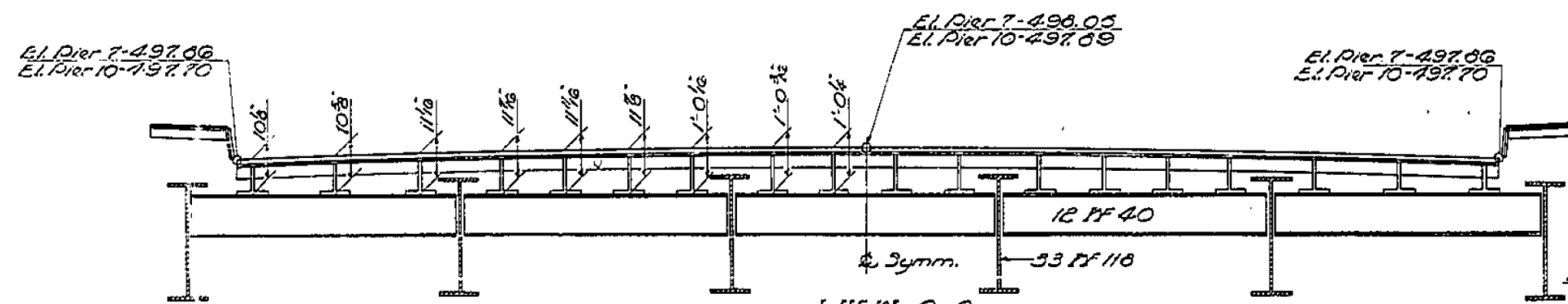
F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	201
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN
Finger Plates of Piers 7 & 10

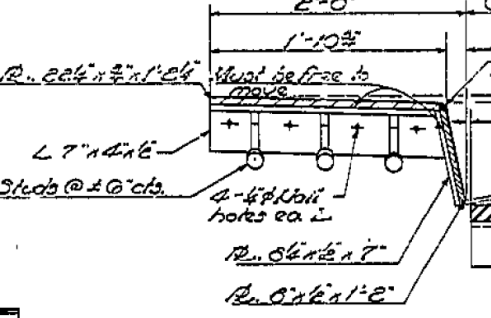


SECTION C-C



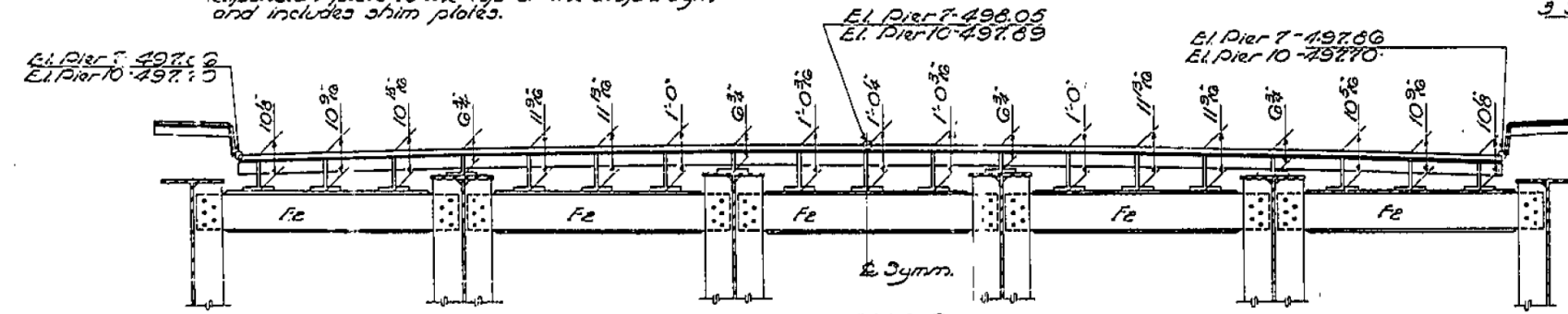
VIEW A-A

CHAIR DETAIL

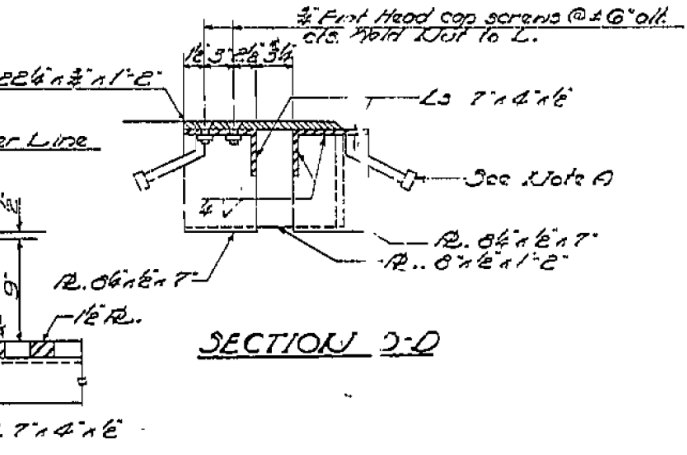


SECTION E-E

Note:
All offsets shown are from the top of the expansion plate to the top of the diaphragm and includes shim plates.



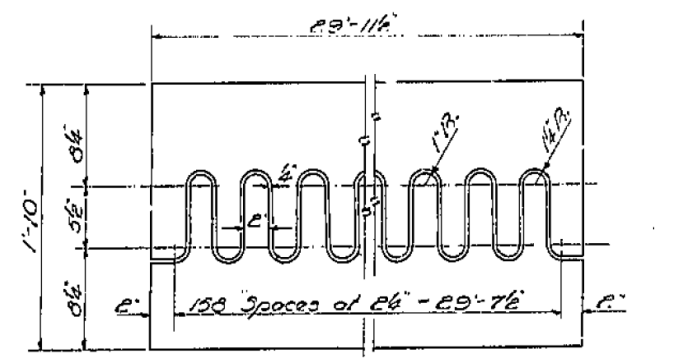
VIEW B-B



SECTION D-D

TABLE OF "R" DIMENSIONS

R:	10"	30"	50"	70"	90"	110"
Pier 1	12 5/8	11 3/8	11 1/4	10 9/16	9 3/8	9 3/8
Pier 4	12 6/8	11 1/4	11 1/4	10 7/8	10 5/8	9 3/8



FLAME CUT PLATE DETAIL

Note:
Dimensions which vary due to changes in temperature are given for a normal temperature of 50°F and are marked by an asterisk (*).

DESIGNED R.K. Taylor
CHECKED M.E. Lomaha
DRAWN M.E. Lomaha
CHECKED M.E. Lomaha
EXAMINED H.C. B...
PASSED [Signature]
APPROVED V.E. Bluff

JUNE 6 1963



USER NAME = has
ESCA PROJECT NO. 1000.05
PLOT SCALE = 0.1667' / IN.
PLOT DATE = 1/29/2014 2:08:03 PM

DESIGNED - ELH
DRAWN - HAS
CHECKED - RDP
DATE - 08/13

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

SCALE: SHEET NO. 9 OF 28 SHEETS STA. TO STA.

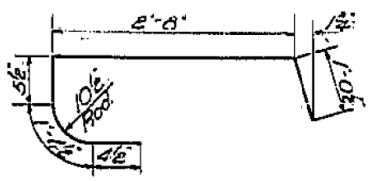
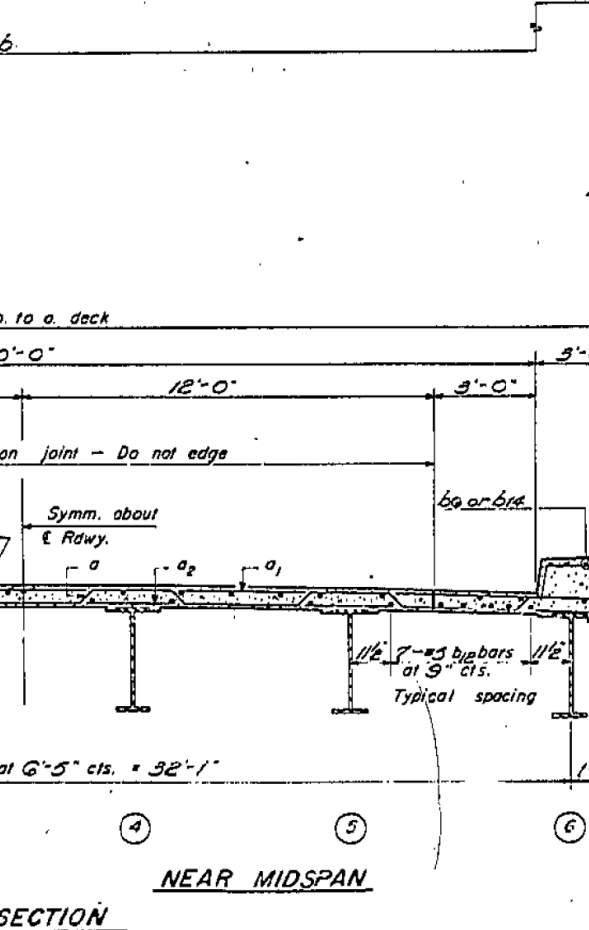
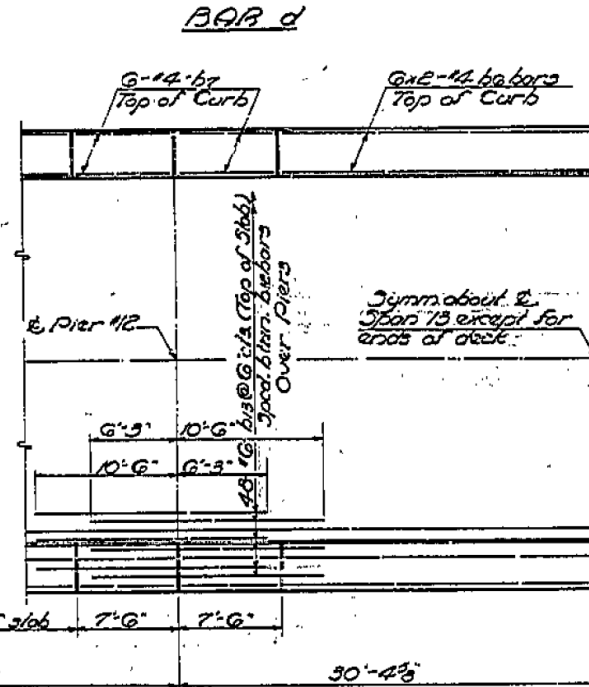
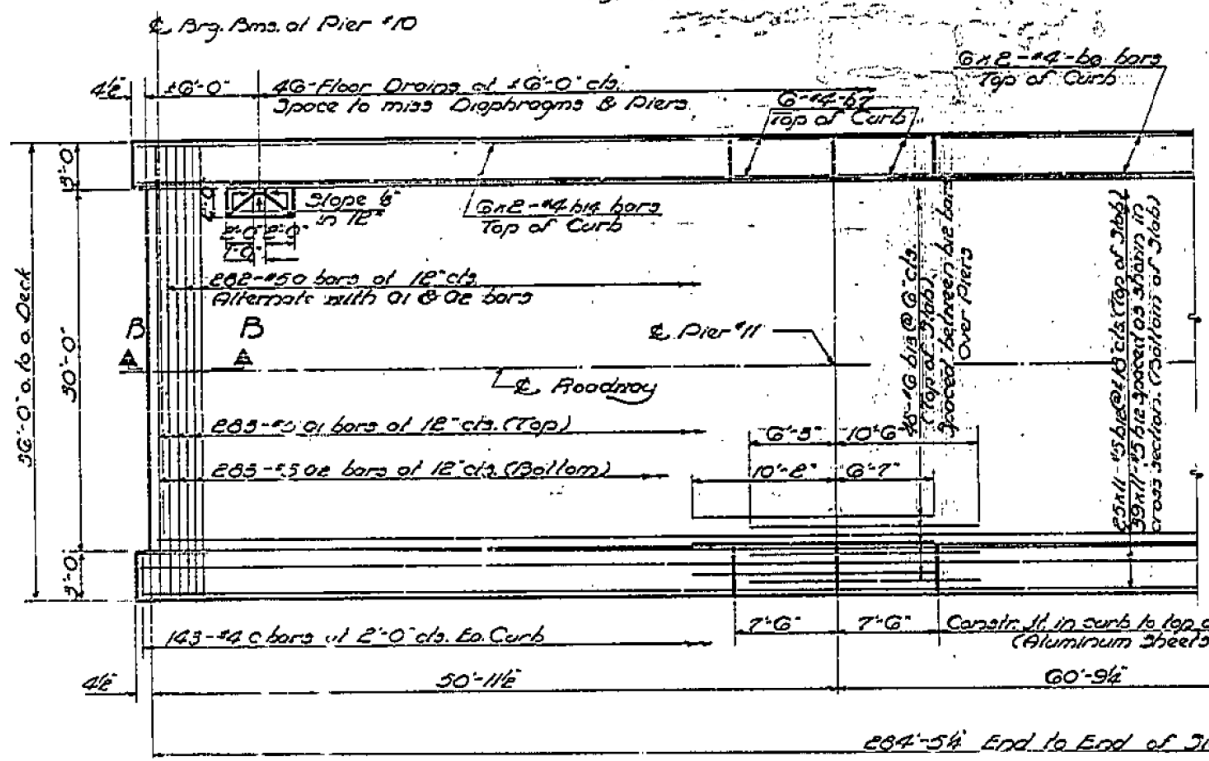
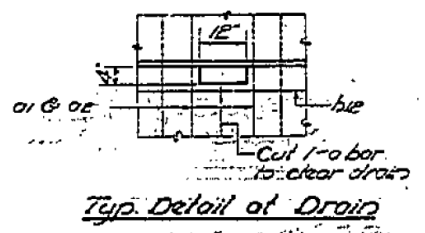
F.A.I. RT. 70 - SEC. 26-3B-1(2)
FAYETTE COUNTY
STA. 544 + 27

F.A.I. RT. 70	SECTION (26-3B-1, 3B-1(3))BR	COUNTY FAYETTE	TOTAL SHEETS 277	SHEET NO. 202
CONTRACT NO. 74175			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

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

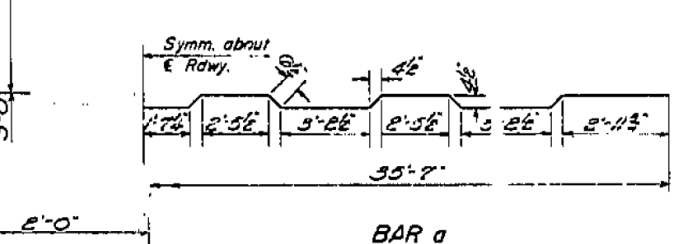
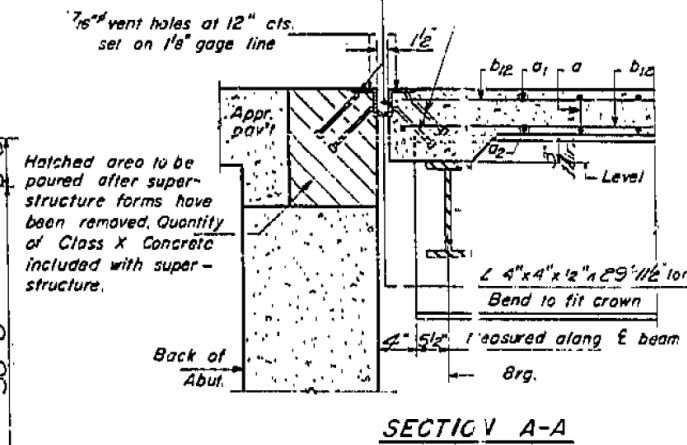
PROJECT NO.	SECTION	CON.	TOTAL SHEETS	SHEET NO.	SHEET NO. 10
70-112	26-3B	FAYETTE	36	14	30 SHEETS

Note:
Bars indicated thus 20x3 → 5 etc. indicate 20 lines of bars with 3 lengths per line. Min bar laps = 20 dia.



7/8" holes at 12" cts. for 3/8" bolts set on 2 1/2" gage line. All bolts shall be burned, sawed or clipped off flush with back of angles after forms are removed.

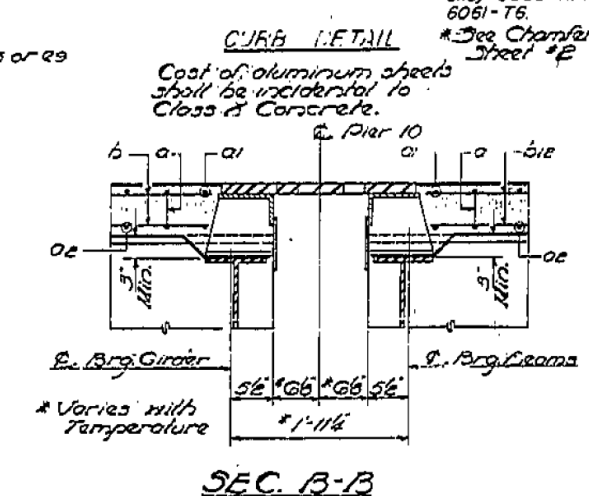
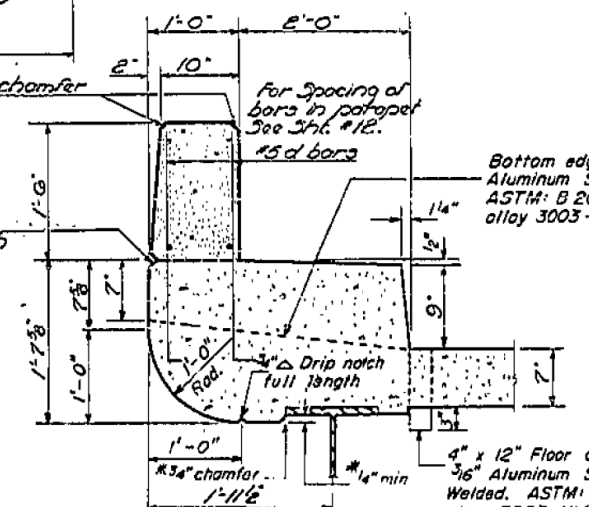
3/4" x 6" CR 1020 STL granular or solid flux filled headed studs, automatically end welded. (Alternate at 1'-0" cts.)



STANDARD FILLET DETAIL
To determine "r" After structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 30. These elevations subtracted from the "Grade Elevations Adjusted for Dead Load Deflections" shown on sheet 30, minus slab thickness, equals the fillet height "r" above top of beams.

DESIGNED: R. K. Taylor
CHECKED: G. H. W.
DRAWN: R. X. T. H. Jacobs
O. L. Beemer
EXAMINED: W. E. Bauman
PAID: G. E. H.
APPROVED: U. E. Hoff

I-6-0 7-2-61 Rev. 11-9-62



BI-L OF MATERIAL

Bar	Qty	Size	Length	Shape
a	1	3/8"	57'-9"	
a1	1	3/8"	35'-6"	
a2	1	3/8"	35'-0"	
b1e	2	1/2"	26'-9"	
b1c	1	1/2"	10'-9"	
b1d	1	1/2"	22'-3"	
b6	1	1/2"	23'-3"	
b7	2	1/2"	7'-3"	
c3	2	1/2"	14'-5"	
c4	2	1/2"	7'-3"	
c5	2	1/2"	14'-11"	
c9	2	1/2"	14'-3"	
c	2	1/2"	5'-11"	
d	1	1/2"	2'-9"	

Reinforcement Bars Lbs. 64880
Structural Steel Lbs. 25770
Class X Concrete Cu Yds. 314.2

* Weight of bearing assemblies with lead plates and anchor bolts are included as structural steel.
Est Weight = 10,090*

SUPERSTRUCTURE
BEAM SPANS 11, 12, 13, 14 & 15
F.A.I.R.T. 70-SEC. 26-3B-1(K)
FAYETTE COUNTY
STA. 544+27



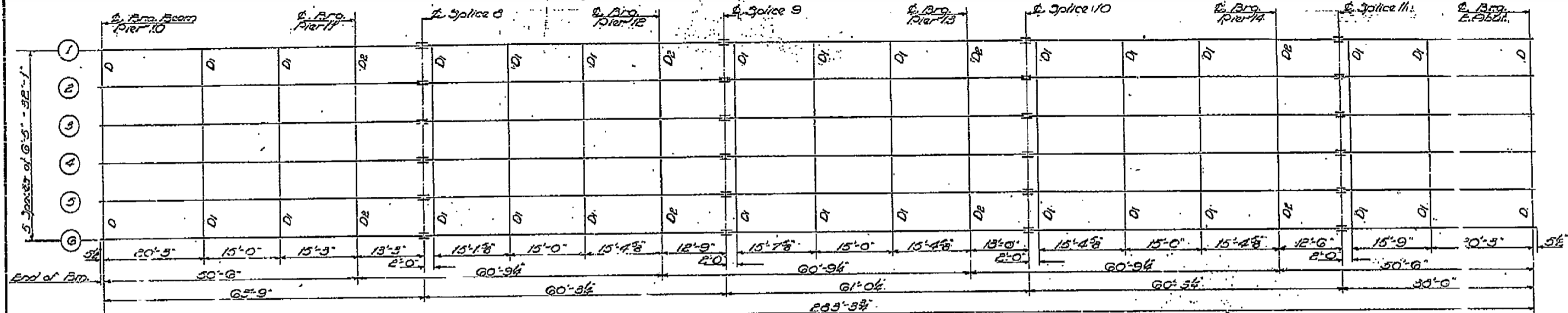
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ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

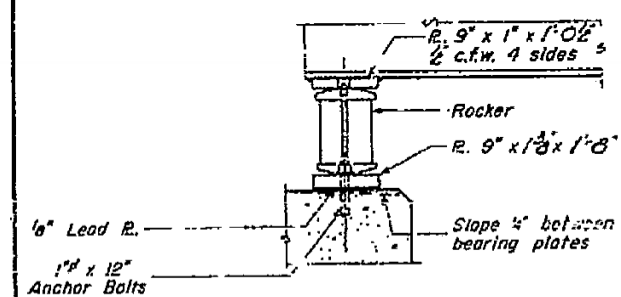
STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

SCALE: SHEET NO. 10 OF 28 SHEETS STA. TO STA.

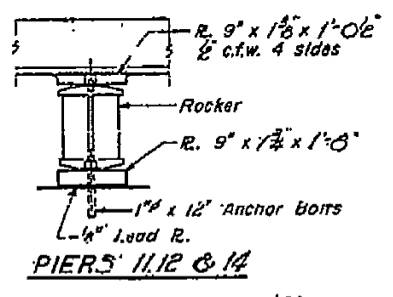
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	203
CONTRACT NO. 74175			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



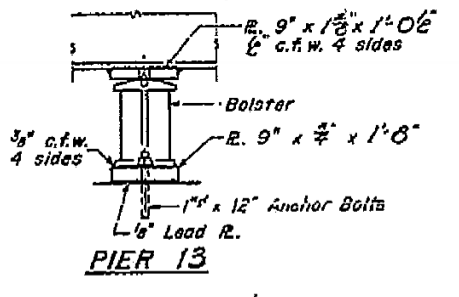
FRAMING PLAN
All Beams 33 LF 116



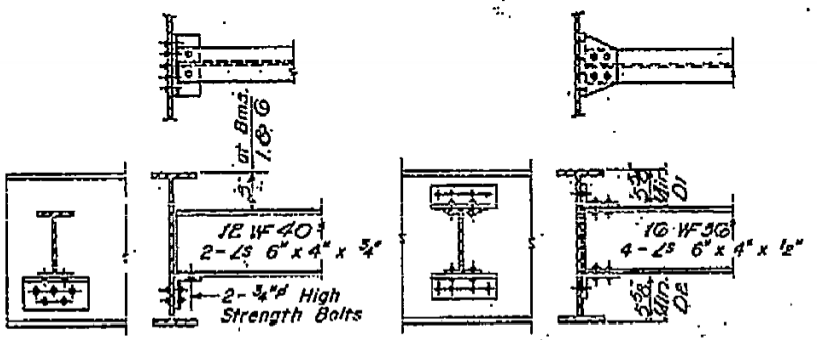
SECTION AT ABUTMENT & PIER 10



PIERS 11, 12 & 14



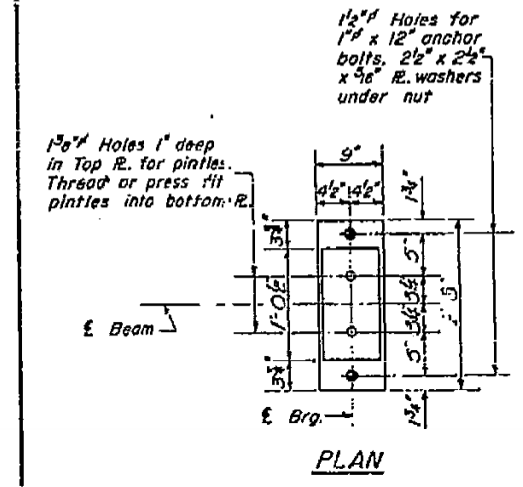
PIER 13



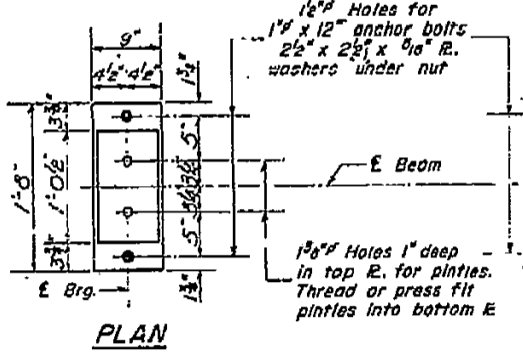
DIAPHRAGM D
170 Required

DIAPHRAGM D1 & D2
Required 65-D1, 20-D2

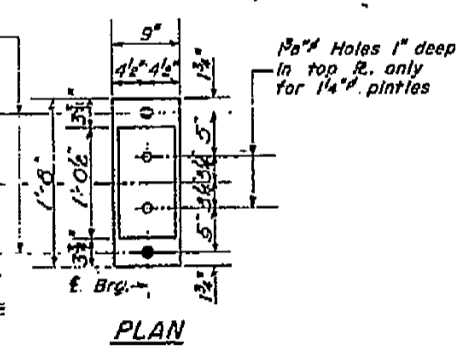
ELEVATION TOP OF WF			
Location	2ms.100	3ms.200	3ms.364
E. Brg. Pier 10	497.12	497.25	497.32
E. Pier 11	496.96	497.09	497.16
E. Splice 8	496.92	497.05	497.12
E. Pier 12	496.88	496.95	497.02
E. Splice 9	496.79	496.92	496.99
E. Pier 13	496.66	496.79	496.86
E. Splice 10	496.63	496.76	496.83
E. Pier 14	496.50	496.63	496.70
E. Splice 11	496.46	496.59	496.66
E. Brg. E. Abut.	496.43	496.56	496.63



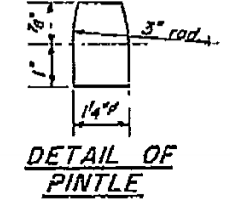
PLAN



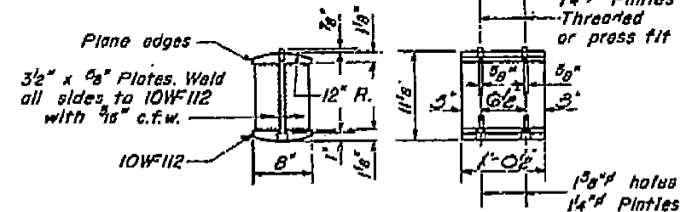
PLAN



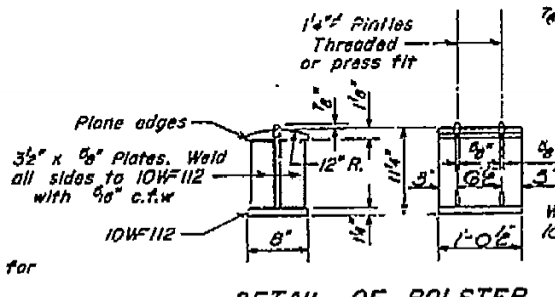
PLAN



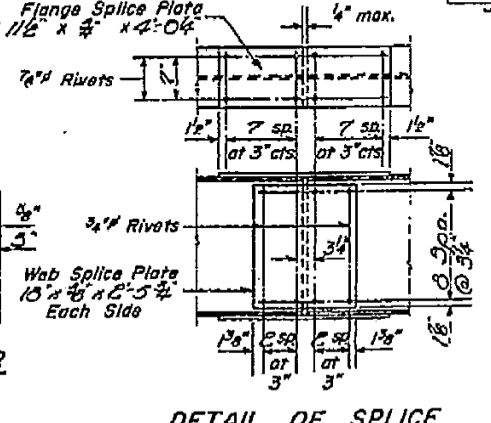
DETAIL OF PINTLE



DETAIL OF ROCKER AT PIERS 10, 11, 12, 14 & EAST ABUT.



DETAIL OF BOLSTER AT PIER 13



DETAIL OF SPLICE

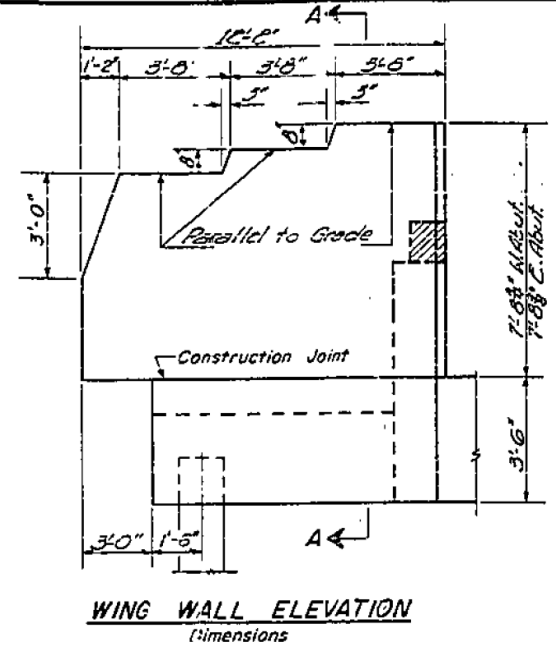
DESIGNED: R.V. Taylor
CHECKED: G.H. Higgins
DRAWN: W.A. Goldsman Jr.
APPROVED: H.G. Bluff

JUNE 6 1963

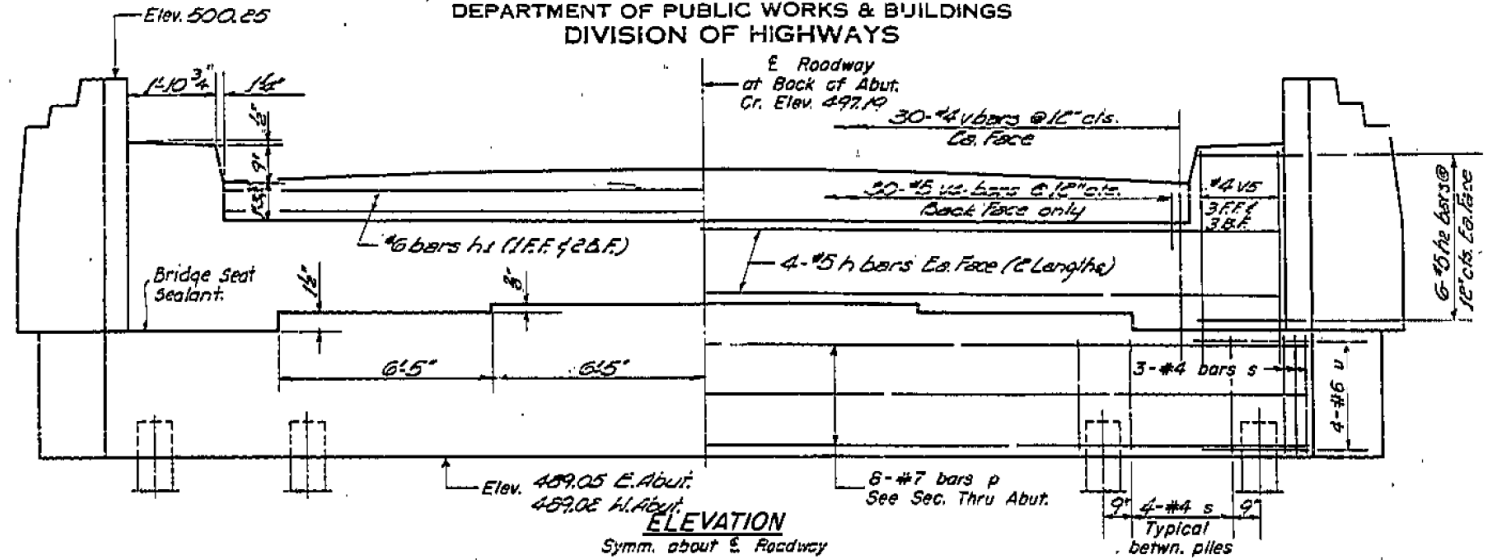
STRUCTURAL STEEL BEAM SPANS 11, 12, 13, 14 & 15
E.A. 107.70 - SEC. 26-3B-1(2)
FAYETTE COUNTY
STA. 544 + 27

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

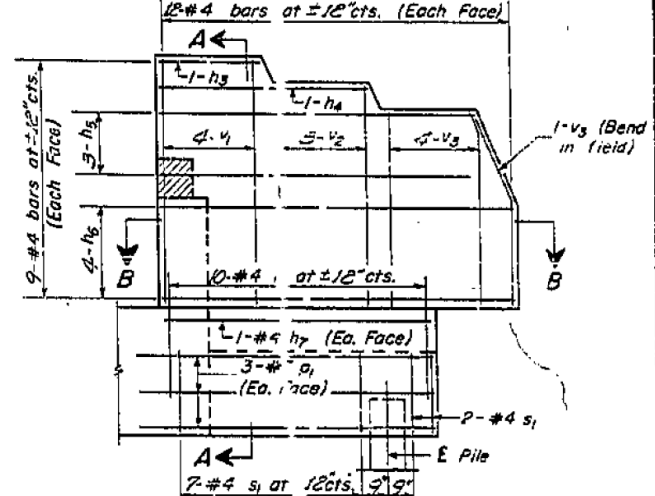
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F.A.I. RT. 70	26-3B-1(2)	FAYETTE	36	17
SHEET NO. 17 30 SHEETS				



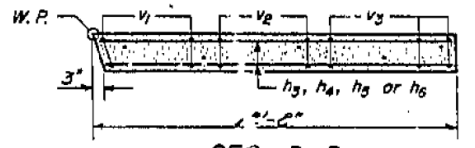
WING WALL ELEVATION
Dimensions



ELEVATION
Symm. about E. Roadway



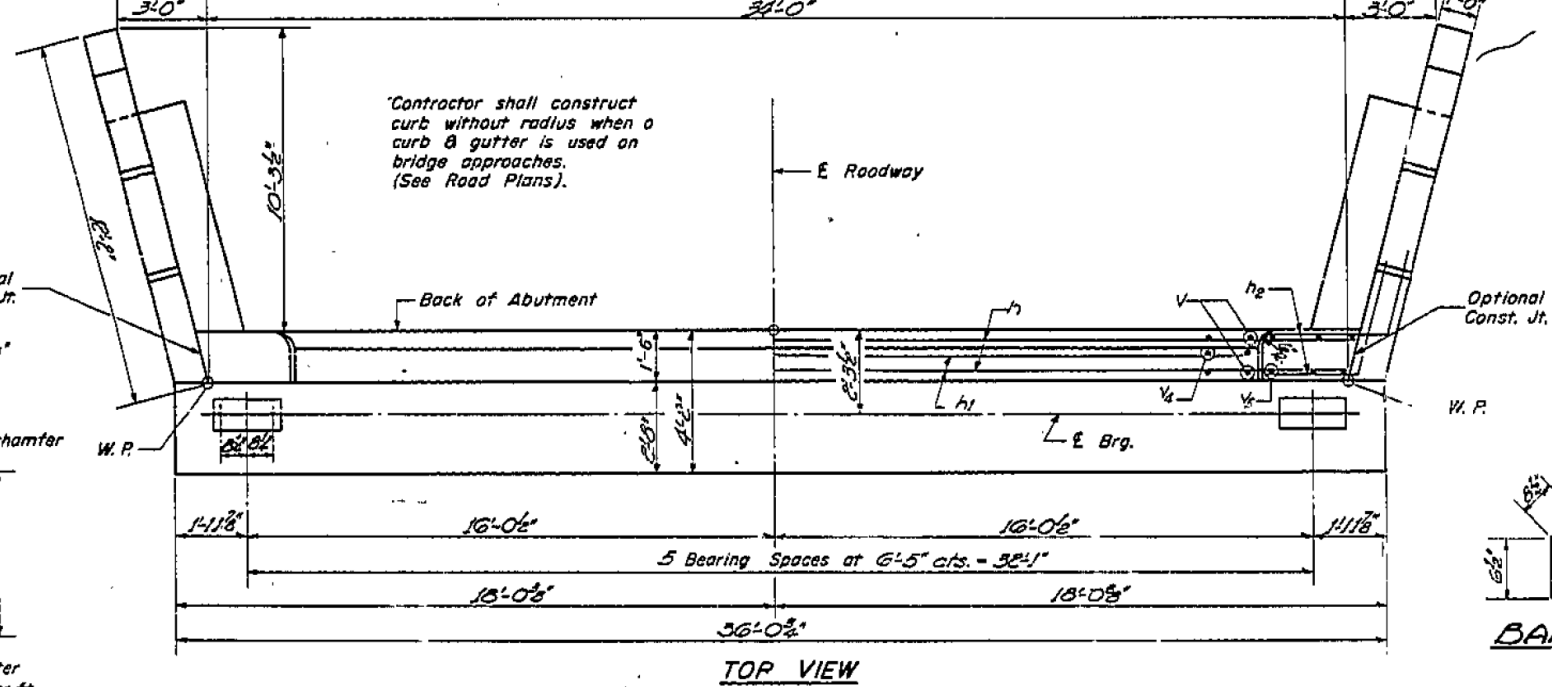
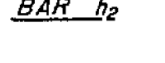
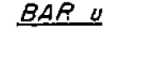
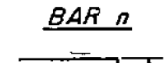
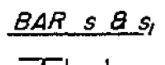
WING WALL ELEVATION
Reinforcement



SEC. B-B

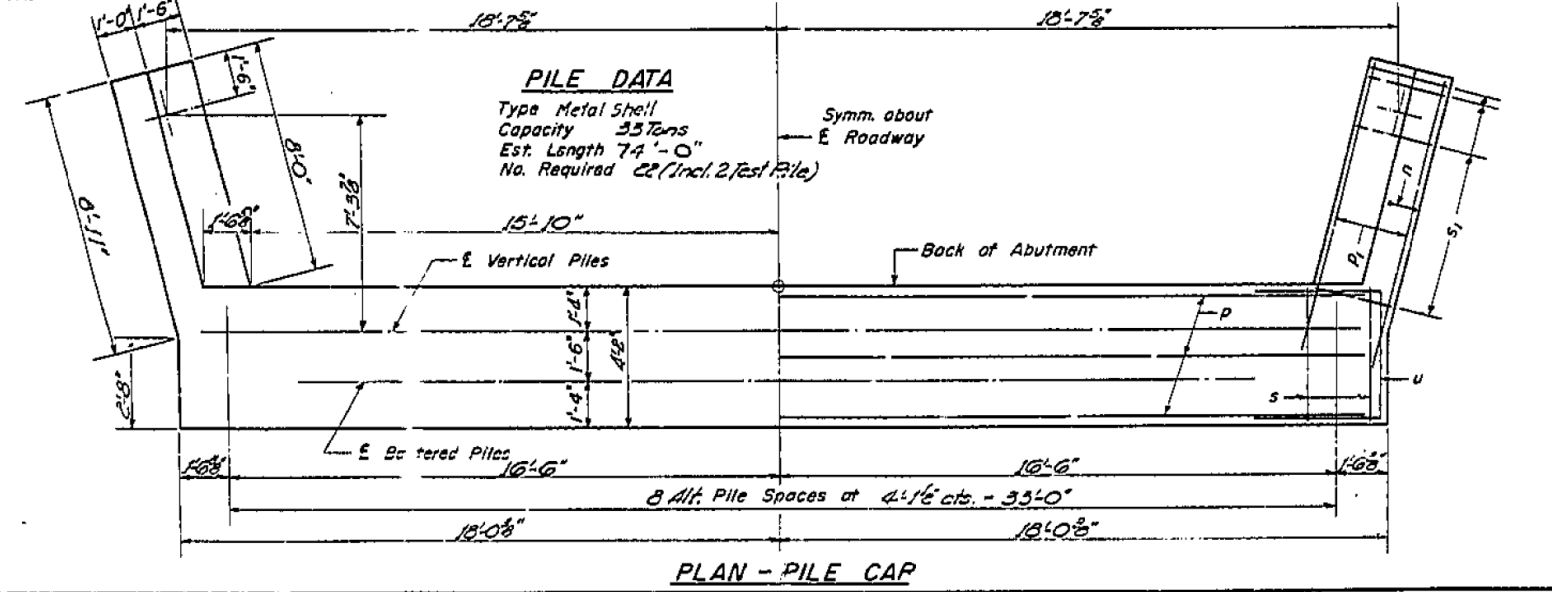
E & W. ABUTMENT
BILL OF MATERIAL

Bar No.	Size	Length	Shape
h	#2	17'-9"	—
h1	#6	29'-9"	—
h2	#5	5'-0"	—
h3	#4	3'-1"	—
h4	#4	6'-9"	—
h5	#4	10'-5"	—
h6	#4	11'-8"	—
h7	#4	8'-8"	—
n	#4	7'-9"	U
p	#7	35'-9"	—
p1	#7	10'-5"	—
s	#4	12'-9"	□
s1	#4	9'-5"	□
u	#6	10'-9"	□
v	#4	4'-0"	—
v1	#4	11'-0"	—
v2	#4	10'-4"	—
v3	#4	9'-8"	—
v4	#5	2'-7"	—
v5	#4	6'-3"	—
Class X Concrete		Cu. Yds.	67.2
Reinforcement Bars		Lbs.	5980
Metal Shell Piles 12"		Lin. Ft.	1480
Test Piles (Metal Shell)		Eq.	2

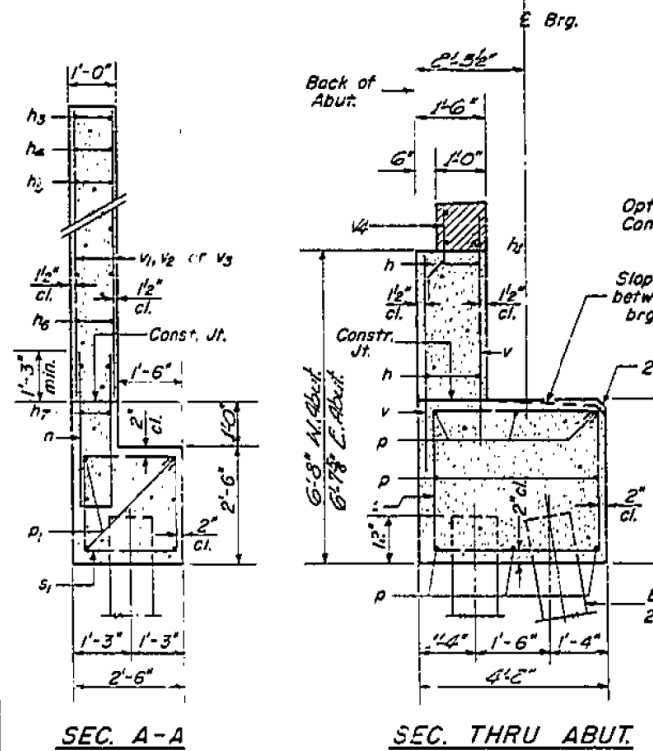


TOP VIEW

PILE DATA
Type Metal Shell
Capacity 35 Tons
Est. Length 74'-0"
No. Required 22 (Incl. 2 Test Pile)



PLAN - PILE CAP



SEC. A-A

SEC. THRU ABUT.

DESIGNED	R.X. Taylor	DATE	JUNE 6 1963
CHECKED	P.H. Johnson	EXAMINED	H.E. Brown
DRAWN	W.A. Soudan Jr.	APPROVED	U.S. Moffatt
CHECKED	P.H. Johnson		

A-3 7-18-62 Rev. 11-27-62

E. & W. ABUTMENTS
F.A.I. RT. 70 SEC. 26-3B-1(2)
FAYETTE COUNTY
STA. 544+27



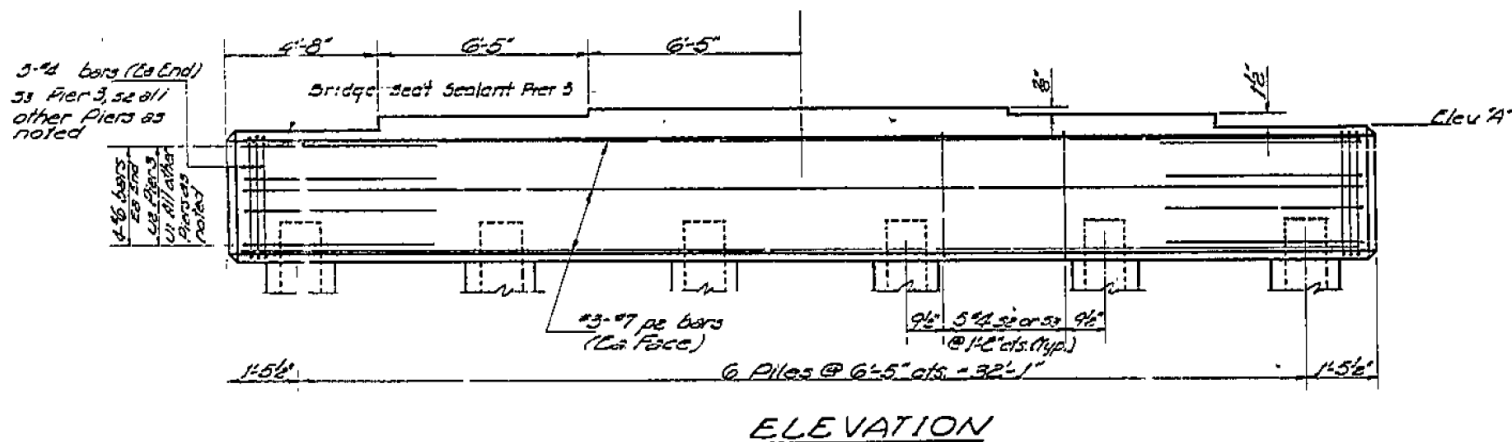
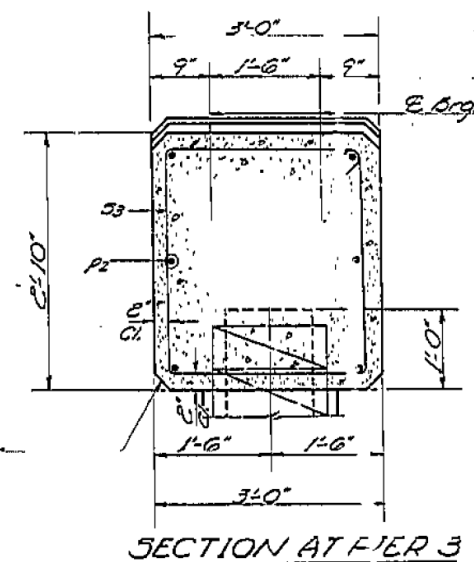
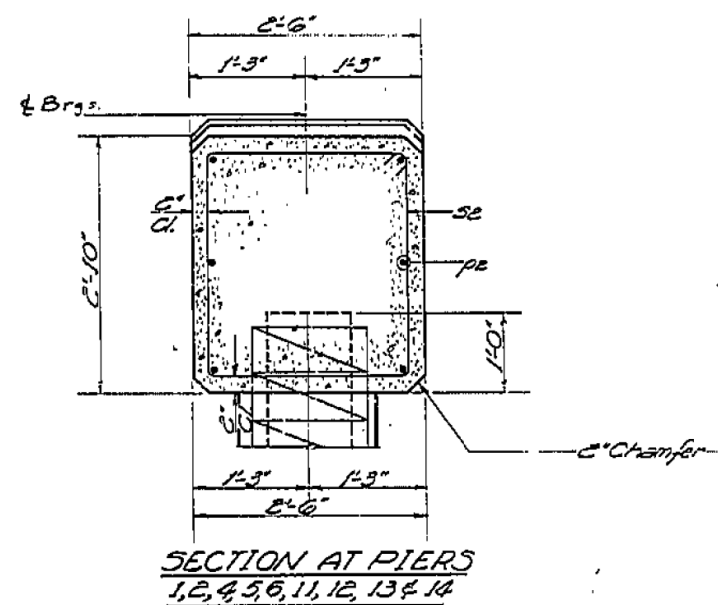
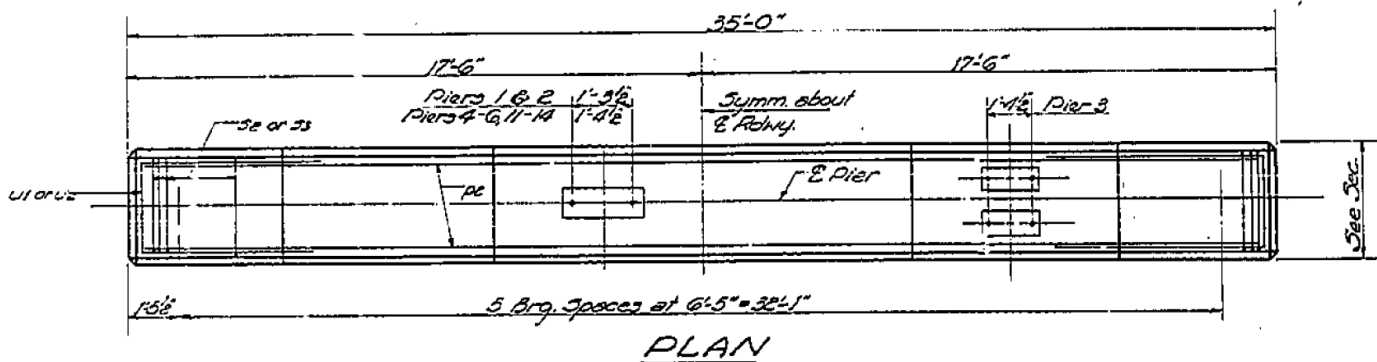
USER NAME	= has	DESIGNED	- ELH	REVISED	-
ESCA PROJECT NO.	1000.05	DRAWN	- HAS	REVISED	-
PLOT SCALE	= 0.1667 / IN.	CHECKED	- RDP	REVISED	-
PLOT DATE	= 1/29/2014	DATE	- 08/13	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
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SCALE: SHEET NO. 12 OF 28 SHEETS STA. TO STA.

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	205
CONTRACT NO. 74175			ILLINOIS FED. AID PROJECT	



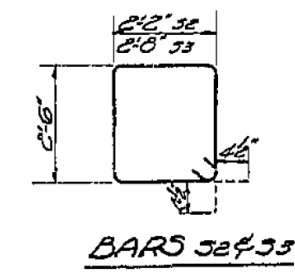
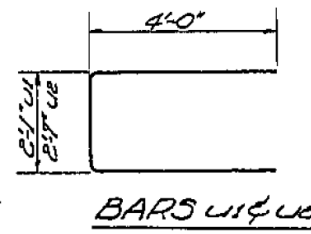
10 PIERS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
PE	60	#7	34'-8"	
JE	679	#4	10'-1"	□
SE	51	#4	11'-1"	□
UE	75	#6	10'-1"	□
LE	8	#6	10'-7"	□
Class X Concrete			Cu. Yds.	93.5
Reinforcement Bars			Lbs.	7580
Metal Shell Piles - 12"			Lin. Ft.	3519
Test Piles (Metal Shell)			Ca	4
Metal Shell Piles - 14"			Lin. Ft.	1012

Location	Elev. A'
Pier #1	492.59
Pier #3	492.75
Pier #5	493.05
Pier #7	493.14
Pier #9	493.16
Pier #11	493.02
Pier #12	492.88
Pier #13	492.80
Pier #14	492.56

PILE DATA
Type: Concrete

Location	Capac. (k)	Est. Length	No. Required
Pier #1	55 tons	92'-0"	6 incl. 1 Test Pile
Pier #2	55 tons	92'-0"	6
Pier #3	35 tons	76'-0"	6 incl. 1 Test Pile
Pier #4	45 tons	76'-0"	6
Pier #5	45 tons	76'-0"	6
Pier #6	45 tons	76'-0"	6 incl. 1 Test Pile
Pier #11	45 tons	85'-0"	6
Pier #12	45 tons	85'-0"	6 incl. 1 Test Pile
Pier #13	45 tons	76'-0"	6
Pier #14	45 tons	76'-0"	6



PIERS 1 THRU 6 & 11 THRU 14
F.A.I. RT. 70 SEC. 26-3B-1(2)
FAYETTE COUNTY
STA. 544+27

DESIGNED: R.K. Taylor
CHECKED: P.H. Hopper
DRAWN: R.H.T. A. Corrozo
CHECKED: P.H.H.
EXAMINED: H.G. Baumman
PASSED: [Signature]
APPROVED: J.E. Olhoff

JUNE 6 1963



USER NAME = has
ESCA PROJECT NO. 1000.05
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DRAWN - HAS
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DATE - 08/13

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STATE OF ILLINOIS
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SCALE: SHEET NO. 13 OF 28 SHEETS STA. TO STA.

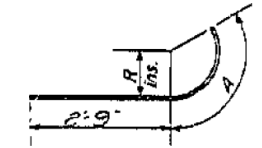
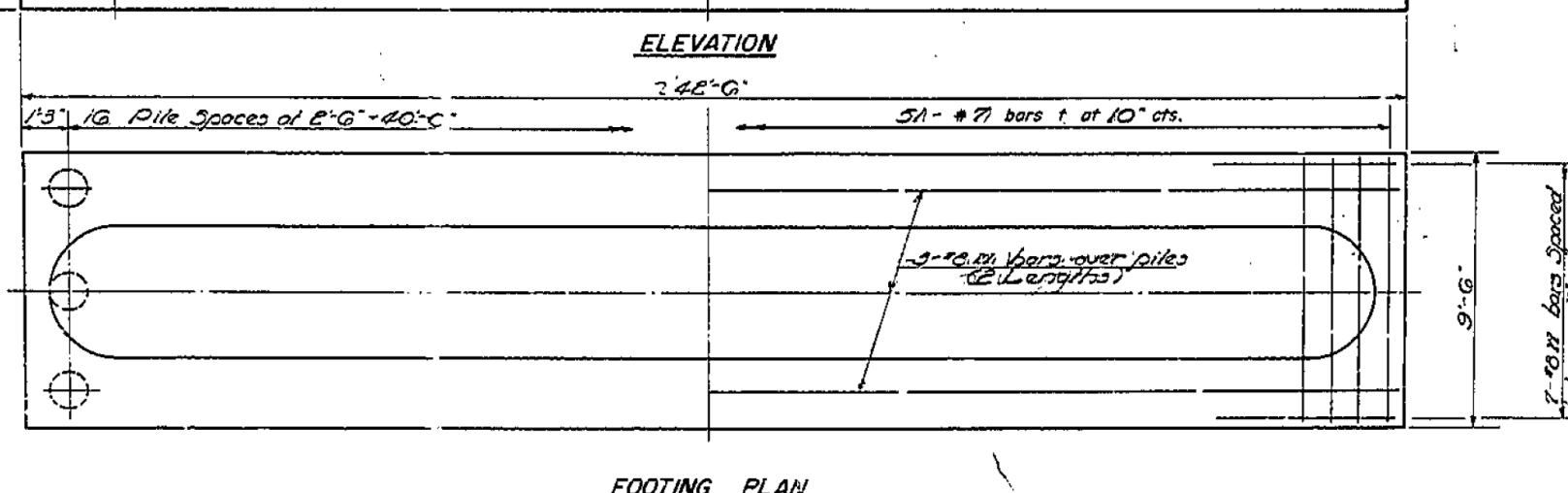
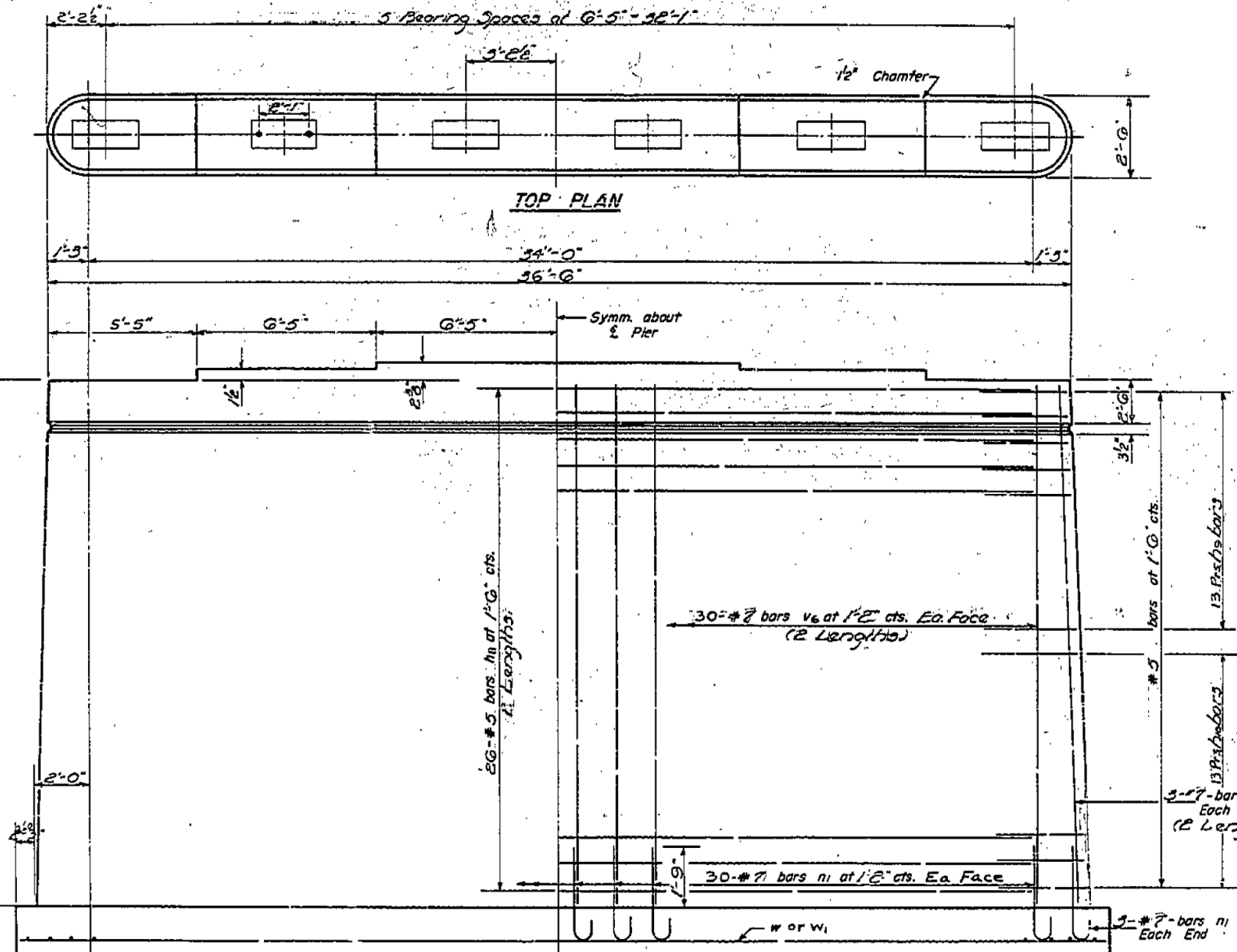
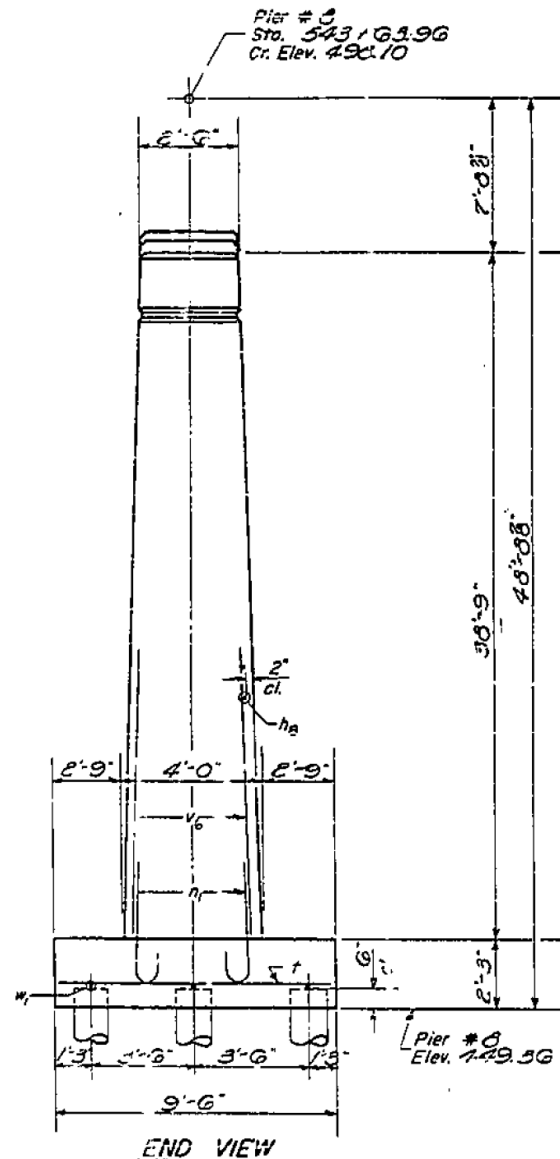
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	206
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	26-3B-1(2)	FAYETTE	36	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

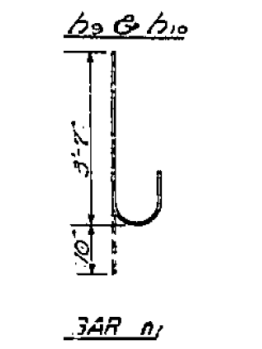
SHEET NO. 15
30 SHEETS

PILE DATA
Type *Timber*
Capacity *24 Tons*
Est. Length *29'-0"*
No. Req'd. *531 (Incl. 1 Test Pile)*



DETAIL OF BARS

Bar	R	A
h ₂	1'-5"	2'-6"
h ₁₀	1'-7"	3'-1"



BILL OF MATERIAL

Bar	Nbr	Size	Length	Shape
h ₂	102	#5	7'-6"	—
h ₉	52	#5	5'-3"	—
h ₁₀	52	#5	5'-10"	—
n ₁	66	#7	4'-5"	C
t	51	#7	9'-0"	—
v ₆	132	#7	20'-0"	—
n ₇	14	#8	6'-0"	—
w ₁	6	#8	22'-0"	—
Class A Concrete		Cu. Yds.	203.8	
Reinforcement Bars		Lbs.	10070	
Timber Piles		Lin. Ft.	1450	
Test Piles (Timber)		Each	1	

PIER #8
F.A.I. RT. 70-SEC. 26-3B-1(2)
FAYETTE COUNTY
STA. 544+27

DESIGNED *R. X. Taylor*
CHECKED *P. H. Johnson*
EXAMINED *H. E. Bauman*
PASSED *[Signature]*
APPROVED *[Signature]*

JUNE 6 1963

P-1 Re-drawn 7-21-59 Rev. 11-25-59



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

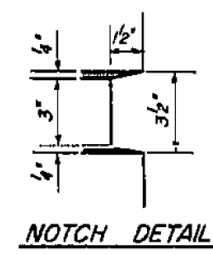
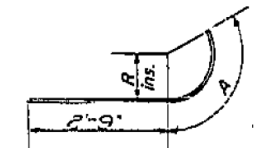
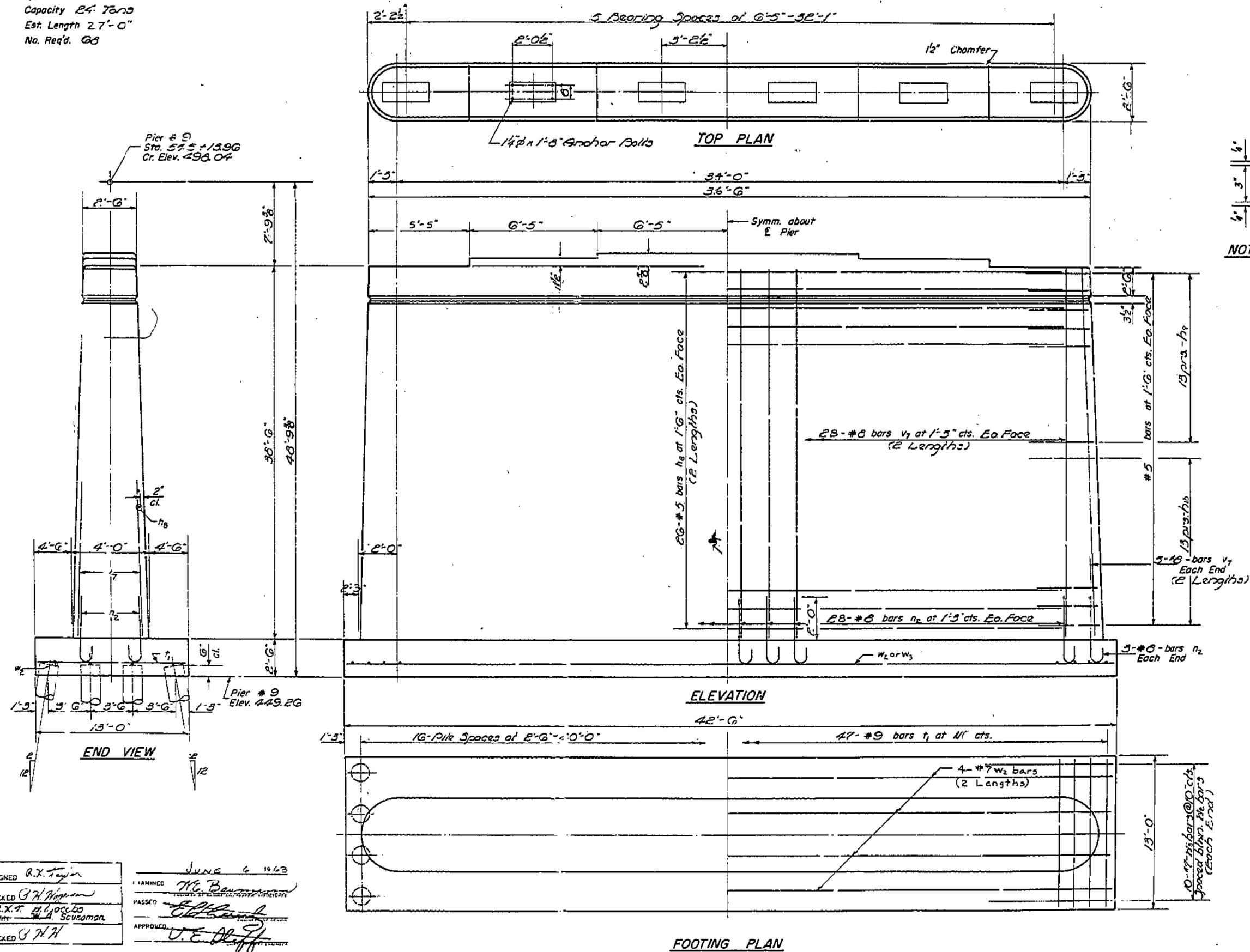
SCALE: SHEET NO. 14 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	207
CONTRACT NO. 74175			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

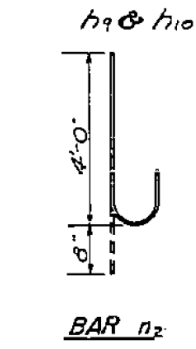
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	MIT	TOTAL SHEETS	SHEET NO.	SHEET NO. 16
70	26-3B-1(12)	FAYETTE	36	20	30 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT		

PILE DATA
Type *Timber*
Capacity *24 Tons*
Est. Length *27'-0"*
No. Req'd. *68*



Bar	R	A
h9	1'-3"	2'-6"
h10	1'-7"	5'-1"



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h8	10	#5	17'-6"	—
h9	5	#5	3'-3"	—
h10	5	#5	5'-10"	—
n2	62	#8	4'-11"	C
t1	47	#9	12'-8"	—
v1	124	#8	20'-0"	—
w2	8	#7	22'-0"	—
w3	20	#7	6'-0"	—
Class A Concrete		Cu. Yds.	220	
Reinforcement Bars		Lbs.	12560	
Timber Piles		Lin. Ft.	1836	

DESIGNED *R.X. Taylor*
CHECKED *G.H. Hagan*
DRAWN *M.A. Scuzman*
APPROVED *J.E. Bluff*
JUNE 6 1963
Pier # 9
Elev. 449.26

PIER #9
F.A.I.R.T. 70-SEC. 26-3B-1(12)
FAYETTE COUNTY
STA. 544+27

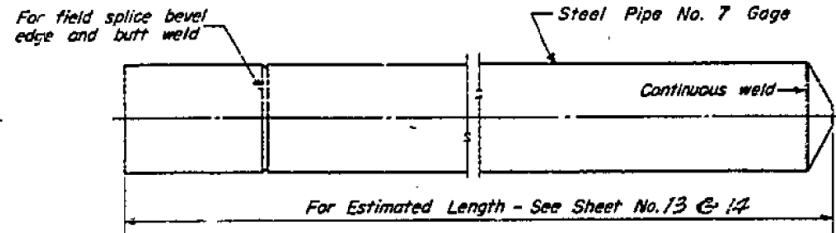


USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

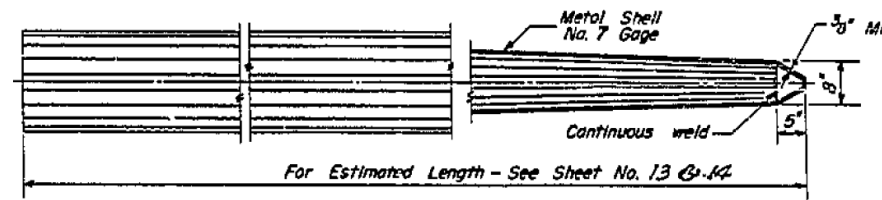
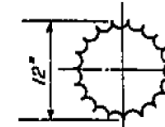
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY
SCALE: SHEET NO. 15 OF 28 SHEETS STA. TO STA.

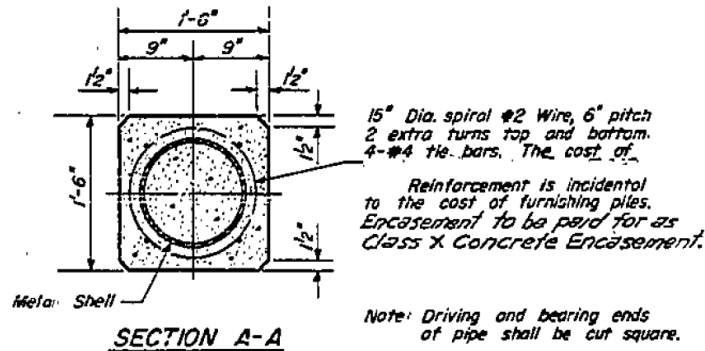
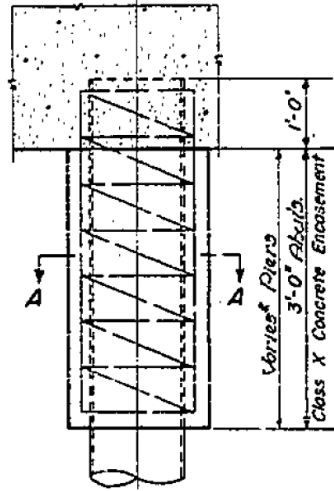
F.A.I.R.T.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	208
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 74175		



OPTIONAL FLAT END

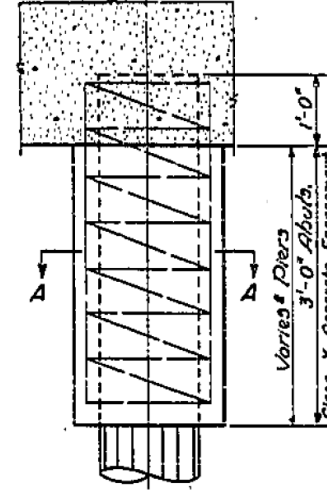


SPLICE TO BE USED AS REQUIRED



*Encasement extends to 4'-0" below ground line.

DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES

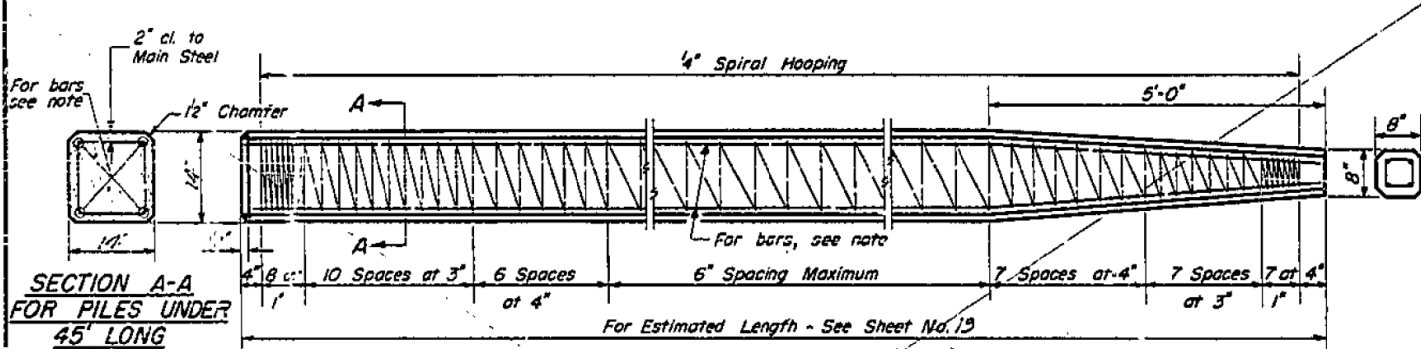


*Encasement extends to 4'-0" below ground line.

DETAIL OF TAPERED METAL SHELL FOR CAST IN PLACE CONCRETE PILES

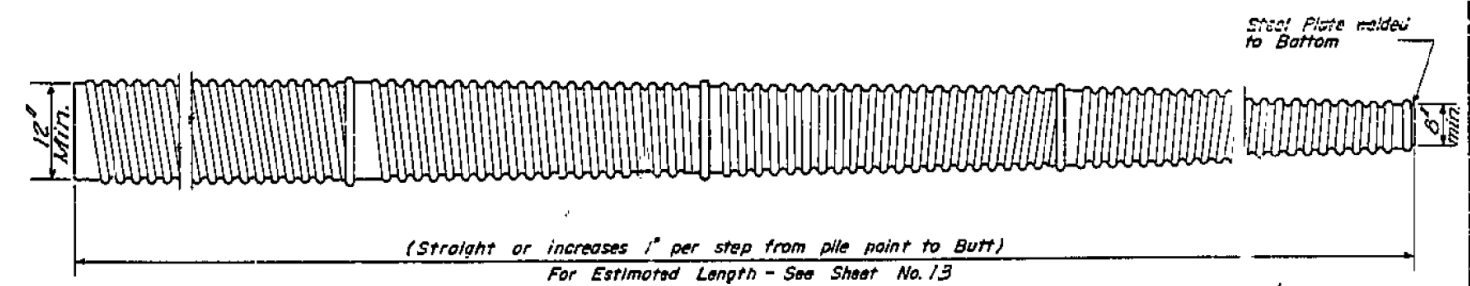
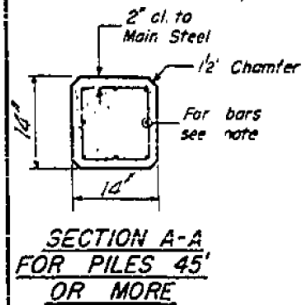
ALLOWABLE TAPERS

- 1-Taper 1/2'-6" for 10' + 12" Cylindrical Section Extension
- 2-Taper 1/4'-0" for 17' + 12" Cylindrical Section Extension
- 3-Taper 1/7'-0" for 30' + 12" Cylindrical Section Extension

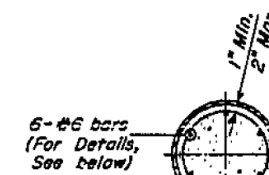
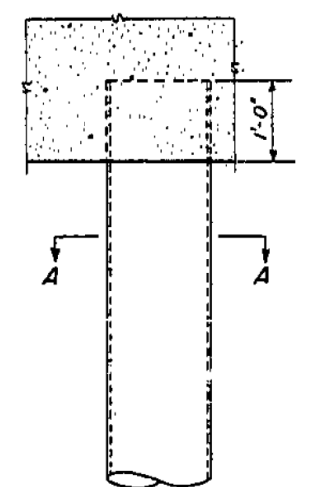


Note: For 14" Piles 45' long or more use 8-#8 bars 4 for the full length and 4 to the point of bevel.
For 12" Piles under 45' long use 4-#9 bars the full length.

Handling: For Pile lengths up to 45', use two slings placed at a distance of 0.21 L* from each end.
For Piles longer than 45', use three slings placed at a distance of 0.12 L* from each end and at mid-point of pile.
*L = Over all length of pile to be handled.

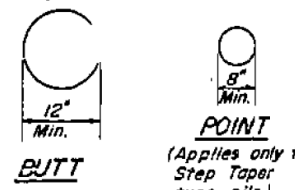


At least 1/4 of the length of pile shall have a Butt diameter equal to or greater than 12".
Gages are furnished to suit so conditions (14 Gage & n.)



Reinforcement is incidental to the cost of furnishing piles.

4" Spiral Hooping at 6" spacing or #4 Ties at 12" cts.



DETAIL OF MANDREL DRIVEN STRAIGHT OR STEP-TAPER PILES FOR CAST IN PLACE CONCRETE PILES

PIERS 3-6 11-14 & ABUTMENTS
PILE DETAILS
F.A.I.R.T.70 SEC.26-38-1(2)
FAYETTE COUNTY
STATION 544 + 87

DESIGNED	R. X. Taylor	EXAMINED	H. C. Bannerman
CHECKED	O. H. Hoge, Jr.	PASSED	E. J. Bennett
DRAWN	W. A. Sausamall	APPROVED	V. E. Bluff
CHECKED	V. H. H.		

JUNE 6 1963

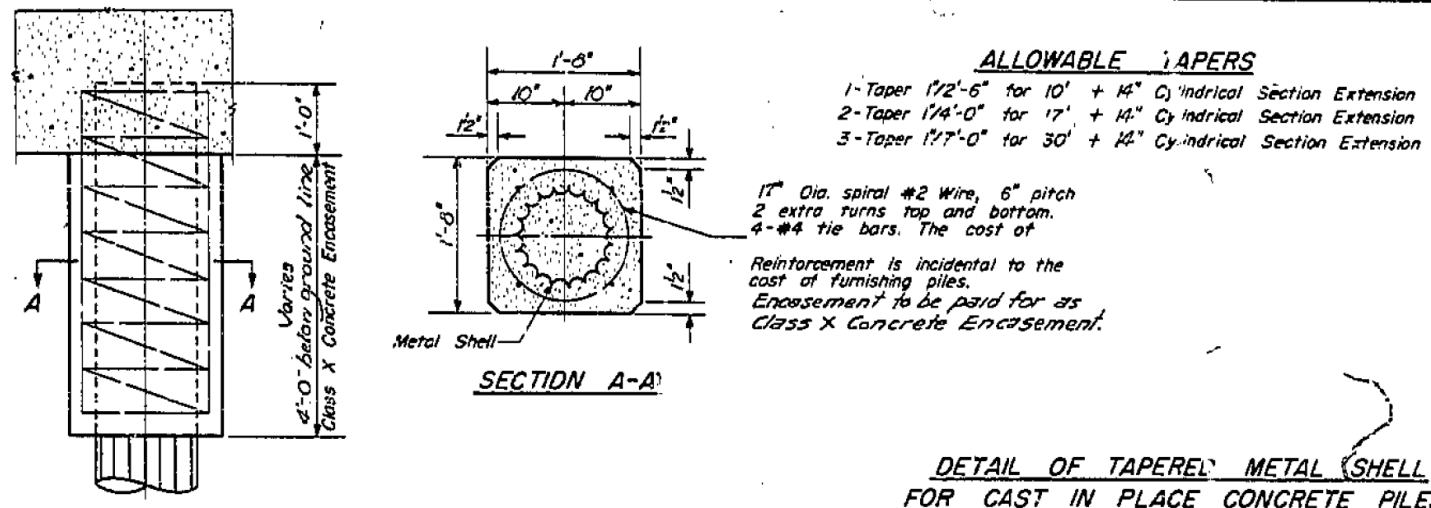
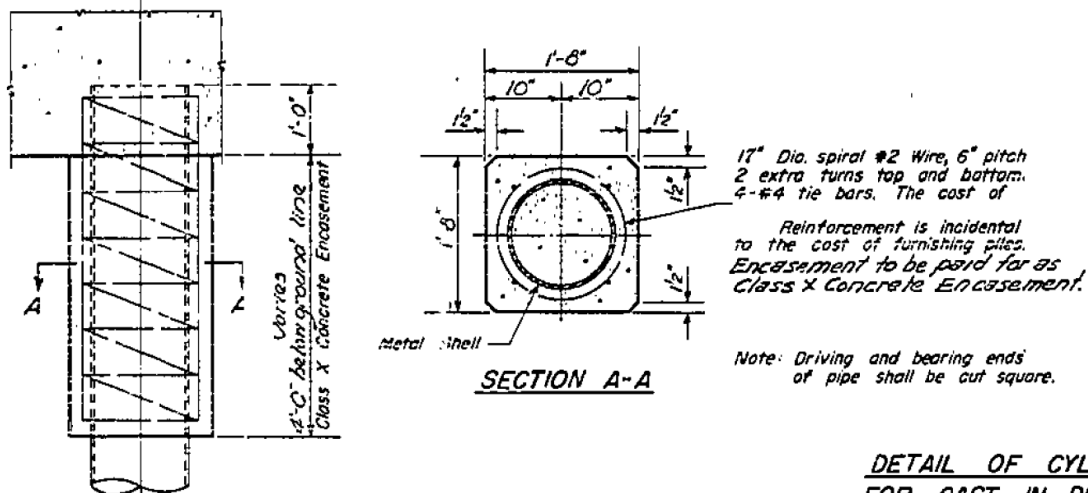
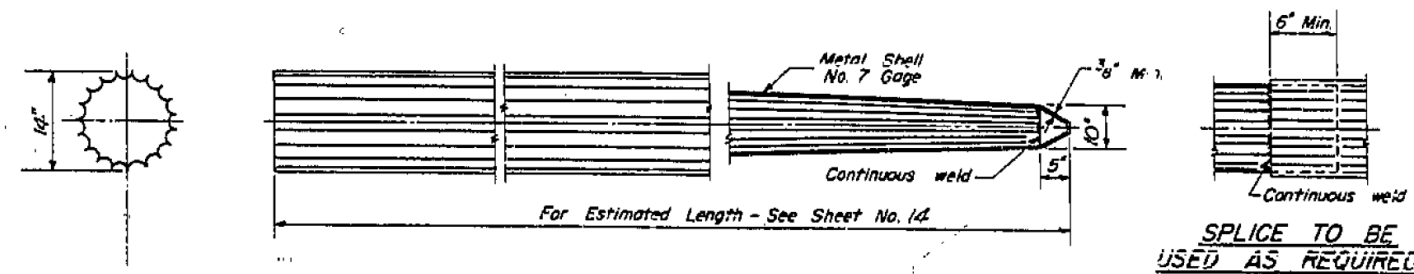
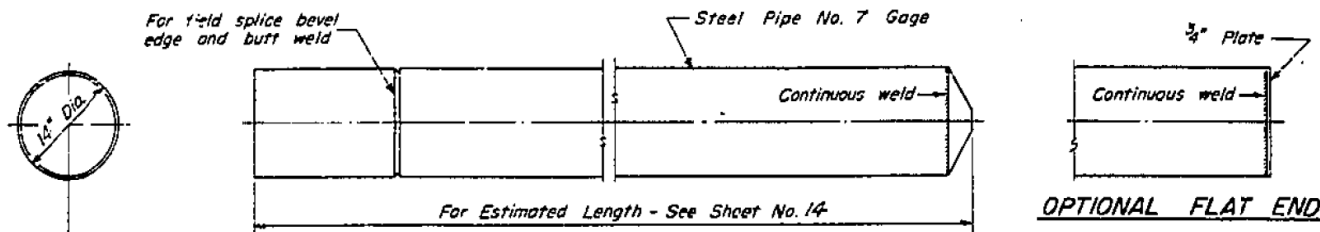
X-1 Rev. 5-12-61

DETAIL OF PRECAST CONCRETE PILES



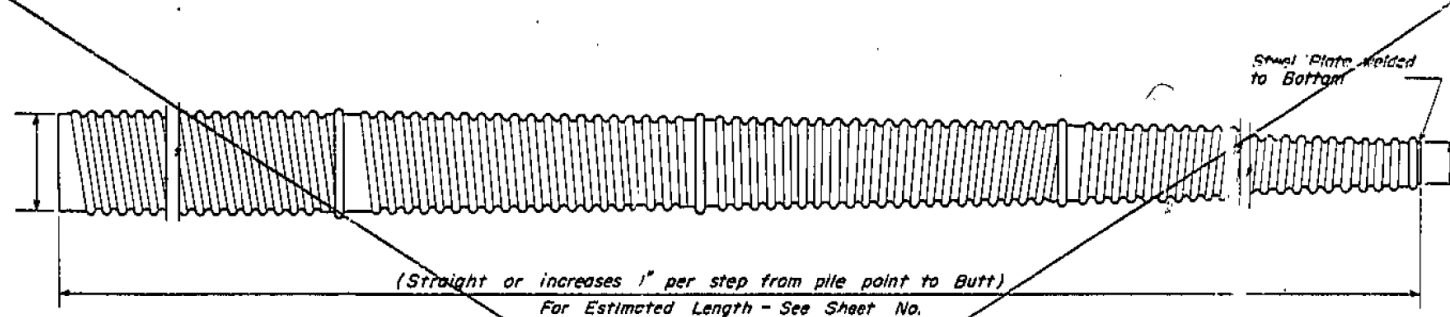
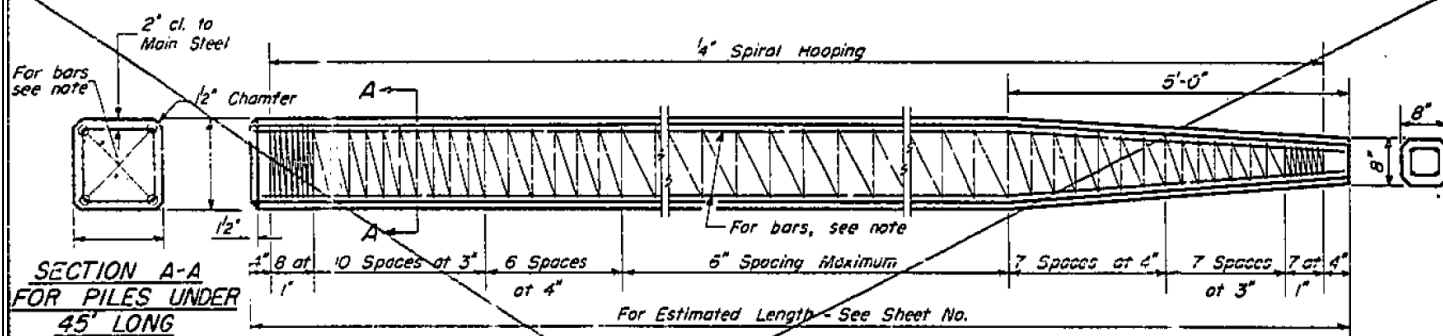
USER NAME	has	DESIGNED	ELH	REVISED	-
ESCA PROJECT NO.	1000.05	DRAWN	HAS	REVISED	-
PLOT SCALE	0.1667' / IN.	CHECKED	RDP	REVISED	-
PLOT DATE	1/29/2014	DATE	08/13	REVISED	-

PRINT DRIVER: LEO S. BARNETT
SCALE: 1/8" = 1'-0"
FILE NAME: C:\PLOT\2014\1000.05.DWG



DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES

DETAIL OF TAPERED METAL SHELL FOR CAST IN PLACE CONCRETE PILES



Note: For Piles 45' long or more use 8-#8 bars 4 for the full length and 4 to the point of bevel. For Piles under 45' long use 4-#9 bars the full length.

Handling: For Pile lengths up to 45', use two slings placed at a distance of 0.21 L* from each end. For Piles longer than 45', use three slings placed at a distance of 0.12 L* from each end and at mid-point of pile.

*L = Over all length of pile to be handled.

SECTION A-A FOR PILES 45' OR MORE

DETAIL OF MANDREL DRIVEN STRAIGHT OR STEP-TAPER PILES FOR CAST IN PLACE CONCRETE PILES

DESIGNED R.X. Taylor
CHECKED J.H. Higgins
DRAWN W.A. Souson-or.
APPROVED T.E. Hoff

JUNE 4 1963
EXAMINED W.E. Brumman
PASSED F. B. Paul
APPROVED T.E. Hoff

PIERS 1 & 2
PILE DETAILS
F.A.I.R.T. 70 SEC. 26-3B-1(2)
FAYETTE COUNTY
STA. 544 + 27

DETAIL OF PRECAST CONCRETE PILES



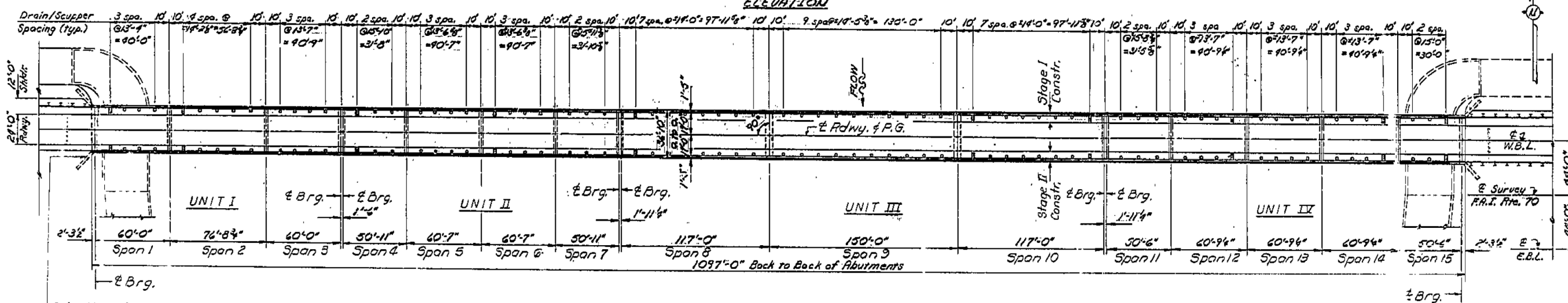
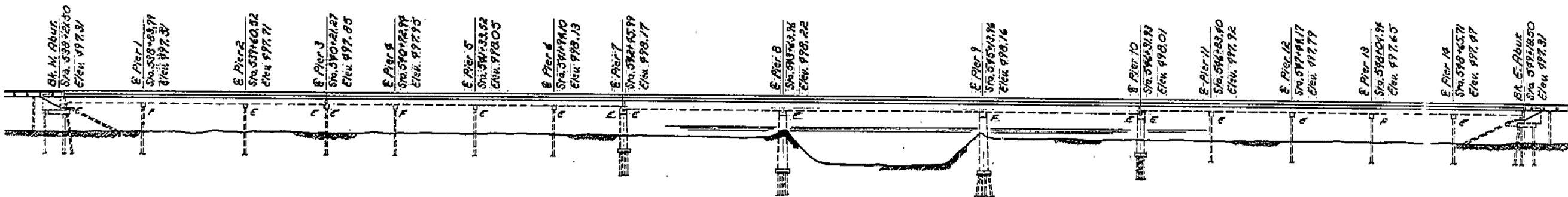
USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

Bench Mark: None

Existing Structure: Structure No. 026-0018 was built in 1964 and in 1976 the structure had waterproofing membrane installed, bituminous overlay placed and expansion joints reconstructed with same partial depth patching. The structure consists of a 15-span cast in place concrete deck on steel beams and girders supported by 10 pile bent piers, 4 solid piers and pile bent abutments. The structure has a horizontal clearance of 30 feet measured face to face of safety walk and back to back length of 1097 feet. Traffic to be maintained utilizing stage construction. No salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

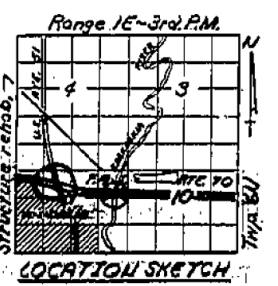
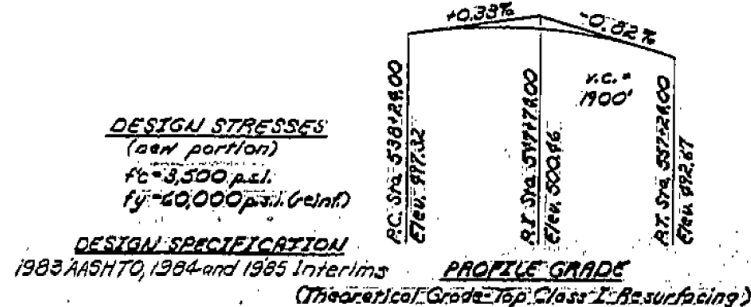
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	21	5
15 SHEETS				



Exist. Name Plate to be cleaned and relocated Cost incidental.

Note: See sheet #2 for General Notes and Total Bill of Material.

DESIGNED: David Bunker
 CHECKED: Louis A. Hark
 DRAWN: F.M. MC
 CHECKED: D.B. L.K.
 EXAMINED: Craig J. Kappas
 PASSED: James J. Kappas
 APPROVED: [Signature]



GENERAL PLAN
 F.A.I. ROUTE TO OVER MASHASHIA RIVER (W.B.)
 F.A.I. ROUTE 70 - SEC. 26-3B-1(2)I
 FAYETTE COUNTY
 STATION 546+27.00
 STRUCTURE NUMBER 026-0018

Rev. 4/29/87 F.M.

PRINT DRIVER: LEO S. BARNETT
 SCALE: 1" = 40'-0"
 FILE NAME: 026-0018-19.DWG



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:09:39 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

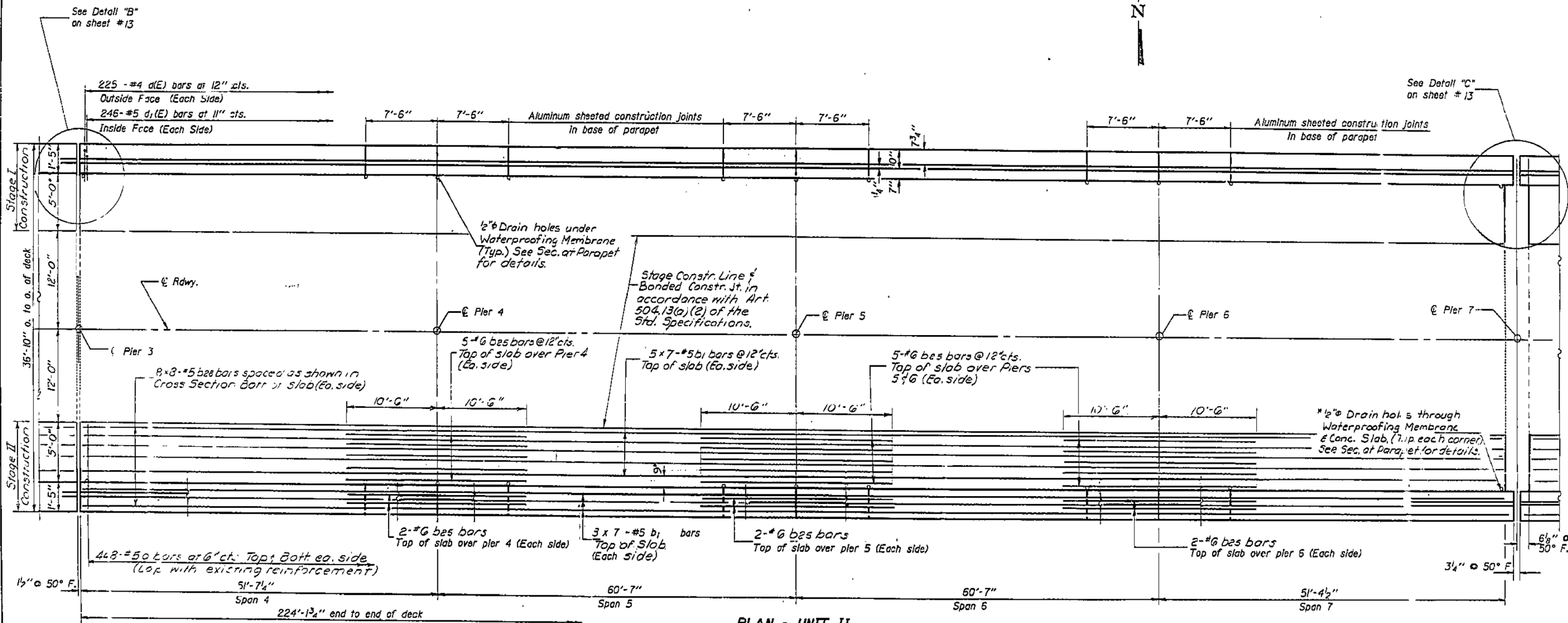
SCALE: SHEET NO. 19 OF 28 SHEETS STA. TO STA.

F.A.I. RTE. 70	SECTION (26-3B-1, 3B-1(3))BR	COUNTY FAYETTE	TOTAL SHEETS 277	SHEET NO. 212
CONTRACT NO. 74175			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

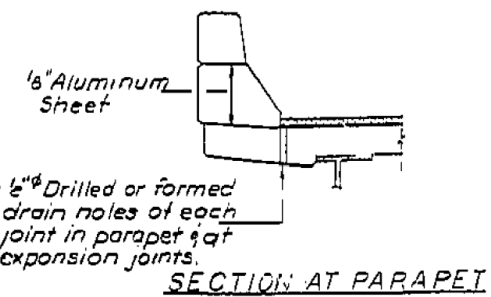
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1)	FAYETTE	31	10

SHEET NO. 6
15 SHEETS



Notes:
See sheet #10 for superstructure details and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 3-#5 etc. Indicates 20 lines of bars with 3 lengths per line.
See sheet #9 for Parapet Elevation
Existing reinforcement extending into the new concrete shall be cleaned and incorporated into the new concrete, (2" min. embedment req'd).
See sheet #1 for Floor Drain and Drainage Scupper Spaces.

Cut bars as necessary to miss scuppers and floor drains.
* Place to clear 4x4x2.



DESIGNED: [Signature]
CHECKED: David Burtch
DRAWN: mercado
CHECKED: D.E. L.L.
APPROVED: [Signature]
DIRECTOR OF HIGHWAYS

MIN. BAR LAPS
#5. bars 2'-2"

SUPERSTRUCTURE - UNIT II
F.A.I. RTE. 70 SEC. 26-3B-1 (2)
FAYETTE COUNTY
STA. 544+27.00

PRINT DRIVER: LEO S. BARON
SCALE: 1/8" = 1'-0"
DATE: 1/29/2014



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:09:55 PM	DATE - 08/13	REVISED -

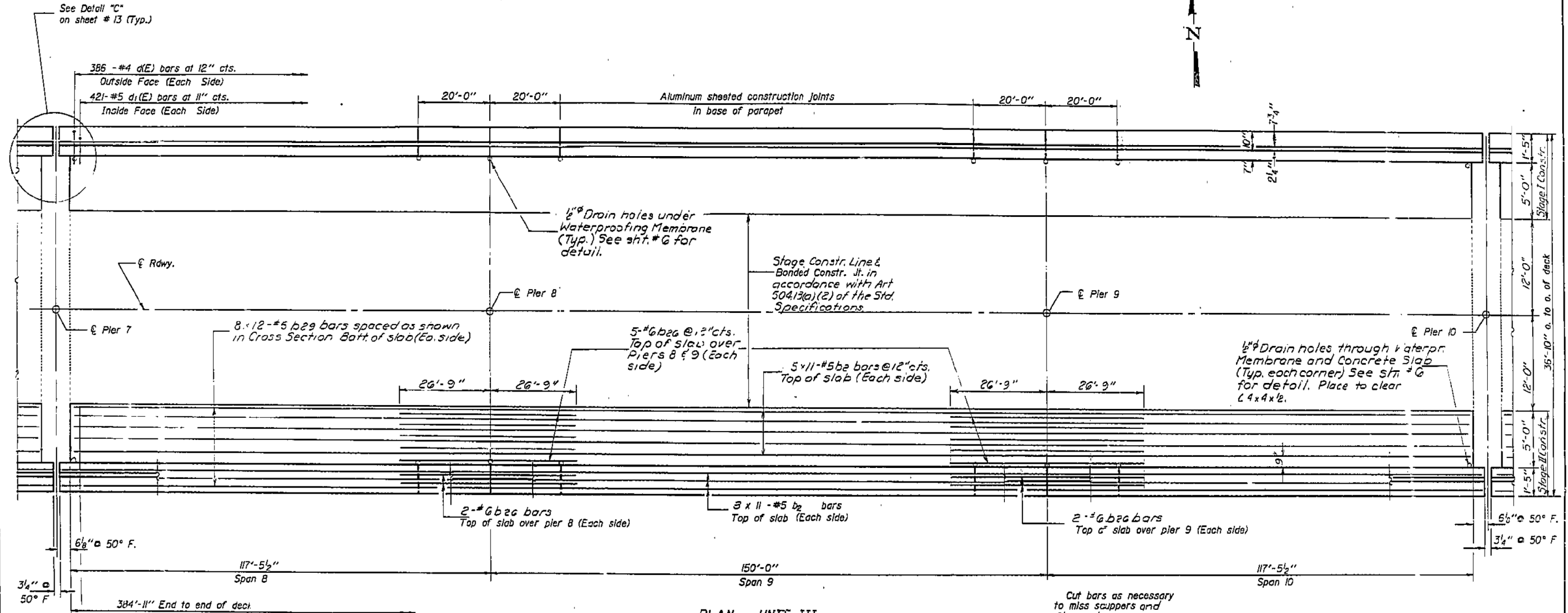
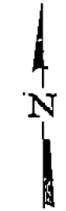
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS WB - FOR INFORMATION ONLY	SCALE:	SHEET NO. 21 OF 28 SHEETS	STA. TO STA.
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F.A.I. RTE. 70	SECTION (26-3B-1, 3B-1(3))BR	COUNTY FAYETTE	TOTAL SHEETS 277	SHEET NO. 214
CONTRACT NO. 74175			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	26-3B-1	SECTION	FAYETTE	SHEET NO.	7
SCALE	1/2" = 1'-0"	PROJECT	ILLINOIS	TOTAL SHEETS	15



PLAN - UNIT III

Notes:
See sheet #10 for superstructure details and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheet #9 for Parapet Elevation
Existing reinforcement extending into the new concrete shall be cleaned and incorporated into the new concrete. (2'-2" min. embedment required).
See sheet #1 for Floor Drain & Drainage Scupper spaces.
See sheet #5 for Cross Section.

MIN. BAR LAPS
#5 bars 2'-2"

DESIGNED	1986
CHECKED	1986
DRAWN	1986
CHECKED	1986

SUPERSTRUCTURE - UNIT III
F.A.I. RTE. 70 SEC. 26-3B-1 (2)I
FAYETTE COUNTY
STA. 544+27.00

PRINT DRIVER: LEO S. BARON... FILE NAME: D:\P25\10000222.dwg



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:10:02 PM	DATE - 08/13	REVISED -

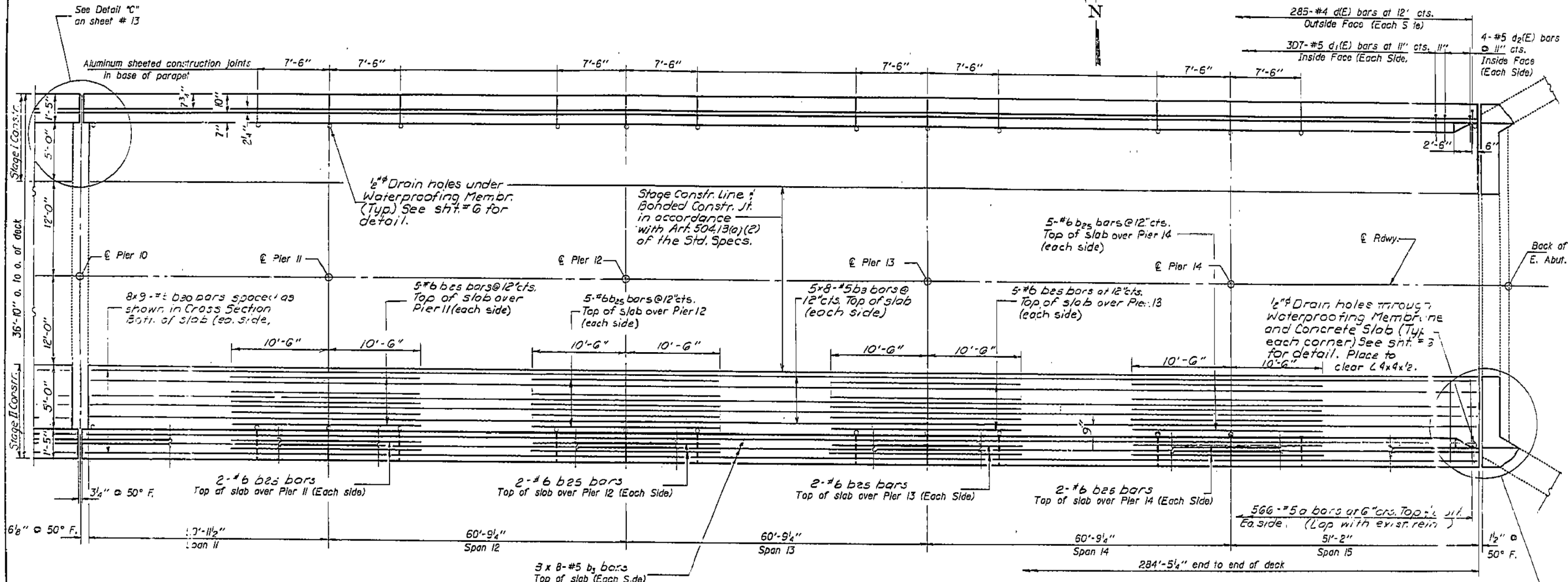
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS	
WB - FOR INFORMATION ONLY	
SCALE:	SHEET NO. 22 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	215
CONTRACT NO. 74175			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	GHEET NO. 8
F.A.I. 70	(26-3B-1)	FAYETTE	277	216	15 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

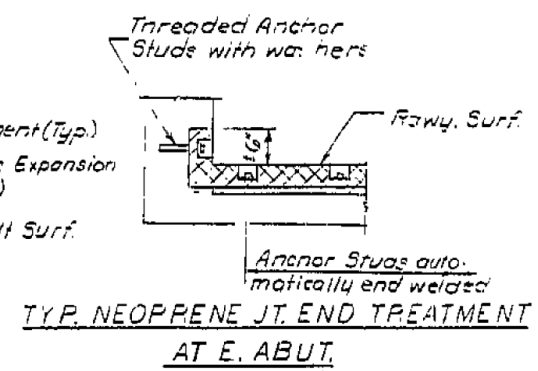
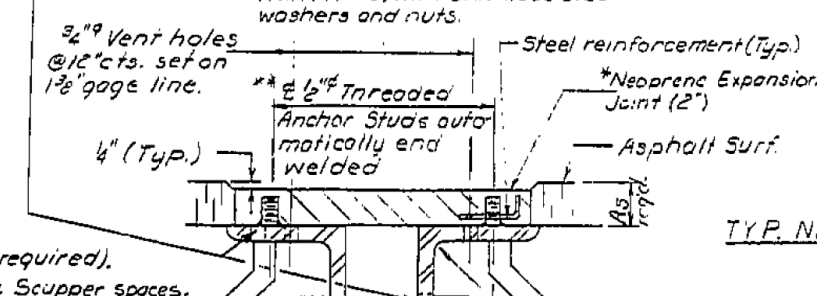
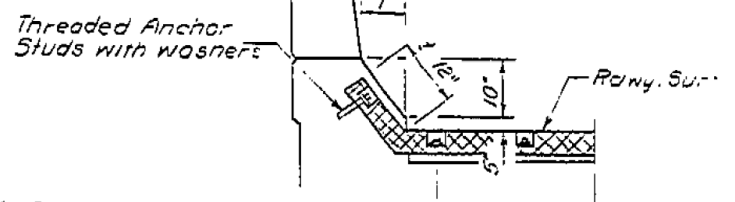


PLAN - UNIT IV

* Extend Neoprene Expansion Jt. into base of parapet from last manufactured lap in Jt. Use FEIT SPAN MODEL T30-1 1/2-S (Fel-Pro Building Products, Inc.) or a Neoprene Exp. Jt. of equivalent size and dimensions

Notes:
1/16" Holes @ 12" cts. for 3/8" bolts set on 2 1/2" gage line. All bolts shall be burned, sawed or clipped off flush with back of angles after forms are removed.
See sheet #10 for superstructure details and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheet # 9 for Parapet Elevation
Existing reinforcement extending into the new concrete shall be cleaned and incorporated into the new concrete. (2'-2" min. embedment required).
See sheet # 1 for Floor Drain and Drainage Scupper spaces.
See sheet # 5 for Cross Section.

Cut bars as necessary to miss scuppers and floor drains.
** Stainless Steel granular or solid flux filled threaded studs conforming to ASTM A-193 with stainless steel washers and nuts.



DESIGNED	ELH
CHECKED	David Burt
DRAWN	mercado
CHECKED	DE

EXAMINED	James J. Hyslop
PASSED	James J. Hyslop
APPROVED	James J. Hyslop

TYP. NEOPRENE JT. END TREATMENT AT PIER 3

MIN. BAR LAPS
#5 bars 2'-2"



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

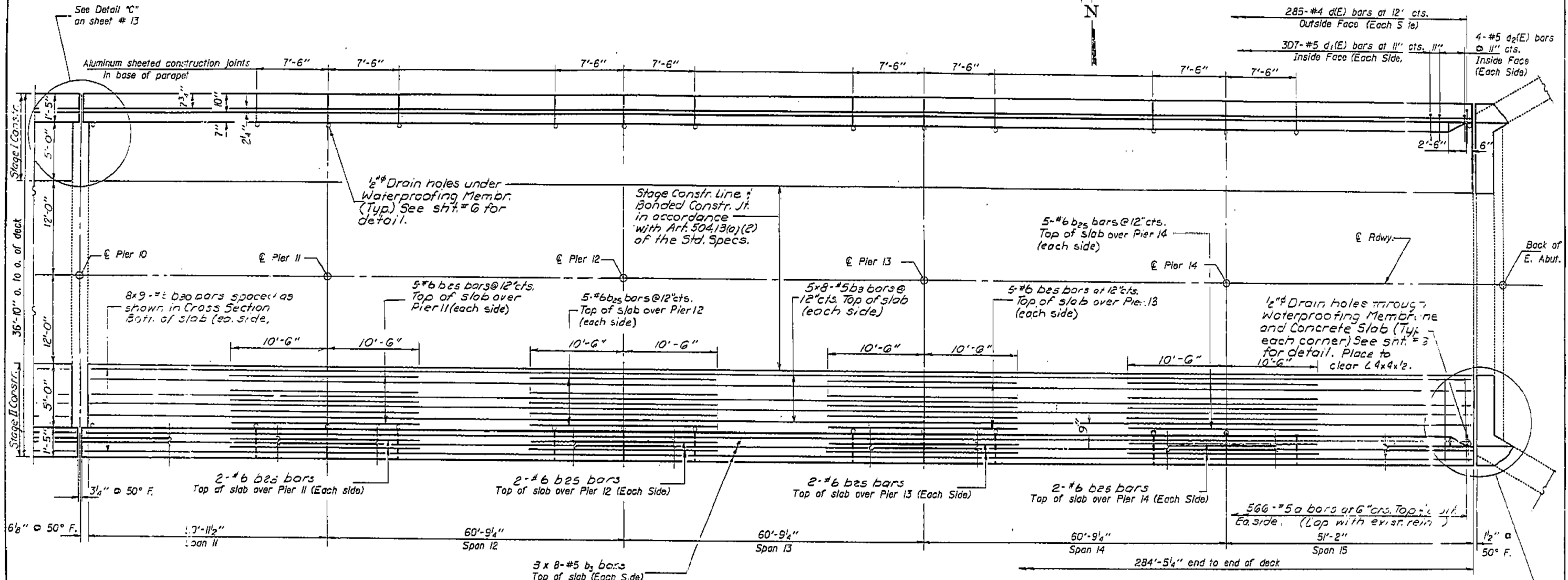
STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

SCALE: SHEET NO. 23 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	216
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	GHEET NO. 8
F.A.I. 70	(26-3B-1)	FAYETTE	277	12	15 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

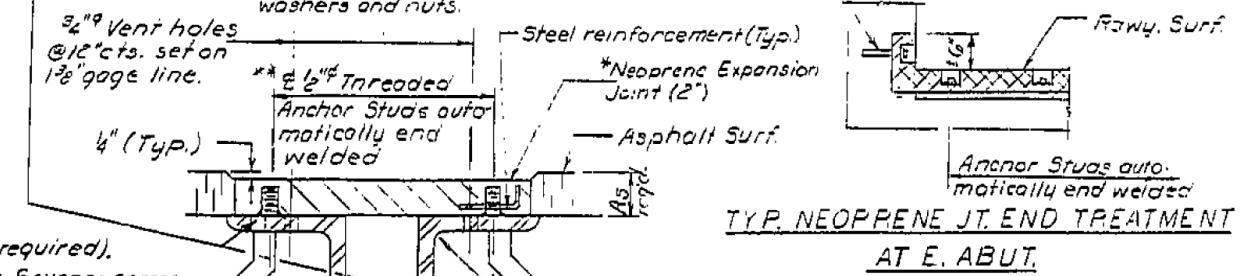
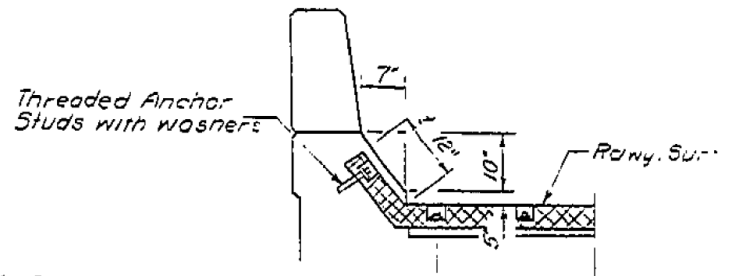


PLAN - UNIT IV

* Extend Neoprene Expansion Jt. into base of parapet from last manufactured lap in Jt. Use FEIT SPAN MODEL T30-1 1/2-S (Fel-Pro Building Products, Inc.) or a Neoprene Exp. Jt. of equivalent size and dimensions

Notes:
See sheet #10 for superstructure details and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheet # 9 for Parapet Elevation
Existing reinforcement extending into the new concrete shall be cleaned and incorporated into the new concrete. (2'-2" min. embedment required).
See sheet # 1 for Floor Drain and Drainage Scupper spaces.
See sheet # 5 for Cross Section.

Cut bars as necessary to miss scuppers and floor drains.
** Stainless Steel granular or solid flux filled threaded studs (conforming to ASTM A-193) with stainless steel washers and nuts.



MIN. BAR LAPS
#5 bars 2'-2"

DESIGNED	ELH
CHECKED	David Burt
DRAWN	mercado
CHECKED	DE

EXAMINED	James J. Hyslop
PASSED	James J. Hyslop
APPROVED	James J. Hyslop

TYP. NEOPRENE JT. END TREATMENT AT PIER 3

CROSS SECTION THRU NEOPRENE JOINT AT PIER 3 AND E. ABUT.

SUPERSTRUCTURE - UNIT IV
F.A.I. RTE. 70 SEC. 26-3B-1 (2) I
FAYETTE COUNTY
STA. 544+27.00

PRINT DRIVER: LEO S. BARON; SCALE: 1/8" = 1'-0"; DATE: 08/13/2014



USER NAME	has	DESIGNED	ELH	REVISED	
ESCA PROJECT NO.	1000.05	DRAWN	HAS	REVISED	
PLOT SCALE	0.1667 / IN.	CHECKED	RDP	REVISED	
PLOT DATE	1/29/2014	DATE	08/13	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

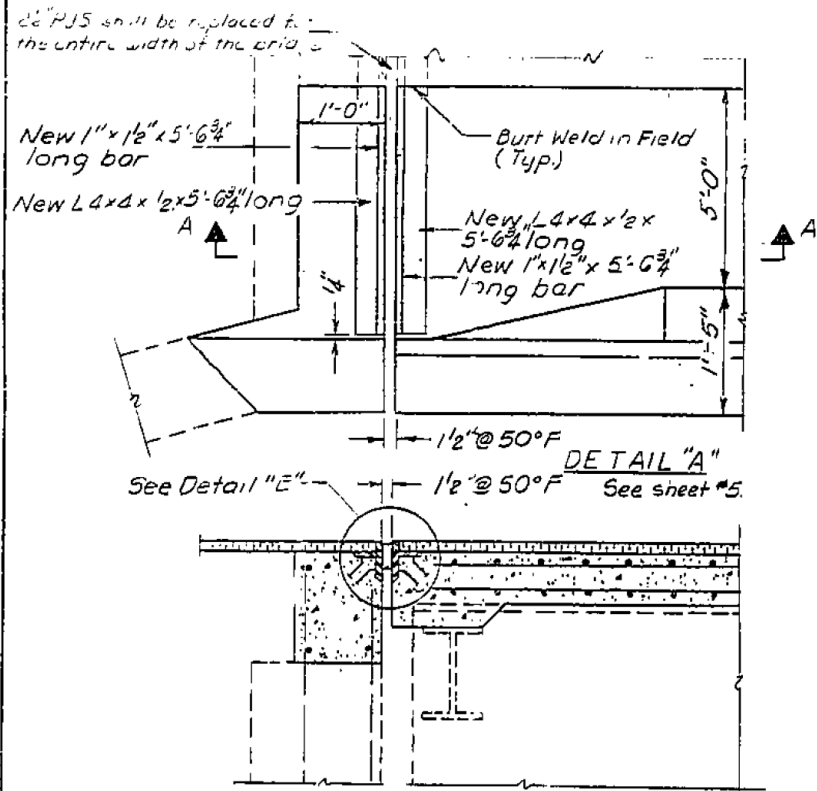
STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

SCALE: SHEET NO. 24 OF 28 SHEETS STA. TO STA.

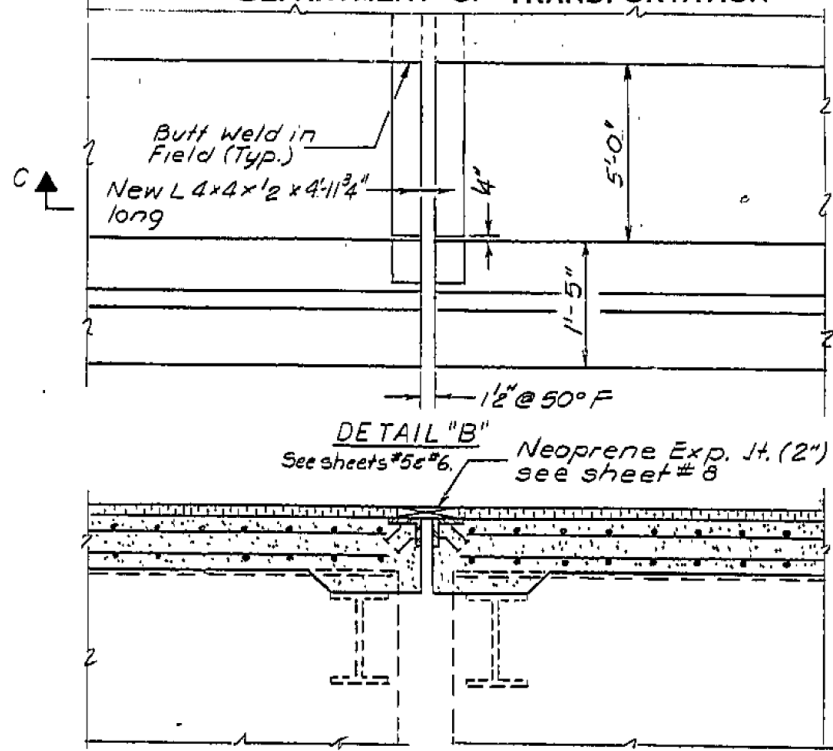
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	217
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 74175	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

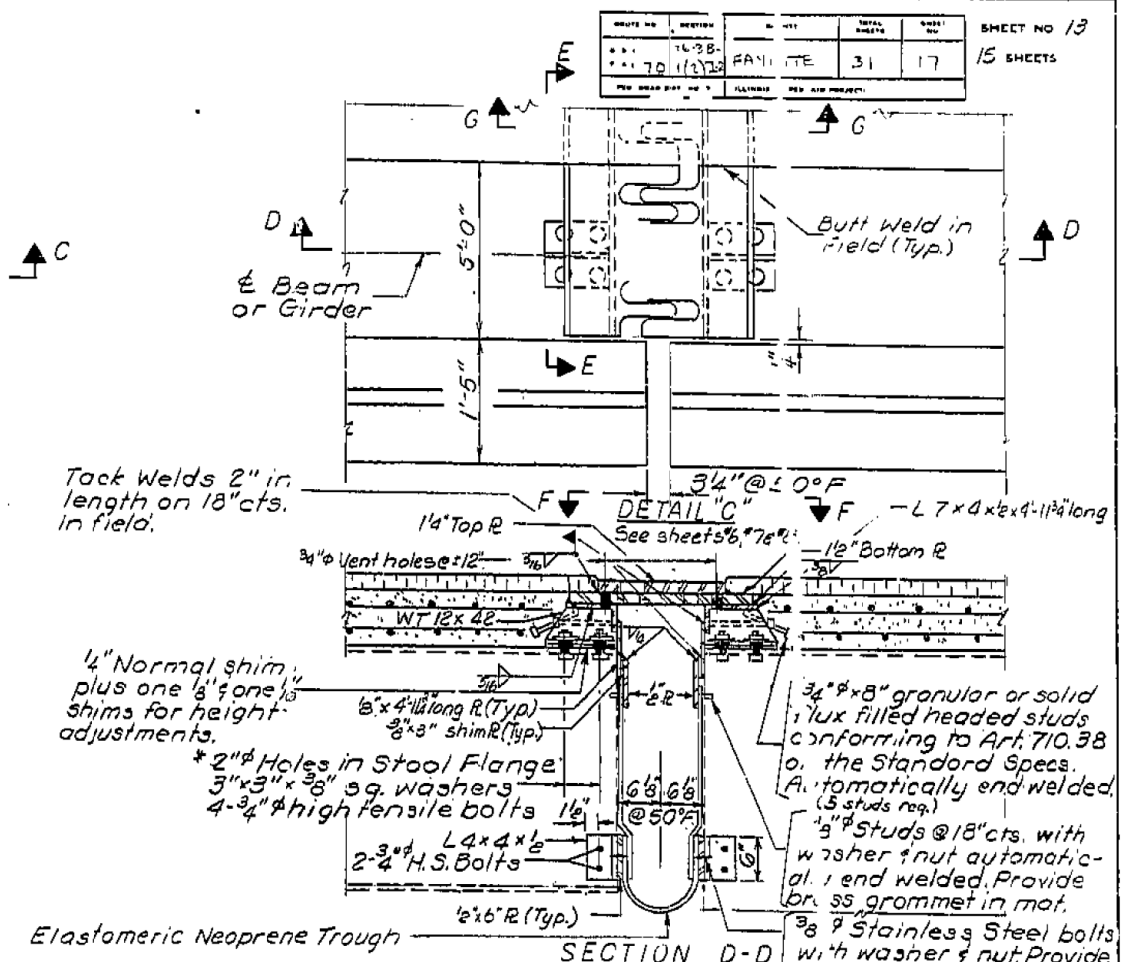
DATE	SECTION	NO.	TOTAL SHEETS	SHEET NO.
7/2/86	26-3B-1	31	17	13
SHEET NO. 13 15 SHEETS				



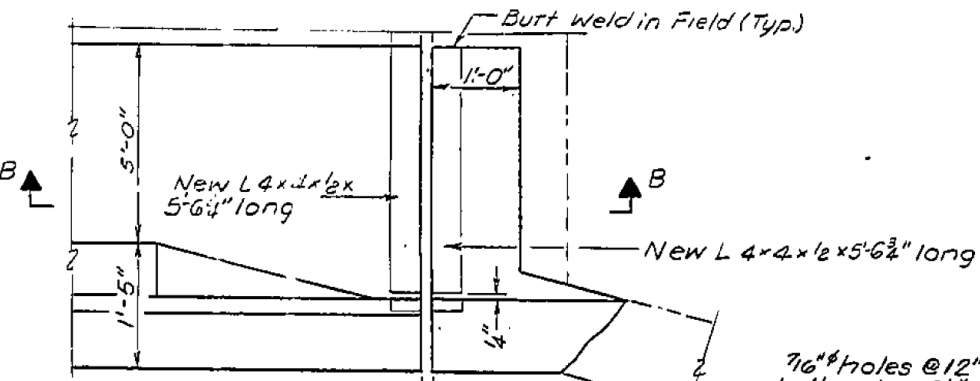
SECTION A-A



SECTION C-C



SECTION D-D

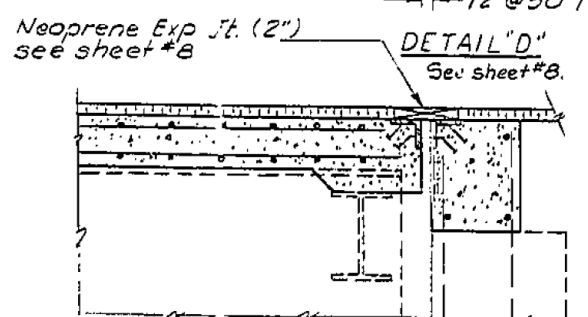


SECTION B-B

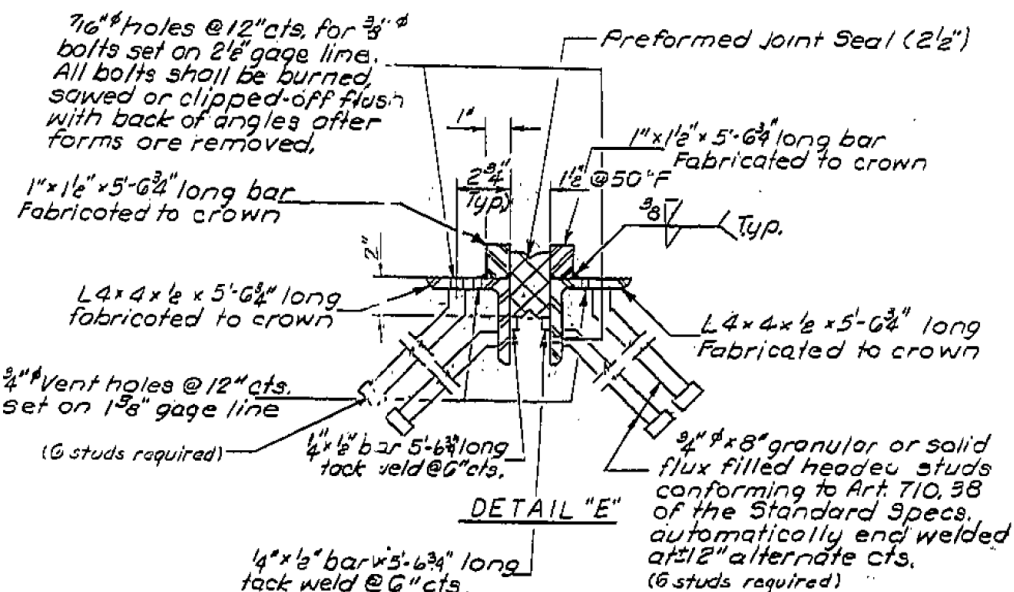
Note:
Clean existing reinforcement bars and incorporate into new concrete.

Elastomeric Neoprene Trough
Shop drill holes in WT 12 x 42 in the shims. Field drill holes in existing girders.

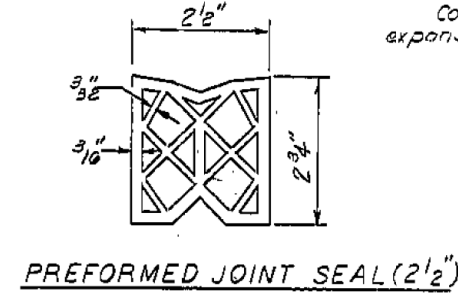
Note:
Cost of field drilling holes in existing structural steel is incidental to the payment for Structural Steel.
Cost of cutting and removing part of the existing expansion devices is incidental to concrete removal.



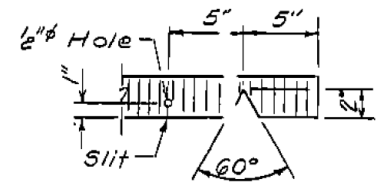
DETAIL D



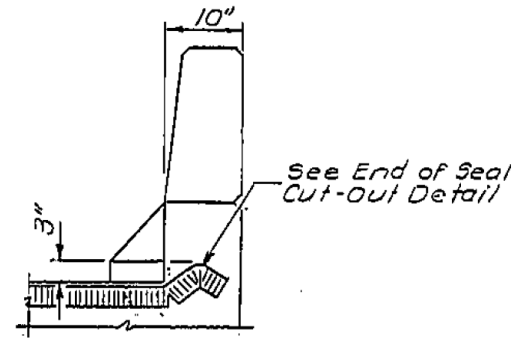
DETAIL E



PREFORMED JOINT SEAL (2 1/2")



SEAL CUT-OUT



TYPICAL END OF SEAL TREATMENT

DESIGNED David Burdick	APRIL 2 1986
CHECKED [Signature]	EXAMINED [Signature]
DRAWN mercado	PASSED [Signature]
CHECKED D.B. L.K.	APPROVED [Signature]

EXPANSION JOINT DETAILS
FAYETTE COUNTY
STA. 544+27.00
Rev. 7/2/86 F.M.
Rev. 4/20/87 F.M.



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

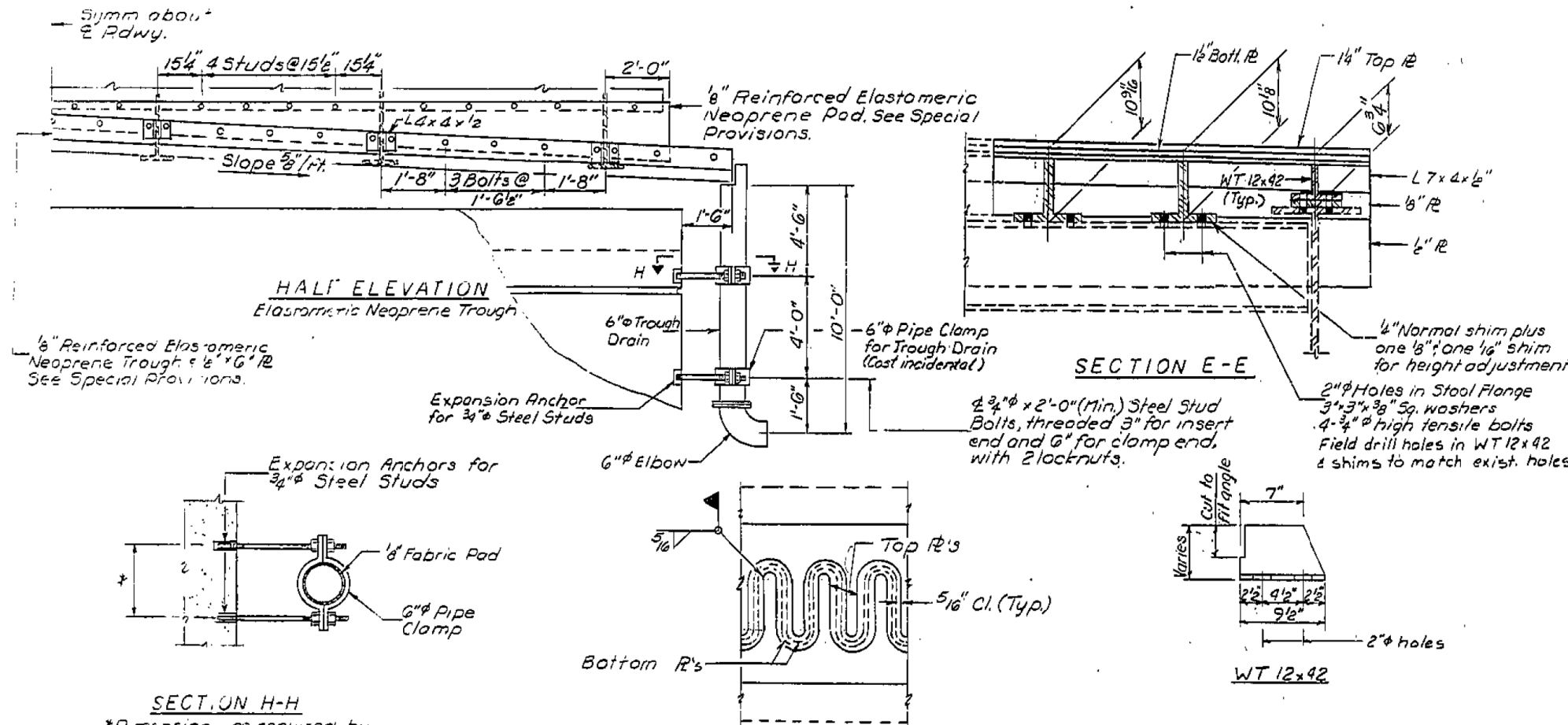
STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

SCALE: SHEET NO. 26 OF 28 SHEETS STA. TO STA.

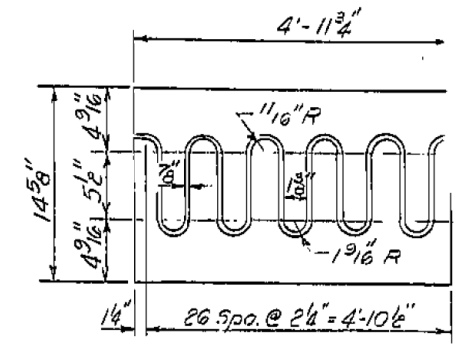
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	219
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

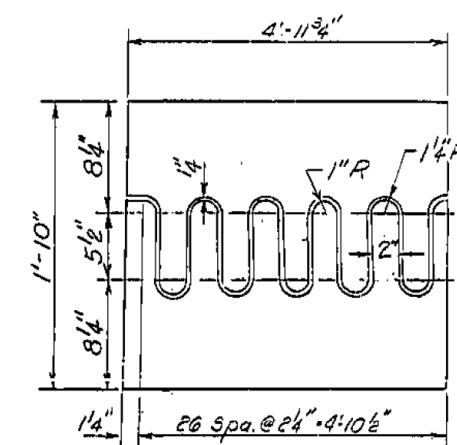
DATE	26-3B-1	NO. OF SHEETS	31	SHEET NO.	14
PROJECT	FAYETTE	TOTAL SHEETS	31	SHEET NO.	18
DESIGNED BY	ELH	DRAWN BY	HAS	CHECKED BY	RD



Cost of field drilling holes in existing structural steel and new structural steel is incidental to the part item of "Structural Steel."

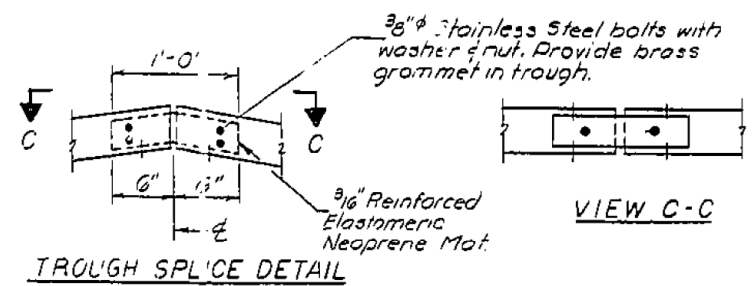


FLAME CUT TOP PLATE DETAIL

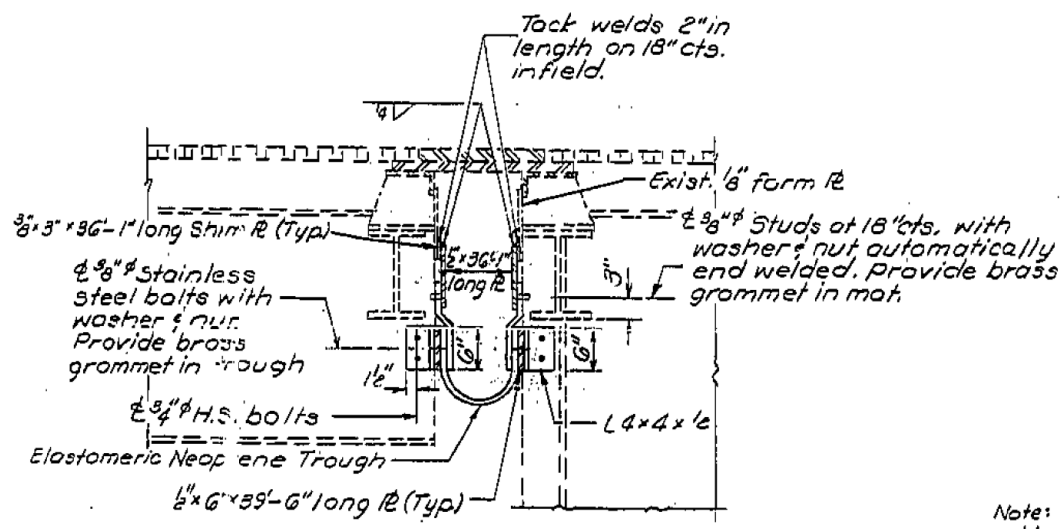


FLAME CUT BOTTOM PLATE DETAIL

Note:
Fiberglass pipe for trough drain shall conform to ASTM-D2996, with short time rupture stress with hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surface of the Trough Drains shall be painted with the final coat of paint system specified for Structural Steel.
Cost of the Trough Drains shall be incidental to Reinforced Neoprene Expansion Joint Treatment.
Drilling holes in existing Structural Steel is incidental.



TROUGH SPLICE DETAIL



SECTION G-G

Note:
Work this sheet with Detail C' on sheet #13.

FINGER PLATE DETAILS
F.A.I.R.T.E. 70 SEC. 26-3B-1(2)1
FAYETTE COUNTY
STA. 544+2.00
Rev. 7/2/86 F.M.

DESIGNED	David Budnick	EXAMINED	April 2 1986
CHECKED	James J. Lopez	PASSED	James J. Lopez
DRAWN	mercado	APPROVED	James J. Lopez
CHECKED	D.B. L.K.		



USER NAME	has	DESIGNED	ELH	REVISED	
ESCA PROJECT NO.	1000.05	DRAWN	HAS	REVISED	
PLOT SCALE	0.1667 / IN.	CHECKED	RD	REVISED	
PLOT DATE	1/29/2014	DATE	08/13	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

SCALE: SHEET NO. 27 OF 28 SHEETS STA. TO STA.

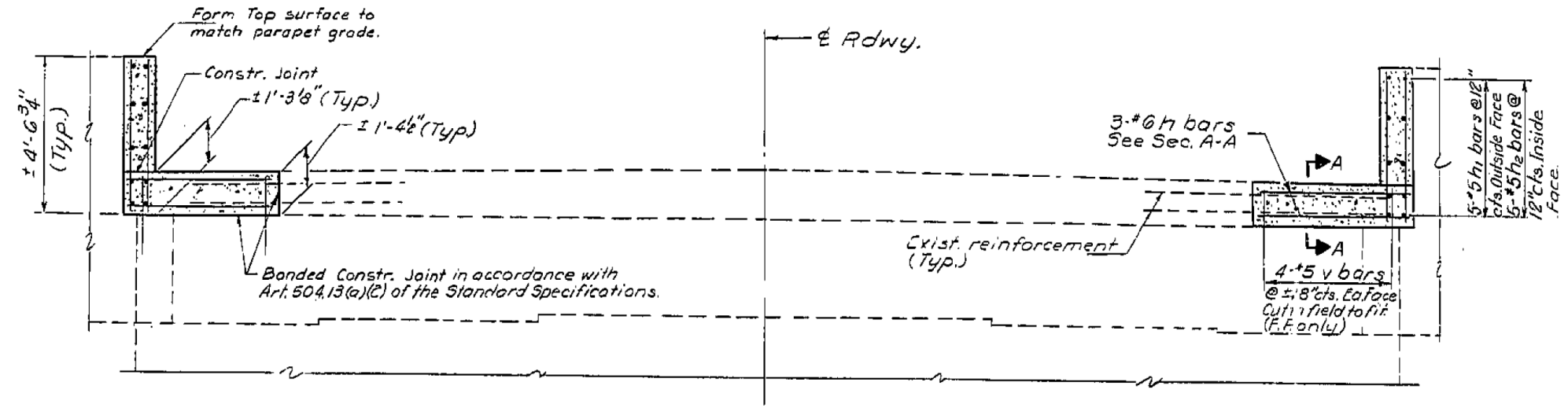
F.A.I.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	220
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

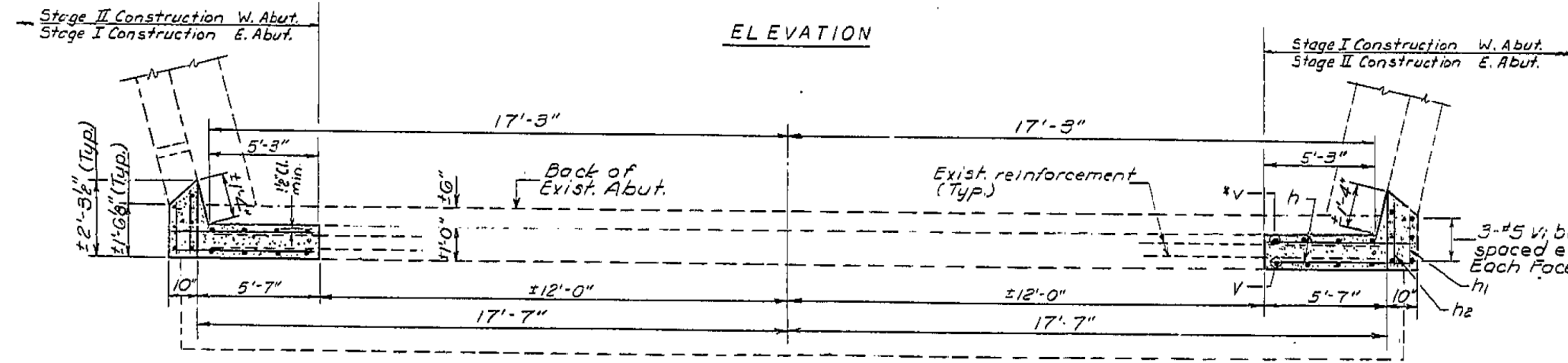
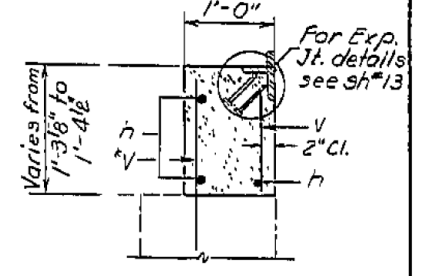
* Epoxy grout 1 bars in 7/8" x 9" min. drilled holes. See Special Provisions.

ROUTE NO.	SECTION	SHEET	TOTAL SHEETS	SHEET NO.
70	(1) 26	E	31	19

SHEET NO. 15
15 SHEETS



Notes:
Cost of Struct. Excav. and backfill behind the abutments is incidental to the concrete removal.
Abutment shall be reconstructed after superstructure and parapet are in place.
Existing reinforcement extending into new concrete shall be cleaned and incorporated into the new concrete, (2'-2" min. embedment required).
Hatched areas indicate concrete removal.

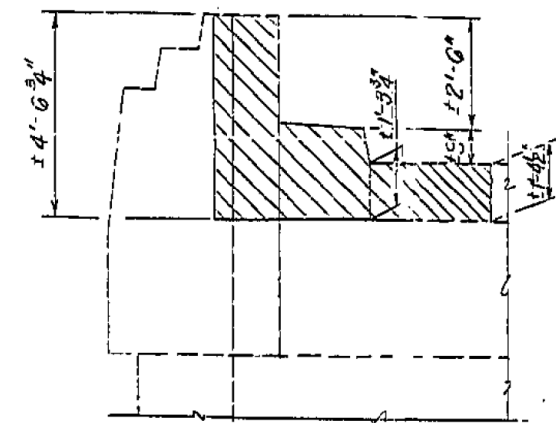


ELEVATION

PLAN

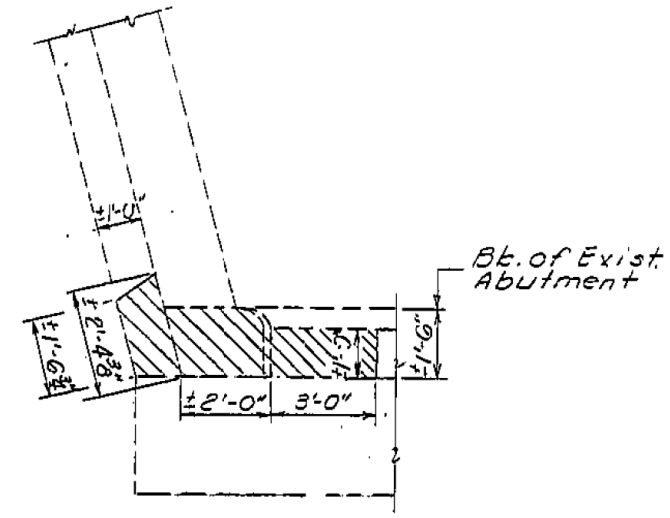
EAST & WEST ABUTMENTS
BILL OF MATERIAL

Bar No.	Size	Length	Shape
h	#6	6'-2"	—
h1	#5	1'-3"	—
h2	#5	2'-0"	—
v	#5	2'-0"	—
v1	#5	4'-3"	—
Reinforcement Bars POUND			350
Class X Concrete Cu. Yd.			22
Concrete Removal Cu. Yd.			3



ELEVATION

REMOVAL SKETCH



PLAN

ABUTMENTS
F.A.I. RTE. 70 SEC. 26-3B-1(2) I
FAYETTE COUNTY
STA. 544+2700

DESIGNED David Burdick
CHECKED L. A. Hill
DRAWN Mercado
CHECKED D.B. L.K.

EXAMINED April 2, 1987
DRAWN D. Kasber
APPROVED James J. Rouben
DIRECTOR OF HIGHWAYS

Rev. 4/21/87 F.M.

PRINT DRIVER: LEO S. BARON
SCALE: 1/4" = 1'-0"
DATE: 1/29/2014



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:10:51 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0018 EXISTING BRIDGE PLANS
WB - FOR INFORMATION ONLY

SCALE: SHEET NO. 28 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	221
CONTRACT NO. 74175				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

B.M. USC # 65 marker "A212 1960" N. end W. Abut.
(E.B.L.) of Kaskaskia River Bridge Lt. Sta. 538+24
Elev. 493.664.

Existing bridge built as F.A.Rte. 12, sec. W-2B,
Sta. 537+46 (1) in 1946, Superstructure - 16 spans on wide flange beams
and one truss span. Substructure - 14 pile bents, 2 R.C. solid Piers and pile bent Abutments
Contractor shall remove exist. E.B.L. structure
after completion of new E.B.L. structure.

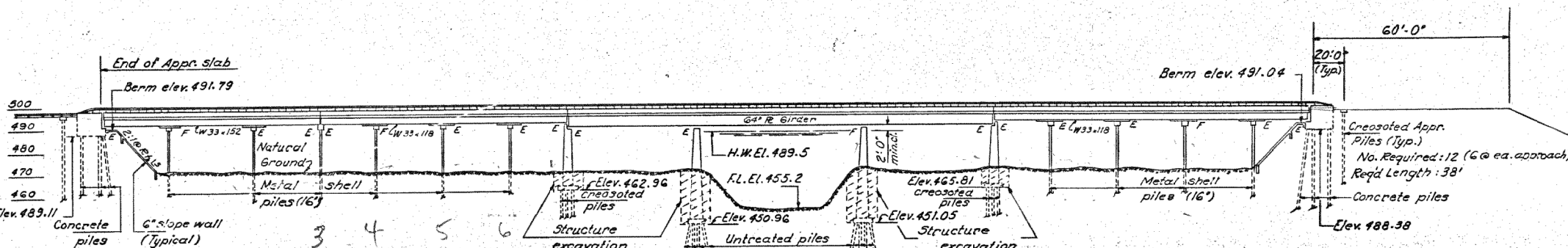
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

26-38-1(3)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.R.T. 70	26-38-1	FAYETTE	13	29 SHEETS

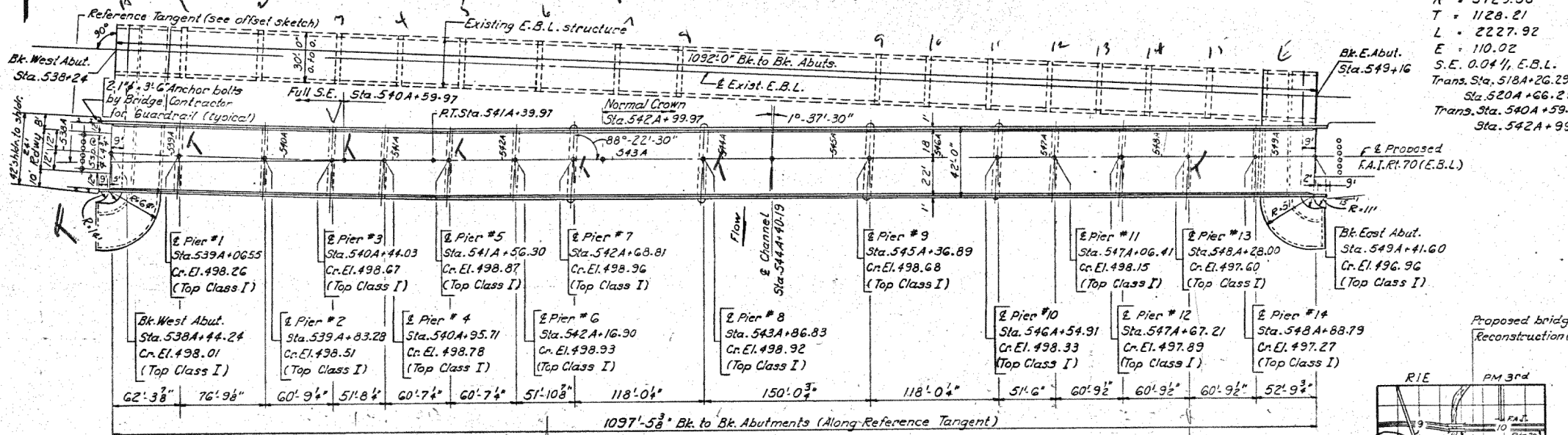
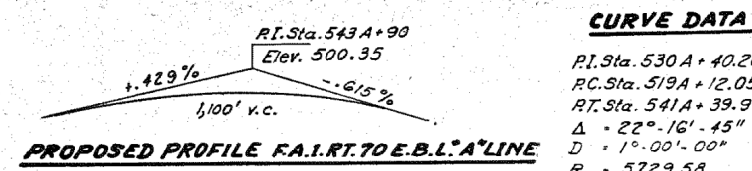
GENERAL NOTES

- All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
- Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ " ϕ ; open holes $\frac{1}{16}$ " ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 1243230 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 bolting diaphragms or cross frames over supports.
- Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58# per 100 sq. ft.
- Layout of slope walls may be varied in the field to suit ground conditions as directed by the Engineer.
- Concrete piles at abutments shall be driven in holes precored through the embankment in accordance with Article 513.09(c) of the Standard Specifications
- 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.
- Protective Coat shall not be applied to surfaces to which Cool Tar Interlayer Protective Coat is applied.
- The Contractor shall remove top berm and slope wall from under and adjacent to the existing E.B.L. structure and replace with new slope wall as directed by the Engineer.
- The Contractor shall drive 1 concrete test pile at West Abut., 1 metal shell test pile at each of Piers 1, 3, 5 and 13 and 1 Timber test pile at each of piers 7 and 8 in permanent locations as directed by the Engineer before ordering the remainder of piles.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\pm \frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$ inch adjusting shims of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.



Note:
Removal of existing slope wall shall be incidental to cost of Slope Wall (G*)

NO BO HER? PIER 9 ONLY!

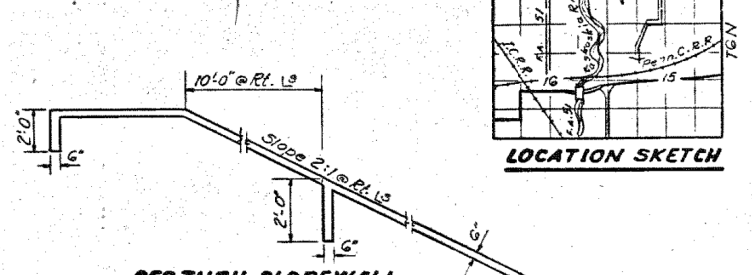
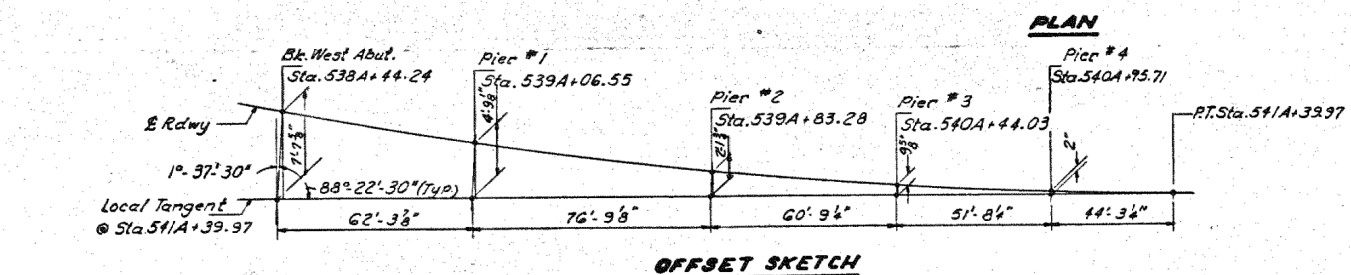
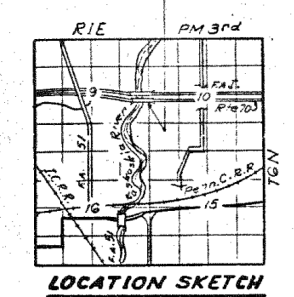


CURVE DATA

P.I. Sta. 530A + 40.26
P.C. Sta. 519A + 12.05
P.T. Sta. 541A + 39.97
 $\Delta = 22^\circ 16' - 45"$
 $D = 1^\circ 00' - 00"$
 $R = 5729.58$
 $T = 1128.21$
 $L = 2227.92$
 $E = 110.02$
S.E. 0.04 1/2, E.B.L.
Trans. Sta. 518A + 26.29 to Sta. 520A + 66.29
Trans. Sta. 540A + 59.97 to Sta. 542A + 99.97

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class X Concrete Encasement	Cu. Yds.		164.8	164.8
Protective Coat	Sq. Yds.	842		842
Metal Shell Piles (1/6")	Lin. Ft.		6001	6001
Test Piles (Metal Shell)	Each		4	4
Bituminous One Surface Course Class I	Tons	379		379
Structure Excavation	Cu. Yds.		1326	1326
Class X Concrete	Cu. Yds.	1411.0	205.1	1616.1
Class A Concrete	Cu. Yds.		816.7	816.7
Structural Steel	Lumpsum	0.82		0.82
Stud Shear Connectors	Each	9036		9036
Aluminum Railing	Lin. Ft.	2231		2231
Reinforcement Bars	Lbs.	331050	63570	394620
Untreated Piles up to 30 Feet	Lin. Ft.		3180	3180
Crested Piles 20.1 to 38 Ft.	Lin. Ft.		2961	2961
Concrete Piles	Lin. Ft.		1371	1371
Test Piles (Timber)	Each		2	2
Test Piles (Concrete)	Each		1	1
Name Plates	Each	1		1
Slope Wall 6 inch	Sq. Yds.		2135	2135
Cool Tar Interlayer Protective Coat	Sq. Yds.	4680		4680
Preformed Joint Sealer	Lin. Ft.	84		84
Neoprene Expansion Joint 2 1/2"	Lin. Ft.	42		42
Neoprene Expansion Joint 4"	Lin. Ft.	42		42
Neoprene Expansion Joint 6 1/2"	Lin. Ft.	42		42
Removal of Existing Structures	Each		1	1



WATERWAY INFORMATION
Drainage Area 1,289,481 Acres (Kaskaskia & Camp Creek)
Character Rolling & Cultivated
Required Opening 20,700 sq. ft.
Present Opening (below 1943 H.W.) 10,200 sq. ft.
Proposed Opening 20,700 sq. ft.
Design H.W. Elev. 489.5
Q (50) = 40,000 cfs

DESIGN STRESSES
 $f_c = 1,200$ psi Deck Slab
 $f_c = 1,400$ psi Curb, parapet & sub.
 $f_s = 20,000$ psi Struct. steel
 $f_s = 20,000$ psi Reinforcement
 $v_c = 75$ psi
 $n = 10$

LOADING HS-20-44 & ALT
Allow 25% future W.S.
Design Specification 1989
AASHTO as applicable.

STATION 543A + 92.91
BUILT 19 BY
STATE OF ILLINOIS
F.A.I.R.T. 70 SEC. 26-38-1(3) EBL
F.A. PROJ. I-IG-70-2(7A)
LOADING HS 20 & ALT.

GENERAL PLAN & ELEVATION
PROJ. I-IG-70-2(7A) 163
F.A.I.R.T. 70 (E.B.L.) OVER KASKASKIA RIVER
F.A.I.R.T. 70 SECTION 26-38-1(3) EBL
FAYETTE COUNTY
STA. 543A + 92.91

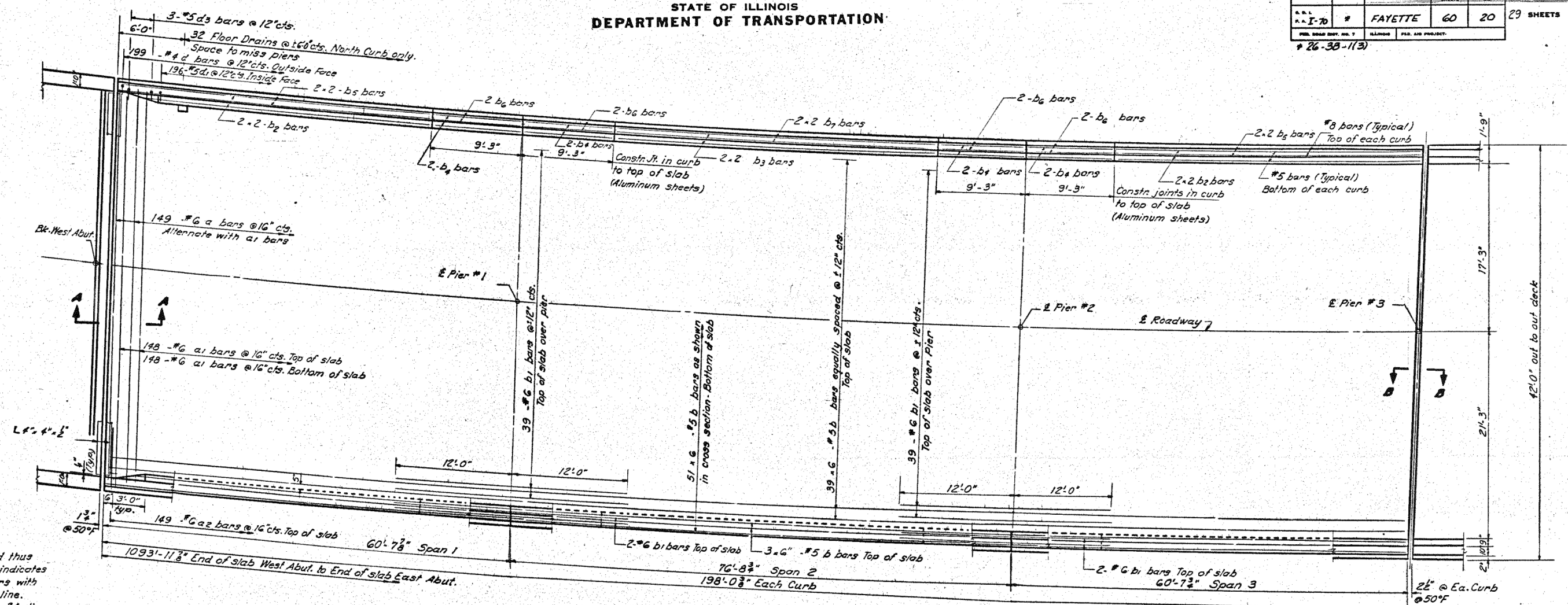
DESIGNED: R. U. Mattern
CHECKED: James Pence
DRAWN: Simon Ustambek
CHECKED: JP

EXAMINED: [Signature]
PASSED: W. G. Baumann
APPROVED: Richard J. Holtermann

JULY 20 1972

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
A.A. I-70	#	FAYETTE	60	20	29 SHEETS
# 26-3B-1(3)					



Notes:

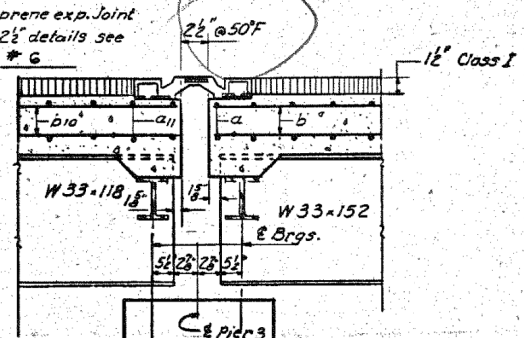
Bars indicated thus 20-3-#5 etc. indicates 20 lines of bars with 3 lengths per line. Min. bar laps - 24 dia.

For Floor Drain detail see Sheet # 12. For details of bars a, a2, d, d1/d3 see sheet # 10

For Sec. A-A see sheet # 11

For Curb Section see sheet # 9

For neoprene exp. joint type 2 1/2 details see sheet # 6



SECTION B-B
(At Pier #3)

DESIGNED	R. K. Mattuz
CHECKED	James Ponce
DRAWN	Simon Ustari
CHECKED	JP

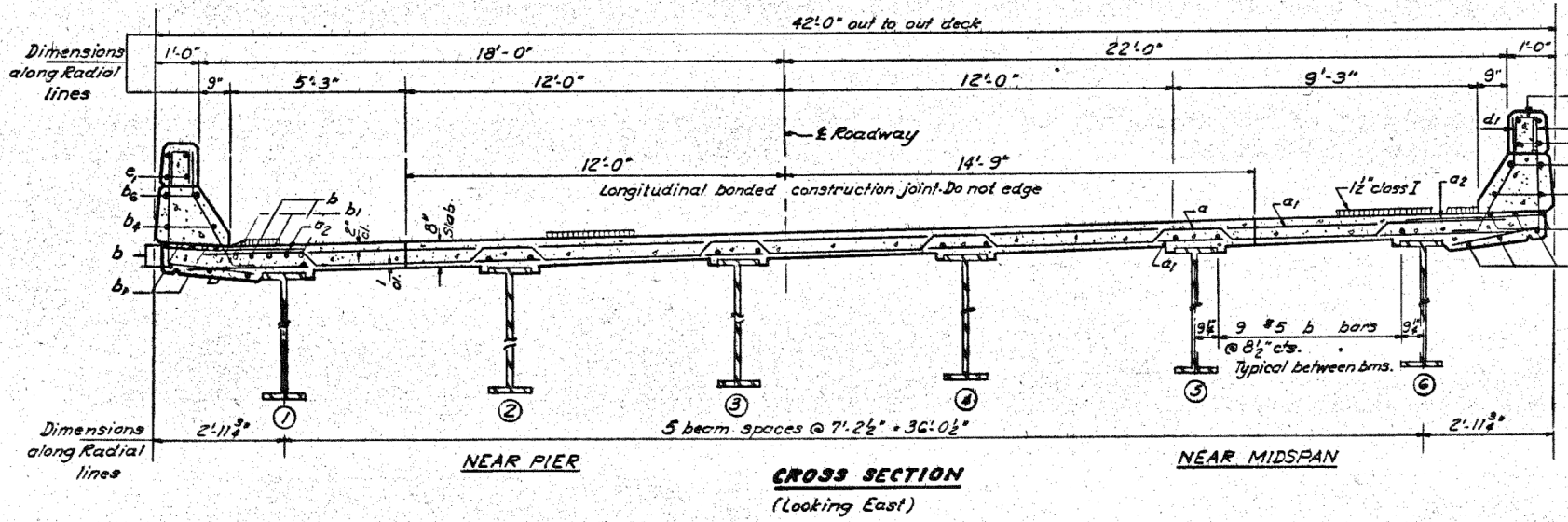
EXAMINED
PASSED
July 20 1972
Richard H. Holterman

PLAN
(All dimensions along the inside face of parapet)

BILL OF MATERIAL

Bar No.	Size	Length	Shape
a	149 #6	41'-10"	~
a1	296 #6	40'-0"	—
a2	296 #6	41'-0"	—
b	576 #5	34'-0"	—
b1	86 #6	24'-0"	—
b2	16 #5	26'-3"	—
b3	8 #5	29'-9"	—
b4	16 #5	9'-0"	—
b5	16 #8	26'-9"	—
b6	16 #8	9'-0"	—
b7	8 #8	30'-0"	—
d	398 #4	4'-9"	┌
d1	392 #5	3'-7"	┌
d3	6 #5	4'-3"	┌
Class X Concrete		Cu. Yds.	246.5
Reinforcement Bars		Lbs.	58210

Note: For placement of bars d2 thru e2 see sheet # 13



Parapet Reinforcement (Class X Concrete are billed on sheet # 13)

SUPERSTRUCTURE-SPANS 1, 2 & 3
R.A.I.R.T. TO SEC. 26-3B-1(3)EBL
FAYETTE COUNTY
STA. 543A+92.91



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:13:39 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

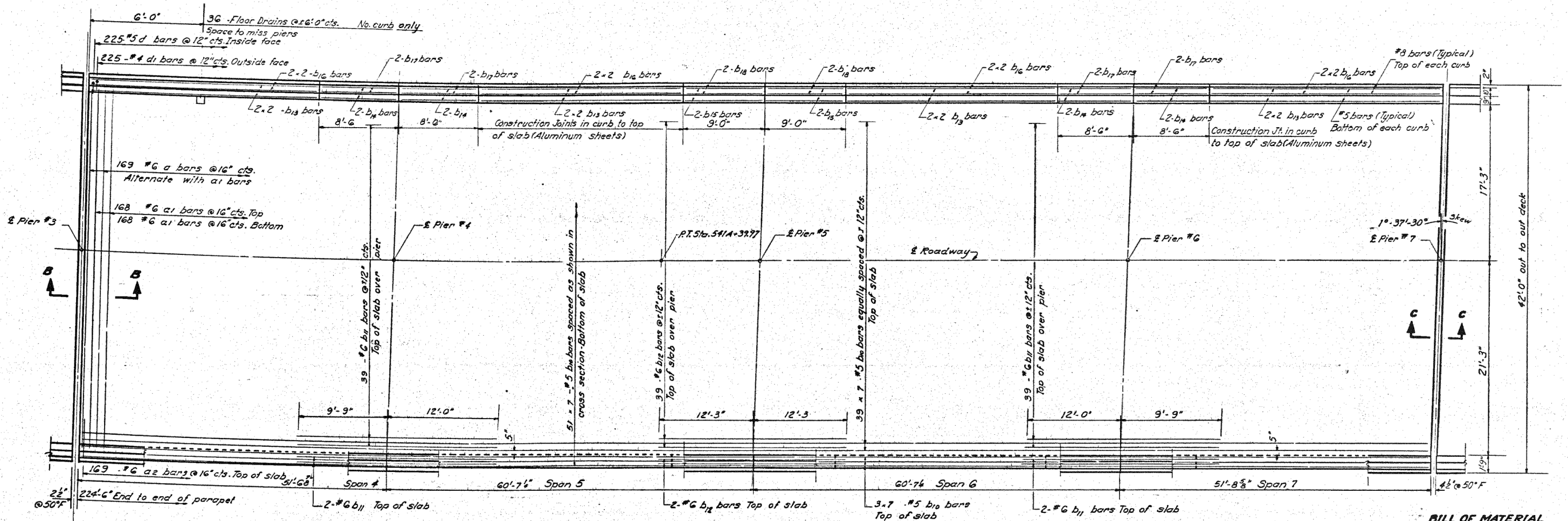
SCALE: SHEET NO. 2 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	223
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

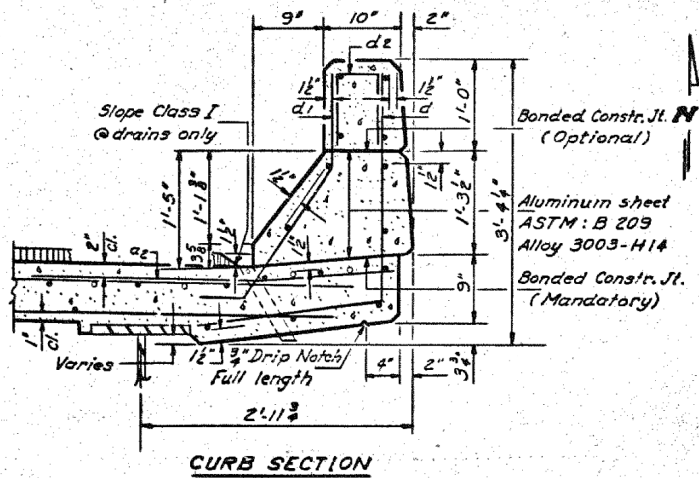
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	1	FAYETTE	60	21
29 SHEETS				

#26-3B-1(3)

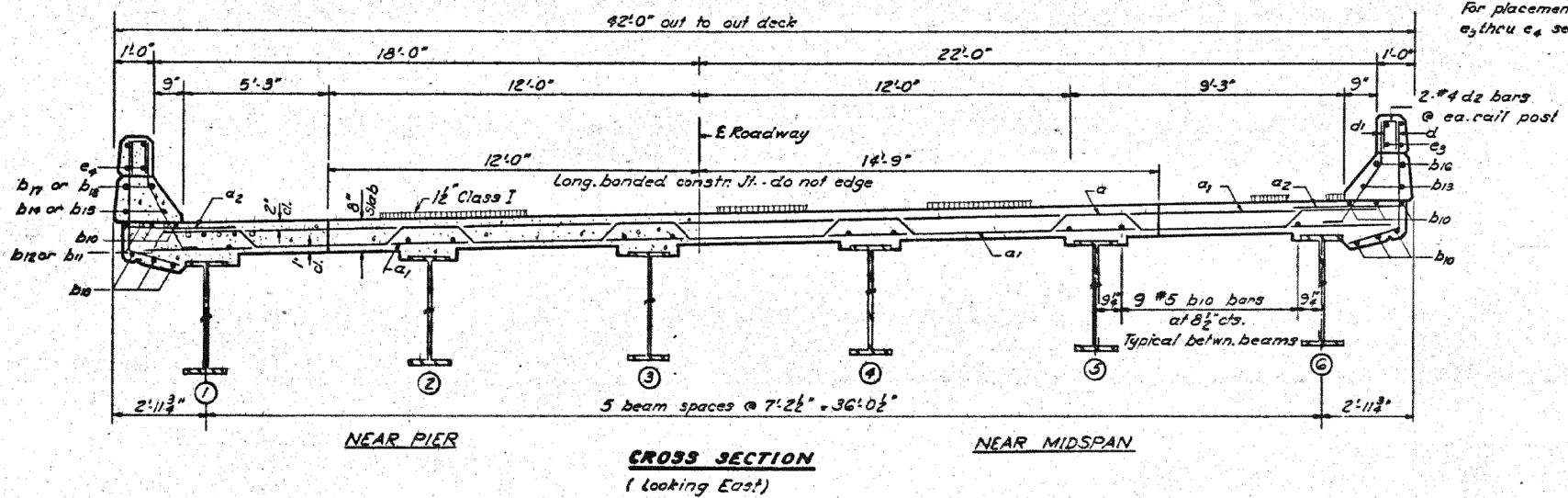


PLAN

Notes:
For Section B-B see sheet # 8
For Section C-C see sheet # 10
For bar details see sheet # 10
For floor Drain detail see sheet # 12



CURB SECTION



CROSS SECTION
(Looking East)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	169	#6	41'-10"	~
a1	336	#6	40'-0"	~
a2	338	#6	4'-0"	~
b10	672	#5	33'-3"	~
b11	86	#6	2'-9"	~
b12	43	#6	2'-6"	~
b13	32	#5	2'-3"	~
b14	16	#5	8'-3"	~
b15	8	#5	8'-9"	~
b16	32	#8	2'-9"	~
b17	16	#8	8'-3"	~
b18	8	#8	8'-9"	~
d	450	#4	4'-9"	~
d1	450	#5	3'-7"	~
Class X Concrete			Cu. Yds.	277.4
Reinforcement Bars			Lbs.	67070

Note:
For placement of bars d2 & e3 thru e4 see sheet # 13

DESIGNED R. K. Mathur
CHECKED James Ponce
DRAWN Simon Ustanek
CHECKED JP

EXAMINED [Signature]
PASSED [Signature]
DATE 08/13

Parapet Reinforcement & Class X Concrete are billed on sheet # 13
SUPERSTRUCTURE-SPANS 4,5,6 & 7
R.A.I.R.T. 70 SEC. 26-3B-1(3) EBL
FAYETTE COUNTY
STA. 543 A + 92.91



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:13:48 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

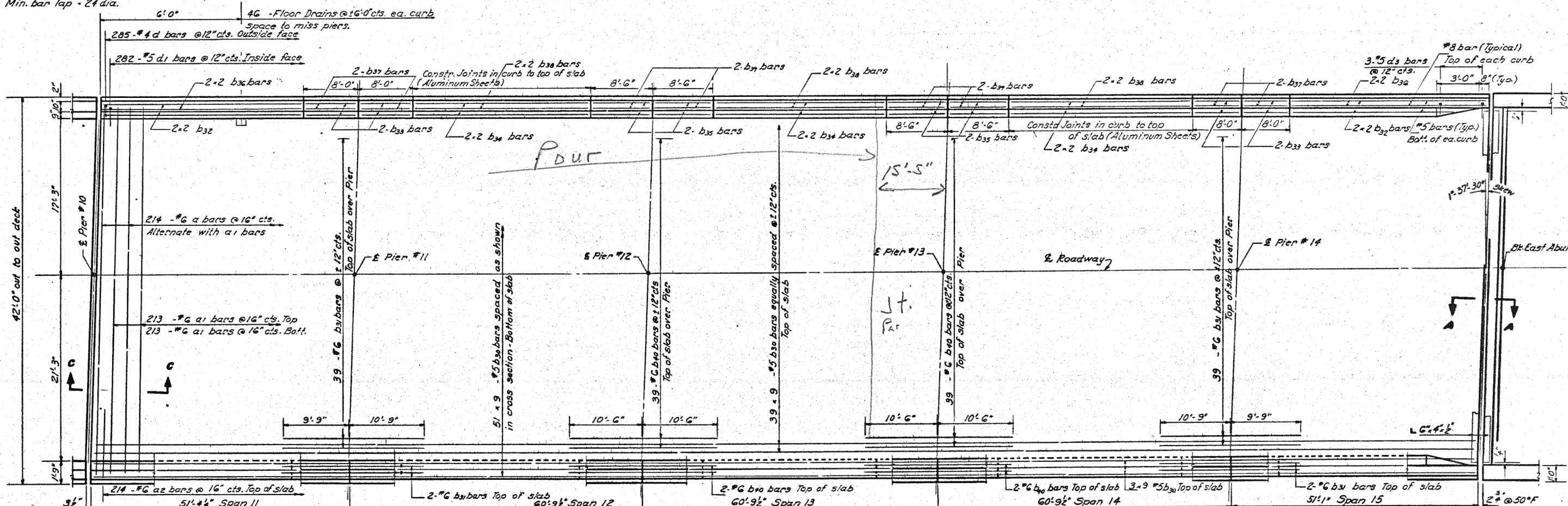
SCALE: SHEET NO. 3 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	224
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

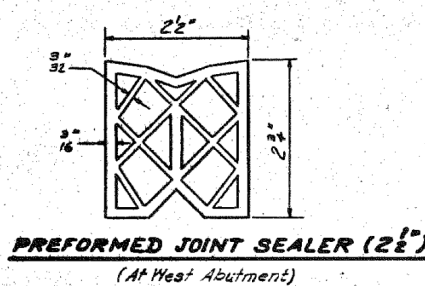
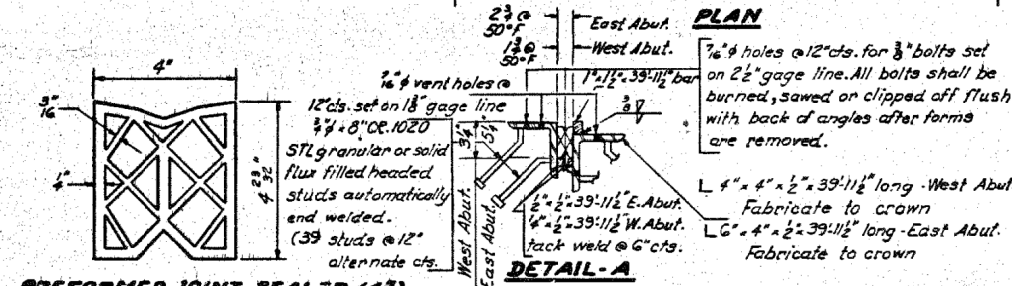
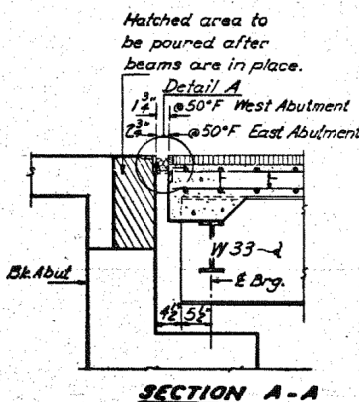
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 11
26-3B-1	#	FAYETTE	60	23	29 SHEETS
# 26-3B-1(3)					

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

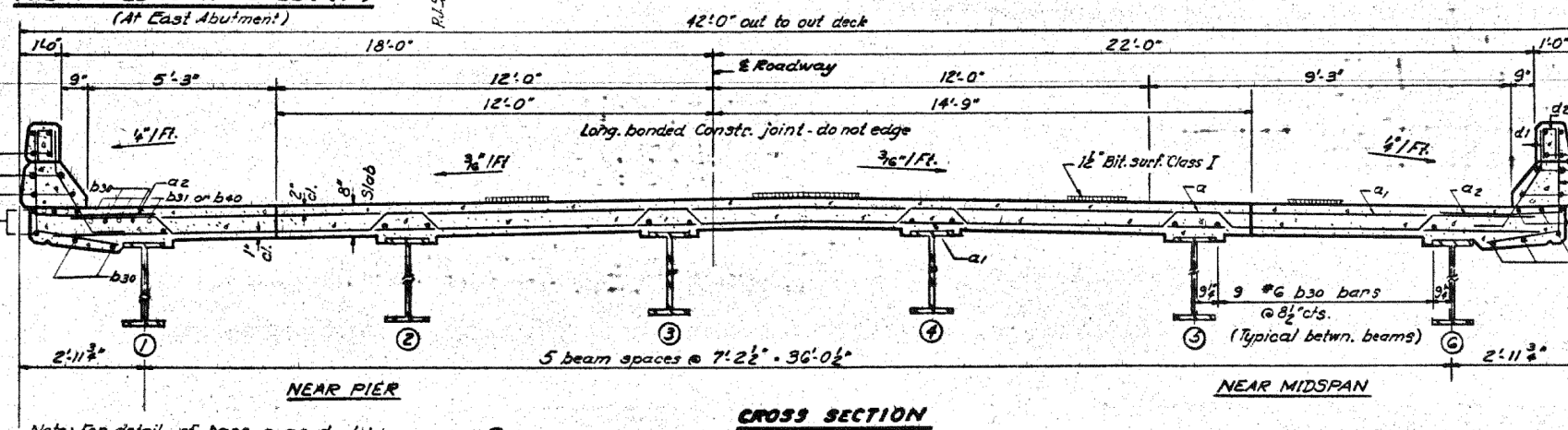


Notes:
For Section C-C see sheet # 10
For Floor Drain detail see sheet # 12



BILL OF MATERIAL

Bar No.	Size	Length	Shape
a	214 #6	41'-10"	~
a1	#26 #6	40'-0"	~
a2	#28 #6	4'-0"	~
b30	864 #5	33'-0"	~
b31	86 #6	20'-6"	~
b32	16 #5	22'-3"	~
b33	16 #5	7'-9"	~
b34	24 #5	23'-3"	~
b35	16 #5	8'-3"	~
b36	16 #8	22'-9"	~
b37	16 #8	7'-9"	~
b38	24 #8	23'-6"	~
b39	16 #8	8'-3"	~
b40	86 #6	21'-0"	~
d	570 #4	4'-9"	~
d1	564 #5	3'-7"	~
d3	6 #5	4'-3"	~
Class I Concrete Cu. Yds. 345.3			
Reinforcement Bars Lbs. 85030			



DESIGNED *R. K. Mathur*
CHECKED *James Puce*
DRAWN *Simon H. Stambic*
CHECKED *JP*

EXAMINED *[Signature]*
PASSED *[Signature]*
DATE *July 20 1972*



USER NAME = has
ESCA PROJECT NO. 1000.05
PLOT SCALE = 0.1667 / IN.
PLOT DATE = 1/30/2014 6:40:12 AM

DESIGNED - ELH
DRAWN - HAS
CHECKED - RDP
DATE - 08/13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

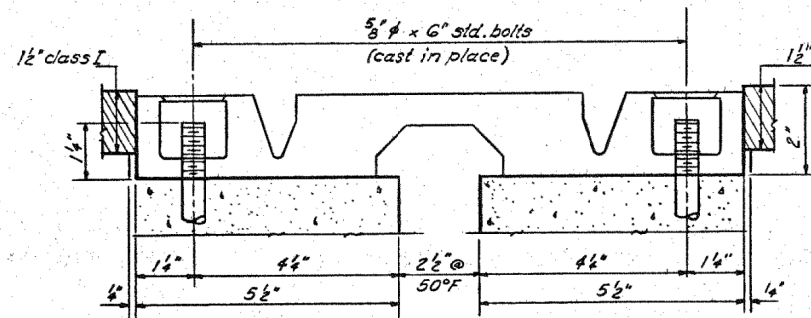
SCALE: SHEET NO. 5 OF 23 SHEETS STA. TO STA.

F.A.I. SECTION COUNTY TOTAL SHEETS SHEET NO.
70 (26-3B-1, 3B-1(3))BR FAYETTE 277 226

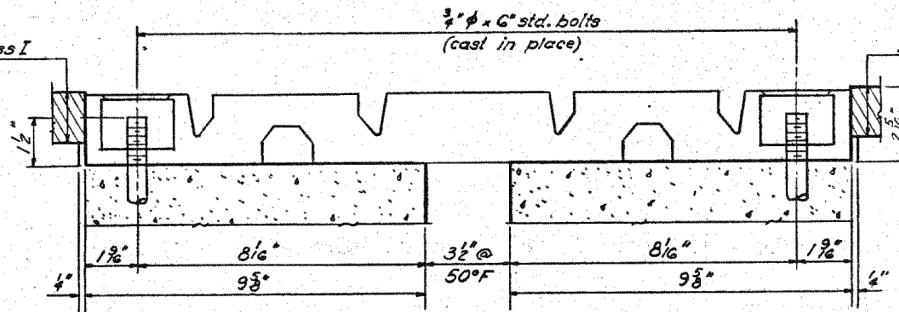
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 74175

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

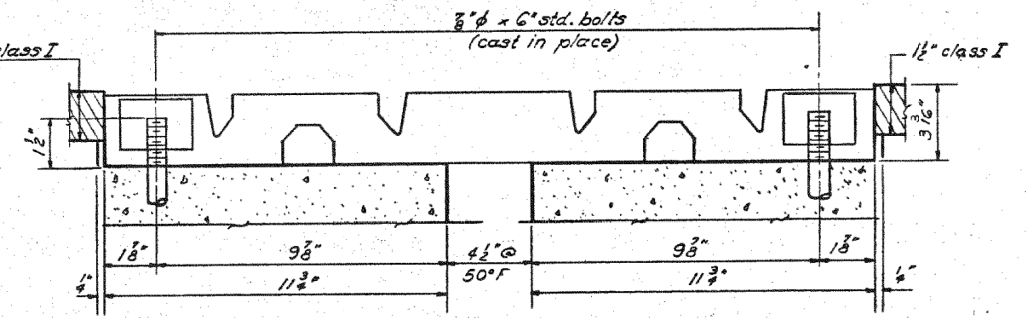
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-70	*	FAYETTE	60	24
SHEET NO. 12 29 SHEETS				
#26-3B-1(3)				



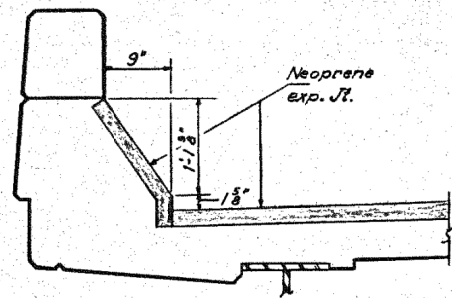
NEOPRENE EXPANSION JOINT (2 1/2")
See Special Provisions



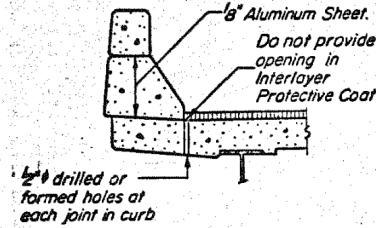
NEOPRENE EXPANSION JOINT (4")
See Special Provisions



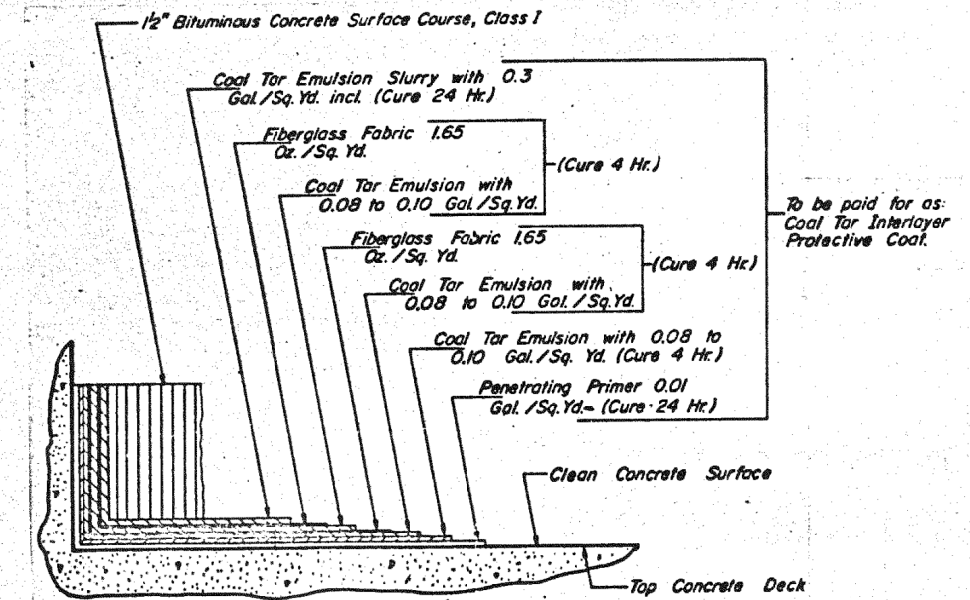
NEOPRENE EXPANSION JOINT (6 1/2")
See Special Provisions



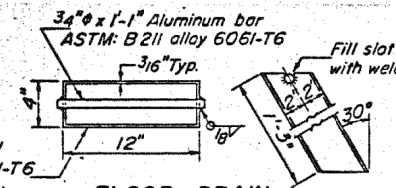
SECTION AT CURB JOINT



SECTION AT CURB JOINTS



DETAIL OF DECK SURFACING



FLOOR DRAIN
Aluminum Sheets Welded
ASTM: B209 alloy 6061-T6
or Aluminum Extrusions
ASTM: B221 alloy 6061-T6
Cast incidental to Class X Concrete.

DESIGNED	R. K. Mathew
CHECKED	James Pence
DRAWN	Simon Ustankov
CHECKED	JP

EXAMINED	Richard H. Hollman
PASSED	W. C. Baumann
DATE	JULY 30 1976

SUPERSTRUCTURE-DETAILS
RA.I.R.T. 70 SEC. 26-3B-1(3)EBL
FAYETTE COUNTY
STA. 543A+92.91

PRINT DRIVER = LEO-5-8-80-1
SCALE = 1/4" = 1'-0"
PLOT DATE = 1/29/2014 2:14:28 PM



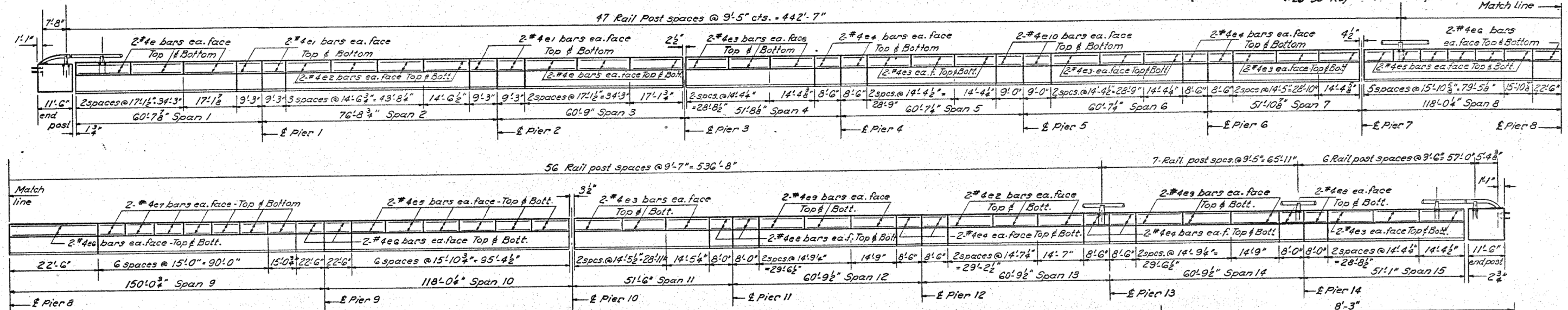
USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:14:28 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

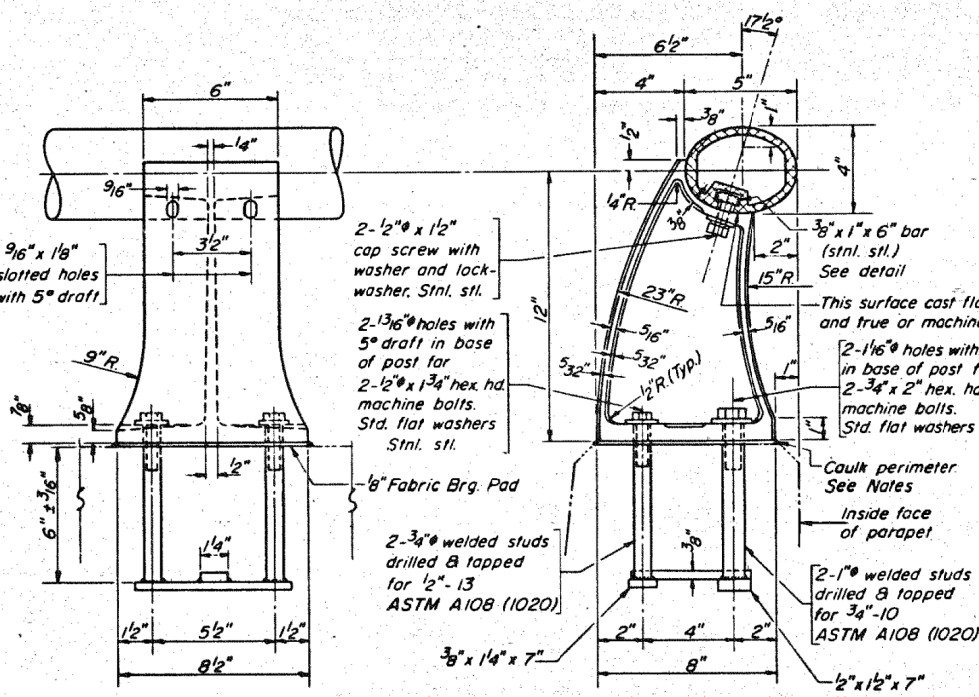
SCALE: SHEET NO. 6 OF 23 SHEETS STA. TO STA.

F.A.I. R.T.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	227
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

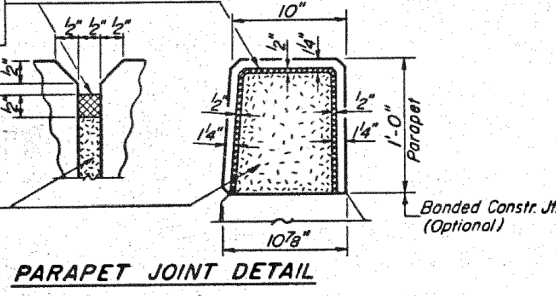
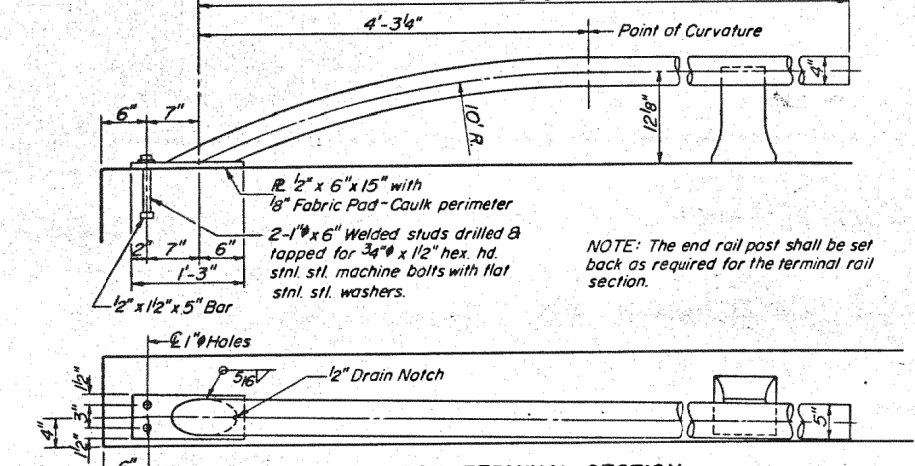
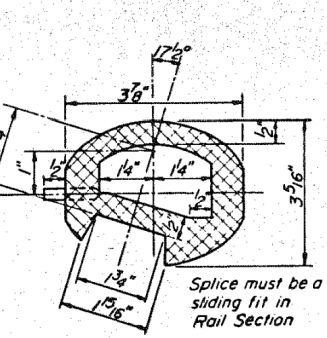
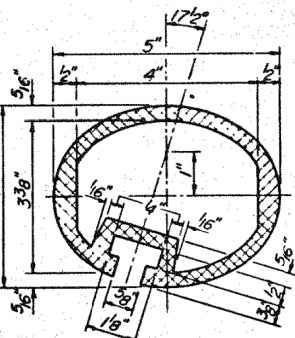
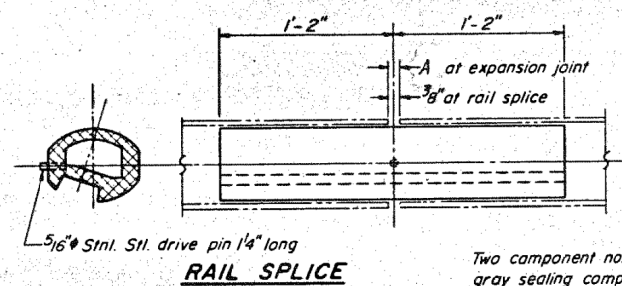


DIMENSION "A"

West Abutment	1 3/4"
Pier 3	2 1/2"
Pier 7	4 1/2"
Pier 10	3 1/2"
East Abutment	2 3/4"



RAIL POST DETAILS



NOTES:

All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.

All joints in rail shall be spliced per detail.

Provide 1-1/8" and 2-1/8" Aluminum Shims for 25% of the Posts. Rail element shall be parallel to Grade-high spots shall be ground and low spots shimmed.

Seal perimeter of base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers, gun grade with primer. Fabric Bearing Pad shall have same dimensions as base of post.

Aluminum alloy rail shall conform to ASTM B221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min tensile 38 ksi, and elongation of 10% in 2 inches.

BILL OF MATERIAL

Bar No.	Size	Length	Shape
e1	48 #4	16'-10"	
e2	32 #4	9'-0"	
e3	56 #4	14'-3"	
e4	120 #4	14'-1"	
e5	64 #4	8'-3"	
e6	48 #4	15'-6"	
e7	32 #4	22'-3"	
e8	56 #4	14'-9"	
e9	32 #4	7'-9"	
e10	48 #4	14'-6"	
e11	16 #4	8'-9"	
d2	468 #4	2'-11"	
Reinforcement Bars	Lbs	5640	
Class X Concrete	Cu. Yds.	70.7	
Aluminum Railing	Lin. Ft.	2231	

ALUMINUM RAILING
CAL. RT. 70 SEC. 26-3B-1(3)EBL
FAYETTE COUNTY
STA. 543 A + 92.91

DESIGNED R.K. Mathews
CHECKED James Rinep
DRAWN Simon Ustamb
CHECKED JP

EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]

July 20 1972

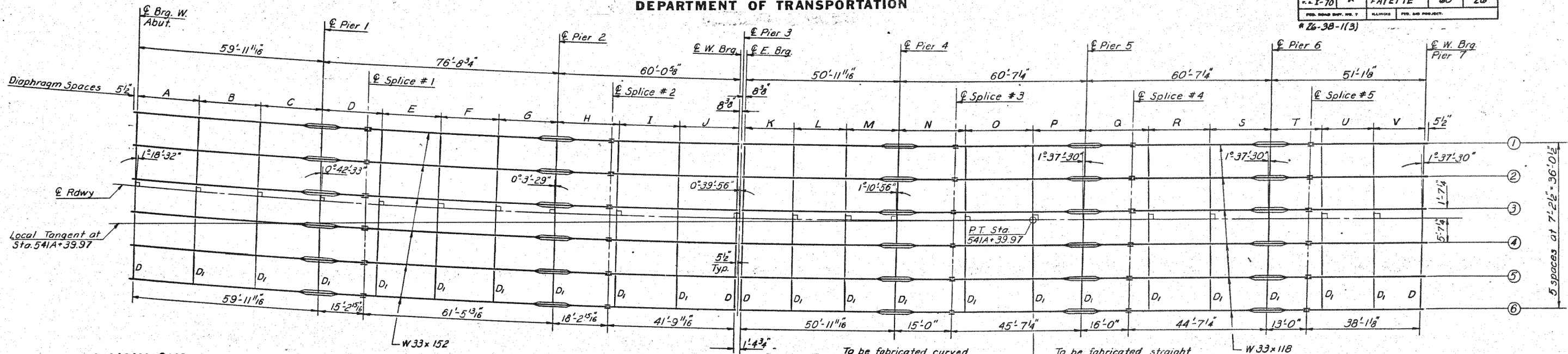
R-17 4-22-68 9-18-69 3-3-71



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-70	A	FAYETTE	60	26
SHEET NO. 14 29 SHEETS				



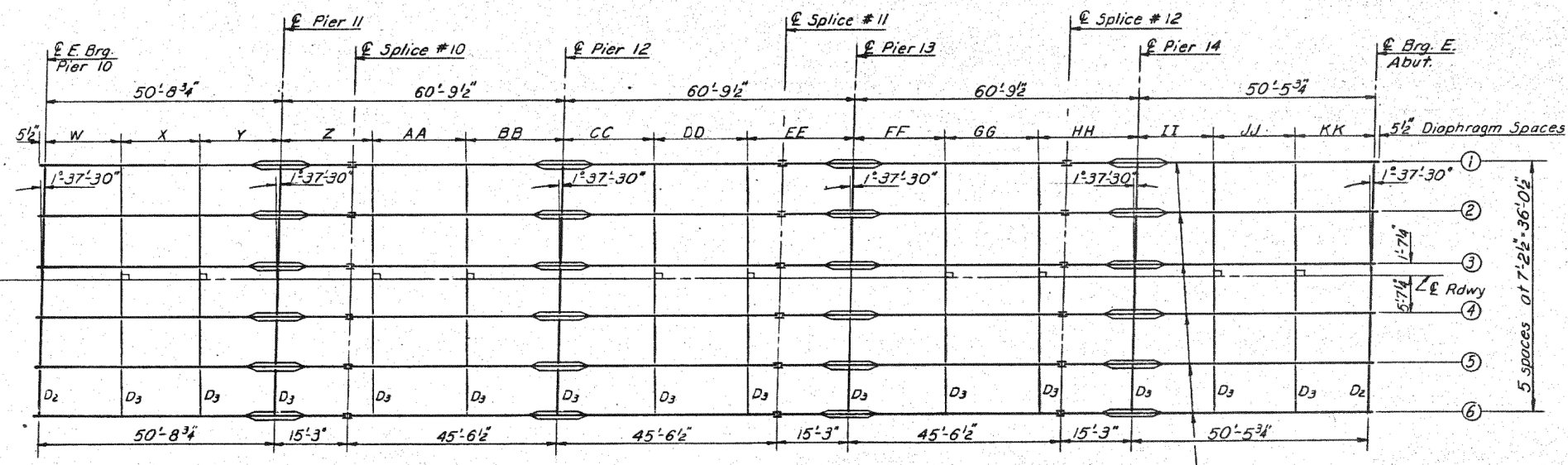
DIMENSIONS

All dimensions given along beam lines

Dim	1	2	3	4	5	6
A	20'-3 5/8"	20'-11 5/16"	20'-0 4/8"	19'-10 9/16"	19'-8 7/8"	19'-7 3/8"
B	19'-11 1/4"	19'-11 3/16"	19'-11 7/8"	20'-0 3/16"	20'-0 1/2"	20'-0 3/4"
C	19'-8 13/16"	19'-10 3/16"	19'-11 3/16"	20'-0 15/16"	20'-2 3/8"	20'-3 9/16"
D	19'-3 15/16"	19'-3 1/8"	19'-2 3/8"	19'-1 9/16"	19'-0 13/16"	19'-0 1/8"
E	19'-1 9/16"	19'-1 13/16"	19'-2 1/8"	19'-2 1/8"	19'-2 1/16"	19'-3"
F	19'-1 13/16"	19'-1 13/16"	19'-2 1/8"	19'-2 1/8"	19'-2 1/8"	19'-3"
G	19'-1 11/16"	19'-1 7/8"	19'-2 1/8"	19'-2 3/16"	19'-2 9/16"	19'-2 3/8"
H	20'-2 2/8"	20'-2 2/8"	20'-2 2/8"	20'-3 3/16"	20'-3 11/16"	20'-4 1/16"
I	20'-2 3/16"	20'-2 3/8"	20'-2 3/8"	20'-3 1/4"	20'-3 3/8"	20'-3 3/8"
J	19'-8 3/16"	19'-7 7/8"	19'-6 3/4"	19'-6 1/16"	19'-5 3/8"	19'-4 9/16"
K	16'-3 1/2"	16'-4 3/4"	16'-6 1/8"	16'-7 1/8"	16'-8 3/16"	16'-9 1/16"
L	17'-2 9/16"	17'-2 3/8"	17'-2 3/8"	17'-2 1/8"	17'-3 1/8"	17'-3 1/8"
M	17'-6 1/16"	17'-4 9/16"	17'-3"	17'-1 1/2"	17'-0"	16'-10 5/16"
N	21'-8 1/16"	21'-11"	22'-1 1/8"	22'-3 1/4"	22'-5 3/8"	22'-7 3/8"
O	22'-0 9/16"	22'-1 3/16"	22'-1 9/16"	22'-1 1/8"	22'-2 1/4"	22'-2 1/2"
P	16'-9 1/16"	16'-7 1/16"	16'-4 3/16"	16'-2 1/8"	15'-11 3/8"	15'-9 1/8"
Q	19'-8"	19'-10 1/16"	20'-0 1/8"	20'-3 3/8"	20'-5 13/16"	20'-8 1/4"
R	20'-3"	20'-3"	20'-3"	20'-3"	20'-3"	20'-3"
S	20'-8 1/4"	20'-5 13/16"	20'-3 3/8"	20'-0 7/8"	19'-10 1/16"	19'-8"
T	16'-5"	16'-7 1/16"	16'-9 1/8"	17'-0 3/8"	17'-2 13/16"	17'-5 1/4"
U	17'-2 2/8"	17'-2 1/8"	17'-2 1/8"	17'-2 1/8"	17'-2 1/8"	17'-2 1/8"
V	17'-5 1/4"	17'-2 13/16"	17'-0 3/8"	16'-9 9/8"	16'-7 1/16"	16'-5"
W	16'-4 1/4"	16'-6 1/16"	16'-9 1/8"	16'-11 5/8"	17'-2 1/16"	17'-4 1/2"
X	17'-0"	17'-0"	17'-0"	17'-0"	17'-0"	17'-0"
Y	17'-4 1/2"	17'-2 1/16"	16'-11 3/8"	16'-9 9/8"	16'-6 11/16"	16'-4 1/4"
Z	19'-9"	19'-11 1/16"	20'-1 1/8"	20'-4 3/8"	20'-6 13/16"	20'-9 1/4"
AA	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"
BB	20'-9 1/4"	20'-6 13/16"	20'-4 3/8"	20'-1 7/8"	19'-11 1/16"	19'-9"
CC	19'-9"	19'-11 1/16"	20'-1 1/8"	20'-4 3/8"	20'-6 13/16"	20'-9 1/4"
DD	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"
EE	20'-9 1/4"	20'-6 13/16"	20'-4 3/8"	20'-1 7/8"	19'-11 1/16"	19'-9"
FF	19'-9"	19'-11 1/16"	20'-1 1/8"	20'-4 3/8"	20'-6 13/16"	20'-9 1/4"
GG	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"	20'-3 1/4"
HH	20'-9 1/4"	20'-6 13/16"	20'-4 3/8"	20'-1 7/8"	19'-11 1/16"	19'-9"
II	16'-4 1/4"	16'-6 1/16"	16'-9 1/8"	16'-11 5/8"	17'-2"	17'-4 1/8"
JJ	16'-9 1/4"	16'-9 1/4"	16'-9 1/4"	16'-9 1/4"	16'-9 1/4"	16'-9 1/4"
KK	17'-4 1/4"	17'-1 13/16"	16'-11 3/8"	16'-8 15/16"	16'-6 1/2"	16'-4 1/16"
radii	5713.561	5720.769	5727.977	5735.185	5742.393	5749.601

Note:
All beams shall be fabricated to their respective radii.

FRAMING PLAN
SPANS 1, 2, 3, 4, 5, 6 & 7



FRAMING PLAN
SPANS 11, 12, 13, 14 & 15

DESIGNED	R. K. Mallur
CHECKED	James Pines
DRAWN	R. P. Summer
CHECKED	JP

EXAMINED
PASSED
DATE: July 20, 1972

STRUCTURAL STEEL
SPANS 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14 & 15
F.A.I. RT. 70 SEC. 26-3B-1(3) E.B.L.
FAYETTE COUNTY
STATION 543A+92.91

PRINT DRIVER: LEO E. BARON
SCALE: 1/8" = 1'-0"
DATE: 1/29/2014



USER NAME	= has	DESIGNED	- ELH	REVISED	-
ESCA PROJECT NO.	1000.05	DRAWN	- HAS	REVISED	-
PLOT SCALE	= 0.1667 / IN.	CHECKED	- RDP	REVISED	-
PLOT DATE	= 1/29/2014	DATE	- 08/13	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

SCALE: SHEET NO. 8 OF 23 SHEETS STA. TO STA.

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	229
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

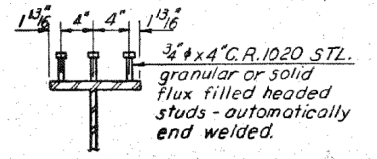
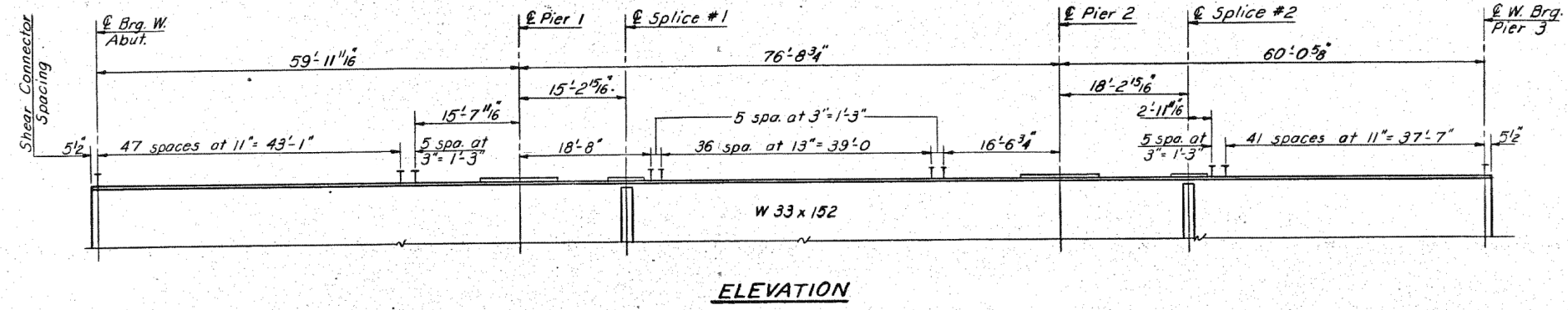
INTERIOR BEAM MOMENT TABLE

	0.4 Sp. 1	Pier	0.5 Sp. 2
I_s (in ⁴)	8160	11231	8160
I_c (in ⁴)	20238		20238
S_s (in ³)	487	651	487
S_c (in ³)	689		689
Q (K/ft)	.901	1.355	.901
M_q (K)	217	643	211
f_{sQ} (KSI)	5.5	11.8	5.2
S_Q (K/ft)	.454		.454
M_{sQ} (K)	122		149
M_q (K)	455	308	506
M_{imp} (K)	116	81	127
TOTAL (K)	693	389	782
f_{sQ+imp} (KSI)	12.1	7.2	13.6
f_{sTOTAL} (KSI)	17.6	19.0	18.8
VR (K)	54.0		37.0

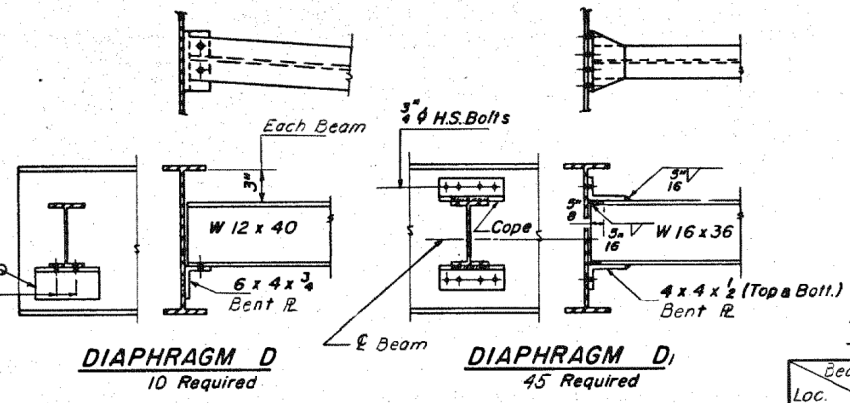
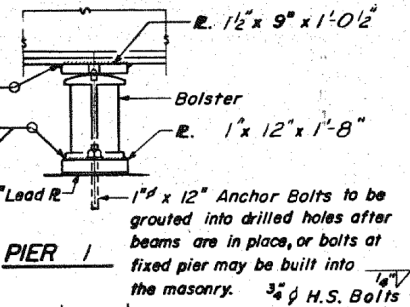
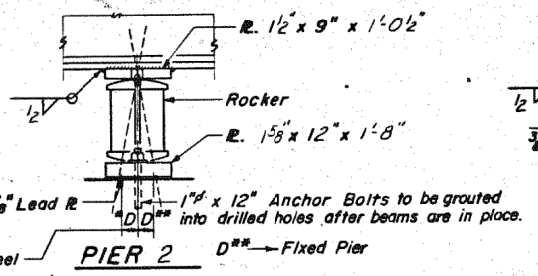
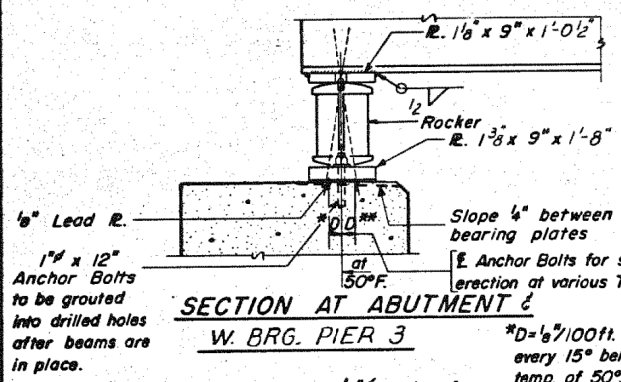
INTERIOR BEAM REACTION TABLE

	Abut.	Pier 1
R_q (K)	30.6	103.9
R_q (K)	38.7	50.2
Imp. (K)	10.3	12.9
R_{TOTAL} (K)	79.6	167.0

I_s and S_s are the moment of inertia and section modulus of the steel section.
 I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s .
VR is the maximum $1/4$ Impact shear range.
Allowable stresses are lower due to horizontal curve in beams.

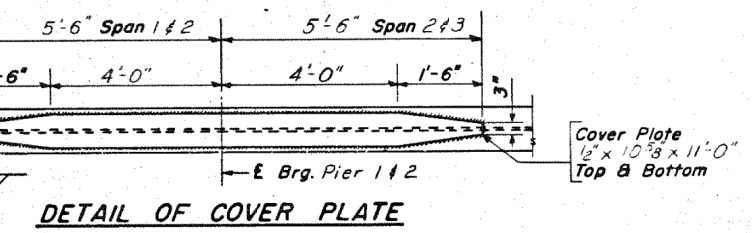
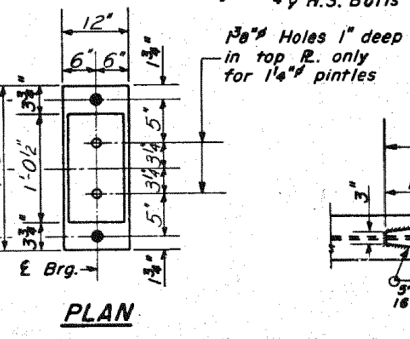
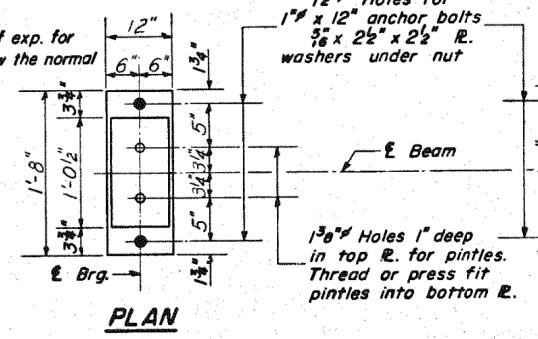
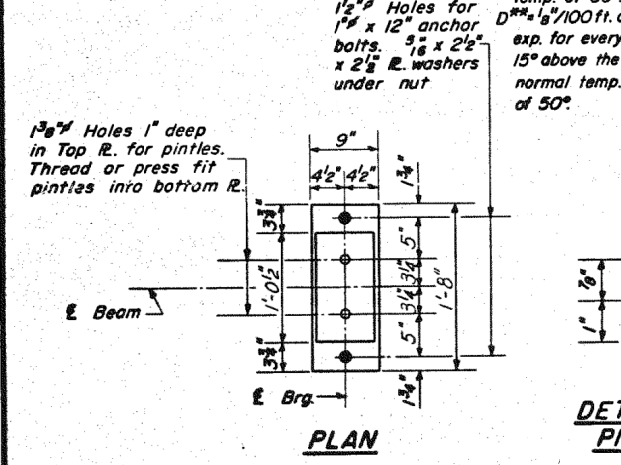


SHEAR CONNECTORS
441 Req'd. Each Beam

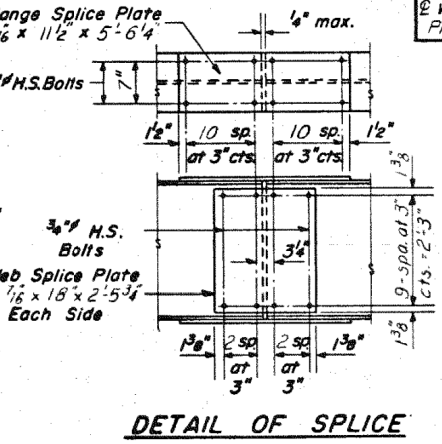
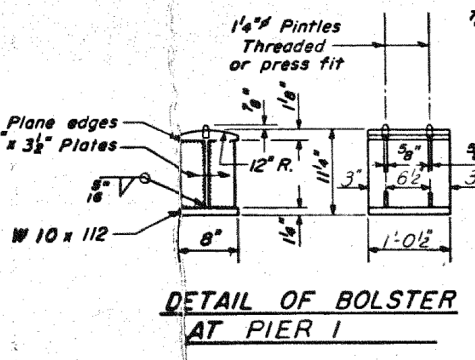
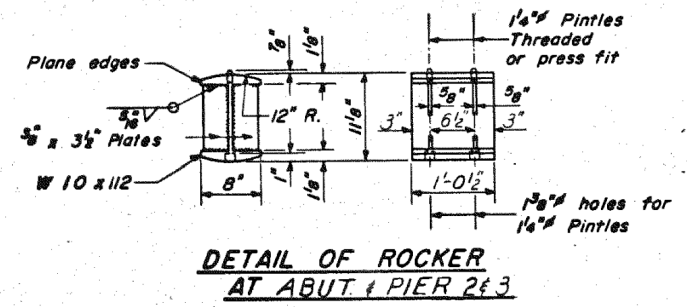
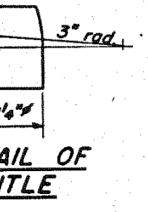


TOP OF FLANGE ELEVATIONS

Beam Loc.	1	2	3	4	5	6
W. Brg. W. Abut.	496.543	496.832	497.121	497.410	497.699	497.988
W. Pier 1	496.732	497.021	497.309	497.598	497.887	498.175
W. Splice #1	496.780	497.069	497.357	497.646	497.935	498.223
W. Pier 2	496.970	497.258	497.546	497.835	498.123	498.412
W. Splice #2	497.026	497.314	497.602	497.891	498.179	498.467
W. Brg. Pier 3	497.195	497.479	497.771	498.059	498.347	498.636



DESIGNED R. K. Mathur
CHECKED James P. Snee
DRAWN W. A. Sausaman Jr.
EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]



STRUCTURAL STEEL
SPANS 1, 2, & 3
F.A.I. RT. 70 SEC. 26-3B-1(3) E.B.L.
FAYETTE COUNTY
STATION 543A+92.91

I-2-C 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63 Rev. 8-1-70



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

SCALE: SHEET NO. 9 OF 23 SHEETS STA. TO STA.

F.A.I. RT. 70	SECTION (26-3B-1, 3B-1(3))BR	COUNTY FAYETTE	TOTAL SHEETS 277	SHEET NO. 230
CONTRACT NO. 74175			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

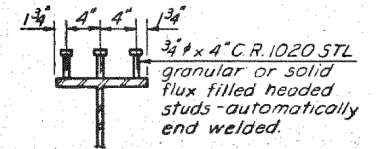
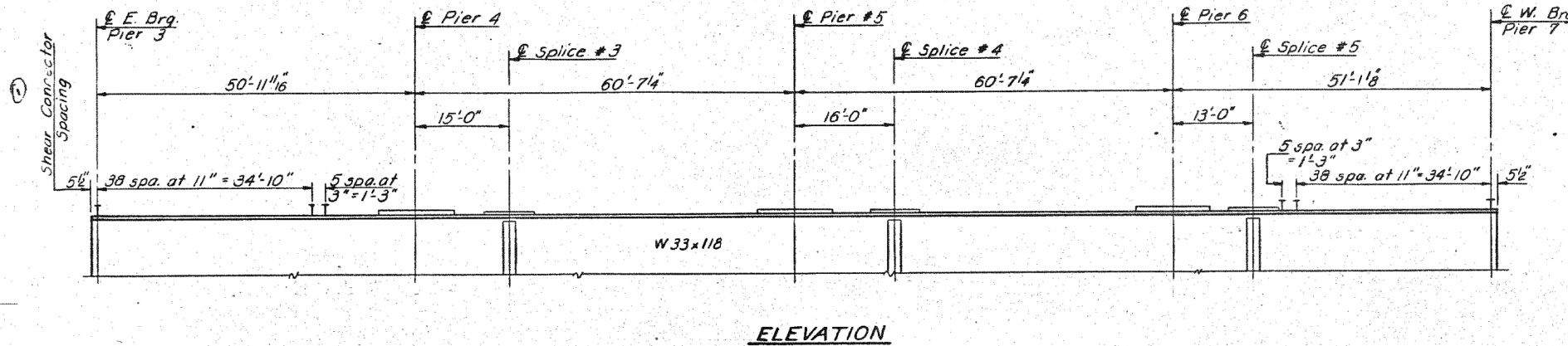
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RT. 70	26-3B-1	FAYETTE	60	28
SHEET NO. 16 29 SHEETS				

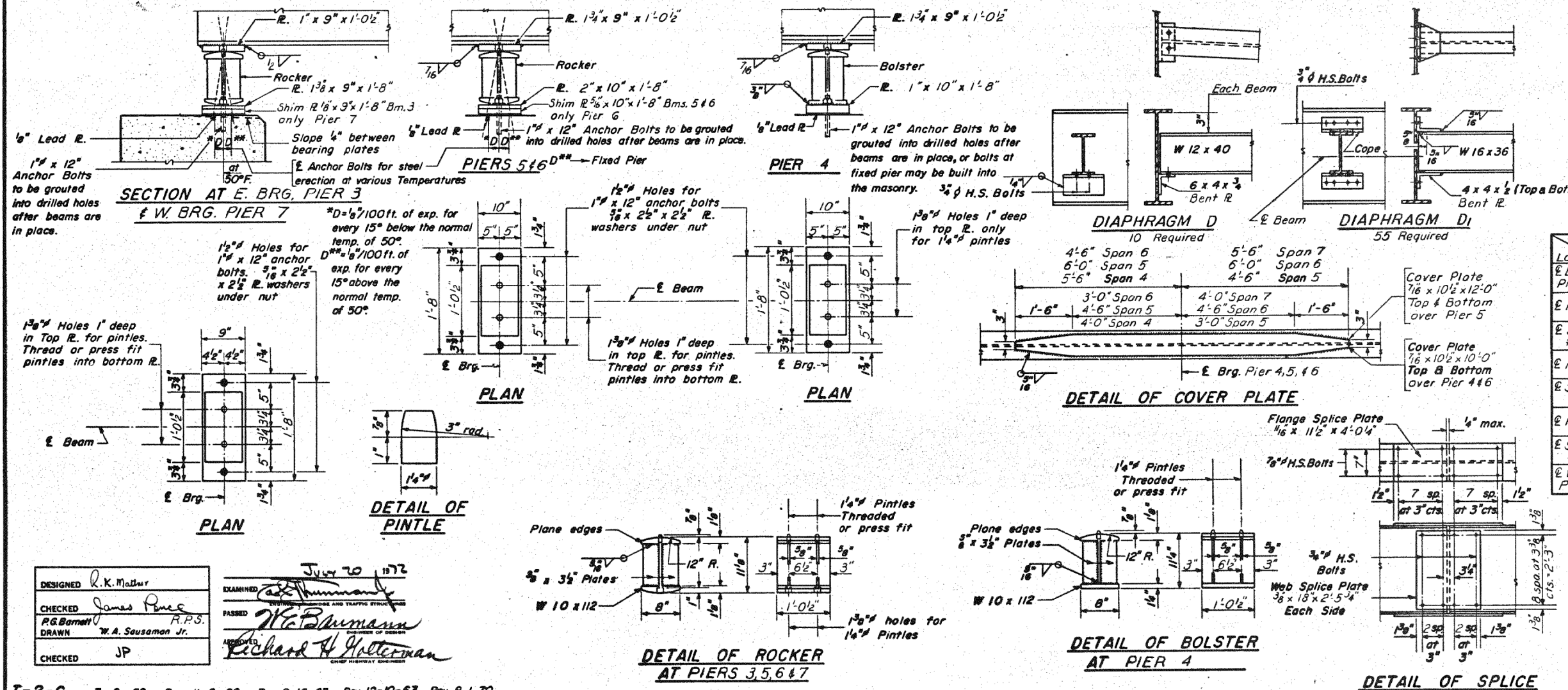
	0.4 Sp. 4	Pier 4	0.5 Sp. 5	Pier 5
I_s (in ⁴)	5900	8446	5900	8446
I_c (in ⁴)	15933			
S_s (in ³)	359	514	359	514
S_c (in ³)	530			
Q (K/ft)	0.863	1.317	1.317	1.317
M_e (K)	160	434	179	419
f_{s_e} (KSI)	5.4	10.1	6	9.8
$S_{\bar{Q}}$ (K/ft)	0.454			
M_{s_e} (K)	91			
$M_{\bar{Q}}$ (K)	369	270	308	300
M_{imp} (K)	105	74	83	79
TOTAL (K)	565	344	391	379
$f_{s_{\bar{Q}+S_e}}$ (KSI)	12.8	8.1	13.1	8.8
$f_{s_{TOTAL}}$ (KSI)	18.2	18.2	19.1	18.6
VR (K)	69.2			

	Pier 3	Pier 4	Pier 5
R_e (K)	25.8	82.5	-79.3
$R_{\bar{Q}}$ (K)	37.5	45.2	45.7
Imp. (K)	10.3	12.5	12.3
R_{TOTAL} (K)	73.6	140.2	137.3

I_s and S_s are the moment of inertia and section modulus of the steel section.
 I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s .
VR is the maximum $\bar{Q} +$ Impact shear range in span.



SHEAR CONNECTORS
264 Req'd Each Beam



Beam Loc.	1	2	3	4	5	6
E. Brg. Pier 3	497.195	497.479	497.771	498.059	498.347	498.636
E. Pier 4	497.323	497.587	497.848	498.075	498.301	498.519
E. Splice #3	497.365	497.620	497.870	498.084	498.287	498.484
E. Pier 5	497.499	497.726	497.943	498.091	498.217	498.331
E. Splice #4	497.548	497.764	497.969	498.095	498.193	498.277
E. Pier 6	497.665	497.842	498.015	498.074	498.099	498.101
E. Splice #5	497.699	497.865	498.028	498.068	498.071	498.050
E. W. Brg. Pier 7	497.806	497.959	498.093	498.078	498.014	497.923

STRUCTURAL STEEL
SPANS 4, 5, 6 & 7
F.A.I. RT. 70 SEC. 26-3B-1(3) E.B.L
FAYETTE COUNTY
STATION 543A+92.91

DESIGNED: R.K. Madsen
CHECKED: James Ponce
DRAWN: W.A. Sausamon Jr.
EXAMINED: [Signature]
PASSED: [Signature]
DATE: July 20, 1972

I-2-C 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63 Rev. 8-1-70

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USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY
SCALE: SHEET NO. 10 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	231
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	#	FAYETTE	60	29
SHEET NO. 17 29 SHEETS				

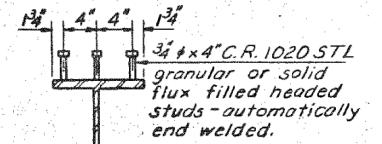
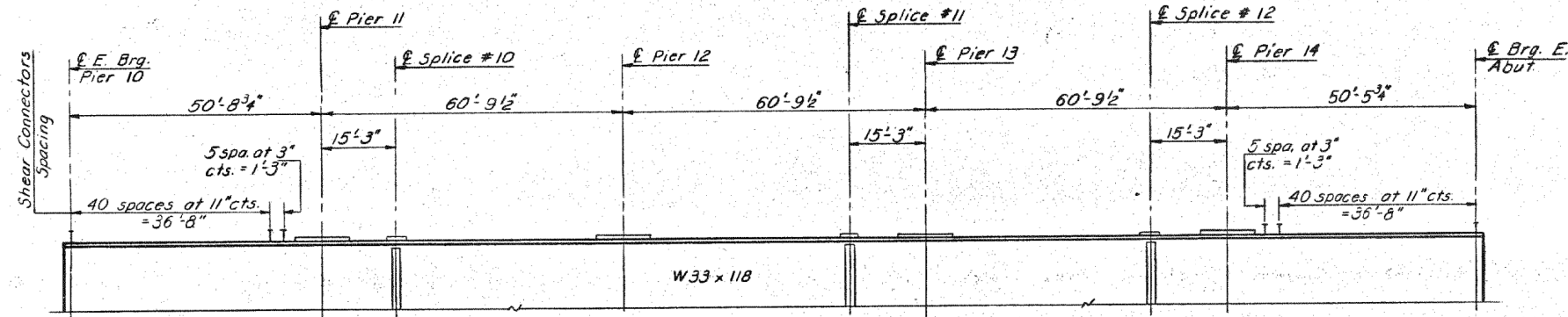
INTERIOR BEAM MOMENT TABLE

	0.4 Sp. 11	Pier 11	0.5 Sp. 12	Pier 12	0.5 Sp. 13
I_s (in ⁴)	5900	8446	5900	8446	5900
I_c (in ⁴)	15933				
S_s (in ³)	359	514	359	514	359
S_c (in ³)	530				
Q (1/1)	0.863	1.317	1.317	1.317	1.317
M_p (1K)	157	431	181	425	183
$F_s p$ (KSI)	5.3	10.1	6.1	9.9	6.1
$S p$ (1/1)	0.454				
$M_s p$ (1K)	90				
M_k (1K)	366	273	310	307	318
M_{imp} (1K)	104	76	83	83	85
TOTAL (1K)	560	349	393	390	403
$F_s \frac{1}{2} + S p$ (KSI)	12.7	8.2	13.2	9.1	13.5
F_s TOTAL (KSI)	18.0	18.3	19.3	19.0	19.6
VR (K)	54.6				

INTERIOR BEAM REACTION TABLE

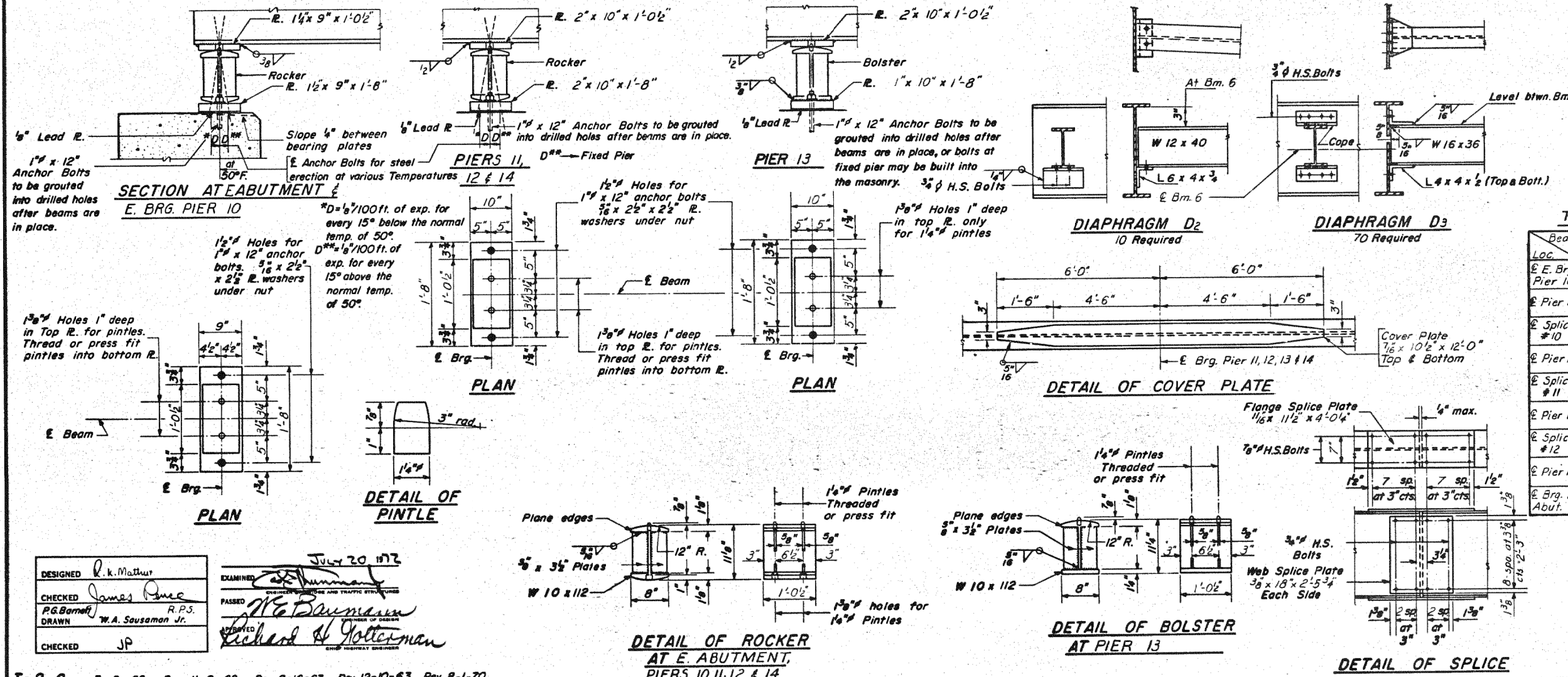
	Pier 10	Pier 11	Pier 12
R_p (K)	25.5	82.4	79.9
R_k (K)	37.4	45.5	46.4
Imp. (K)	10.6	12.6	12.5
R_{TOTAL} (K)	73.5	140.5	138.8

I_s and S_s are the moment of inertia and section modulus of the steel section.
 I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s .
VR is the maximum $\frac{1}{2}$ + Impact shear range in span.



SHEAR CONNECTORS
276 Req'd. Each Beam

ELEVATION



TOP OF FLANGE ELEVATIONS

Beam Loc.	1	2	3	4	5	6
E. Brg. Pier 10	497.229	497.364	497.477	497.415	497.299	497.150
Pier 11	497.001	497.135	497.249	497.187	497.071	496.922
Splice #10	496.933	497.067	497.181	497.119	497.003	496.854
Pier 12	496.726	496.860	496.973	496.912	496.796	496.647
Splice #11	496.519	496.653	496.767	496.705	496.590	496.441
Pier 13	496.440	496.574	496.687	496.626	496.511	496.362
Splice #12	496.204	496.338	496.452	496.391	496.275	496.126
Pier 14	496.124	496.259	496.373	496.311	496.196	496.047
E. Brg. Abut.	495.865	496.000	496.114	496.052	495.937	495.788

STRUCTURAL STEEL
SPANS 11, 12, 13, 14 & 15
F.A.I. RT.70 SEC.26-3B-1(3)E.B.L.
FAYETTE COUNTY
STATION 543A+92.91

DESIGNED: R.K. Mathur
CHECKED: James P. R.P.S.
DRAWN: W.A. Sausaman Jr.
EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: [Signature]

I-2-C 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63 Rev. 8-1-70

PRINTED BY: ESCA CONSULTANTS, INC.



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

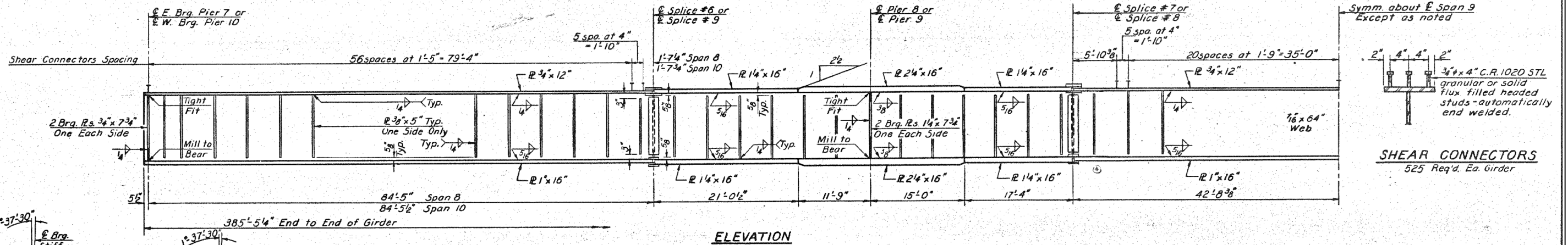
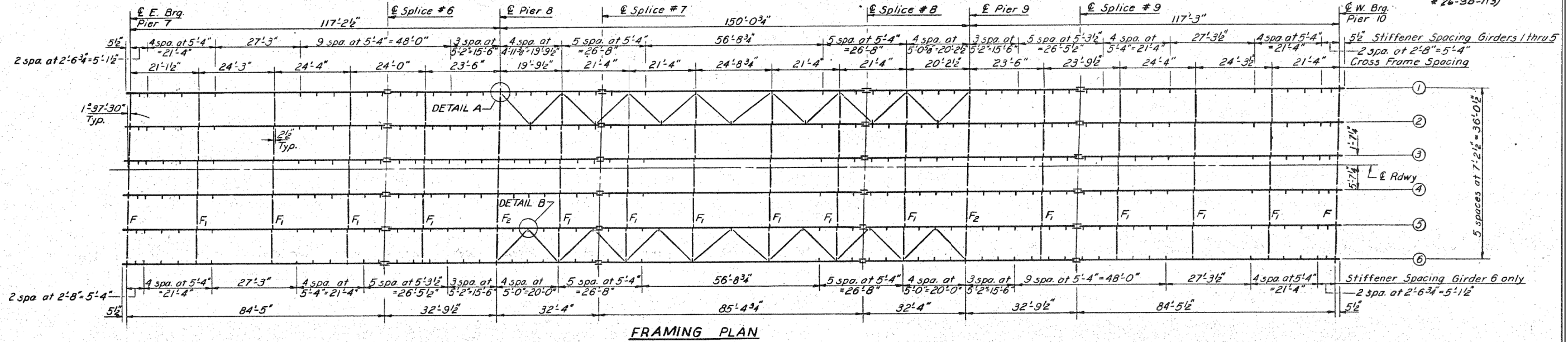
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY
SCALE: SHEET NO. 11 OF 23 SHEETS STA. TO STA.

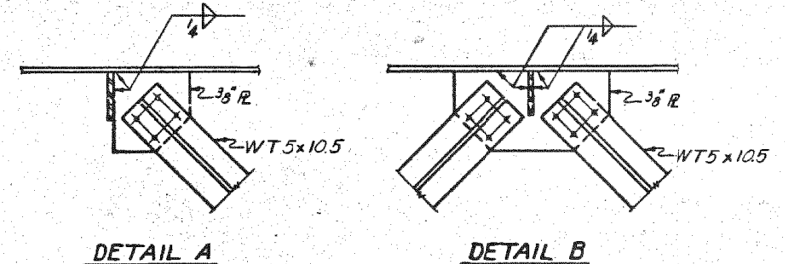
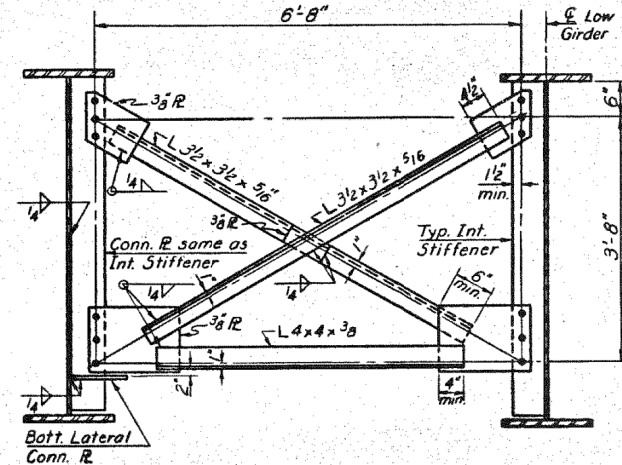
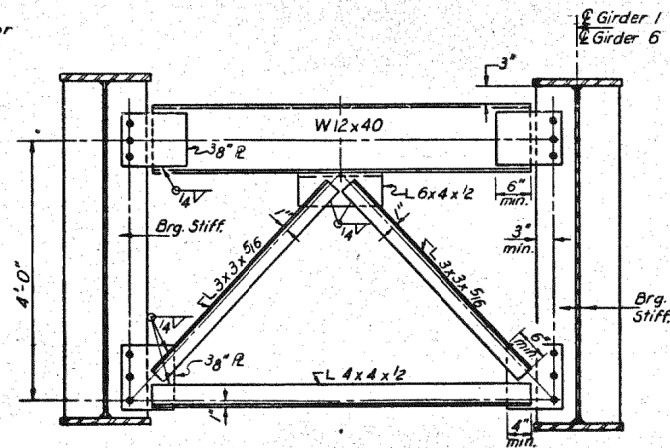
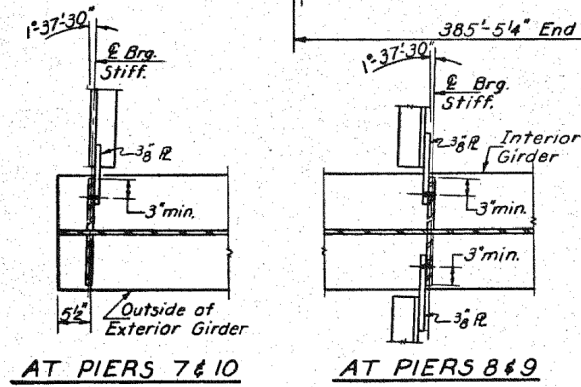
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	232
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 18 29 SHEETS
#	FAYETTE	60	30	
PROJECT NO.	26-38-1(3)			



SHEAR CONNECTORS
525 Req'd. Ea. Girder



Notes:
Use intermediate stiffeners on only one side of web as indicated on Framing Plan.
Do not weld first stiffener each side of field splice to flange.

STRUCTURAL STEEL
SPANS 8, 9, & 10
F.A.I. RT.70 SEC.26-38-1(3)E.B.L.
FAYETTE COUNTY
STATION 543A +92.91

DESIGNED: R.K. Mathur
CHECKED: James Ponce
DRAWN: R.P. Summer
CHECKED: JP

EXAMINED: [Signature]
PASSED: [Signature]
[Signature]

DATE: 08/13



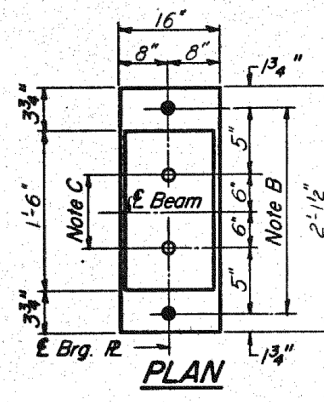
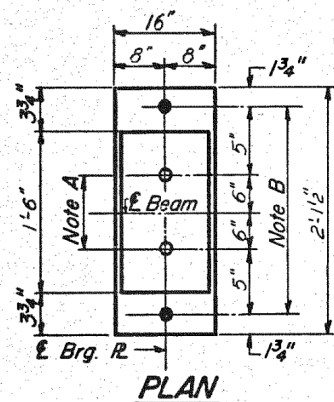
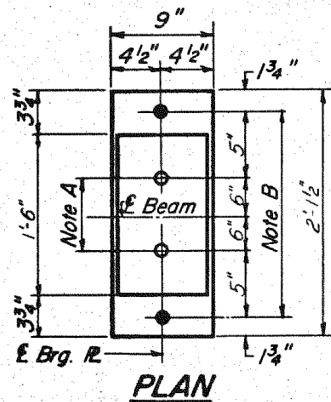
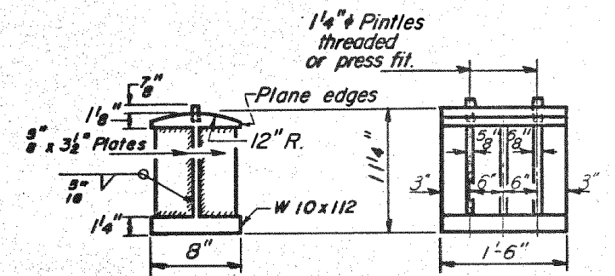
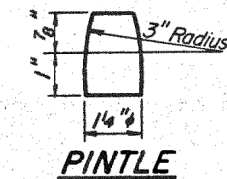
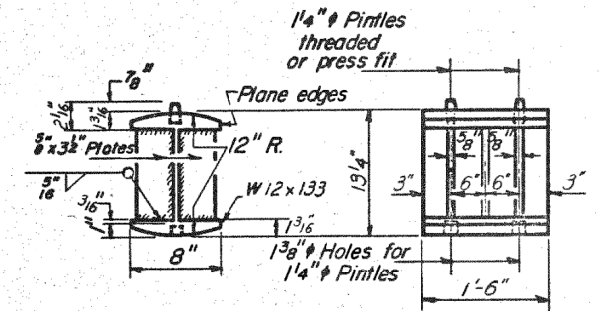
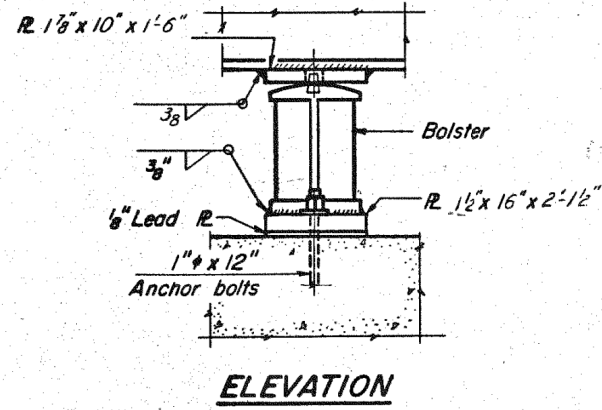
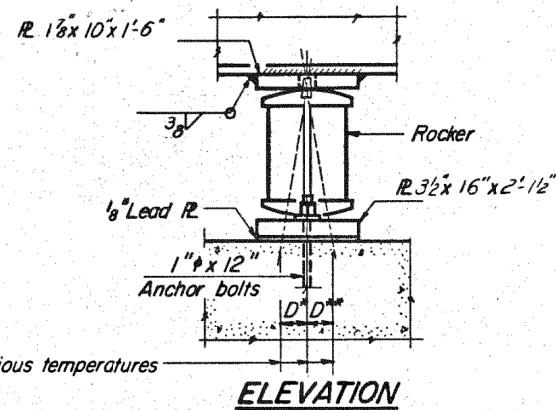
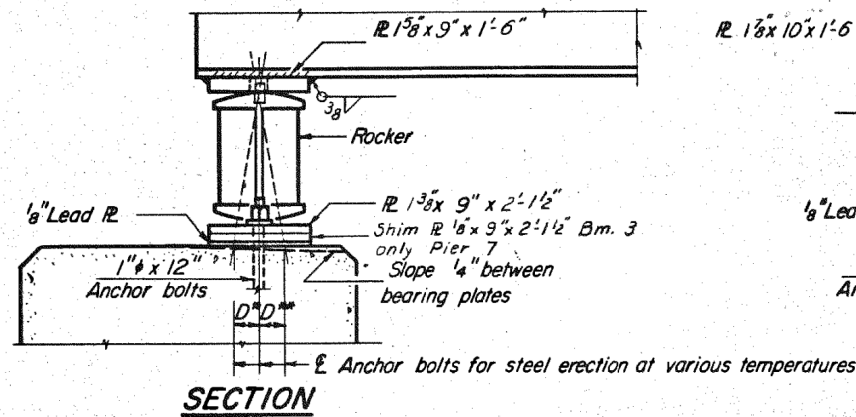
USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

SCALE: SHEET NO. 12 OF 23 SHEETS STA. TO STA.

F.A.I. RT. 70	SECTION (26-38-1, 38-1(3))BR	COUNTY FAYETTE	TOTAL SHEETS 277	SHEET NO. 233
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74175	



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

NOTE B
1 1/2" Holes for 1" anchor bolts. 1 1/8 x 2 1/2 x 2 1/2" R. Washers under nut.

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

BEARING ASSEMBLY DETAILS

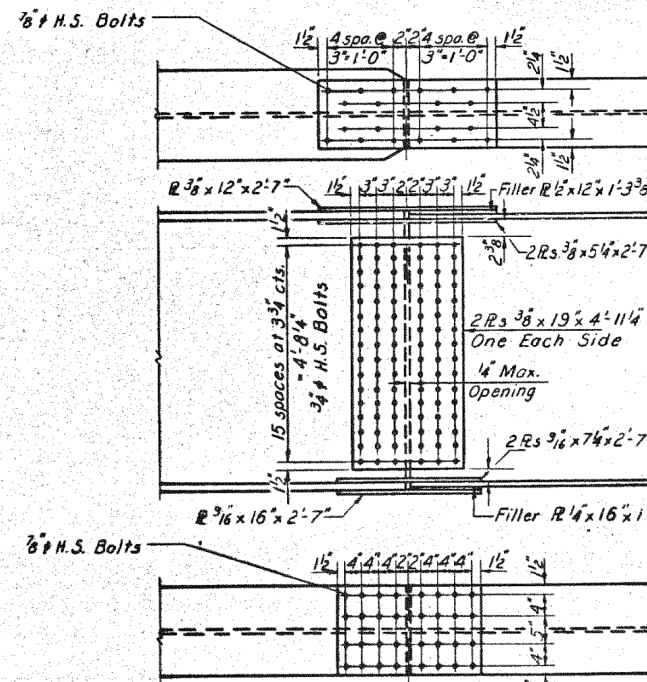
NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

- 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.

	0.4 Sp. 8	Pier 8	0.5 Sp. 9
I_s (in ⁴)	34895	88580	34895
I_c (in ⁴)	85862		85862
S_s (in ³)	1216	2587	1216
S_c (in ³)	1653		1653
e (in)	.969	1.449	.995
M_e (in-k)	782	2904	706
$f_s e$ (ksi)	7.7	13.5	7.0
S_e (in ³)	.454		.454
$M_{s e}$ (in-k)	435		468
M_u (in-k)	1000	1113	1050
M_{imp} (in-k)	205	215	191
TOTAL (in-k)	1640	1328	1709
$f_s e + S_e$ (ksi)	11.9	6.2	12.4
f_s TOTAL (ksi)	19.6	19.7	19.4
VR (k)	56.7		51.2

	Pier 7	Pier 8
R_e (k)	59.4	217.3
R_u (k)	42.6	83.2
Imp. (k)	8.9	16.2
R TOTAL (k)	110.9	316.7

I_s and S_s are the moment of inertia and section modulus of the steel section.
 I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s .
VR is the maximum 1/4 Impact shear range.



Gir. LOC.	1	2	3	4	5	6
E. Brg. Pier 7	497.743	497.896	498.031	498.015	497.951	497.860
E Splice #6	497.646	497.779	497.892	497.830	497.714	497.564
E Pier 8	497.625	497.758	497.871	497.809	497.692	497.543
E Splice #7	497.601	497.734	497.847	497.785	497.668	497.519
E Splice #8	497.479	497.613	497.726	497.664	497.548	497.398
E Pier 9	497.382	497.516	497.629	497.567	497.451	497.301
E Splice #9	497.297	497.431	497.544	497.482	497.366	497.216
E W. Brg. Pier 10	497.166	497.301	497.414	497.352	497.236	497.087

SPLICES #6, #7, #8 & #9

**STRUCTURAL STEEL
SPANS 8, 9, & 10
F.A.I. RT 70 SEC. 26-3B-1(3) E.B.L.
FAYETTE COUNTY
STATION 543A+92.91**

DESIGNED R.K. Mathur
CHECKED James Ponce
R.P.S.
DRAWN P.G. Barnett
CHECKED JP

EXAMINED
PASSED
APPROVED

I-2-B 9-1-65, 8-1-70



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:16:43 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

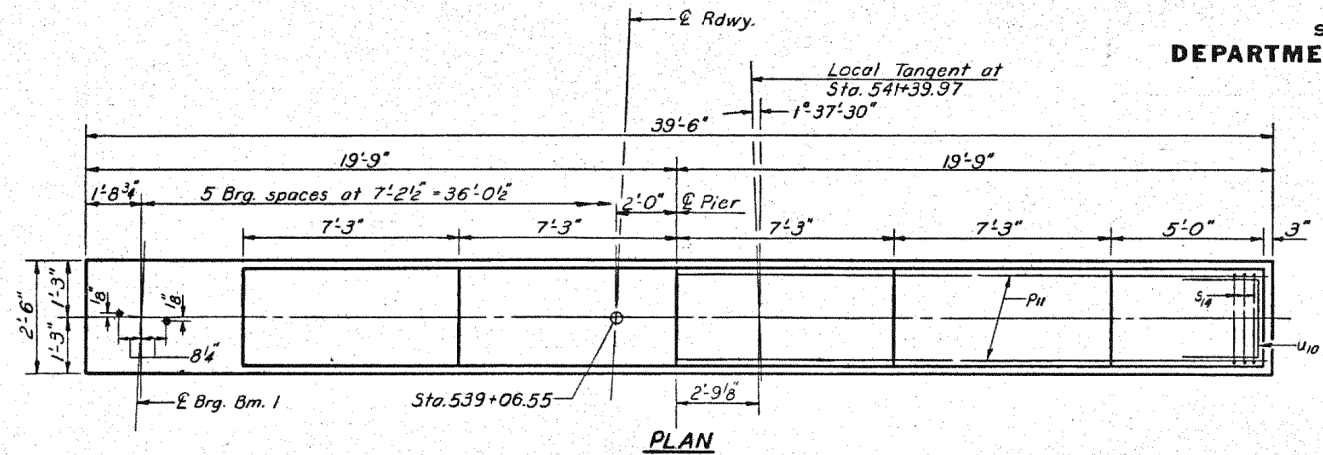
SCALE: SHEET NO. 13 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	234
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 74175	

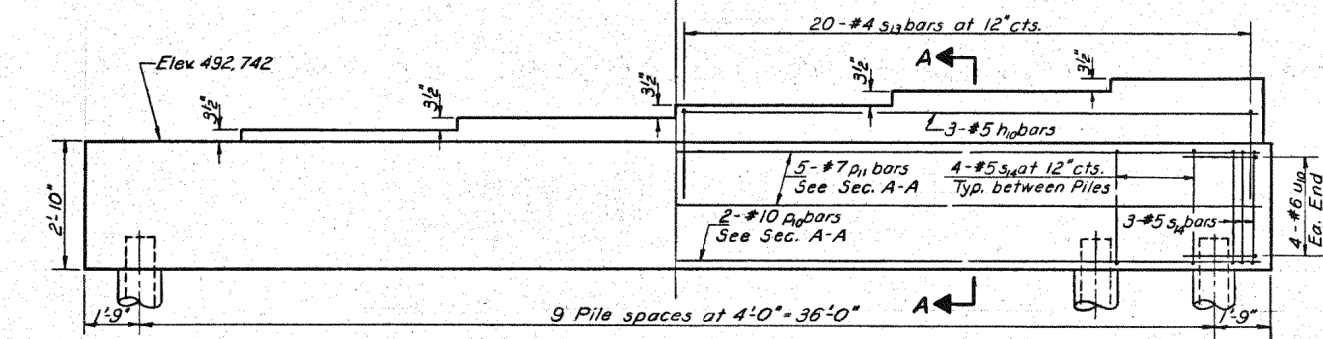
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RT. 70	#	FAYETTE	60	34
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT # 26-3B-1(3)				

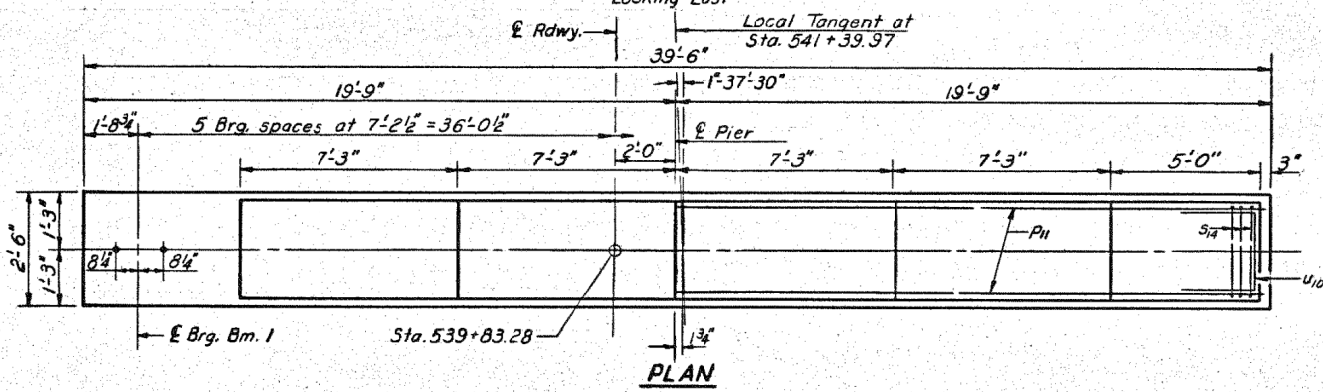
SHEET NO. 22
29 SHEETS



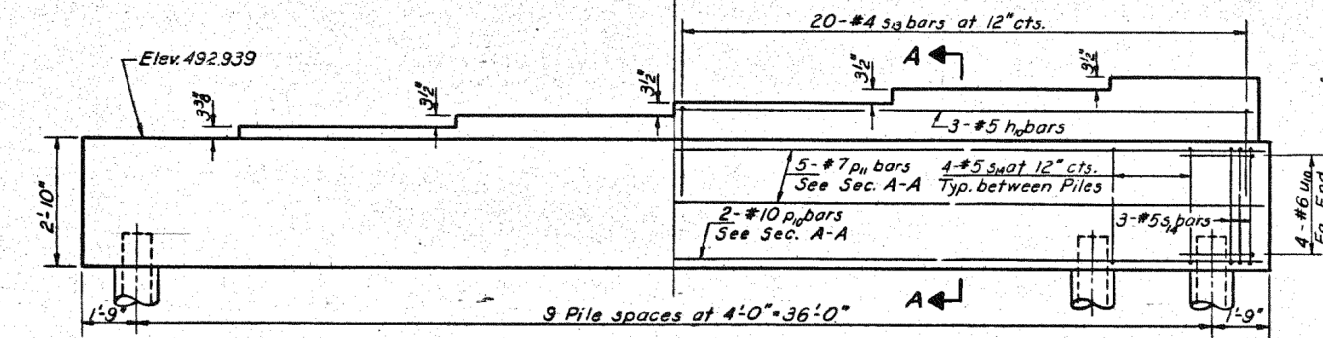
PLAN



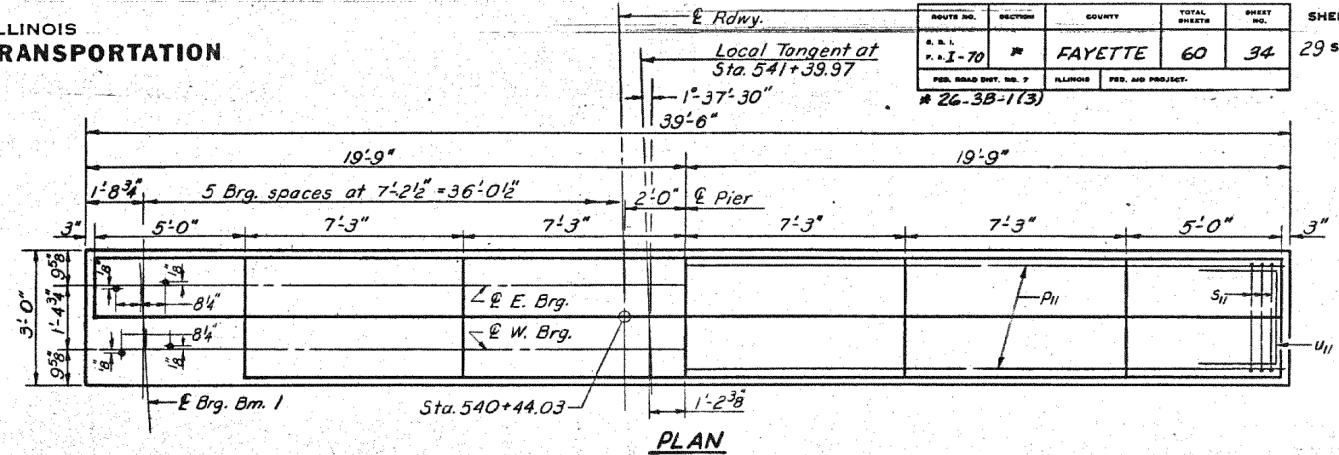
ELEVATION PIER 1
Looking East



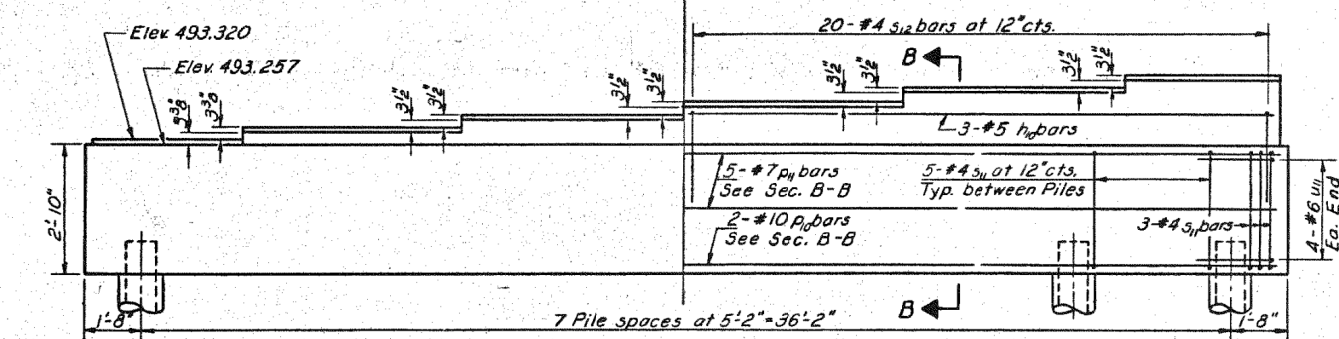
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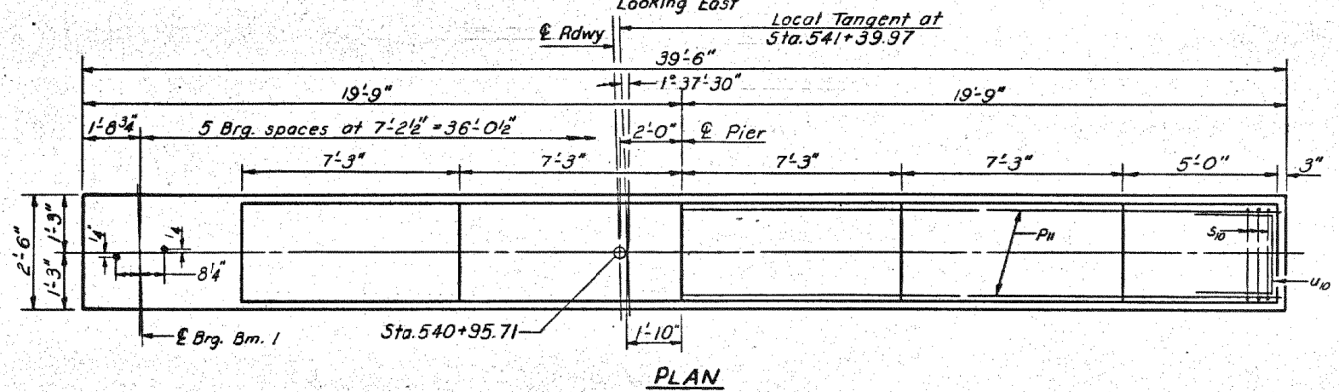
ELEVATION PIER 2
Looking East



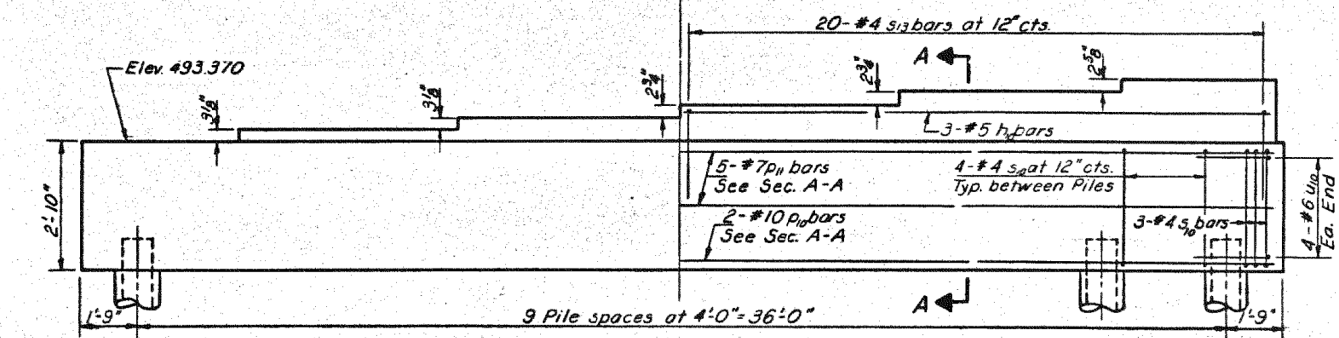
PLAN



ELEVATION PIER 3
Looking East



PLAN



ELEVATION PIER 4
Looking East

DESIGNED	R. K. Mathur
CHECKED	James Pene
DRAWN	R. P. Summer
CHECKED	JP

EXAMINED	July 20 1972
PASSED	W. G. Baumann
APPROVED	Richard A. Holtzman

NOTES: For Bill of Material, bar details, Sec A-A & Sec. B-B & Pile Data see sheet #24

PIERS 1,2,3 & 4
F.A.I. RT. 70 SEC. 26-3B-1(3) E.B.L.
FAYETTE COUNTY
STATION 543A+92.91

PRINT DRIVER: LEO S. BARON
SCALE: 1/4\"/>



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667 / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:17:09 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

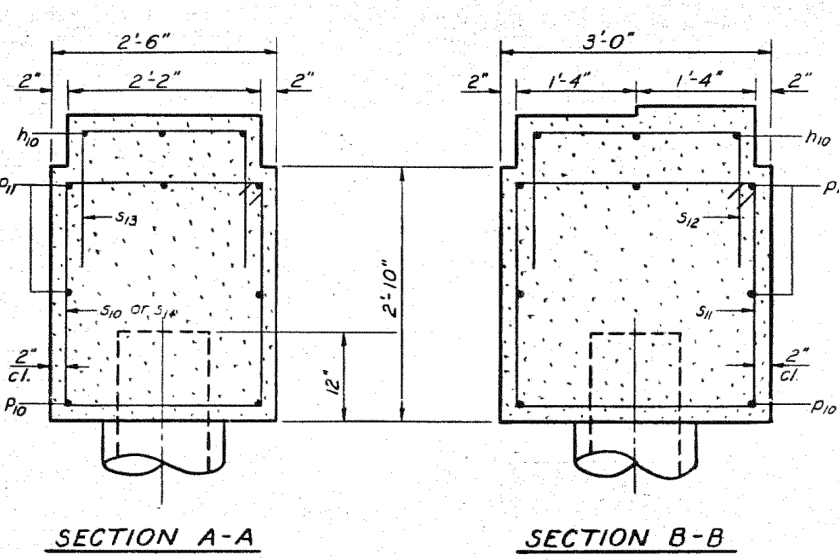
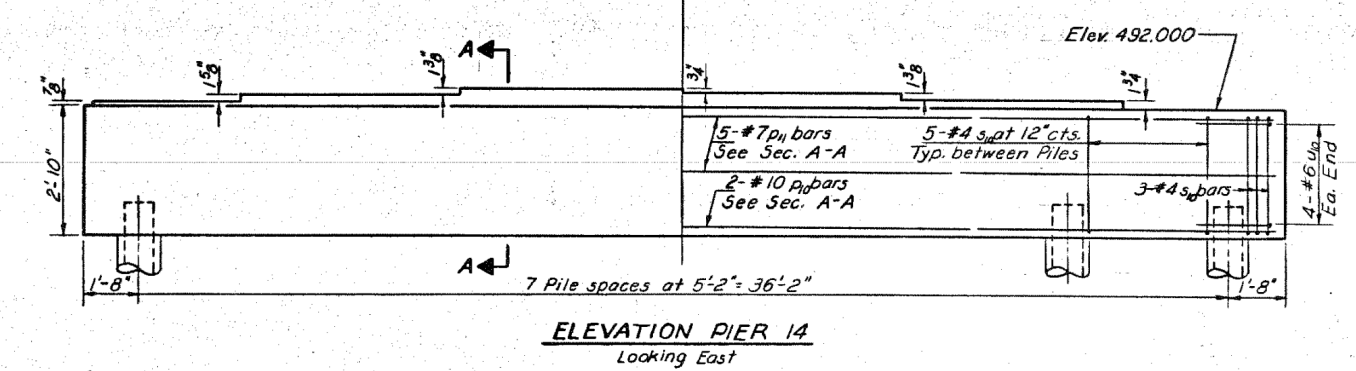
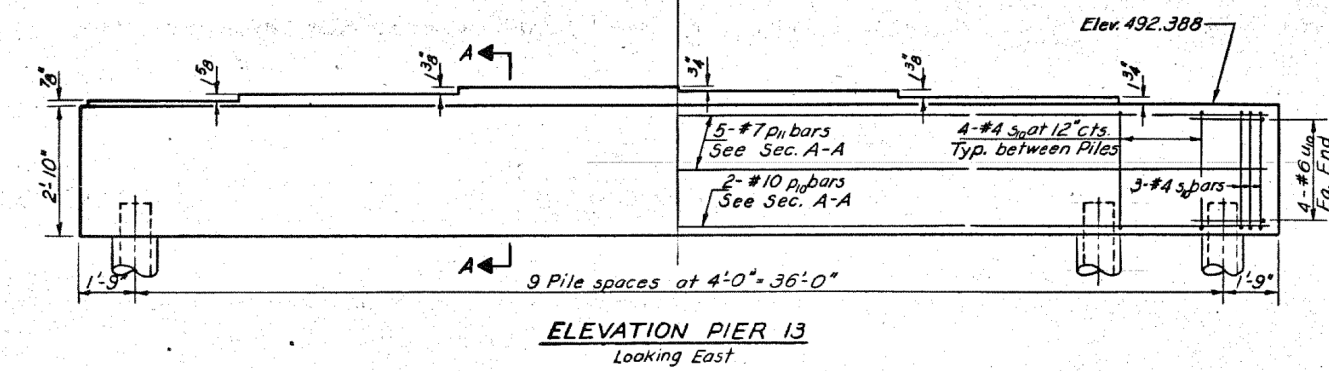
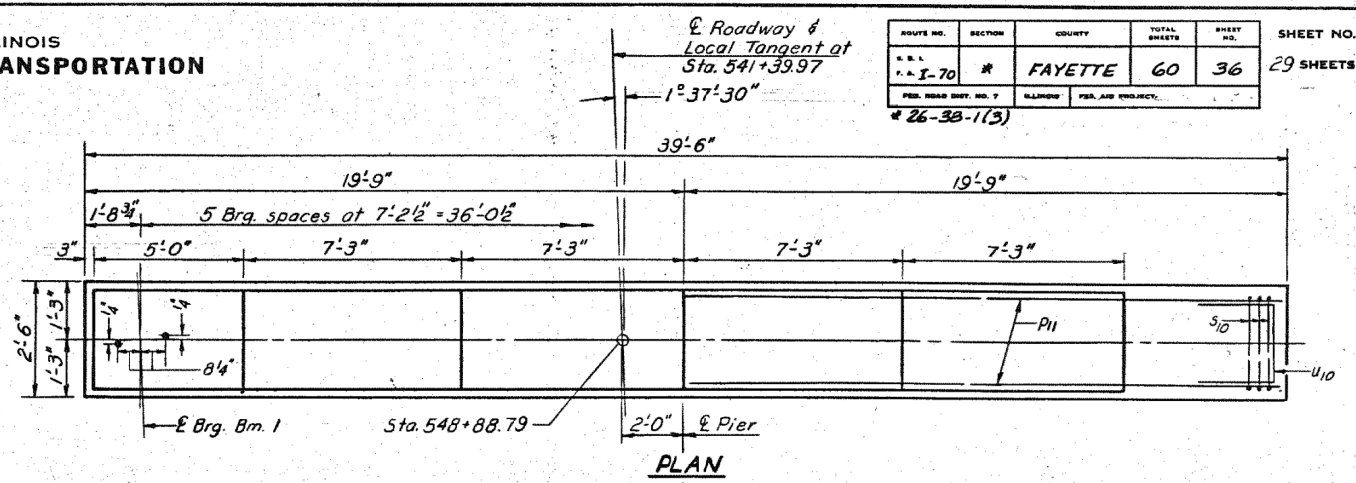
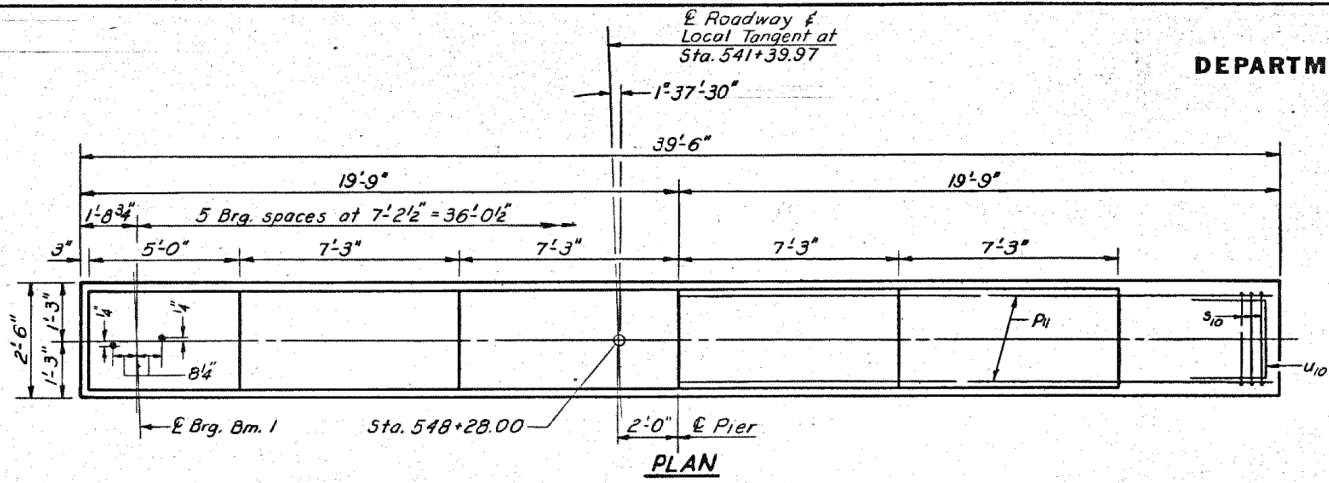
STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

SCALE: SHEET NO. 16 OF 23 SHEETS STA. TO STA.

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	237
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 24
F.A.I. 70	*	FAYETTE	60	36	29 SHEETS
* 26-3B-1(3)					

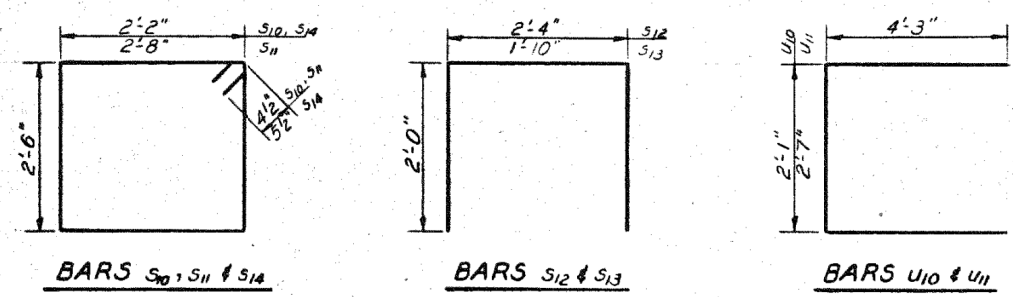


PILE DATA

Pier No.	Type	Capacity	Length	No. Req'd.
1	Metal Shell (16")	45 Tons	70'	9+1 Test Pile
2	Metal Shell (16")	45 Tons	68'	10
3	Metal Shell (16")	45 Tons	68'	7+1 Test Pile
4	Metal Shell (16")	37 Tons	66'	10
5	Metal Shell (16")	45 Tons	72'	7+1 Test Pile
6	Metal Shell (16")	45 Tons	70'	8
11	Metal Shell (16")	45 Tons	78' 6"	8
12	Metal Shell (16")	45 Tons	78' 6"	8
13	Metal Shell (16")	37 Tons	78' 6"	9+1 Test Pile
14	Metal Shell (16")	45 Tons	78' 5"	8

TEN PIERS
BILL OF MATERIAL

Bar No.	No.	Size	Length	Shape
n0	12	#5	19'-3"	—
p10	20	#10	39'-3"	—
p11	50	#7	39'-3"	—
s10	289	#4	10'-1"	□
s11	41	#4	11'-1"	□
s12	20	#4	6'-4"	□
s13	60	#4	5'-10"	□
s14	64	#5	10'-3"	□
u10	72	#6	10'-7"	□
u11	8	#6	11'-1"	□
Class X Concrete			Cu. Yds.	115.2
Reinforcement: Bars			Los	12370
Metal Shell			Lt. Ft.	6001
Test Piles (Metal Shell)			Each	4
Class X Concrete Encasement			Cu. Yds.	164.8



PIERS 13 & 14
F.A.I. RT. 70 SEC. 26-3B-1(3) E.B.L.
FAYETTE COUNTY
STATION 543A+9291

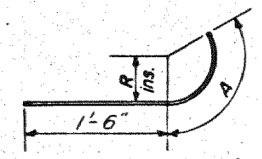
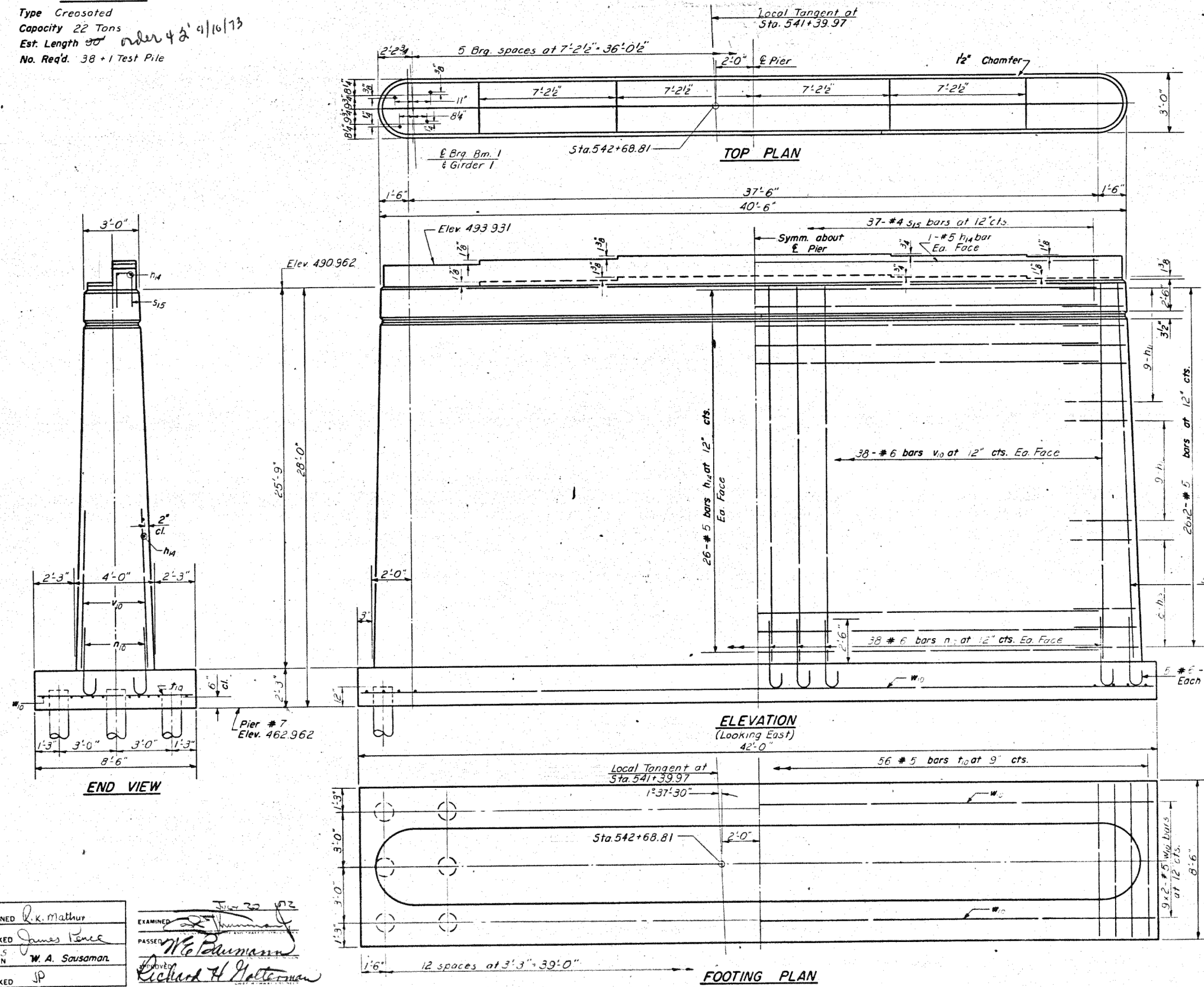
DESIGNED R.K. Mathur
CHECKED James Ponce
DRAWN R.P. Summer
CHECKED JP

EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

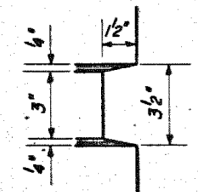
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 25
F.A. I-70	#	FAYETTE	60	37	29 SHEETS
*26-3B-1(3)					

PILE DATA
Type Creosoted
Capacity 22 Tons
Est. Length *order 42' 4/10/13*
No. Req'd. 38 + 1 Test Pile

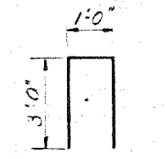


DETAIL OF BARS

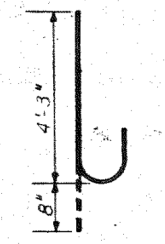
Bar	R	A
h ₁₁	1'-4"	2'-2"
h ₁₂	1'-6"	3'-0"
h ₁₃	1'-8"	3'-4"



NOTCH DETAIL



BAR s₁₅



BAR n₁₀

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₁₁	36	#5	4'-2"	U
n ₁₂	36	#5	4'-6"	U
n ₁₃	32	#5	4'-10"	U
n ₁₄	54	#5	37'-6"	—
n ₁₀	26	#6	4'-11"	C
s ₁₅	37	#3	7'-0"	□
t ₁₀	56	#5	8'-3"	—
v ₁₀	86	#6	25'-6"	—
w ₁₀	18	#5	22'-6"	—
Class A Concrete		Cu. Yds.	109.8	
Reinforcement Bars		Lbs.	72.0	
Creosoted Piles		Lbs.	1142	
Test Piles (Timber)		Each	1	

PIER 7
F.A. I. RT. 70 SEC. 26-3B-1(3) E.B.L.
FAYETTE COUNTY
STATION 543A+92.91

DESIGNED: R.K. Mathur
CHECKED: James Pence
DRAWN: W.A. Sousaman
EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: Richard H. Halterman

P-1 Re-drawn 7-21-59 Rev. 11-25-59



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:17:36 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

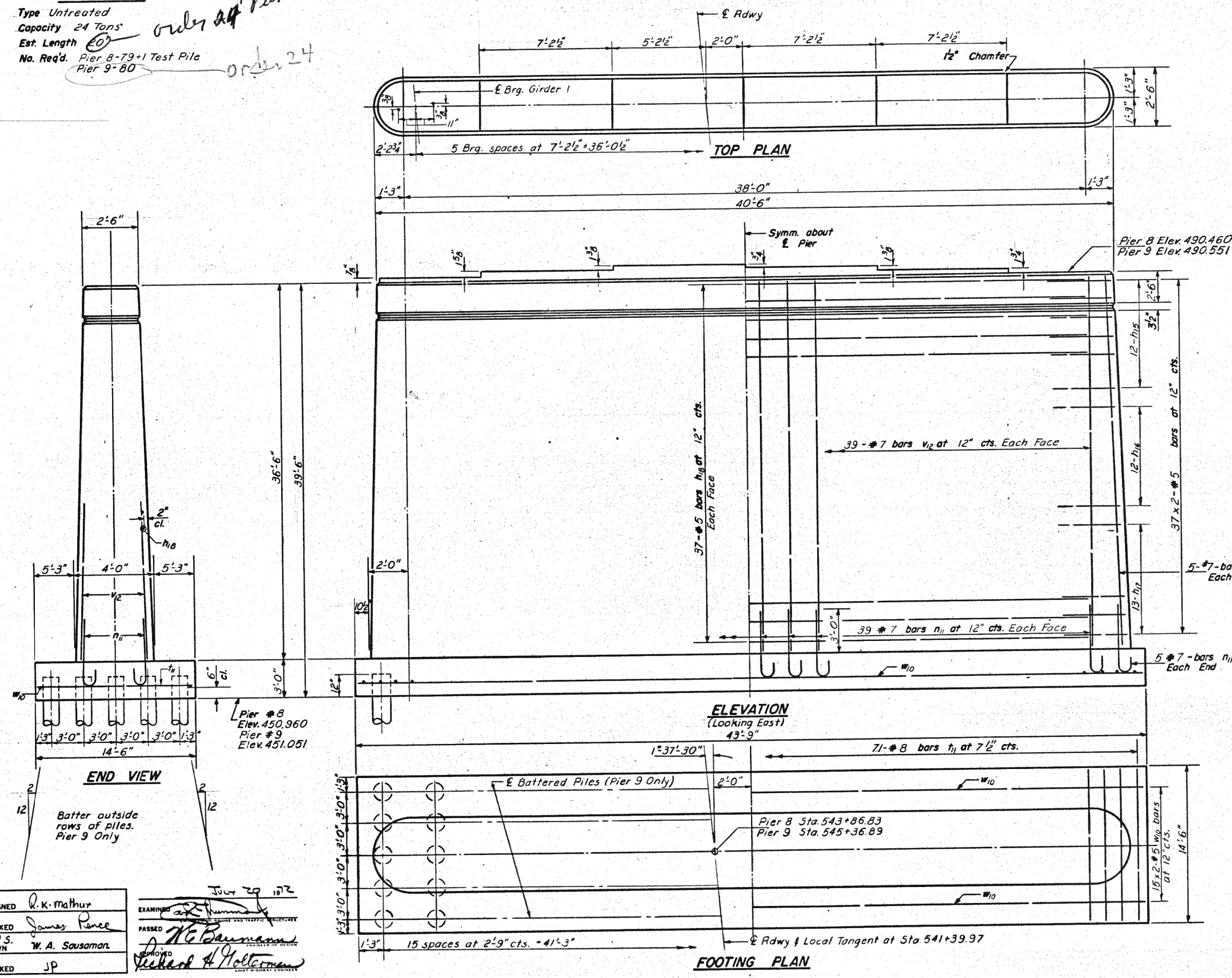
SCALE: SHEET NO. 19 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	240
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-70	#	FAYETTE	60	38
SHEET NO. 26 29 SHEETS				

PILE DATA
Type Untreated
Capacity 24 Tons
Est. Length 20'
No. Req'd. Pier 8-79+1 Test Pile
Pier 9-80
order 24' Piers # 8
order 24



Bar	R	A
h ₁₅	1'-1"	2'-4"
h ₁₆	1'-4"	2'-9"
h ₁₇	1'-7"	3'-2"

**TWO PIERS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h ₁₅	96	#5	3'-10"	U
h ₁₆	96	#5	4'-3"	U
h ₁₇	104	#5	4'-8"	U
h ₁₈	148	#5	38'-0"	—
n ₁₁	176	#7	6'-3"	C
n ₁	142	#8	14'-3"	—
v ₁₂	176	#7	36'-3"	—
w ₁₀	60	#5	22'-6"	—
Class A Concrete		Cu. Yds.	495.2	
Reinforcement Bars		Lbs.	29280	
Untreated Piles		Lin. Ft.	3180	
Test Piles Timber		Ea.	1	

PIERS 8 & 9
F.A.I. RT. 70 SEC. 26-3B-1(3) E.B.L.
FAYETTE COUNTY
STATION 543A+92.91

DESIGNED R. K. Mathur
CHECKED James Pence
R.P.S. DRAWN W. A. Sausaman
CHECKED JP
EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]
July 29 1972



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

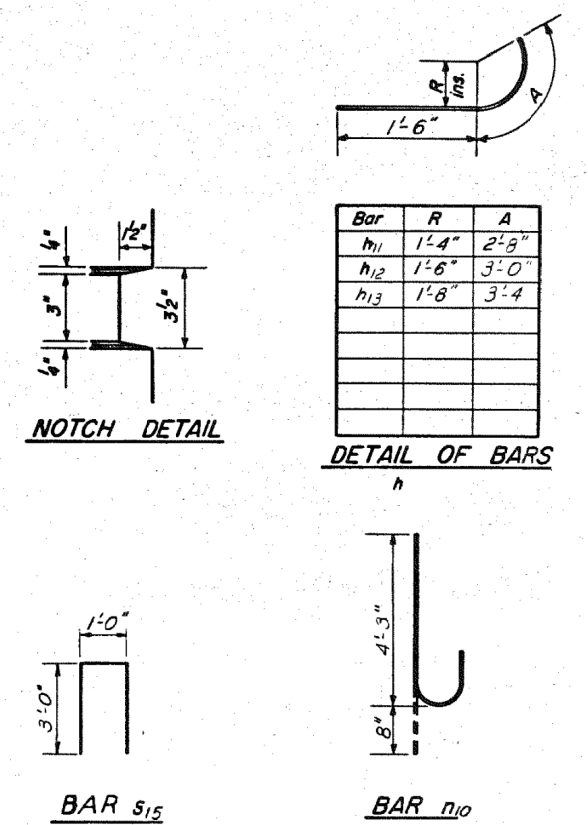
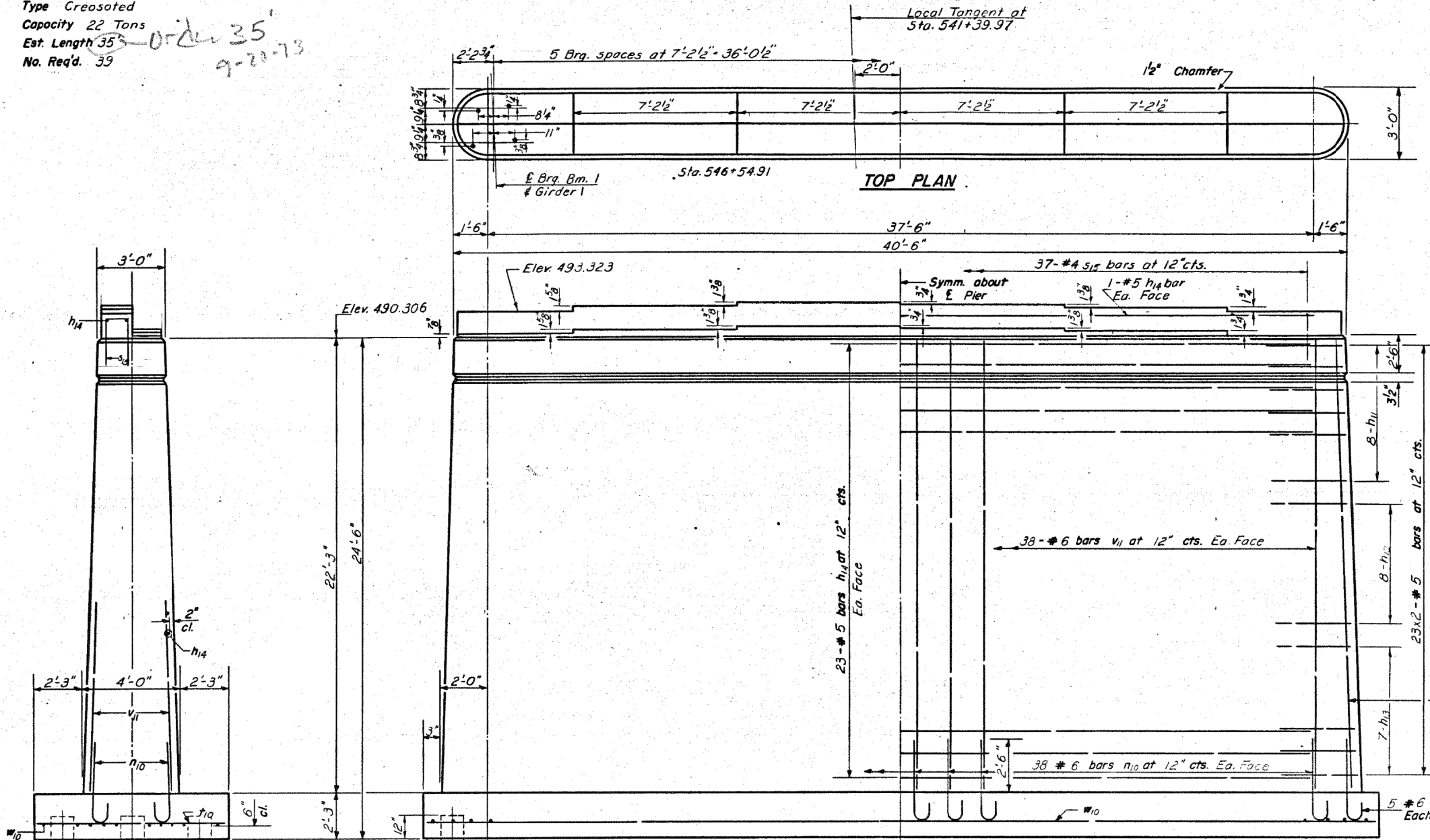
SCALE: SHEET NO. 20 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	241
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RT-70	#	FAYETTE	60	39
SHEET NO. 27				
29 SHEETS				
#26-38-1(3)				

PILE DATA
 Type Creosoted
 Capacity 22 Tons
 Est. Length 35'-0" *35'*
 No. Req'd. 39 *9-21-73*



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h11	32	#5	4'-2"	U
h12	32	#5	4'-6"	U
h13	28	#5	4'-10"	U
h14	48	#5	37'-6"	—
n10	86	#6	4'-11"	C
s15	37	#4	7'-0"	Π
t10	56	#5	8'-3"	—
v11	85	#6	22'-0"	—
w10	18	#5	22'-6"	—
Class A Concrete				Cu. Yds. 151.7
Reinforcement Bars				Lbs. 6860
Creosoted Piles				Ltr Ft 1365

DESIGNED *R. K. Mathur*
 CHECKED *James Ponce*
 R.P.S. DRAWN *W. A. Sausaman*
 CHECKED *JP*

EXAMINED *Richard H. Holterman*
 PASSED *Richard H. Holterman*
 APPROVED *Richard H. Holterman*

June 20 1972

PIER 10
 FAI RT 70 SEC. 26-38-1(3) E.B.L.
 FAYETTE COUNTY
 STATION 543A+92.91

P-1 Re-drawn 7-21-59 Rev. 11-25-59

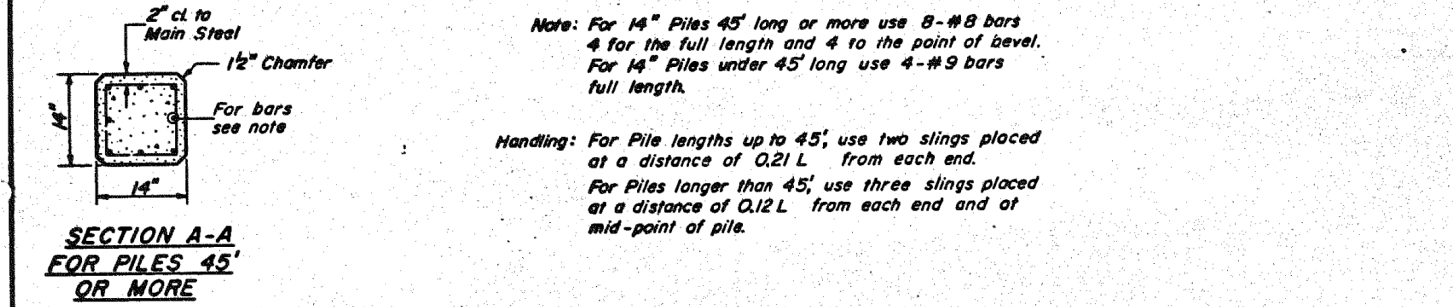
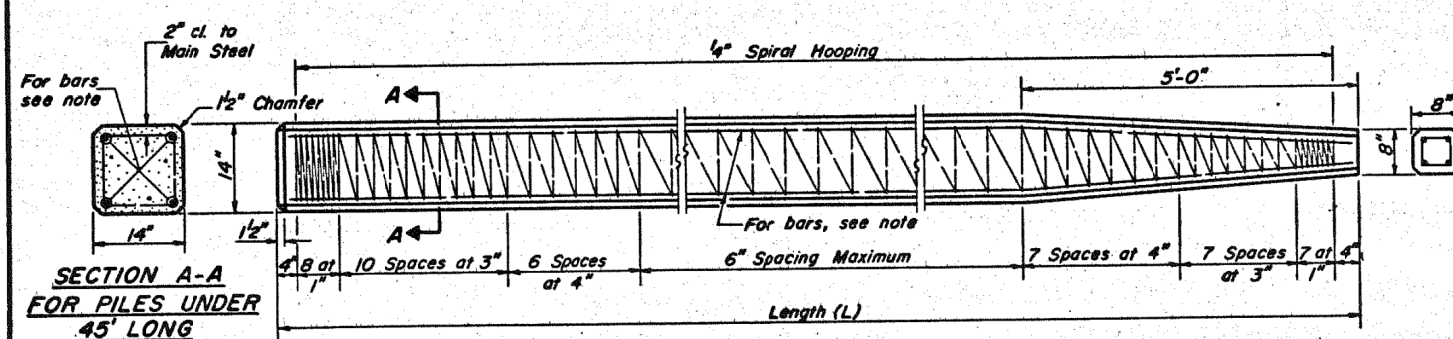
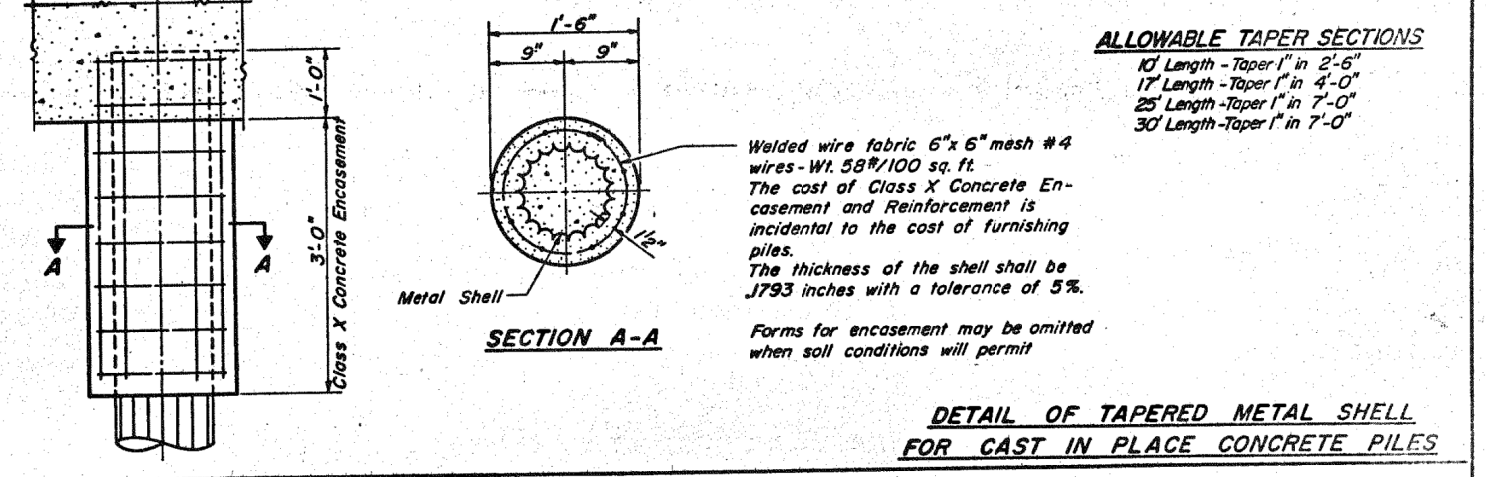
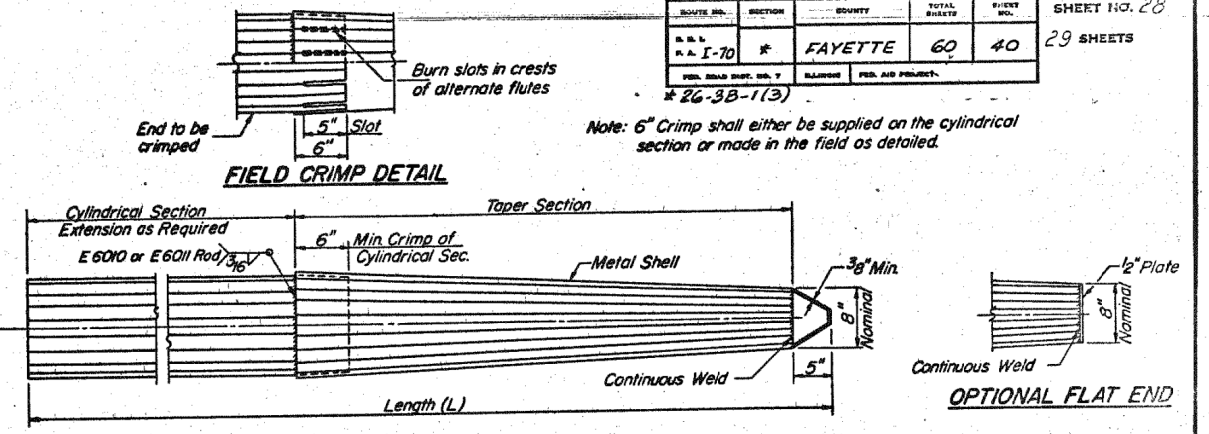
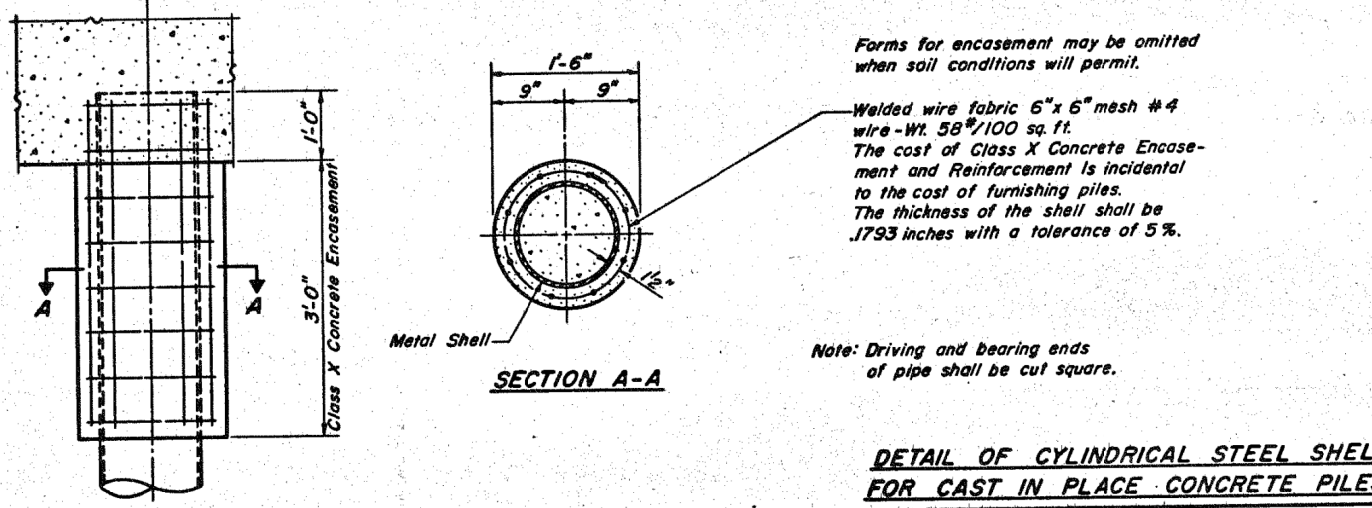
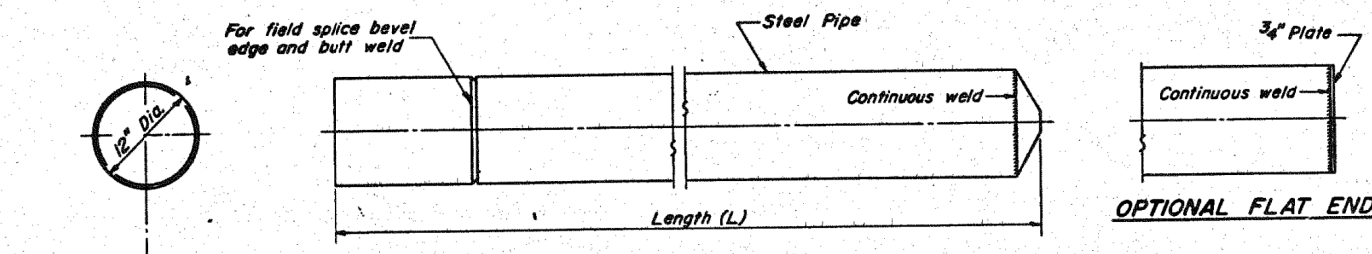


USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:17:52 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
 EB - FOR INFORMATION ONLY
 SCALE: SHEET NO. 21 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-38-1, 38-1(3))BR	FAYETTE	277	242
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DESIGNED R.K. Mathur

CHECKED James Pence

DRAWN R.P.S.

CHECKED JP

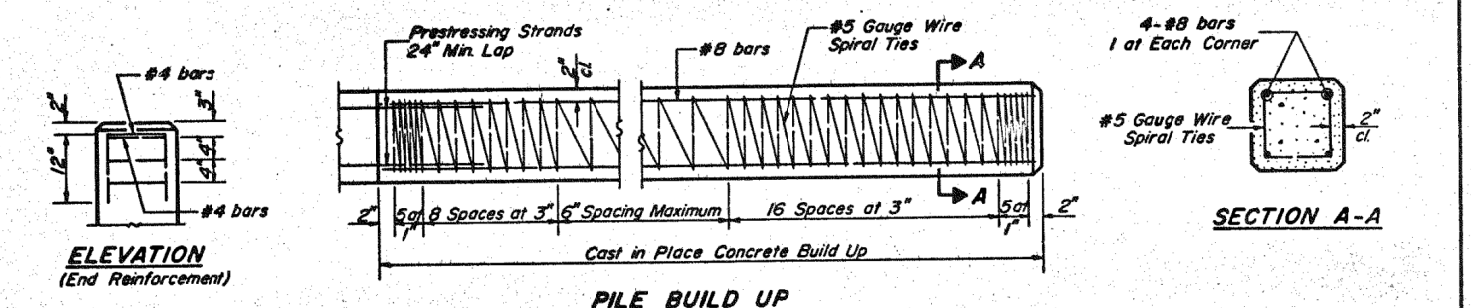
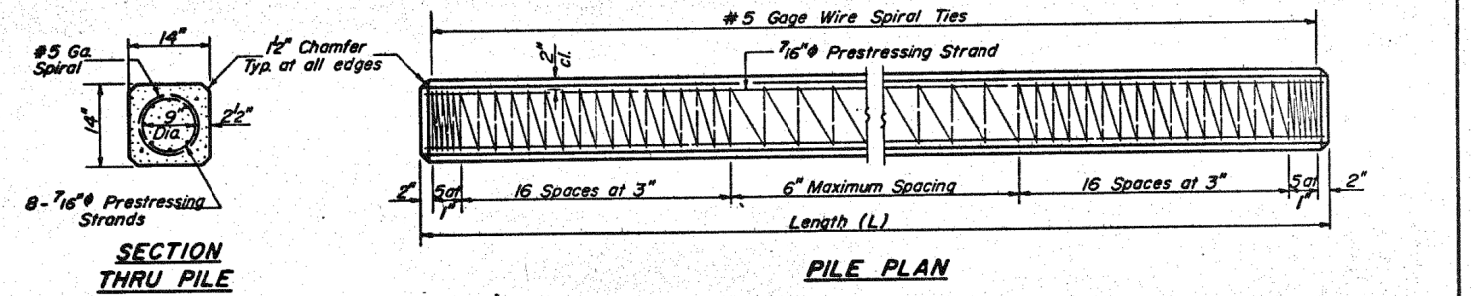
EXAMINED [Signature]

PASSED [Signature]

APPROVED [Signature]

DATE - 08/13

DETAIL OF PRECAST CONCRETE PILES



DESIGN STRESSES

f_c' = 5,000 psi.

f_t' = 4,000 psi.

f_s' = 268,000 psi. (31,000 lbs.)

f_{s1}' = 188,000 psi. (21,700 lbs.)

Note: Prestressing steel shall be non-galvanized extra high strength stress-relieved 7 wire strand. The nominal diameter shall be 7/16" and the minimum nominal cross-sectional area shall be 0.1155 square inch.

Handling: For pile lengths up to 65', use two slings placed at a distance of 0.21L from each end. For piles longer than 65', use three slings placed at a distance of 0.12L from each end at midpoint of pile.

FILE DETAILS

F.A.I. RT70 SEC 26-3B-1(3) E.B.L.

FAYETTE COUNTY

STATION 543A+92.91

DETAIL OF PRECAST PRESTRESSED CONCRETE PILES

X-2 2-14-69

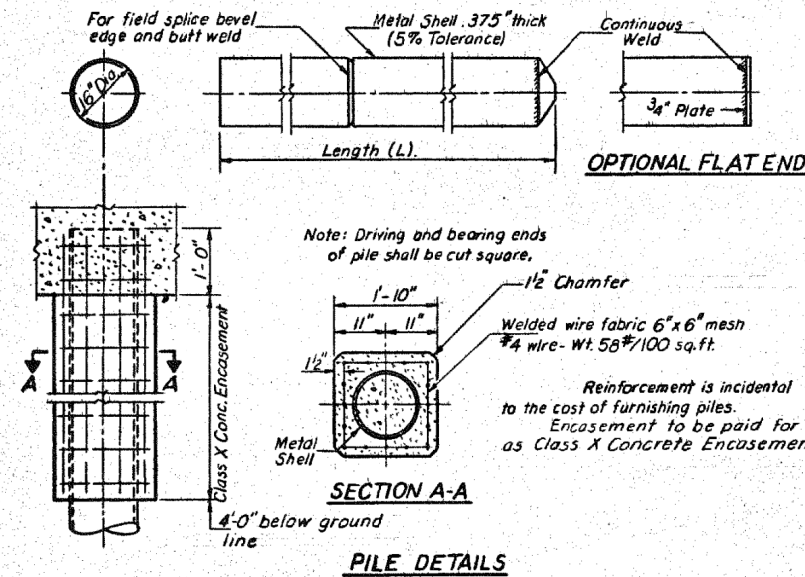


USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 29 29 SHEETS
F.A.I. RT. 70	#	FAYETTE	60	41	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

26-3B-1(3)



16" METAL SHELL PILE DETAILS
F.A.I. RT. 70 SEC. 26-3B-1(3) E.B.L.
FAYETTE COUNTY
STATION 543A+92.91

DESIGNED R.K. Mathur
CHECKED James Pence
DRAWN A.P.S.
CHECKED JP

EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]

July 20 1972

PRINT DRIVER: L:\02-EB\B\A\16
SCALE: 1/8" = 1'-0"
FILE NAME: D:\PLOT\16-223.dwg



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - RDP	REVISED -
PLOT DATE = 1/29/2014 2:18:09 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

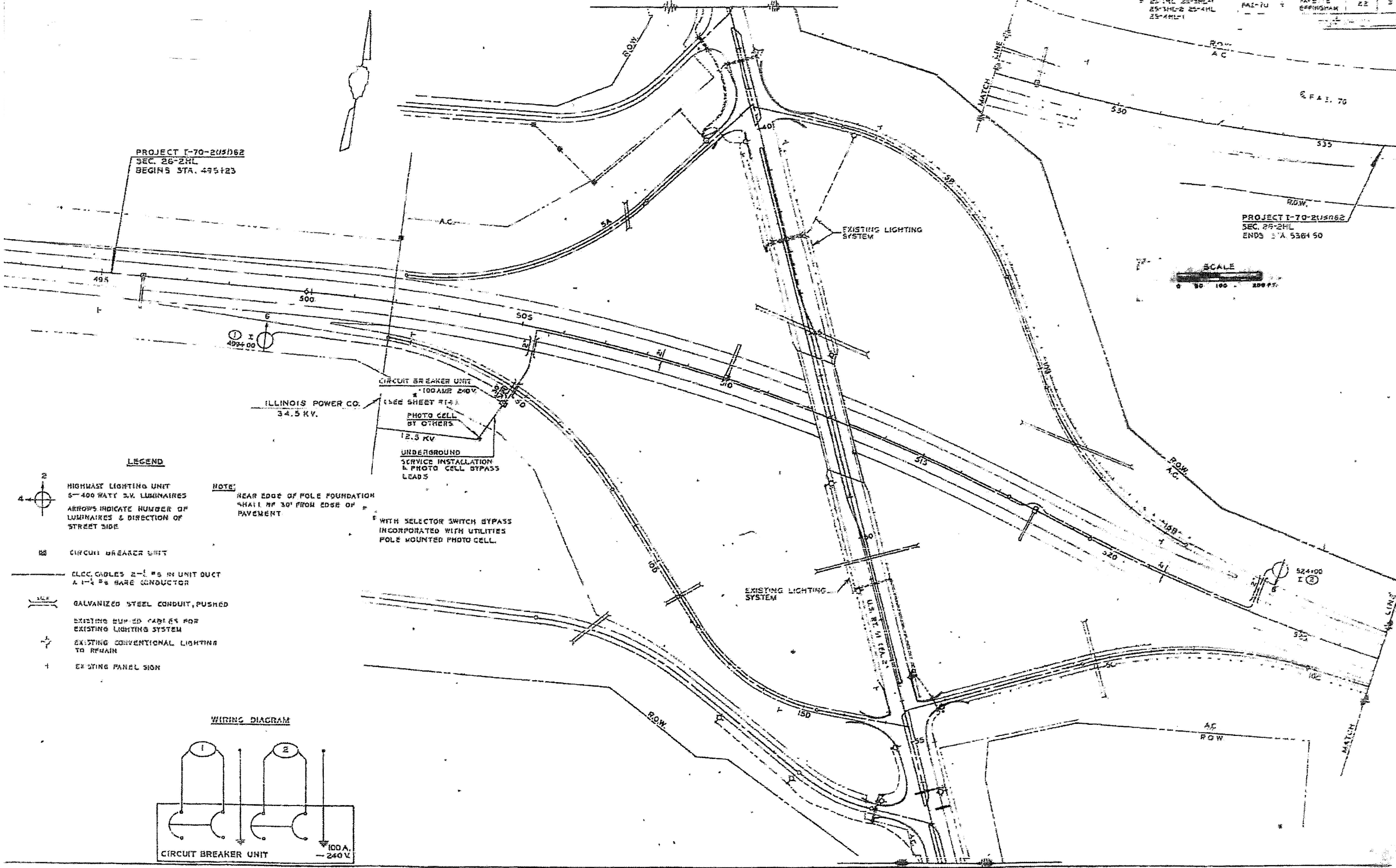
STRUCTURE NO. 026-0085 EXISTING BRIDGE PLANS
EB - FOR INFORMATION ONLY

SCALE: SHEET NO. 23 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	244
CONTRACT NO. 74175				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROJECT I-70-205162
 SEC. 26-2HL
 BEGINS STA. 495+23

PROJECT I-70-205162
 SEC. 25-2HL
 ENDS STA. 536+50



LEGEND

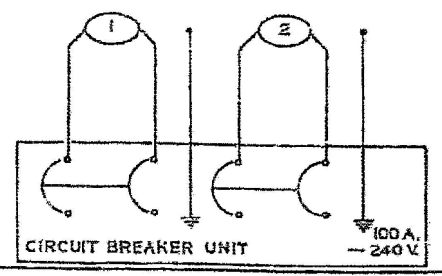
- HIGHMAST LIGHTING UNIT
S-400 WATT 2-V. LUMINAIRES
ARROWS INDICATE NUMBER OF LUMINAIRES & DIRECTION OF STREET SIDE
- CIRCUIT BREAKER UNIT
- ELEC. CABLES 2-# IN UNIT DUCT & 1-# BARE CONDUCTOR
- GALVANIZED STEEL CONDUIT, PUSHED
- EXISTING BURIED CABLES FOR EXISTING LIGHTING SYSTEM
- EXISTING CONVENTIONAL LIGHTING TO REMAIN
- EXISTING PANEL SIGN

NOTE:
 REAR EDGE OF POLE FOUNDATION SHALL BE 30' FROM EDGE OF PAVEMENT

CIRCUIT BREAKER UNIT
 * 100 AMP 240 V.
 (SEE SHEET #14)
 PHOTO CELL BY OTHERS
 12.5 KV
 UNDERGROUND SERVICE INSTALLATION & PHOTO CELL BYPASS LEADS

WITH SELECTOR SWITCH BYPASS INCORPORATED WITH UTILITIES POLE MOUNTED PHOTO CELL.

WIRING DIAGRAM



F.A.I. ROUTE 70 & U.S. ROUTE 51 INTERCHANGE

PRINT DRIVER - LEO E. BARNETT
 SCALE NAME - PLOT
 FILE NAME - I-70-205162-26-2HL-25-2HL-25-4HL-1

USER NAME - has	DESIGNED - MES	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
PLOT SCALE - 0/2" = 1' / IN.	CHECKED - MES	REVISED -
PLOT DATE - 1/29/2014 2:00:08 PM	DATE - 11/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

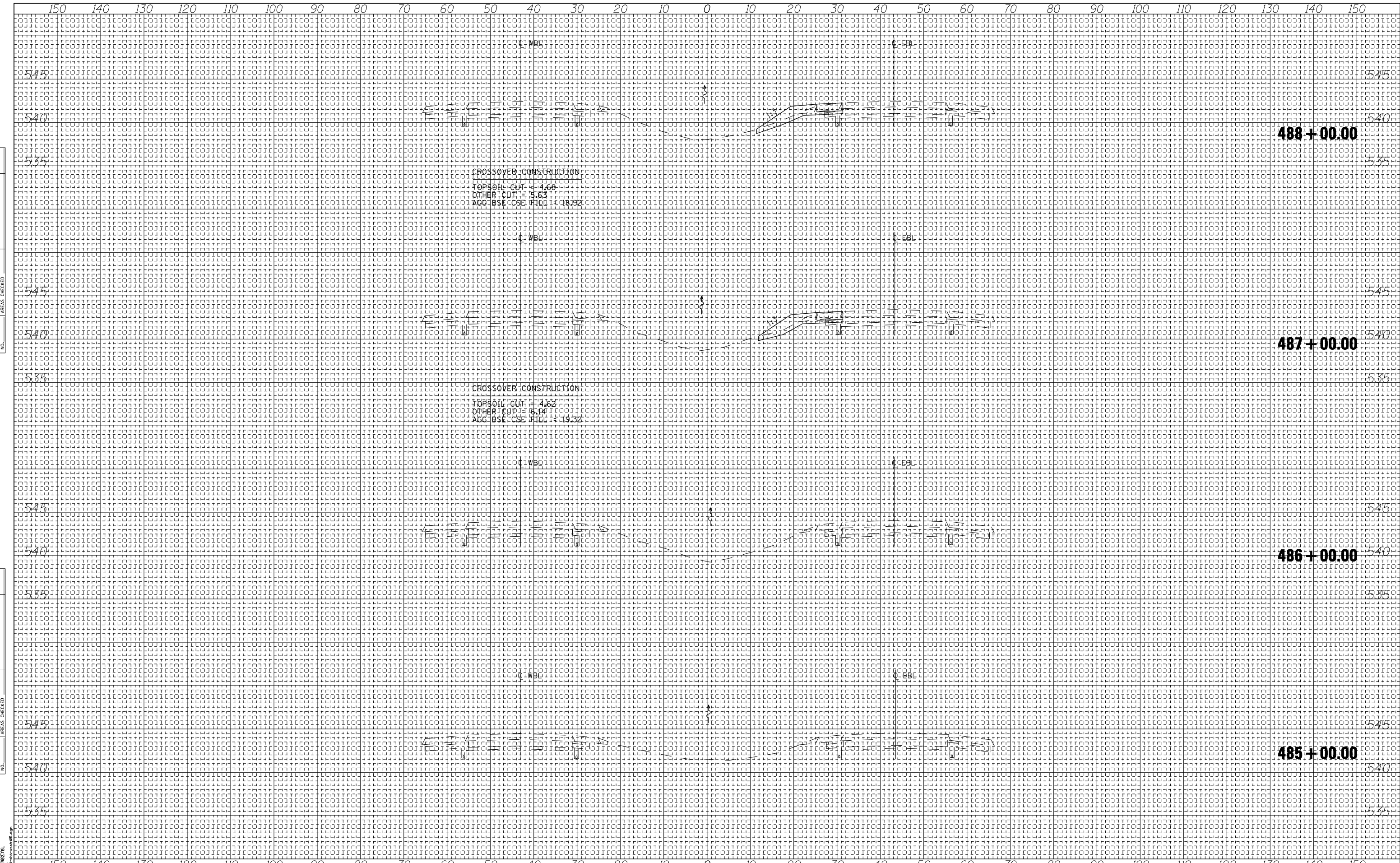
**EXISTING INTERCHANGE LIGHTING PLAN
 FOR INFORMATION ONLY**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	244A
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74175	

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	



PRINT DRIVER: L:\DLS\B\0417
 MODEL MAKE: HP
 FILE NAME: 1747475.dwg



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:25:14 PM	DATE - 08/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

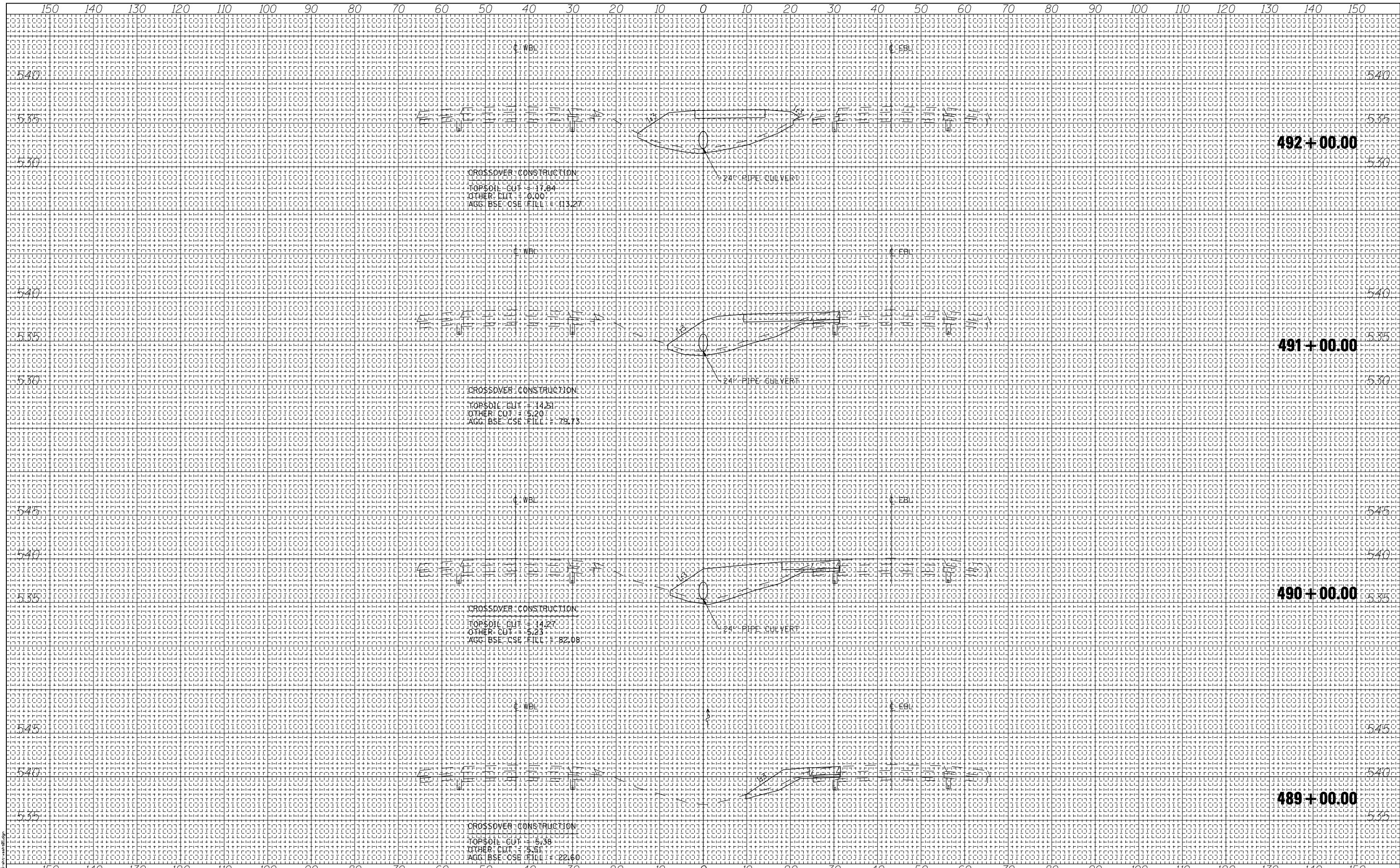
**I-70 CROSS SECTIONS
WEST CROSSOVER - EB**

SCALE: AS SHOWN SHEET NO. 1 OF 4 SHEETS STA. 485+00.00 TO STA. 488+00.00

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	YAYETTE	277	245
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				

BY: _____ DATE: _____
 SURVEYED PLOTTED
 SURVEY NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

BY: _____ DATE: _____
 SURVEYED PLOTTED
 SURVEY NOTE BOOK TEMPLATE
 NO. AREAS CHECKED



CROSSOVER CONSTRUCTION
 TOPSOIL CUT = 17.84
 OTHER CUT = 0.00
 AGG. BSE. CSE. FILL = 113.27

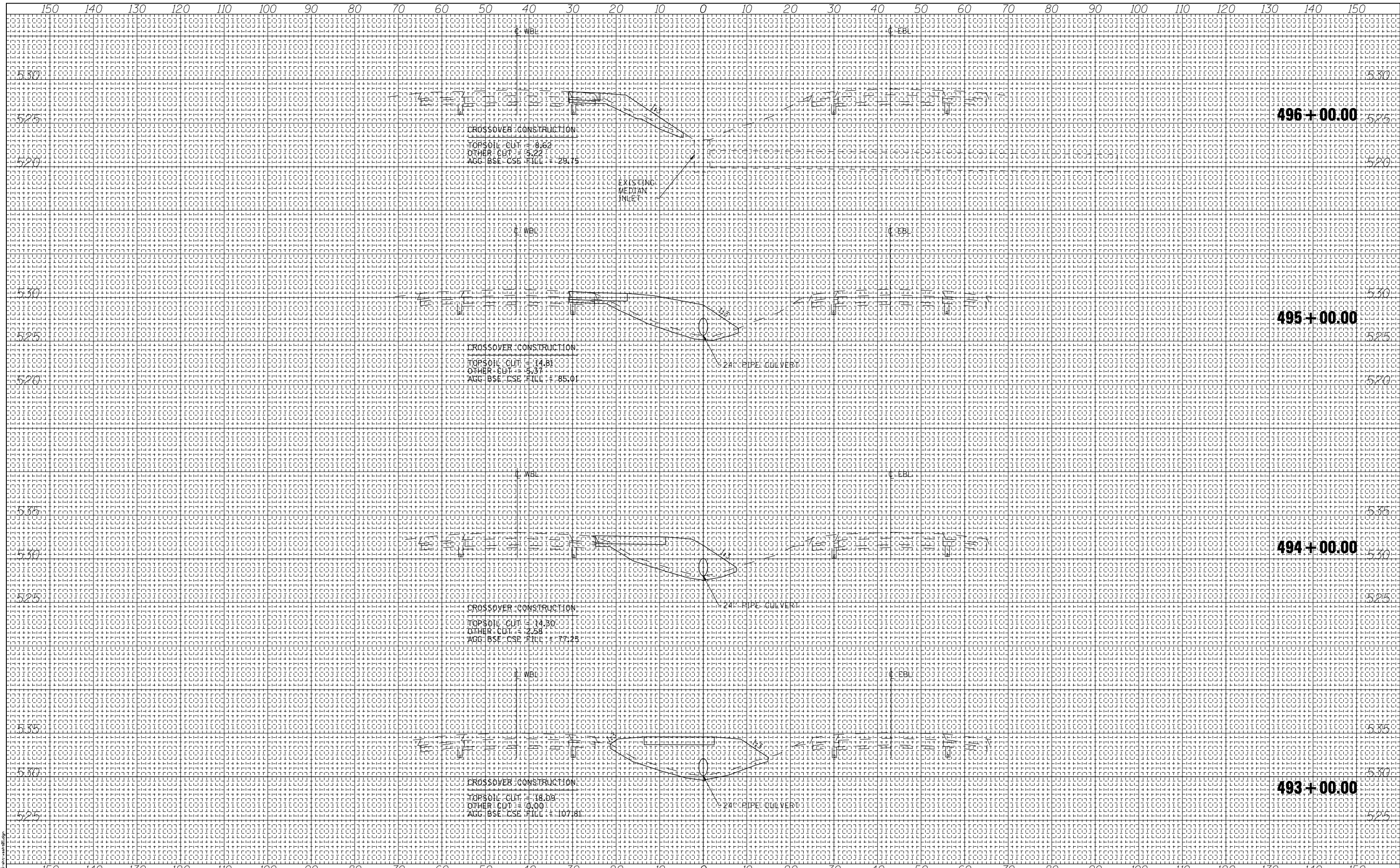
CROSSOVER CONSTRUCTION
 TOPSOIL CUT = 14.51
 OTHER CUT = 5.20
 AGG. BSE. CSE. FILL = 78.73

CROSSOVER CONSTRUCTION
 TOPSOIL CUT = 14.27
 OTHER CUT = 5.23
 AGG. BSE. CSE. FILL = 82.08

CROSSOVER CONSTRUCTION
 TOPSOIL CUT = 5.38
 OTHER CUT = 3.51
 AGG. BSE. CSE. FILL = 22.60

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



PRINT DRIVER: LINDA B. BOAL
 PLOT DATE: 11/29/2014 2:25:56 PM
 FILE NAME: I-74725-1000000.dwg



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:25:56 PM	DATE - 11/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

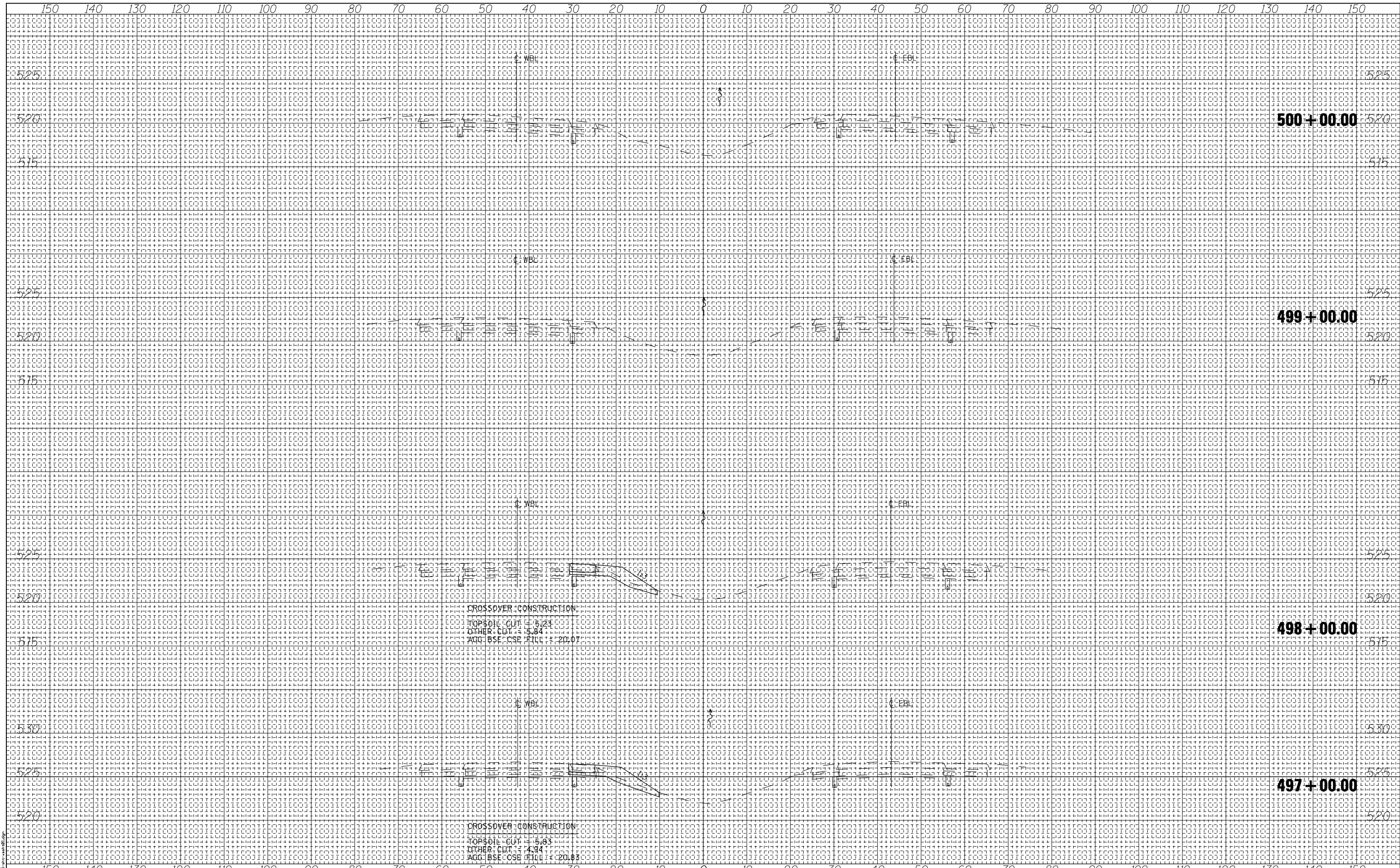
**I-70 CROSS SECTIONS
WEST CROSSOVER - EB**

SCALE: AS SHOWN SHEET NO. 3 OF 4 SHEETS STA. 493+00.00 TO STA. 496+00.00

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	247
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				

DATE _____
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 SURVEYED PLOTTED
 SURVEY TEMPLATE
 NOTE BOOK AREAS
 NO. AREAS CHECKED

DATE _____
 BY _____
 SURVEYED PLOTTED
 SURVEY TEMPLATE
 NOTE BOOK AREAS
 NO. AREAS CHECKED



CROSSOVER CONSTRUCTION
 TOPSOIL CUT = 5.23
 OTHER CUT = 5.84
 AGG. BSE. CSE. FILL = 20.07

CROSSOVER CONSTRUCTION
 TOPSOIL CUT = 5.85
 OTHER CUT = 4.94
 AGG. BSE. CSE. FILL = 20.85

PRINT DRIVER: L:\DLS\B\B\041
 MODEL MAKE: HP
 FILE NAME: I:\7475\7475.dwg



USER NAME = has
 ESCA PROJECT NO. 1000.05
 SCALES: (HORIZ) 1"=10' (VERT) 1"=5'
 PLOT DATE = 1/29/2014 2:26:16 PM

DESIGNED - ELH
 DRAWN - HAS
 CHECKED - ELH
 DATE - 08/13

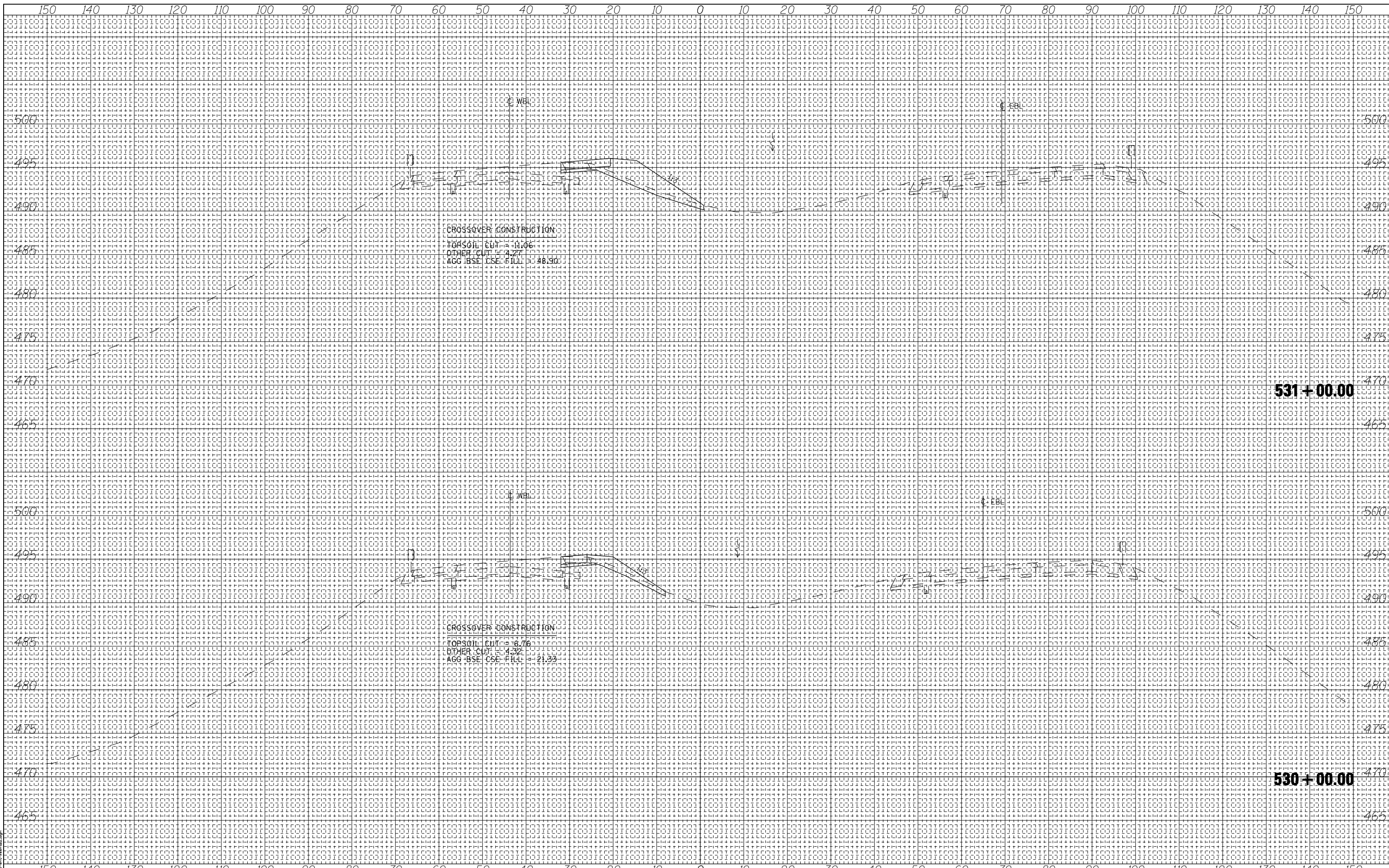
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-70 CROSS SECTIONS
 WEST CROSSOVER - EB

SCALE: AS SHOWN SHEET NO. 4 OF 4 SHEETS STA. 497+00.00 TO STA. 500+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	YAYETTE	277	248
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				



BY	DATE
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

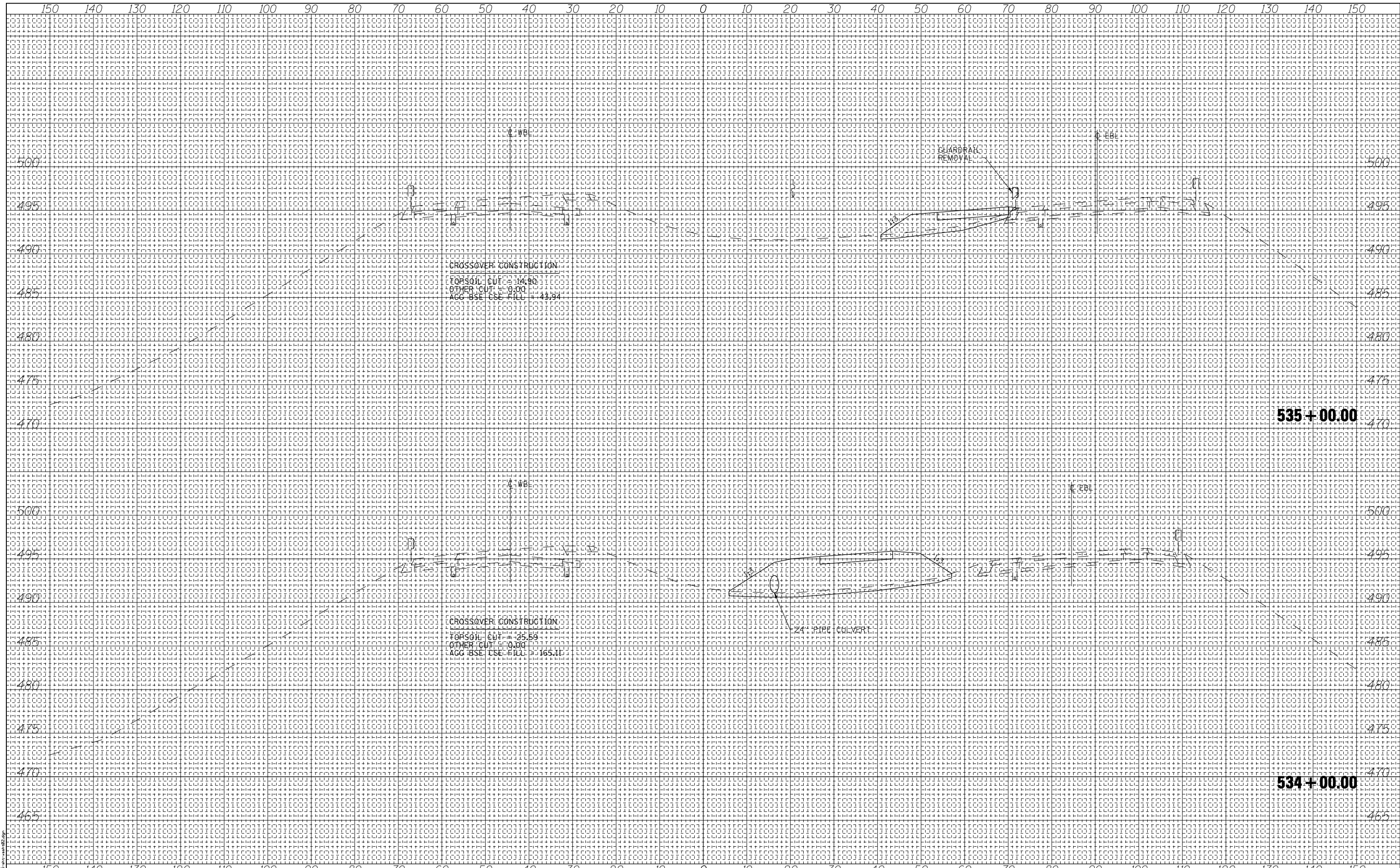
BY	DATE
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

PRINT DRIVER: L:\DLS\B\B\011
 PLOT DATE: 1/29/2014
 FILE NAME: I-747215-1.dwg

		USER NAME = has ESCA PROJECT NO. 1000.05 SCALES: (HORIZ) 1"=10' (VERT) 1"=5' PLOT DATE = 1/29/2014	DESIGNED - ELH DRAWN - HAS CHECKED - ELH DATE - 08/13	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-70 CROSS SECTIONS WEST CROSSOVER - WB CONSTRUCTION	SCALE: AS SHOWN SHEET NO. 2 OF 6 SHEETS STA. 530+00.00 TO STA. 531+00.00	F.A.I. R.T.E. - 70 SECTION - (26-3B-1, 3B-1(3))BR COUNTY - YAZBECK ILLINOIS FED. AID PROJECT AID	TOTAL SHEETS - 277 SHEET NO. - 250 CONTRACT NO. - 74175
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

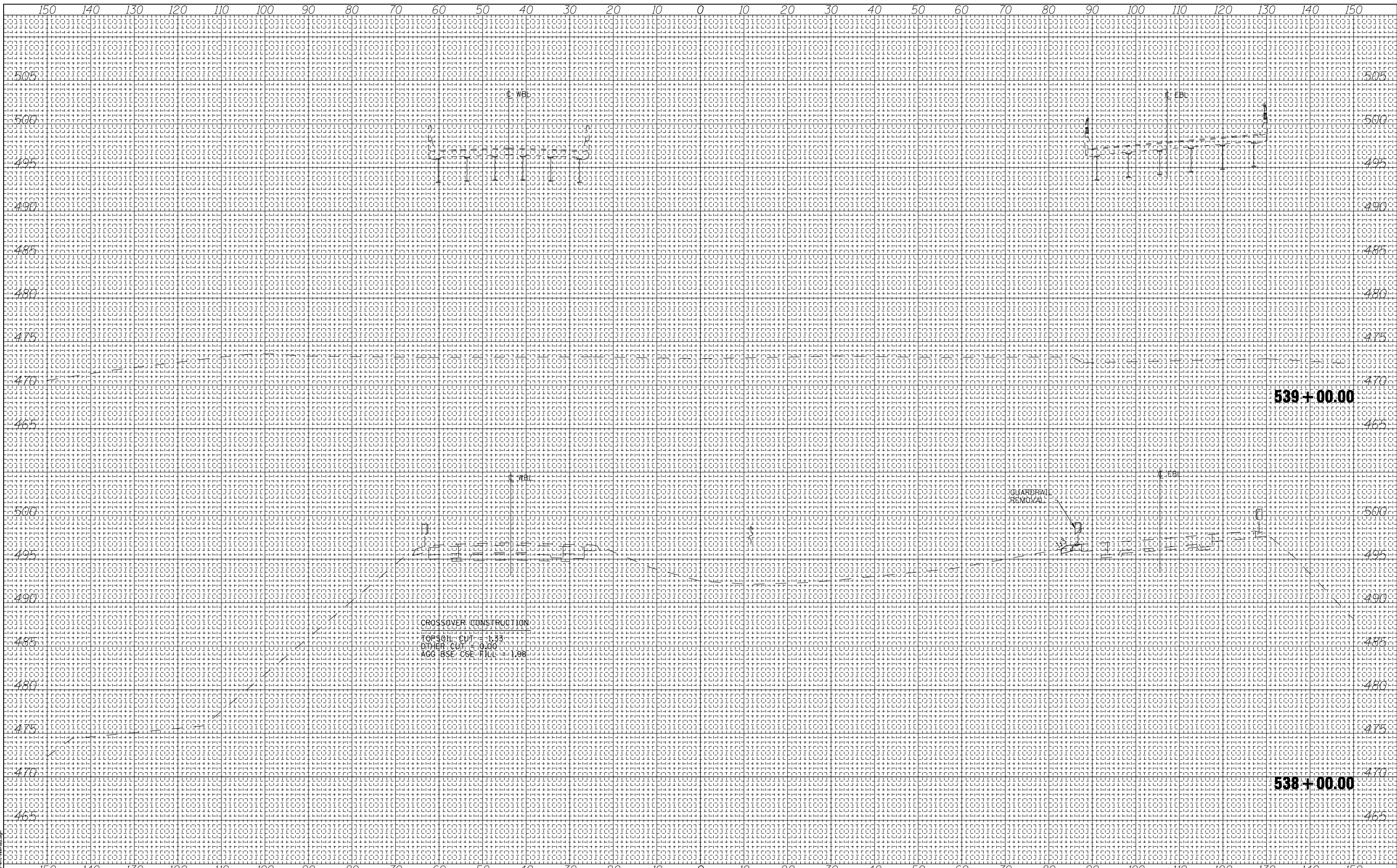


USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:27:36 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-70 CROSS SECTIONS	
WEST CROSSOVER - WB CONSTRUCTION	
SCALE: AS SHOWN	SHEET NO. 4 OF 6 SHEETS
STA. 534+00.00	TO STA. 535+00.00

F.A.I. R.T.E. = 70	SECTION = (26-3B-1, 3B-1(3))BR	COUNTY = YAZBE	TOTAL SHEETS = 277	SHEET NO. = 252
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				



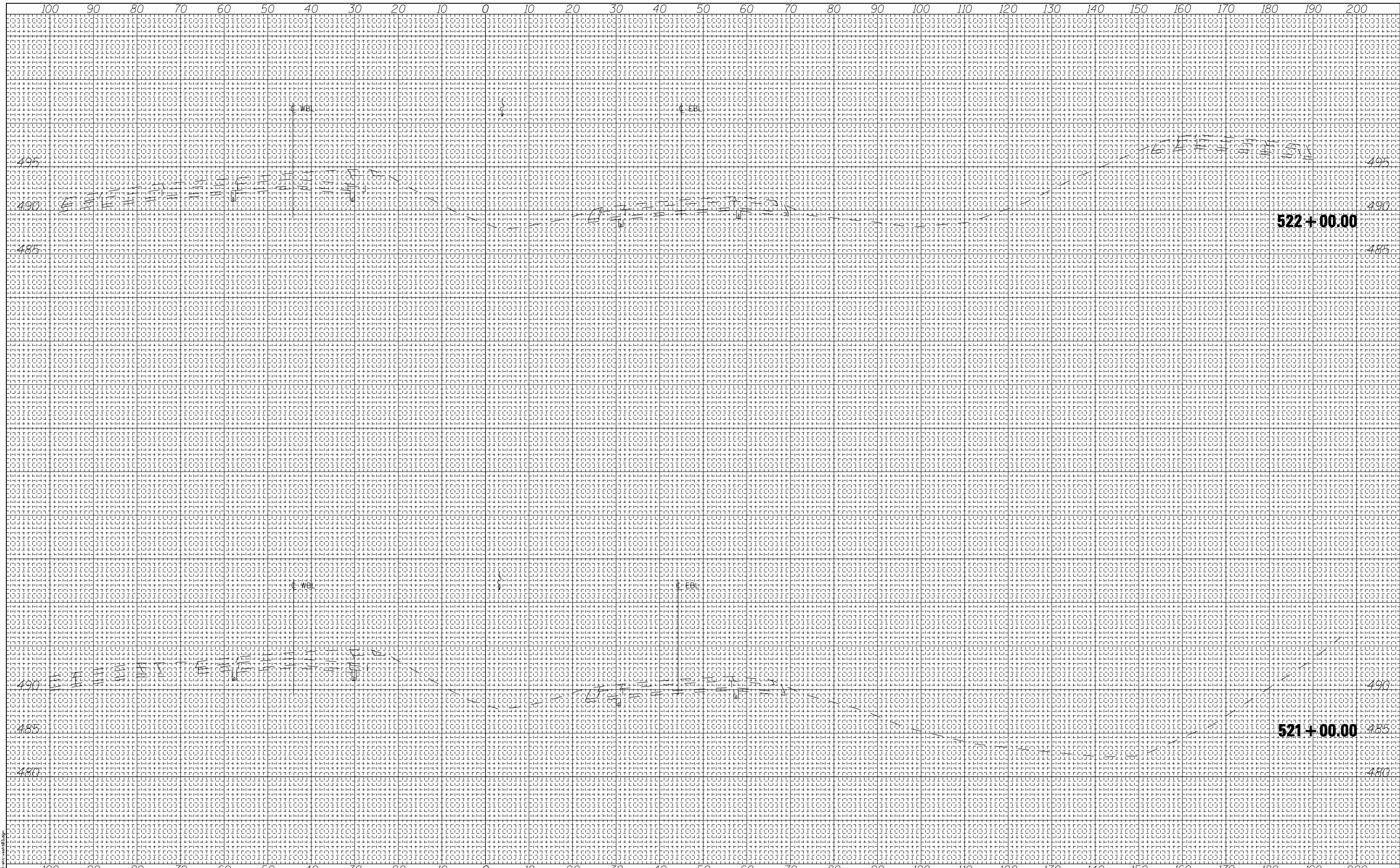
DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLATE	TEMPLATE
NOTE BOOK	NOTE BOOK
SURVEY	SURVEY
FINAL	FINAL

DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLATE	TEMPLATE
NOTE BOOK	NOTE BOOK
SURVEY	SURVEY
ORIGINAL	ORIGINAL

PRINT DRIVER: L:\DLS\B\B\014
 PLOT DATE: 1/29/2014 2:28:07 PM
 FILE NAME: I-747375-0000.dwg

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS _____
 CHECKED _____
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DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS _____
 CHECKED _____
 NO. _____



PRINT DRIVER: L:\DLS\B\B\A\1000.05\1000.05.DWG
 PLOT DATE: 1/29/2014 2:28:26 PM



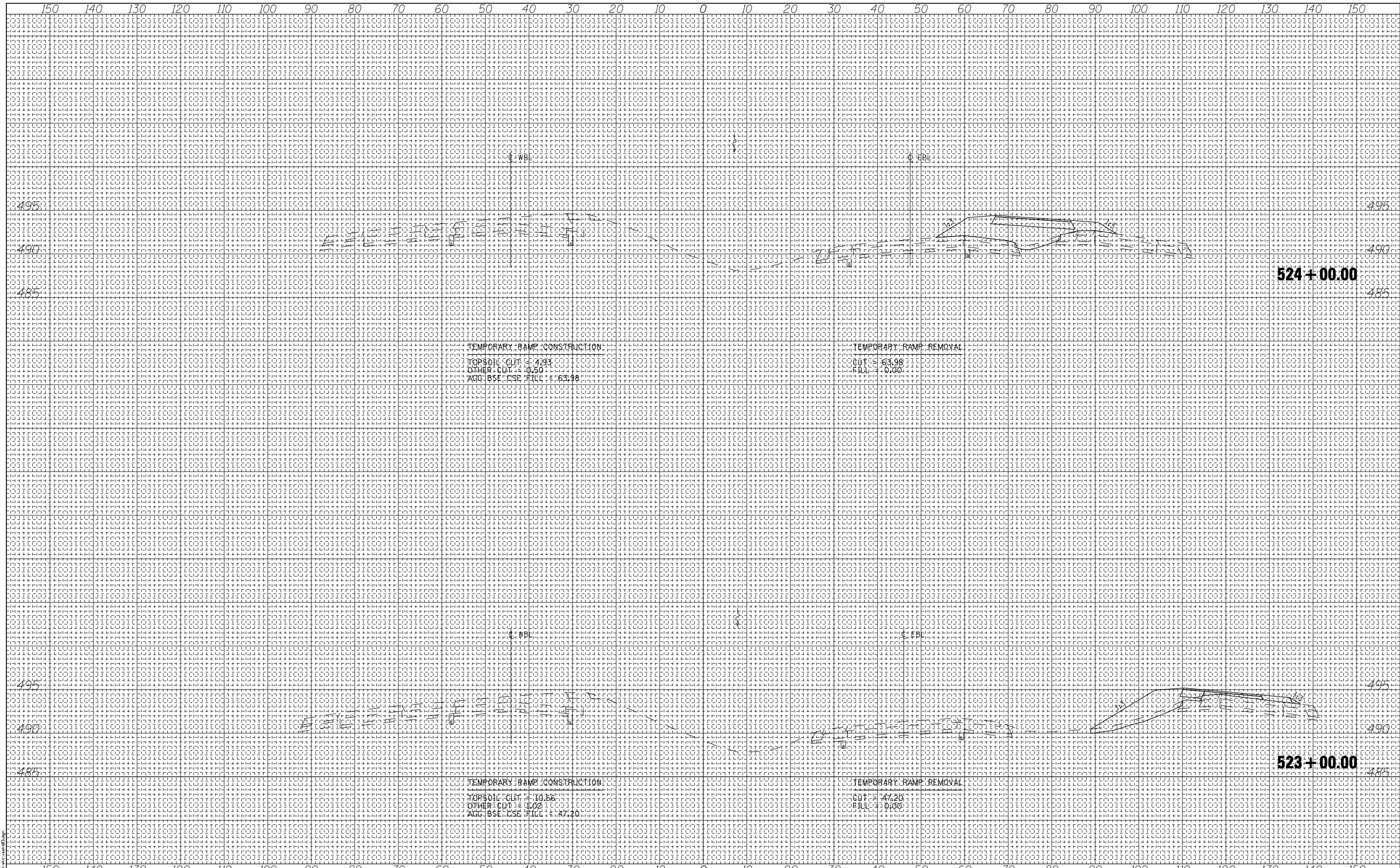
USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:28:26 PM	DATE - 08/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-70 CROSS SECTIONS
 WEST CROSSOVER - WB REMOVAL
 & TEMPORARY ENTRANCE RAMP**

SCALE: AS SHOWN SHEET NO. 1 OF 9 SHEETS STA. 521+00.00 TO STA. 522+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	YAYETTE	277	255
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				



DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLATE	TEMPLATE
NOTE BOOK	NOTE BOOK
SURVEYED	SURVEYED
PLOTTED	PLOTTED
FINAL SURVEY	FINAL SURVEY

DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLATE	TEMPLATE
NOTE BOOK	NOTE BOOK
SURVEYED	SURVEYED
PLOTTED	PLOTTED
ORIGINAL SURVEY	ORIGINAL SURVEY

PRINT DRIVER: L:\DLS\B\0411\10000005\10000005.DWG
 PLOT DATE: 1/29/2014 2:28:44 PM



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:28:44 PM	DATE - 08/13	REVISED -

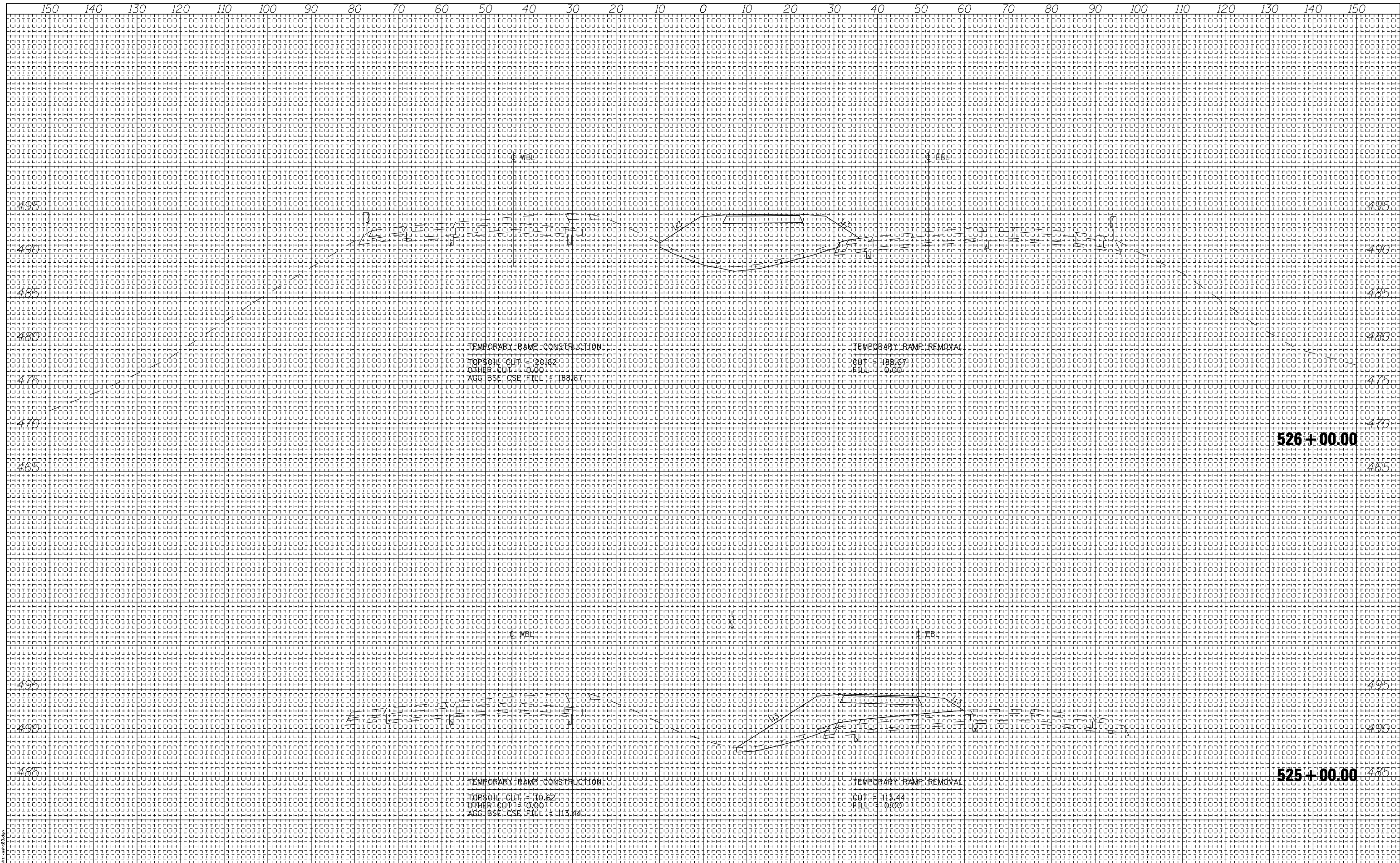
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

1-70 CROSS SECTIONS WEST CROSSOVER - WB REMOVAL & TEMPORARY ENTRANCE RAMP	
SCALE: AS SHOWN	SHEET NO. 2 OF 9 SHEETS
STA. 523+00.00	TO STA. 524+00.00

F.A.I. R.T.E. = 70	SECTION = (26-3B-1, 3B-1(3))BR	COUNTY = FAYETTE	TOTAL SHEETS = 277	SHEET NO. = 256
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				

DATE
BY
SURVEYED PLOTTED TEMPLATE AREAS CHECKED
FINAL SURVEY NOTE BOOK NO.

DATE
BY
SURVEYED PLOTTED TEMPLATE AREAS CHECKED
ORIGINAL SURVEY NOTE BOOK NO.



TEMPORARY RAMP CONSTRUCTION
 TOPSOIL CUT = 20.62
 OTHER CUT = 0.00
 AGG. BSE-CSE FILL = 188.67

TEMPORARY RAMP REMOVAL
 CUT = 188.67
 FILL = 0.00

TEMPORARY RAMP CONSTRUCTION
 TOPSOIL CUT = 10.62
 OTHER CUT = 0.00
 AGG. BSE-CSE FILL = 113.44

TEMPORARY RAMP REMOVAL
 CUT = 113.44
 FILL = 0.00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-70 CROSS SECTIONS
WEST CROSSOVER - WB REMOVAL
& TEMPORARY ENTRANCE RAMP**

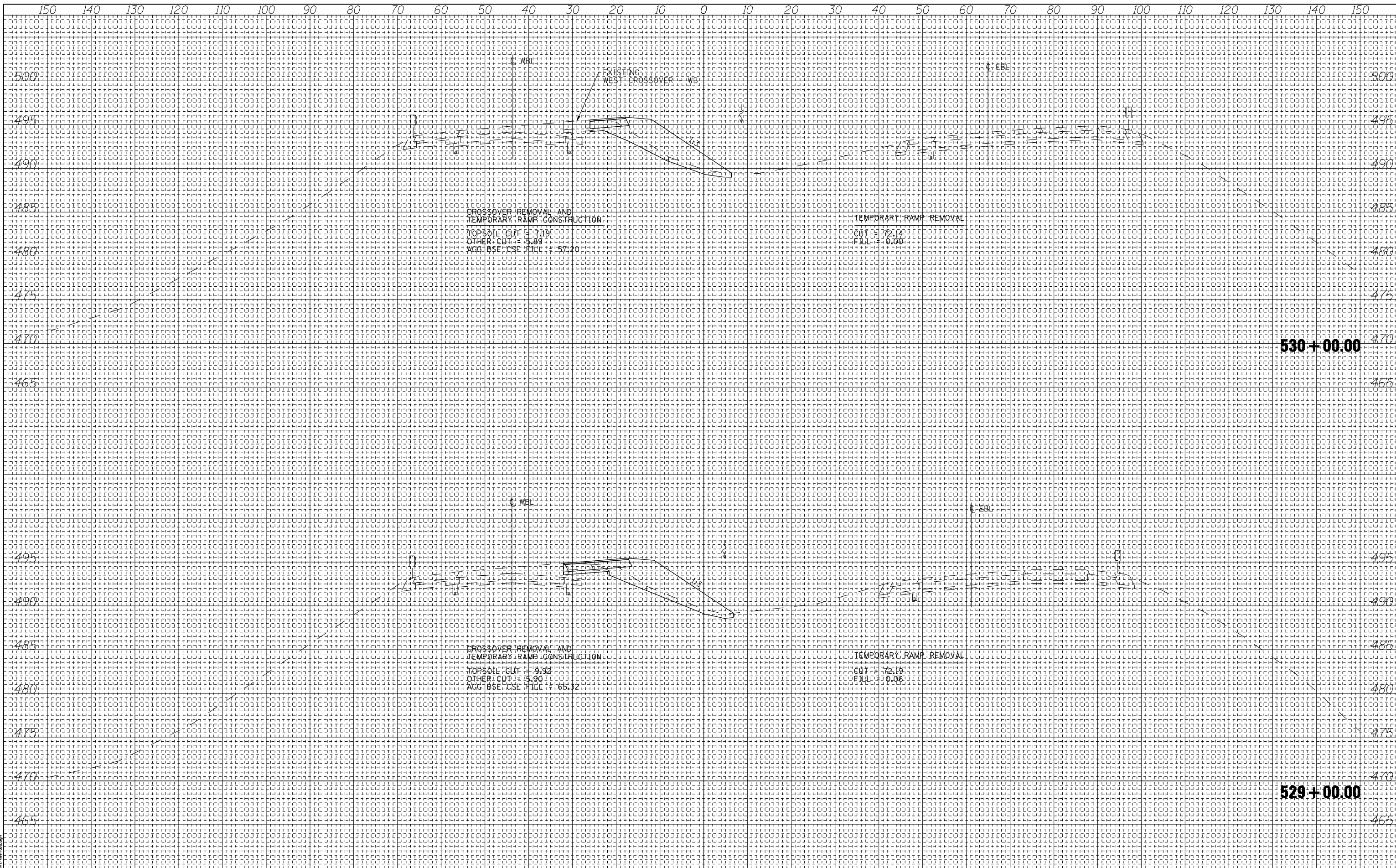
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SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:29:07 PM	DATE - 08/13	REVISED -

SCALE: AS SHOWN SHEET NO. 3 OF 9 SHEETS STA. 525+00.00 TO STA. 526+00.00

F.A.I. RTE. = 70	SECTION = (26-3B-1, 3B-1(3))BR	COUNTY = YAZON	TOTAL SHEETS = 277	SHEET NO. = 257
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				



PRINT DRIVER = L:\DLS\B\B011\PROJECTS\1000.05\1000.05.DWG
 PLOT FILE NAME = I:\DLS\B\B011\PROJECTS\1000.05\1000.05.DWG



DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLE	TEMPLE
PLOTTED	PLOTTED
SURVEYED	SURVEYED
NOTE BOOK	NOTE BOOK
NO.	NO.
FINISH	FINISH
NO.	NO.

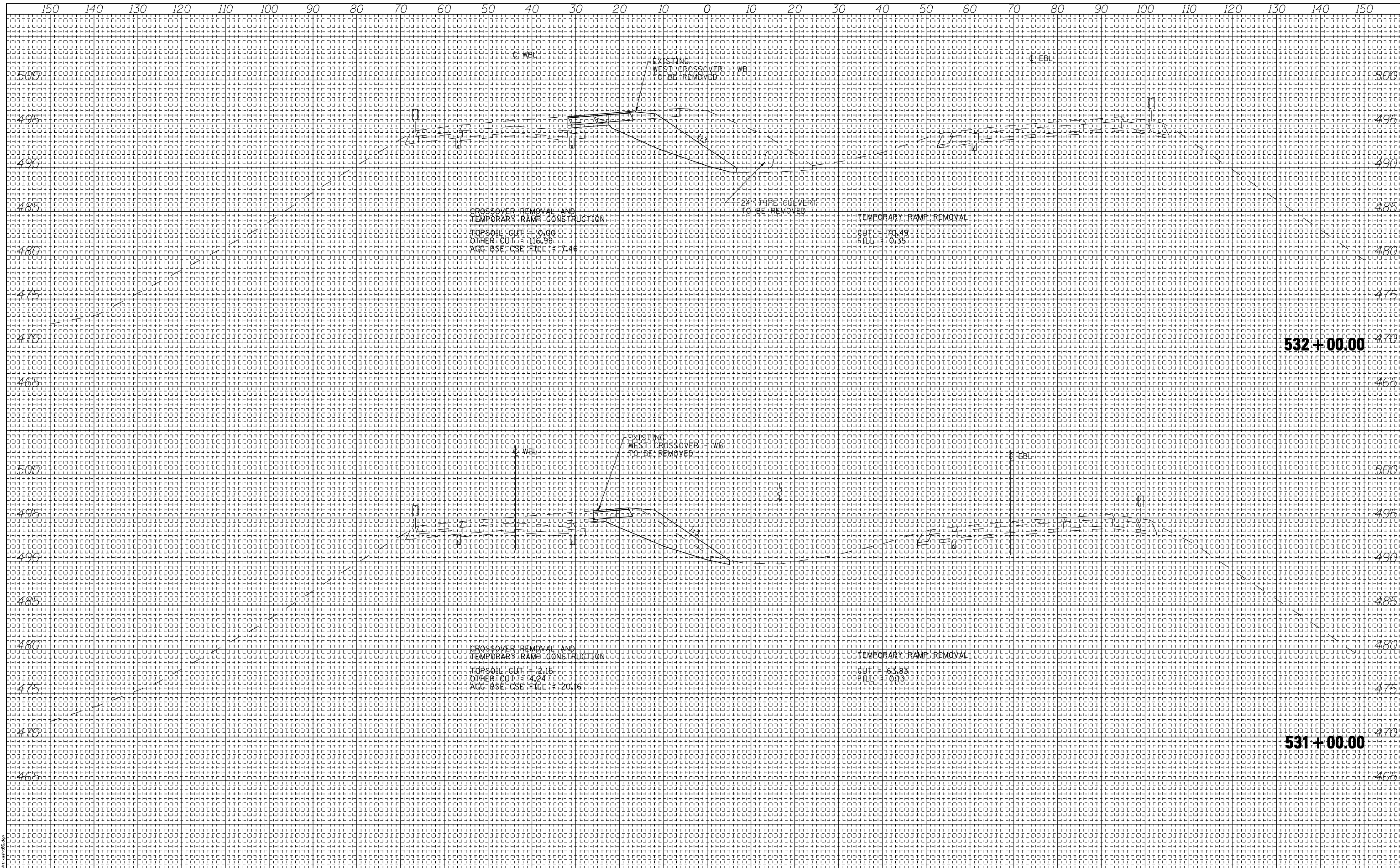
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NO.	NO.
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TEMPLE	TEMPLE
PLOTTED	PLOTTED
SURVEYED	SURVEYED
NOTE BOOK	NOTE BOOK
NO.	NO.
FINISH	FINISH
NO.	NO.

PRINT DRIVER: L:\DLS\B\0411
 MODEL MAKE: HP
 FILE NAME: D:\74175\...

150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150					
ESCA CONSULTANTS, INC. ESCA PROJECT NO. 1000.05 SCALES: (HORIZ) 1"=10' (VERT) 1"=5' PLOT DATE = 1/29/2014 2:29:58 PM																DESIGNED - ELH DRAWN - HAS CHECKED - ELH DATE - 08/13				REVISED - REVISED - REVISED - REVISED -				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				I-70 CROSS SECTIONS WEST CROSSOVER - WB REMOVAL & TEMPORARY ENTRANCE RAMP				F.A.I. R.T.E. - 70 SECTION (26-3B-1, 3B-1(3))BR COUNTY YAYETTE TOTAL SHEETS 277 SHEET NO. 259 CONTRACT NO. 74175			
SCALE: AS SHOWN																SHEET NO. 5 OF 9 SHEETS				STA. 529+00.00 TO STA. 530+00.00				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID											

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	



CROSSOVER REMOVAL AND
TEMPORARY RAMP CONSTRUCTION
TOPSOIL CUT = 0.00
OTHER CUT = 116.99
AGG. BSE. CSE FILL = 7.46

TEMPORARY RAMP REMOVAL
CUT = 70.49
FILL = 0.35

CROSSOVER REMOVAL AND
TEMPORARY RAMP CONSTRUCTION
TOPSOIL CUT = 2.15
OTHER CUT = 4.24
AGG. BSE. CSE FILL = 20.16

TEMPORARY RAMP REMOVAL
CUT = 63.83
FILL = 0.13

532+00.00

531+00.00



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:30:05 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

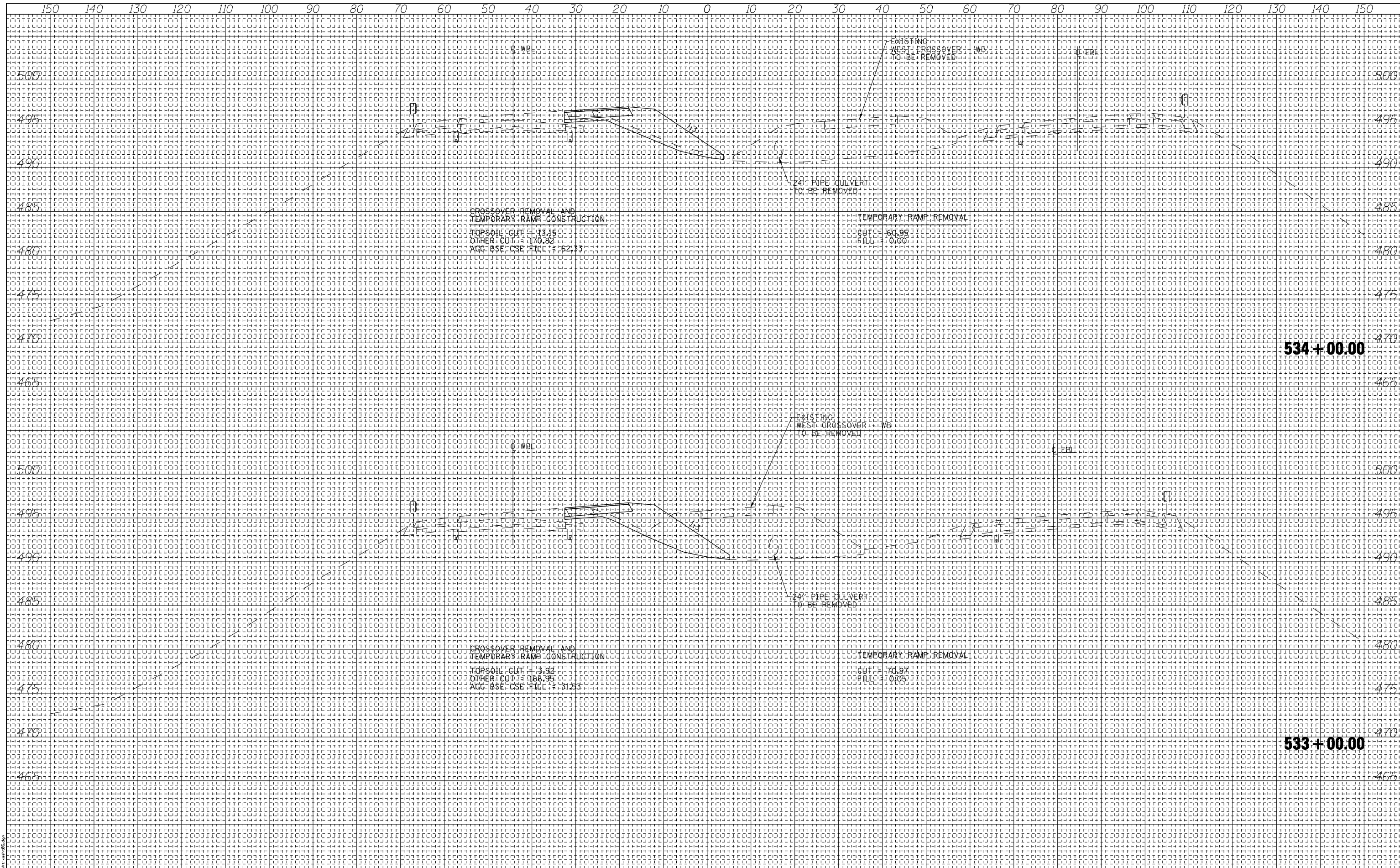
I-70 CROSS SECTIONS
WEST CROSSOVER - WB REMOVAL
& TEMPORARY ENTRANCE RAMP

SCALE: AS SHOWN	SHEET NO. 6 OF 9 SHEETS	STA. 531+00.00 TO STA. 532+00.00
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F.A.I. RTE. 70	SECTION (26-3B-1, 3B-1(3))BR	COUNTY YAYETTE	TOTAL SHEETS 277	SHEET NO. 260
CONTRACT NO. 74175			ILLINOIS FED. AID PROJECT AID	

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	



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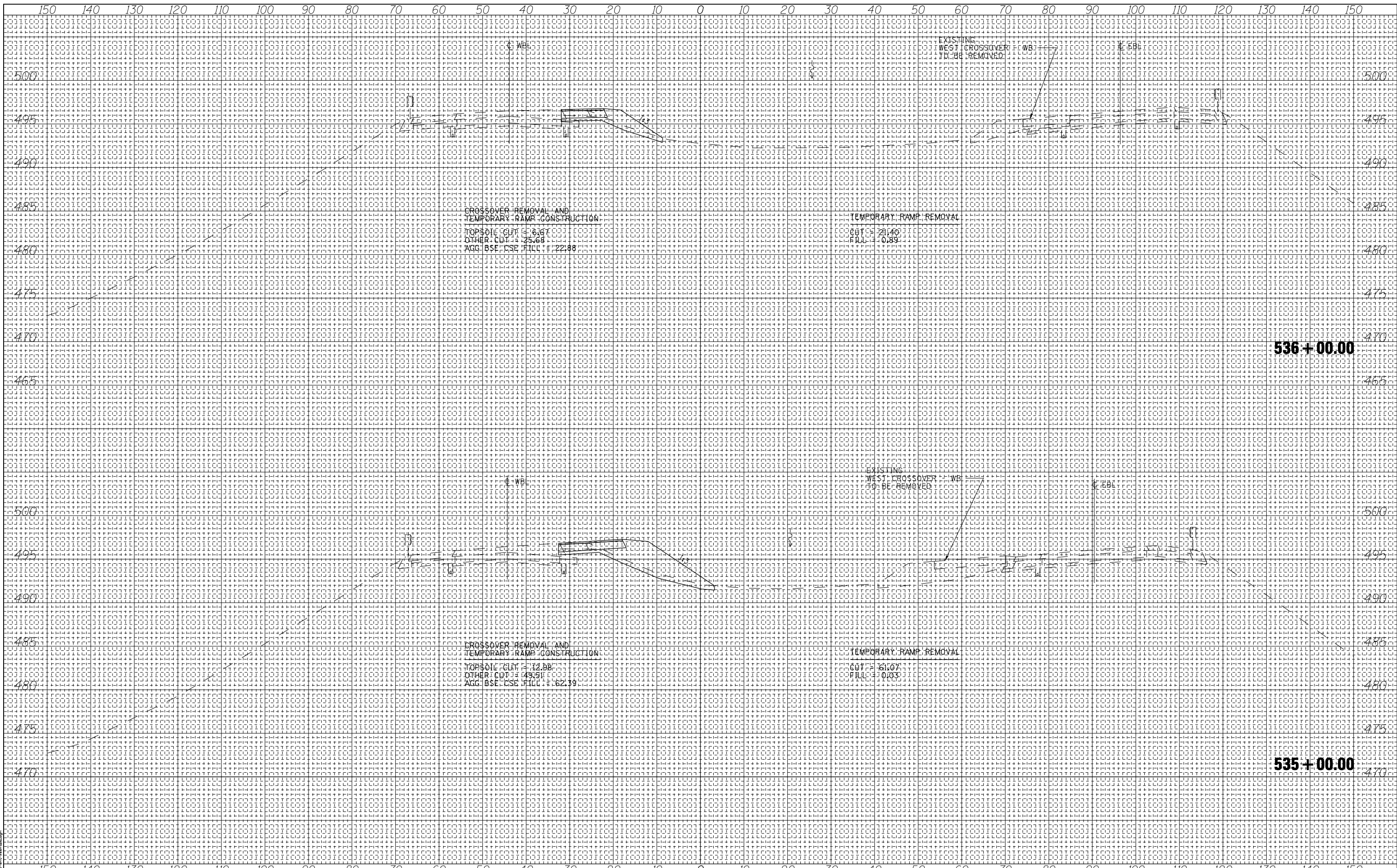


USER NAME = has	DESIGNED - ELH	REVISED -
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SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:30:25 PM	DATE - 08/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-70 CROSS SECTIONS WEST CROSSOVER - WB REMOVAL & TEMPORARY ENTRANCE RAMP	
SCALE: AS SHOWN	SHEET NO. 7 OF 9 SHEETS
STA. 533+00.00	TO STA. 534+00.00

F.A.I. RTE. 70	SECTION (26-3B-1, 3B-1(3))BR	COUNTY FAYETTE	TOTAL SHEETS 277	SHEET NO. 261
CONTRACT NO. 74175		ILLINOIS FED. AID PROJECT AID		



BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

PRINT DRIVER: L:\DLS\B\B\1\10000005\10000005.DWG
 PLOT DATE: 1/29/2014 2:30:43 PM



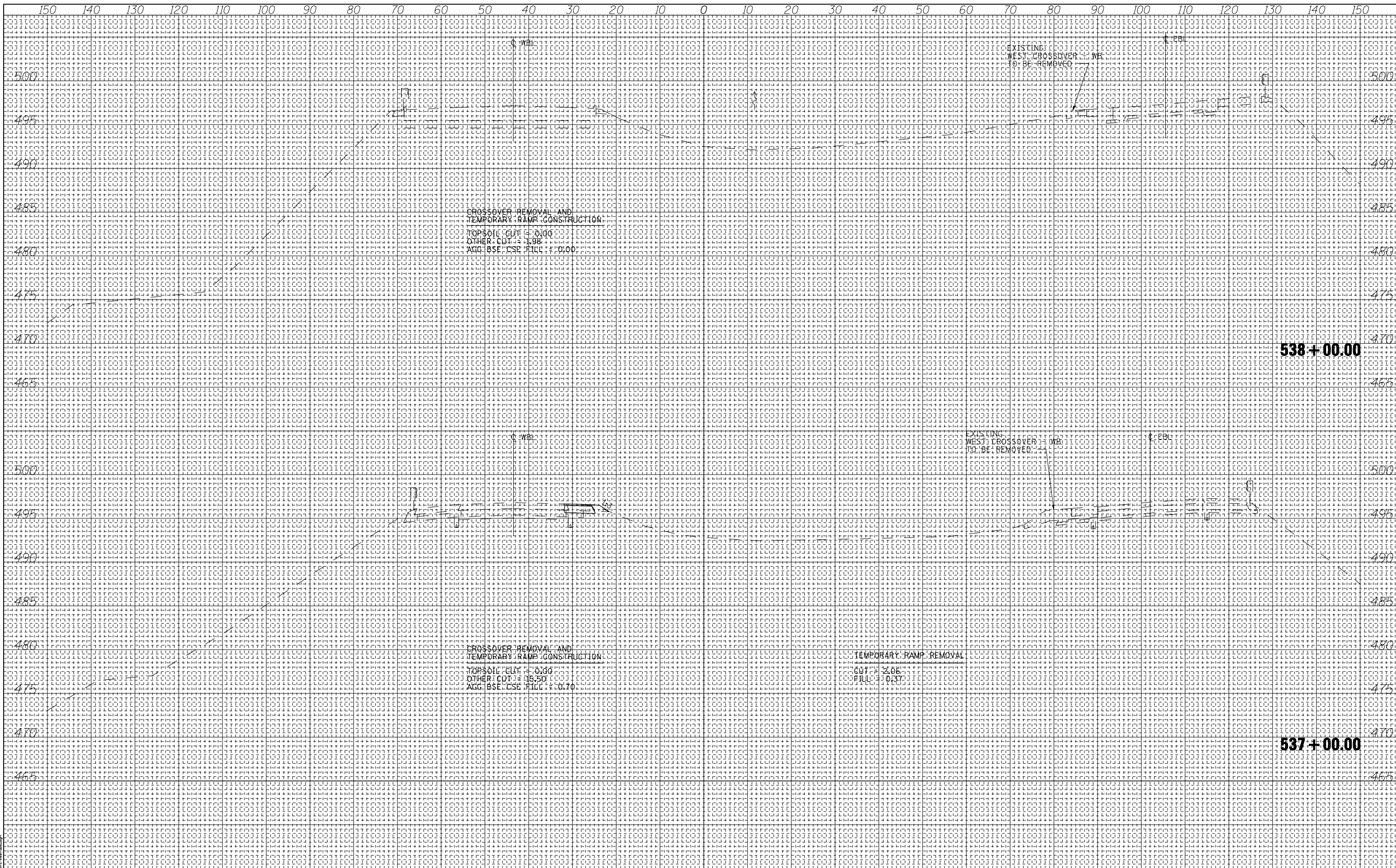
USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:30:43 PM	DATE - 08/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-70 CROSS SECTIONS
WEST CROSSOVER - WB REMOVAL
& TEMPORARY ENTRANCE RAMP**

SCALE: AS SHOWN SHEET NO. 8 OF 9 SHEETS STA. 535+00.00 TO STA. 536+00.00

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	YAYETTE	277	262
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				



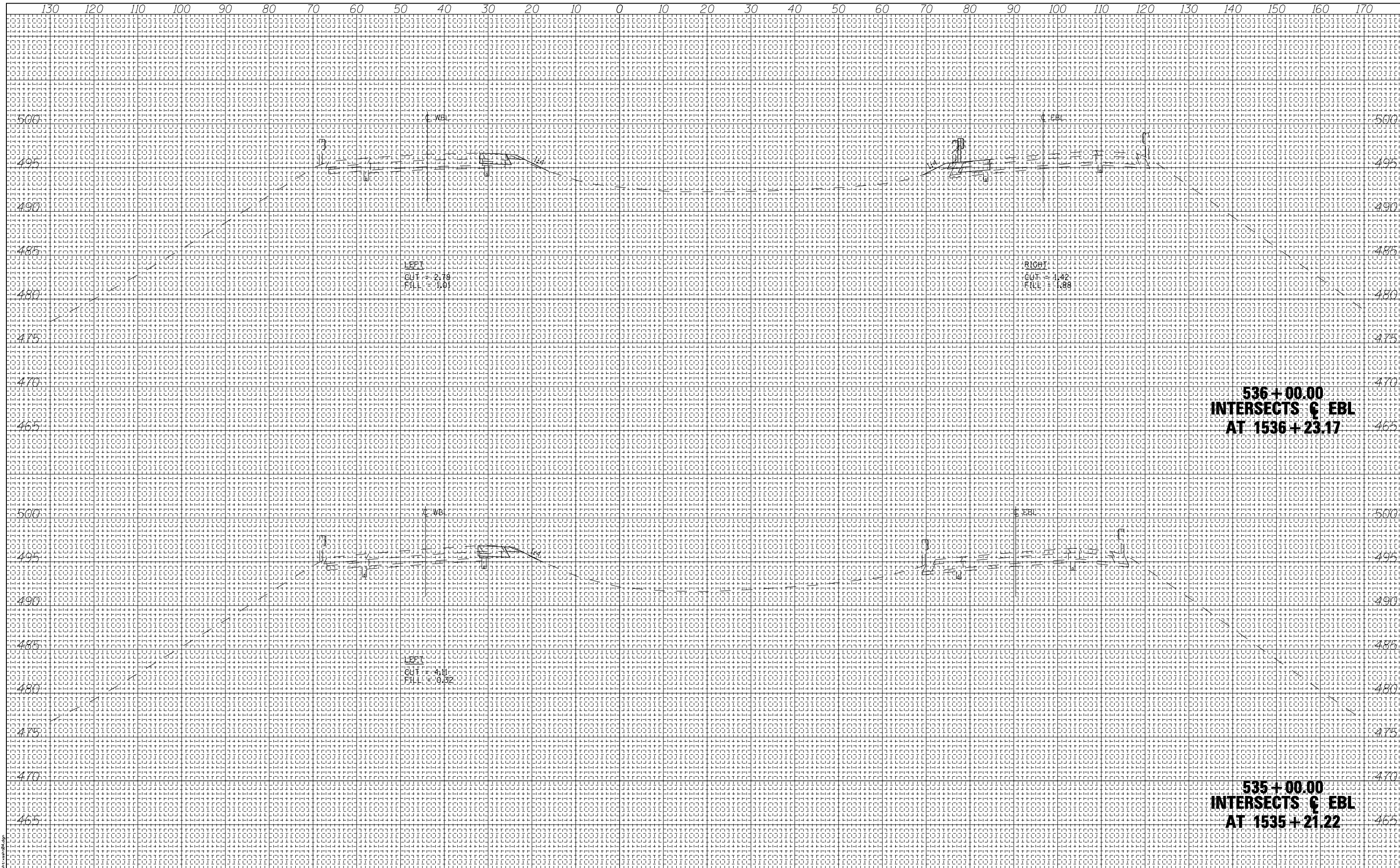
DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLATE	TEMPLATE
NOTE BOOK	NOTE BOOK
SURVEY	SURVEY
FINAL	FINAL

DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLATE	TEMPLATE
NOTE BOOK	NOTE BOOK
SURVEY	SURVEY
ORIGINAL	ORIGINAL

PRINT DRIVER: L:\DLS\BOL\...
 PLOT DATE: 1/29/2014 2:31:02 PM

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	



**536 + 00.00
INTERSECTS C EBL
AT 1536 + 23.17**

**535 + 00.00
INTERSECTS C EBL
AT 1535 + 21.22**

PRINT DRIVER: L:\DLS\B\B011
SCALE: 1"=40' HORIZ. 1"=5' VERT.
FILE NAME: I-747175-1.dwg



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:31:28 PM	DATE - 08/13	REVISED -

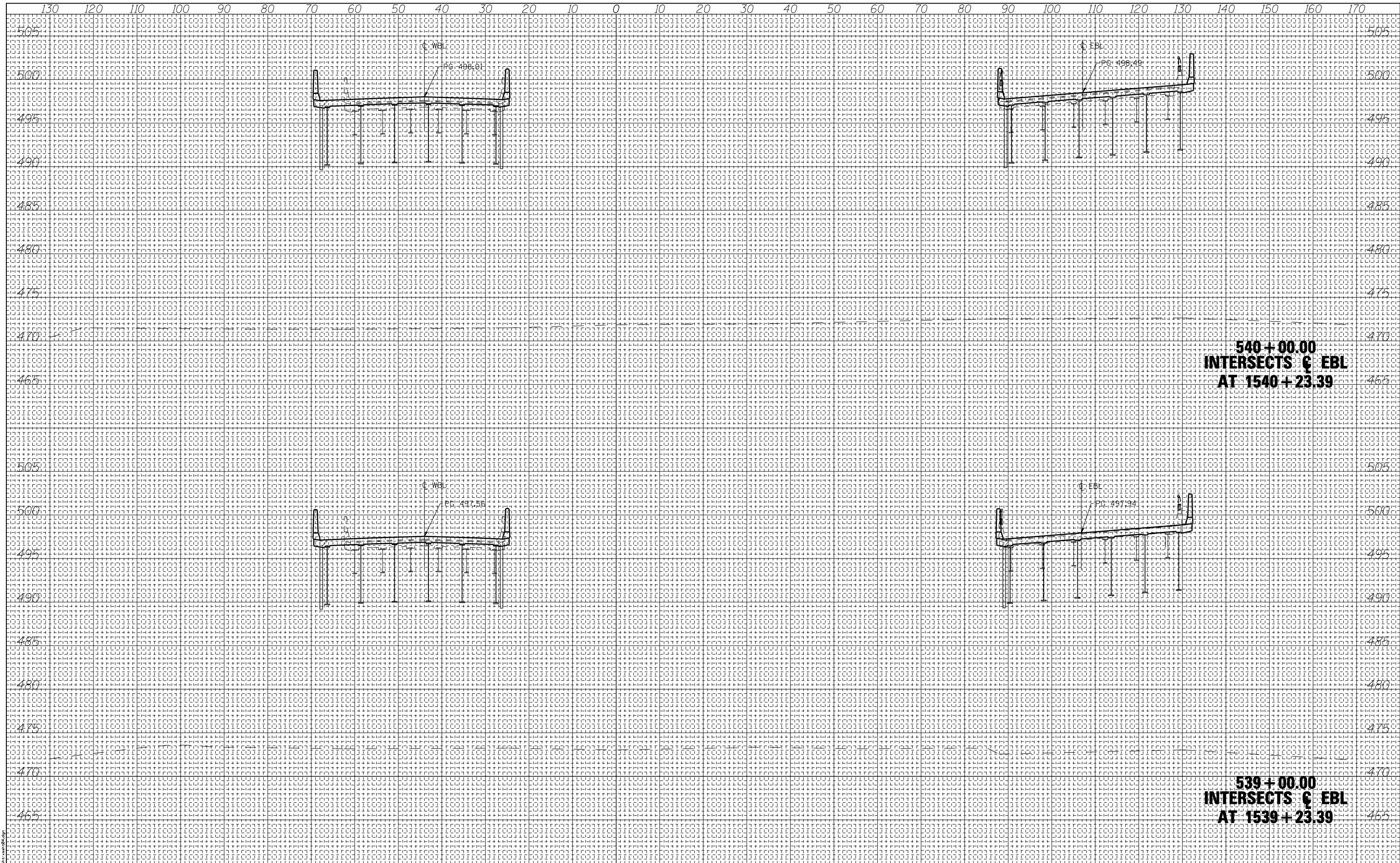
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-70 CROSS SECTIONS AT BRIDGES	
SCALE: AS SHOWN	SHEET NO. 1 OF 10 SHEETS
STA. 535+00.00	TO STA. 536+00.00

F.A.I. R.T.E. 70	SECTION (26-3B-1, 3B-1(3))BR	COUNTY FAYETTE	TOTAL SHEETS 277	SHEET NO. 264
CONTRACT NO. 74175			ILLINOIS FED. AID PROJECT AID	

DATE	
BY	
ORIGINAL SURVEY NO.	
NOTE BOOK NO.	
TEMPLATES AREAS CHECKED	
PLOTTED AREAS CHECKED	
FINAL SURVEY NO.	
NOTE BOOK NO.	
TEMPLATES AREAS CHECKED	
PLOTTED AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
NOTE BOOK NO.	
TEMPLATES AREAS CHECKED	
PLOTTED AREAS CHECKED	
FINAL SURVEY NO.	
NOTE BOOK NO.	
TEMPLATES AREAS CHECKED	
PLOTTED AREAS CHECKED	



**540+00.00
INTERSECTS C EBL
AT 1540+23.39**

**539+00.00
INTERSECTS C EBL
AT 1539+23.39**



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:36:09 PM	DATE - 08/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

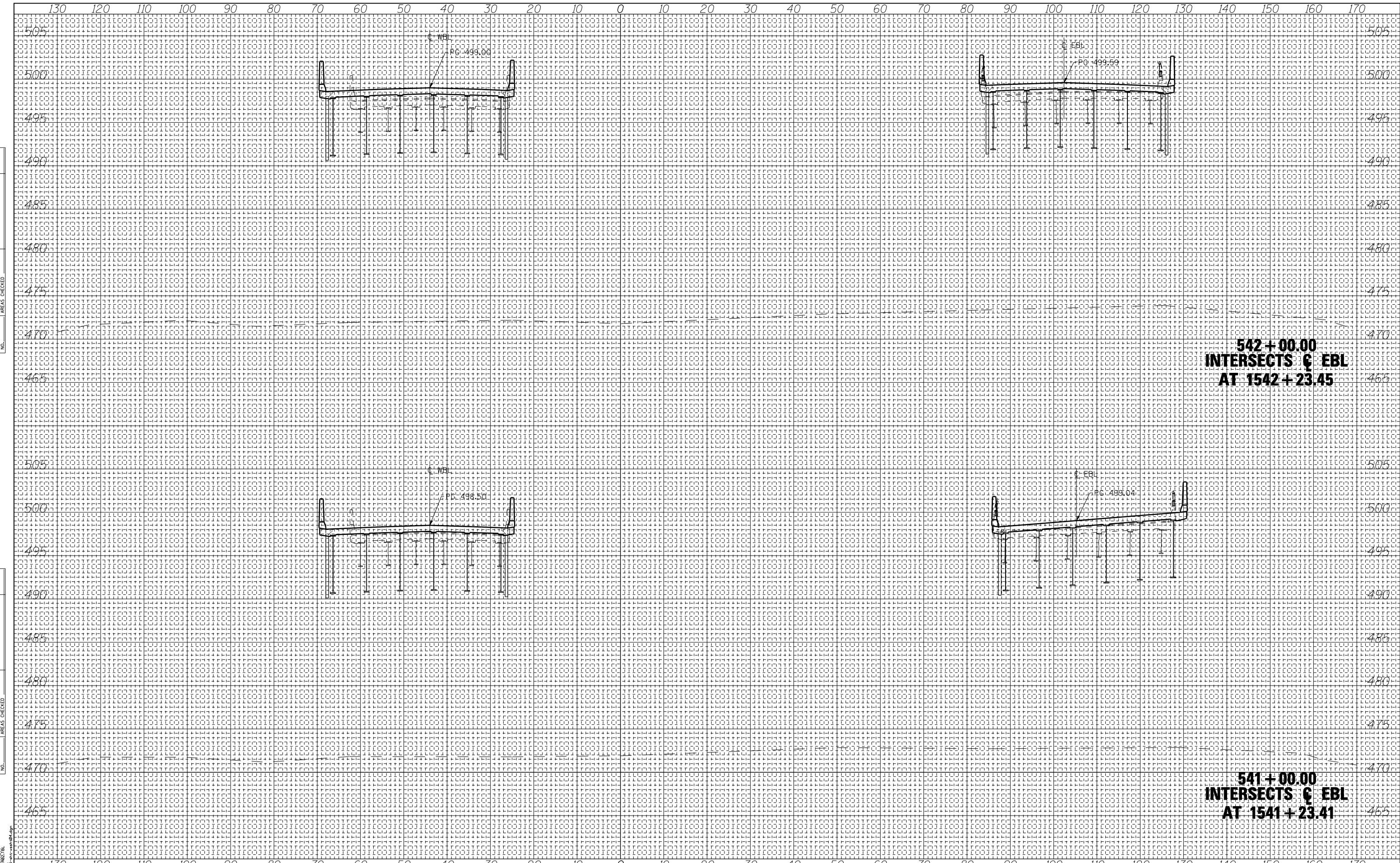
**I-70 CROSS SECTIONS
AT BRIDGES**

SCALE: AS SHOWN SHEET NO. 3 OF 10 SHEETS STA. 539+00.00 TO STA. 540+00.00

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	266
				CONTRACT NO. 74175
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	



**542+00.00
INTERSECTS ζ EBL
AT 1542+23.45**

**541+00.00
INTERSECTS ζ EBL
AT 1541+23.41**



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:36:26 PM	DATE - 08/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

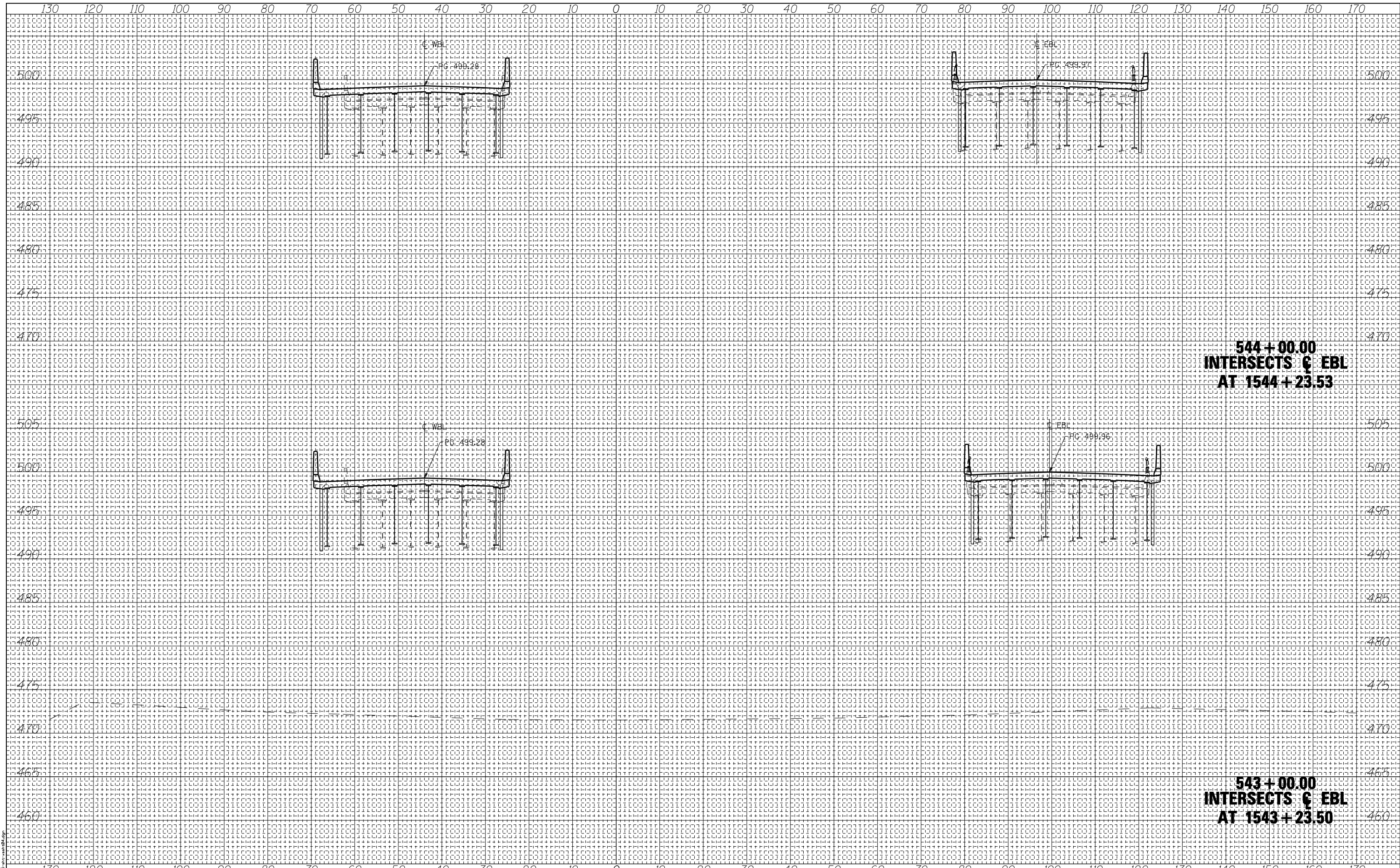
**I-70 CROSS SECTIONS
AT BRIDGES**

SCALE: AS SHOWN SHEET NO. 4 OF 10 SHEETS STA. 541+00.00 TO STA. 542+00.00

F.A.I. R.T.E. 70	SECTION (26-3B-1, 3B-1(3))BR	COUNTY FAYETTE	TOTAL SHEETS 277	SHEET NO. 267
CONTRACT NO. 74175			ILLINOIS FED. AID PROJECT AID	

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	



**544+00.00
INTERSECTS C EBL
AT 1544+23.53**

**543+00.00
INTERSECTS C EBL
AT 1543+23.50**



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:36:42 PM	DATE - 08/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

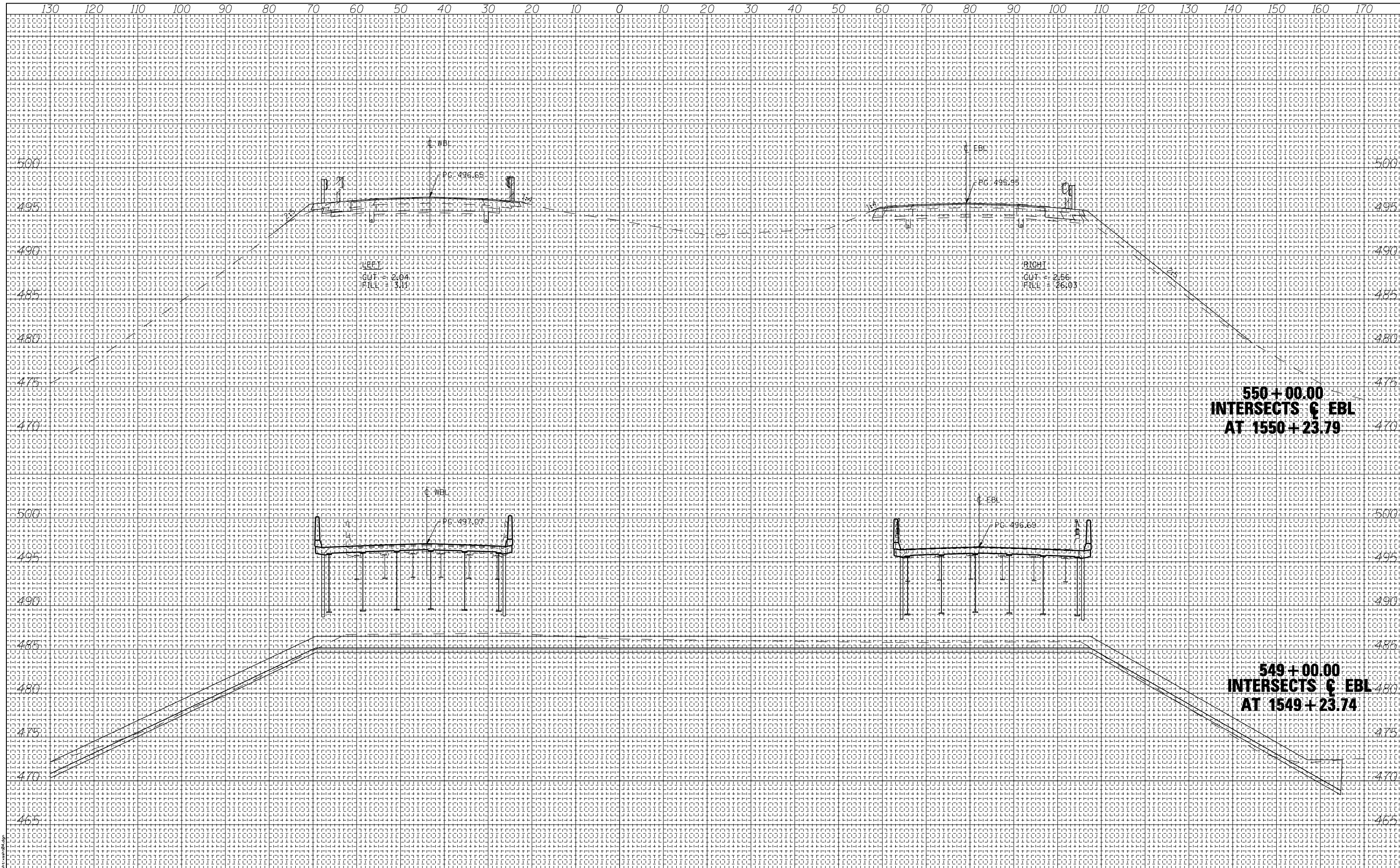
**I-70 CROSS SECTIONS
AT BRIDGES**

SCALE: AS SHOWN SHEET NO. 5 OF 10 SHEETS STA. 543+00.00 TO STA. 544+00.00

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	268
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT AID	
CONTRACT NO. 74175				

DATE	
BY	
FINAL SURVEY PLOTTED	
SURVEY TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY PLOTTED	
SURVEY TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:37:34 PM	DATE - 11/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

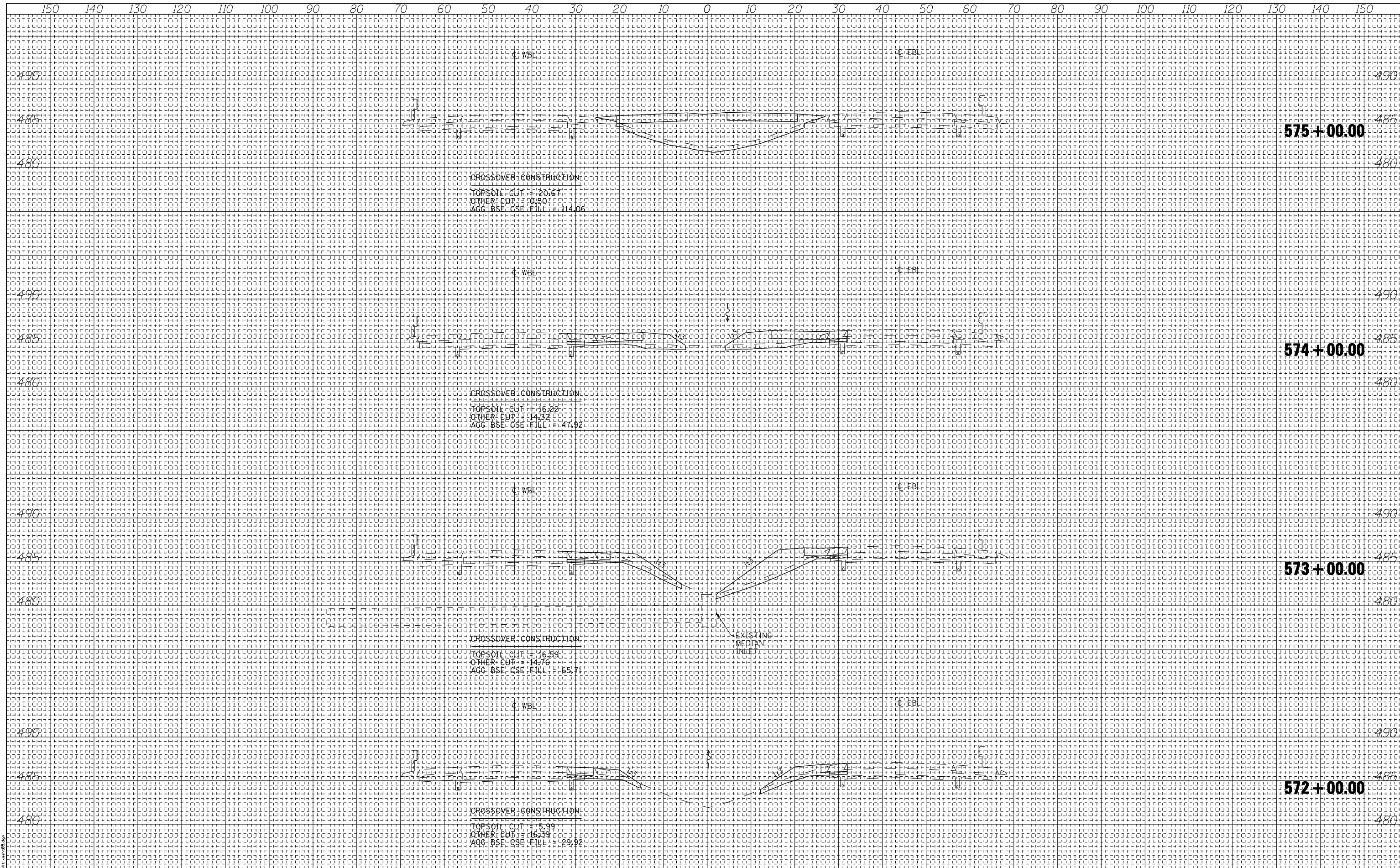
**I-70 CROSS SECTIONS
AT BRIDGES**

SCALE: AS SHOWN SHEET NO. 8 OF 10 SHEETS STA. 549+00.00 TO STA. 550+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	271
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	



PRINT DRIVER: L:\DLS\B\B\014
 PLOT DATE: 1/29/2014 2:39:04 PM



USER NAME = has	DESIGNED - ELH	REVISED -
ESCA PROJECT NO. 1000.05	DRAWN - HAS	REVISED -
SCALEs: (HORIZ) 1"=10' (VERT) 1"=5'	CHECKED - ELH	REVISED -
PLOT DATE = 1/29/2014 2:39:04 PM	DATE - 08/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-70 CROSS SECTIONS
EAST CROSSOVERS

SCALE: AS SHOWN SHEET NO. 2 OF 4 SHEETS STA. 572+00.00 TO STA. 575+00.00

F.A.I. R.T.E. = 70	SECTION = (26-3B-1, 3B-1(3))BR	COUNTY = YAZETTE	TOTAL SHEETS = 277	SHEET NO. = 275
CONTRACT NO. 74175				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT AID				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK AREAS CHECKED	

