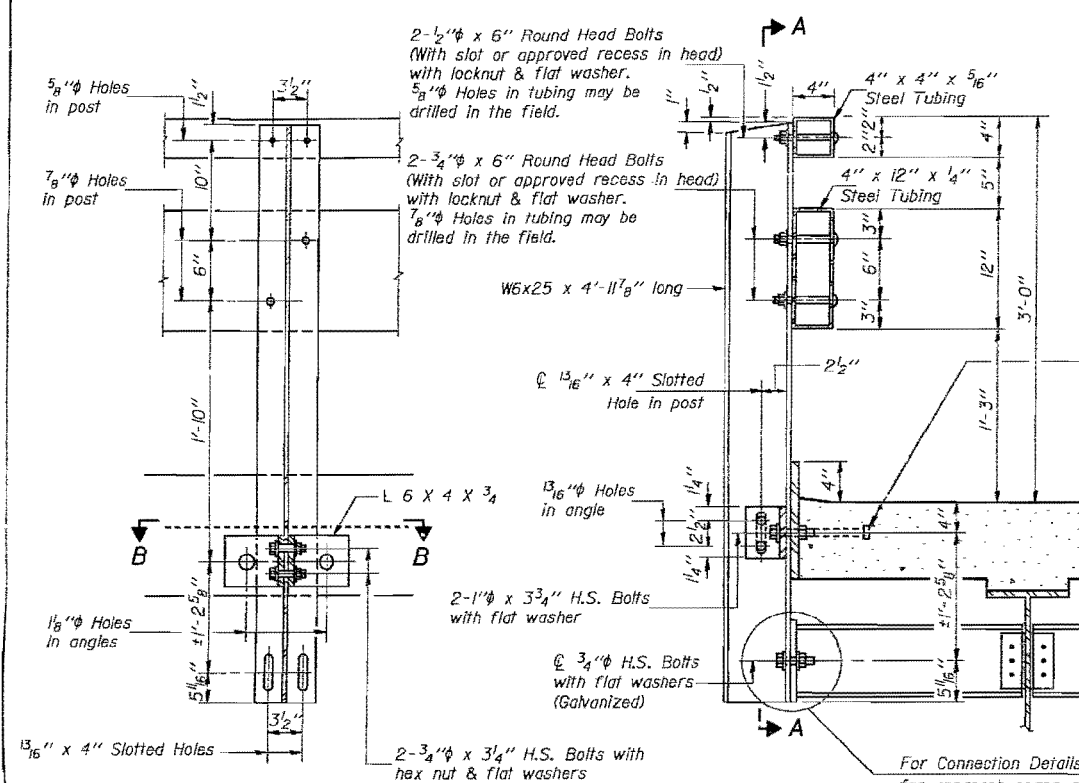


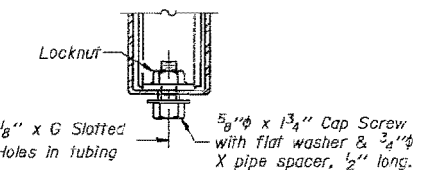
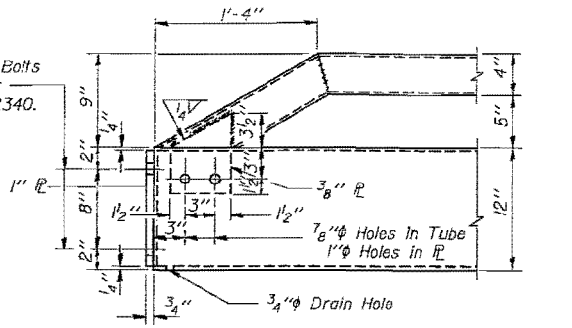
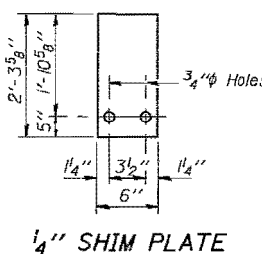
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO. 25
				107 SHEETS



1/2" Holes for 1" x 4" Round Head Bolts
Provide 2 flat washers & locknuts for
guard rail connection shown on Std. 2340.

Space shear studs to miss rail post
connection bolts. See sheet #20
of 107 for detail. See sheets #4
thru #7 of 107 for stud spacing.



RAIL SPLICE CONNECTION
AT EXPANSION JT.

NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M-183 except posts and angles shall conform to AASHTO M-223, Grade 50.

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-164.

All bolts, nuts, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385.

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per linear foot for STEEL RAILING, TYPE T-1 (MODIFIED).

All field drilled holes shall be coated with an approved zinc rich paint before erection.

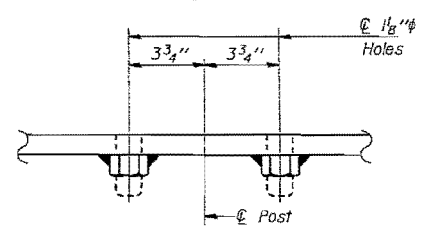
The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened in accordance with Article 507.04(g)(3) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/2 turn.

For multi-span bridges, sufficient 1/4" x 6" x 2'-3 3/8" galvanized steel shims shall be provided to align rail between adjacent spans. Co. incidental to Steel Railing, Type T-1 (Modified).

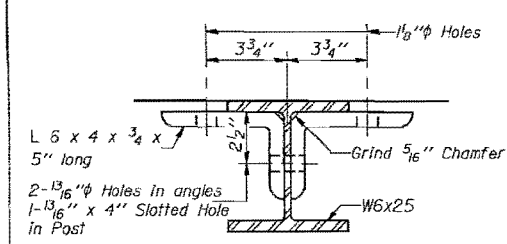
For rail post spacing see sheets #23 and #24 of 107.

For truss connection details see sheet #26 of 107.

SECTION A-A



VIEW C-C

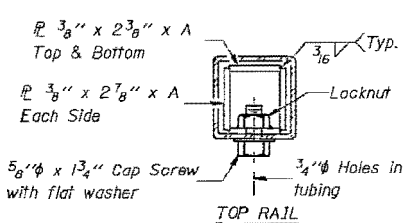


SECTION B-B

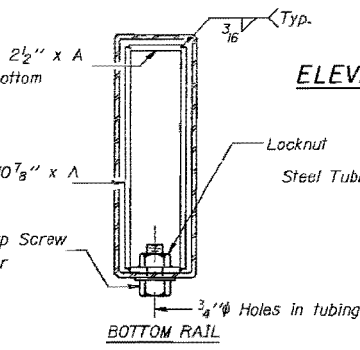
**SECTION AT RAIL POST CONNECTION
AT PANEL POINTS L1 THRU L7- SPANS 7, 8, 10 & 11
PANEL POINTS L1 THRU L3 - SPAN 9
AND ALONG SPANS 1 THRU 6 & 12 THRU 19**

TABLE OF DIMENSIONS A THRU H

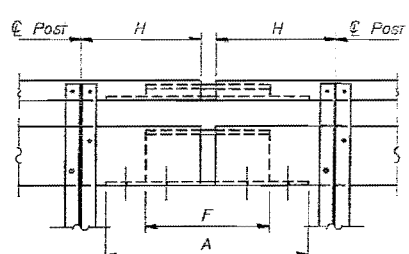
	A	B	C	D	E	F	G	H
4" P.J.S. Joints	1'-10 1/2"	2"	4"	5 1/4"	2 3/4"	1'-2"	2 1/2"	10 5/8"
4" Neoprene Joints	1'-10 3/4"	2"	4"	5 3/8"	3"	1'-2"	2 1/2"	10 1/2"
Finger Joint	3'-0"	3 1/2"	7"	7 1/2"	4 1/4"	1'-2"	5 1/2"	9 7/8"
Rail Splice	1'-8"	2"	4"	4"	1 1/4"	1'-8"		



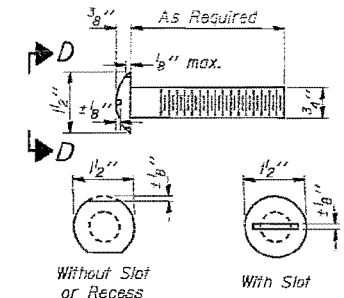
ELEVATION - RAIL SPLICE CONNECTION
AT EXPANSION JT.



SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE AT
TYPICAL



VIEW D-D
ROUND HEAD BOLT
1 1/2" Holes for 1" x 4" Round Head Bolts.
Provides 2 flat washers & locknuts for guard
rail connection shown on Std. 2340.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type T-1 (Modified)	Lin. Ft.	3551

**TYPE T-1
STEEL RAILING (MODIFIED)
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00**

DESIGNED *Ralph E. Anderson*
CHECKED *...*
DRAWN *R. Doty*
CHECKED *REA*

EXAMINED *...*
PASSED *...*
APPROVED *...*

February 9, 1989

R-24A 12-1-83 (11'-0" Maximum Post Spacing)

TOP ANCHOR DEVICE
* Threaded areas shall be plugged or blocked off during pouring of slab.



Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME = 0780047.66A69.025.Ext.Plan.dgn

USER NAME = mhellenenthal
PLOT SCALE =
PLOT DATE = 8/6/2015

DESIGNED -
CHECKED -
DRAWN -
CHECKED -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 25 OF 38
STRUCTURE NO. 078-0047
SHEET NO. EX25 OF EX38 SHEETS

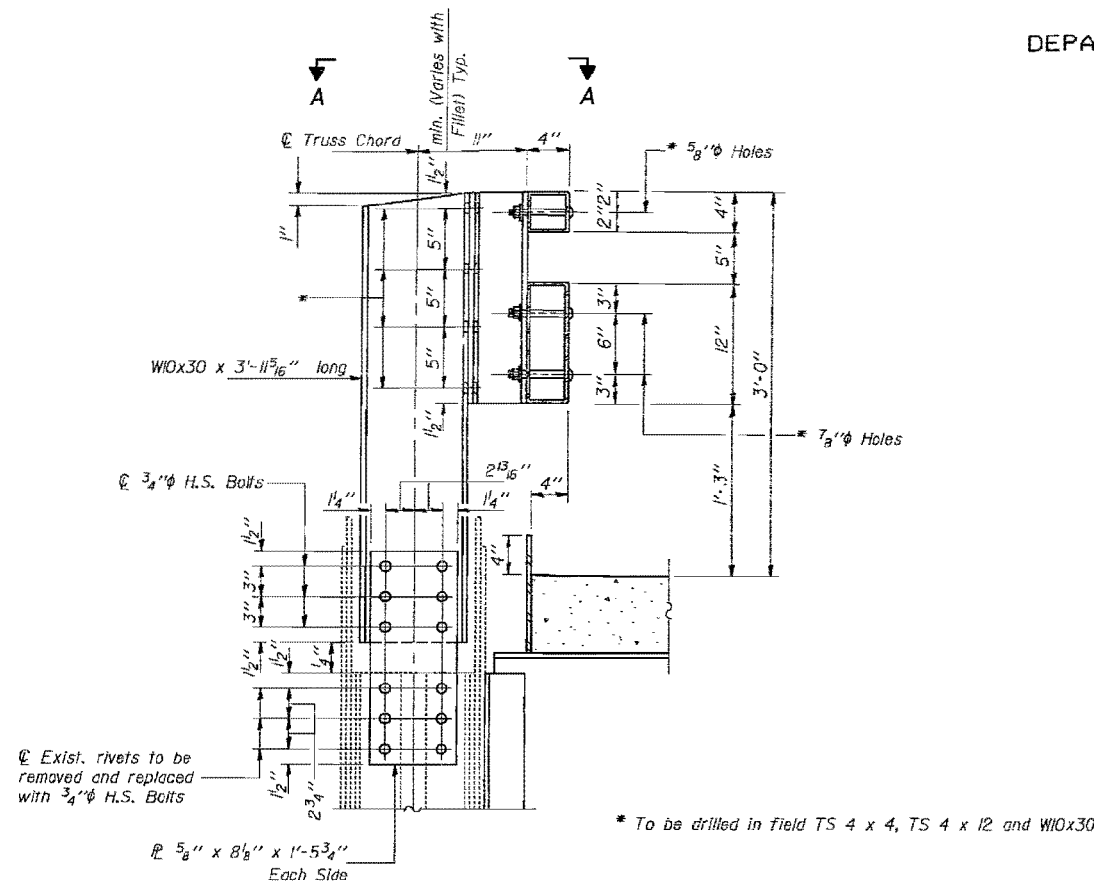
FOR INFORMATION ONLY

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	301
			CONTRACT NO. 66A69	
ILLINOIS FED. AID PROJECT				

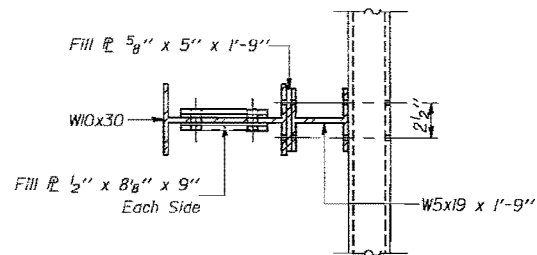
X:\101005\10141.01\Eng-Docs\11.89PhaseII\SpringValleyBridge\Existing Plans\0780047.66A69.025.Ext.Plan.dgn 5:50:17 PM 8/6/2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

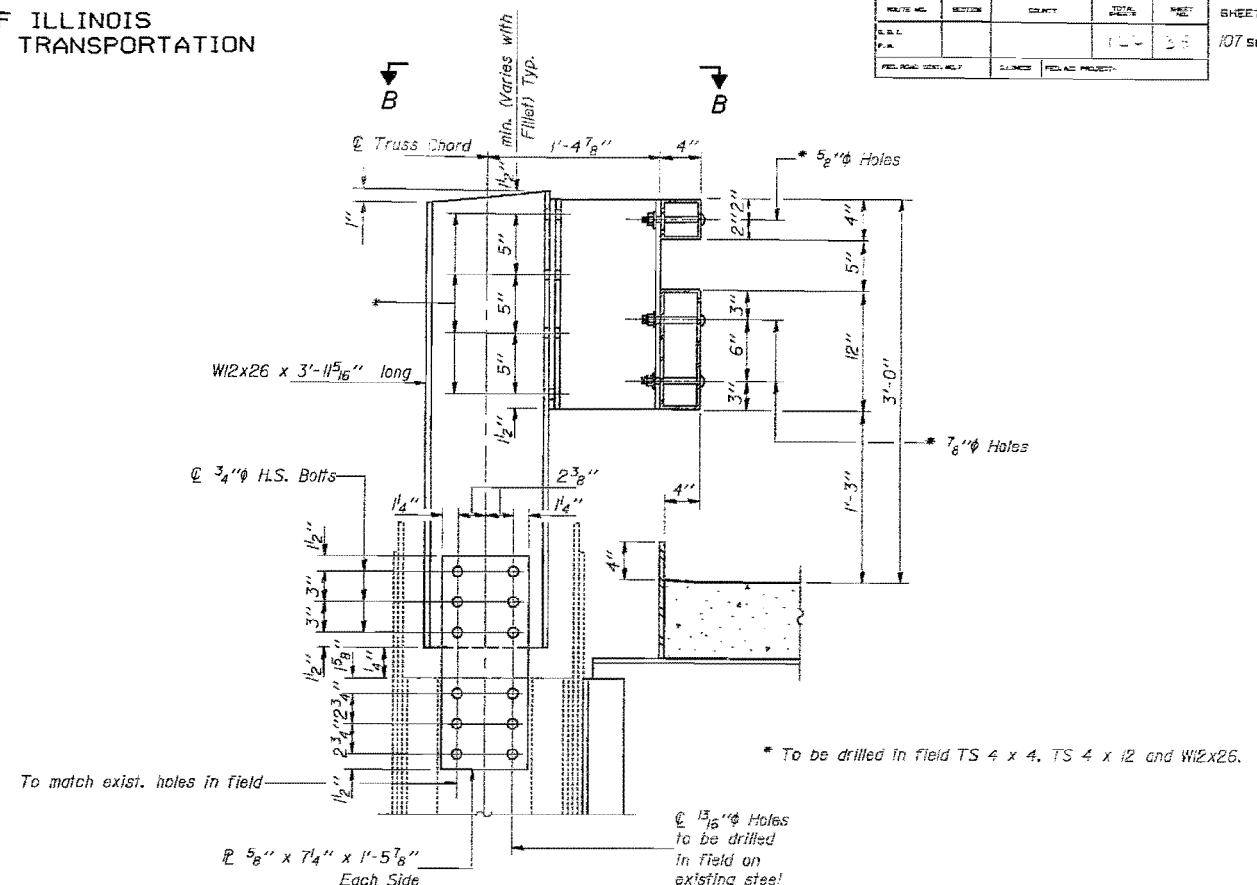
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
			26	107 SHEETS
F.A.P. NO.	SECTION	COUNTY	PROJECT	



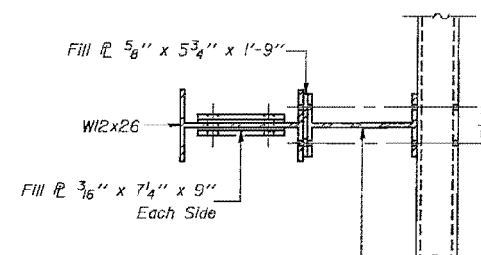
**SECTION AT RAIL POST CONNECTION
AT PANEL POINTS L₀ AND L₈
SPANS 7, 8, 10 & 11
(16 Required)**



VIEW A-A



**SECTION AT RAIL POST
CONNECTION AT PANEL
POINTS L₀ & L₁₄ - SPAN 9
(4 Required)**



VIEW B-B

DESIGNED <i>[Signature]</i>	EXAMINED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	PASSED <i>[Signature]</i>
DRAWN R. Doty	APPROVED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	DIRECTOR OF HIGHWAYS

February 9, 1989

**TYPE T-1
STEEL RAILING (MODIFIED) DETAILS
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00**

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0780047.66A69.026.Ext.Plan.dgn		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 8/6/2015	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING PLANS 26 OF 38
STRUCTURE NO. 078-0047**

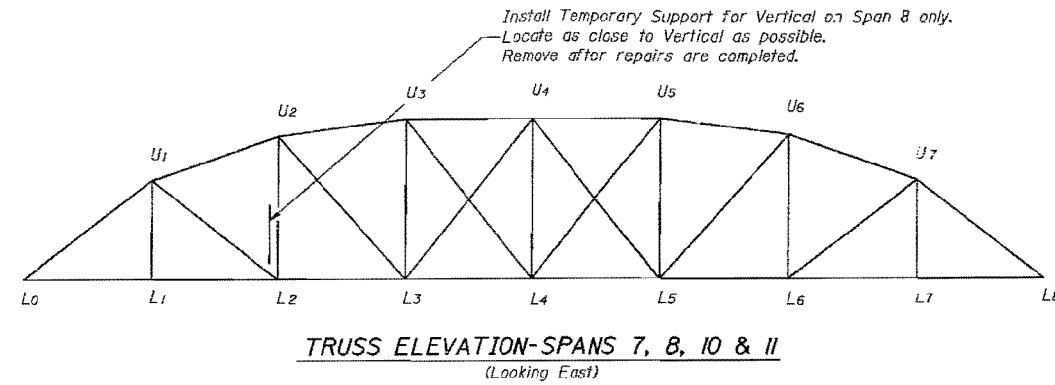
SHEET NO. EX26 OF EX38 SHEETS

FOR INFORMATION ONLY

F.A.P. RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	302
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 28
			122	37	107 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT	



**PORTAL & SWAY FRAME
PULL BACK ONLY LOCATIONS**

Span	Member
7	U4 L4
7	U7 L8
9	U1 L0
10	U1 L0

**SWAY FRAME
GRIND & PULL-
BACK LOCATION**

Span	Member
11	U3 L3

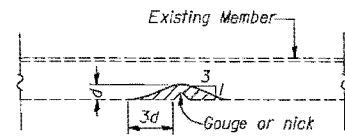
**VERTICALS
PULL-BACK
ONLY LOCATIONS**

Span	Member	Side
8	U4 L4	W
8	U7 L7	E

***** GRIND ONLY LOCATIONS**

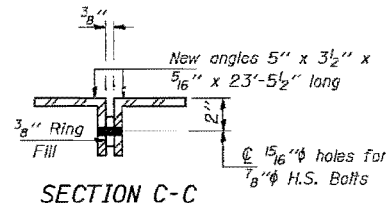
Span	Member	Side	Flange
7	U5 L5	W	N
7	U6 L5	W	N
8	L0 U1	E	N & S
8	U4 L4	E	N & S
8	U6 L6	E	N & S
8	U3 L3	W	N
8	U5 L6	W	N & S
8	U2 L2	W	N
8	U4 L4	W	N & S
8	U5 L5	W	N & S
9	U5 L4	E	S
9	U3 L4	W	N
10	U1 L0	W	N
10	U2 L2	W	N
10	U3 L3	W	N
10	U1 L0	E	S
10	U2 L2	E	S
10	U4 L4	E	S
10	U5 L5	W	N
10	U6 L6	W	N
11	U1 L0	W	N
11	U1 L0	E	N
11	U2 L2	E	S
11	U3 L3	E	S
11	U4 L4	E	S
11	U6 L6	E	S

*** Existing rivets shall be removed and replaced with 3/4" H.S. Bolts when existing rivets or lacing bars encroach on grinding locations. Cost incidental to "Structural Steel Repair".

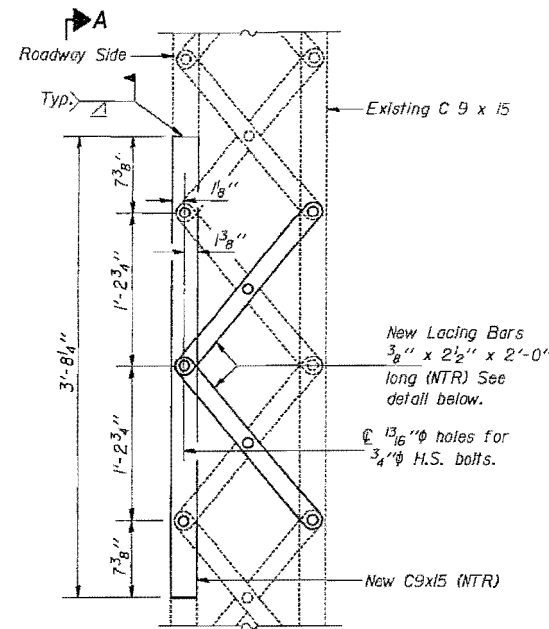


***** GRINDING DETAIL
PLAN**

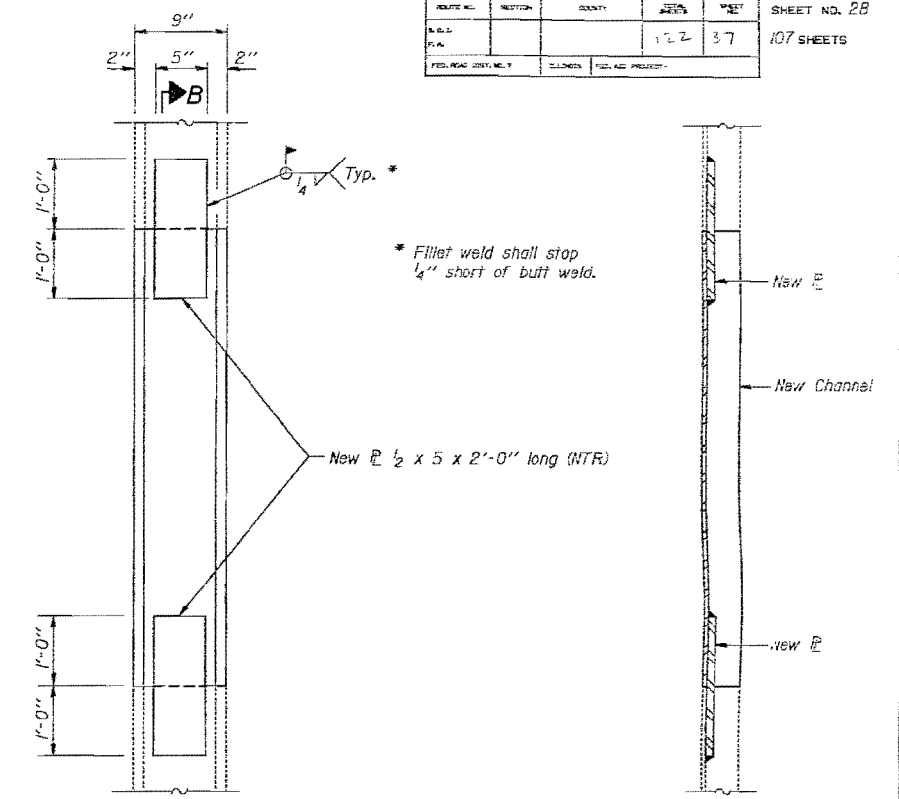
Dimension "d" shall not exceed 1/8" except at Span 10 Panel Point 5 West Truss North Flange of vertical, which shall not exceed 3/8".



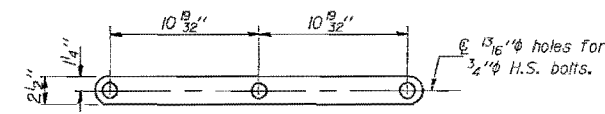
SECTION C-C



VERTICAL MEMBER REPAIR
U2 L2 SPAN 8
(Looking South, West Truss)

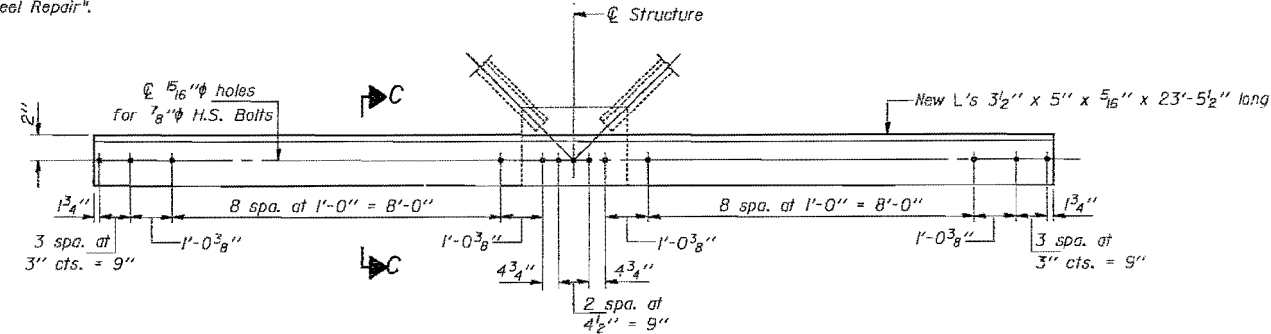


SECTION A-A
SECTION B-B



LACING BAR DETAIL
(2 Req'd. Ea. side of Vertical)

Notes: Lacing bars that are not replaced shall be straightened and reused using 3/4" H.S. Bolts in place of removed existing rivets. All "Structural Steel Repair" shall be made while bridge is closed to traffic. Cost of materials, drilling holes and removing rivets to make structural steel repairs are included in pay item for "Structural Steel Repair". "NTR" denotes material to which Notch Toughness Requirements are applicable.



SWAY FRAME REPLACEMENT
U5 L5 SPAN 7, 8 & 11
U4 L4 SPAN 8

**BILL OF MATERIAL
FOR 200'-0" TRUSS**

Item	Unit	Total
Temporary Support System	Each	1

** Maximum compression in member is 4.3k if deck is completely removed, 0.8k tension if deck remains in place with no live load.

STRUCTURAL STEEL REPAIR
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED: *[Signature]*
CHECKED: *[Signature]*
DRAWN: R. Summer
CHECKED: *[Signature]* REA sm
EXAMINED: *[Signature]* February 9, 1989
PASSED: *[Signature]*
APPROVED: *[Signature]*
DIRECTOR OF HIGHWAYS

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0780047.66A69.027.Ext.Plan.dgn	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = 8/6/2015	DRAWN -	REVISED -
		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

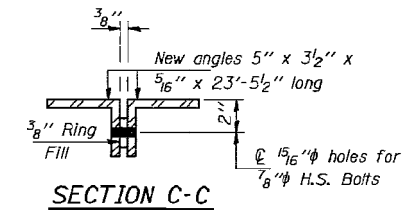
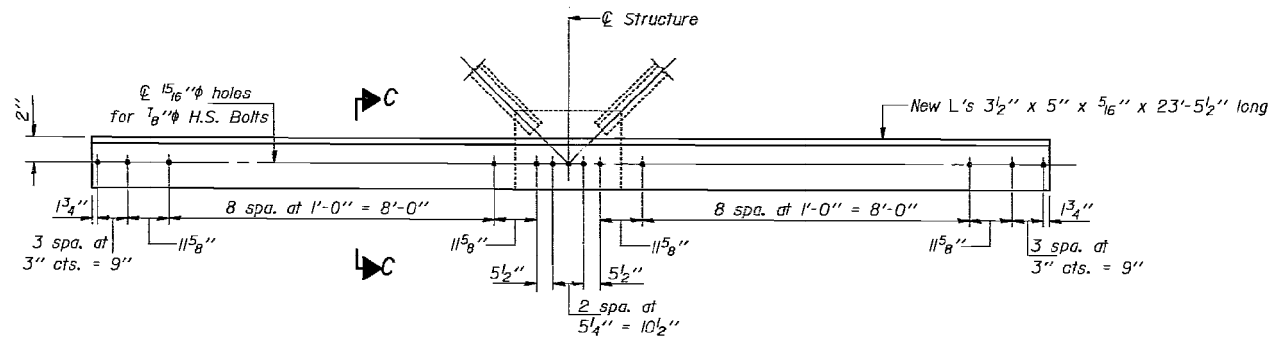
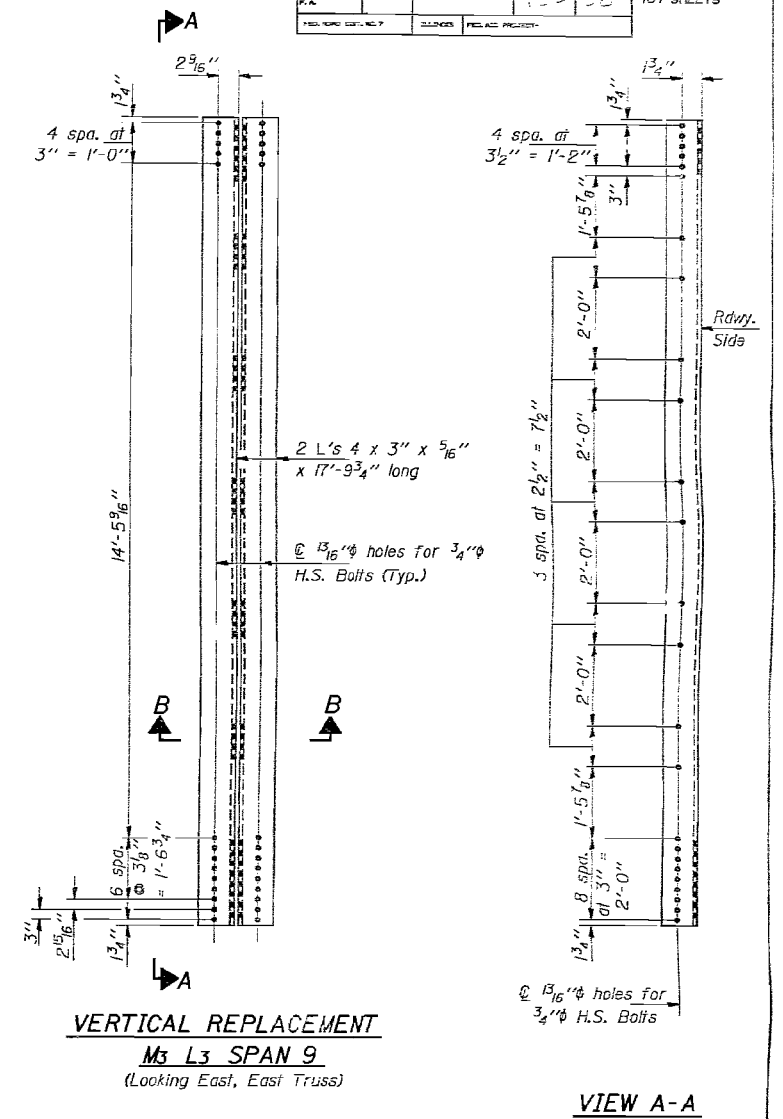
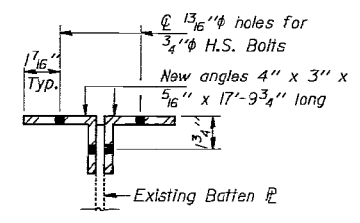
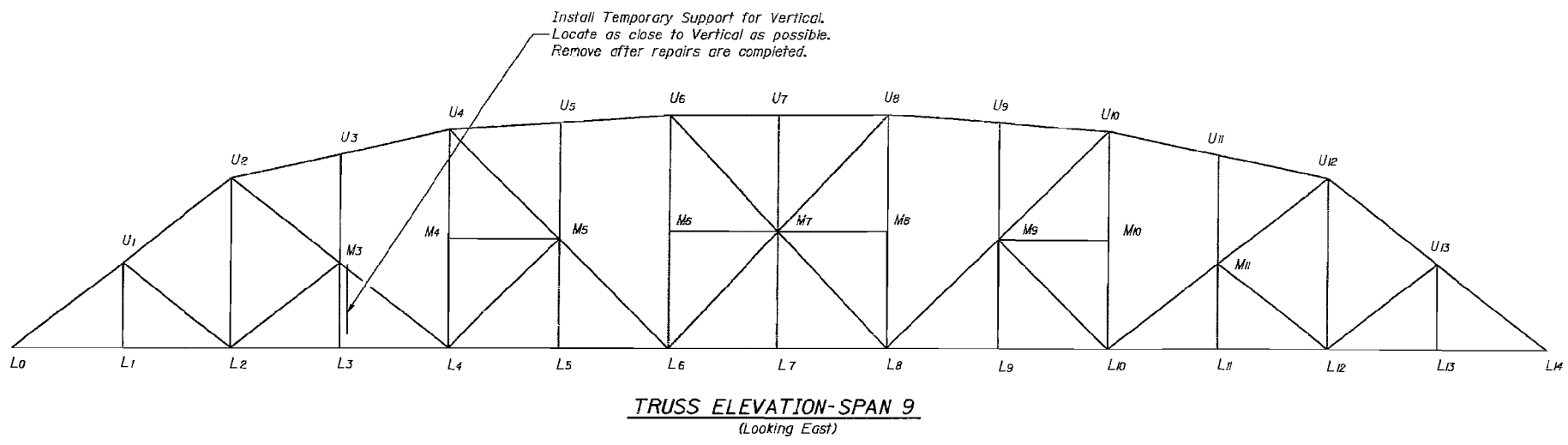
EXISTING PLANS 27 OF 38
STRUCTURE NO. 078-0047
SHEET NO. EX27 OF EX38 SHEETS

FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	303
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO. 29
F.A.R.			107	107 SHEETS
DESIGNED BY	DRAWN BY	CHECKED BY	DATE	



BILL OF MATERIAL FOR 362'-10" TRUSS

Item	Unit	Total
** Temporary Support System	Each	1

** Maximum tension in member is 15.4^k if deck is completely removed, 43.6^k tension if deck remains in place with no live load.

STRUCTURAL STEEL REPAIR
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 DRAWN: R. Sommer
 CHECKED: REA
 EXAMINED: *[Signature]*
 PASSED: *[Signature]*
 APPROVED: *[Signature]*
 February 9, 1989
 ENGINEER OF STRUCTURAL DESIGN
 ENGINEER OF BRIDGE STRUCTURES
 DIRECTOR OF HIGHWAYS

benesch
 Alfred Benesch & Company
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0780047.66A69.028.Ext.Plan.dgn		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 8/6/2015	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 28 OF 38
 STRUCTURE NO. 078-0047
 SHEET NO. EX28 OF EX38 SHEETS

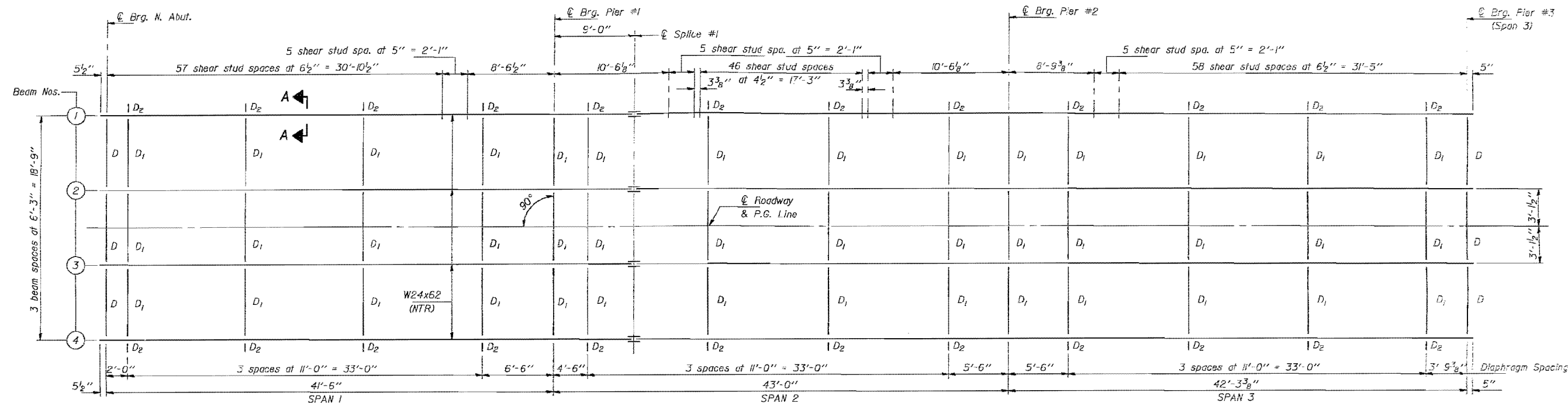
FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	304
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	

X:\101005\10141.01\Eng-Docs\IL89PhaseII\SpringValleyBridge\Final\Plans\Existing Plans\0780047.66A69.028.Ext.Plan.dgn 5:50:21 PM 8/6/2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

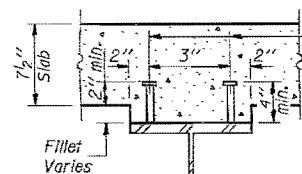
ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO. 33
			107	107 SHEETS
FED. ROAD DIST. NO. 7	ELEMENT	FED. AID PERCENT		



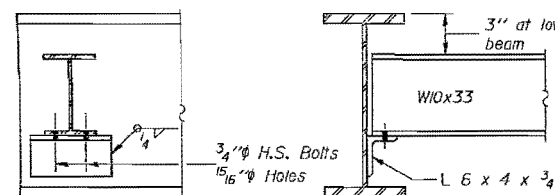
FRAMING PLAN

NTR denotes members to which Notch Toughness Requirements are applicable.

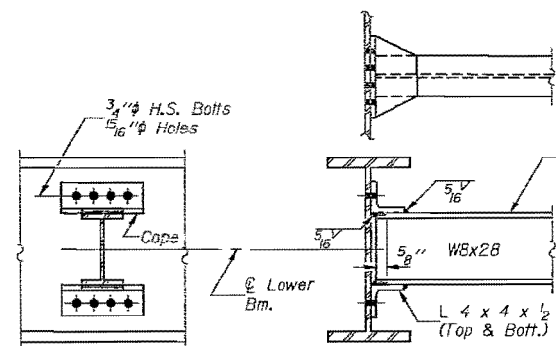
3/4" Granular or solid flux filled headed studs, conforming to the requirements of Art. 710.38 of the Standard Specifications automatically end welded to flange. (1488 Required - Spans 1, 2 & 3)



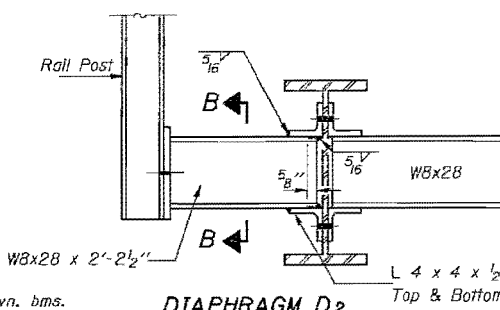
SECTION A-A



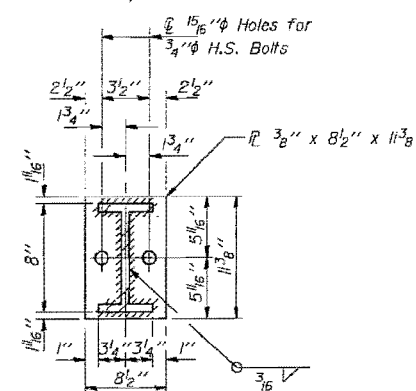
DIAPHRAGM D
(6 Required)



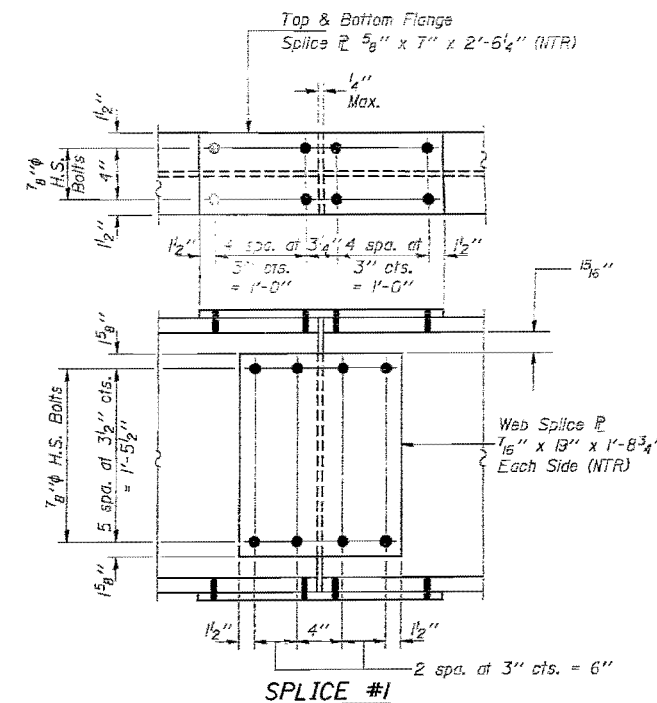
DIAPHRAGM D1
(42 Required)



DIAPHRAGM D2
(24 Required)



SECTION B-B



SPLICE #1

STRUCTURAL STEEL
SPANS 1, 2 AND 3
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED	Sheldon S. Higginbotham	EXAMINED	February 9, 1989 Dorji D. Kaspar
CHECKED	Handy J. Siple	PASSED	James I. Kaufman
DRAWN	R. Doty	APPROVED	Director of Highways
CHECKED	Scott R. REA		

Notes: Hardened washers shall be required over all 15/16" holes when using 3/4" H.S. Bolts.
The longitudinal beams and splice plates shown on this sheet shall be AASHTO M-223 Grade 50 Structural Steel.

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0788047.66A69.029.Ext.Plan.dgn		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 8/6/2015	CHECKED -	REVISED -

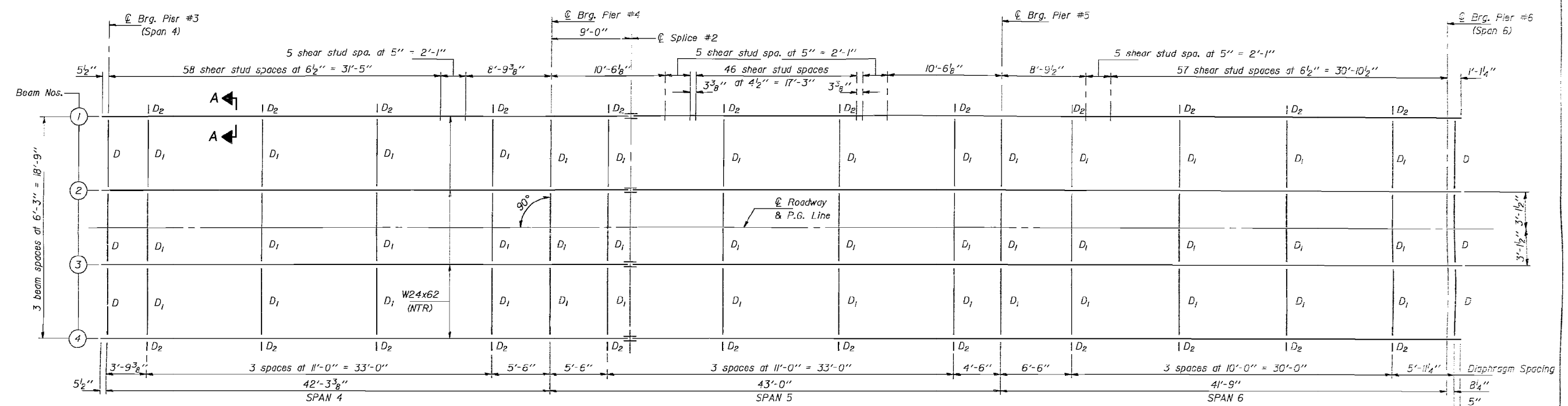
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 29 OF 38
STRUCTURE NO. 078-0047
SHEET NO. EX29 OF EX38 SHEETS

FOR INFORMATION ONLY				
F.A.P. RT. 698	SECTION (1) BR	COUNTY BUREAU/PUTNAM	TOTAL SHEETS 415	SHEET NO. 305
			CONTRACT NO. 66A69	
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

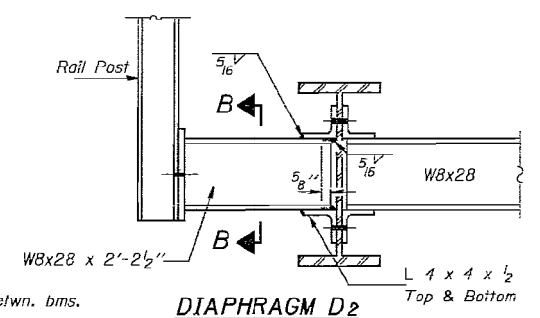
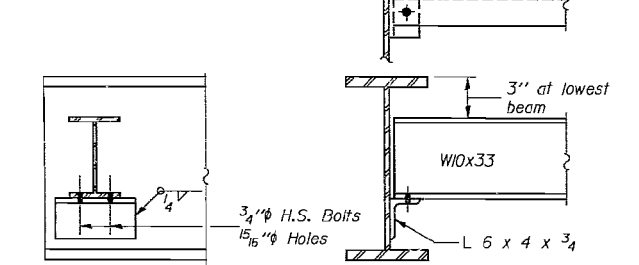
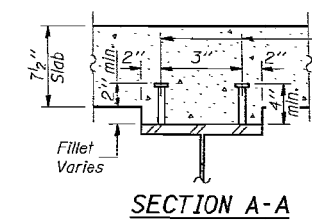
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	306
CONTRACT NO. 66A69				107 SHEETS



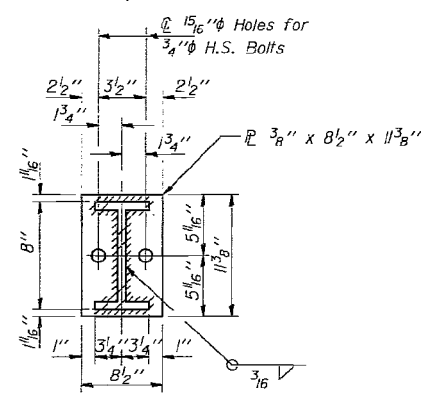
FRAMING PLAN

NTR denotes members to which Notch Toughness Requirements are applicable.

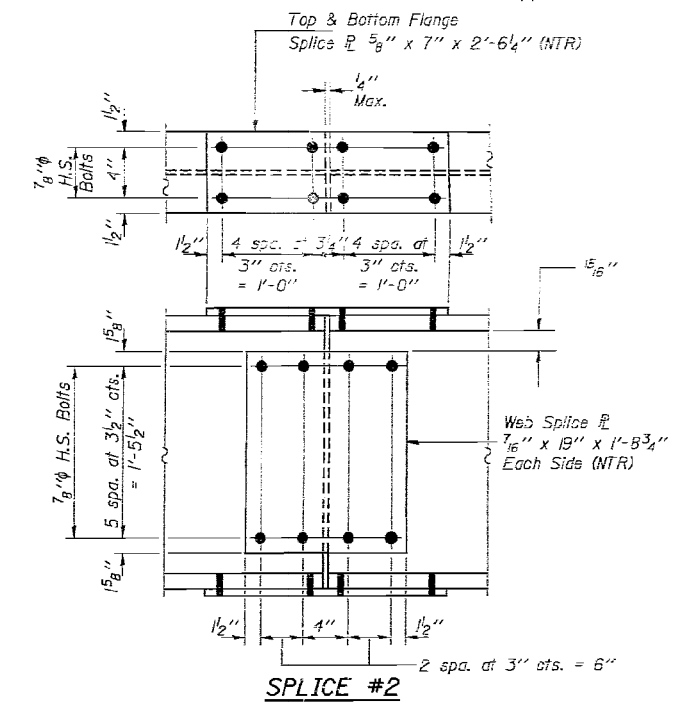
3/4" Granular or solid flux filled headed studs, conforming to the requirements of Art. 710.38 of the Standard Specifications automatically end welded to flange. (488 Required - Spans 4, 5 & 6)



DIAPHRAGM D2
(24 Required)



SECTION B-B



SPLICE #2

STRUCTURAL STEEL
SPANS 4, 5 AND 6
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED	Shel S. Hagan	EXAMINED	February 9, 1989 Craig O. Kaspar
CHECKED	R. Doty	PASSED	James J. Kasper
DRAWN	R. Doty	APPROVED	Director of Highways
CHECKED	SMED REA		

I-2-D 8-30-80

Notes: Hardened washers shall be required over all 15/16" holes when using 3/4" H.S. Bolts.
The longitudinal beams and splice plates shown on this sheet shall be AASHTO M-223 Grade 50 Structural Steel.



FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0780047.66A69.038.Ext.Plan.dgn	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = 8/6/2015	DRAWN -	REVISED -
		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 30 OF 38
STRUCTURE NO. 078-0047
SHEET NO. EX30 OF EX38 SHEETS

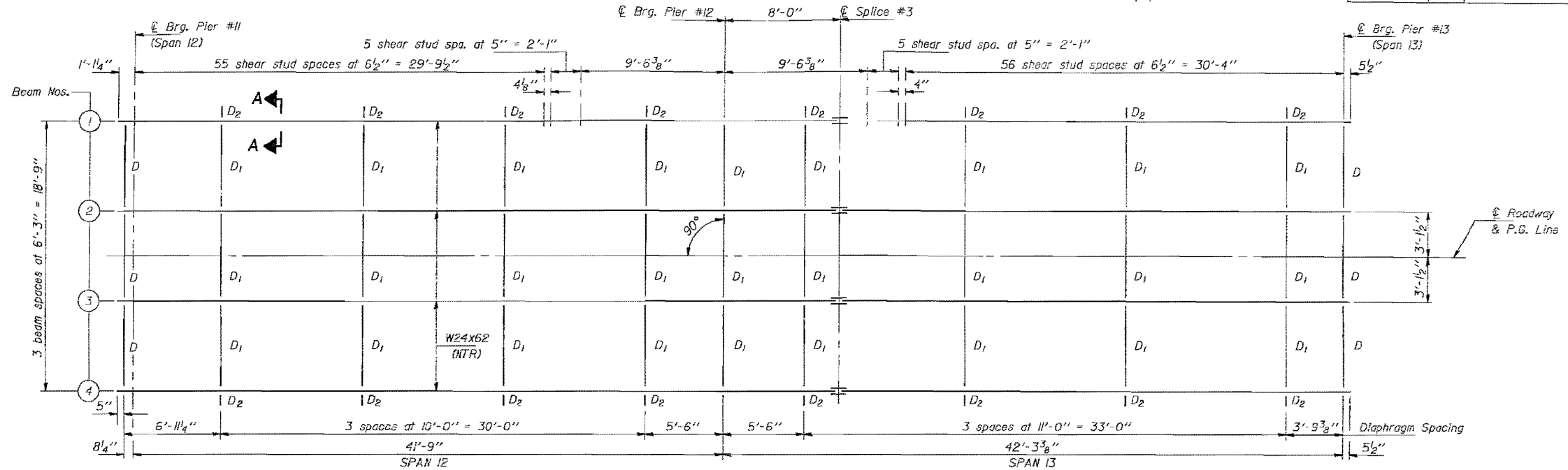
FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	306
CONTRACT NO. 66A69				ILLINOIS FED. AID PROJECT

X:\101005\10141\Eng-Docs\1189PhaseII\SpringValleyBridge\Final\Plans\Existing Plans\0780047.66A69.038.Ext.Plan.dgn 5:50:24 PM 8/6/2015

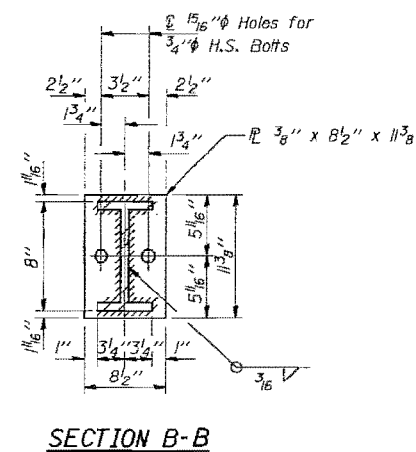
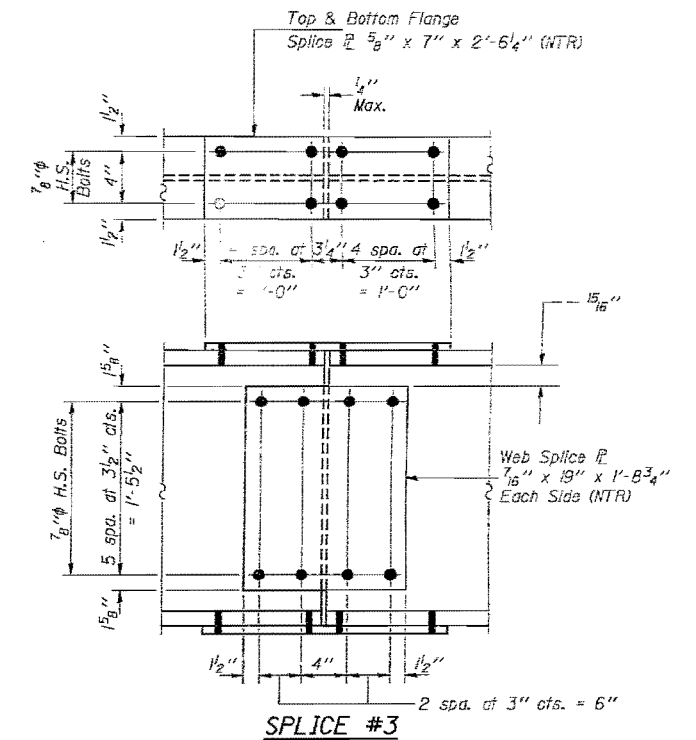
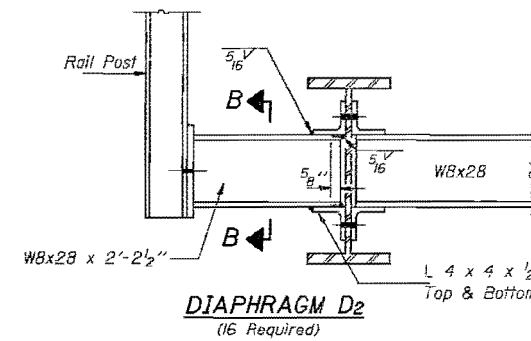
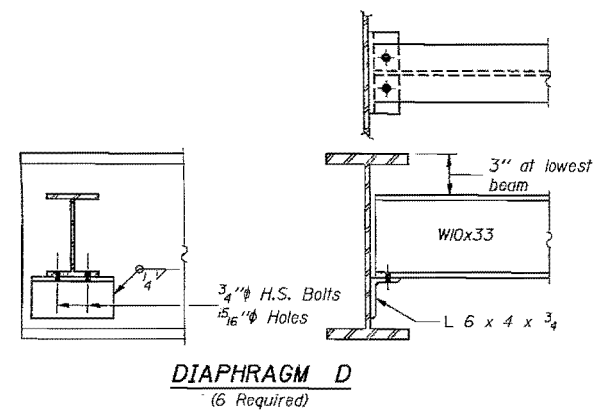
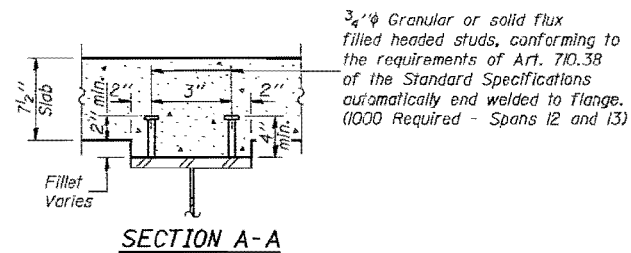
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	307
F.A. RT. 698 SEC. 1B-D				107 SHEETS
BUREAU-PUTNAM COUNTIES				CONTRACT NO. 66A69
STA. 57+32.00				



FRAMING PLAN

NTR denotes members to which Notch Toughness Requirements are applicable.



SECTION B-B

STRUCTURAL STEEL
SPANS 12 AND 13
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED: <i>Shelley M. ...</i>	EXAMINED: <i>Craig D. Kaspar</i>	DATE: February 9, 1989
CHECKED: <i>...</i>	PASSED: <i>James H. ...</i>	
DRAWN: R. Doty	APPROVED: <i>...</i>	
CHECKED: <i>...</i>		
I-2-D 8-30-80		

Notes: Hardened washers shall be required over all 15/16" holes when using 3/4" H.S. Bolts. The longitudinal beams and splice plates shown on this sheet shall be AASHTO M-223 Grade 50 Structural Steel.

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME = 0780047.66A69_031.Ext.Plan.dgn	USER NAME = mhellenenthal	DESIGNED -	REVISD -
	PLOT SCALE =	CHECKED -	REVISD -
	PLOT DATE = 8/6/2015	DRAWN -	REVISD -
		CHECKED -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

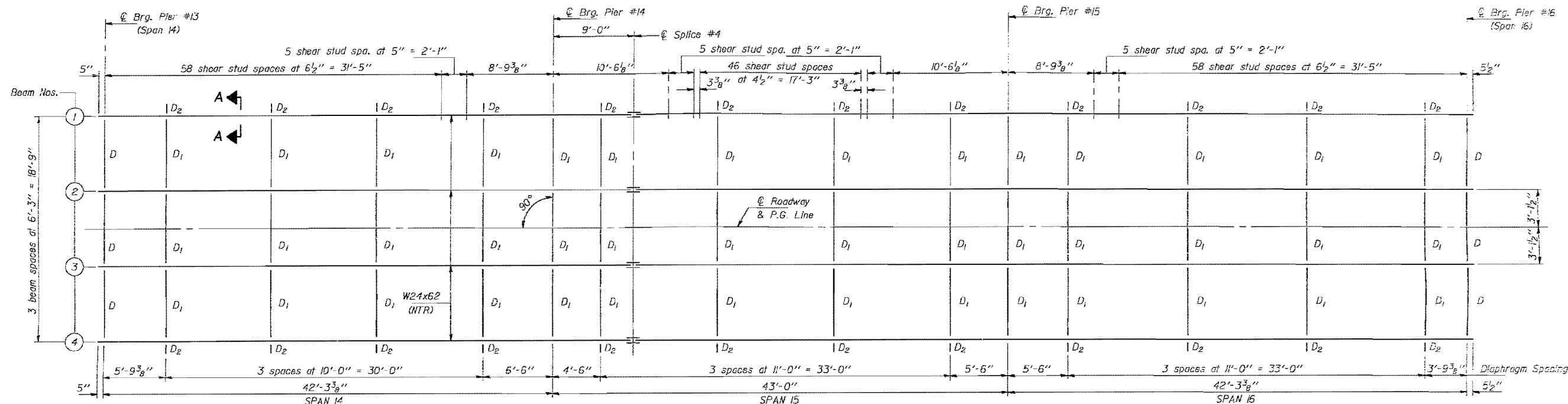
EXISTING PLANS 31 OF 38
STRUCTURE NO. 078-0047
SHEET NO. EX31 OF EX38 SHEETS

FOR INFORMATION ONLY				
F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	307
BUREAU-PUTNAM COUNTIES			CONTRACT NO. 66A69	
ILLINOIS FED. AID PROJECT				

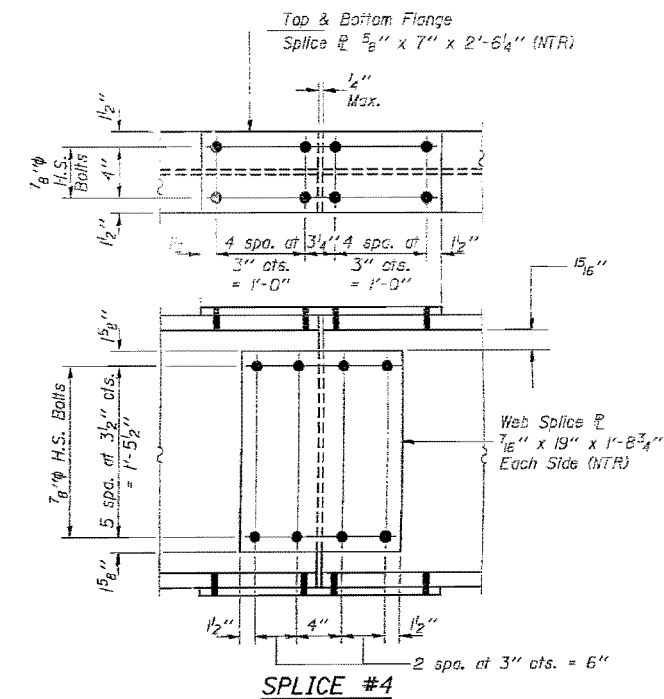
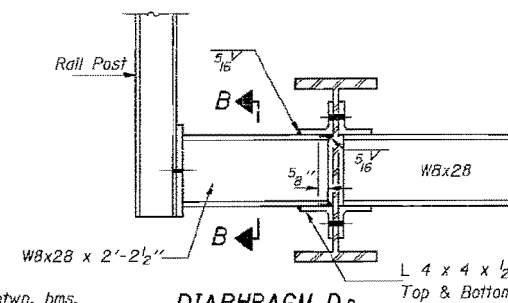
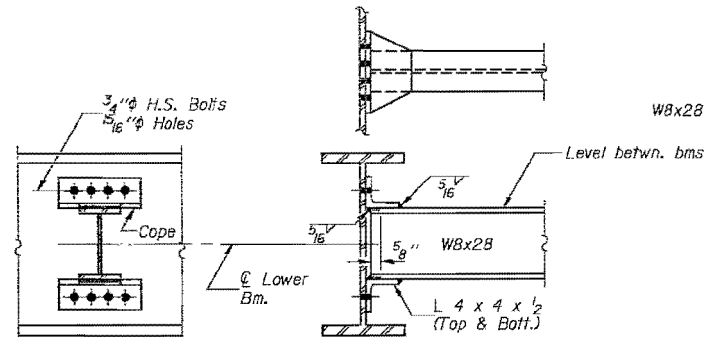
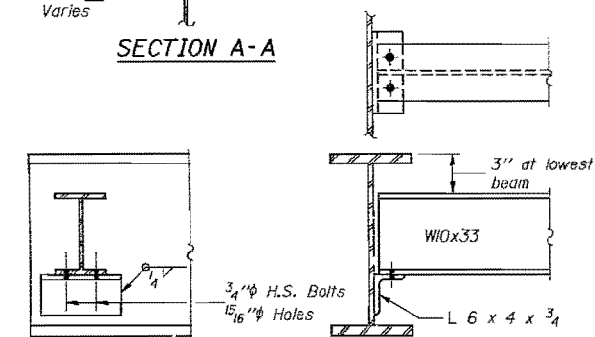
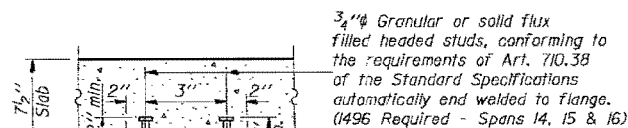
X:\101005\10141\Eng-Docs\IL89PhaseII\SpringValleyBridge\Final\Plans\Existing Plans\0780047.66A69_031.Ext.Plan.dgn 5:50:25 PM 8/6/2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO. 36
			107	107 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	PUTNAM	PROJECT	



NTR denotes members to which Notch Toughness Requirements are applicable.



DESIGNED	Sheldon E. Winkler	EXAMINED	Oran J. Kaspar
CHECKED	Scott J. Sapp	PASSED	James J. Kappeler
DRAWN	R. Doly	APPROVED	James J. Kappeler
CHECKED	Scott J. Sapp		

February 9, 1989

1-2-D 8-30-80

Notes: Hardened washers shall be required over all 1 1/8" holes when using 3/4" H.S. Bolts. The longitudinal beams and splice plates shown on this sheet shall be AASHTO M-223 Grade 50 Structural Steel.



Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME = 0780047.66A69.032.Ext.Plan.dgn

USER NAME = mhellenenthal
DESIGNED -
CHECKED -
PLOT SCALE =
PLOT DATE = 8/6/2015

DESIGNED -
CHECKED -
DRAWN -
CHECKED -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 32 OF 38
STRUCTURE NO. 078-0047

SHEET NO. EX32 OF EX38 SHEETS

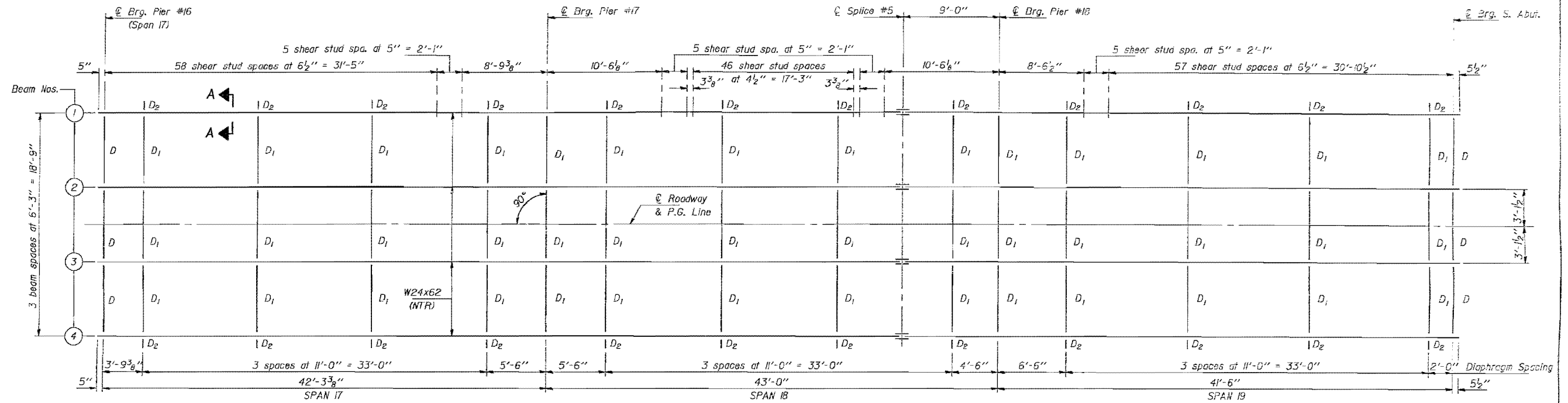
FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	308
			CONTRACT NO. 66A69	

ILLINOIS FED. AID PROJECT

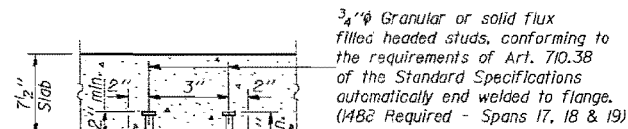
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	309
CONTRACT NO. 66A69				ILLINOIS FED. AID PROJECT

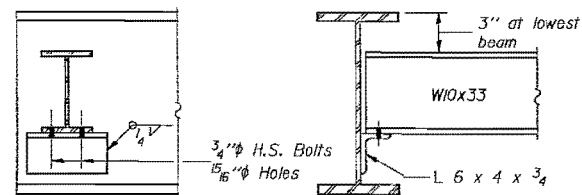


FRAMING PLAN

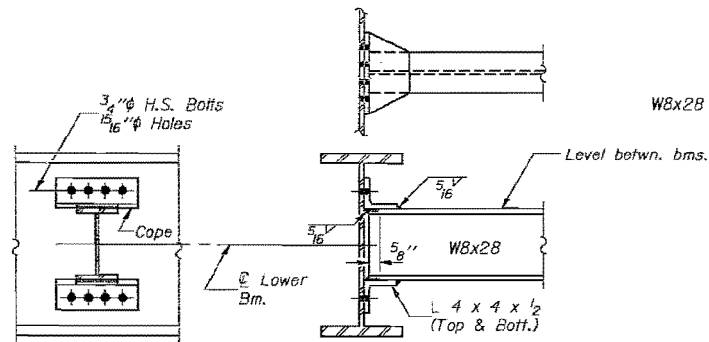
NTR denotes members to which Notch Toughness Requirements are applicable.



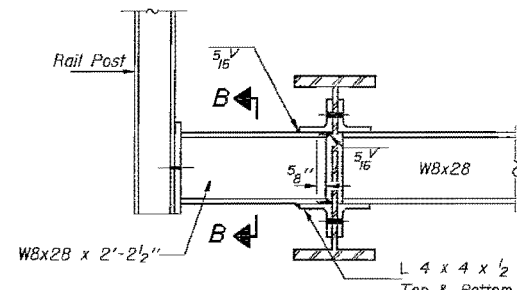
SECTION A-A



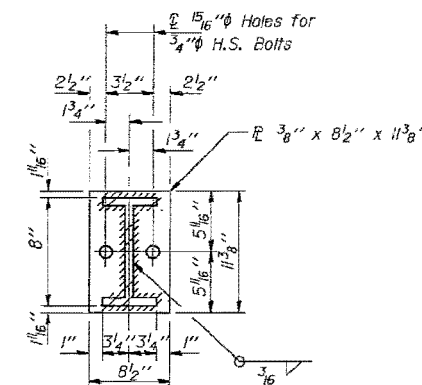
DIAPHRAGM D
(6 Required)



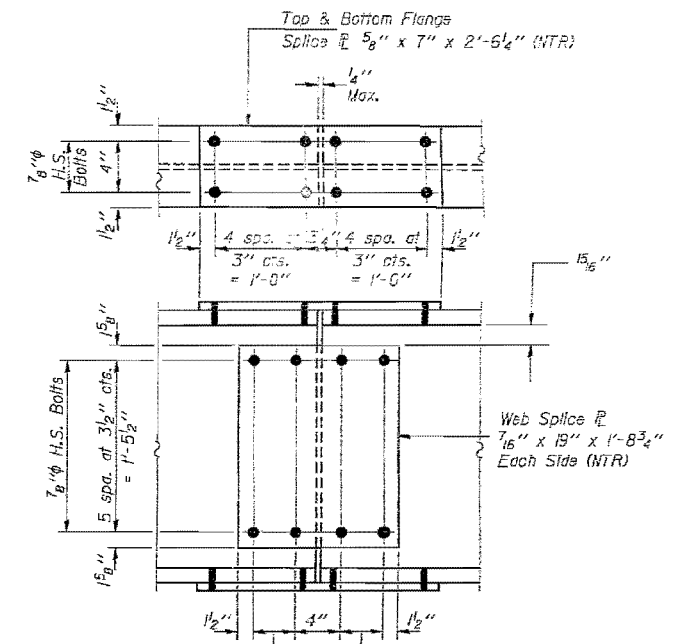
DIAPHRAGM D1
(42 Required)



DIAPHRAGM D2
(24 Required)



SECTION B-B



SPlice #5

STRUCTURAL STEEL
SPANS 17, 18 AND 19
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED	February 9, 1989	EXAMINED	Dr. J. Q. Kasper
CHECKED	H. Dofy	PASSED	James T. Kasper
DRAWN	H. Dofy	APPROVED	Director of Highways
CHECKED	REDA		

Notes: Hardened washers shall be required over all 1 5/16" holes when using 3/4" H.S. Bolts. The longitudinal beams and splice plates shown on this sheet shall be AASHTO M-223 Grade 50 Structural Steel.

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0780047.66A69.033.Ext.Plan.dgn		CHECKED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 33 OF 38
STRUCTURE NO. 078-0047

SHEET NO. EX33 OF EX38 SHEETS

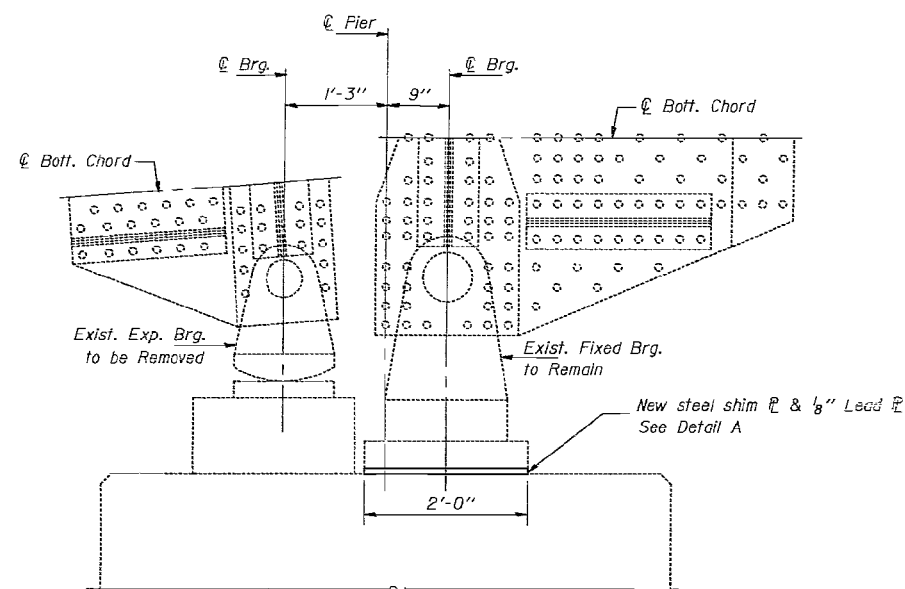
FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	309
CONTRACT NO. 66A69				ILLINOIS FED. AID PROJECT

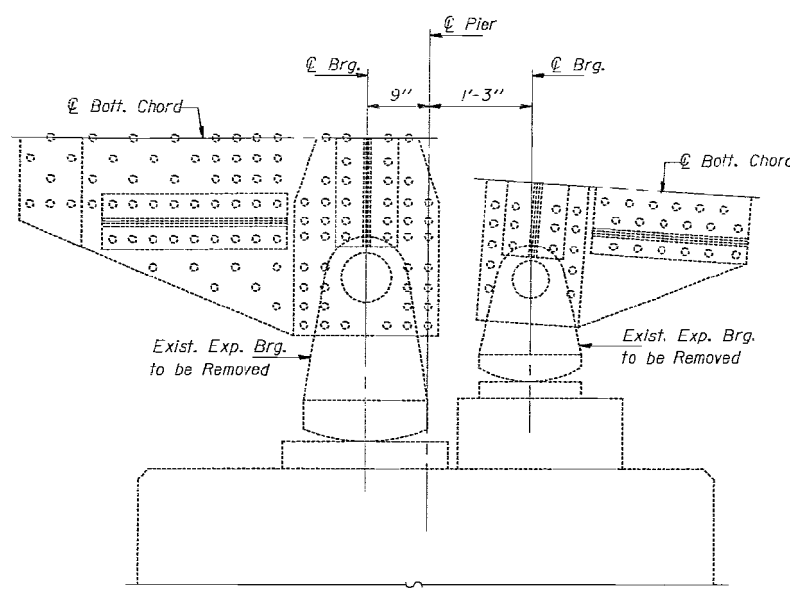
X:\101005\10141.01\Eng-Docs\IL89PhaseII\SpringValleyBridge\Final\Plans\Existing Plans\0780047.66A69.033.Ext.Plan.dgn 8/6/2015 5:50:28 PM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

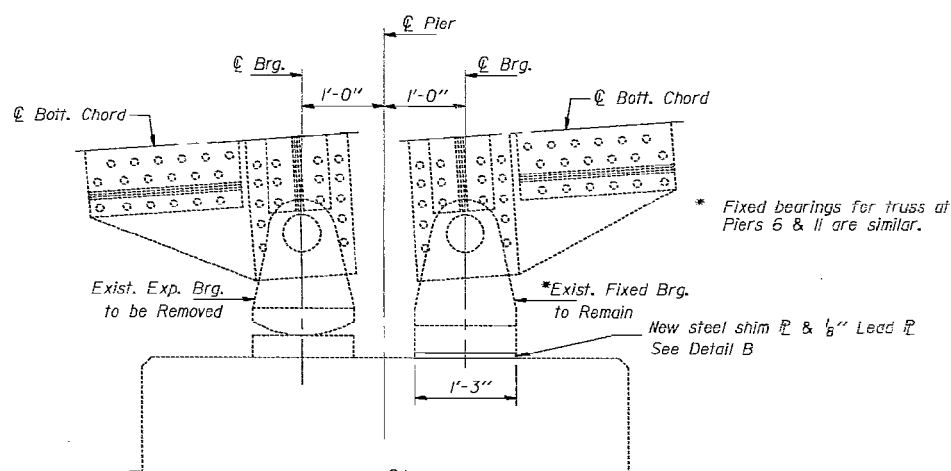
PROJECT NO.	SECTION	COUNTY	SHEETS	SHEET NO. 72
F.A.			107	107 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



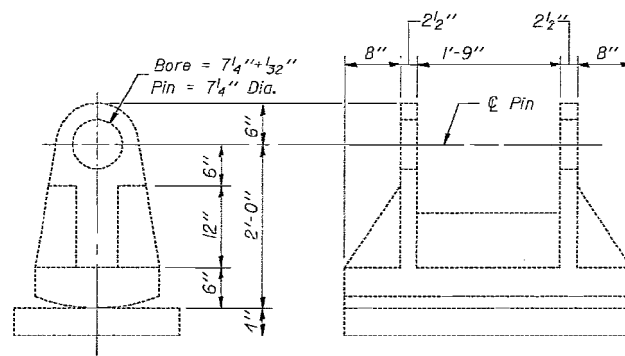
HALF END ELEVATION
(Pier 8 Looking East)



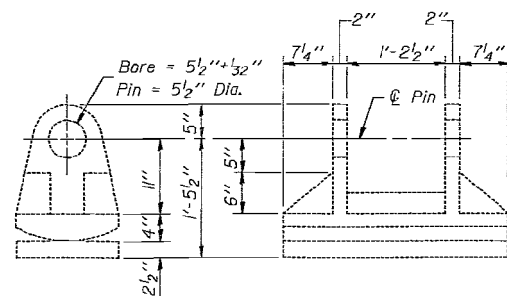
HALF END ELEVATION
(Pier 9 Looking East)



HALF END ELEVATION
(Pier 7 Looking East)
(Pier 10 Looking West)

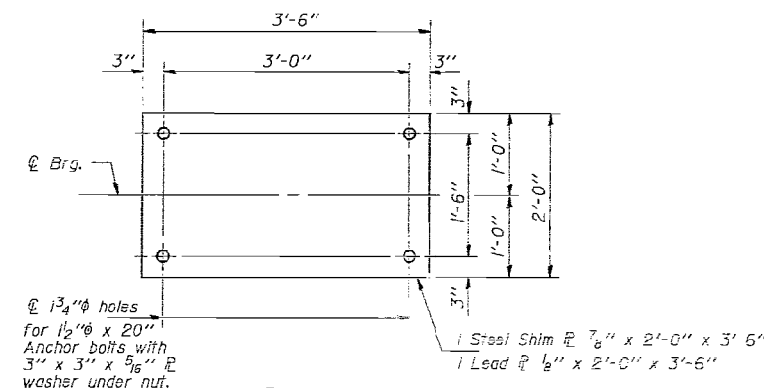


EXISTING EXPANSION BEARING
362'-10" TRUSS SPAN

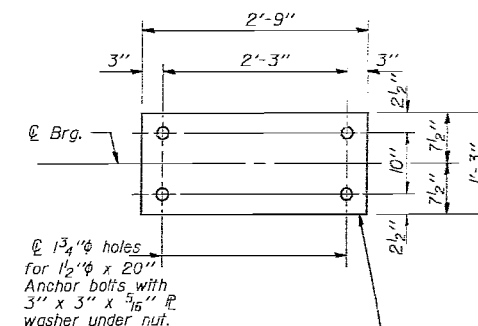


EXISTING EXPANSION BEARING
200' TRUSS SPANS

Notes: Existing rocker bearings shall be removed by cutting the casting at the pin, and the anchor bolts beneath the rocker using a torch or saw. Jacks shall raise the structure 1" Max. to allow cutting of anchor bolts. The structure shall be supported by cribbing as approved by the Engineer while cutting the bearings. Pins shall remain in place and existing gusset plates shall be protected during bearing removal. Any damage caused by the contractor shall be repaired and inspected as directed by the Engineer at the Contractor's expense. After bearing removal, bottom edges of all gusset plates in contact with new bearing plates (6 Total, 3 each side) at each bearing shall be finished to a level, coplanar surface with an ANSI surface roughness of 50C or less. Dimensions from the bottom edge of gusset plates to the top of the final bearing seat shall be verified and shim plates provided to achieve proper final positioning. Cost of any additional shim plates, not shown in these plans shall be incidental to "Structural Steel". For "Jacking and Cribbing" details see sheets #69, #70 & #71 of 107. Quantities for bearing removal are included with "Structural Steel Removal".



PLAN
DETAIL A
(Pier #8)



1 Steel Shim $\frac{7}{8}$ " x 1'-3" x 2'-9" (Piers #7, 10 & 11)
1 Steel Shim $\frac{3}{4}$ " x 1'-3" x 2'-9" (Pier #6)
1 Lead $\frac{1}{8}$ " x 1'-3" x 2'-9" (Piers #6, 7, 10 & 11)

PLAN
DETAIL B
(Piers #6, 7, 10 & 11)

BEARING REMOVAL DETAILS
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED <i>Gerardo Valencia</i>	EXAMINED <i>Craig O. Kaspar</i>	February 9, 1989
CHECKED <i>Joseph J. Hensley</i>	PASSED <i>James J. Kasper</i>	
DRAWN <i>J.T. Downing</i>	APPROVED	
CHECKED <i>W.D.</i>	DIRECTOR OF HIGHWAYS	

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0780047.66A69.034.Ext.Plan.dgn		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 8/6/2015	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 34 OF 38
STRUCTURE NO. 078-0047
SHEET NO. EX34 OF EX38 SHEETS

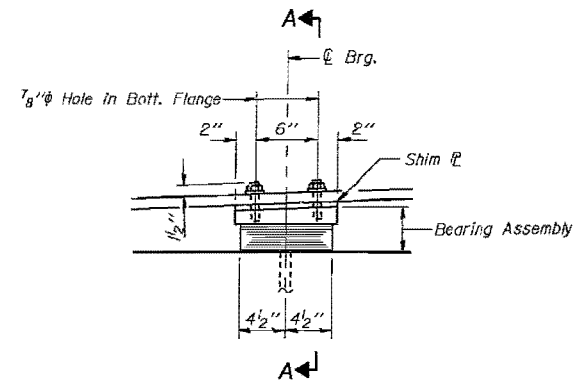
FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	310
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

X:\101005\10141.01\Eng-Docs\11.89PhaseII\SpringValleyBridge\Final\Plans\Existing Plans\0780047.66A69.034.Ext.Plan.dgn 5:50:29 PM 8/6/2015

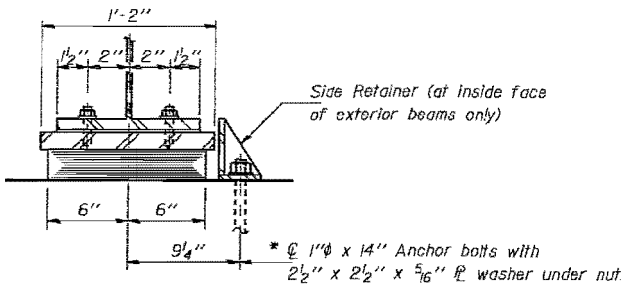
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	PAGE	SHEET NO. 73
F.A. RT.			107	30	107 SHEETS
FED. ROAD DIST. NO. 7	BRIDGE	FELLS PROJECT			

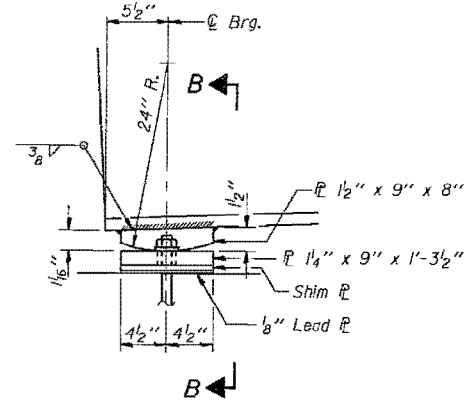


**ELEVATION AT PIERS #1, #2, #4, #5,
#12, #14, #15, #17 & #18**
(Piers #1, #2, #4 & #5 - Looking East)
(Piers #12, #14, #15, #17 & #18 - Looking West)

TYPE I ELASTOMERIC EXP. BRG.

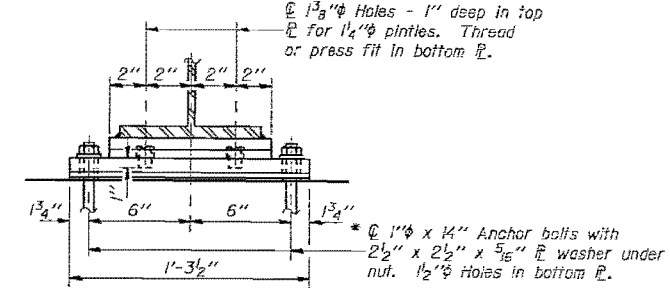


SECTION A-A

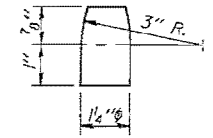


**ELEVATION AT N. ABUT., PIERS #3 (SPAN 4),
#13 (SPAN 13), #16 (SPAN 16) & S. ABUT.**
(N. Abut. & Pier #3 (Span 4) - Looking East)
(Piers #13 (Span 13), #16 (Span 16) & S. Abut. - Looking West)

FIXED BEARING
(20 Required)

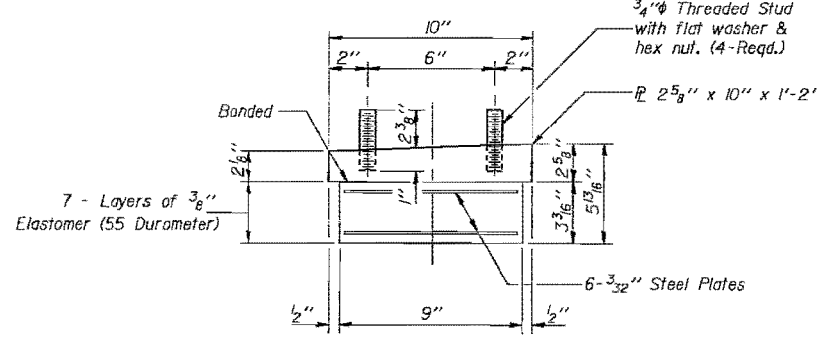


SECTION B-B



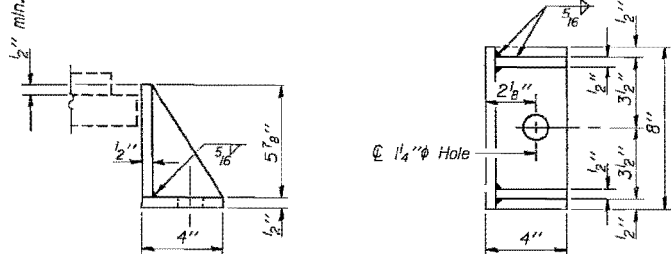
PINTLE

* Notes: Anchor bolts at fixed bearings may be built into the masonry.
See sheet #107 of 107 for anchor bolt installation details.



BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	35

**BEARING DETAILS
APPROACH SPANS
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00**

DESIGNED	Shirley E. Magruder
CHECKED	James J. Rauburn
DRAWN	R. Doty
CHECKED	James J. Rauburn

EXAMINED	February 9, 1987
PASSED	James J. Rauburn
APPROVED	James J. Rauburn

I-2-EI 12-1-83

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISIONS -
0780047.66A69.035.Ext.Plan.dgn		CHECKED -	REVISIONS -
	PLOT SCALE =	DRAWN -	REVISIONS -
	PLOT DATE = 8/6/2015	CHECKED -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 35 OF 38
STRUCTURE NO. 078-0047
SHEET NO. EX35 OF EX38 SHEETS

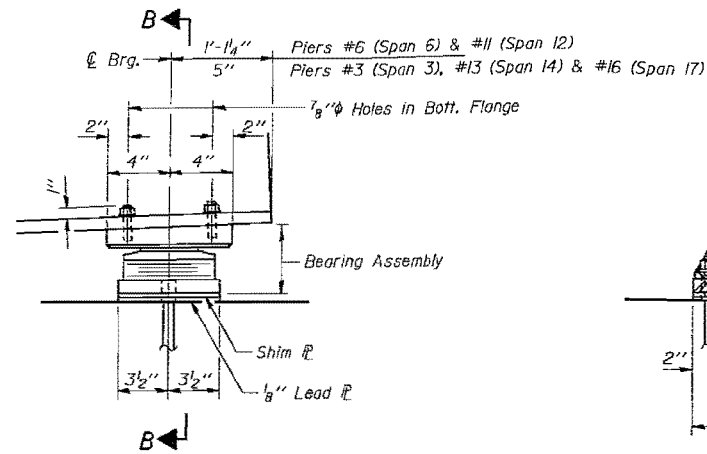
FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	311
			CONTRACT NO. 66A69	
ILLINOIS FED. AID PROJECT				

X:\101005\10141.01\Eng-Docs\11.89PhaseII\SpringValleyBridge\Final\Plans\Existing Plans\0780047.66A69.035.Ext.Plan.dgn 5:50:31 PM 8/6/2015

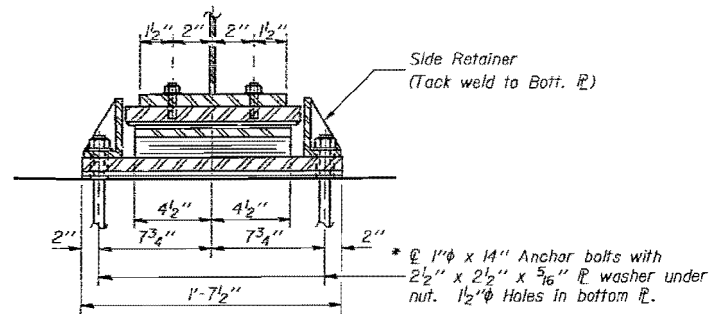
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
			107	74
SHEET NO. 74				
107 SHEETS				

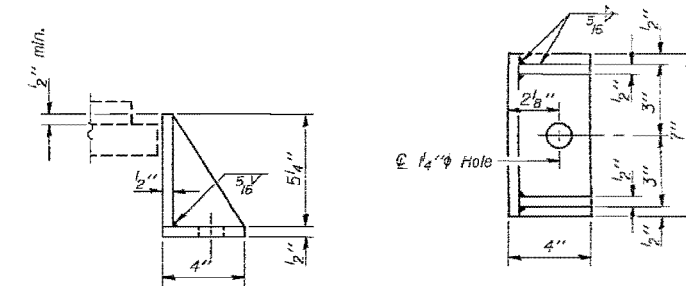


ELEVATION AT PIERS #3 (SPAN 3), #6 (SPAN 6), #11 (SPAN 12), #13 (SPAN 14) & #16 (SPAN 17)
(Piers #3 (Span 3) & #6 (Span 6) - Looking East)
(Piers #11 (Span 12), #13 (Span 14) & #16 (Span 17) - Looking West)

TYPE II TFE ELASTOMERIC EXP. BRG.

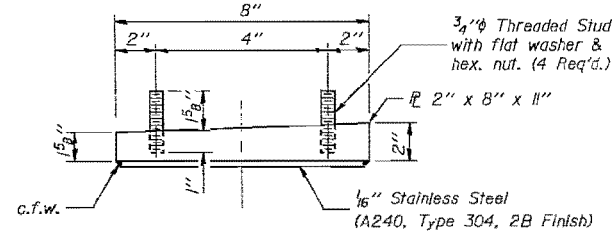


SECTION B-B

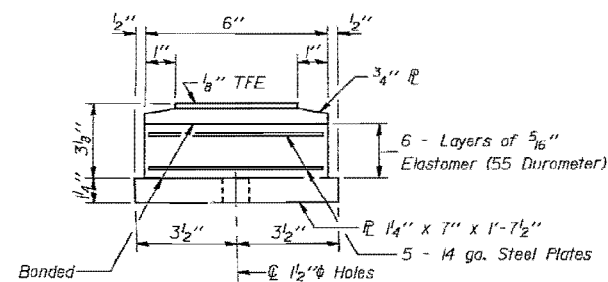


SIDE RETAINER

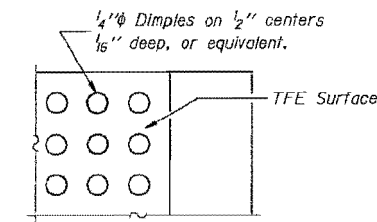
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



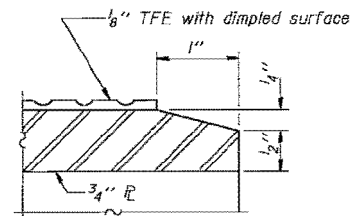
TOP BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY



PLAN - TFE SURFACE

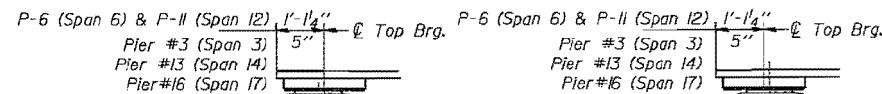


SECTION THRU TFE

Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

* See sheet #107 of 107 for anchor bolt installation details.



BELOW 50°F.
(Move bott. brg. away from fixed brg.)

ABOVE 50°F.
(Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	20

BEARING DETAILS

APPROACH SPANS

F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED <i>Shirley M. Maguire</i>	EXAMINED <i>Greg J. Keppner</i>
CHECKED <i>Shirley M. Maguire</i>	PASSED <i>James J. Robinson</i>
DRAWN <i>R. Doty</i>	APPROVED
CHECKED <i>RE</i>	

February 9, 1989

1-2-E2 12-1-83

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0780047.66A69.036.Ext.Plan.dgn		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 8/6/2015	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 36 OF 38
STRUCTURE NO. 078-0047

SHEET NO. EX36 OF EX38 SHEETS

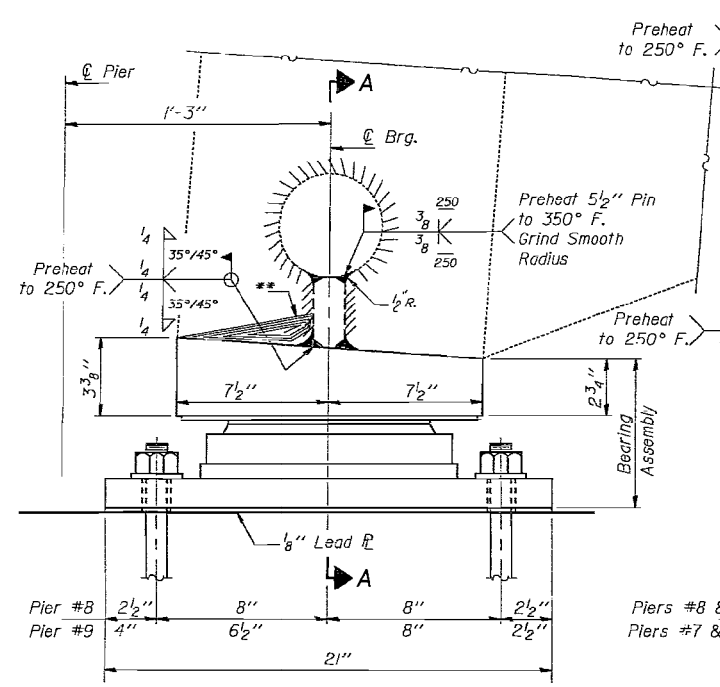
FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	312
CONTRACT NO. 66A69				
ILLINOIS FED. AID PROJECT				

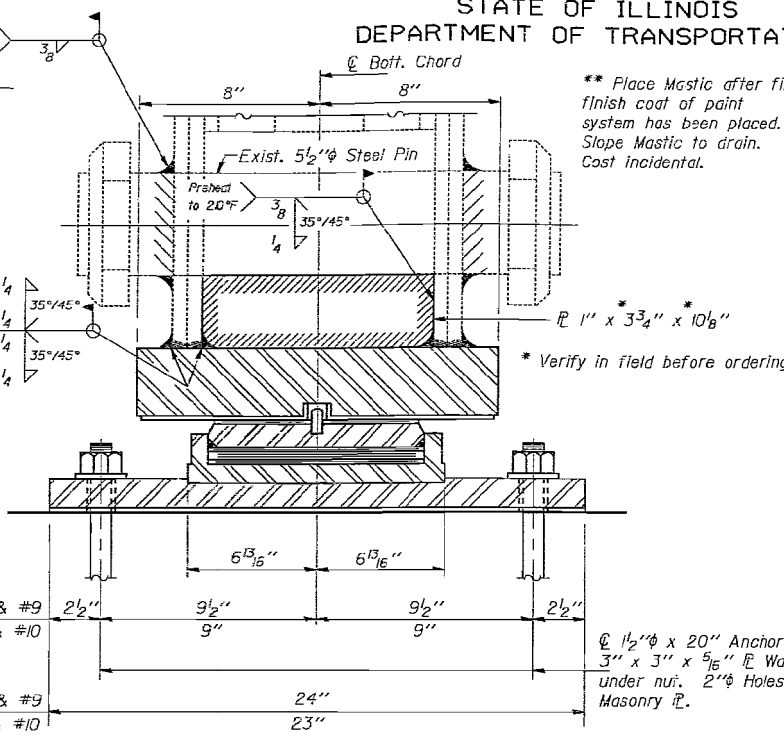
X:\101005\10141.01\Eng-Docs\11.89PhaseII\SpringValleyBridge\Final\Plans\Existing Plans\0780047.66A69.036.Ext.Plan.dgn 5:50:32 PM 8/6/2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	REVISION	BY	NO.

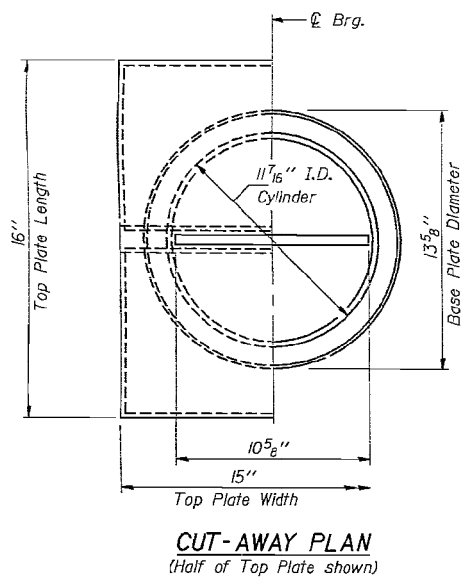


ELEVATION AT PIERS 8 & 9
200' TRUSS SPANS



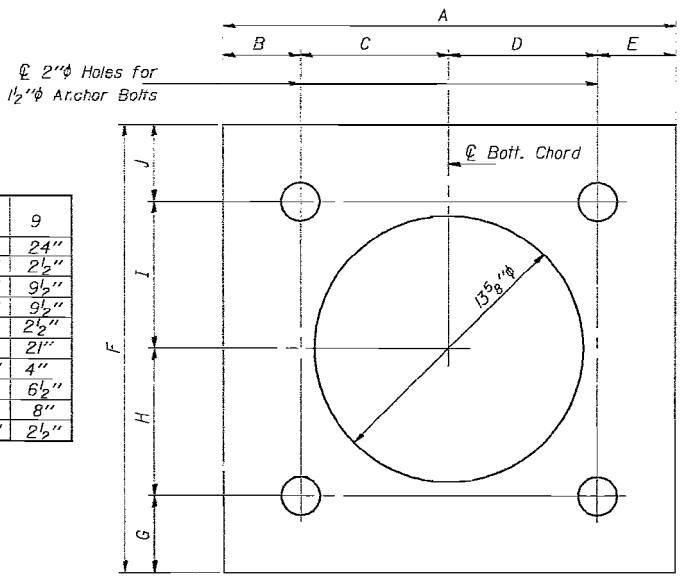
ELEVATION AT PIERS 7 & 10
200' TRUSS SPANS

BEARING DATA	
R _{BE}	185.0 k
R _{LE}	94.8 k
R _T	14.5 k
R _{TOTAL}	294.4 k
Expansion Length (Span#)	
7	200'-0"
8	200'-0"
10	200'-0"
11	200'-0"



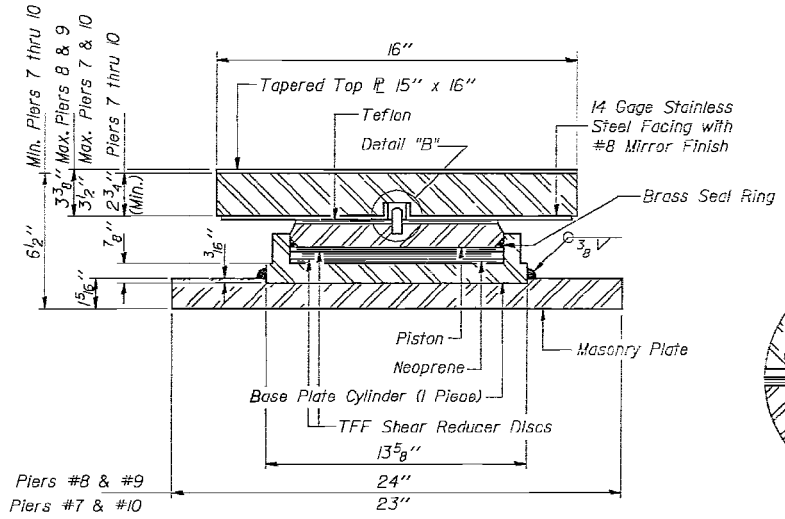
CUT-AWAY PLAN
(Half of Top Plate shown)

SECTION A-A
EXPANSION FLOATING BEARING
(8 Required)

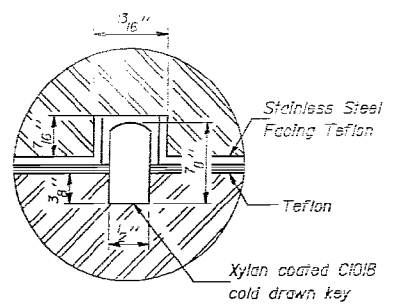


MASONRY PLATE DETAIL

Pier	7 & 10	8	9
Dim. A	23"	24"	24"
B	2 1/2"	2 1/2"	2 1/2"
C	9"	9 1/2"	9 1/2"
D	9"	9 1/2"	9 1/2"
E	2 1/2"	2 1/2"	2 1/2"
F	23"	21"	21"
G	2 1/2"	2 1/2"	4"
H	9"	8"	6 1/2"
I	9"	8"	8"
J	2 1/2"	2 1/2"	2 1/2"



BEARING ASSEMBLY



DETAIL "B"

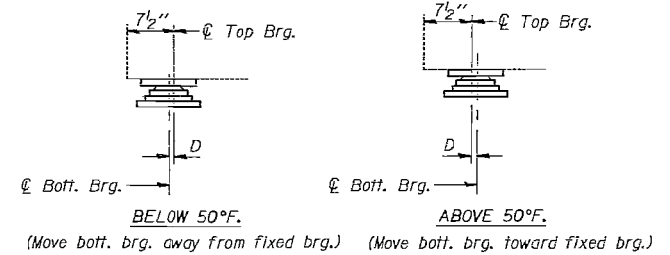
BILL OF MATERIAL

Item	Unit	Total
Floating Bearings, Guided Expansion 300 k	Each	8

EXPANSION BEARING DETAILS
200' TRUSS SPANS
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED: *[Signature]*
CHECKED: *[Signature]*
DRAWN: J.T. Downing
CHECKED: *[Signature]*
EXAMINED: *[Signature]*
PASSED: *[Signature]*
APPROVED: *[Signature]*
FEBRUARY 9, 1989
ENGINEER OF BRIDGES AND STRUCTURES
DIRECTOR OF HIGHWAYS

Notes: For anchor bolt details see sheet #107 of 107.
The plates of the Bearing Assembly shall be AASHTO M223, Grade 50.



SETTING ANCHOR BOLTS AT EXP. BRG.
D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

benesch
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME =	USER NAME = mhellenenthal	DESIGNED -	REVISED -
0780047.66A69.037.Ext.Plan.dgn		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 8/6/2015	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 37 OF 38
STRUCTURE NO. 078-0047
SHEET NO. EX37 OF EX38 SHEETS

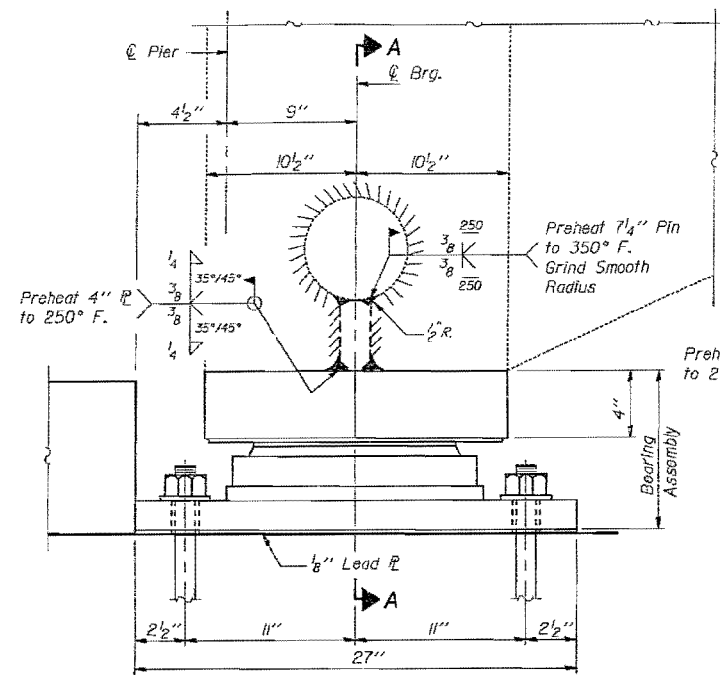
FOR INFORMATION ONLY

F.A.P. RT.	SECTION	TOTAL SHEETS	SHEET NO.
698	(1) BR	415	313
ILLINOIS FED. AID PROJECT		CONTRACT NO. 66A69	

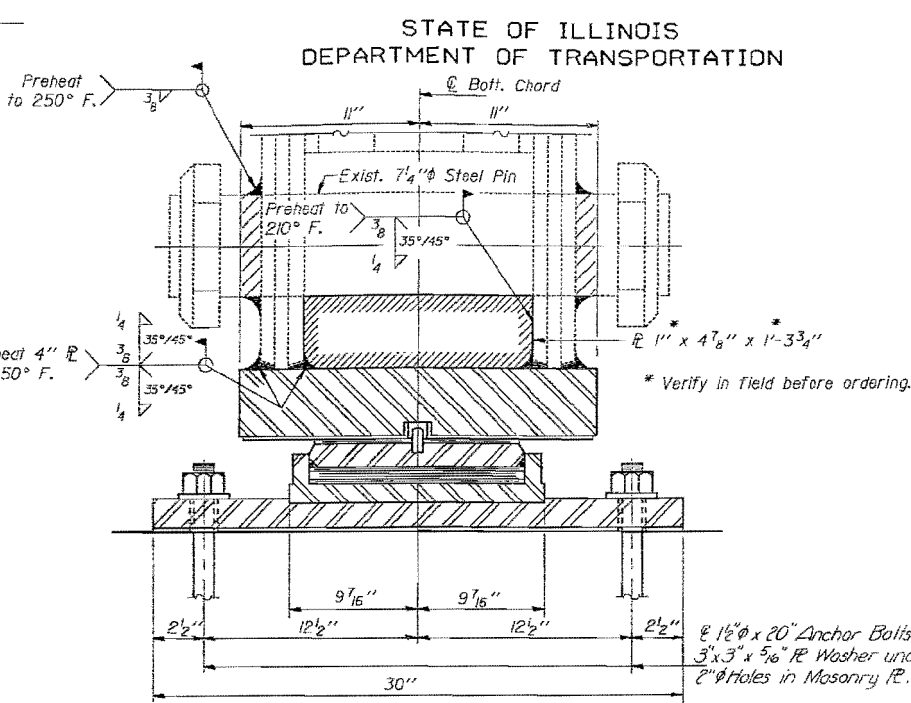
X:\101005\10141.01\Eng-Docs\IL89PhaseII\SpringValleyBridge\Final\Plans\Existing Plans\0780047-66A69-037-Ext.Plan.dgn 5:50:33 PM 8/6/2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

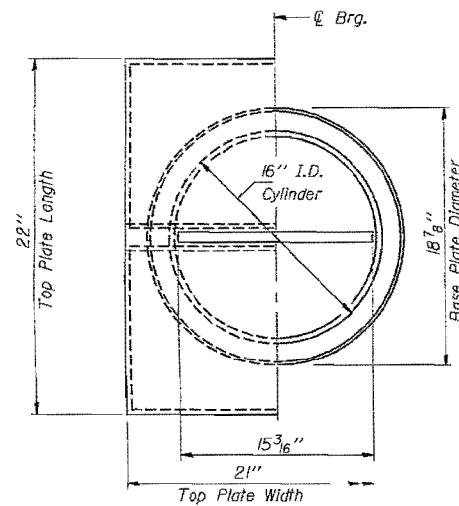
ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO. 76
698	(1) BR	BUREAU/PUTNAM	415	314
CONTRACT NO. 66A69				107 SHEETS



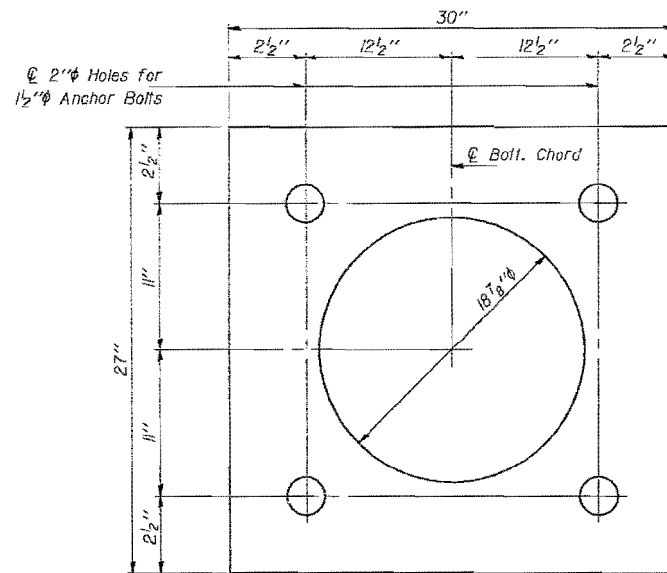
ELEVATION AT PIER 9
362'-10" TRUSS SPAN



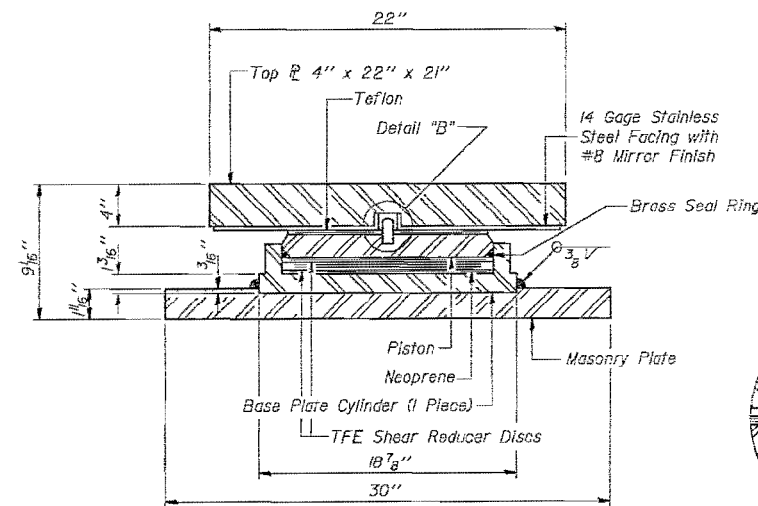
SECTION A-A
EXPANSION FLOATING BEARING
(2 Required)



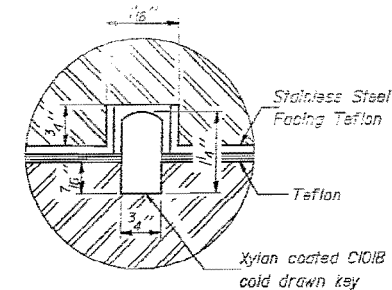
CUT-AWAY PLAN
(Half of Top Plate shown)



MASONRY PLATE DETAIL



BEARING ASSEMBLY



DETAIL "B"

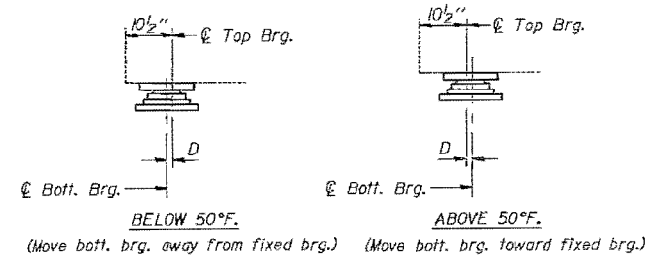
BILL OF MATERIAL

Item	Unit	Total
Floating Bearings, Guided Expansion 600 k	Each	2

EXPANSION BEARING DETAILS
362'-10" TRUSS SPAN
F.A. RT. 698 SEC. 1B-D
BUREAU-PUTNAM COUNTIES
STA. 57+32.00

DESIGNED <i>Angela J. Minsky</i>	EXAMINED <i>Gregory J. DeGasper</i>
CHECKED <i>J.T. Downing</i>	PASSED <i>James J. Kuehner</i>
DRAWN <i>J.T. Downing</i>	APPROVED
CHECKED <i>J.T. Downing</i>	DIRECTOR OF HIGHWAYS

Notes: For anchor bolt details see sheet #107 of 107.
The plates of the Bearing Assembly shall be AASHTO M223, Grade 50.



SETTING ANCHOR BOLTS AT EXP. BRG.

D = 5/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.



Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10141.01

FILE NAME = 0780047.66A69.038.Ext.Plan.dgn

USER NAME = mhellenenthal
DESIGNED -
CHECKED -
PLOT SCALE =
DRAWN -
PLOT DATE = 8/6/2015

DESIGNED -
CHECKED -
DRAWN -
CHECKED -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

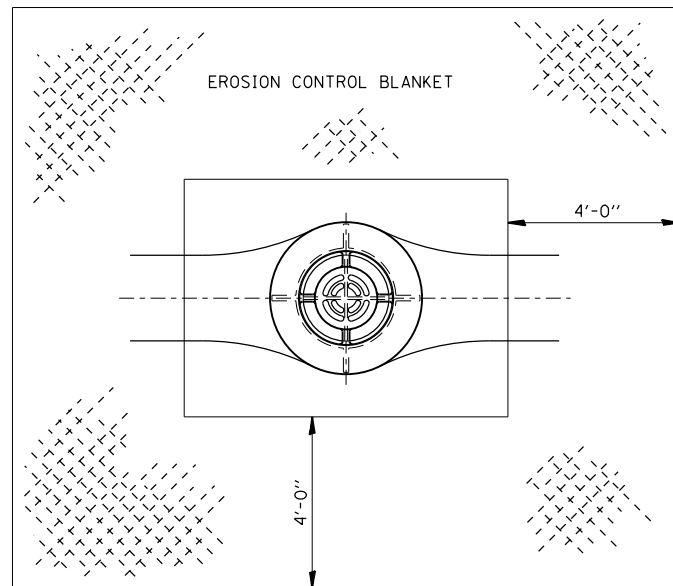
EXISTING PLANS 38 OF 38
STRUCTURE NO. 078-0047

SHEET NO. EX38 OF EX38 SHEETS

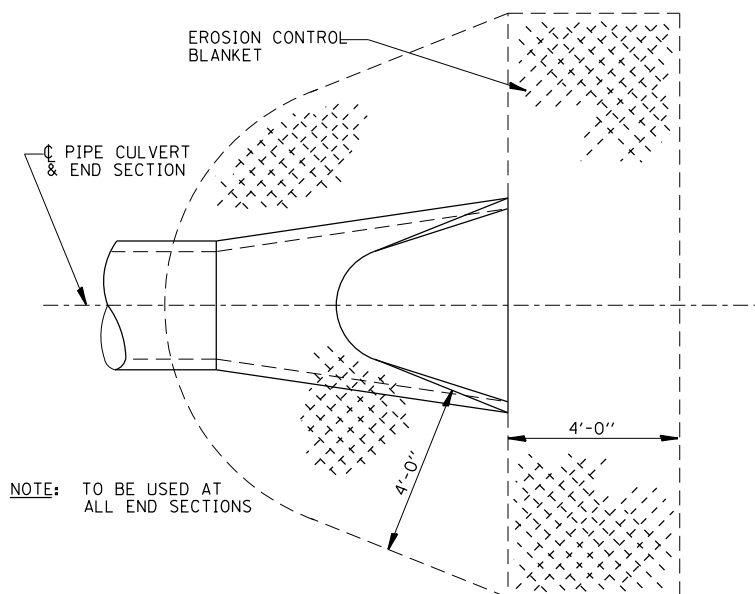
FOR INFORMATION ONLY

F.A.P. RT. 698	SECTION (1) BR	COUNTY BUREAU/PUTNAM	TOTAL SHEETS 415	SHEET NO. 314
CONTRACT NO. 66A69				ILLINOIS FED. AID PROJECT

X:\101005\10141.01\Eng-Docs\11.89PhaseII\SpringValleyBridge\Existing Plans\0780047.66A69.038.Ext.Plan.dgn 5:50:35 PM 8/6/2015



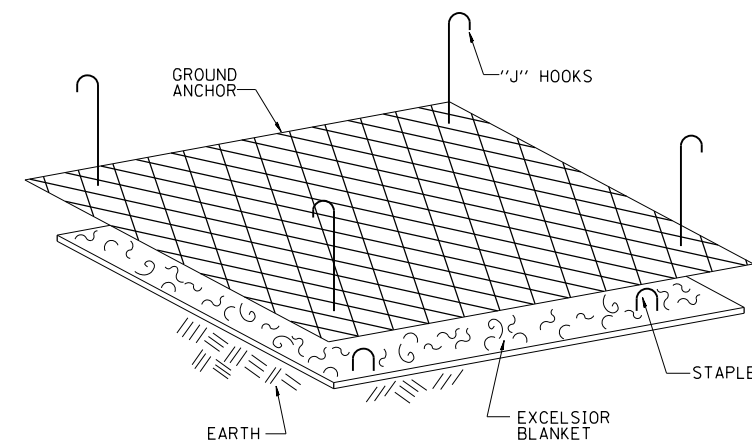
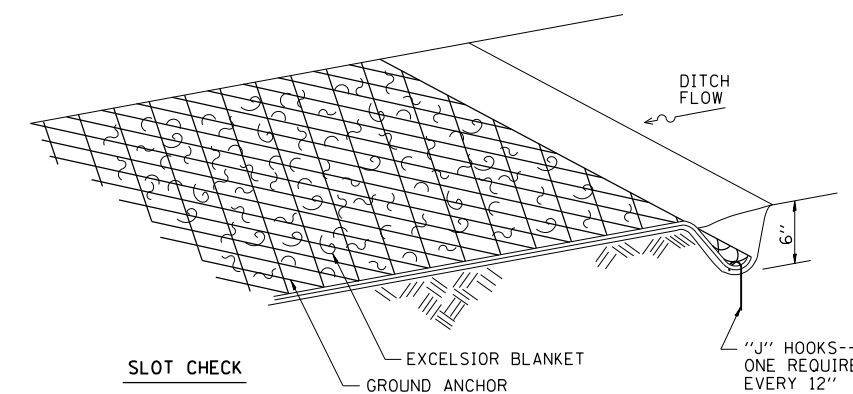
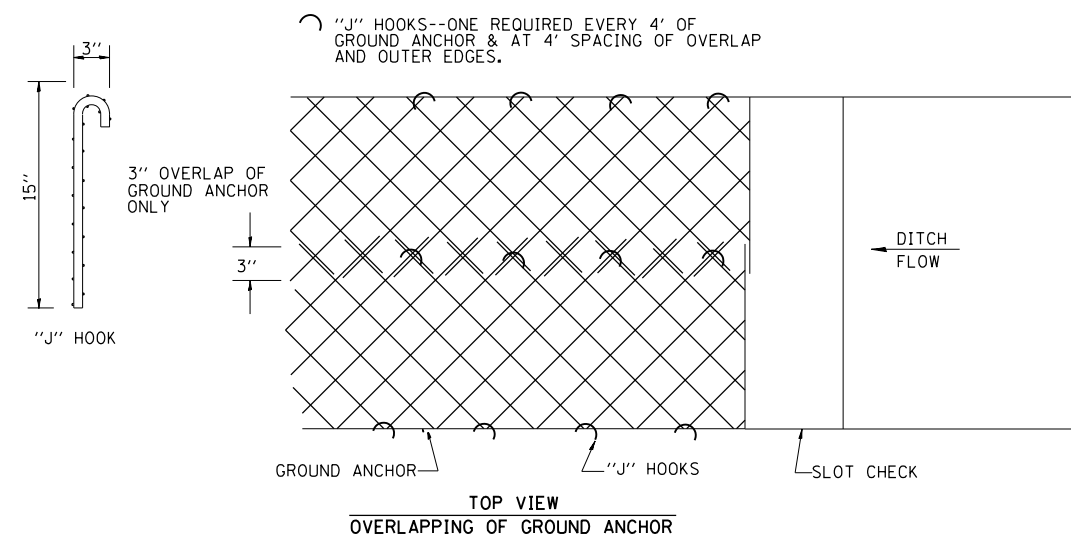
**EROSION CONTROL BLANKET
AT MEDIAN INLET STD. 604101 OR STD. 640106**



NOTE: TO BE USED AT ALL END SECTIONS

NOTE: PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER END SECTIONS.

**DETAIL OF EROSION CONTROL BLANKET
LINING AROUND END SECTION**



- NOTES:
- EXCELSIOR BLANKET IS STAPLED INTO GROUND.
 - GROUND ANCHOR GOES OVER EXCELSIOR BLANKET AND IS FASTENED WITH "J" HOOKS EVERY 4 FEET.
 - PAY WIDTH WILL BE MEASURED TO OUT-TO-OUT OF GROUND ANCHOR WITH NO CONSIDERATION FOR OVERLAPS.

EXCELSIOR BLANKET (SPECIAL) DETAILS

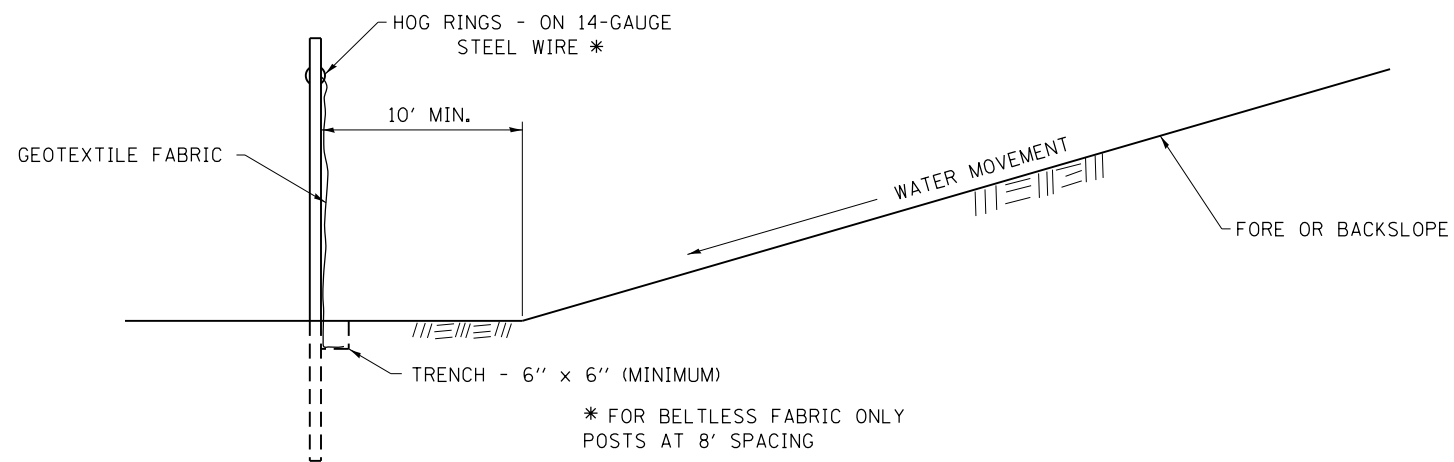
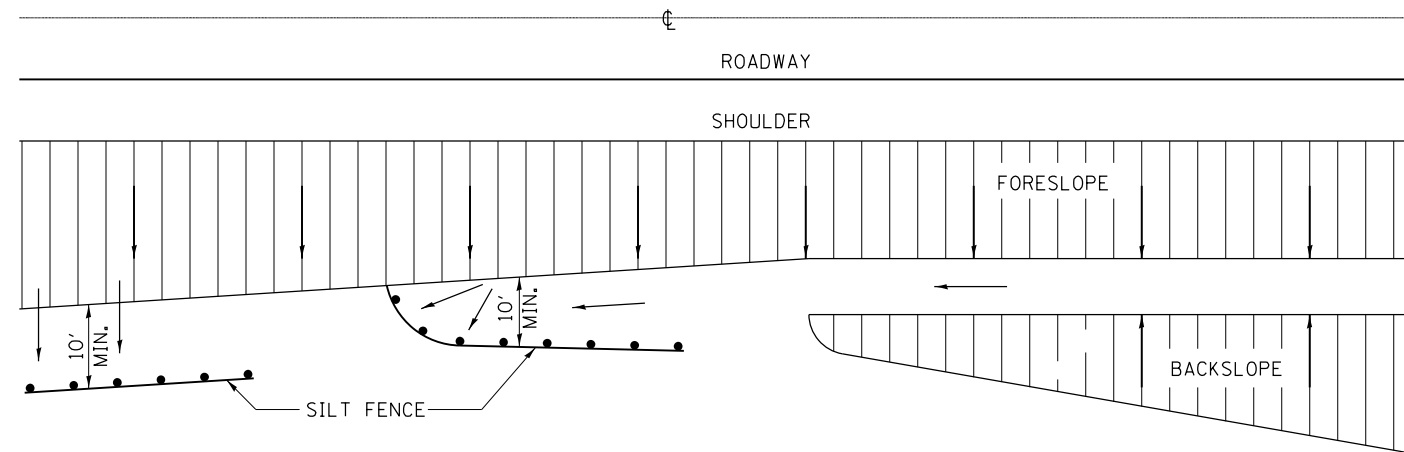
FILE NAME = ...D366A69-sht-1L89-Std-01.dgn	USER NAME = swilkenson	DESIGNED TMB	REVISED -
		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
		DATE 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

251-1 251-2 251-4

SCALE: NTS SHEET 1 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	315
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	



DETAILS OF SILT FENCE

**EROSION CONTROL DETAILS
FOR SILT FENCE**

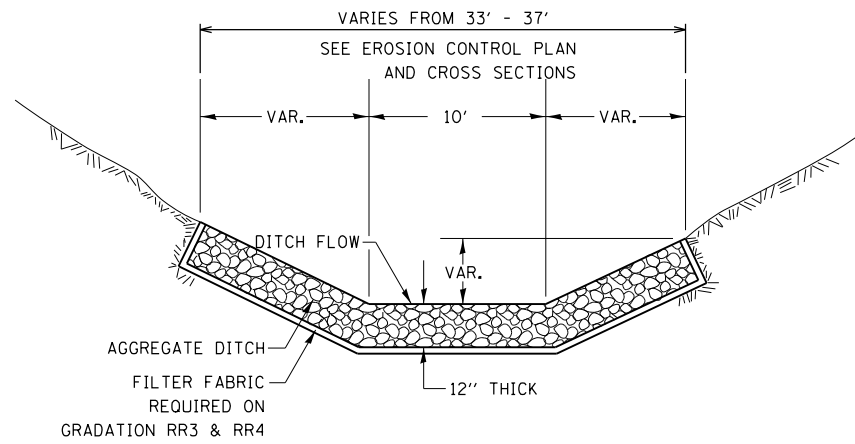
FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-sht-1L89-Std-02.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
MODELNAME	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAILS
FOR SILT FENCE**

SCALE: NTS SHEET 2 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	316
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	



CLASS A4 WILL BE REQUIRED ON THIS PROJECT AT THE LOCATION SHOWN ON THE PLANS.

THIS WORK SHALL BE DONE ACCORDING TO SECTION 283 OF THE STANDARD SPECIFICATION. AGGREGATE DITCH WILL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE YARD OF ACTUAL SURFACE AREA. AGGREGATE DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR STONE RIP-RAP, CLASS A4

AGGREGATE DITCH FOR FLEXIBLE DITCH LINING

FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-sht-1L89-Std-03.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
MODELNAME	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

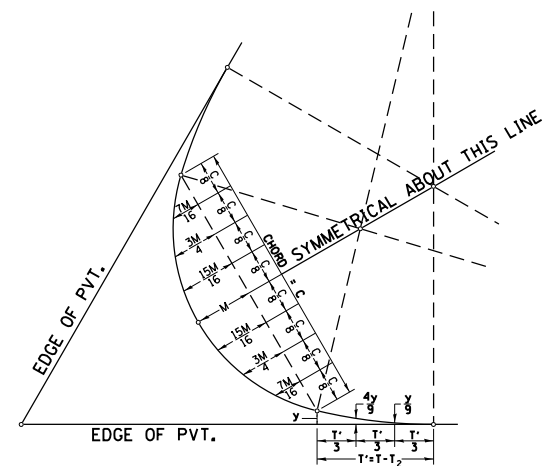
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**AGGREGATE DITCH FOR
FLEXIBLE DITCH LINING**

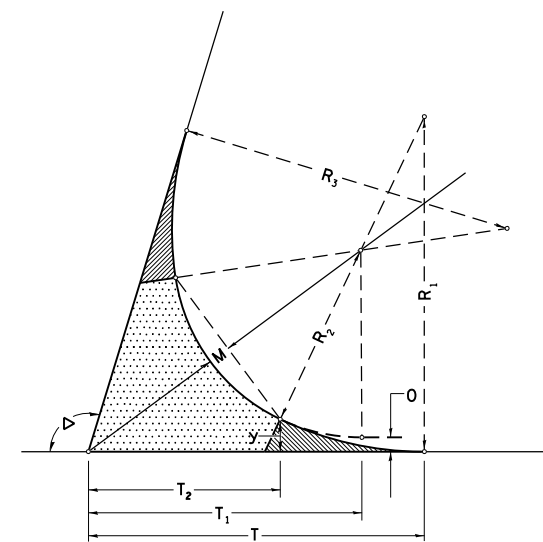
SCALE: NTS SHEET 3 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	317
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	

SYMMETRICAL CURVES

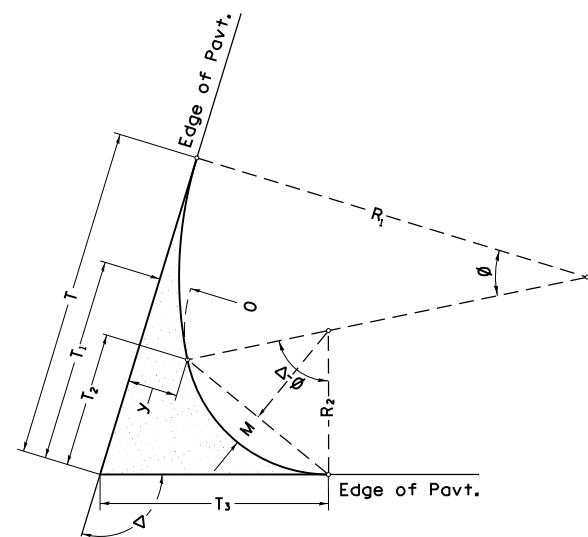


FIELD LAYOUT METHOD



FOR SYMMETRICAL CURVES

CURVE #							
R ₁							
R ₂							
R ₃							
O							
Δ							
T							
T ₁							
T ₂							
T'							
y							
$\frac{4y}{9}$							
$\frac{y}{9}$							
M							
$\frac{15M}{16}$							
$\frac{3M}{4}$							
$\frac{7M}{16}$							
C							

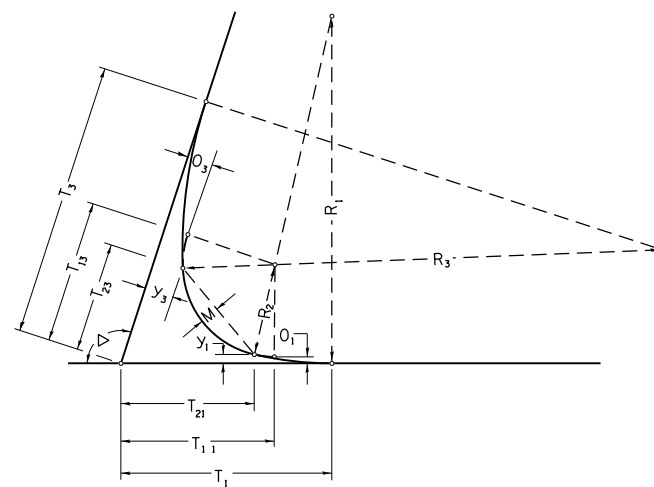


TWO CENTER CURVES

CURVE #							
R ₁							
R ₂							
O							
Δ							
T							
T ₁							
T ₂							
T ₃							
y							
$\frac{4y}{9}$							
$\frac{y}{9}$							
M							
$\frac{15M}{16}$							
$\frac{3M}{4}$							
$\frac{7M}{16}$							
C							

TWO AND THREE CENTER CURVE DATA

ASYMMETRICAL CURVES



FOR ASYMMETRICAL CURVES

CURVE #							
R ₁							
R ₂							
R ₃							
O ₁							
O ₂							
Δ							
T							
T _{1 1}							
T _{2 1}							
T _{3 1}							
y ₁							
$\frac{4y_1}{9}$							
$\frac{y_1}{9}$							
T ₃							
T _{1 3}							
T _{2 3}							
T ₃							
y ₃							
$\frac{4y_3}{9}$							
$\frac{y_3}{9}$							
M							
$\frac{15M}{16}$							
$\frac{3M}{4}$							
$\frac{7M}{16}$							
C							

ASYMMETRICAL THREE CENTER CURVES

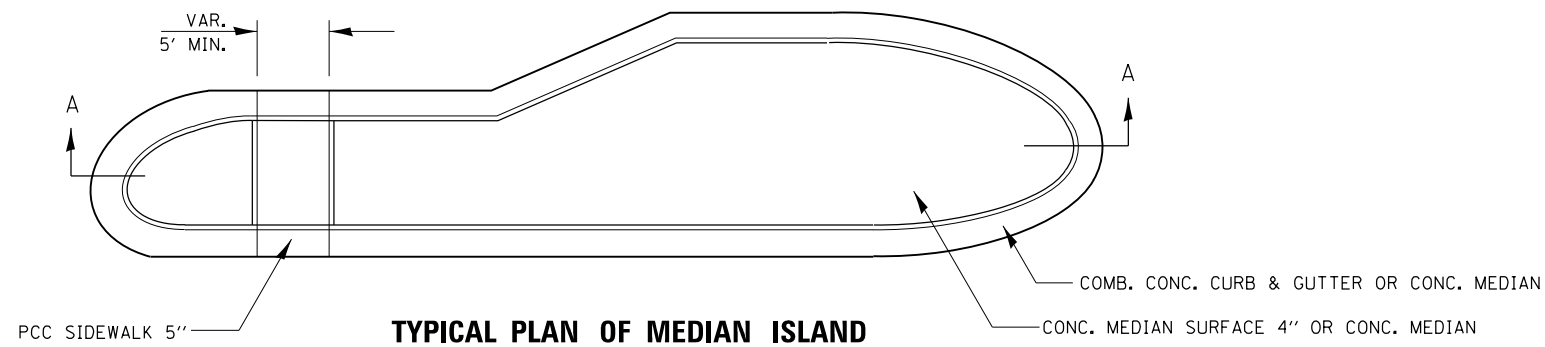
FILE NAME =	USER NAME = swilkenson	DESIGNED TMB	REVISED -
... \D366A69-sht-1L89-Std-05.dgn		DRAWN TMB	REVISED -
	PLOT SCALE = NTS	CHECKED JNR	REVISED -
#MODELNAME#	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

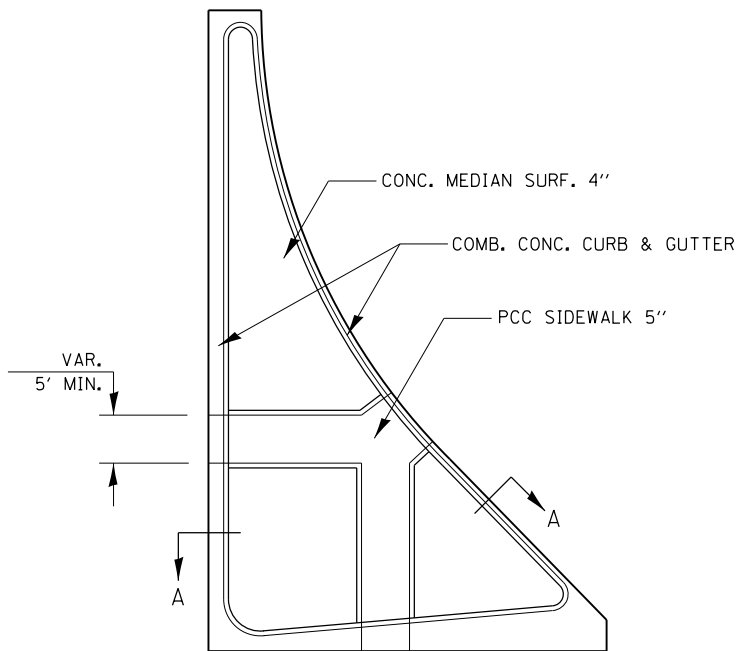
TWO & THREE CENTER CURVE DATA

SCALE: NTS SHEET 5 OF 23 SHEETS STA. TO STA.

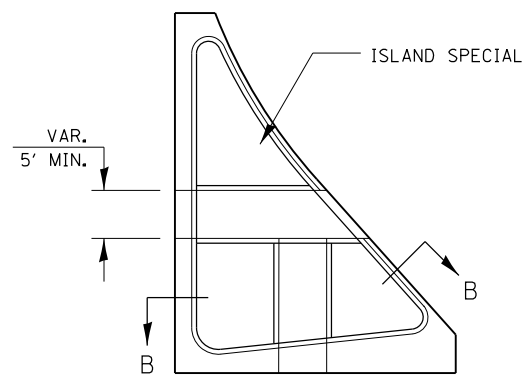
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	319
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	



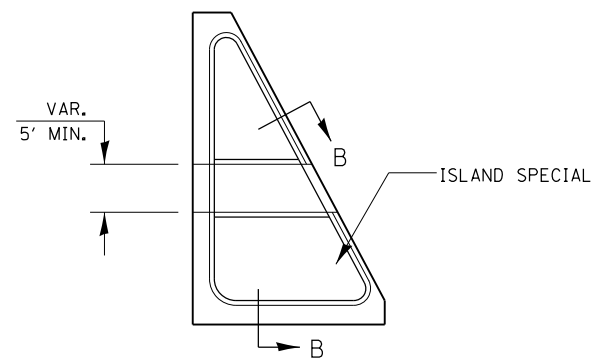
TYPICAL PLAN OF MEDIAN ISLAND



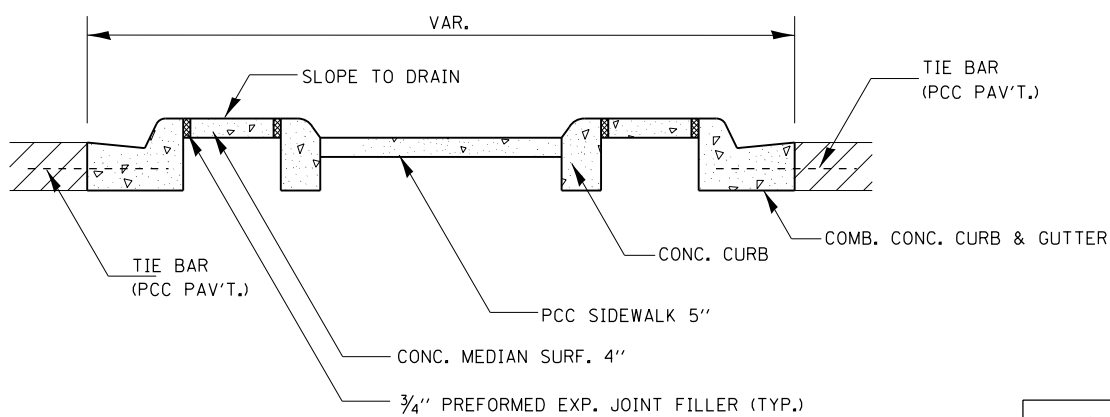
LARGE ISLAND
(FREE FLOW DESIGN)



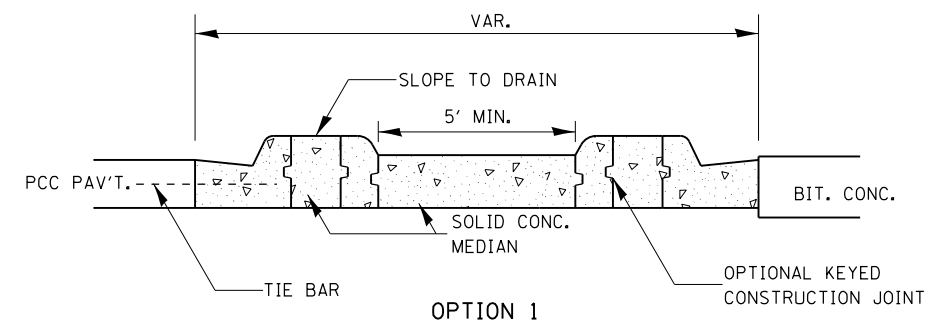
INTERMEDIATE ISLAND
(FOR RIGHT TURN LANE DESIGN)



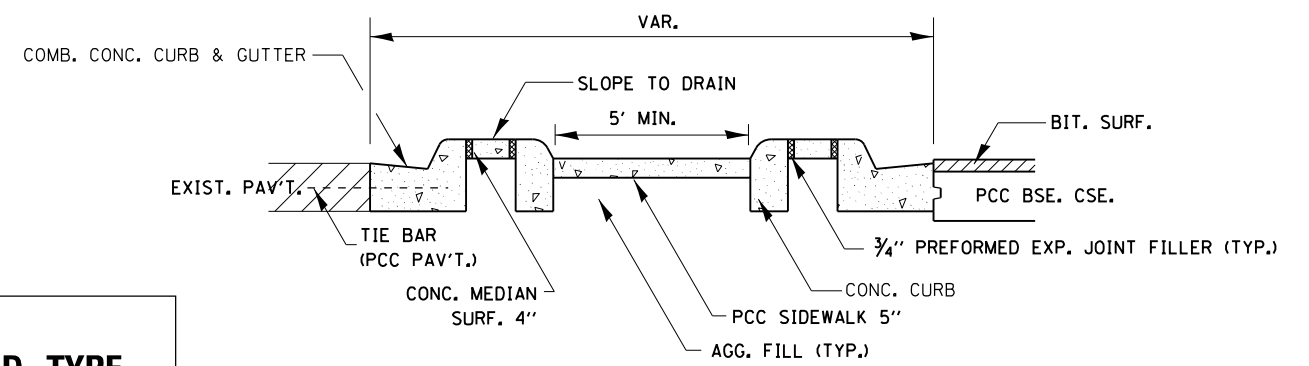
SMALL ISLAND
(FOR TYPICAL DESIGN)



SECTION A-A



OPTION 1



OPTION 2

SECTION B-B

GENERAL NOTES

SEE STANDARDS 606001, 606301, 424031, AND PLAN SHEETS FOR STATION, OFFSETS, RADII, DIMENSIONS, AND DETAILS NOT SHOWN.

THE SIDEWALK SHOULD DRAIN TO THE LOW SIDE OF THE ISLAND. IF NECESSARY THE SIDEWALK SHALL BE SLOPED TO DRAIN AT A MAXIMUM 2% GRADE.

SEE THE PLAN SHEETS FOR THE TYPE OF CURB & GUTTER TO BE USED ON ISLANDS.

THE SIDEWALK SHOULD NOT BE CLOSER THAN 3' FROM THE CORNER OF THE ISLAND.

KEYED LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED WITHOUT TIE BARS.

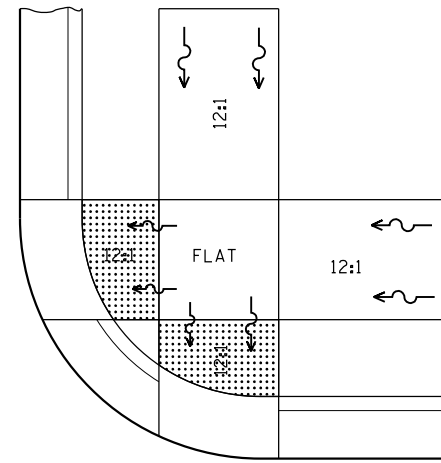
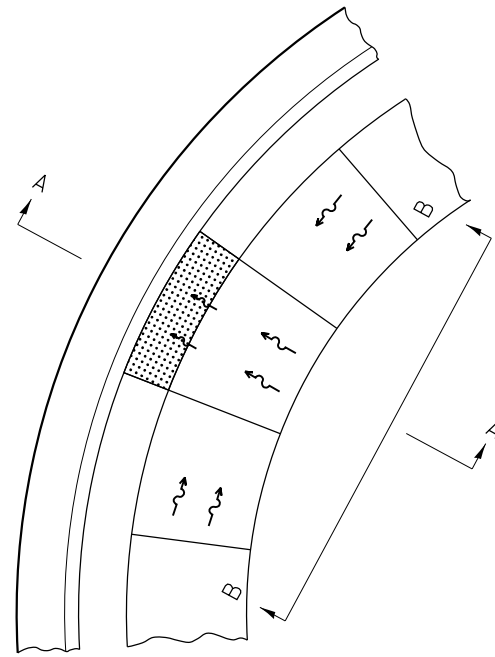
MEDIANS AND LARGE ISLANDS SHALL CONSIST OF PCC SIDEWALK 5", CONCRETE MEDIANS SURFACE 4", CONCRETE CURB, AND COMBINATION CONCRETE CURB & GUTTER, TYPE M OR B OR THE SIZE SPECIFIED. MEDIAN ISLAND CAN ALSO BE SOLID CONCRETE MEDIANS.

LOCATIONS, LAYOUTS, AND WIDTHS OF THE FLUSH SIDEWALK AREA, SHALL BE DETERMINED BY THE DESIGNER AND SHOWN ON THE PLANS.

THE INTERMEDIATE AND SMALL ISLANDS WILL BE MEASURED FOR PAYMENT FROM E.O.P. TO E.O.P. USING EITHER OPTION 1 OR OPTION 2, AS DIRECTED BY THE ENGINEER, AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ. FT. FOR CONCRETE MEDIAN (SPECIAL), WHICH SHALL INCLUDE THE CURB, COMBINATION CURB & GUTTER, SIDEWALK, AGGREGATE FILL, CONCRETE MEDIAN SURFACE, AND SOLID CONCRETE MEDIAN.

**DESIGNER NOTE:
DESIGNER SHOULD SPECIFY ISLAND TYPE
IN THE PLANS BASED ON BDE FUG. 36-2.E**

FILE NAME = ...D366A69-sht-IL89-Std-06.dgn	USER NAME = swilkenson	DESIGNED TMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PCC ISLANDS & MEDIANS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#MODELNAME#	PLOT SCALE = NTS	DRAWN TMB	REVISED -		SCALE: NTS	SHEET 6	OF 23 SHEETS	STA.	TO STA.	698	1 (BR)	415	320
	PLOT DATE = 8/6/2015	CHECKED JNR	REVISED -										
		DATE 8/10/2015	REVISED -										
										CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT



SEE STANDARD 424001 FOR SIDE FLARE
DETAIL & SEE PLANS FOR RAMP TYPE.

NOTES:

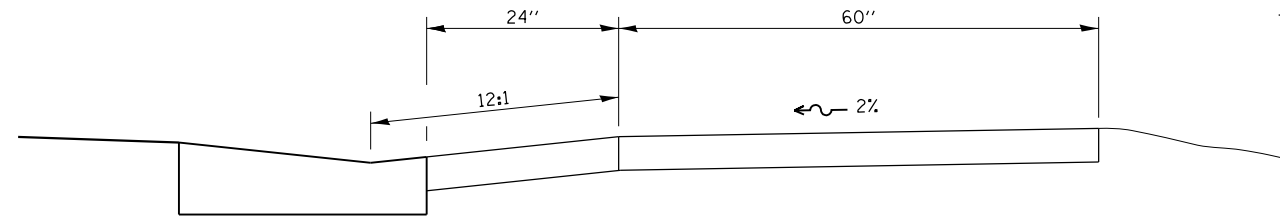
THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001.

THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2%.

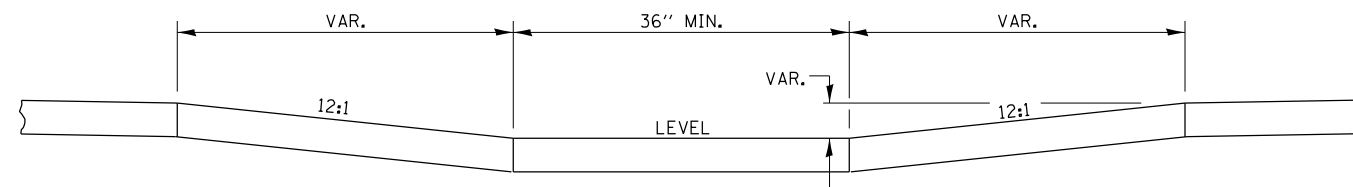
THE MAXIMUM ALLOWABLE SIDEWALK GRADE IS 8%.

IF SPACE LIMITATIONS PROHIBIT THE USE OF THE 12:1 SLOPE, THEN SLOPES BETWEEN 10:1 AND 12:1 ARE PERMITTED FOR A MAXIMUM RISE OF 6". SLOPES 8:1 AND 10:1 ARE ALLOWED FOR A MAXIMUM RISE OF 3". SLOPES STEEPER THAN 8:1 ARE NOT PERMITTED.

THE DEPRESSED CURB IS NOT STANDARD. THE RISE IS 1/2" INSTEAD OF 1 1/2".



SECTION A-A



SECTION B-B

ADA SIDEWALK ACCESSIBILITY RAMP DETAIL

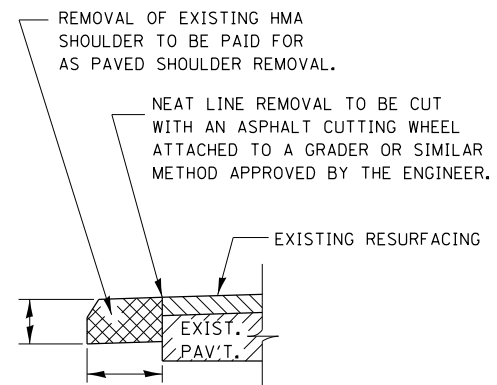
FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-sht-IL89-Std-07.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
MODELNAME	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK ACCESSIBILITY
RAMP DETAIL

SCALE: NTS SHEET 7 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	321
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	



**REMOVAL OF EXISTING
HMA SHOULDER**

FILE NAME = ... \D366A69-sht-1L89-Std-08.dgn	USER NAME = swilkinson	DESIGNED TMB	REVISED -
		DRAWN TMB	REVISED -
	PLOT SCALE = NTS	CHECKED JNR	REVISED -
MODELNAME	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

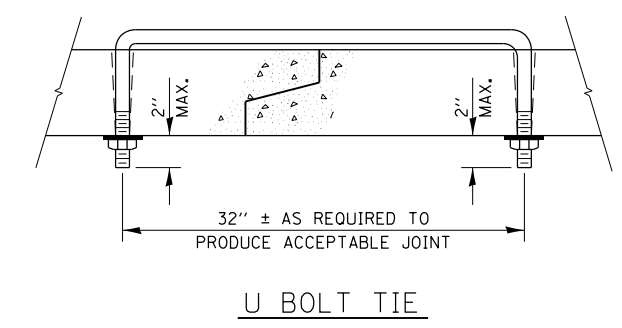
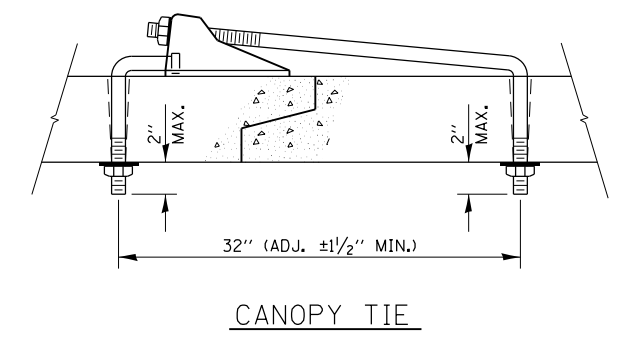
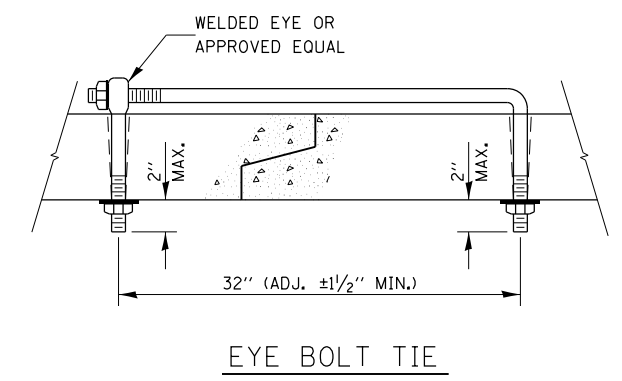
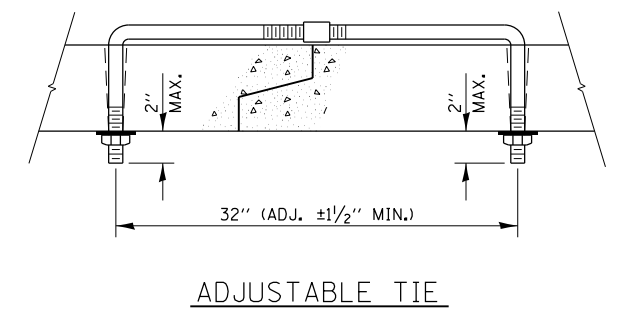
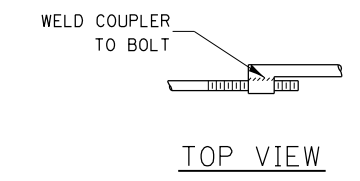
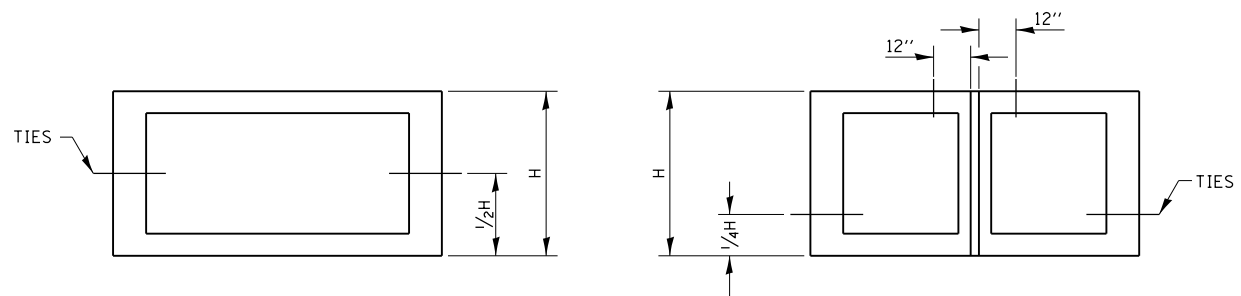
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL OF EXISTING
HMA SHOULDER**

SCALE: NTS SHEET 8 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	322
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

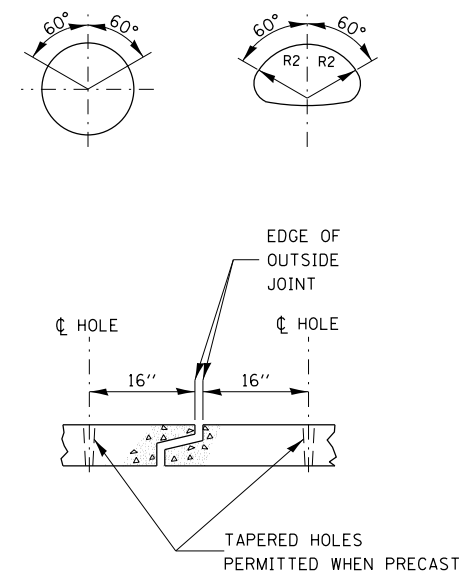
THE CULVERT TIES SHALL BE INCLUDED IN THE COST OF THE CONCRETE PIPE CULVERTS OR THE PRECAST CONCRETE BOX CULVERT. THE MECHANICAL TIES SHALL BE ON THE OUTSIDE OF THE CULVERT. THE NUTS AND WASHERS SHALL BE PLACED ON THE INSIDE OF THE CULVERT AND COVERED WITH MASTIC JOINT SEALER CONFORMING TO ARTICLES 1055 OR 1056 IN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



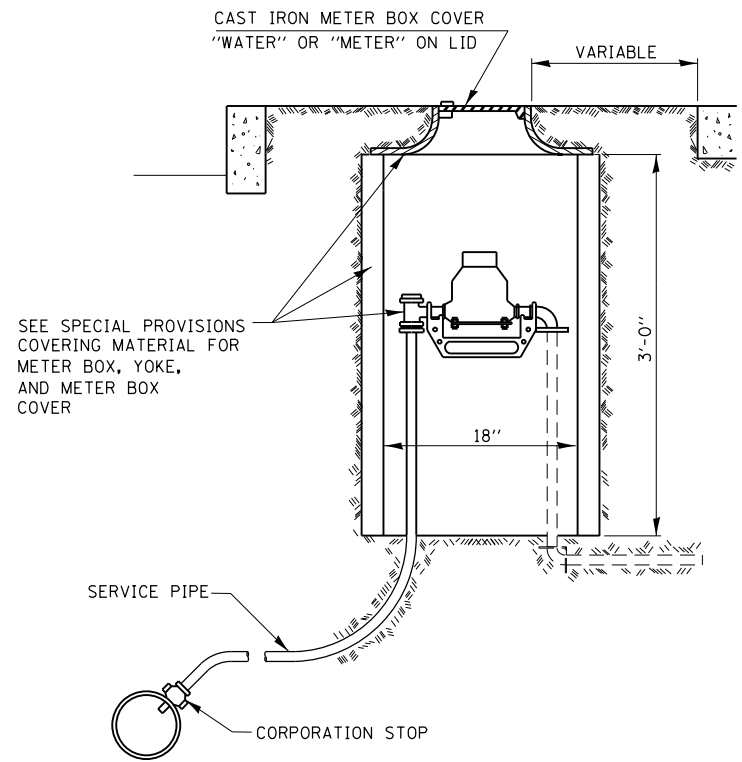
PLACEMENT OF HOLES		
BOX CULVERT FEET	PIPE SIZE INCHES	THREAD DIAMETER INCHES
	12	5/8
	15	ROLLED THREADS (SEE NOTE 4)
	18	
	21	
	24	
	27	
	30	
3 x 2	33	3/4 CUT OR ROLLED
3 x 3	36	
4 x 2	42	
4 x 3	48	
4 x 4	54	
5 x 3	60	1 CUT OR ROLLED
5 x 4	66	
5 x 5	72	
6 x *	78	
7 x *	84	
8 x *	90	
9 x *	96	
10 x *	102	
	108	
	120	
	132	1 1/4
11 x * AND GREATER	138 AND GREATER	

NOTES:

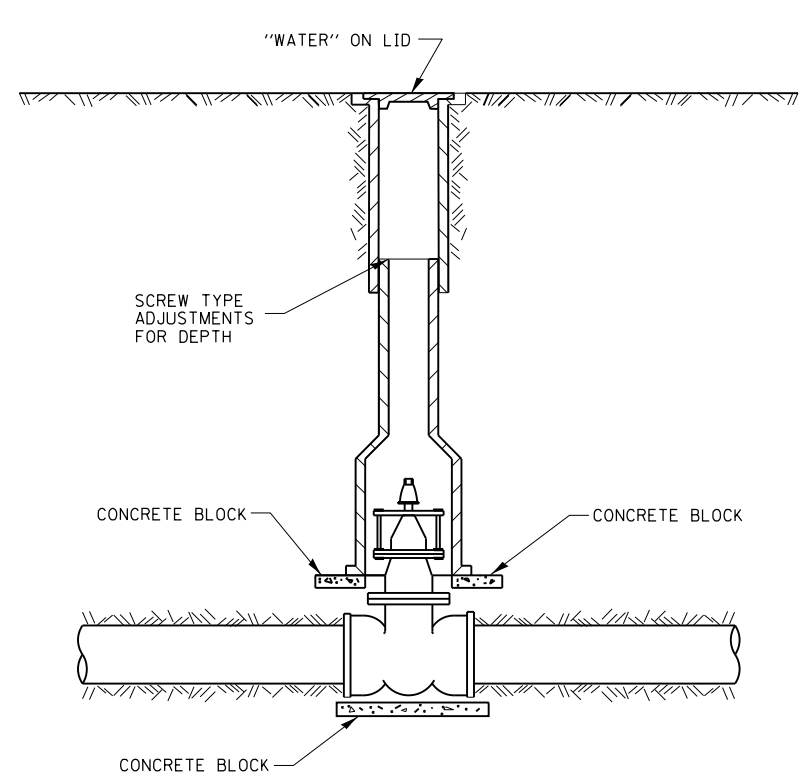
- HOLES SHALL BE CAST-IN OR DRILLED 16" FROM OUTSIDE EDGE OF JOINT.
- NUTS AND WASHERS ARE NOT REQUIRED ON INSIDE OF 27" DIAMETER PIPE OR LESS.
- TIES ARE NOT REQUIRED FOR BELL PIPE 24" AND SMALLER. ON OTHER SIZES TIE MAY BE INSERTED FROM INSIDE.
- CUT THREADS MAY BE USED IF WASHER AND NUT ARE USED.
- PIPE SIZE LISTED IS INSIDE DIAMETER OF ROUND PIPE OR EQUIVALENT DIAMETER OF PIPE ARCH OR ELLIPTICAL.
- GALVANIZING OF TIES IS REQUIRED.



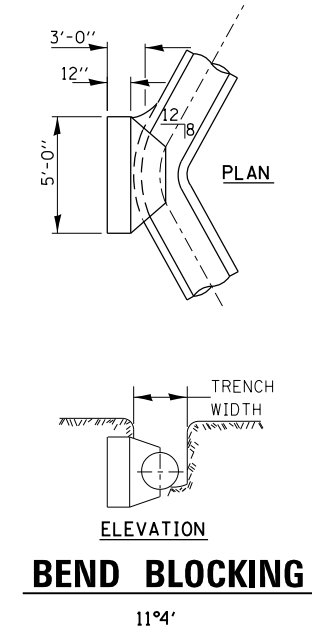
MECHANICAL JOINTS FOR CONCRETE PIPE & BOX CULVERT



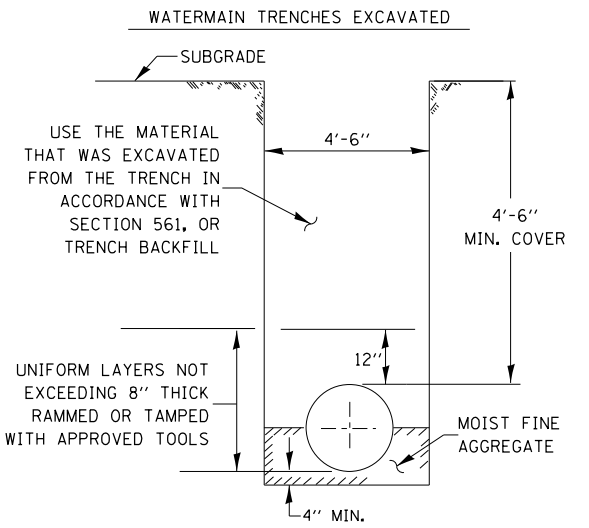
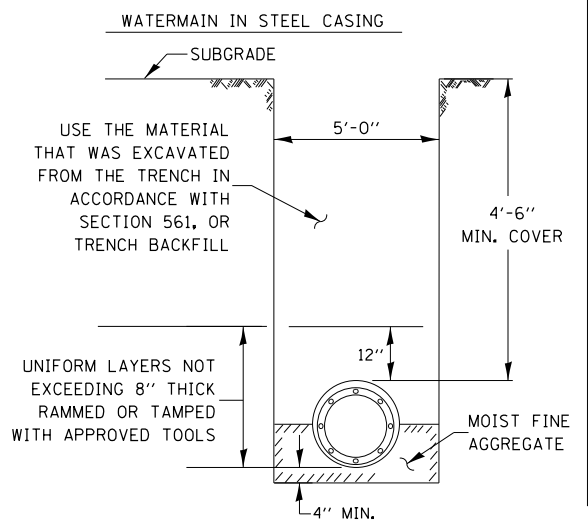
TYPICAL SINGLE METER BOX INSTALLATION



TYPICAL VALVE BOX INSTALLATION



WATERMAIN INSTALLATION REQUIREMENTS

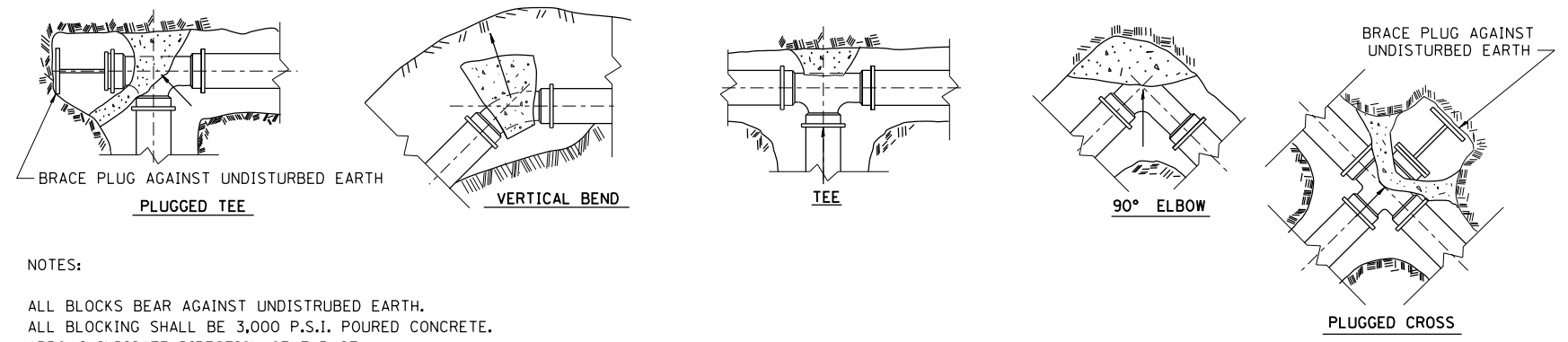


GENERAL NOTES:

1. ANY SOFT OR SPONGY MATERIAL ENCOUNTERED BELOW THE ELEVATION OF THE PIPE SHALL BE REMOVED AND REPLACED WITH WELL COMPACTED MOIST FINE AGGREGATE.
2. ANY ROCK ENCOUNTERED IN THE TRENCH SHALL BE REMOVED TO A DEPTH OF AT LEAST 8 INCHES BELOW THE PIPE GRADE AND REPLACED WITH WELL COMPACTED MOIST FINE AGGREGATE.
3. THE SIDES OF THE TRENCH MAY BE SLOPED OR BENCHED ABOVE A 5 FT. TRENCH DEPTH OR ABOVE THE ELEVATION OR THE TOP OF PIPE, WHICHEVER IS GREATER, IN LIEU OF COMPLETE SHORING OR SHEETING OF THE FULL TRENCH DEPTH.

BACKFILL OPTIONS:

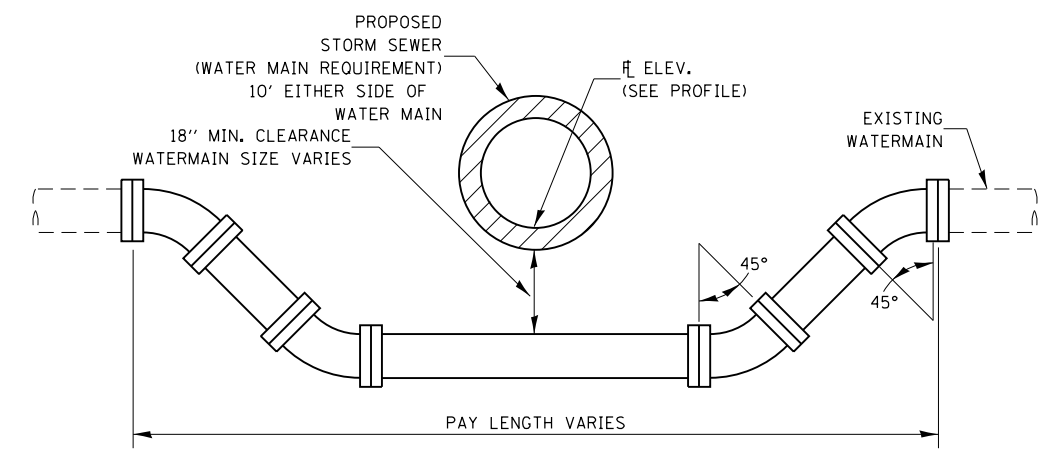
METHOD 1: UNIFORM LAYERS NOT EXCEEDING 12" THICK RAMMED OR TAMPED WITH APPROVED TOOLS
 METHOD 2: UNIFORM LAYERS NOT EXCEEDING 12" THICK INUNDATED OR DEPOSITED IN WATER
 METHOD 3: FILL TRENCH WITH LOOSE MATERIAL THEN JET WITH WATER, 6 FT MANIMUM SPACING OF HOLES



NOTES:

ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
 ALL BLOCKING SHALL BE 3,000 P.S.I. POURED CONCRETE.
 ARROWS INDICATE DIRECTION OF THRUST.
 ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS



ADJUSTING WATERMAIN DETAIL

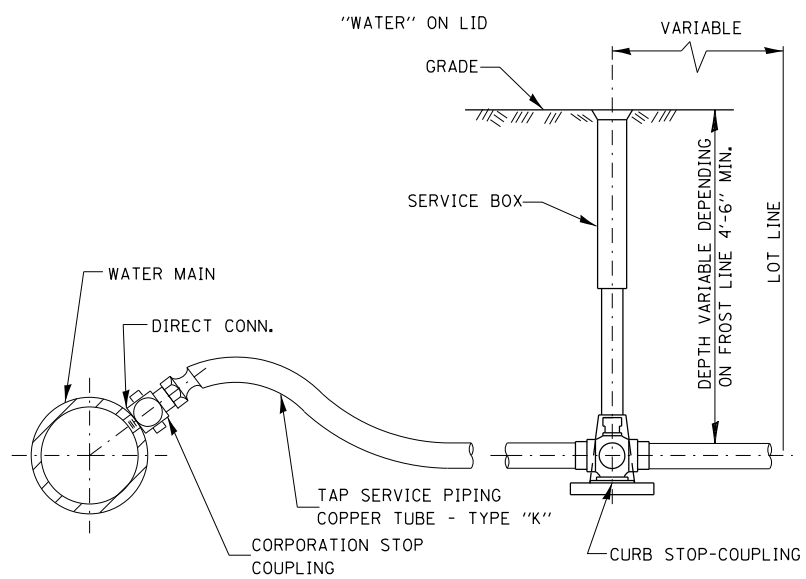
FILE NAME =	USER NAME = swilkenson	DESIGNED TMB	REVISED -
... \D366A69-shd-IL89-Std-10.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
\$MODELNAME\$	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WATER MAIN DETAILS

SCALE: NTS SHEET 10 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	324
CONTRACT NO. 66A69				
ILLINOIS FED. AID PROJECT				



WATER SERVICE LINE TAP

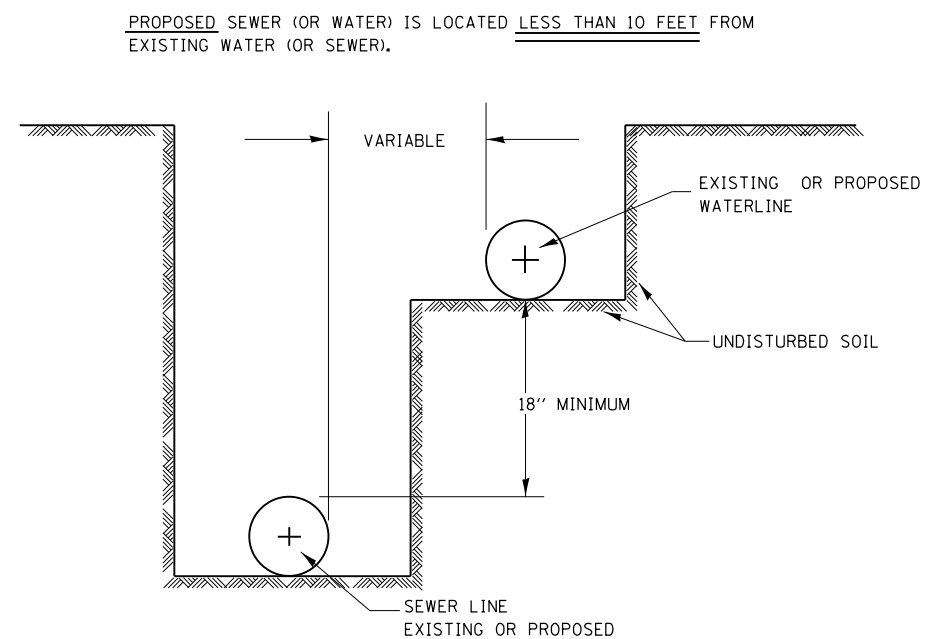
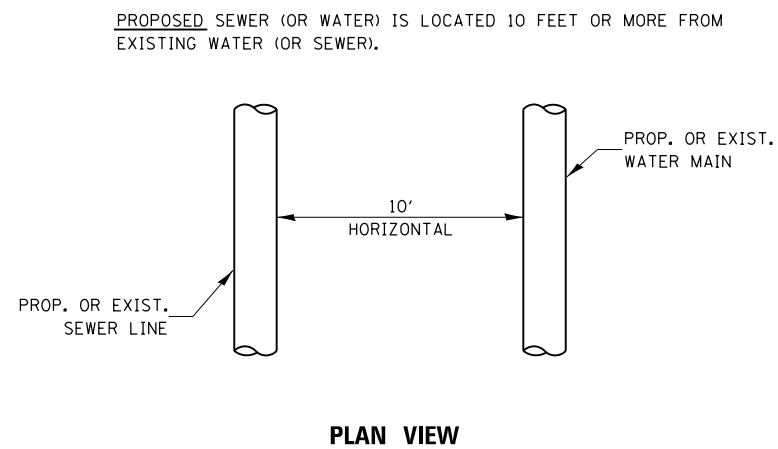
FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-sht-1L89-Std-1L.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
#MODELNAME#	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER SERVICE LINE TAP

SCALE: NTS SHEET 11 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	325
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	



WATER AND SEWER SEPARATION REQUIREMENTS – HORIZONTAL SEPARATION

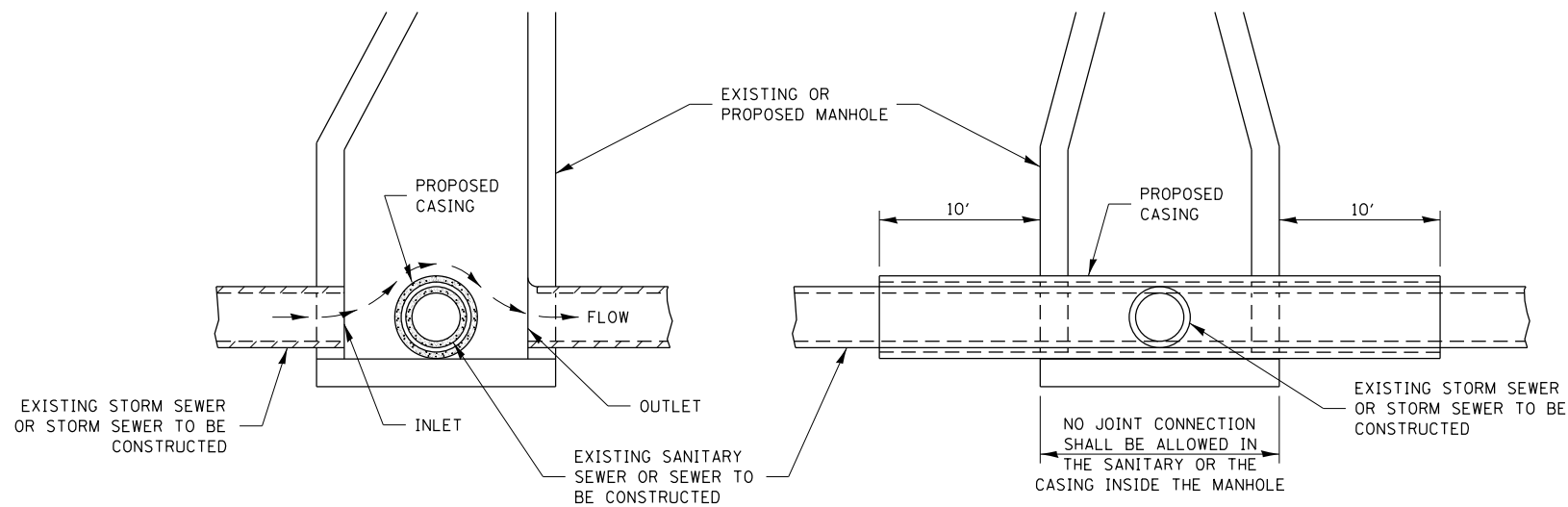
FILE NAME = ... \D366A69-sh1-IL89-Std-12.dgn	USER NAME = swilkenson	DESIGNED TMB	REVISED -
		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
		DATE 8/10/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER AND SEWER SEPARATION REQUIREMENTS
HORIZONTAL SEPARATION

SCALE: NTS SHEET 12 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	326
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	

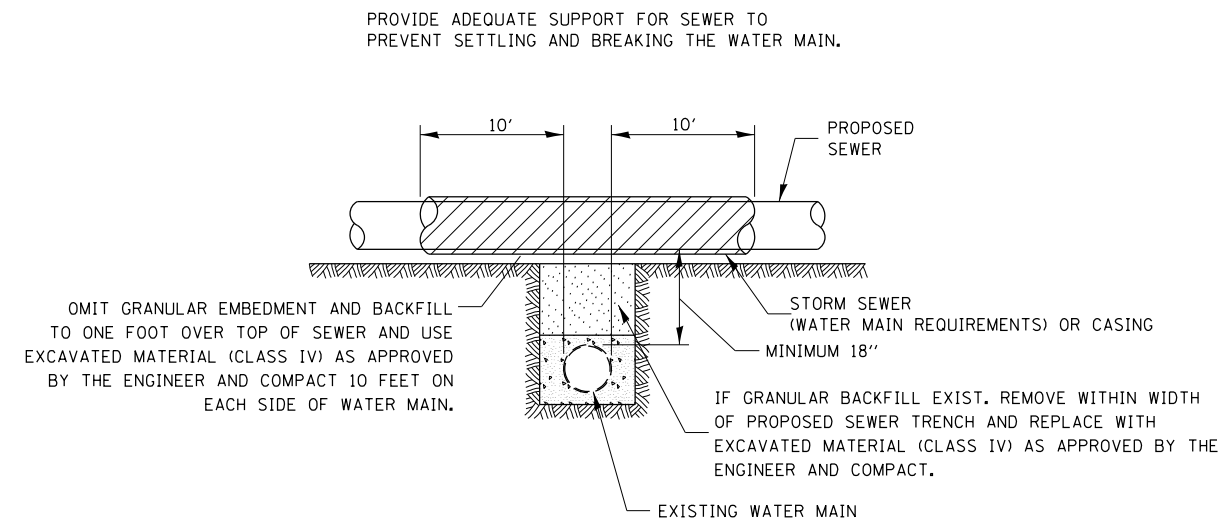


ELEVATION - ECCENTRIC

ELEVATION - CONCENTRIC

CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

AT GRADE CROSSING OF SANITARY AND STORM SEWER



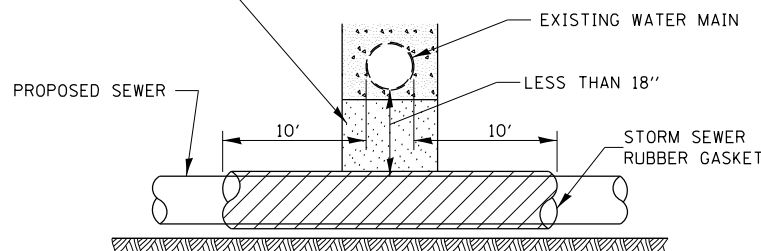
CASING SHALL BE OF WATERMAIN MATERIAL WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

PROPOSED SEWER LINE WITH MINIMUM 18" VERTICAL SEPARATION ABOVE EXISTING WATERMAIN

POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN

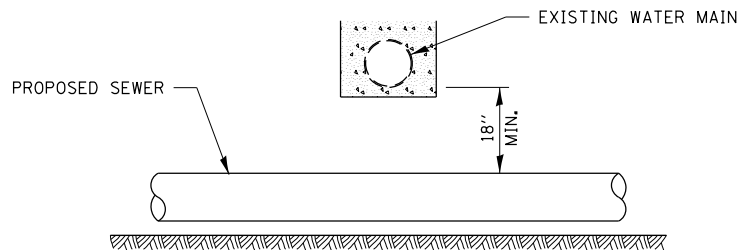
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

OMIT GRANULAR EMBEDMENT AND BACKFILL TO ONE FOOT OVER TOP OF SEWER AND USE EXCAVATED MATERIAL (CLASS IV) AS APPROVED BY THE ENGINEER AND COMPACT 10 FEET ON EACH SIDE OF WATER MAIN.



PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

MAINTAIN 18" MINIMUM VERTICAL SEPARATION FOR 10' HORIZONTALLY

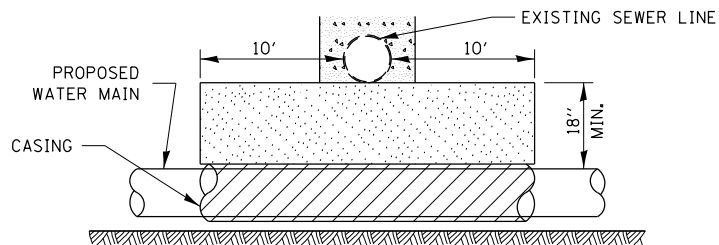


PROPOSED SEWER LINE BELOW EXISTING WATER MAIN

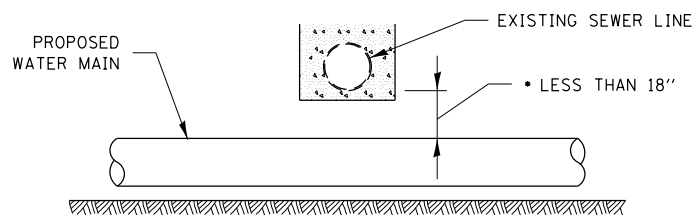
PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

IF GRANULAR BACK FILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER TRENCH AND REPLACE WITH EXCAVATED MATERIAL (CLASS IV) AS APPROVED BY THE ENGINEER AND COMPACT.

OMIT GRANULAR EMBEDMENT AND BACKFILL TO ONE FOOT OVER TOP OF WATER MAIN AND USE EXCAVATED MATERIAL (CLASS IV) AS APPROVED BY THE ENGINEER AND COMPACT FOR 10' EITHERSIDE OF SEWER LINE.



CASING SHALL BE OF WATER MAIN MATERIAL WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

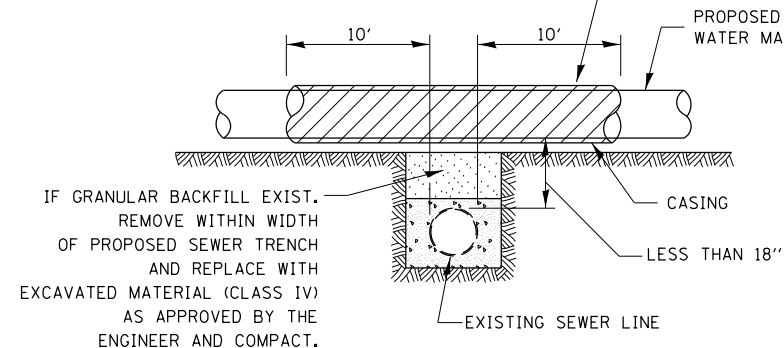


• NOT ALLOWED
MUST MAINTAIN 18" VERTICAL SEPARATION

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE

POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

OMIT GRANULAR EMBEDMENT AND BACKFILL TO ONE FOOT OVER TOP OF SEWER AND USE EXCAVATED MATERIAL (CLASS IV) AS APPROVED BY THE ENGINEER AND COMPACT 10 FEET ON EACH SIDE OF WATER MAIN.



CASING SHALL BE OF WATERMAIN MATERIAL WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE

FILE NAME = ...\\D366A69-sht-1L89-Std-13.dgn
#MODELNAME#

USER NAME = swikinson
PLOT SCALE = NTS
PLOT DATE = 8/6/2015

DESIGNED TMB
DRAWN TMB
CHECKED JNR
DATE 8/10/2015

REVISED -
REVISED -
REVISED -
REVISED -

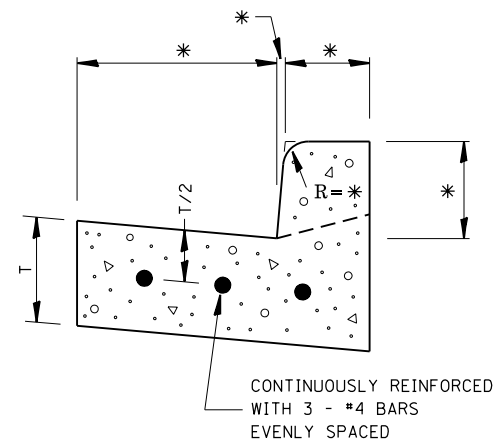
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEWER AND WATER MAIN CROSSING

SCALE: NTS SHEET 13 OF 23 SHEETS STA. TO STA.

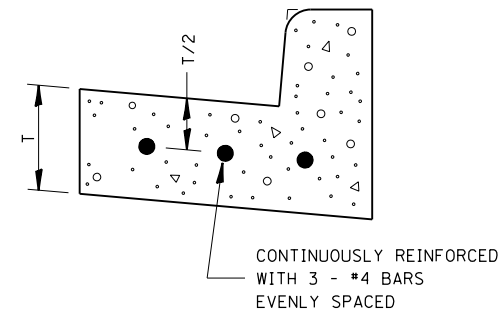
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	327
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

* VARIES - SEE STANDARD 606001



REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL
FOR
COMBINATION CONCRETE
CURB AND GUTTER



REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL
FOR
COMBINATION CONCRETE
CURB AND GUTTER
TYPE B-6.24

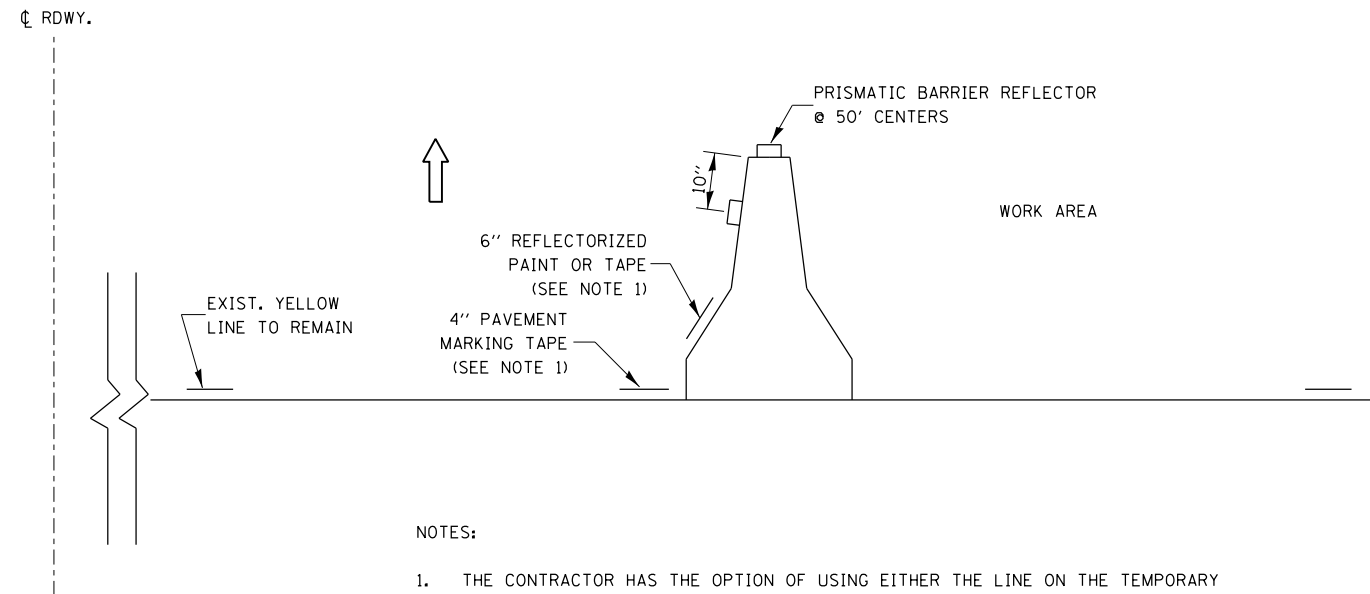
FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-shd-IL89-Std-14.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
#MODELNAME#	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REINFORCEMENT DETAIL FOR
COMBINATION CONCRETE CURB AND GUTTER

SCALE: NTS SHEET 14 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	328
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	



NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

TRAFFIC CONTROL DETAIL
FOR TEMPORARY CONCRETE BARRIER

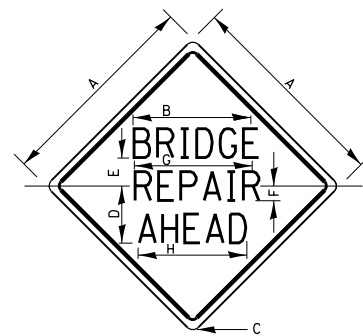
FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-shd-IL89-Std-15.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
MODELNAME	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAIL			
FOR TEMPORARY CONCRETE BARRIER			
SCALE: NTS	SHEET 15	OF 23 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	329
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

**ILLINOIS STANDARD
W21-102**



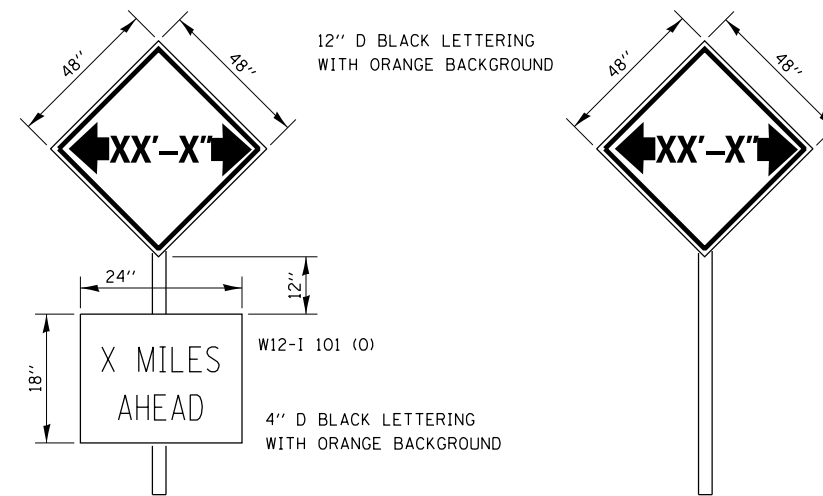
COLOR: LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
36 x 36	36.0	22.3	2.25	10.8	5.6	3.0	21.9	20.7
48 x 48	48.0	26.0	3.0	14.5	7.5	3.5	25.5	24.1

SIGN SIZE	SERIES			MARGIN	BORDER	BLANK STD.
	LINES					
	1	2	3			
36 x 36	5C	5C	5C	0.6	0.8	B4-36D
48 x 48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES.

**TRAFFIC CONTROL SIGN
BRIDGE REPAIR AHEAD**



TO BE POST MOUNTED. THE ABOVE THREE SIGNS SHALL CONSTITUTE ONE SIGN ASSEMBLY. 4 SIGN ASSEMBLIES REQUIRED. ONE JUST NORTH OF RAILROAD BRIDGE ON IL 89, ONE AT THE US 6(SB)/IL 89 JUNCTION, ONE AT THE BOTTOM ROAD/IL 89 JUNCTION, AND ONE AT THE IL 89/IL 71 JUNCTION

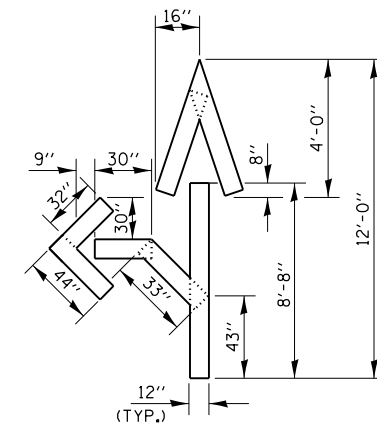
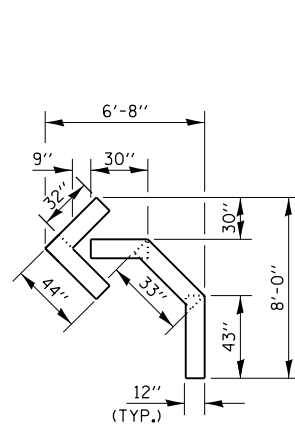
THE ENGINEER WILL NOTIFY DISTRICT 3 BUREAU OF OPERATIONS 14 CALENDAR DAYS PRIOR TO INSTALLING ANY TRAFFIC CONTROL DEVICES THAT WILL RESTRICT THE PAVEMENT WIDTH.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO MEET THIS REQUIREMENT.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

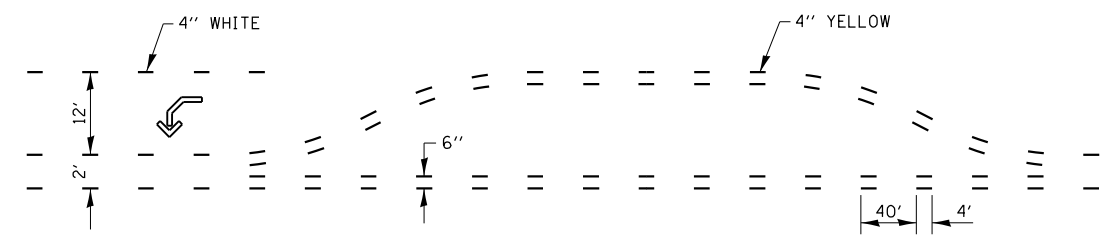
WIDTHS DISPLAYED ON SIGNS SHALL BE AS FOLLOWS:
STAGE I - 9'-6"
STAGE II - 11'-6"

WIDTH RESTRICTION SIGNING DETAILS



QUANTITY
 12" LINE = 16 LIN. FT.
 OR 4" LINE = 48 LIN. FT.

QUANTITY
 12" LINE = 29 LIN. FT.
 OR 4" LINE = 87 LIN. FT.



**SHORT-TERM PAVEMENT MARKING
 FOR MEDIANS AND ARROWS**

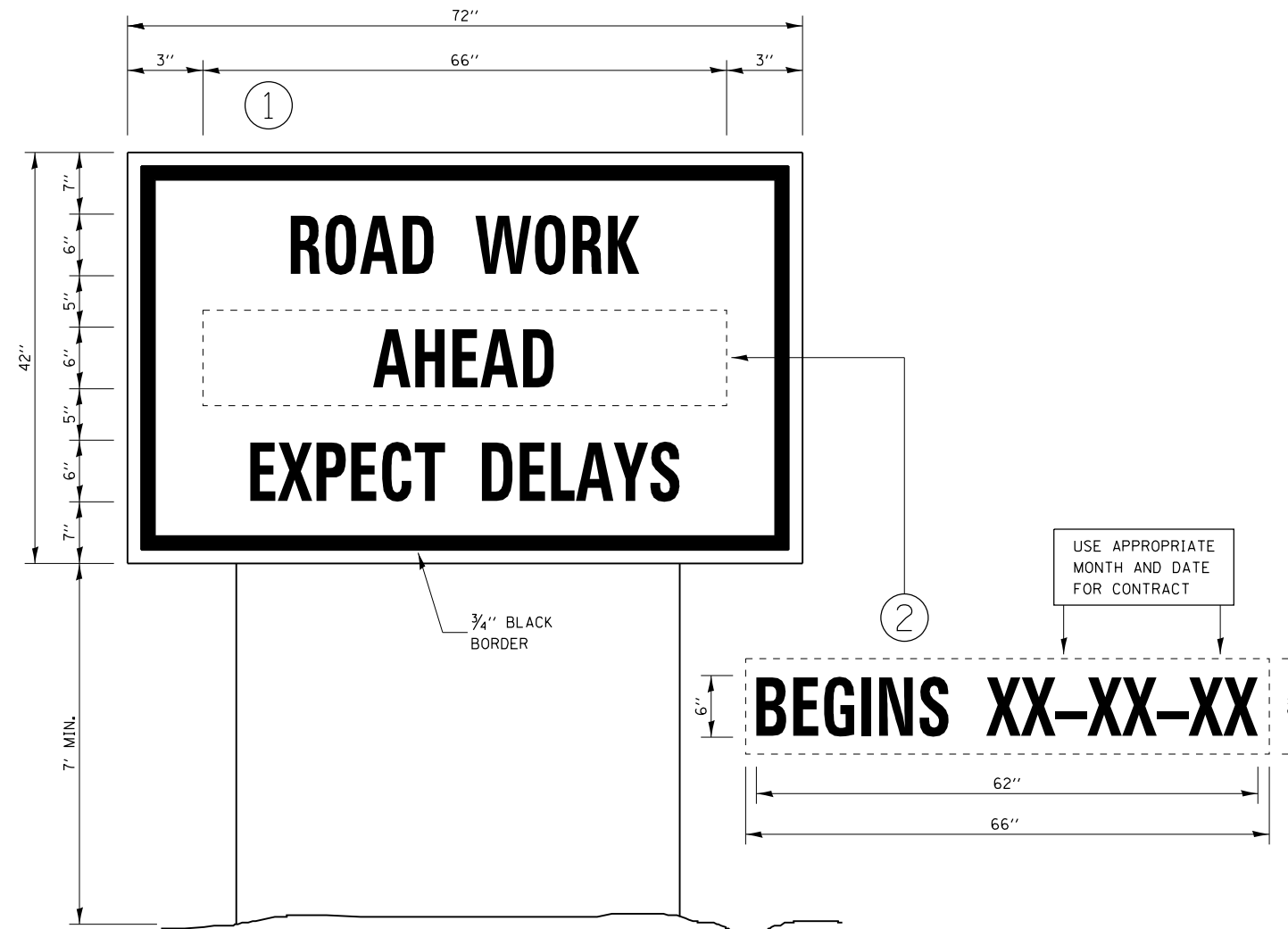
FILE NAME = ... \D366A69-sht-1L89-Std-1B.dgn	USER NAME = swilkinson	DESIGNED TMB	REVISED -
		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
#MODELNAME#	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SHORT-TERM PAVEMENT MARKING
 FOR MEDIANS AND ARROWS**

SCALE: NTS SHEET 17 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	331
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	



TEMPORARY INFORMATION SIGNING

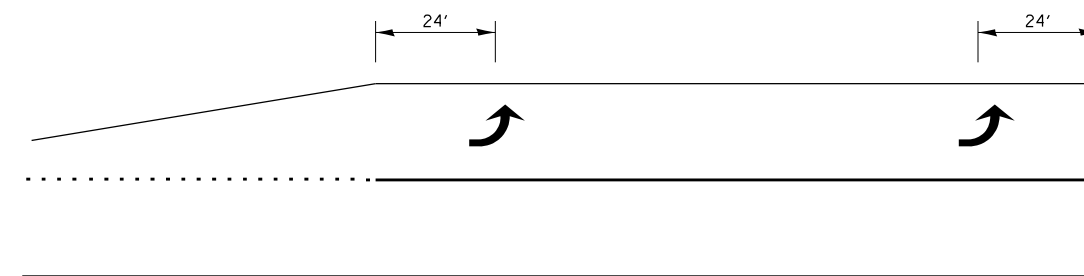
NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

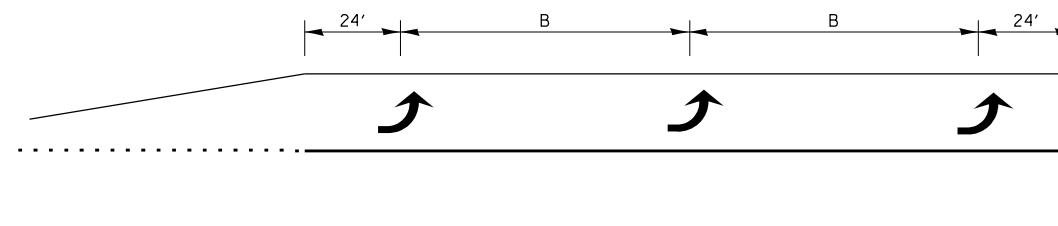
FILE NAME = ... \D366A69-sht-IL89-Std-20.dgn	USER NAME = swilkinson	DESIGNED TMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INFORMATION SIGNING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#MODELNAME#	PLOT SCALE = NTS	CHECKED JNR	REVISED -					698	1 (BR)	PUTNAM/BUREAU	415	332
	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -		SCALE: NTS	SHEET 18	OF 23 SHEETS	STA.	TO STA.	CONTRACT NO. 66A69		
										ILLINOIS FED. AID PROJECT		



99' AND UNDER



100' TO 149'



150' AND LONGER

**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

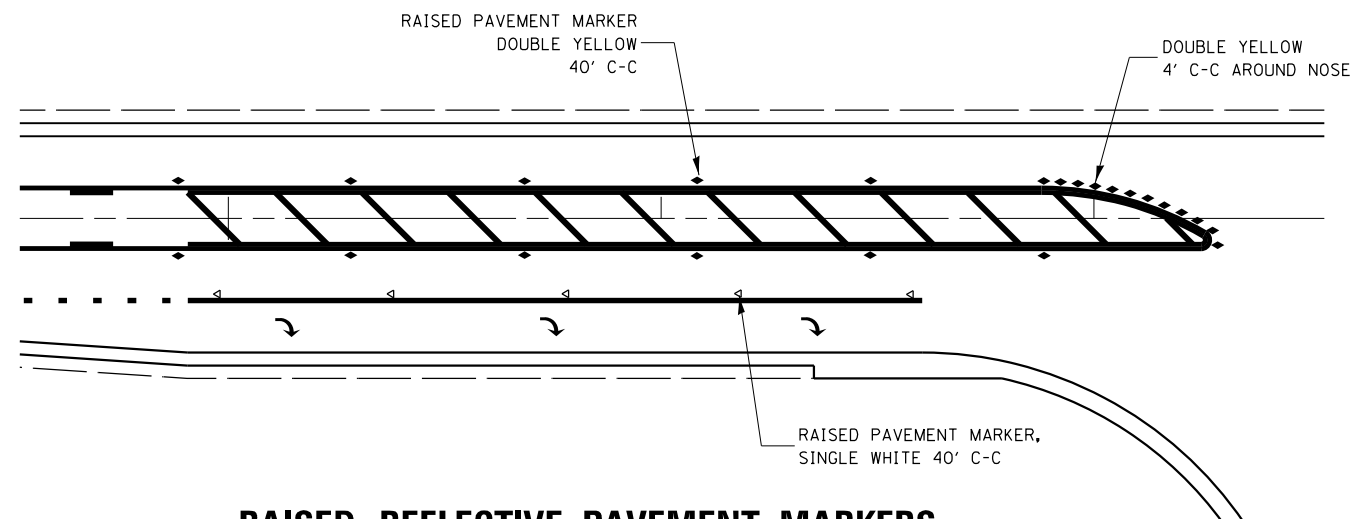
FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-sht-IL89-Std-21.dgn		DRAWN TMB	REVISED -
MODELNAME		CHECKED JNR	REVISED -
	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

SCALE: NTS SHEET 19 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	333
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	



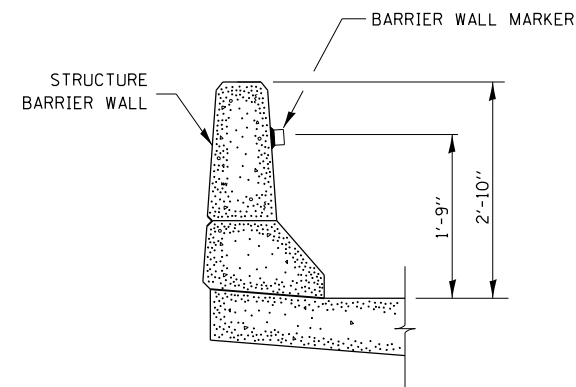
RAISED REFLECTIVE PAVEMENT MARKERS
RIGHT TURN LANE

FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-sht-IL89-Std-22.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
MODELNAME	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAISED REFLECTIVE PAVEMENT MARKERS			
RIGHT TURN LANE			
SCALE: NTS	SHEET 20	OF 23 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	334
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	



BARRIER WALL MARKER

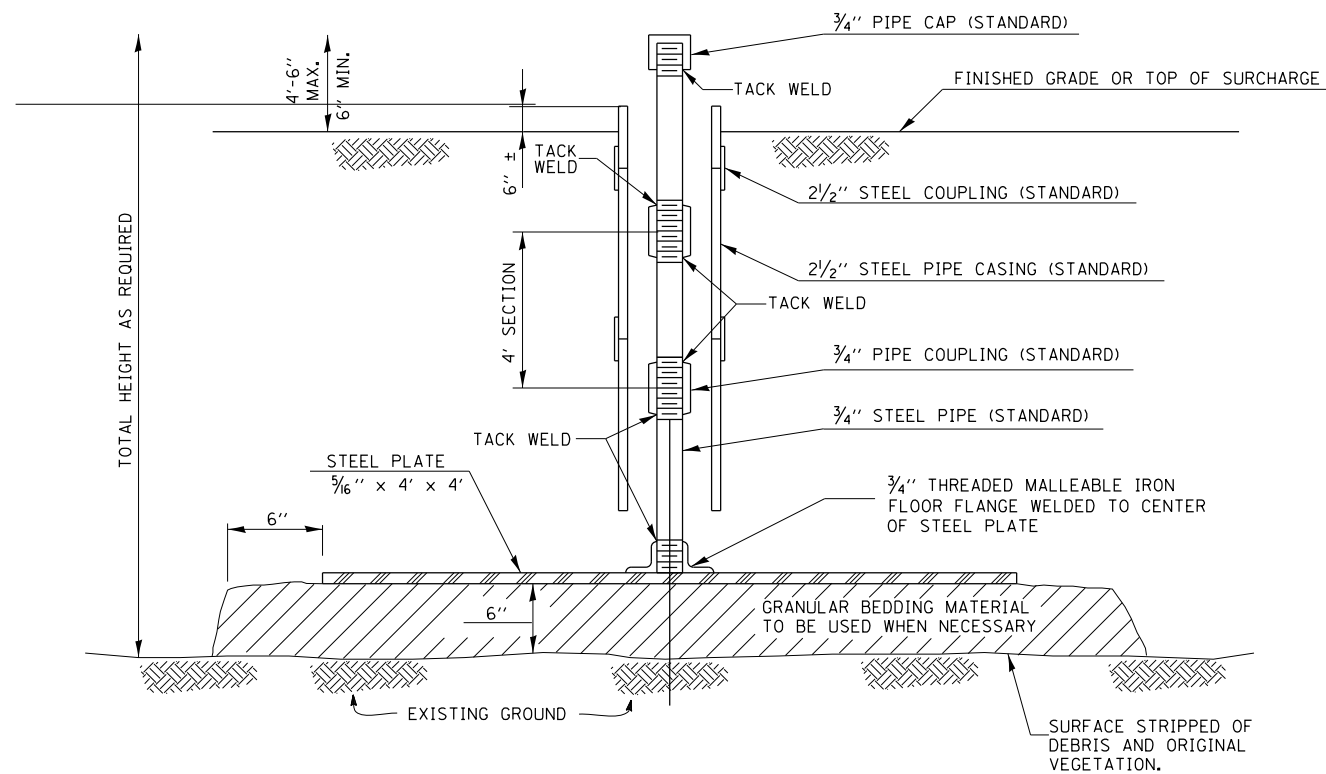
FILE NAME =	USER NAME = swilkinson	DESIGNED TMB	REVISED -
... \D366A69-sht-IL89-Std-23.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
MODELNAME	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BARRIER WALL MARKER

SCALE: NTS SHEET 21 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	335
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A69	



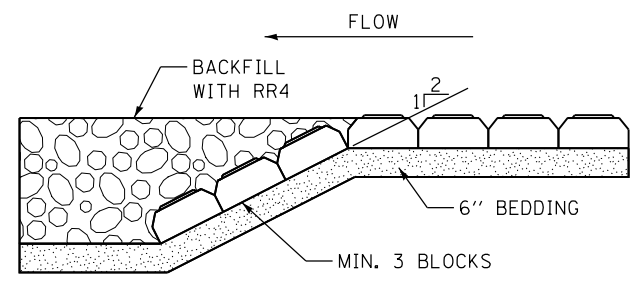
SETTLEMENT PLATFORM DETAIL

NOTES:

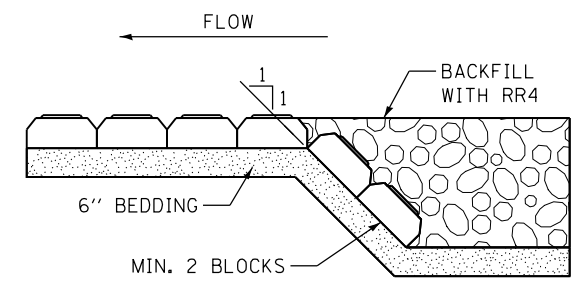
1. SEE SECTION 204.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
2. SETTLEMENT PLATFORMS WILL NOT BE MEASURED FOR PAYMENT.

TWO SETTLEMENT PLATFORMS SHALL BE CONSTRUCTED ON THIS PROJECT-ONE NORTH OF THE ILLINOIS RIVER AND ONE SOUTH OF THE ILLINOIS RIVER. THE COST IS INCLUDED IN THE COST OF FURNISHED EXCAVATION

FILE NAME = ...D366A69-sht-IL89-Std-24.dgn	USER NAME = swilkinson	DESIGNED TMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SETTLEMENT PLATFORM DETAIL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN TMB	REVISED -		698	1 (BR)	PUTNAM/BUREAU	415	336			
		CHECKED JNR	REVISED -		CONTRACT NO. 66A69				ILLINOIS FED. AID PROJECT			
MODELNAME		DATE 8/10/2015	REVISED -		SCALE: NTS	SHEET 22	OF 23 SHEETS	STA.	TO STA.			

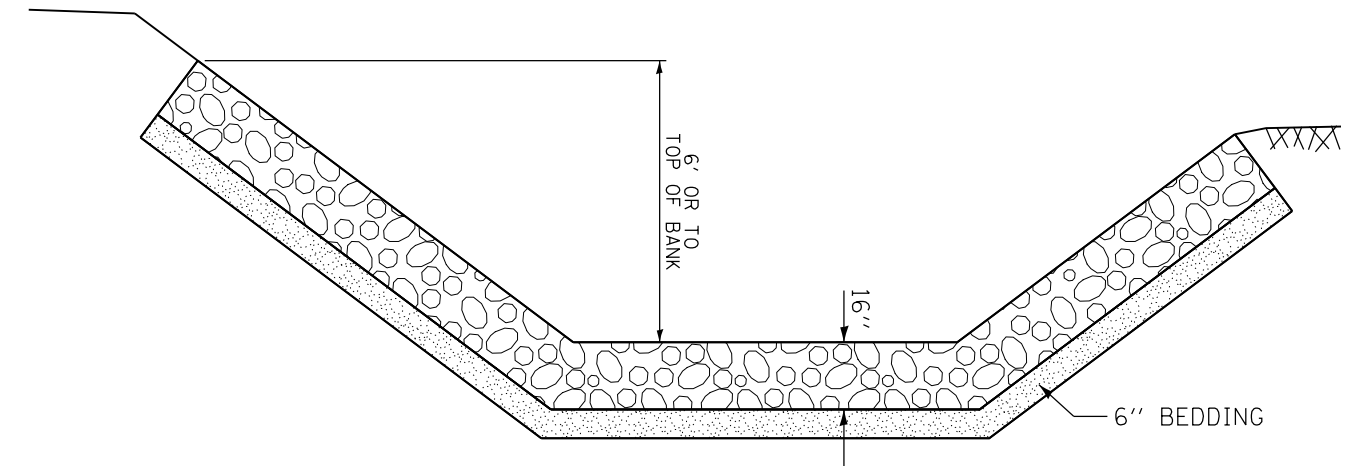


ARTICULATED BLOCK
DOWNSTREAM TOE-IN DETAIL
SECTION B-B

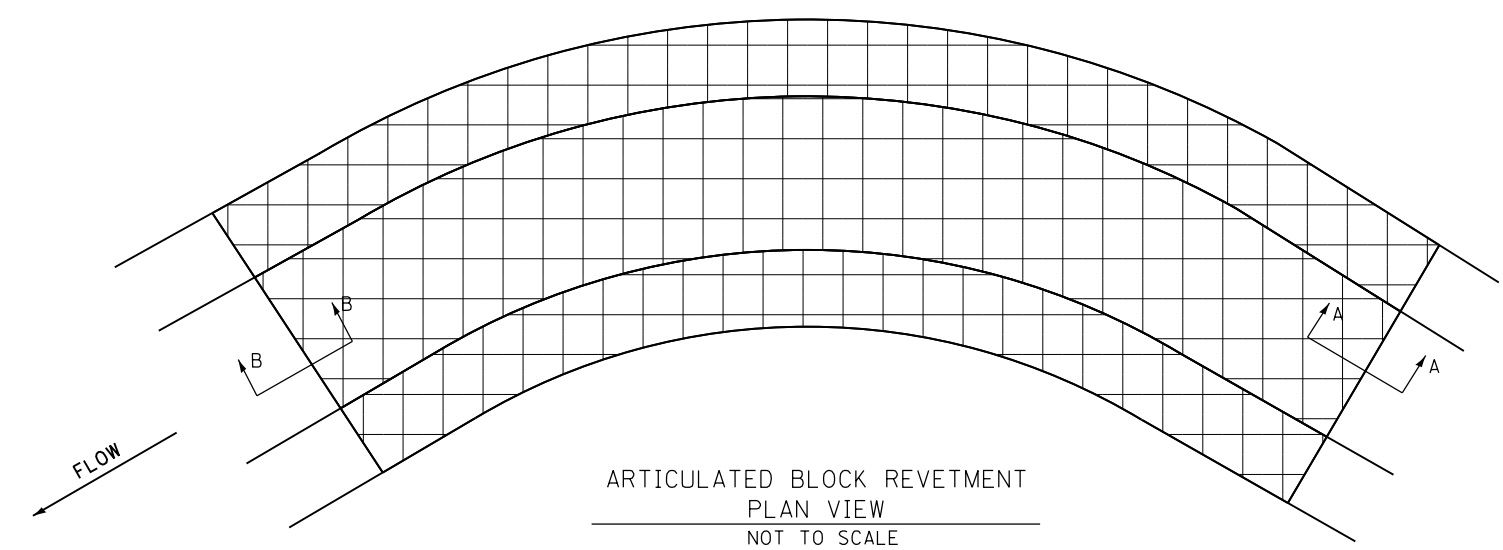


ARTICULATED BLOCK
UPSTREAM TOE-IN DETAIL
SECTION A-A

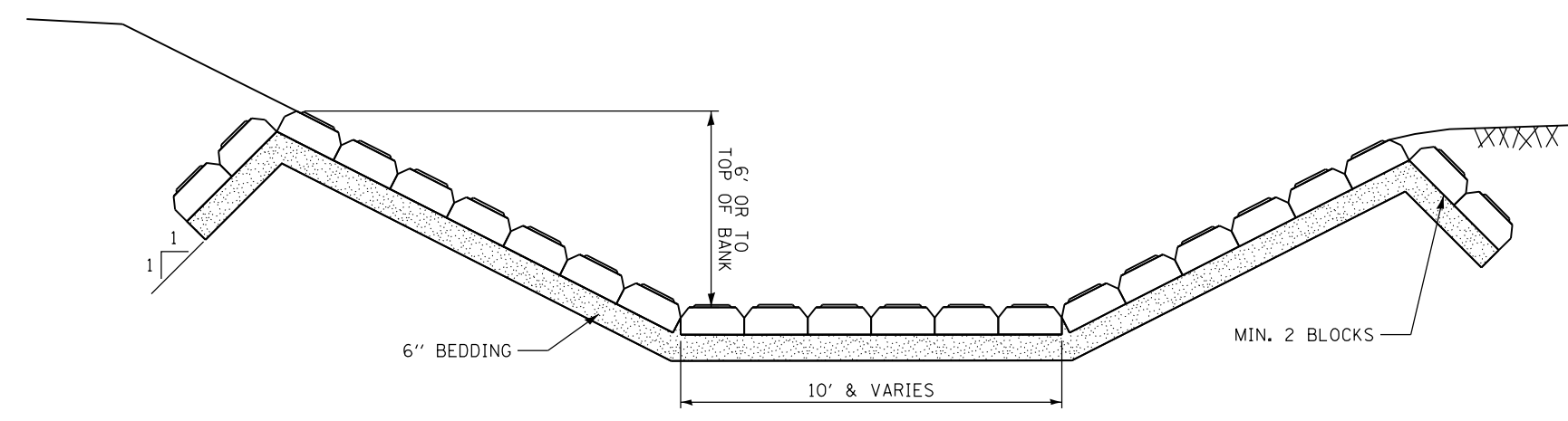
NOTE: CONNECTION BETWEEN ARTICULATED BLOCK AND RIPRAP SHOULD BE CLEANED AND FILLED WITH GROUT MATERIAL, MIN. 4000 PSI.



RIPRAP REVETMENT
CROSS SECTION
NOT TO SCALE



ARTICULATED BLOCK REVETMENT
PLAN VIEW
NOT TO SCALE



ARTICULATED BLOCK REVETMENT
CROSS SECTION
NOT TO SCALE

FILE NAME =	USER NAME = swilkson	DESIGNED TMB	REVISED -
... \D366A69-sht-1L89-Std-25.dgn		DRAWN TMB	REVISED -
		CHECKED JNR	REVISED -
#MODELNAME#	PLOT DATE = 8/6/2015	DATE 8/10/2015	REVISED -

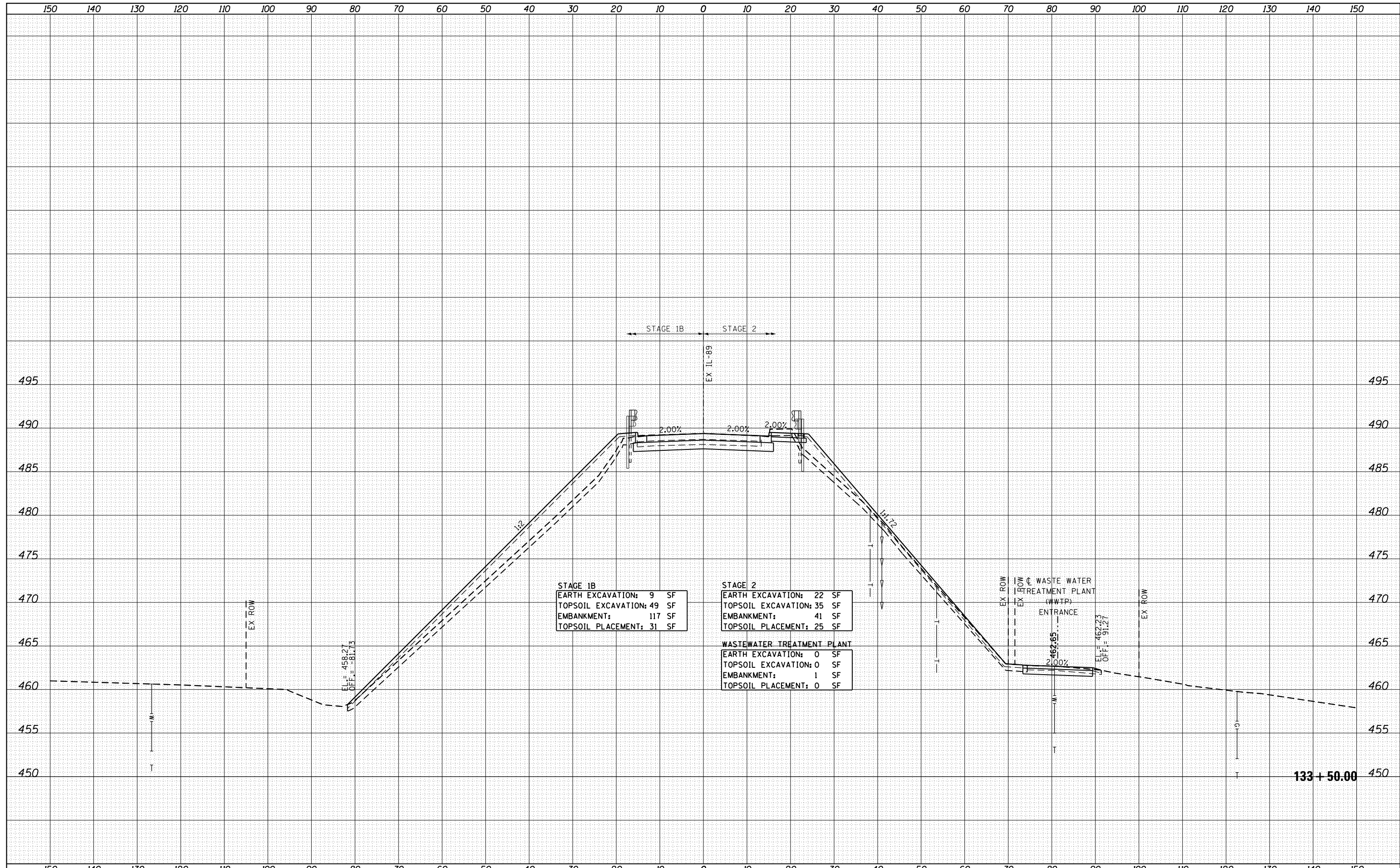
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP AND ARTICULATED BLOCK REVETMENT INSTALLATION DETAILS			
SCALE: NTS	SHEET 23	OF 23 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	337
CONTRACT NO. 66A69				
ILLINOIS FED. AID PROJECT				

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

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



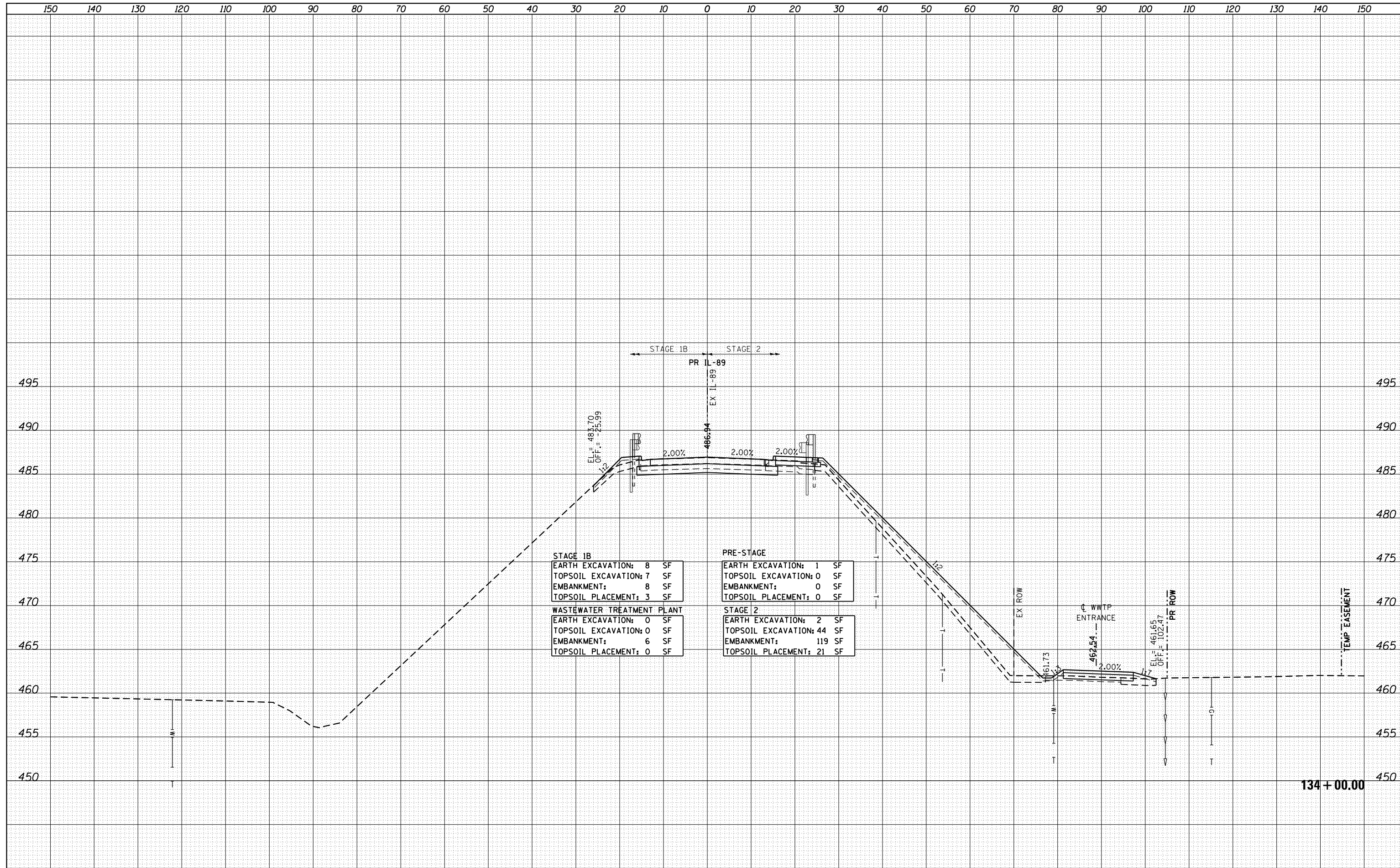
STAGE 1B	
EARTH EXCAVATION:	9 SF
TOPSOIL EXCAVATION:	49 SF
EMBANKMENT:	117 SF
TOPSOIL PLACEMENT:	31 SF

STAGE 2	
EARTH EXCAVATION:	22 SF
TOPSOIL EXCAVATION:	35 SF
EMBANKMENT:	41 SF
TOPSOIL PLACEMENT:	25 SF

WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	1 SF
TOPSOIL PLACEMENT:	0 SF

DATE	
BY	
FINISHED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

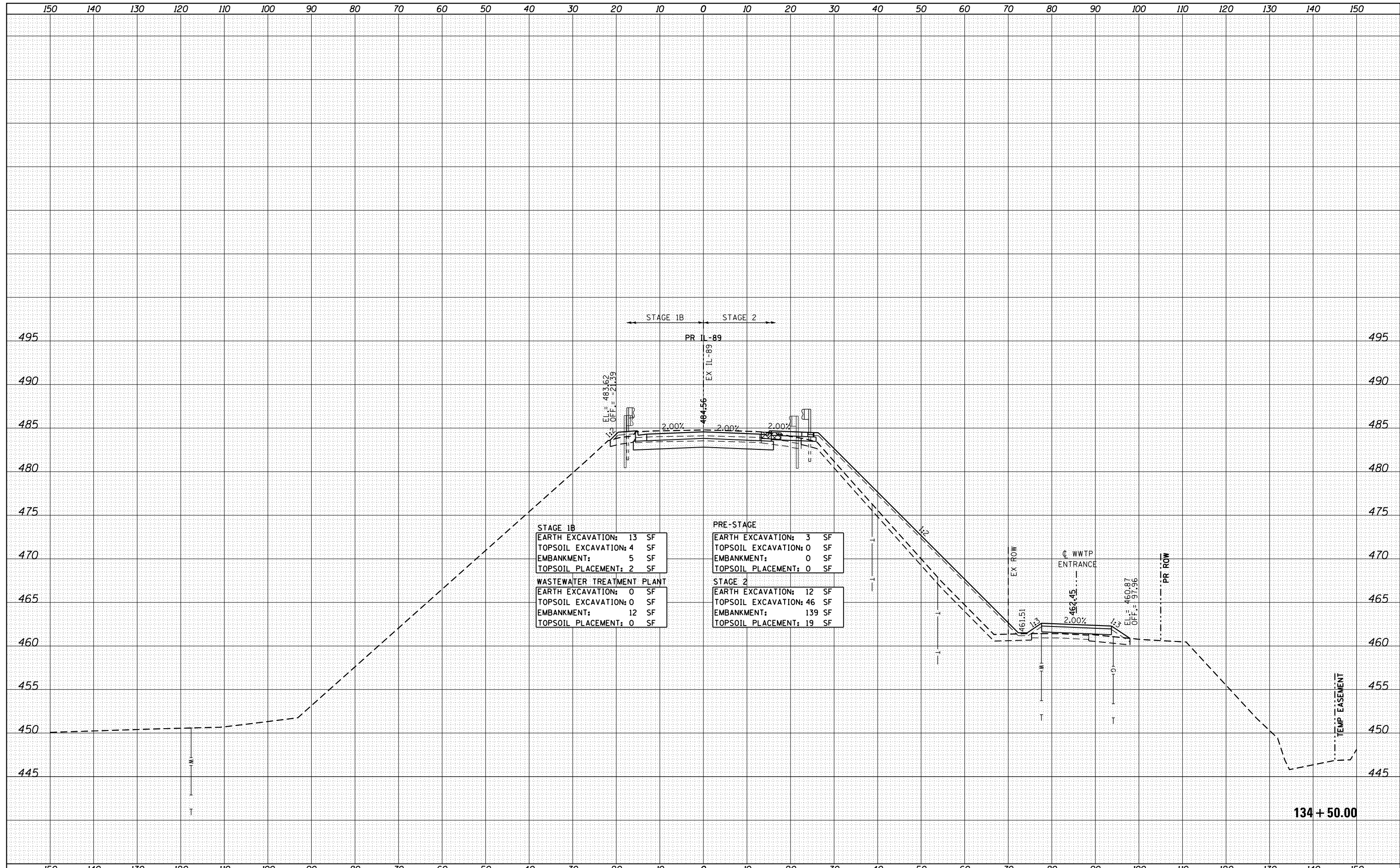
DATE	
BY	
ORIGINAL	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



STAGE 1B	PRE-STAGE
EARTH EXCAVATION: 8 SF	EARTH EXCAVATION: 1 SF
TOPSOIL EXCAVATION: 7 SF	TOPSOIL EXCAVATION: 0 SF
EMBANKMENT: 8 SF	EMBANKMENT: 0 SF
TOPSOIL PLACEMENT: 3 SF	TOPSOIL PLACEMENT: 0 SF
WASTEWATER TREATMENT PLANT	STAGE 2
EARTH EXCAVATION: 0 SF	EARTH EXCAVATION: 2 SF
TOPSOIL EXCAVATION: 0 SF	TOPSOIL EXCAVATION: 44 SF
EMBANKMENT: 6 SF	EMBANKMENT: 119 SF
TOPSOIL PLACEMENT: 0 SF	TOPSOIL PLACEMENT: 21 SF

DATE	
BY	
FINISHED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



STAGE 1B	
EARTH EXCAVATION:	13 SF
TOPSOIL EXCAVATION:	4 SF
EMBANKMENT:	5 SF
TOPSOIL PLACEMENT:	2 SF
WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	12 SF
TOPSOIL PLACEMENT:	0 SF

PRE-STAGE	
EARTH EXCAVATION:	3 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	0 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 2	
EARTH EXCAVATION:	12 SF
TOPSOIL EXCAVATION:	46 SF
EMBANKMENT:	139 SF
TOPSOIL PLACEMENT:	19 SF

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISED -
PLOT DATE = 8/7/2015	CHECKED - JNR	REVISED -
	DATE - 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

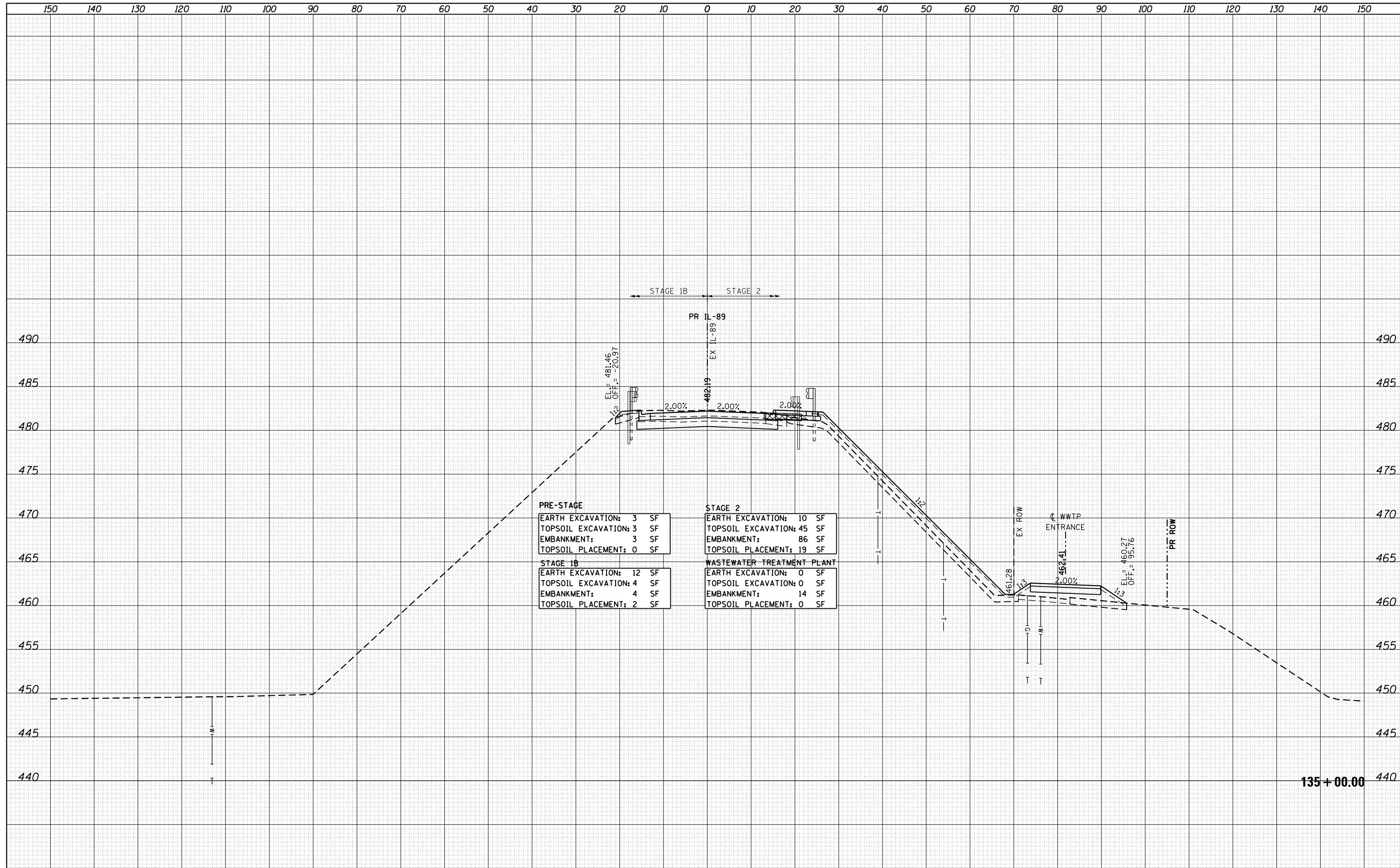
**CROSS SECTIONS
IL 89**

SCALE: SHEET OF SHEETS STA. 134+50.00 TO STA. 134+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	340
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

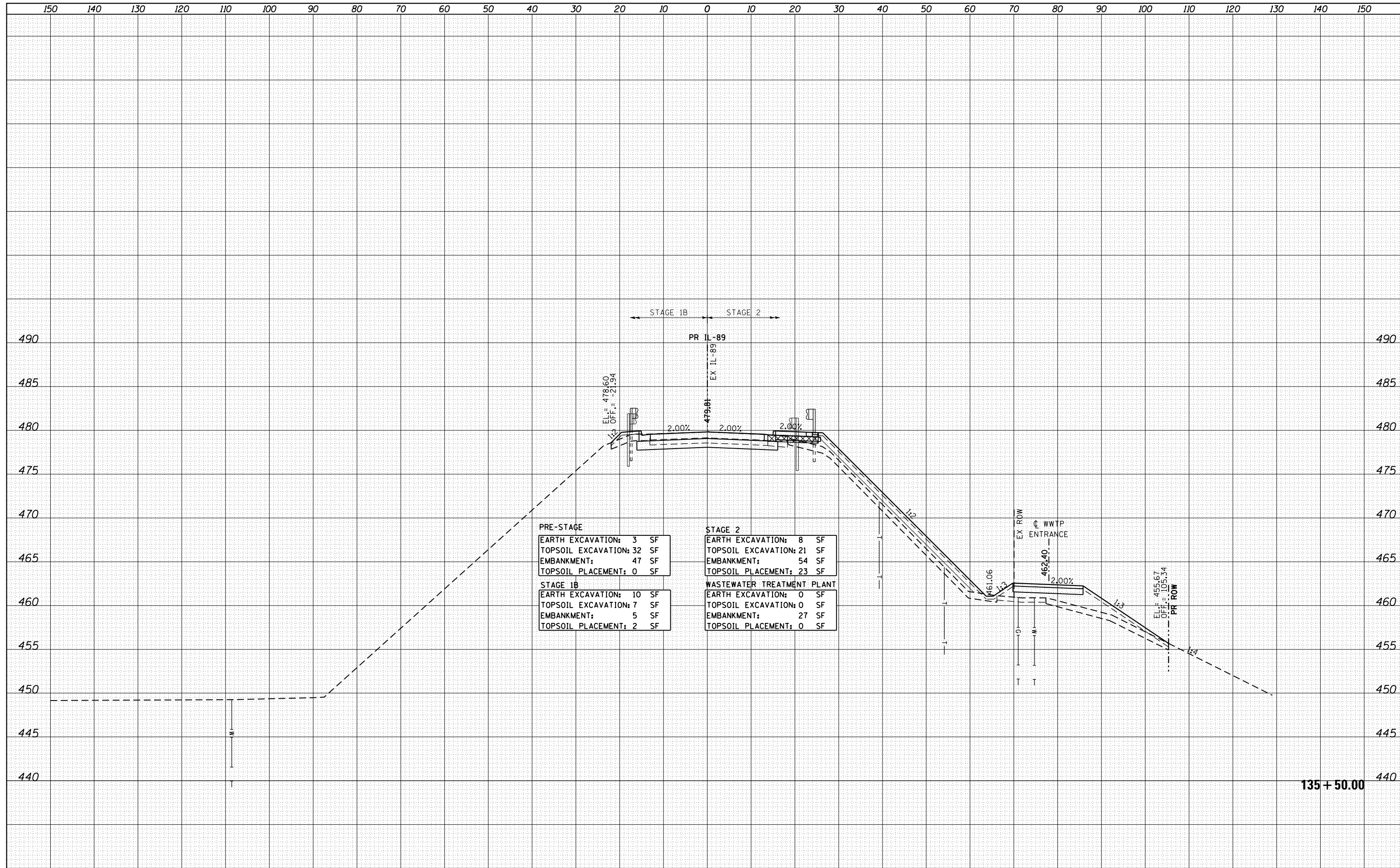
DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NOTE BOOK NO.	
FINISHED SURVEY NO.	
PLATTED	
AREAS CHECKED	



PRE-STAGE		STAGE 2	
EARTH EXCAVATION:	3 SF	EARTH EXCAVATION:	10 SF
TOPSOIL EXCAVATION:	3 SF	TOPSOIL EXCAVATION:	45 SF
EMBANKMENT:	3 SF	EMBANKMENT:	86 SF
TOPSOIL PLACEMENT:	0 SF	TOPSOIL PLACEMENT:	19 SF
STAGE 1B		WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	12 SF	EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	4 SF	TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	4 SF	EMBANKMENT:	14 SF
TOPSOIL PLACEMENT:	2 SF	TOPSOIL PLACEMENT:	0 SF

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



PRE-STAGE	
EARTH EXCAVATION:	3 SF
TOPSOIL EXCAVATION:	32 SF
EMBANKMENT:	47 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1B	
EARTH EXCAVATION:	10 SF
TOPSOIL EXCAVATION:	7 SF
EMBANKMENT:	5 SF
TOPSOIL PLACEMENT:	2 SF
STAGE 2	
EARTH EXCAVATION:	8 SF
TOPSOIL EXCAVATION:	21 SF
EMBANKMENT:	54 SF
TOPSOIL PLACEMENT:	23 SF
WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	27 SF
TOPSOIL PLACEMENT:	0 SF

FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -
...Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -
		CHECKED - JNR	REVISED -
		DATE - 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

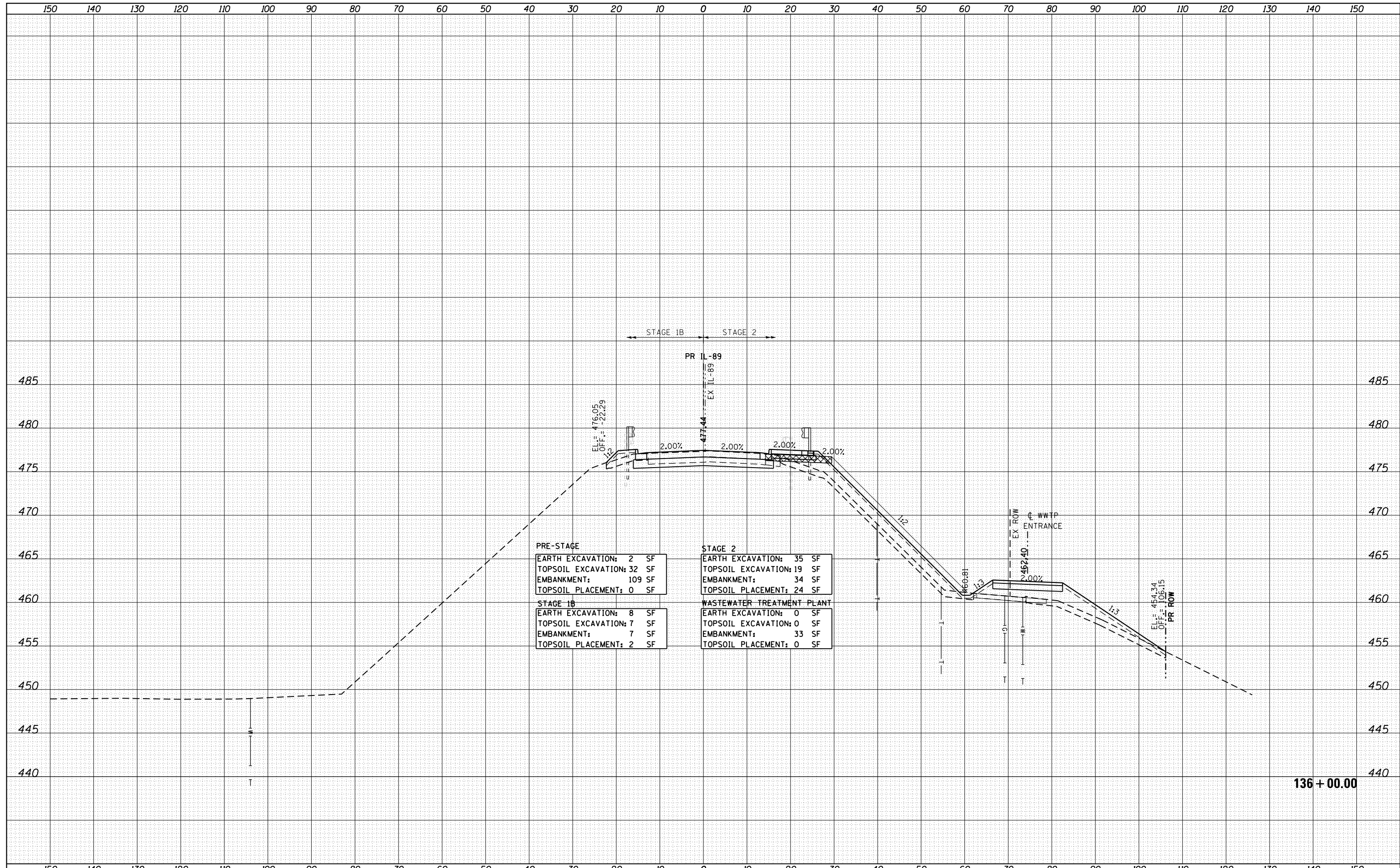
CROSS SECTIONS			
IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 135+50.00 TO STA. 135+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	342
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

135 + 50.00

DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	

DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	



PRE-STAGE	
EARTH EXCAVATION:	2 SF
TOPSOIL EXCAVATION:	32 SF
EMBANKMENT:	109 SF
TOPSOIL PLACEMENT:	0 SF

STAGE 1B	
EARTH EXCAVATION:	8 SF
TOPSOIL EXCAVATION:	7 SF
EMBANKMENT:	7 SF
TOPSOIL PLACEMENT:	2 SF

STAGE 2	
EARTH EXCAVATION:	35 SF
TOPSOIL EXCAVATION:	19 SF
EMBANKMENT:	34 SF
TOPSOIL PLACEMENT:	24 SF

WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	33 SF
TOPSOIL PLACEMENT:	0 SF

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISIONS
	DRAWN - TMB	REVISIONS
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISIONS
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISIONS

DESIGNED - RJP	REVISIONS
DRAWN - TMB	REVISIONS
CHECKED - JNR	REVISIONS
DATE - 8/10/2015	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

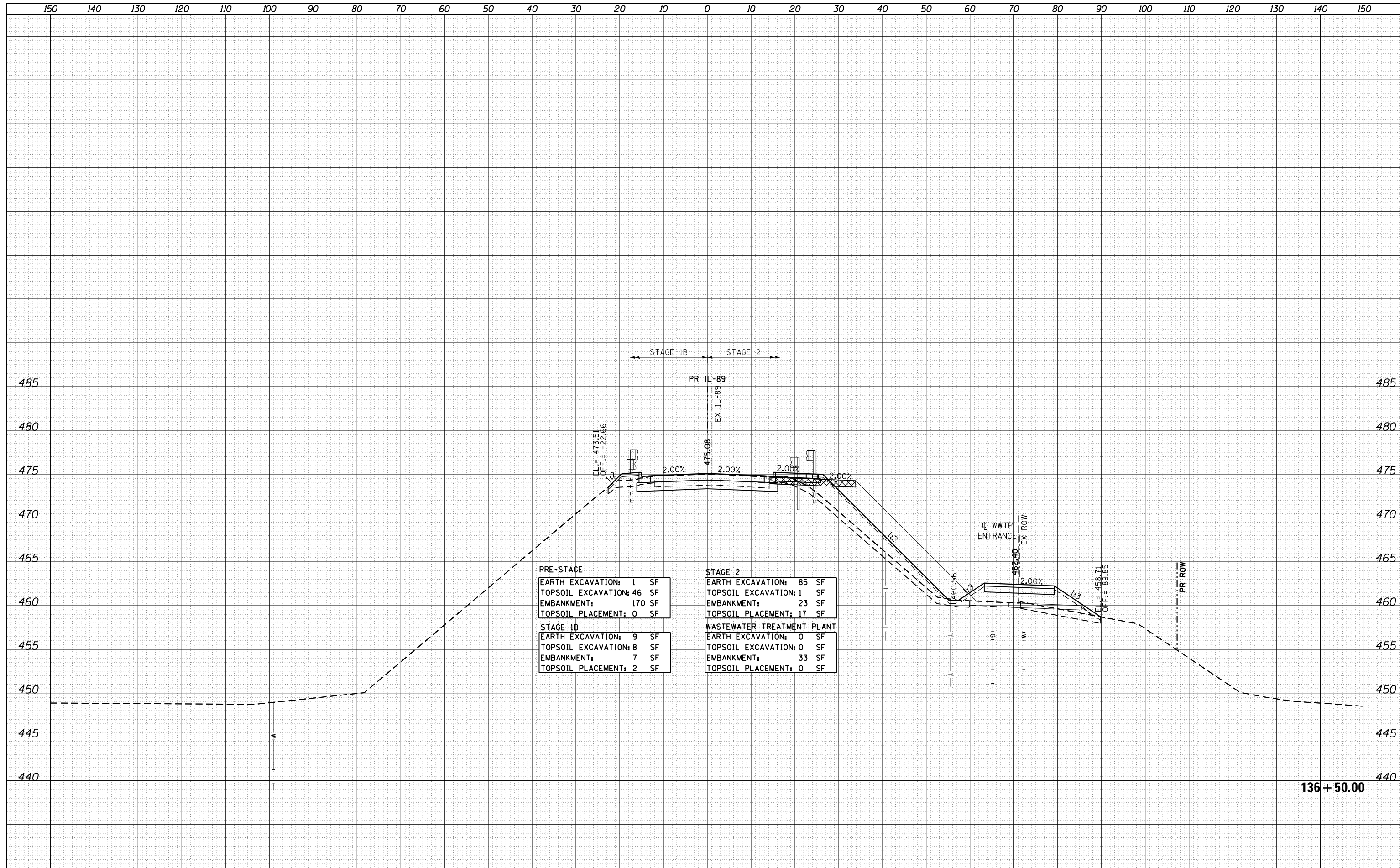
CROSS SECTIONS			
IL 89			
SCALE:	SHEET	OF SHEETS	STA. 136+00.00 TO STA. 136+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	343
CONTRACT NO. 66A69				
ILLINOIS FED. AID PROJECT				

136 + 00.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



PRE-STAGE	
EARTH EXCAVATION:	1 SF
TOPSOIL EXCAVATION:	46 SF
EMBANKMENT:	170 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1B	
EARTH EXCAVATION:	9 SF
TOPSOIL EXCAVATION:	8 SF
EMBANKMENT:	7 SF
TOPSOIL PLACEMENT:	2 SF

STAGE 2	
EARTH EXCAVATION:	85 SF
TOPSOIL EXCAVATION:	1 SF
EMBANKMENT:	23 SF
TOPSOIL PLACEMENT:	17 SF
WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	33 SF
TOPSOIL PLACEMENT:	0 SF

136 + 50.00

FILE NAME = ...Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISIED -
PLLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISIED -
PLLOT DATE = 8/7/2015	CHECKED - JNR	REVISIED -
	DATE - 8/10/2015	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

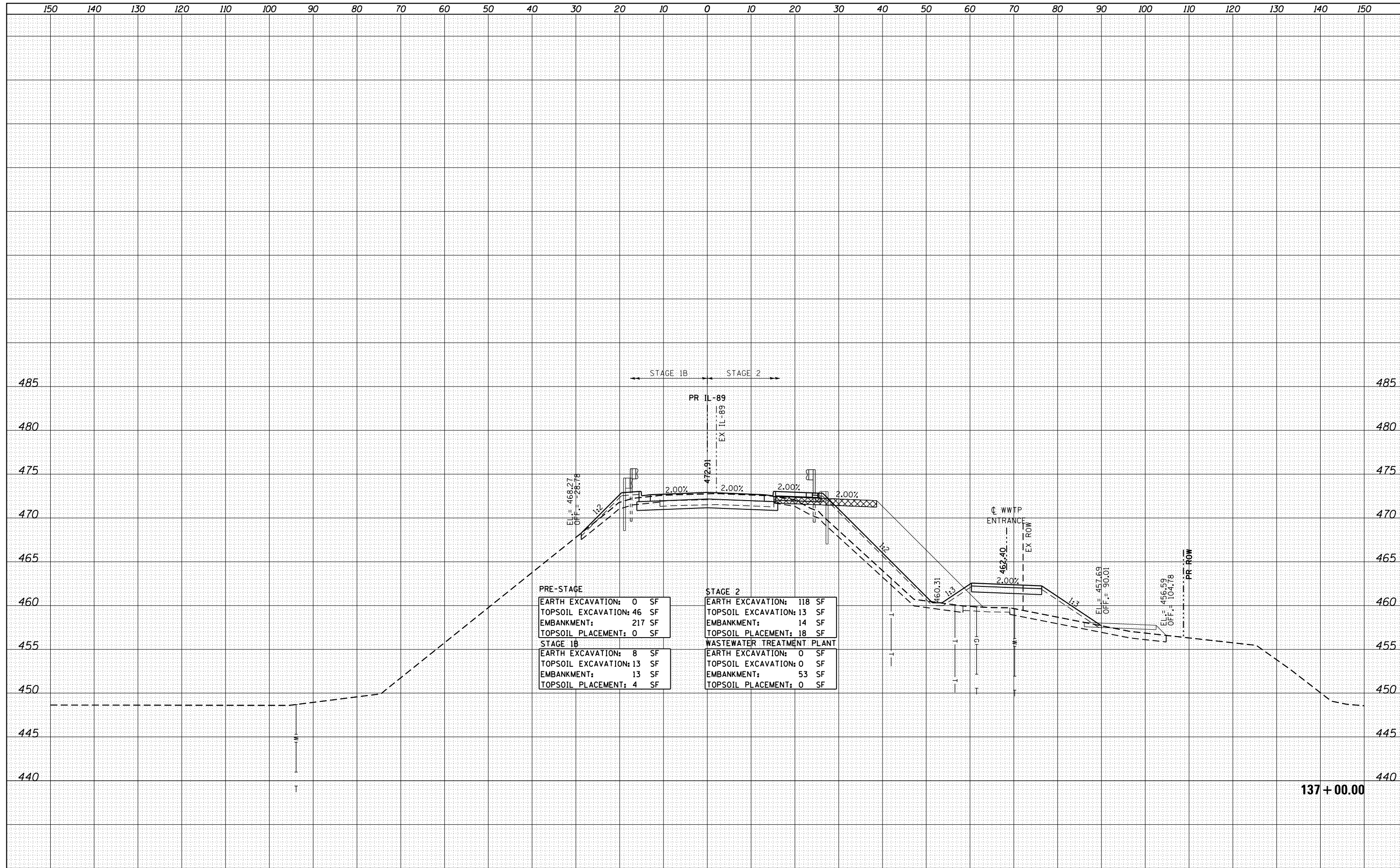
CROSS SECTIONS
IL 89

SCALE: SHEET OF SHEETS STA. 136+50.00 TO STA. 136+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	344
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



PRE-STAGE	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	46 SF
EMBANKMENT:	217 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1B	
EARTH EXCAVATION:	8 SF
TOPSOIL EXCAVATION:	13 SF
EMBANKMENT:	13 SF
TOPSOIL PLACEMENT:	4 SF
STAGE 2	
EARTH EXCAVATION:	118 SF
TOPSOIL EXCAVATION:	13 SF
EMBANKMENT:	14 SF
TOPSOIL PLACEMENT:	18 SF
WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	53 SF
TOPSOIL PLACEMENT:	0 SF

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISD -
PLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISD -
PLOT DATE = 8/7/2015	CHECKED - JNR	REVISD -
	DATE - 8/10/2015	REVISD -

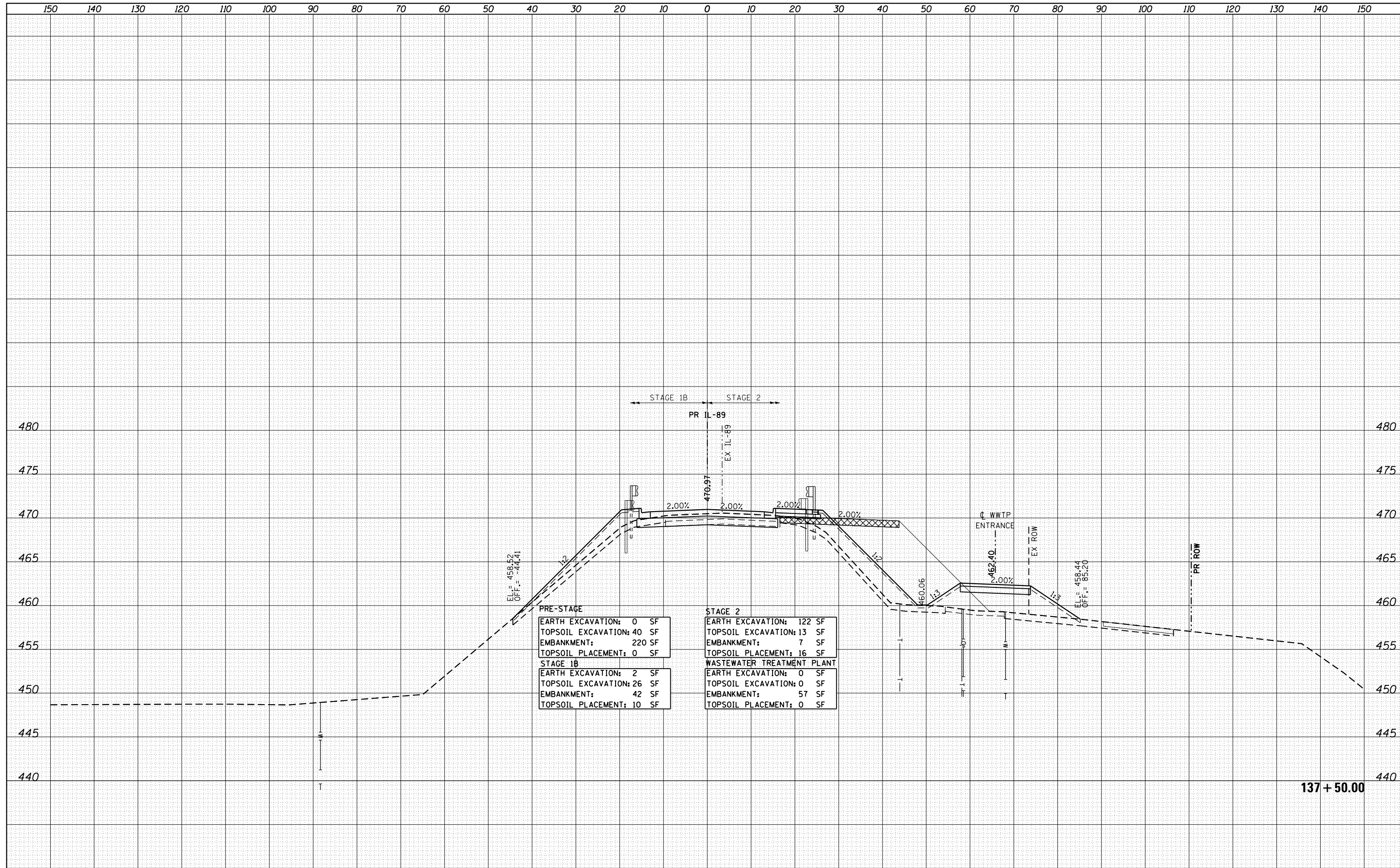
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 137+00.00 TO STA. 137+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	345
				CONTRACT NO. 66A69
ILLINOIS FED. AID PROJECT				

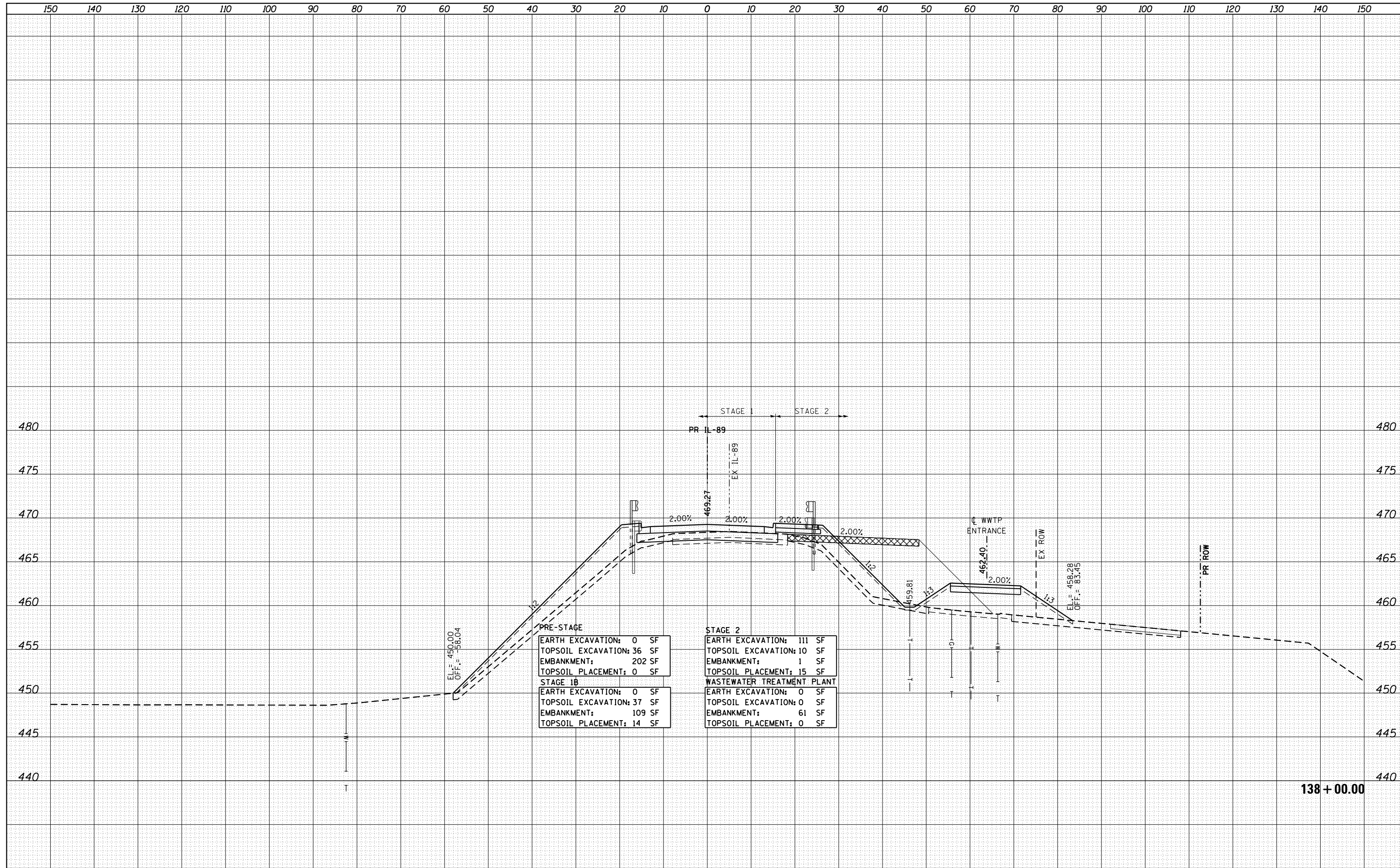
DATE	
BY	
FINISHED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL	
SURVEY	
NOTE	
BOOK	
AREAS	
CHECKED	
NO.	



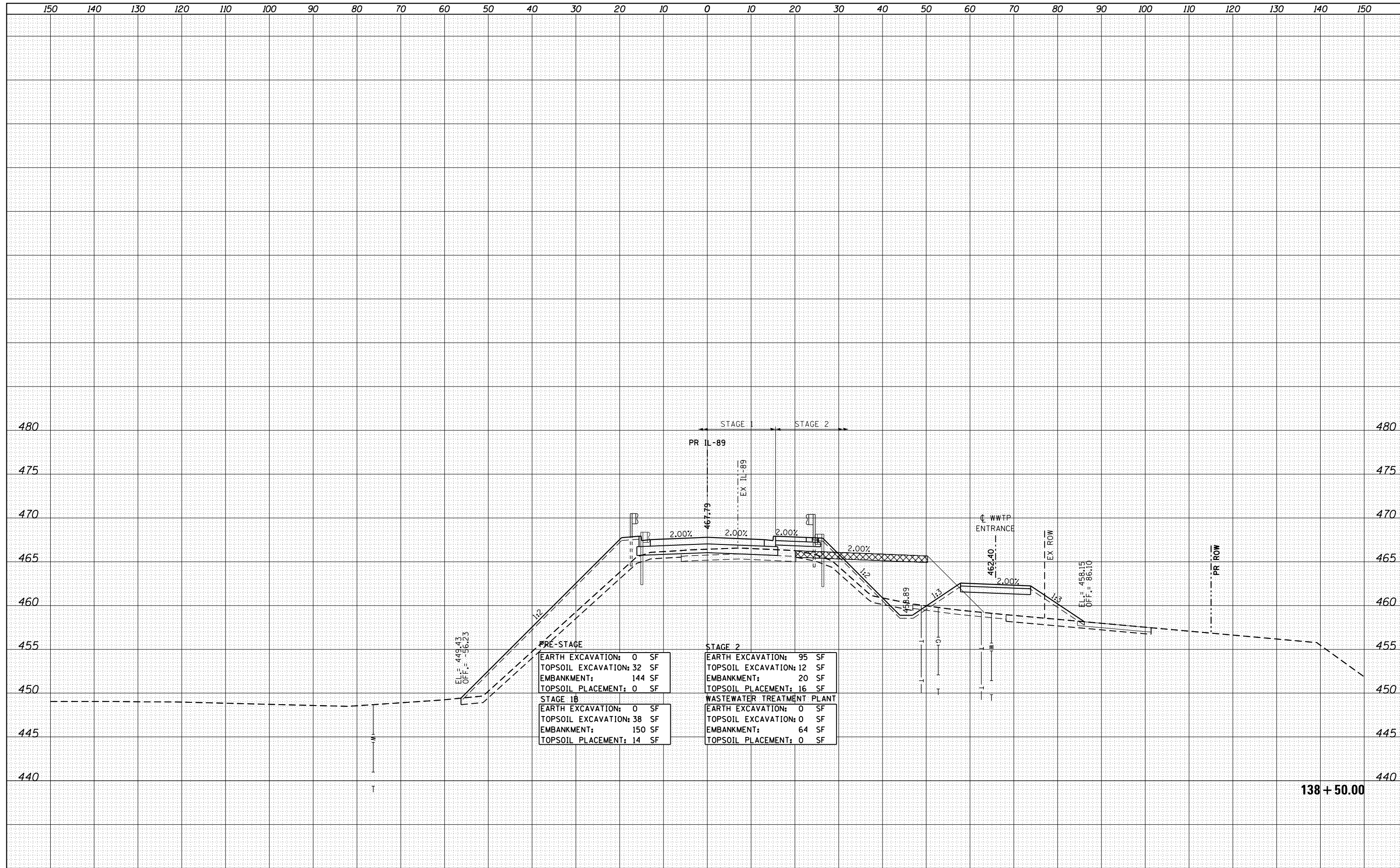
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



PRE-STAGE	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	32 SF
EMBANKMENT:	144 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1B	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	38 SF
EMBANKMENT:	150 SF
TOPSOIL PLACEMENT:	14 SF

STAGE 2	
EARTH EXCAVATION:	95 SF
TOPSOIL EXCAVATION:	12 SF
EMBANKMENT:	20 SF
TOPSOIL PLACEMENT:	16 SF
WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	64 SF
TOPSOIL PLACEMENT:	0 SF

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson
 PLOT SCALE = 1:10 H, 1:5 V
 PLOT DATE = 8/7/2015

DESIGNED - RJP
 DRAWN - TMB
 CHECKED - JNR
 DATE - 8/10/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

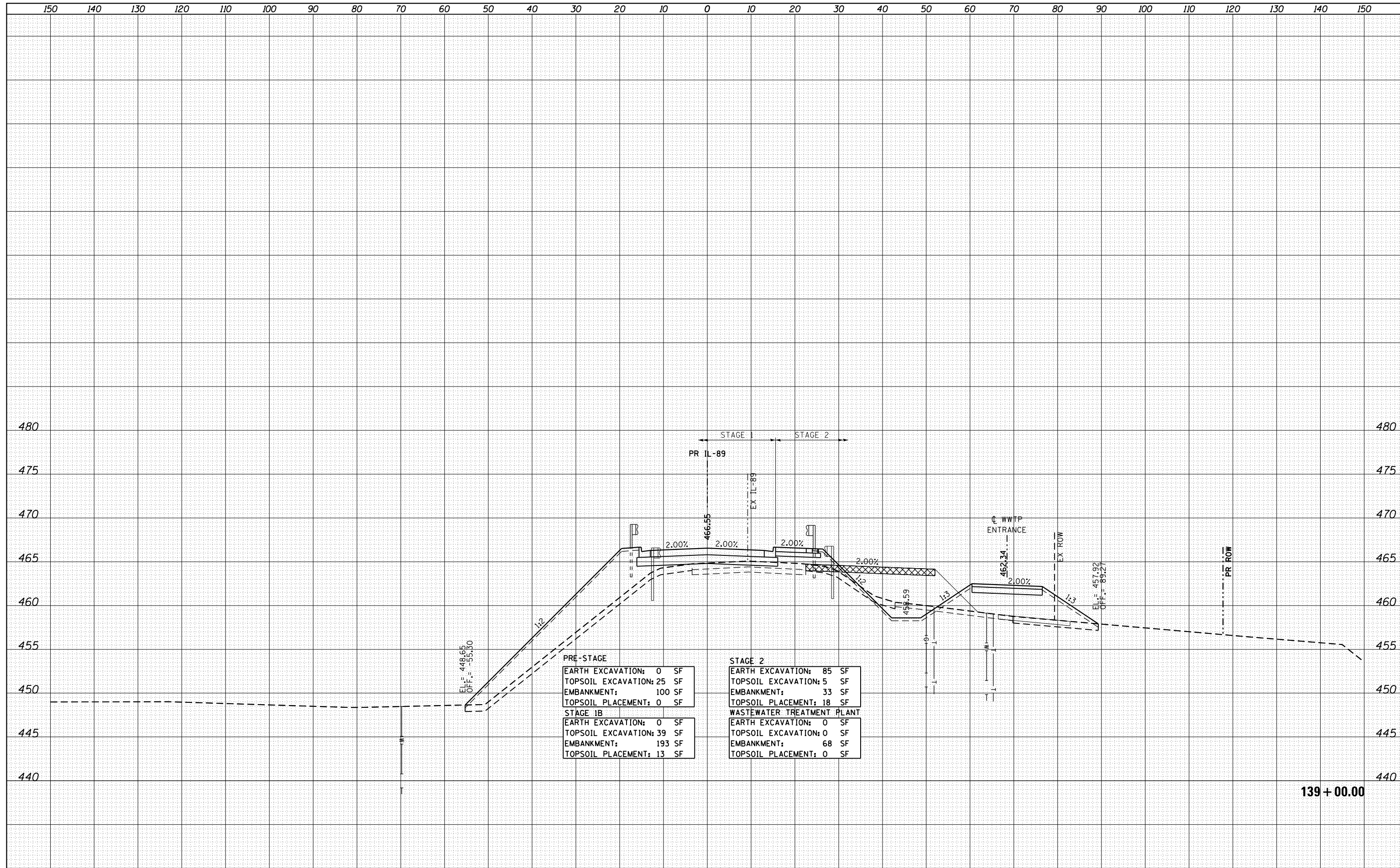
**CROSS SECTIONS
 IL 89**
 SCALE: SHEET OF SHEETS STA. 138+50.00 TO STA. 138+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	348
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

138 + 50.00

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

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



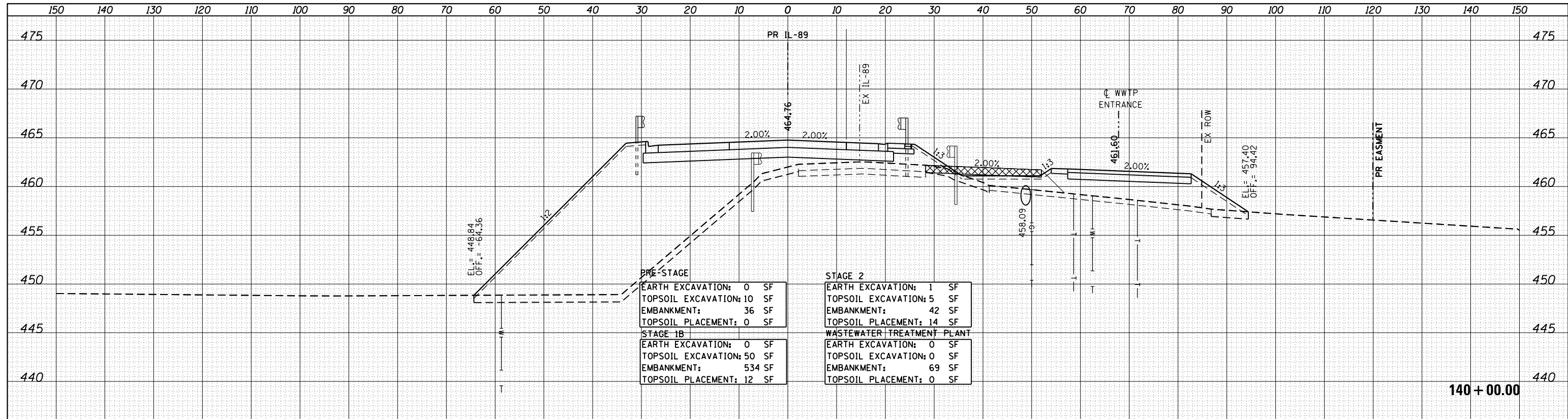
PRE-STAGE	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	25 SF
EMBANKMENT:	100 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1B	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	39 SF
EMBANKMENT:	193 SF
TOPSOIL PLACEMENT:	13 SF

STAGE 2	
EARTH EXCAVATION:	85 SF
TOPSOIL EXCAVATION:	5 SF
EMBANKMENT:	33 SF
TOPSOIL PLACEMENT:	18 SF
WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	68 SF
TOPSOIL PLACEMENT:	0 SF

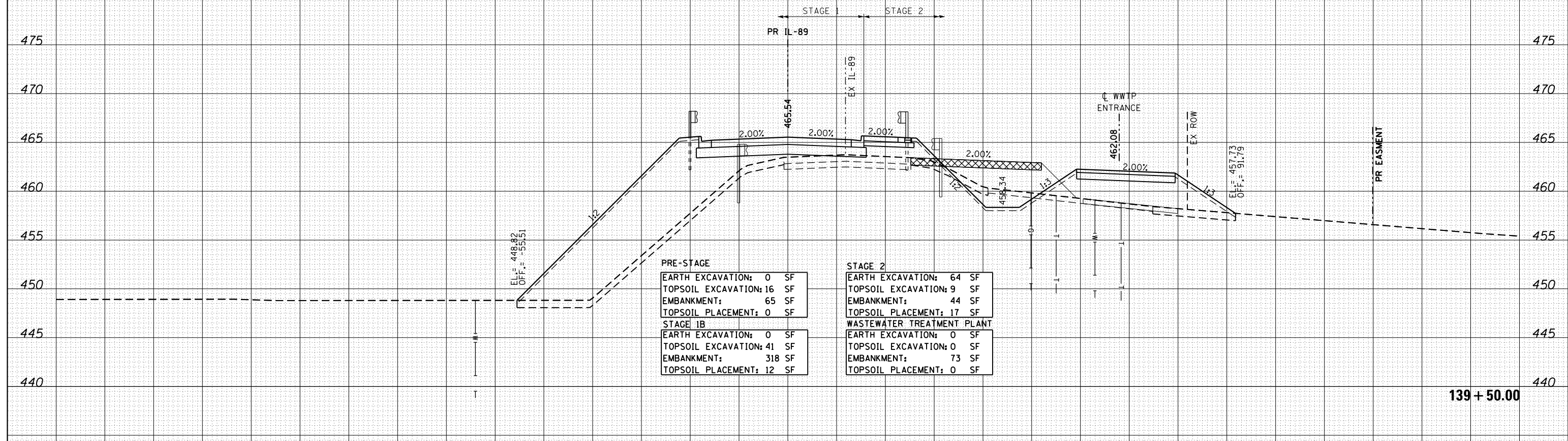
139 + 00.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



PRE-STAGE	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	10 SF
EMBANKMENT:	36 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1B	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	50 SF
EMBANKMENT:	534 SF
TOPSOIL PLACEMENT:	12 SF
STAGE 2	
EARTH EXCAVATION:	1 SF
TOPSOIL EXCAVATION:	5 SF
EMBANKMENT:	42 SF
TOPSOIL PLACEMENT:	14 SF
WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	69 SF
TOPSOIL PLACEMENT:	0 SF



PRE-STAGE	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	16 SF
EMBANKMENT:	65 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1B	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	41 SF
EMBANKMENT:	318 SF
TOPSOIL PLACEMENT:	12 SF
STAGE 2	
EARTH EXCAVATION:	64 SF
TOPSOIL EXCAVATION:	9 SF
EMBANKMENT:	44 SF
TOPSOIL PLACEMENT:	17 SF
WASTEWATER TREATMENT PLANT	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	73 SF
TOPSOIL PLACEMENT:	0 SF

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISED -
PLOT DATE = 8/7/2015	CHECKED - JNR	REVISED -
	DATE - 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

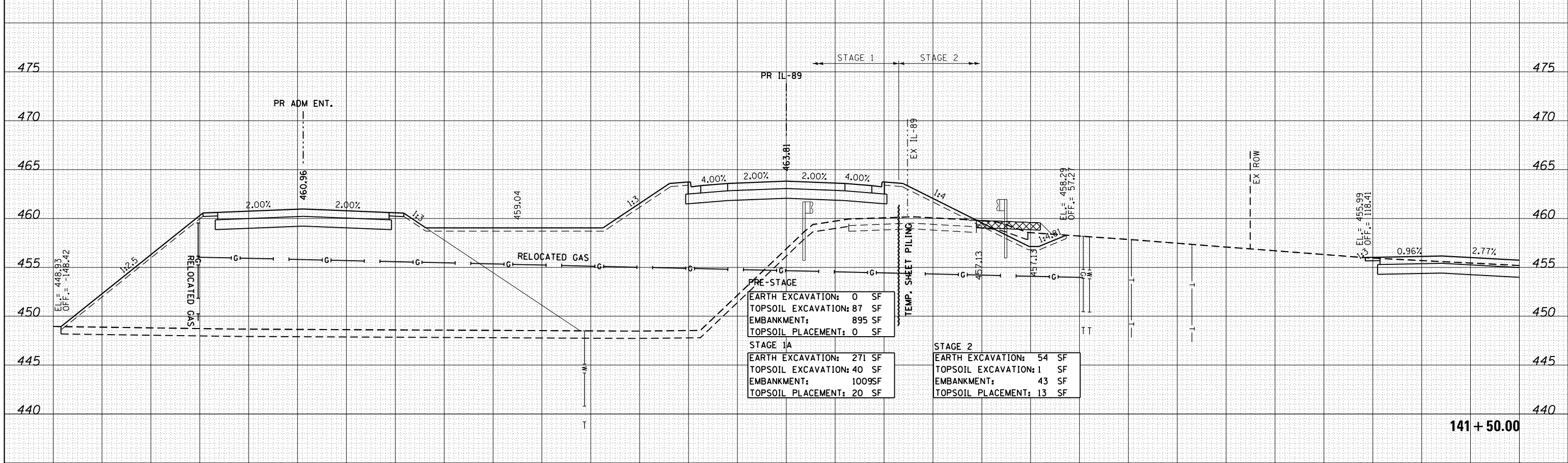
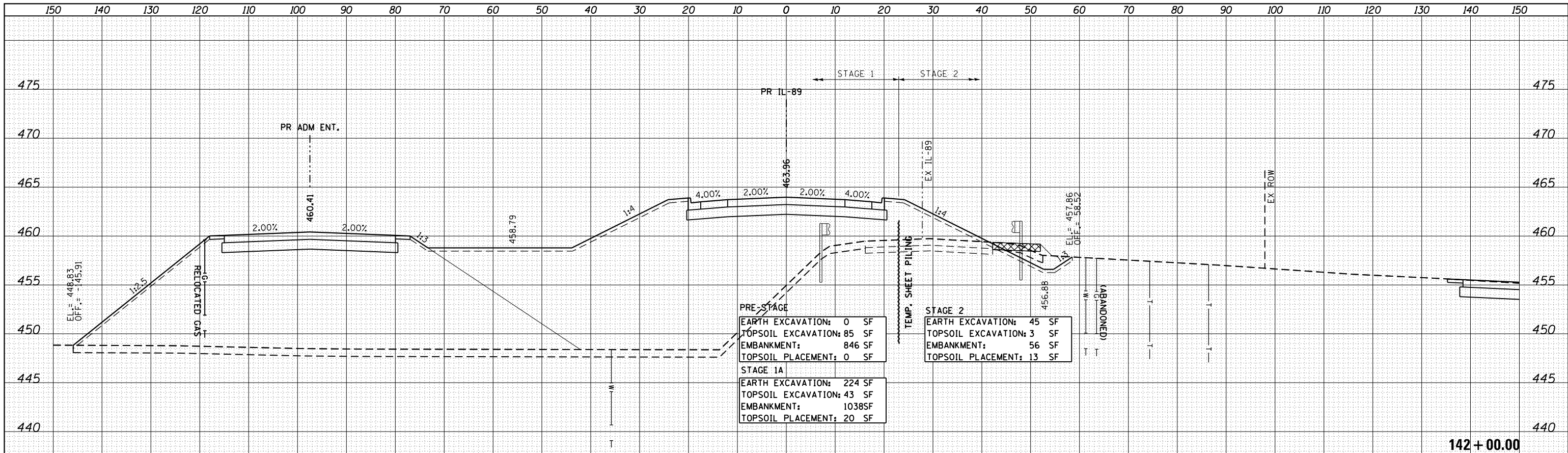
**CROSS SECTIONS
IL 89**

SCALE: SHEET OF SHEETS STA. 139+50.00 TO STA. 140+00.00

F.A. RTE. 698	SECTION 1 (BR)	COUNTY PUTNAM/BUREAU	TOTAL SHEETS 415	SHEET NO. 350
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED	
NO.	
DATE	
BY	
FINISHED	
NO.	
DATE	
BY	
FINISHED	
NO.	

DATE	
BY	
FINISHED	
NO.	
DATE	
BY	
FINISHED	
NO.	
DATE	
BY	
FINISHED	
NO.	



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn

MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISD -
PLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISD -
PLOT DATE = 8/7/2015	CHECKED - JNR	REVISD -
	DATE - 8/10/2015	REVISD -

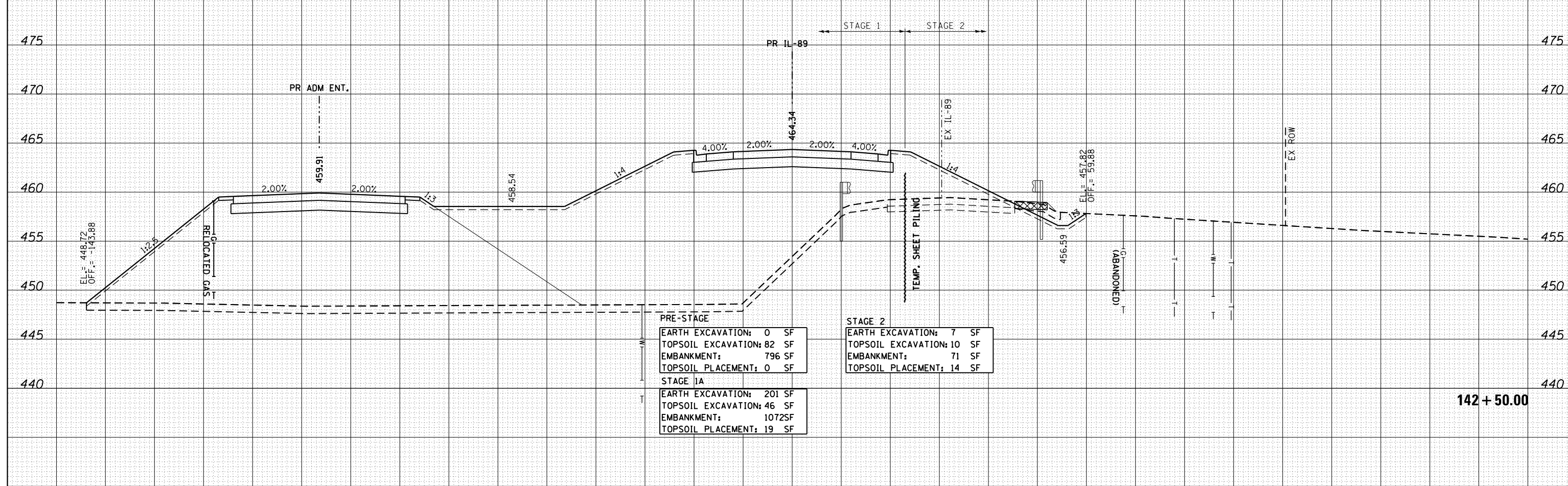
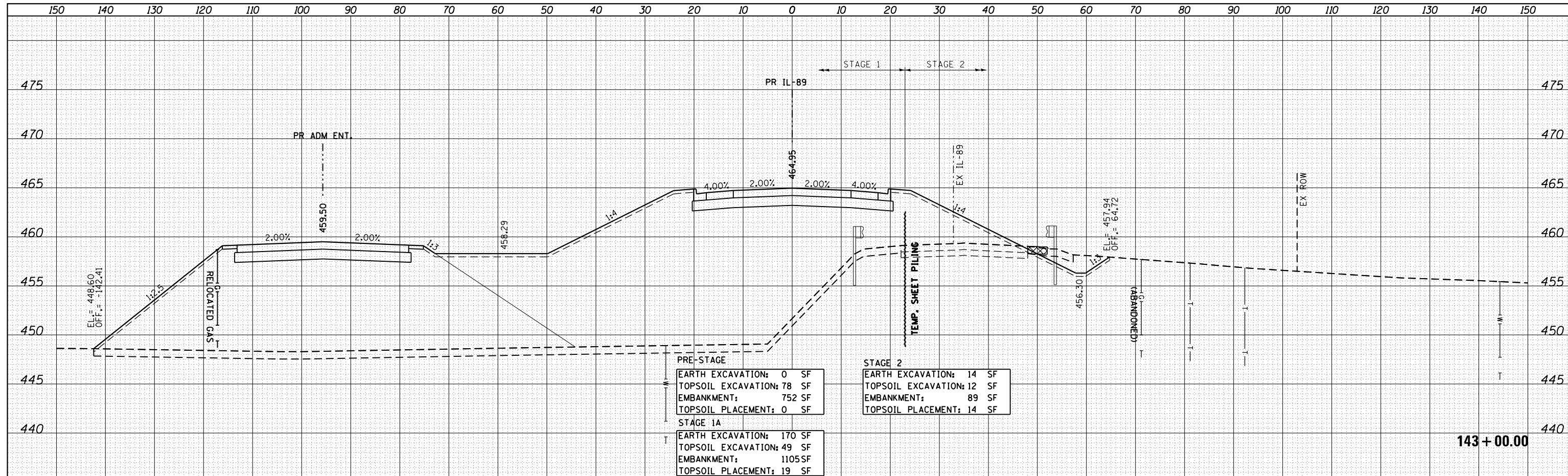
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS IL 89			
SCALE:	SHEET	OF SHEETS	STA. 141+50.00 TO STA. 142+00.00

F.A. RTE. 698	SECTION 1 (BR)	COUNTY PUTNAM/BUREAU	TOTAL SHEETS 415	SHEET NO. 352
CONTRACT NO. 66A69				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = ...Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISD -
	DRAWN - TMB	REVISD -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISD -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

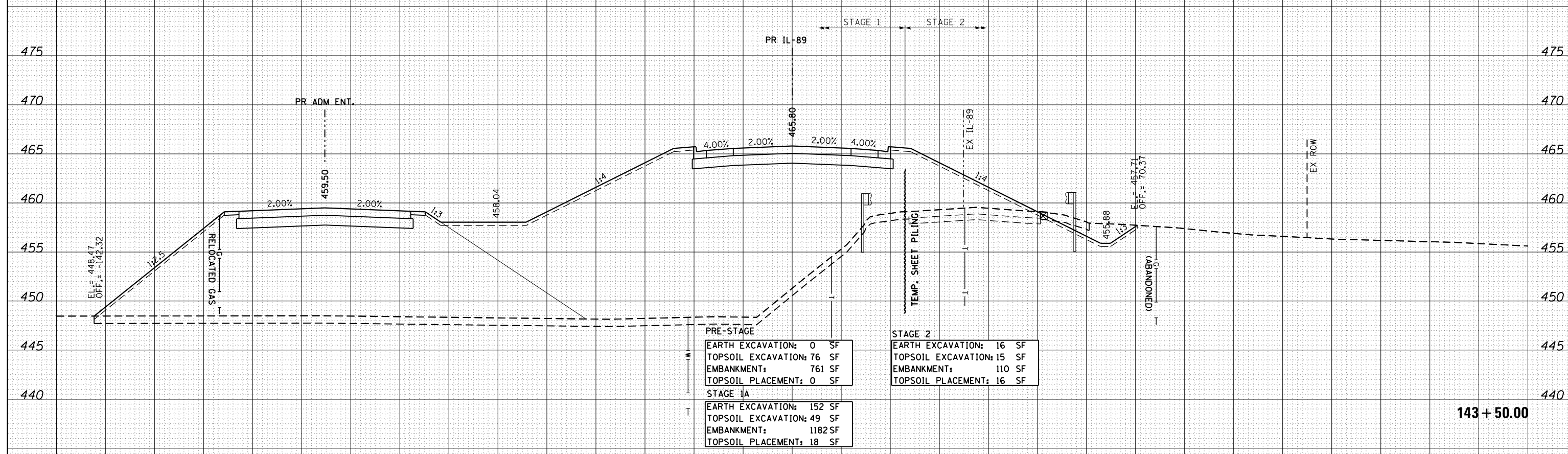
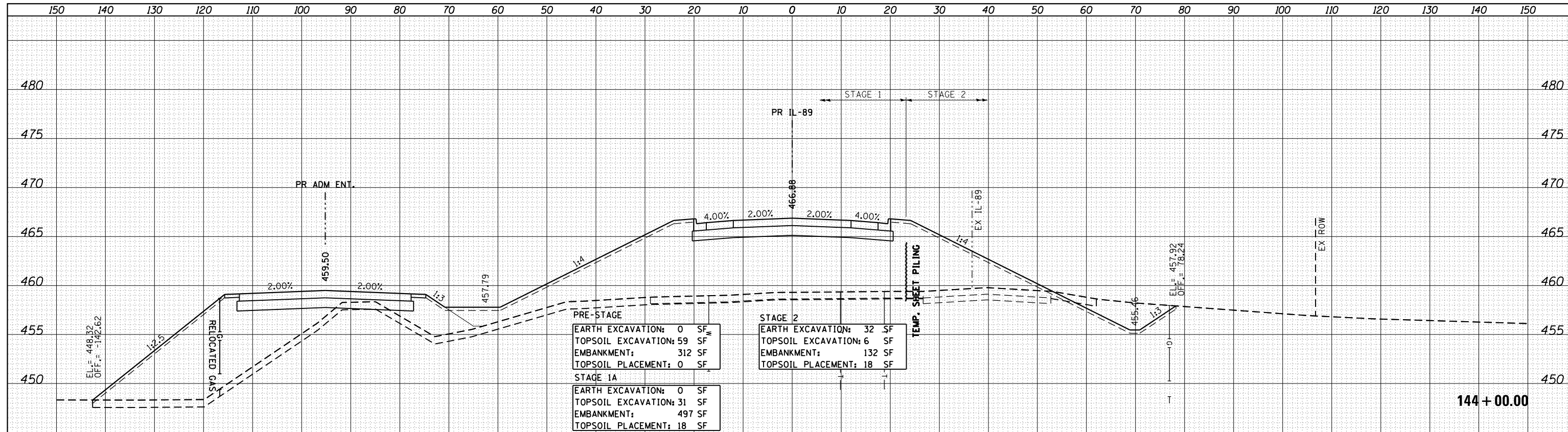
**CROSS SECTIONS
IL 89**

SCALE: SHEET OF SHEETS STA. 142+50.00 TO STA. 143+00.00

F.A. RTE. 698	SECTION 1 (BR)	COUNTY PUTNAM/BUREAU	TOTAL SHEETS 415	SHEET NO. 353
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

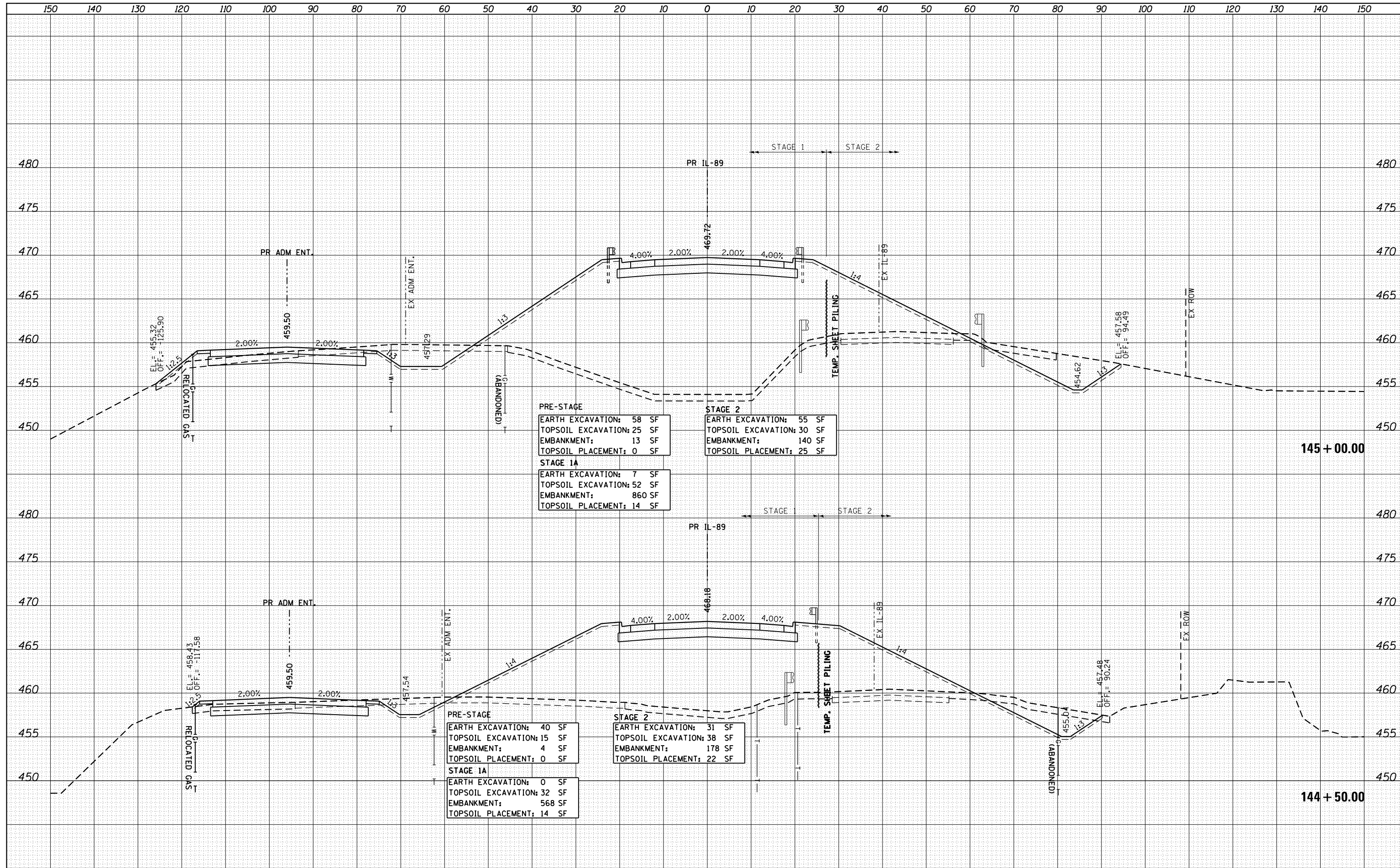
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



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

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



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -

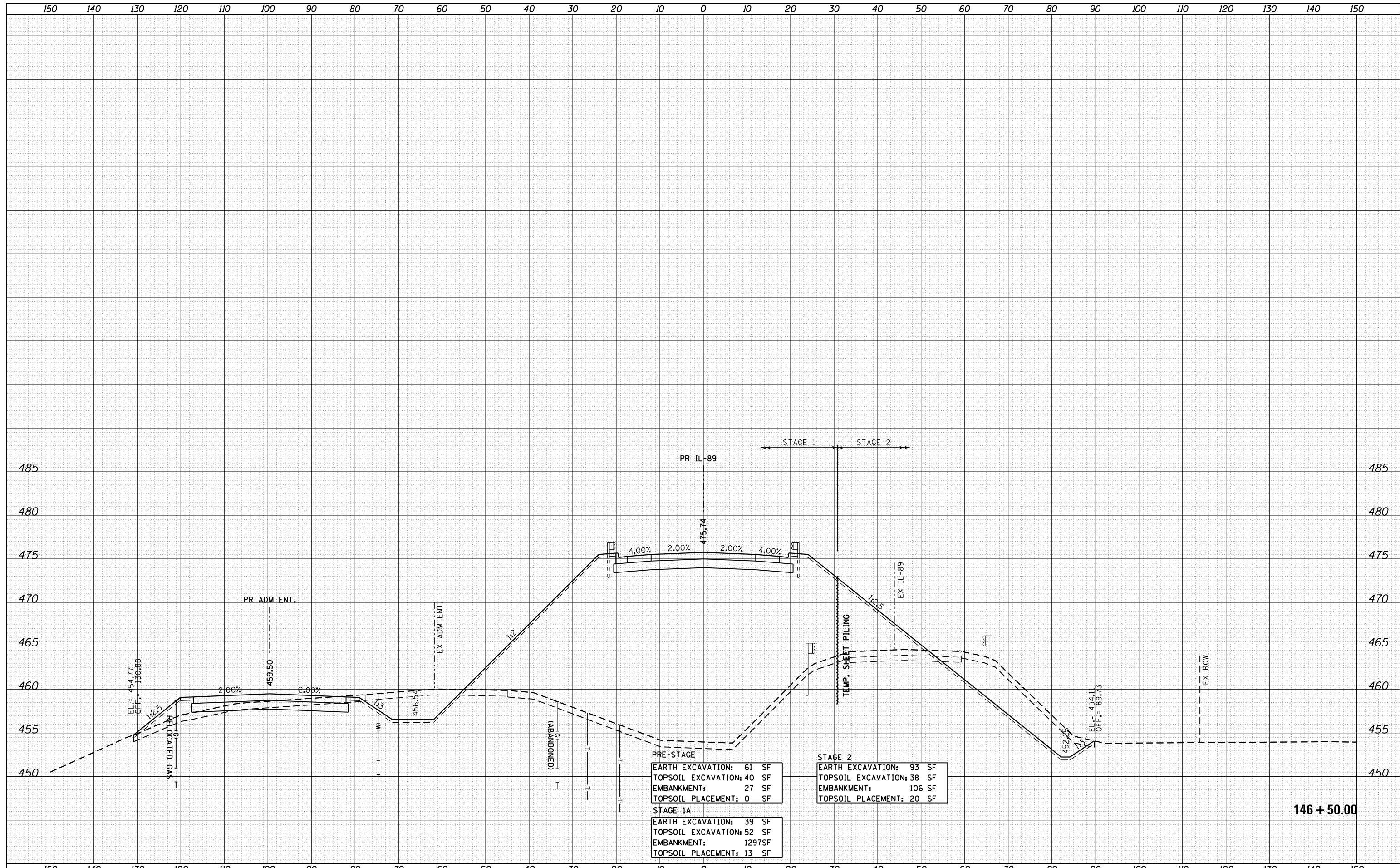
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 144+50.00 TO STA. 145+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	355
				CONTRACT NO. 66A69
ILLINOIS FED. AID PROJECT				

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

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

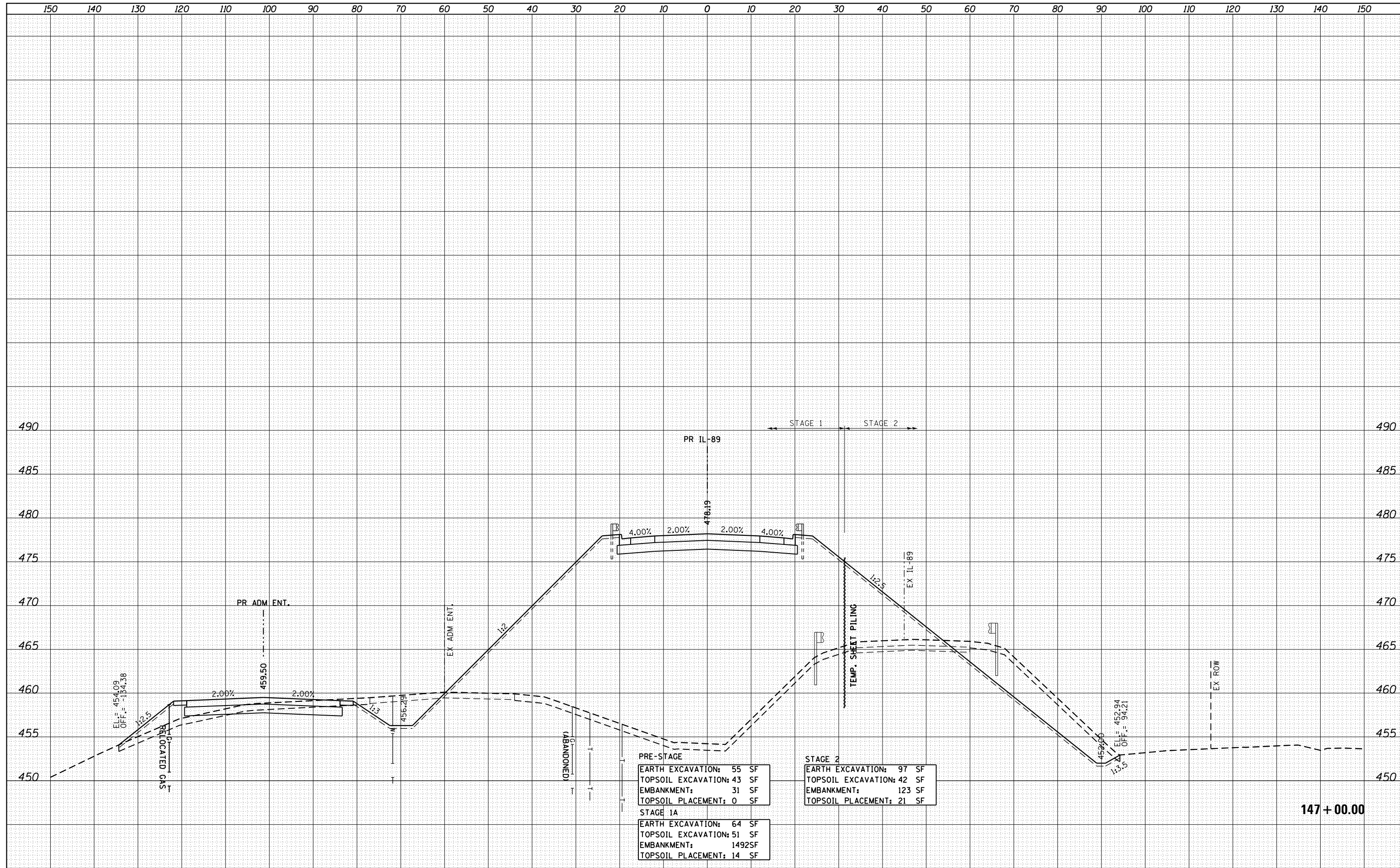


PRE-STAGE	EARTH EXCAVATION: 61 SF
	TOPSOIL EXCAVATION: 40 SF
	EMBANKMENT: 27 SF
	TOPSOIL PLACEMENT: 0 SF
STAGE 1A	EARTH EXCAVATION: 39 SF
	TOPSOIL EXCAVATION: 52 SF
	EMBANKMENT: 1297SF
	TOPSOIL PLACEMENT: 13 SF
STAGE 2	EARTH EXCAVATION: 93 SF
	TOPSOIL EXCAVATION: 38 SF
	EMBANKMENT: 106 SF
	TOPSOIL PLACEMENT: 20 SF

146 + 50.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



147 + 00.00

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISD -
	DRAWN - TMB	REVISD -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISD -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

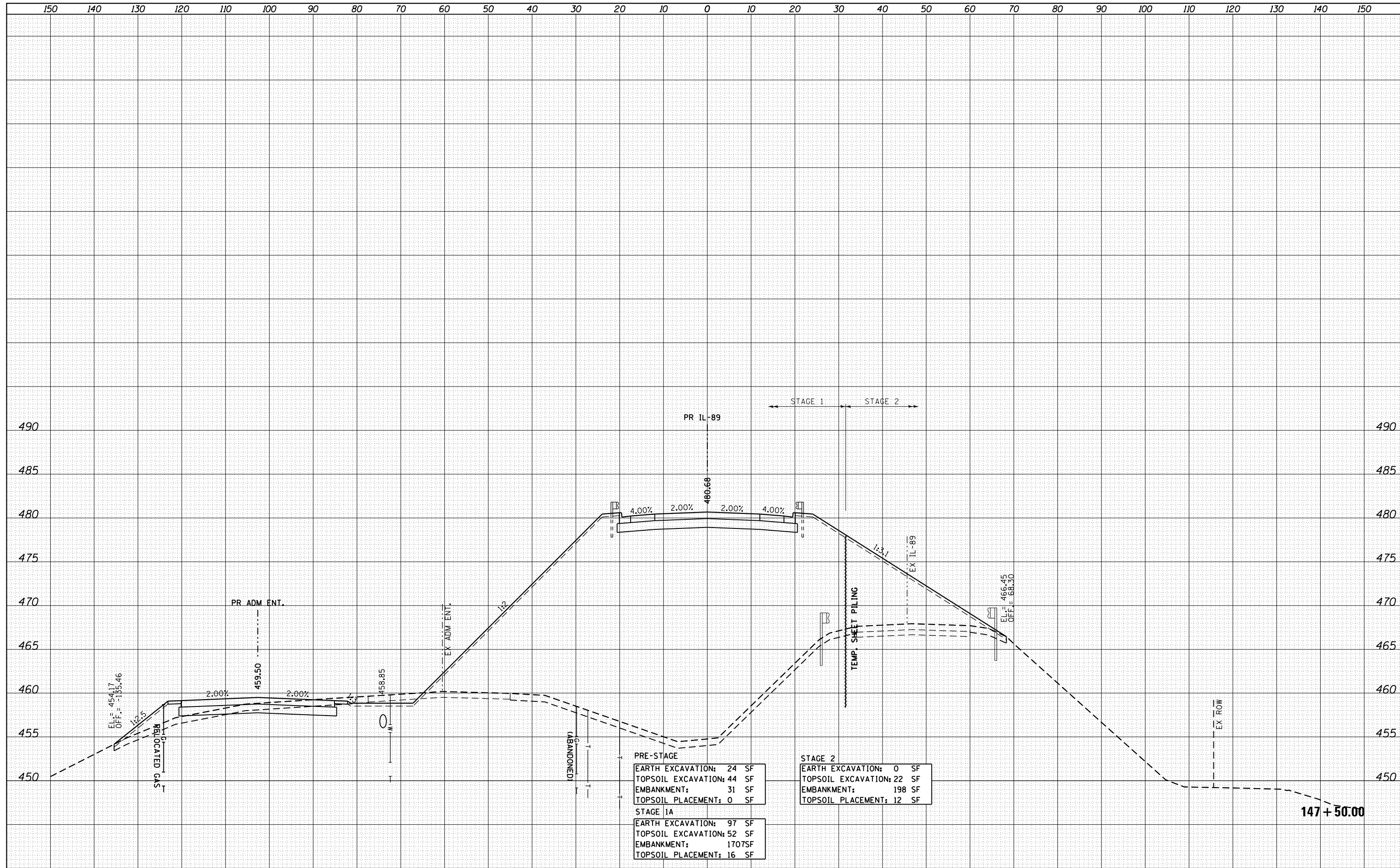
**CROSS SECTIONS
IL 89**

SCALE: SHEET OF SHEETS STA. 147+00.00 TO STA. 147+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	358
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISD -
	DRAWN - TMB	REVISD -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISD -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISD -

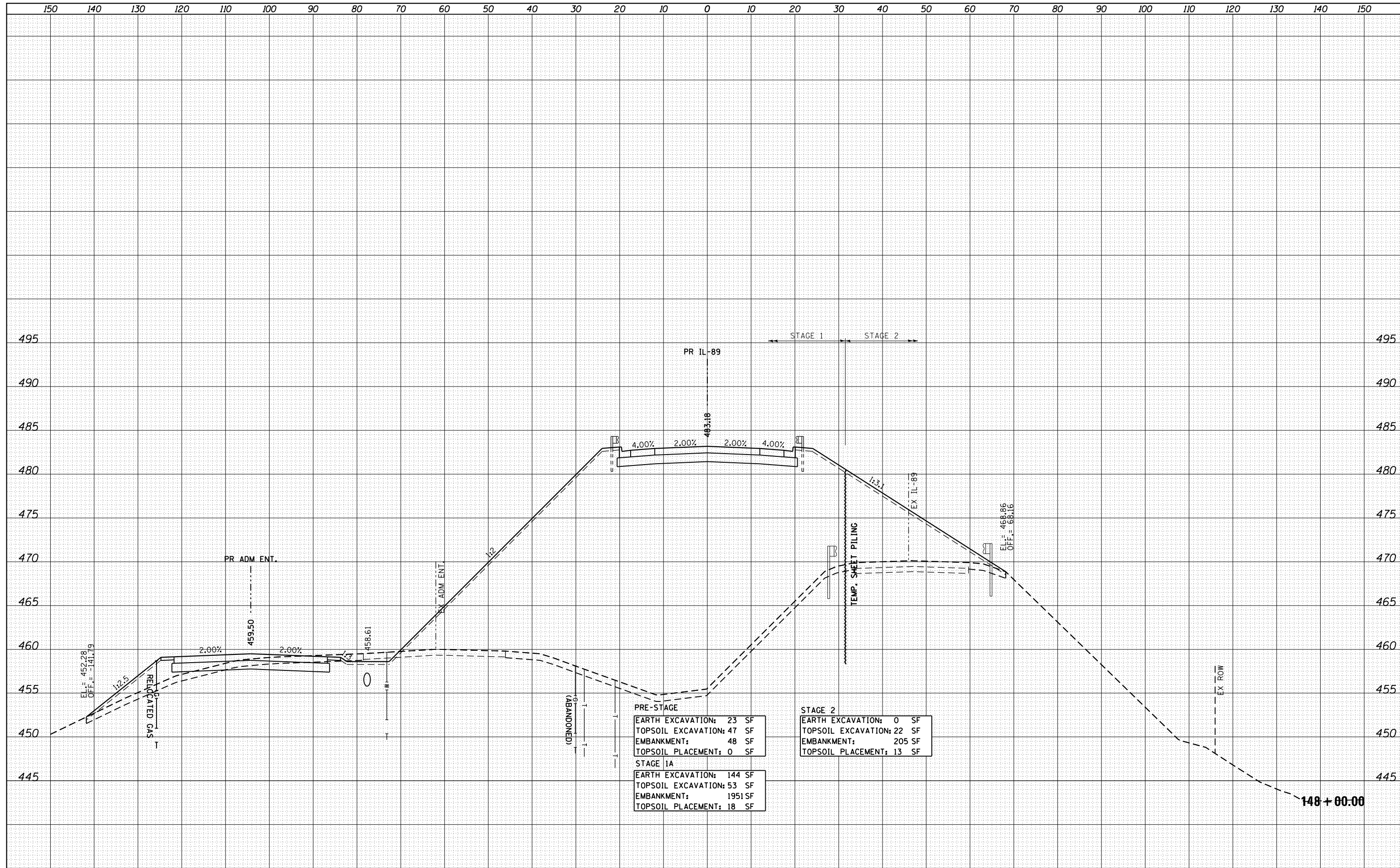
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 147+50.00 TO STA. 147+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	359
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

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



PRE-STAGE	
EARTH EXCAVATION:	23 SF
TOPSOIL EXCAVATION:	47 SF
EMBANKMENT:	48 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1A	
EARTH EXCAVATION:	144 SF
TOPSOIL EXCAVATION:	53 SF
EMBANKMENT:	1951 SF
TOPSOIL PLACEMENT:	18 SF

STAGE 2	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	22 SF
EMBANKMENT:	205 SF
TOPSOIL PLACEMENT:	13 SF

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson
 PLOT SCALE = 1:10 H, 1:5 V
 PLOT DATE = 8/7/2015

DESIGNED - RJP
 DRAWN - TMB
 CHECKED - JNR
 DATE - 8/10/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

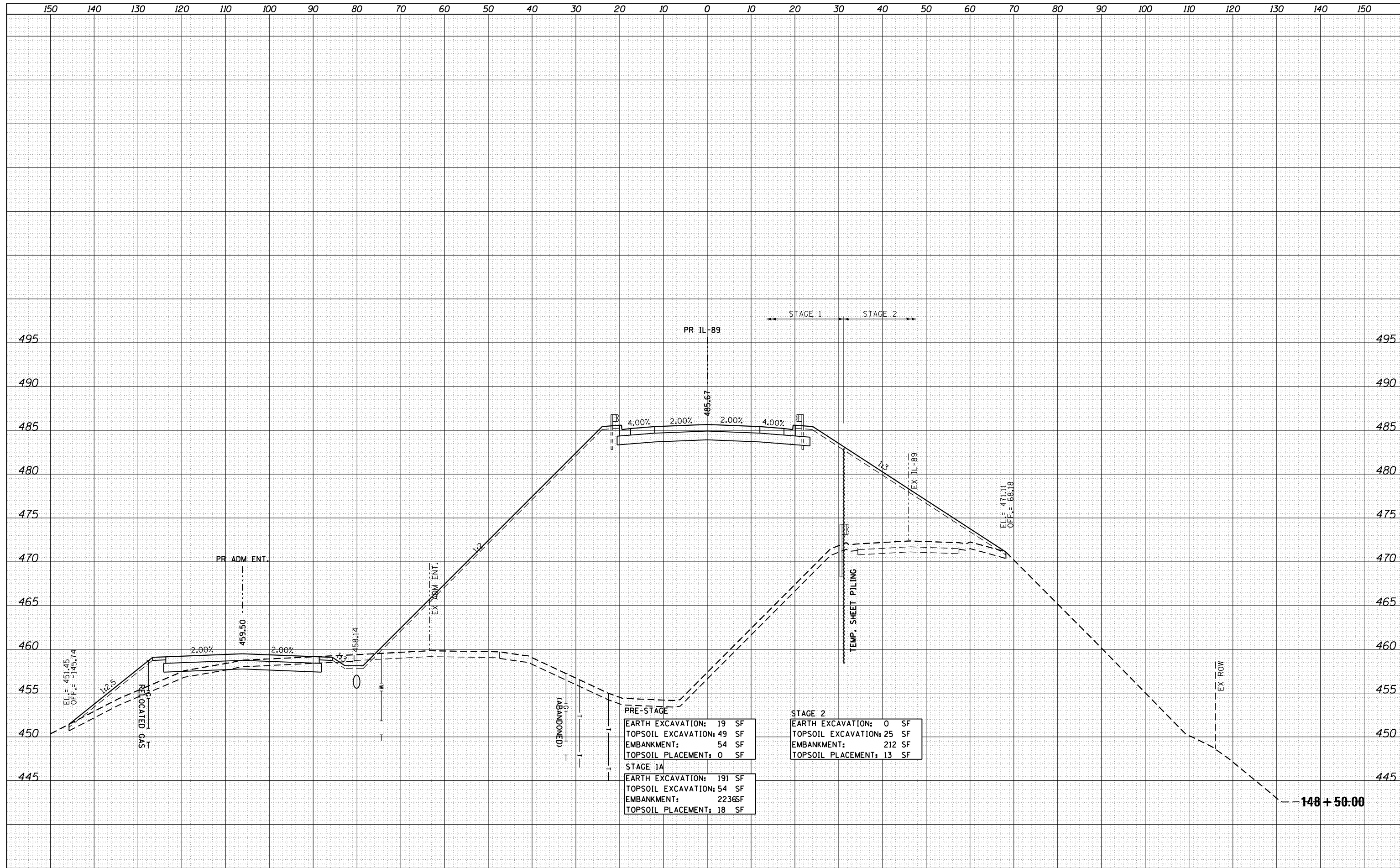
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL 89**
 SCALE: SHEET OF SHEETS STA. 148+00.00 TO STA. 148+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	360
			CONTRACT NO. 66A69	
ILLINOIS FED. AID PROJECT				

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

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



PRE-STAGE	STAGE 2
EARTH EXCAVATION: 19 SF	EARTH EXCAVATION: 0 SF
TOPSOIL EXCAVATION: 49 SF	TOPSOIL EXCAVATION: 25 SF
EMBANKMENT: 54 SF	EMBANKMENT: 212 SF
TOPSOIL PLACEMENT: 0 SF	TOPSOIL PLACEMENT: 13 SF
STAGE 1A	
EARTH EXCAVATION: 191 SF	
TOPSOIL EXCAVATION: 54 SF	
EMBANKMENT: 2236 SF	
TOPSOIL PLACEMENT: 18 SF	

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISD -
PLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISD -
PLOT DATE = 8/7/2015	CHECKED - JNR	REVISD -
	DATE - 8/10/2015	REVISD -

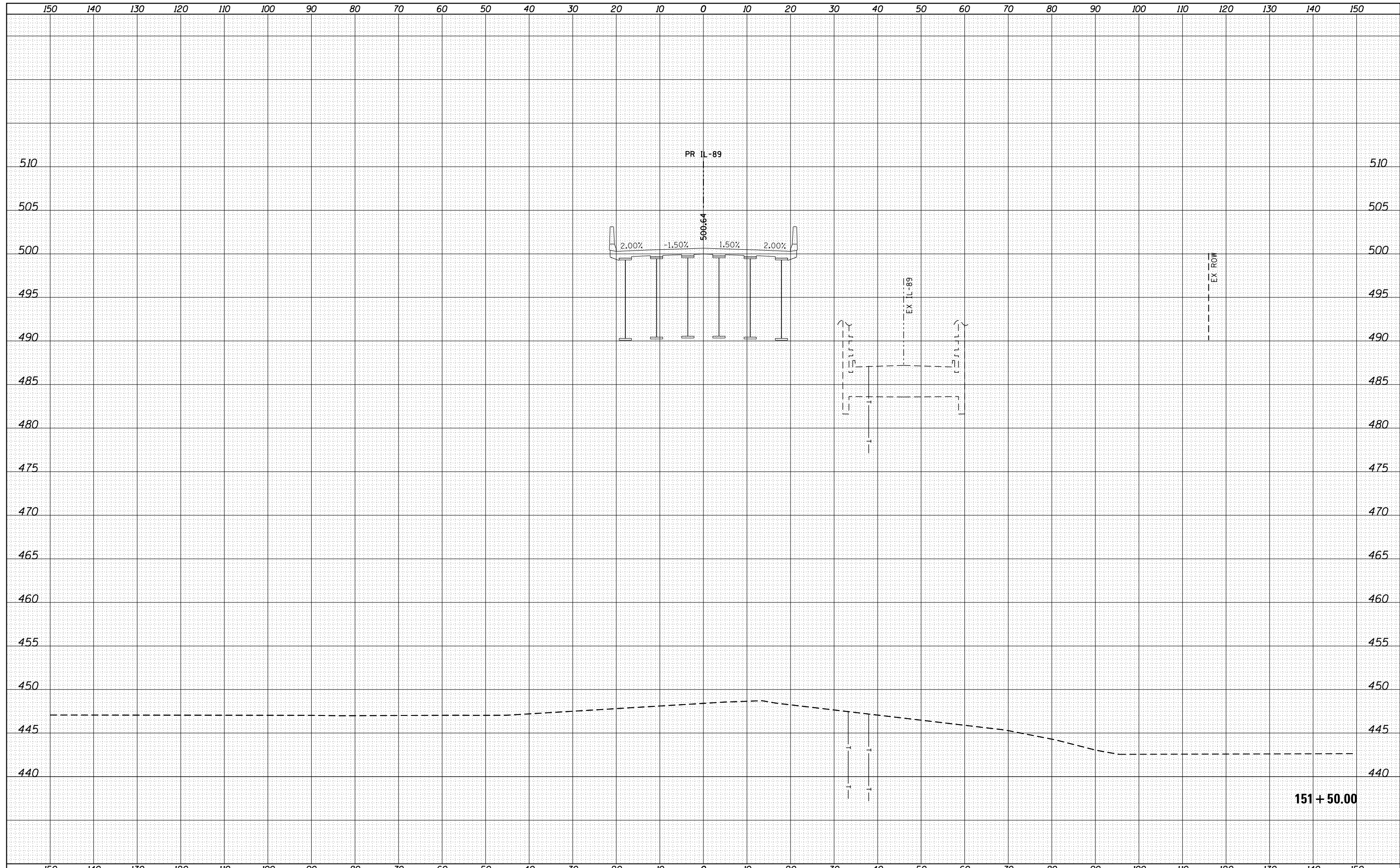
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 89**
 SCALE: SHEET OF SHEETS STA. 148+50.00 TO STA. 148+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	361
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

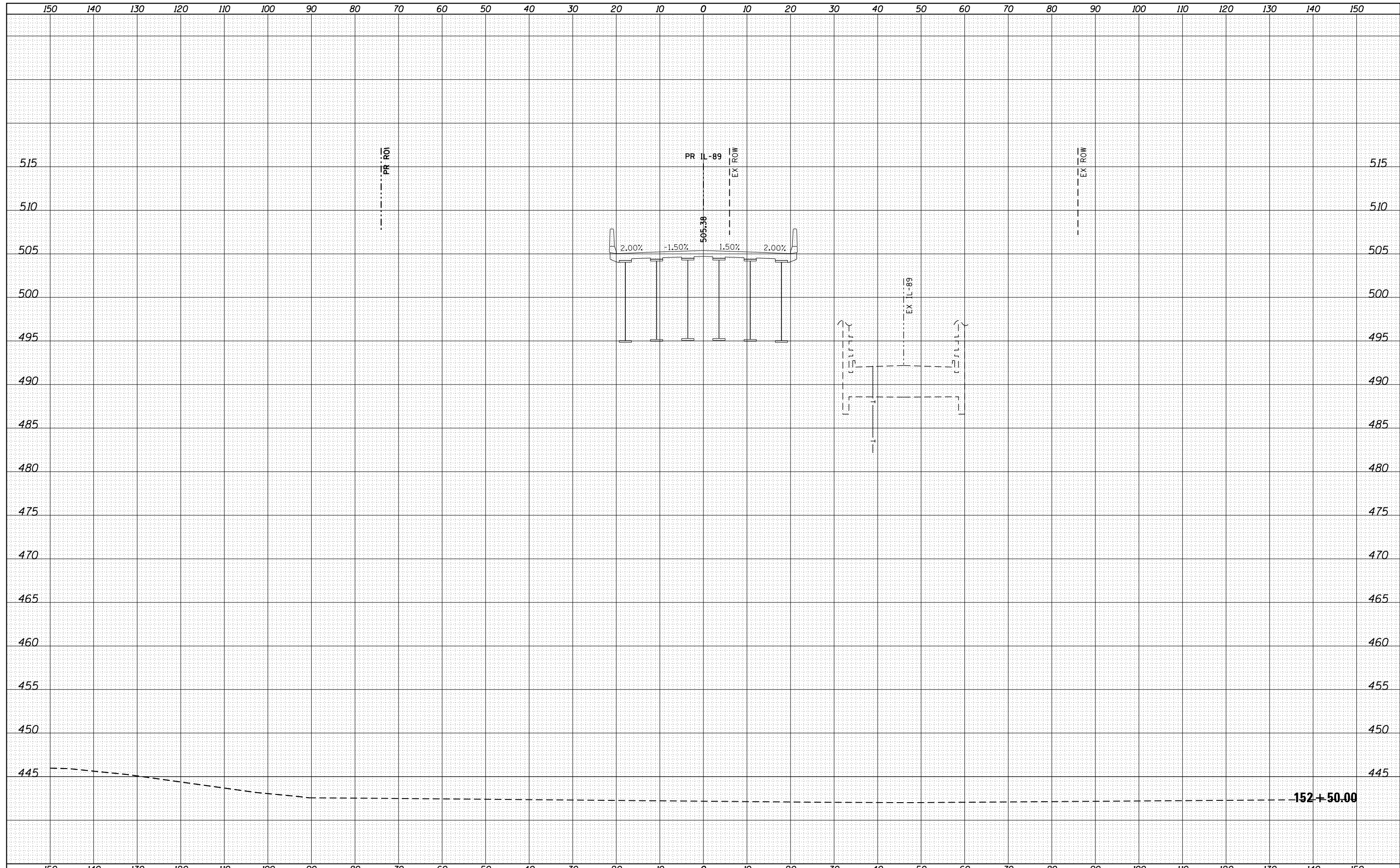
DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISÉ -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISÉ -		698	1 (BR)	PUTNAM/BUREAU	415	367				
MODELNAME	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISÉ -		SCALE: SHEET OF SHEETS STA. 151+50.00 TO STA. 151+50.00				CONTRACT NO. 66A69				
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISÉ -		ILLINOIS FED. AID PROJECT								

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

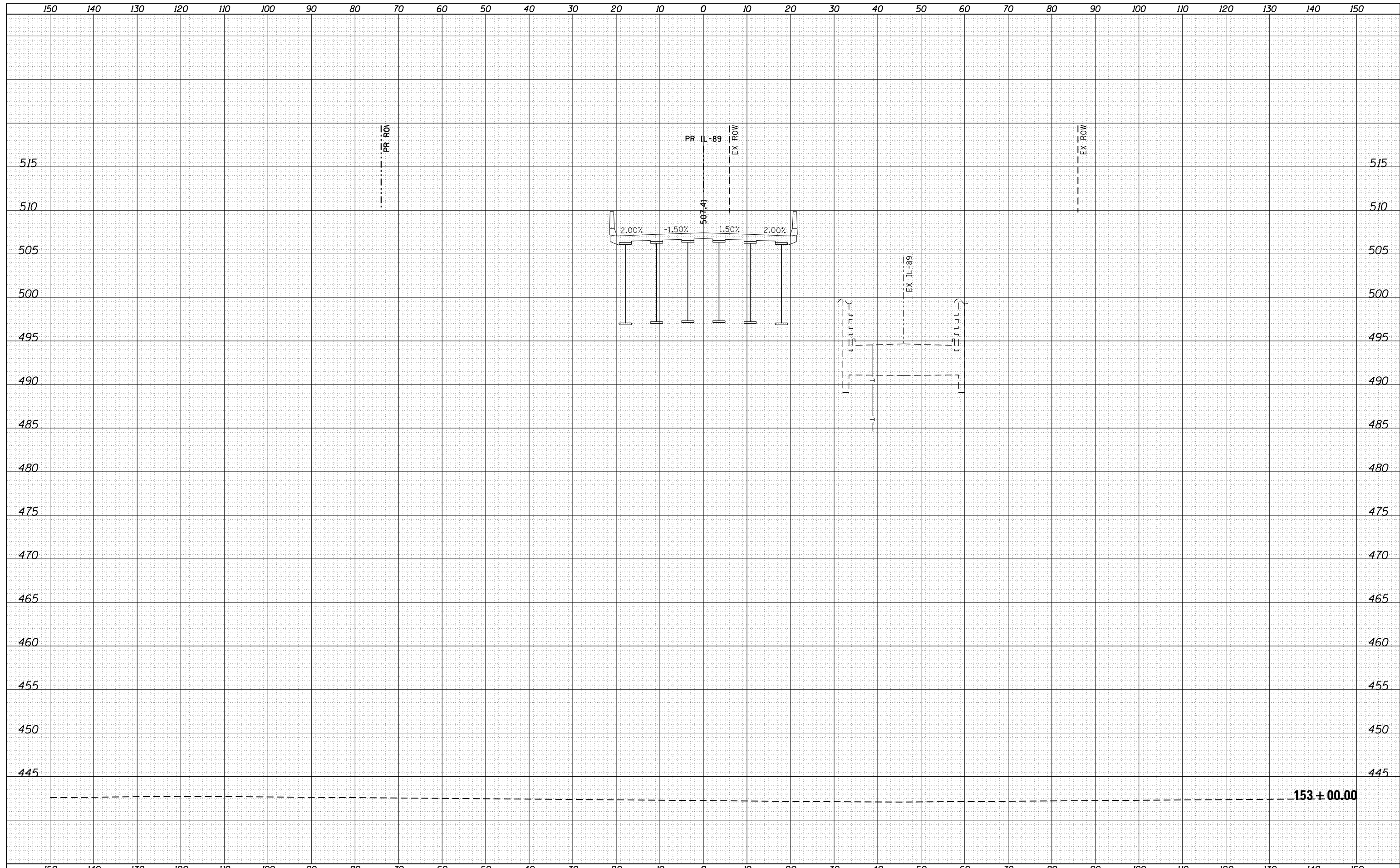
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -		698	1 (BR)	PUTNAM/BUREAU	415	369				
MODELNAME	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -		SCALE: SHEET OF SHEETS STA. 152+50.00 TO STA. 152+50.00				CONTRACT NO. 66A69				
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -		ILLINOIS FED. AID PROJECT								

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

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



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn

USER NAME = swikinson	DESIGNED - RJP	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

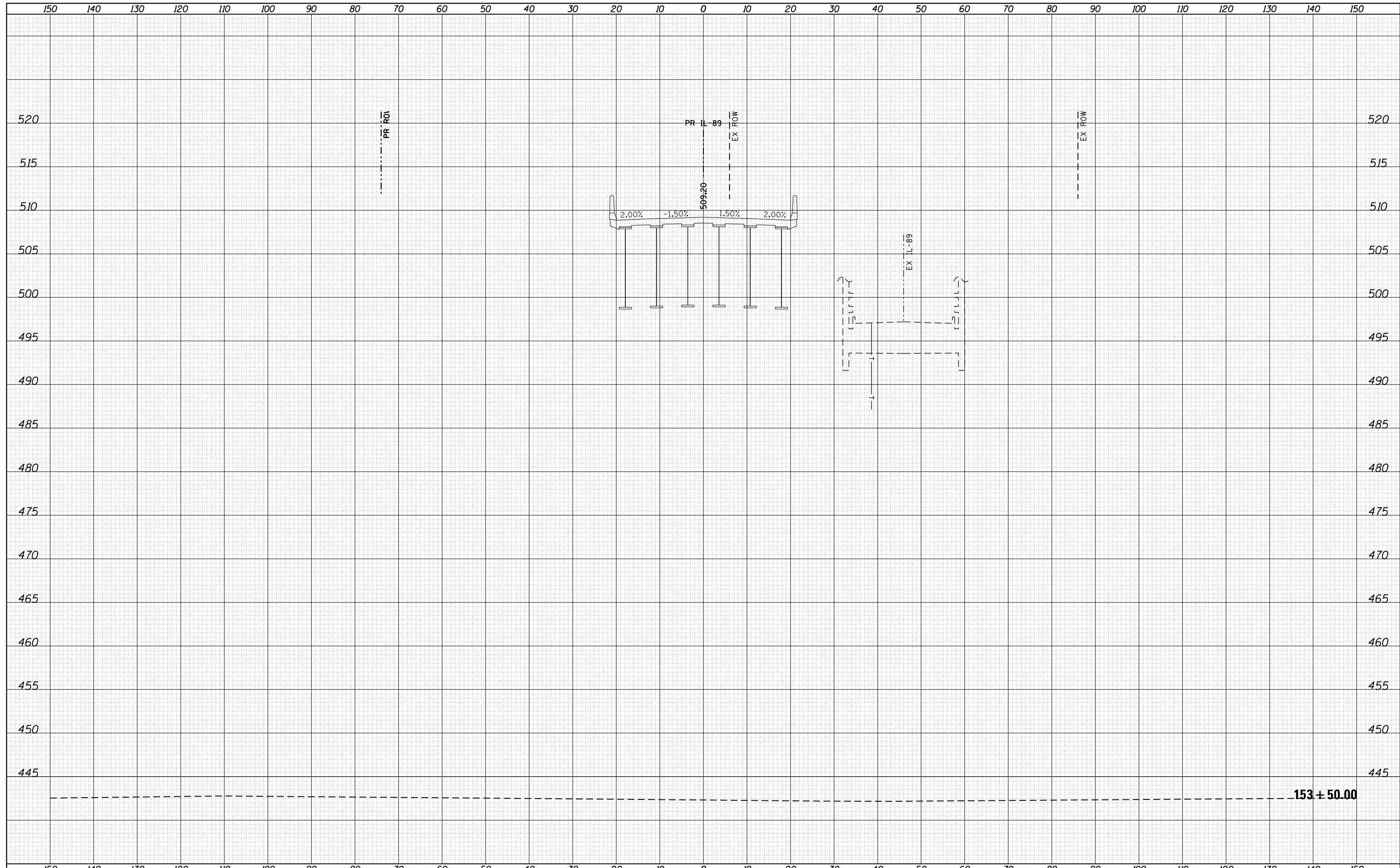
**CROSS SECTIONS
IL 89**

SCALE: SHEET OF SHEETS STA. 153+00.00 TO STA. 153+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	370
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

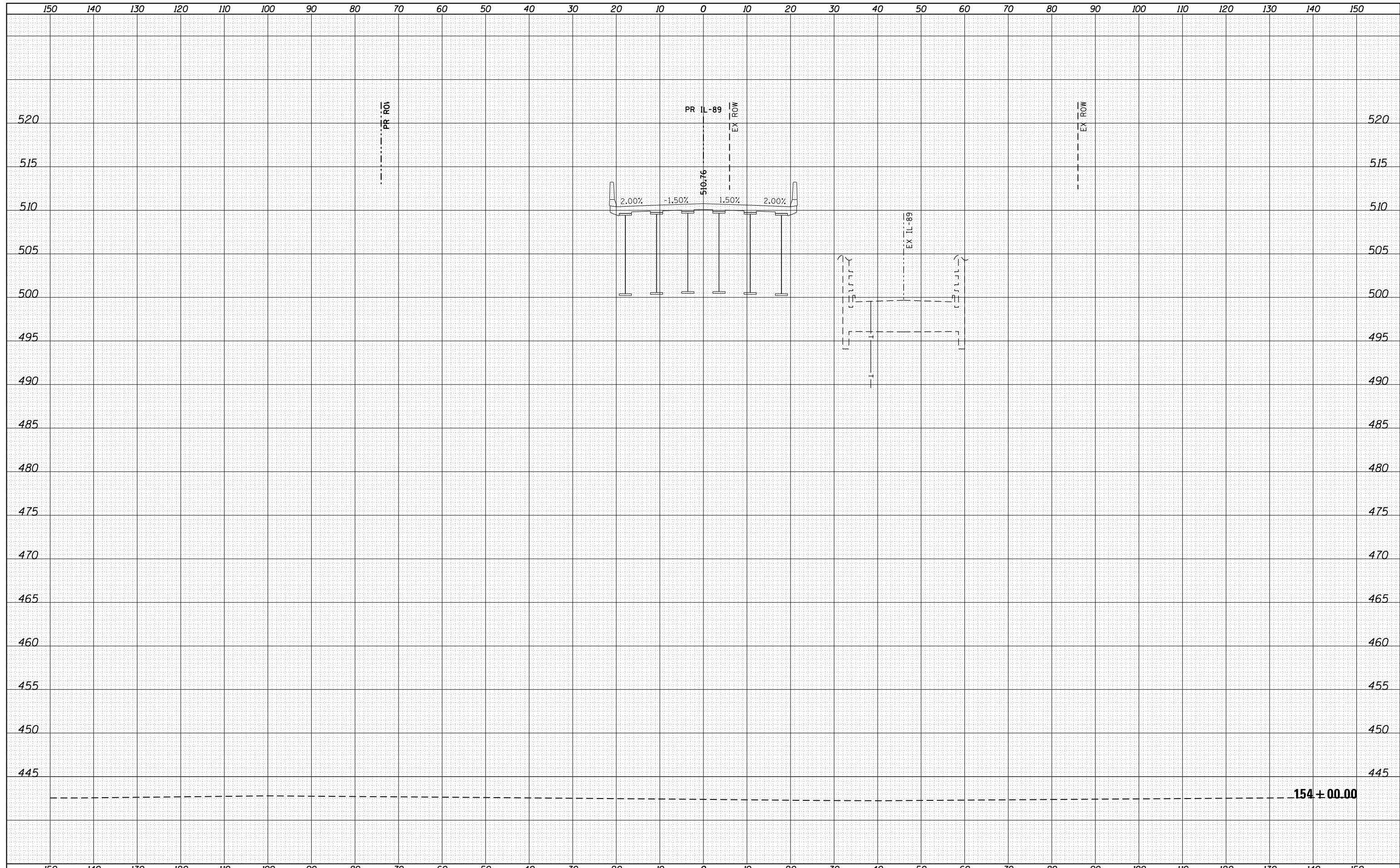
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS IL 89</p> <p>SCALE: SHEET OF SHEETS STA. 153+50.00 TO STA. 153+50.00</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISIED -		698	1 (BR)	PUTNAM/BUREAU	415	371
MODELNAME		CHECKED - JNR	REVISIED -		CONTRACT NO. 66A69				
		DATE - 8/10/2015	REVISIED -		ILLINOIS FED. AID PROJECT				

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

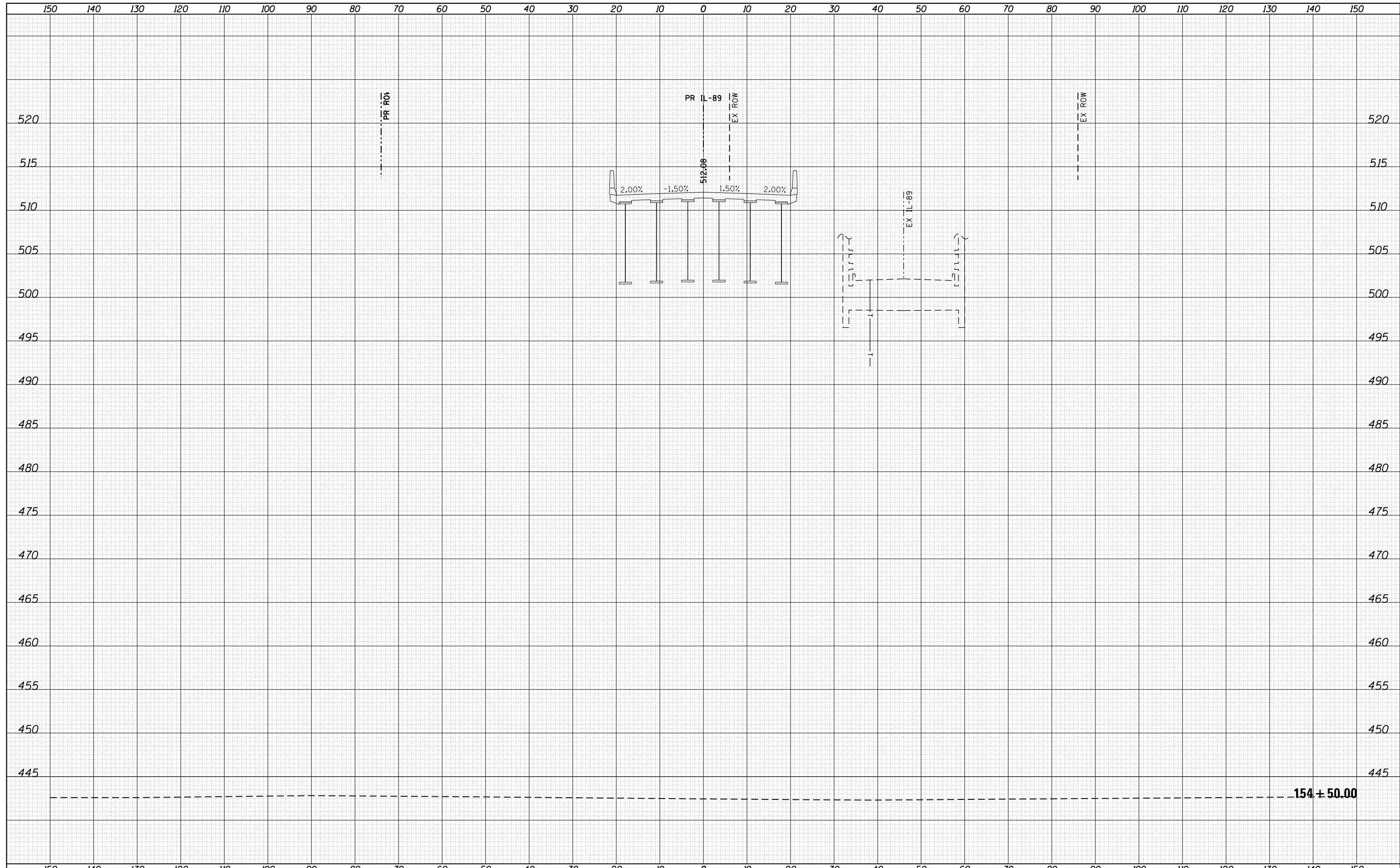
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -		698	1 (BR)	PUTNAM/BUREAU	415	372				
MODELNAME		CHECKED - JNR	REVISED -		SCALE: SHEET OF SHEETS STA. 154+00.00 TO STA. 154+00.00				CONTRACT NO. 66A69				
		DATE - 8/10/2015	REVISED -						ILLINOIS FED. AID PROJECT				

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

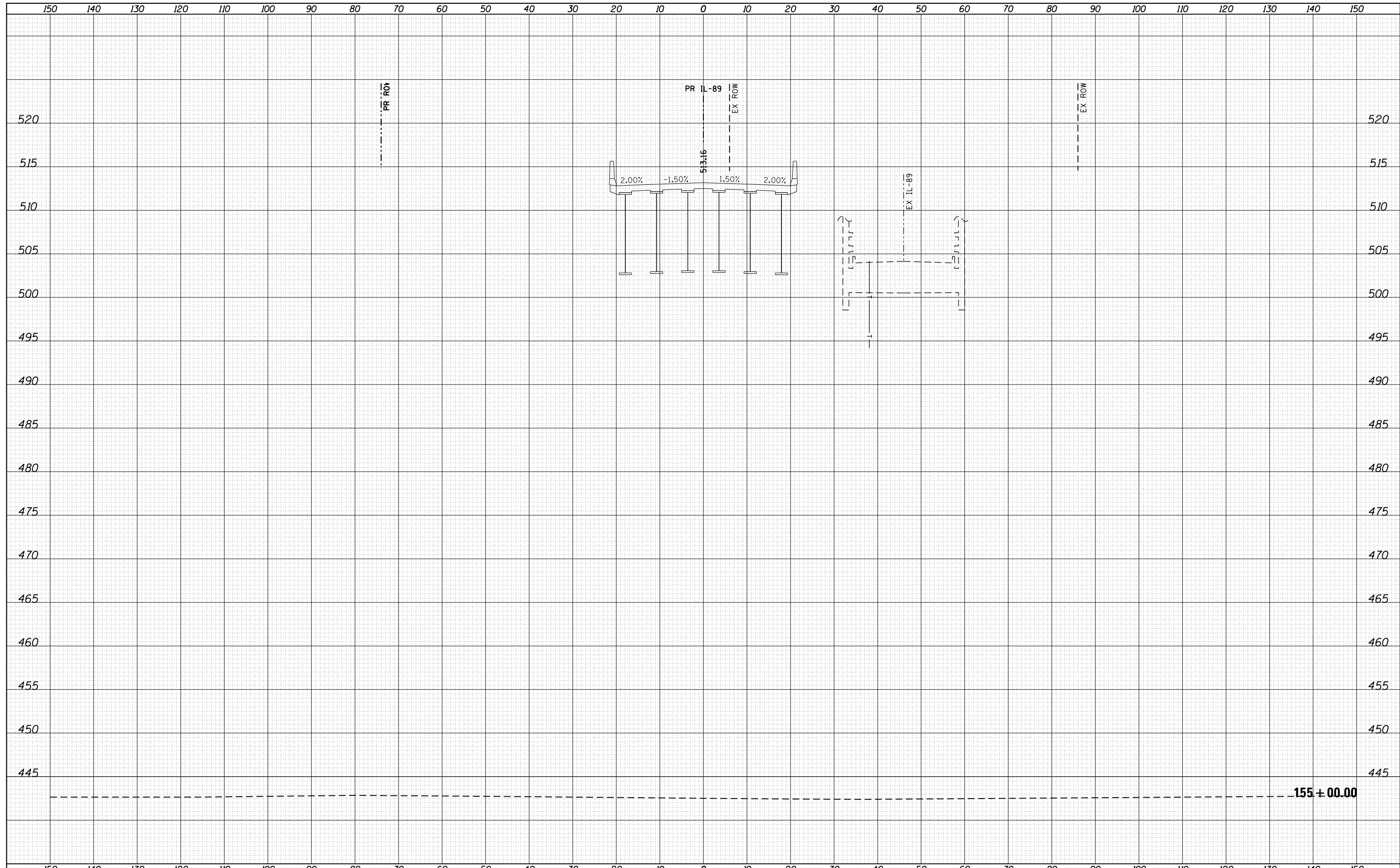
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -						698	1 (BR)	PUTNAM/BUREAU	415	373
MODELNAME		CHECKED - JNR	REVISED -		SCALE: SHEET OF SHEETS STA. 154+50.00 TO STA. 154+50.00				CONTRACT NO. 66A69				
		DATE - 8/10/2015	REVISED -						ILLINOIS FED. AID PROJECT				

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

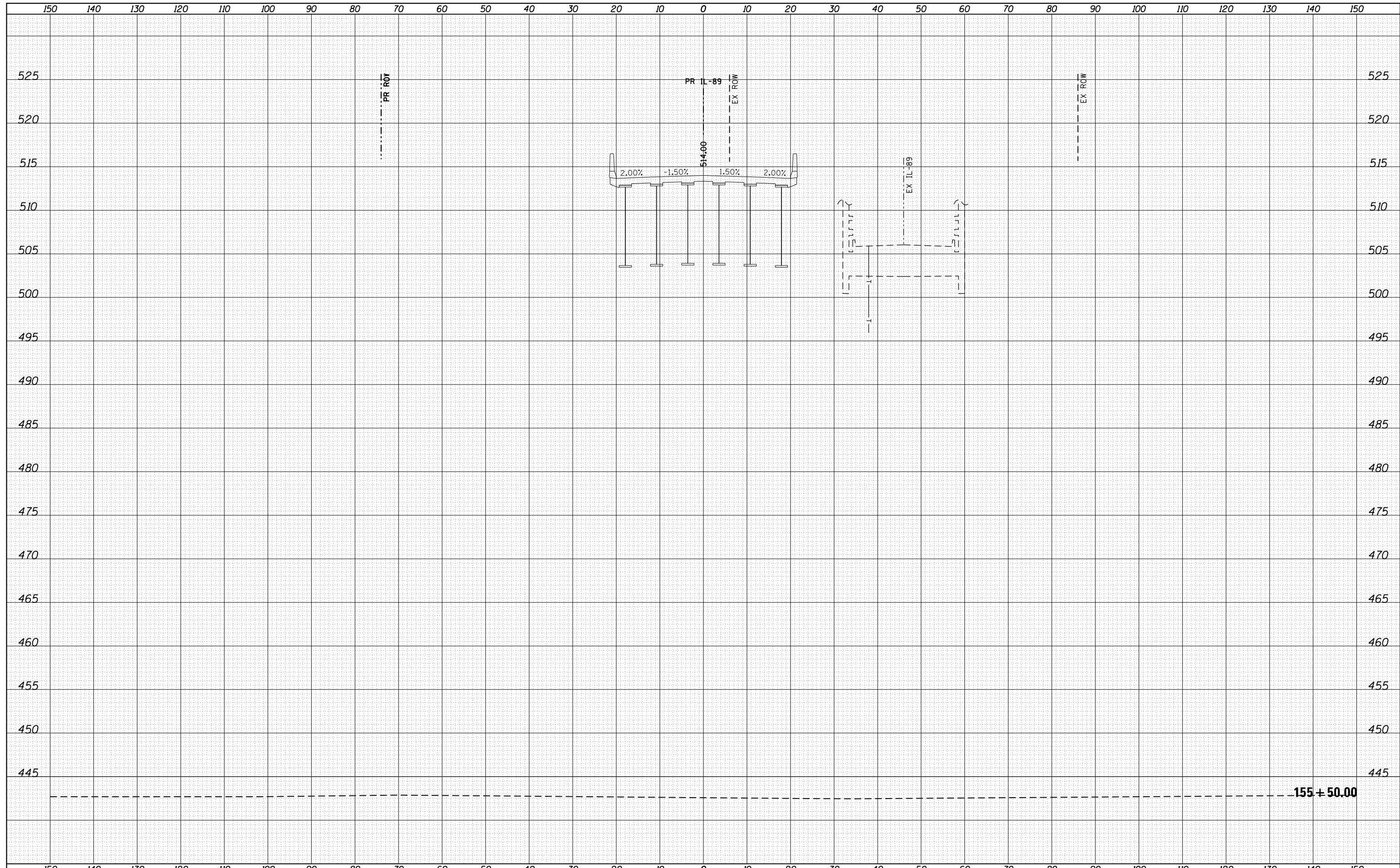
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE. 698	SECTION 1 (BR)	COUNTY PUTNAM/BUREAU	TOTAL SHEETS 415	SHEET NO. 374
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 155+00.00	TO STA. 155+00.00	CONTRACT NO. 66A69		
\$MODELNAME\$		CHECKED - JNR	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE - 8/10/2015	REVISED -										

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

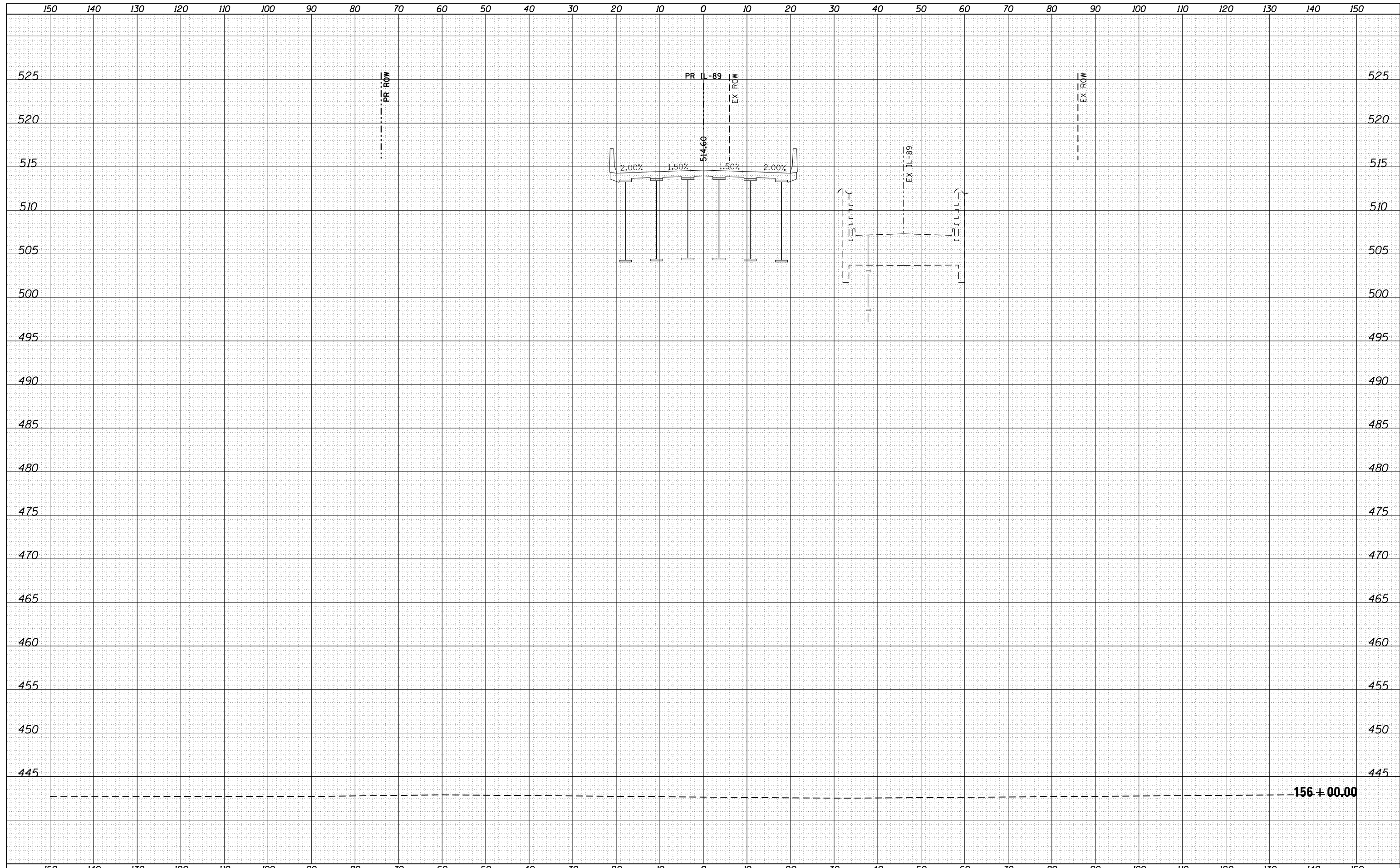
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISIED -		698	1 (BR)	PUTNAM/BUREAU	415	375				
MODELNAME		CHECKED - JNR	REVISIED -		SCALE: SHEET OF SHEETS STA. 155+50.00 TO STA. 155+50.00				CONTRACT NO. 66A69				
		DATE - 8/10/2015	REVISIED -						ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

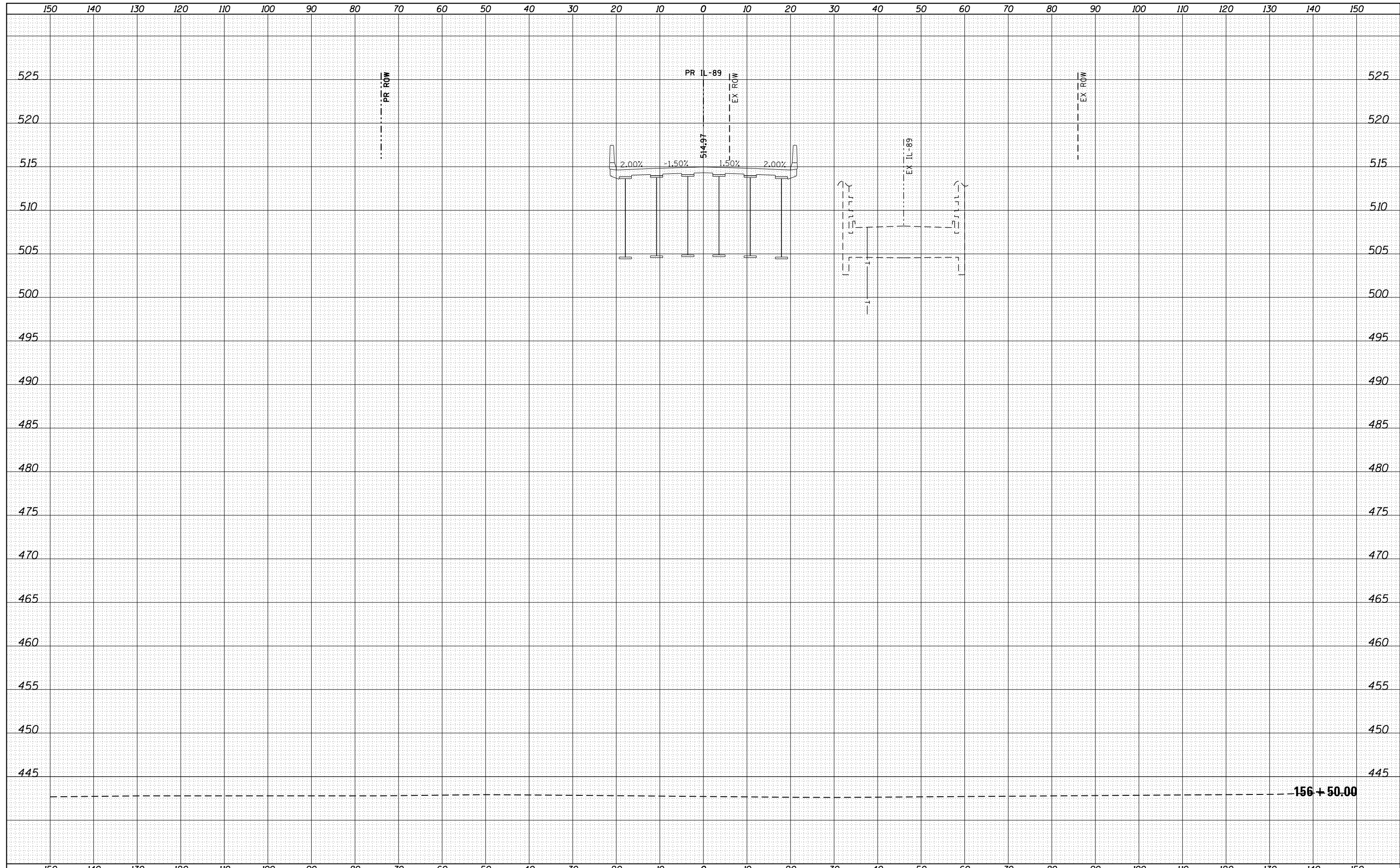
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -		698	1 (BR)	PUTNAM/BUREAU	415	376				
MODELNAME		CHECKED - JNR	REVISED -		SCALE: SHEET OF SHEETS STA. 156+00.00 TO STA. 156+00.00				CONTRACT NO. 66A69				
		DATE - 8/10/2015	REVISED -						ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -

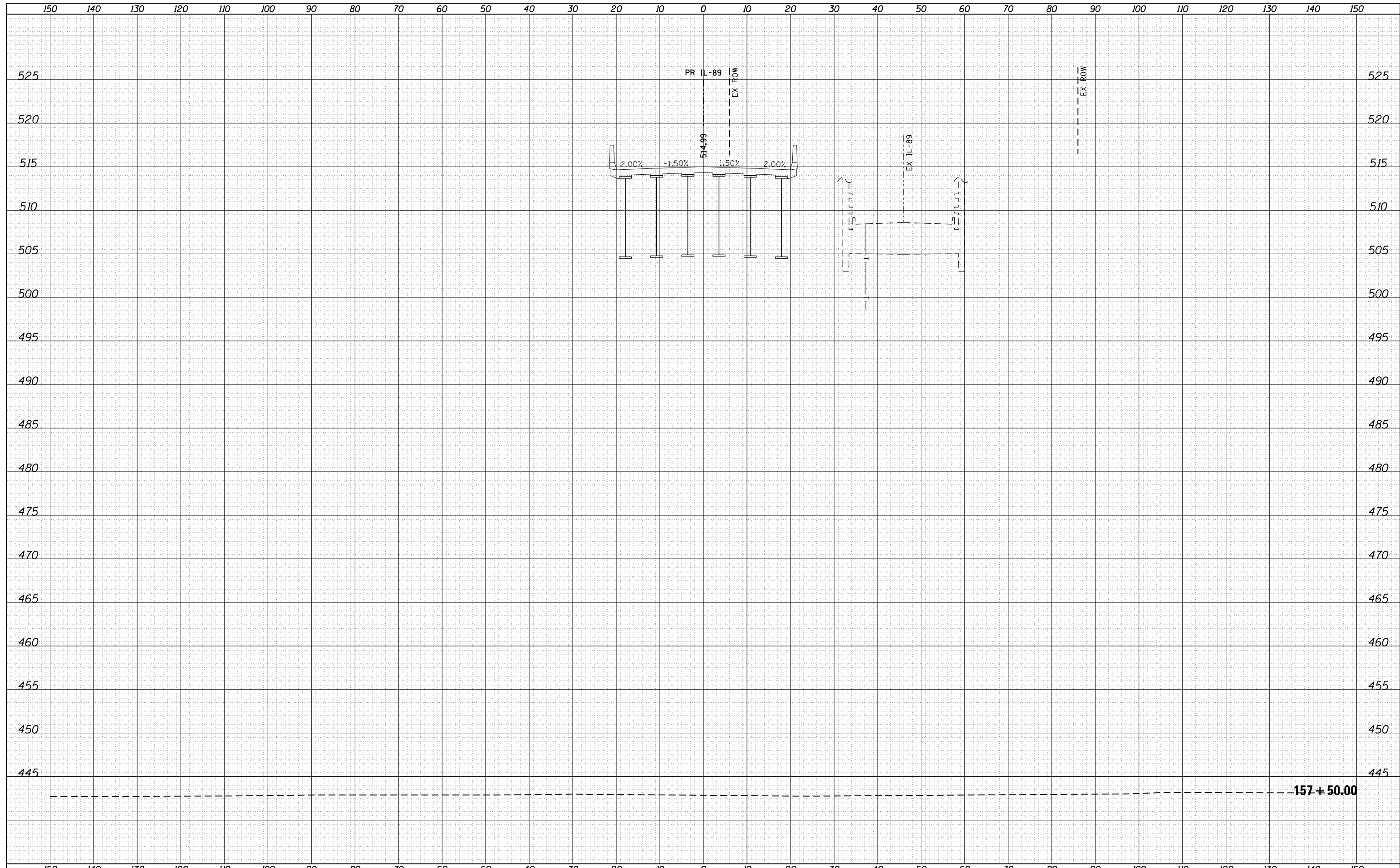
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 156+50.00 TO STA. 156+50.00

F.A. RTE. 698	SECTION 1 (BR)	COUNTY PUTNAM/BUREAU	TOTAL SHEETS 415	SHEET NO. 377
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

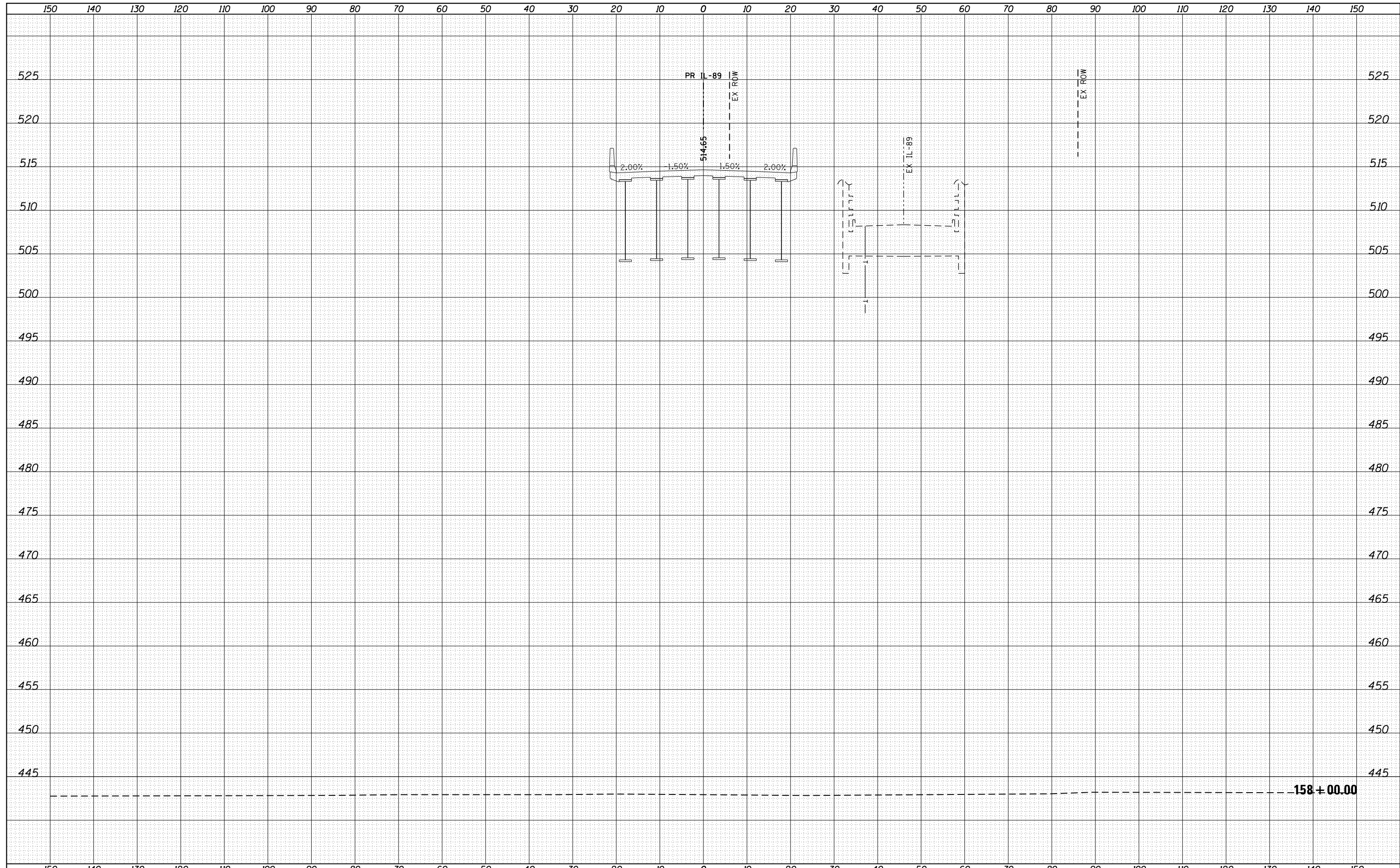
DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK	
TEMPLATE AREAS CHECKED	



FILE NAME = ...Bose\0366A69-xsc-IL89.dgn	USER NAME = swikinson	DESIGNED - RJP	REVISÉD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE. 698	SECTION 1 (BR)	COUNTY PUTNAM/BUREAU	TOTAL SHEETS 415	SHEET NO. 379
MODELNAME	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISÉD -		SCALE:	SHEET	OF	SHEETS	STA. 157+50.00	TO STA. 157+50.00	CONTRACT NO. 66A69		
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISÉD -		ILLINOIS FED. AID PROJECT								

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

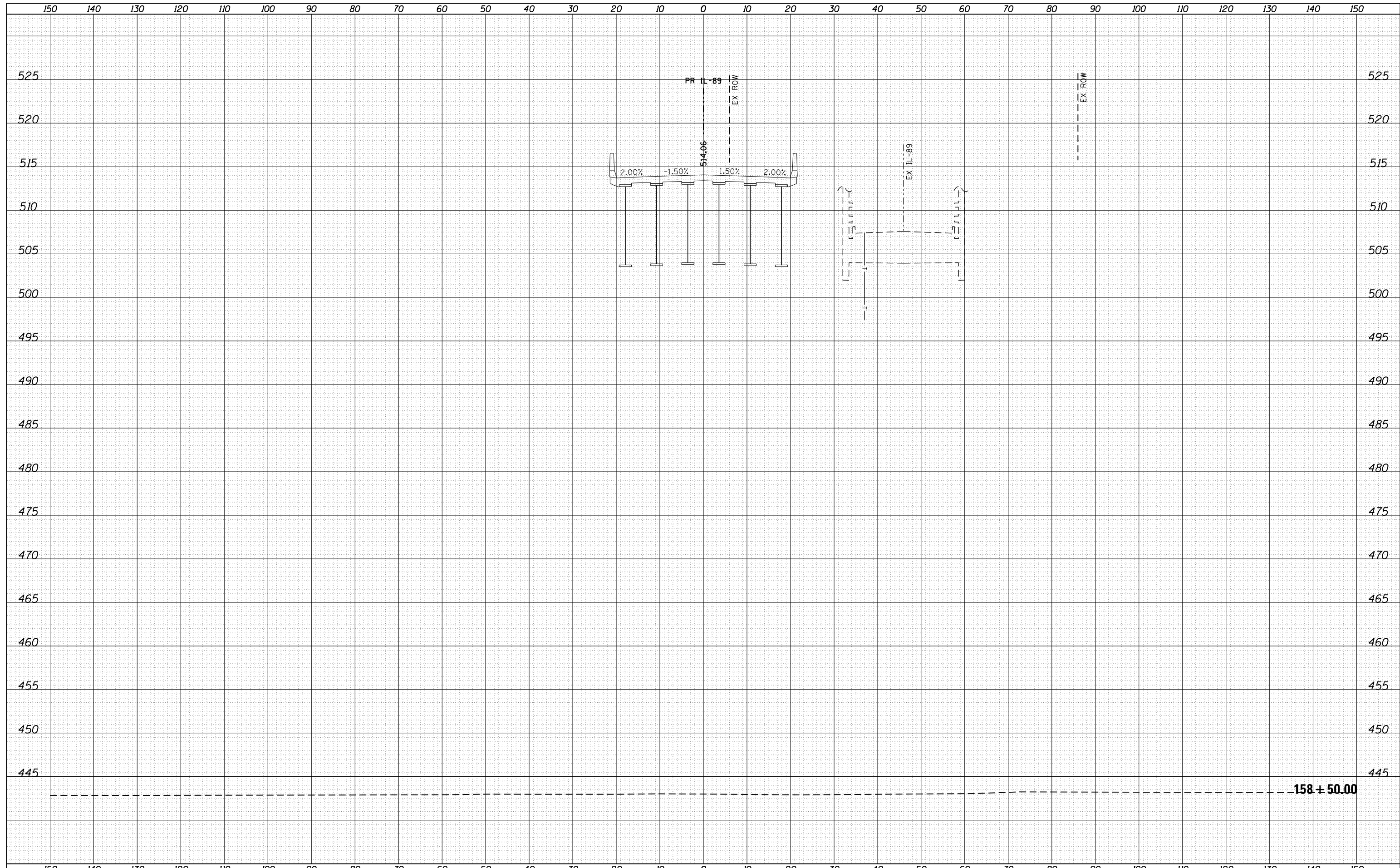
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -		698	1 (BR)	PUTNAM/BUREAU	415	380				
MODELNAME	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -		SCALE: SHEET OF SHEETS STA. 158+00.00 TO STA. 158+00.00				CONTRACT NO. 66A69				
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -		ILLINOIS FED. AID PROJECT								

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

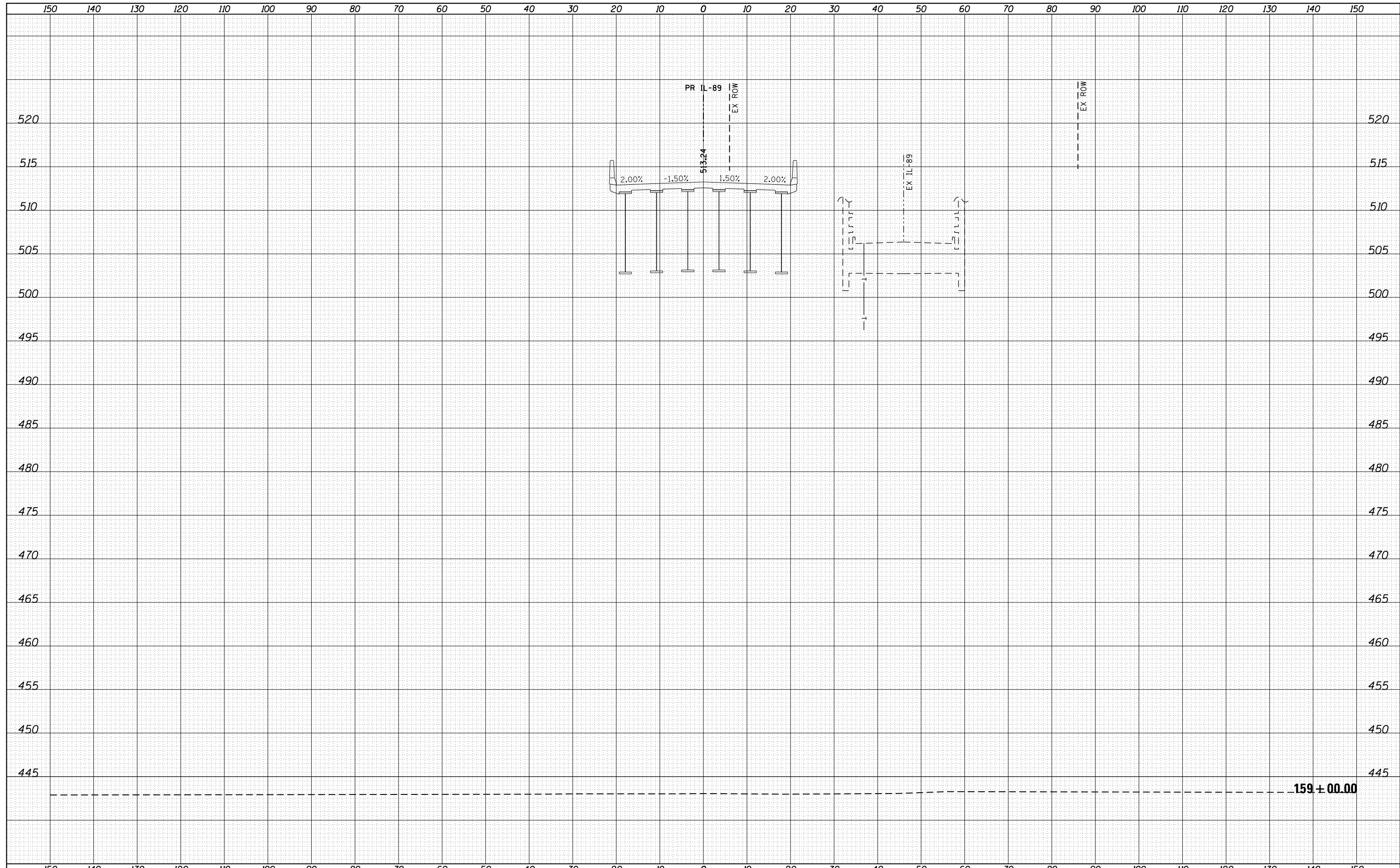
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -		698	1 (BR)	PUTNAM/BUREAU	415	381				
\$MODELNAME\$	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -		SCALE: SHEET OF SHEETS STA. 158+50.00 TO STA. 158+50.00				CONTRACT NO. 66A69				
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -		ILLINOIS FED. AID PROJECT								

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn

USER NAME = swikinson	DESIGNED - RJP	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

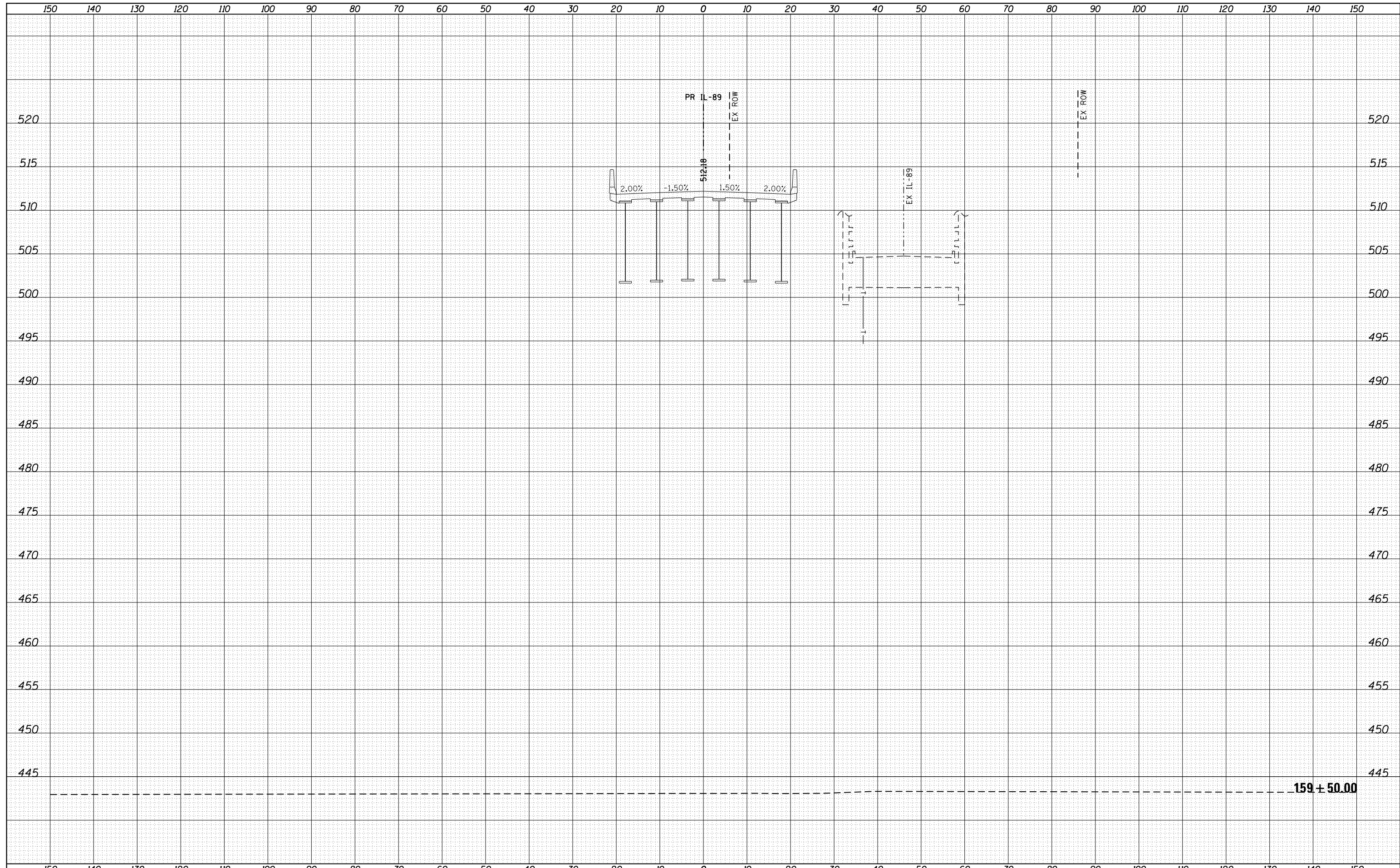
**CROSS SECTIONS
IL 89**

SCALE: SHEET OF SHEETS STA. 159+00.00 TO STA. 159+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	382
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -

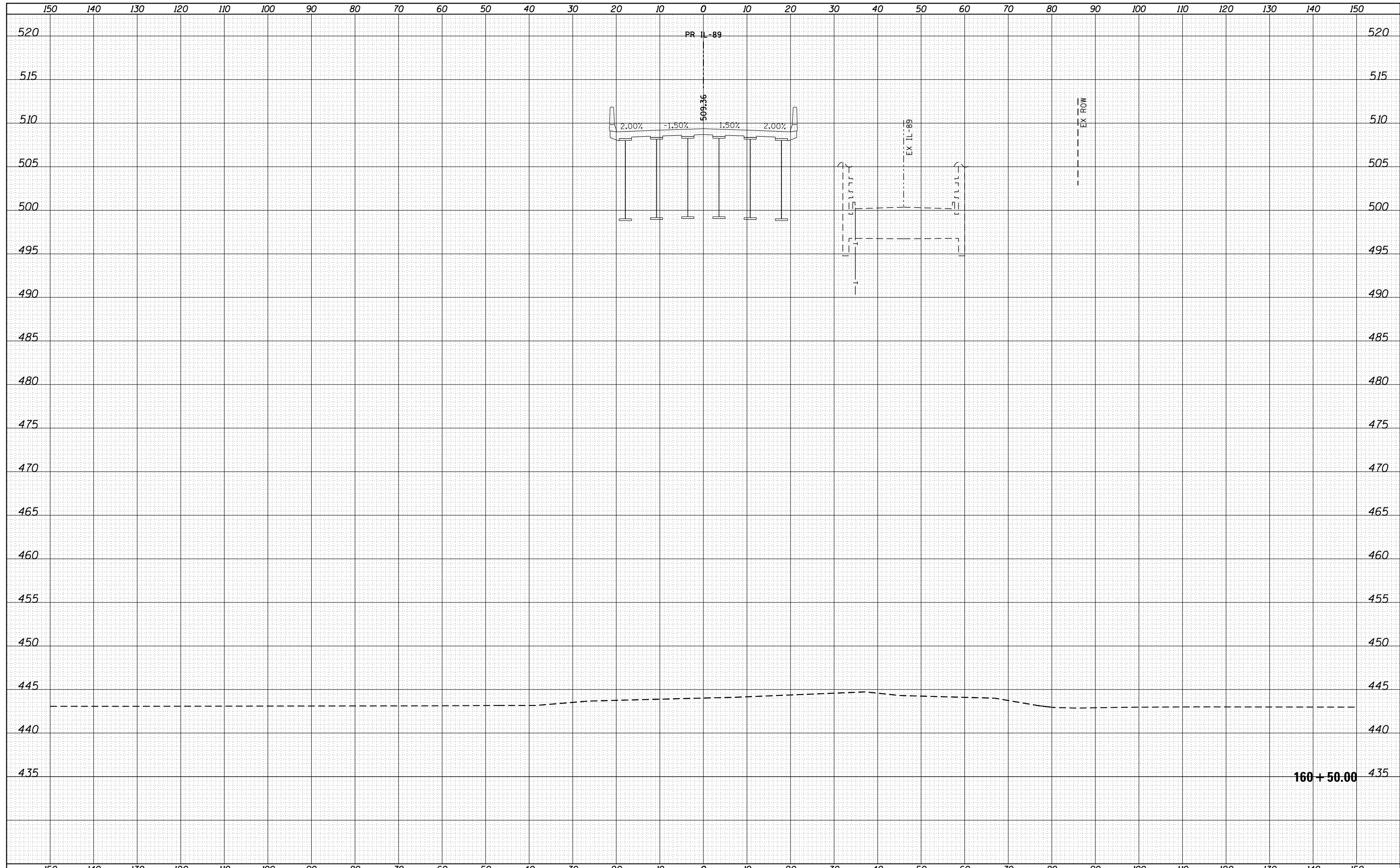
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 159+50.00 TO STA. 159+50.00

F.A. RTE. 698	SECTION 1 (BR)	COUNTY PUTNAM/BUREAU	TOTAL SHEETS 415	SHEET NO. 383
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

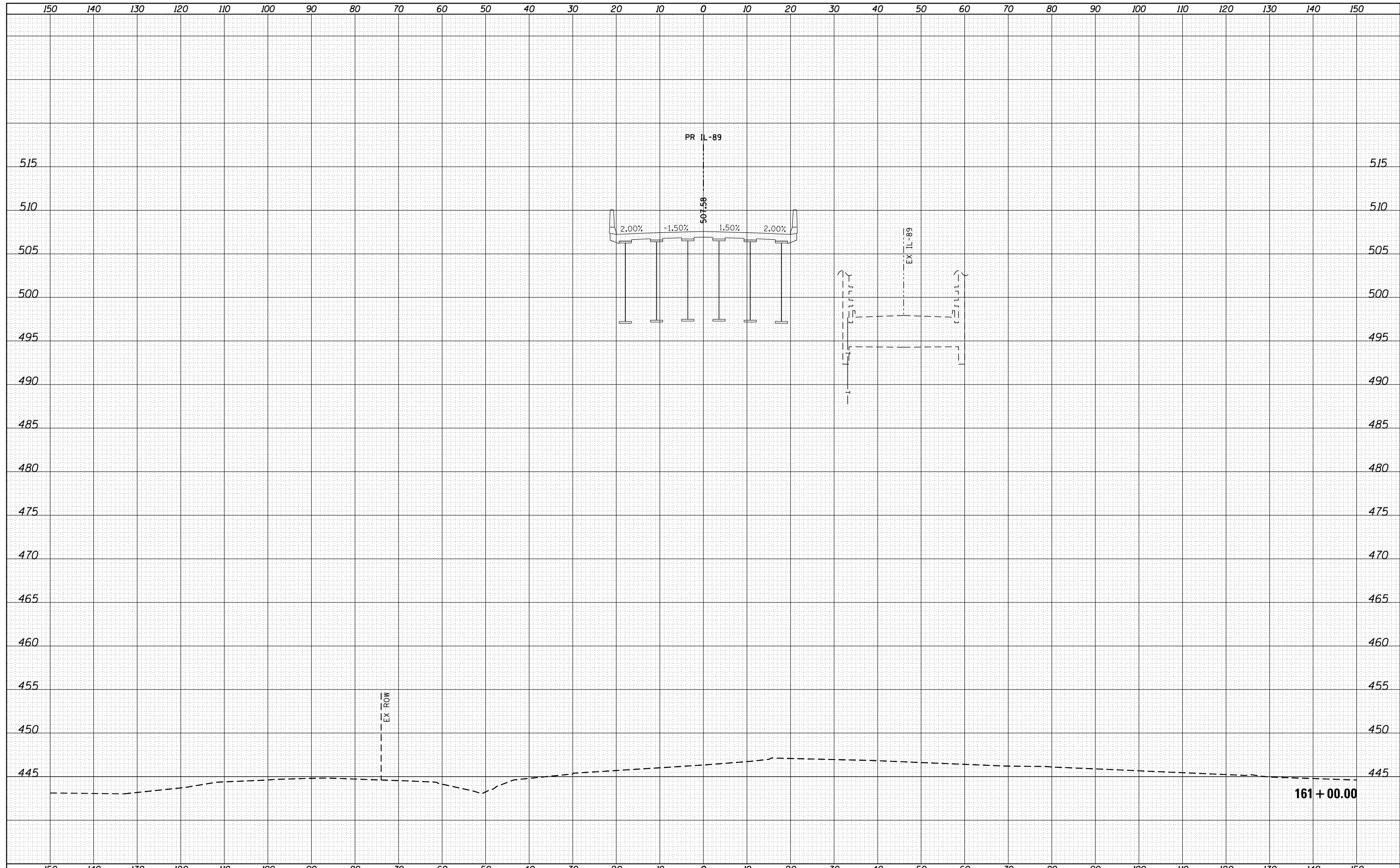


160 + 50.00

FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -		698	1 (BR)	PUTNAM/BUREAU	415	385				
MODELNAME	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -		SCALE: SHEET OF SHEETS STA. 160+50.00 TO STA. 160+50.00				CONTRACT NO. 66A69				
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -		ILLINOIS FED. AID PROJECT								

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

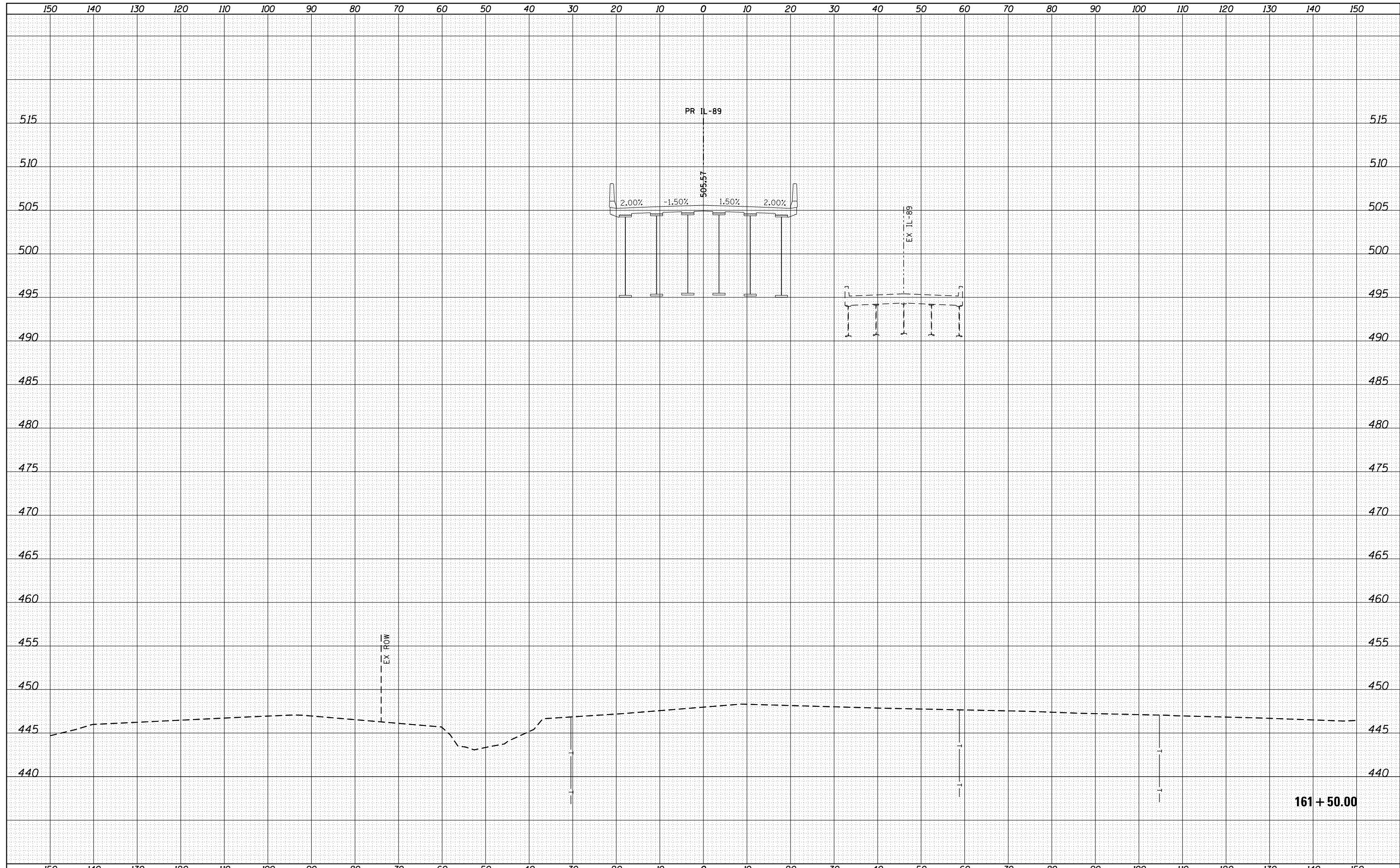
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISIED -		698	1 (BR)	PUTNAM/BUREAU	415	386				
MODELNAME	PLOT SCALE = 1:100 H, 1:5 V	CHECKED - JNR	REVISIED -		SCALE: SHEET OF SHEETS STA. 161+00.00 TO STA. 161+00.00				CONTRACT NO. 66A69				
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISIED -						ILLINOIS FED. AID PROJECT				

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

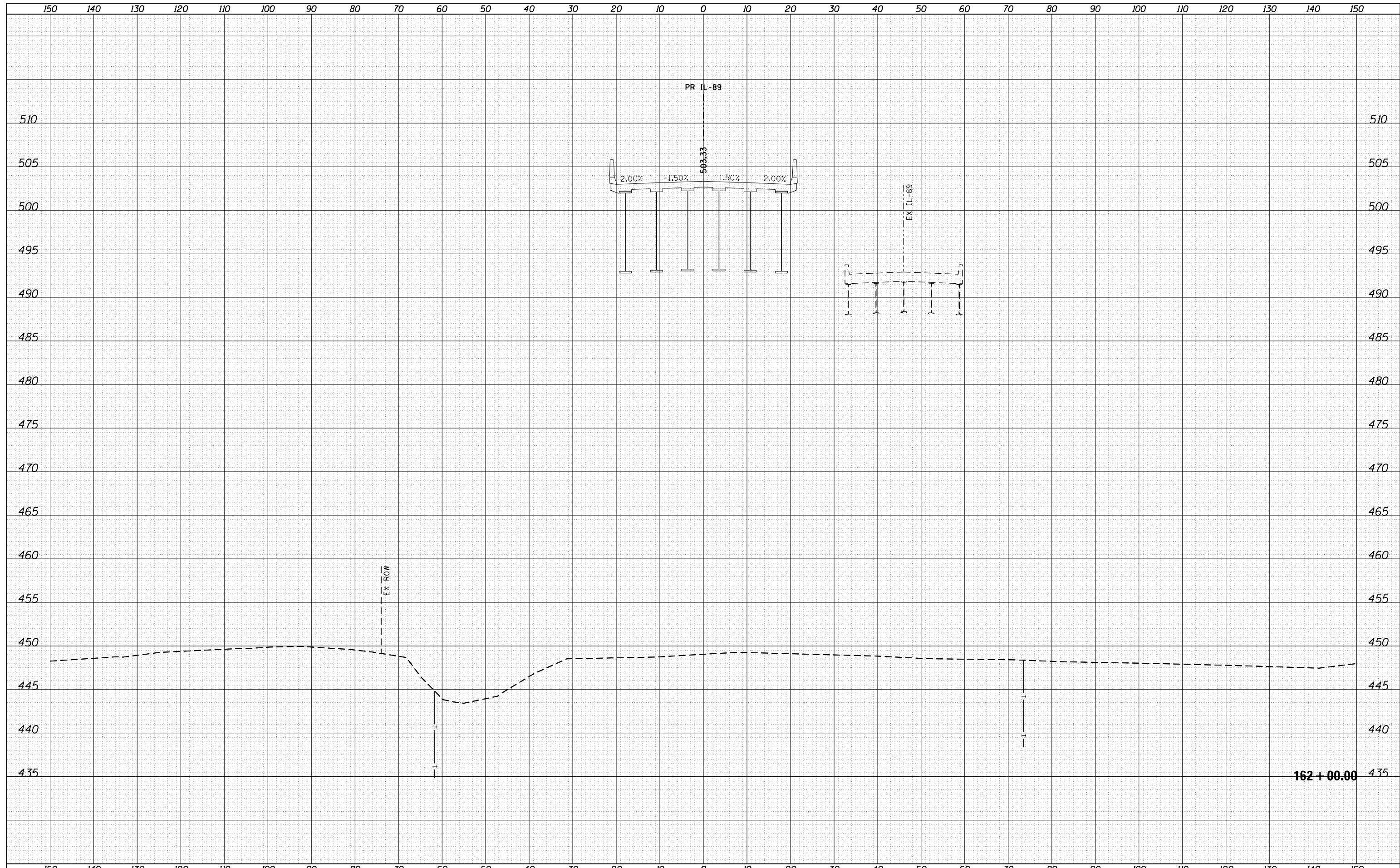
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISIED -		698	1 (BR)	PUTNAM/BUREAU	415	387				
MODELNAME		CHECKED - JNR	REVISIED -		SCALE: SHEET OF SHEETS STA. 161+50.00 TO STA. 161+50.00				CONTRACT NO. 66A69				
		DATE - 8/10/2015	REVISIED -		ILLINOIS FED. AID PROJECT								

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

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



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISIED -
	DRAWN - TMB	REVISIED -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISIED -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

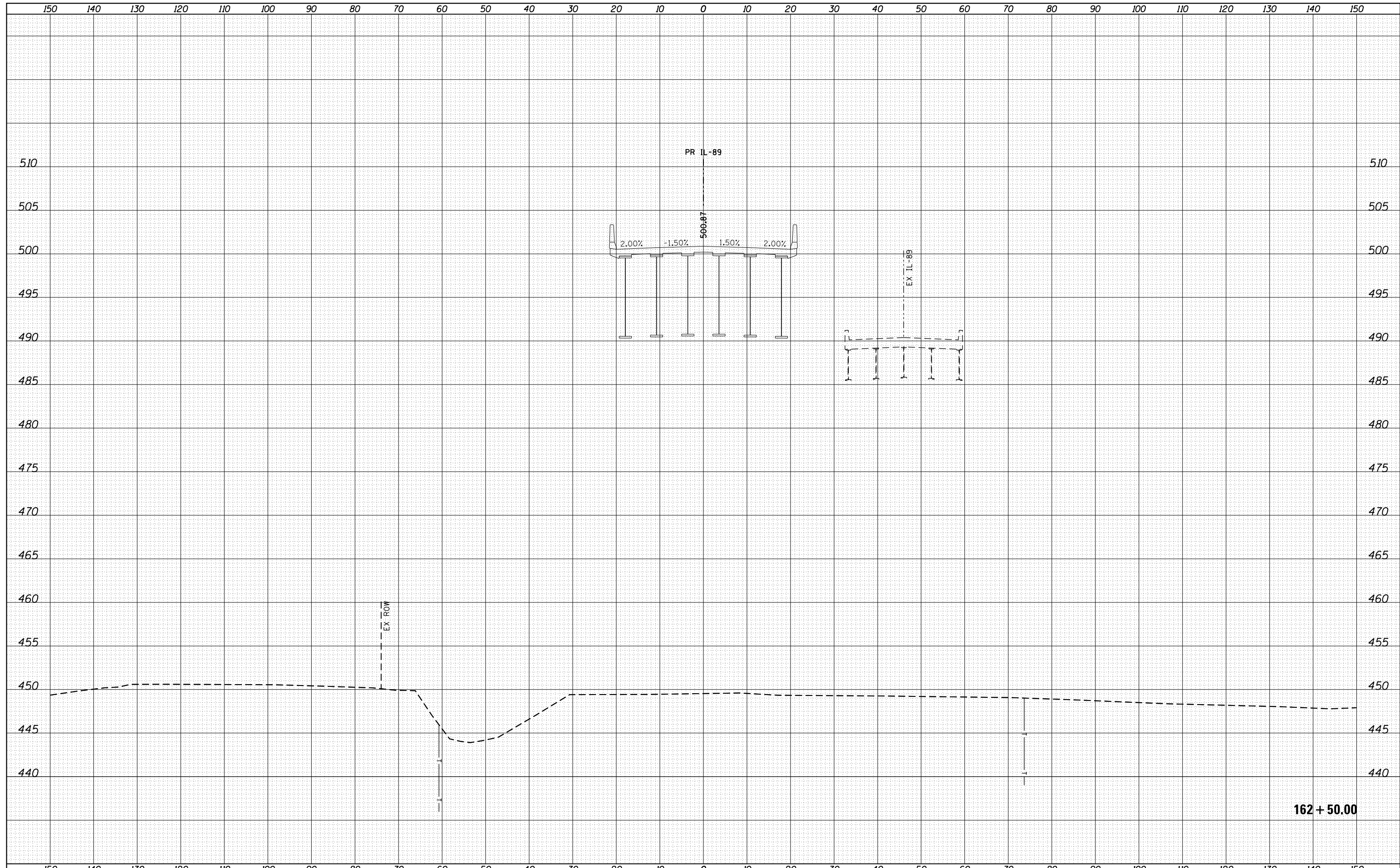
**CROSS SECTIONS
IL 89**

SCALE: SHEET OF SHEETS STA. 162+00.00 TO STA. 162+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	388
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

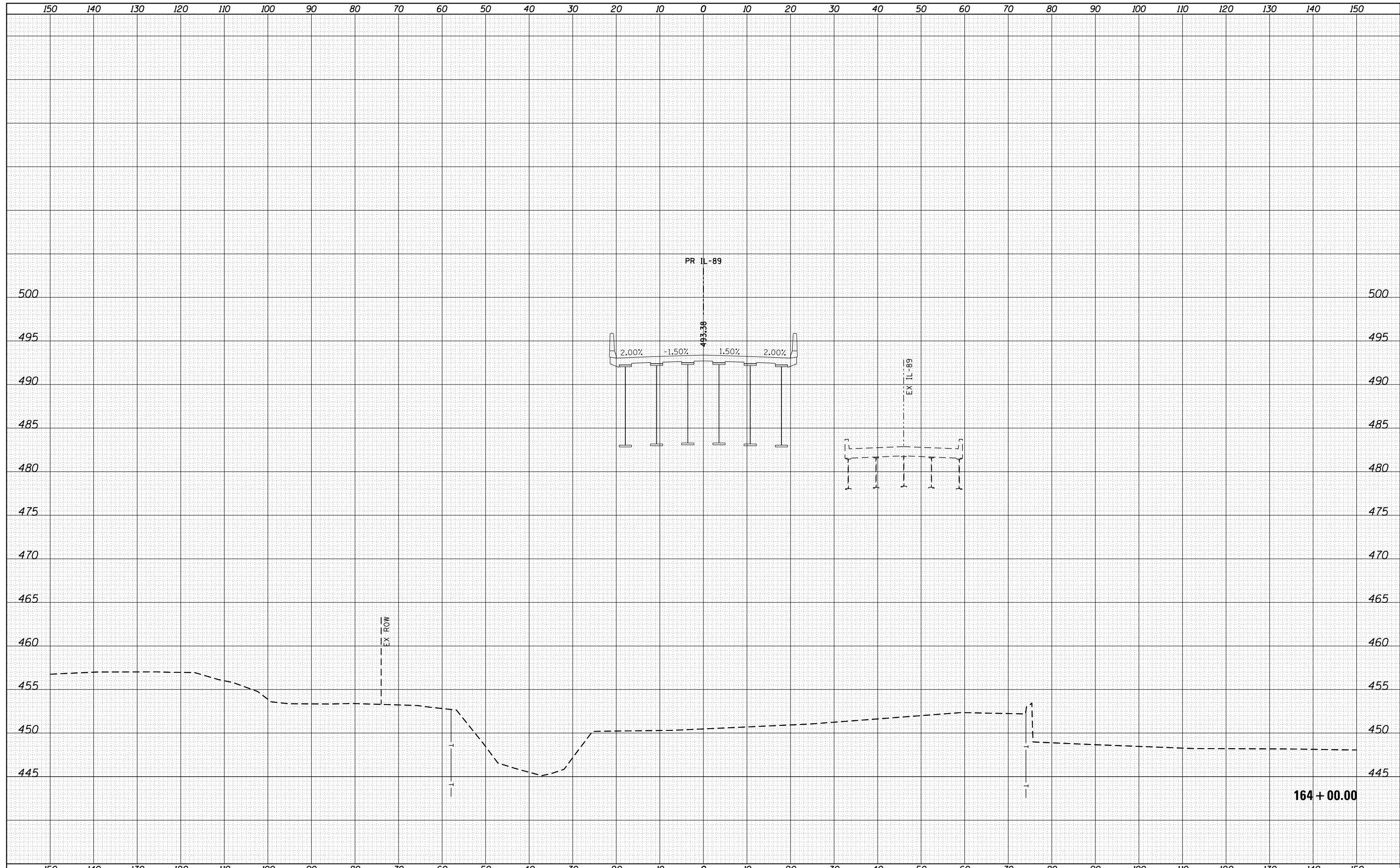
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISIED -		698	1 (BR)	PUTNAM/BUREAU	415	389				
MODELNAME	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISIED -		CONTRACT NO. 66A69				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 162+50.00	TO STA. 162+50.00			

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

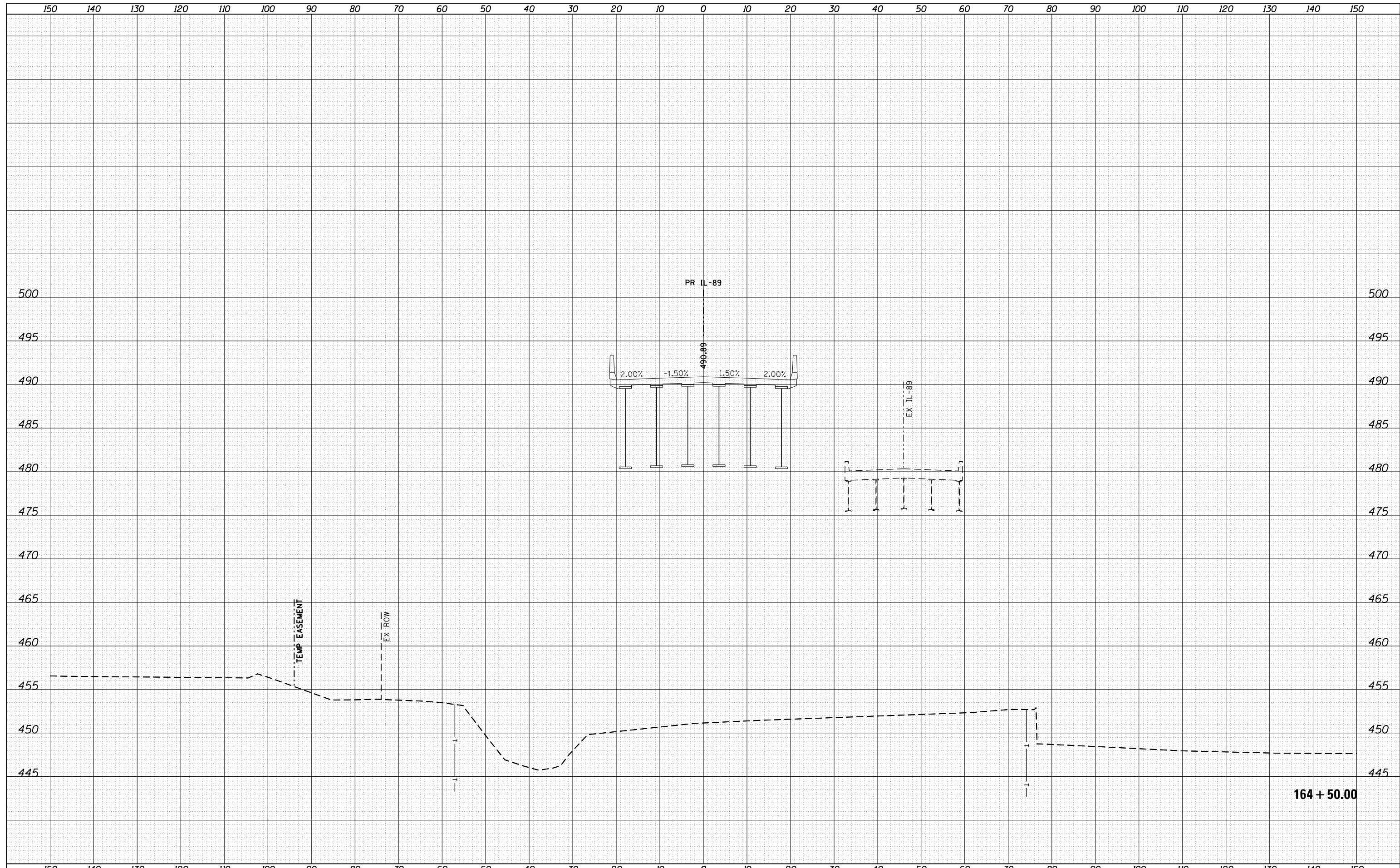
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISIED -		698	1 (BR)	PUTNAM/BUREAU	415	392				
MODELNAME	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISIED -		CONTRACT NO. 66A69								
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 164+00.00	TO	STA. 164+00.00	ILLINOIS FED. AID PROJECT	

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

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



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISIED -
	DRAWN - TMB	REVISIED -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISIED -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISIED -

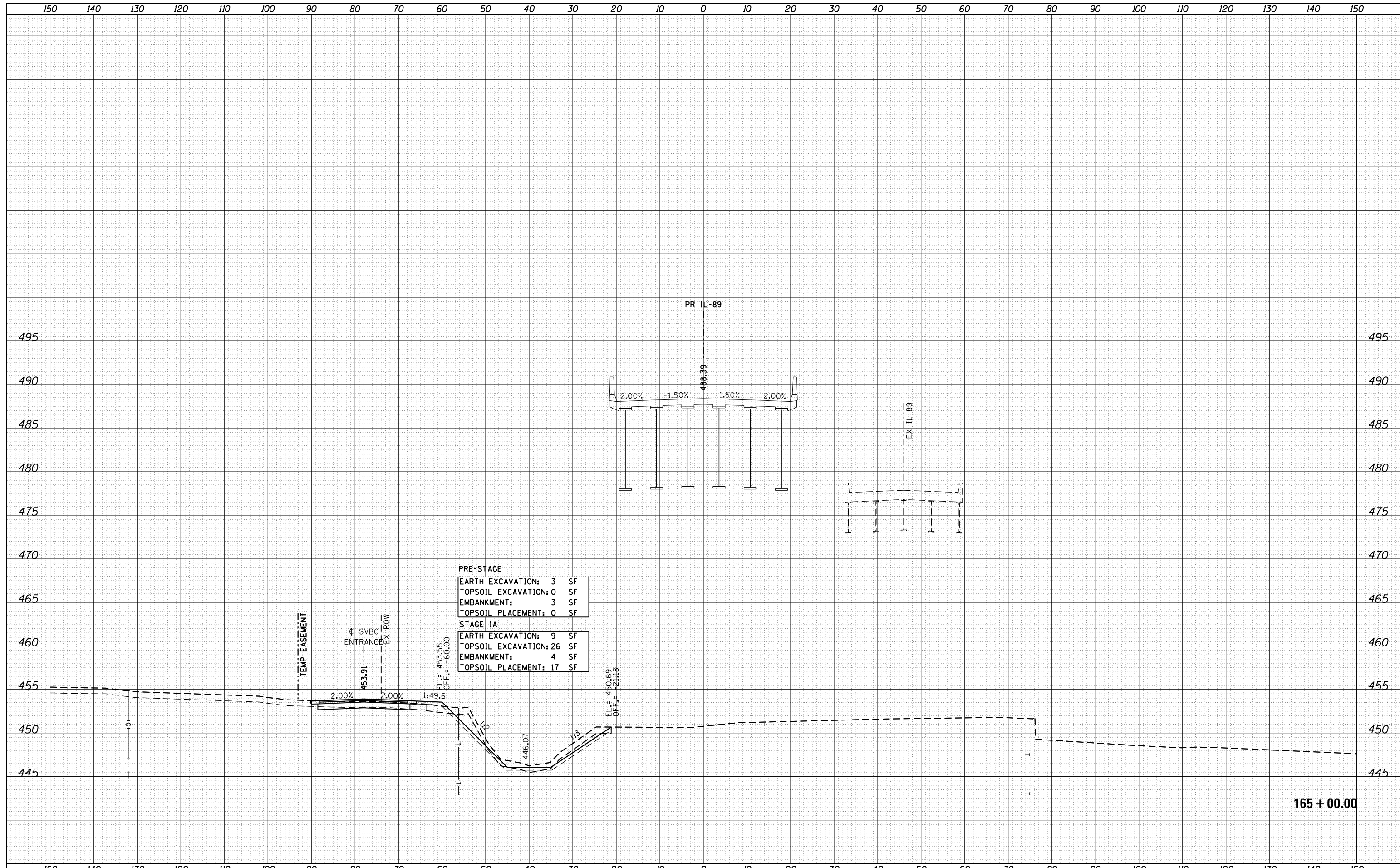
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 164+50.00 TO STA. 164+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	393
				CONTRACT NO. 66A69
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = ...Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -
PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

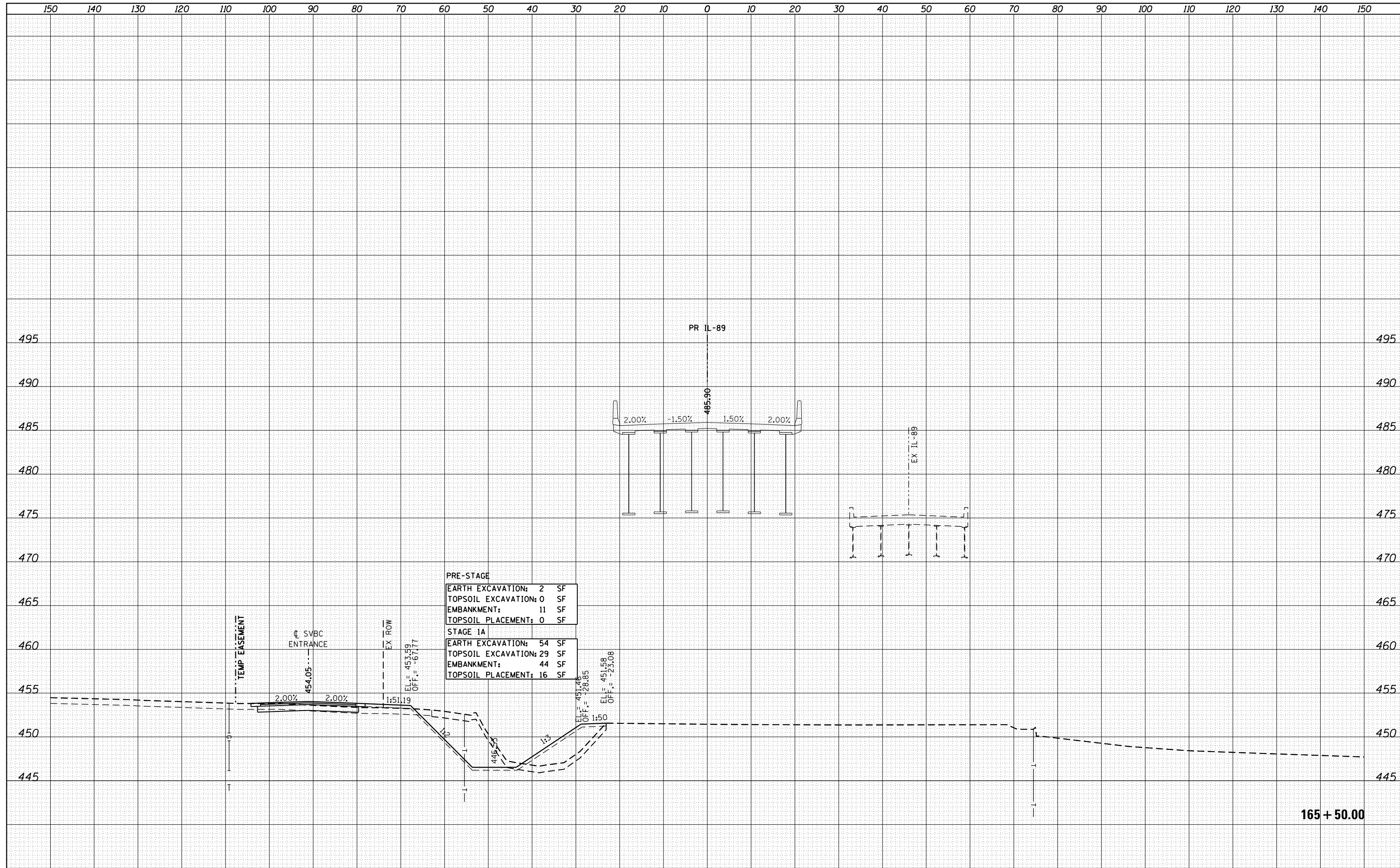
**CROSS SECTIONS
IL 89**

SCALE: SHEET OF SHEETS STA. 165+00.00 TO STA. 165+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	394
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

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



PRE-STAGE	
EARTH EXCAVATION:	2 SF
TOPSOIL EXCAVATION:	0 SF
EMBANKMENT:	11 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1A	
EARTH EXCAVATION:	54 SF
TOPSOIL EXCAVATION:	29 SF
EMBANKMENT:	44 SF
TOPSOIL PLACEMENT:	16 SF

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISED -
PLOT DATE = 8/7/2015	CHECKED - JNR	REVISED -
	DATE - 8/10/2015	REVISED -

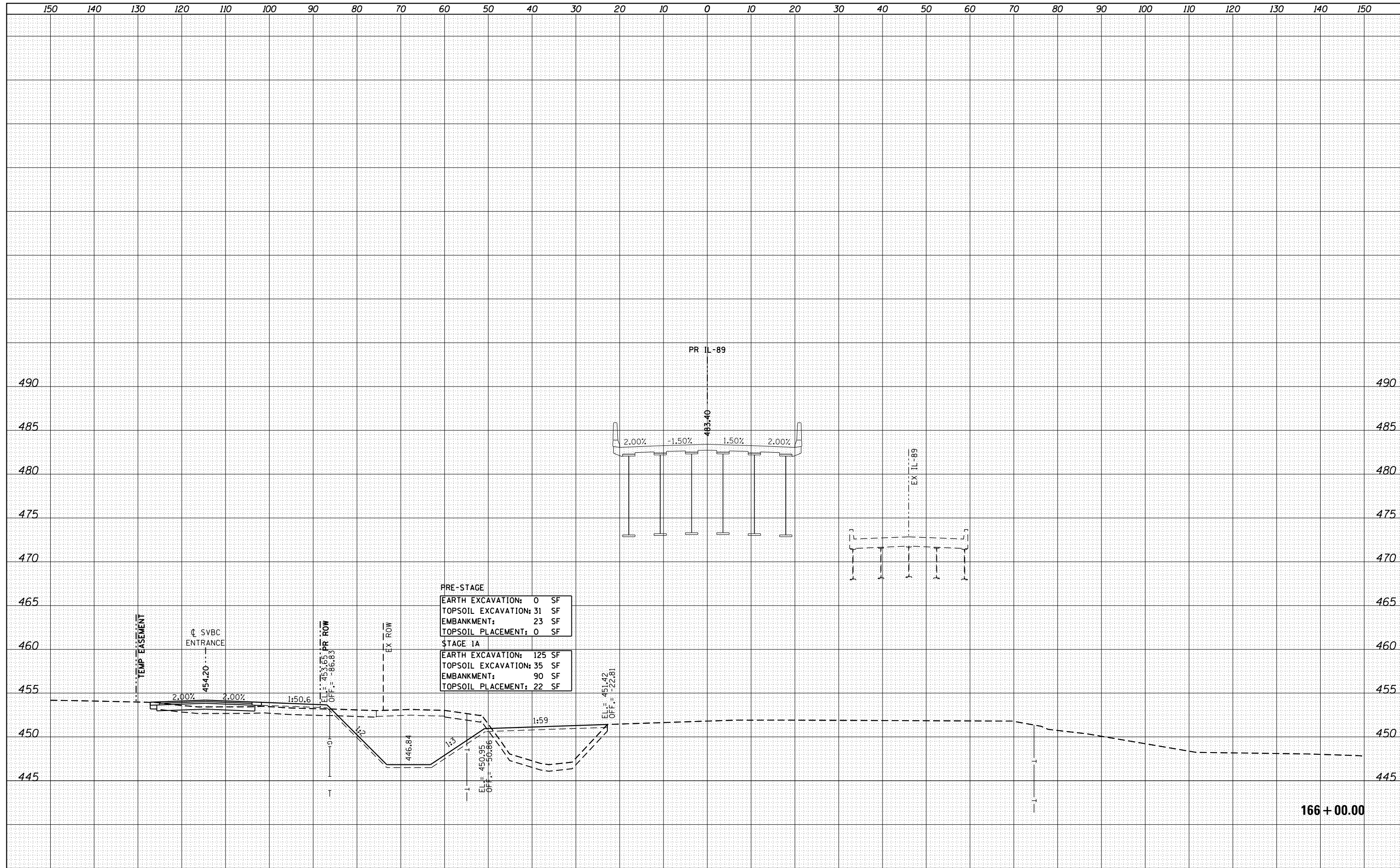
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 165+50.00 TO STA. 165+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	395
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

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

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



PRE-STAGE	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	31 SF
EMBANKMENT:	23 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1A	
EARTH EXCAVATION:	125 SF
TOPSOIL EXCAVATION:	35 SF
EMBANKMENT:	90 SF
TOPSOIL PLACEMENT:	22 SF

FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn
 MODELNAME

USER NAME = swikinson	DESIGNED - RJP	REVISED -
PLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISED -
PLOT DATE = 8/7/2015	CHECKED - JNR	REVISED -
	DATE - 8/10/2015	REVISED -

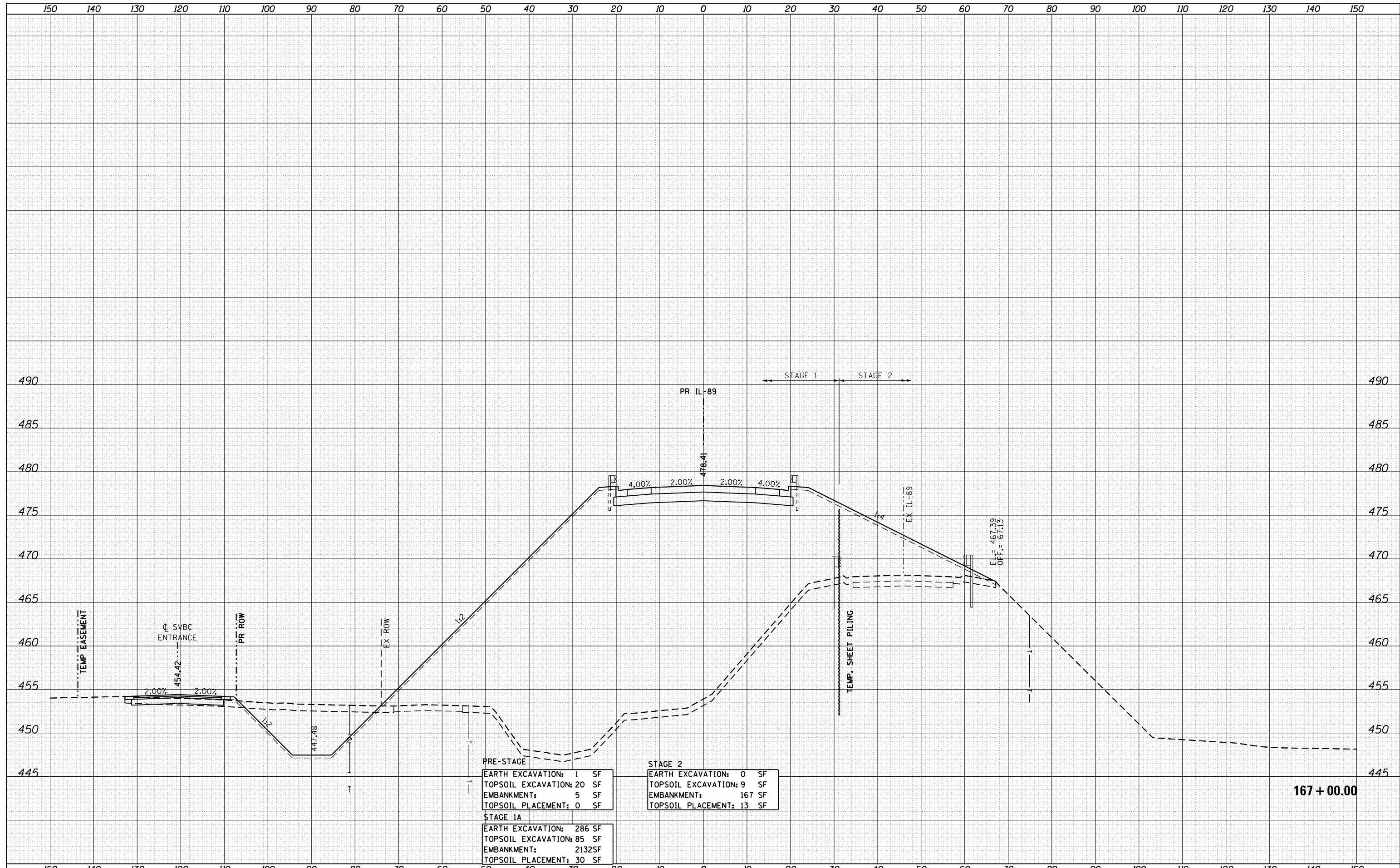
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
IL 89			
SCALE:	SHEET	OF	SHEETS
			STA. 166+00.00 TO STA. 166+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	396
				CONTRACT NO. 66A69
ILLINOIS FED. AID PROJECT				

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

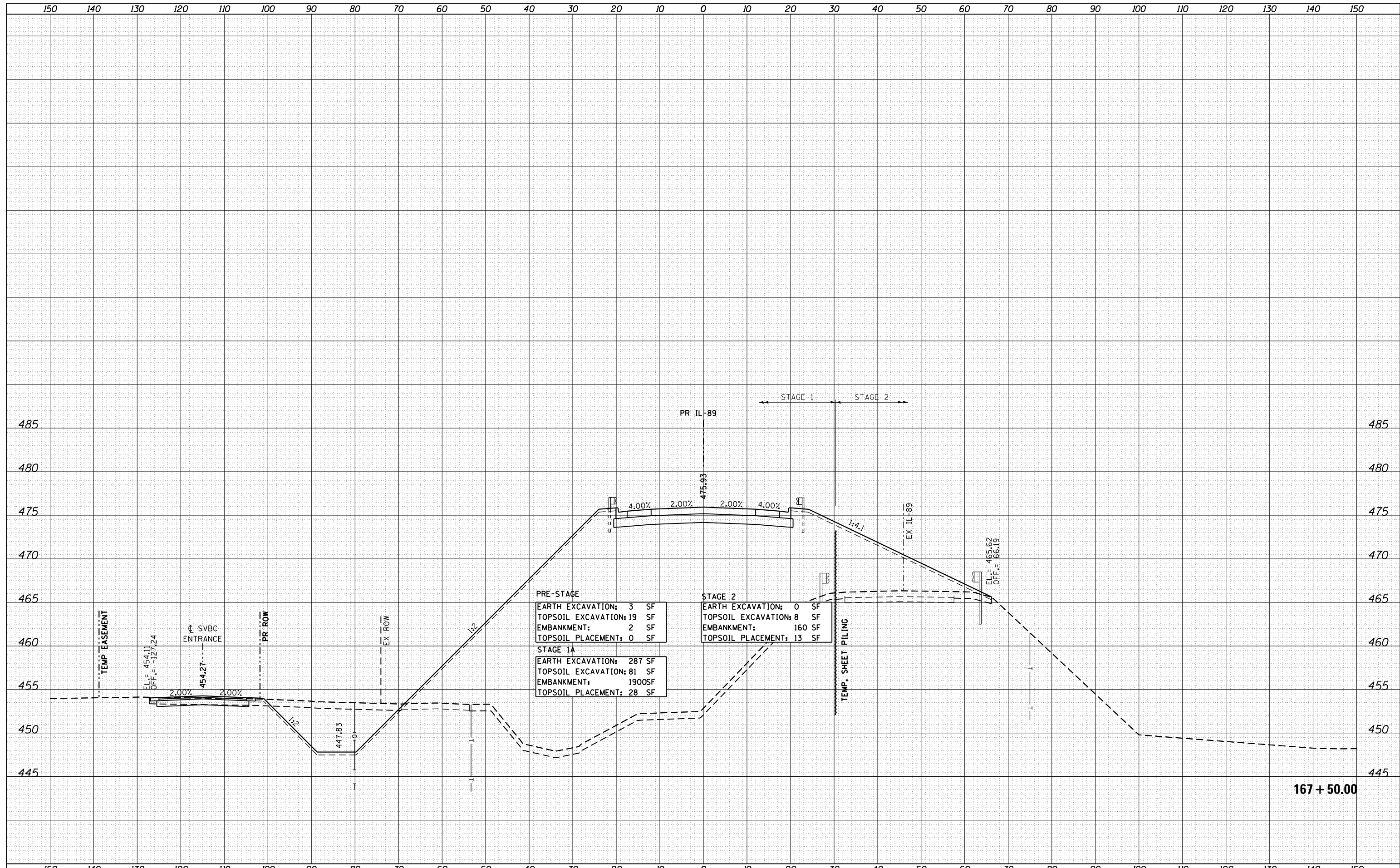
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME -	USER NAME - swikinson	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Bose\0366A69-xsc-IL89.dgn		DRAWN - TMB	REVISED -		698	1 (BR)	PUTNAM/BUREAU	415	398			
\$MODELNAME\$	PLOT SCALE = 1:10 H, 1:5 V	CHECKED - JNR	REVISED -		CONTRACT NO. 66A69							
	PLOT DATE = 8/7/2015	DATE - 8/10/2015	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET	OF	SHEETS	STA. 167+00.00	TO	STA. 167+00.00		

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

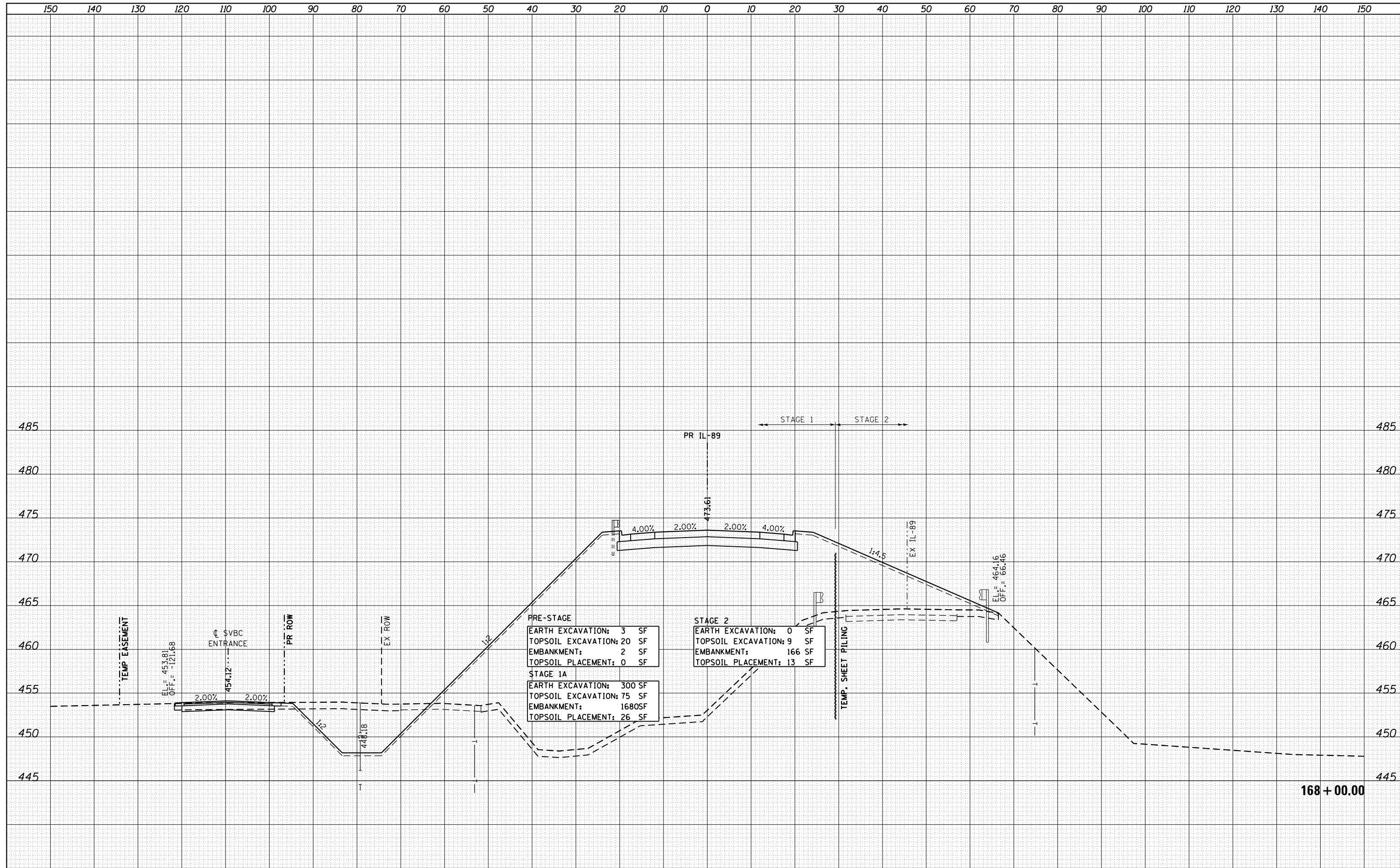
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



PRE-STAGE	
EARTH EXCAVATION:	3 SF
TOPSOIL EXCAVATION:	19 SF
EMBANKMENT:	2 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1A	
EARTH EXCAVATION:	287 SF
TOPSOIL EXCAVATION:	81 SF
EMBANKMENT:	1900SF
TOPSOIL PLACEMENT:	28 SF
STAGE 2	
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	8 SF
EMBANKMENT:	160 SF
TOPSOIL PLACEMENT:	13 SF

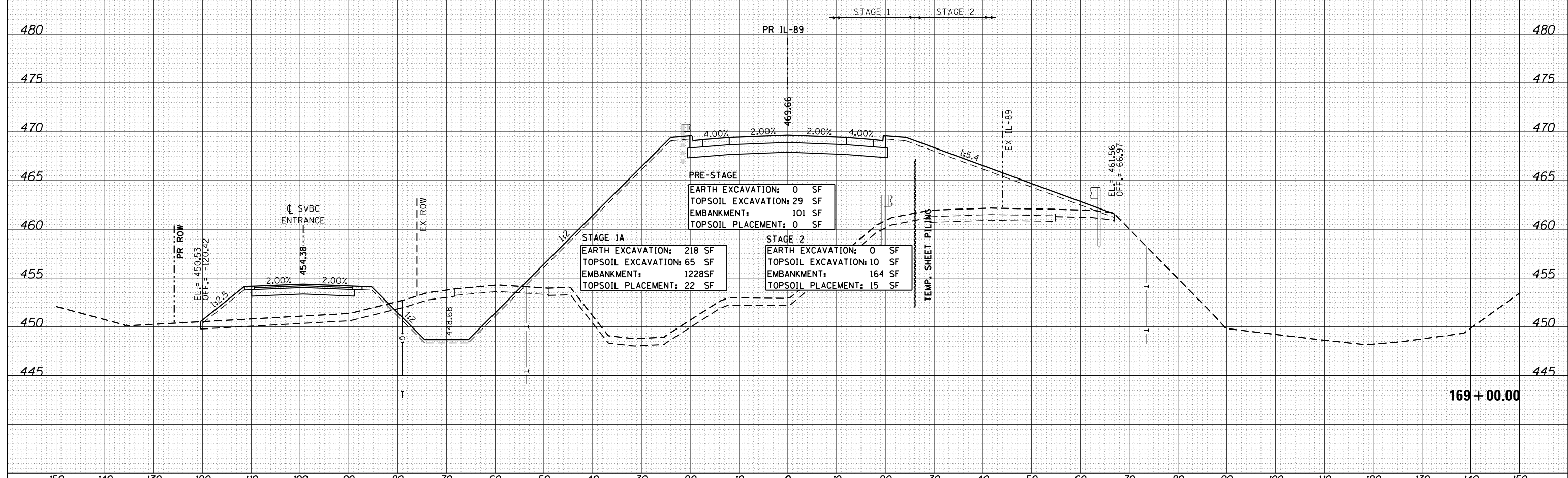
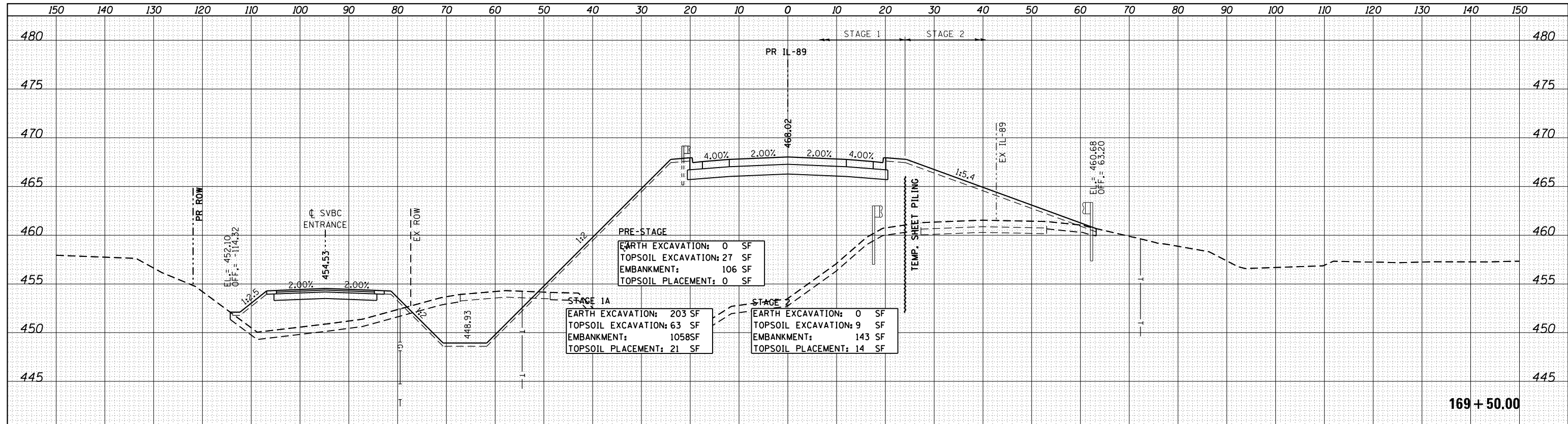
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



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

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



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn

USER NAME = swikinson
 DESIGNED - RJP
 DRAWN - TMB
 CHECKED - JNR
 DATE - 8/10/2015

REVISÉ -
 REVISÉ -
 REVISÉ -
 REVISÉ -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL 89**

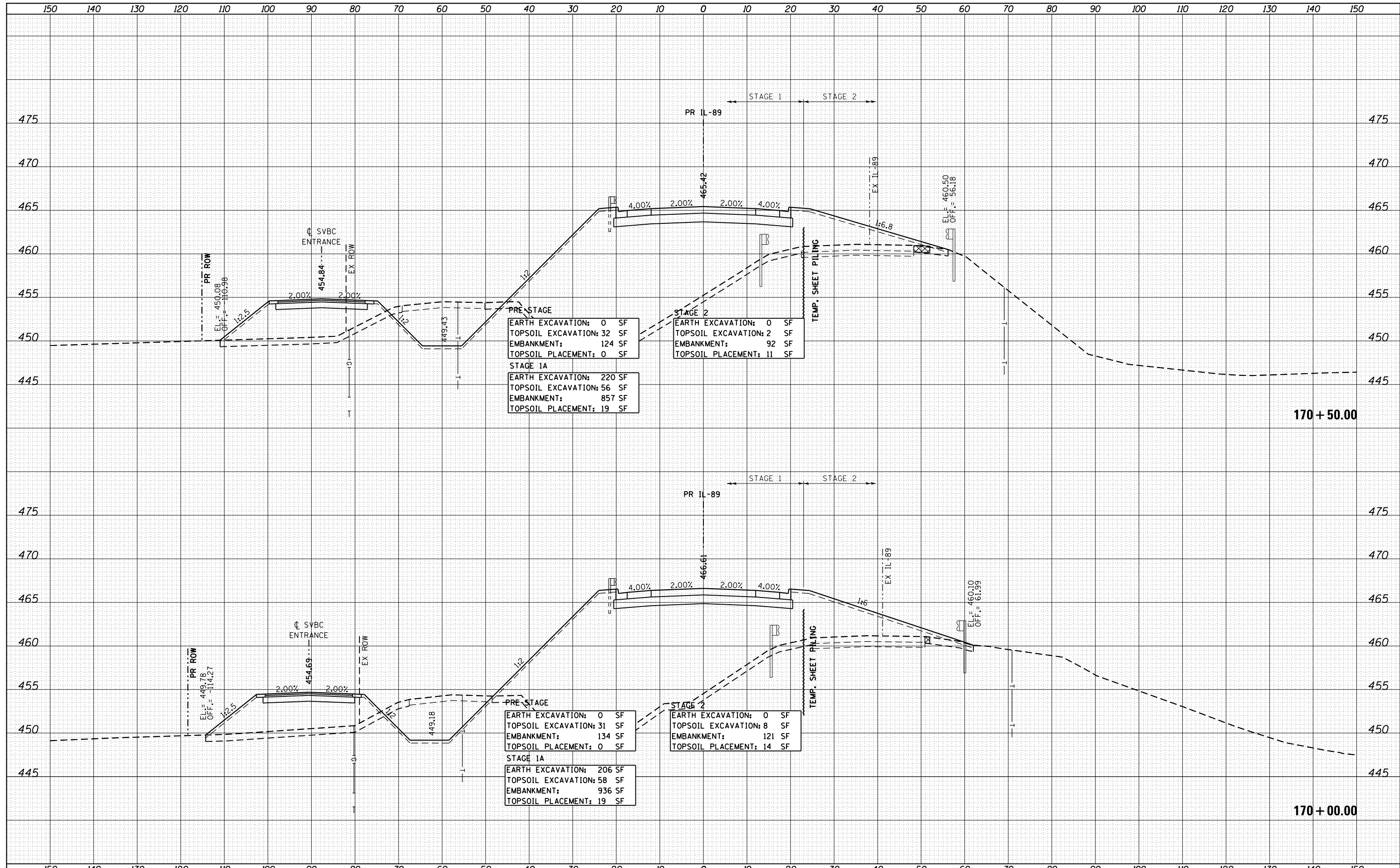
SCALE: SHEET OF SHEETS STA. 169+00.00 TO STA. 169+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	402
				CONTRACT NO. 66A69

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	

DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	
DATE	
BY	
FINISHED	
NO. OF SHEETS	



EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	32 SF
EMBANKMENT:	124 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1A	
EARTH EXCAVATION:	220 SF
TOPSOIL EXCAVATION:	56 SF
EMBANKMENT:	857 SF
TOPSOIL PLACEMENT:	19 SF

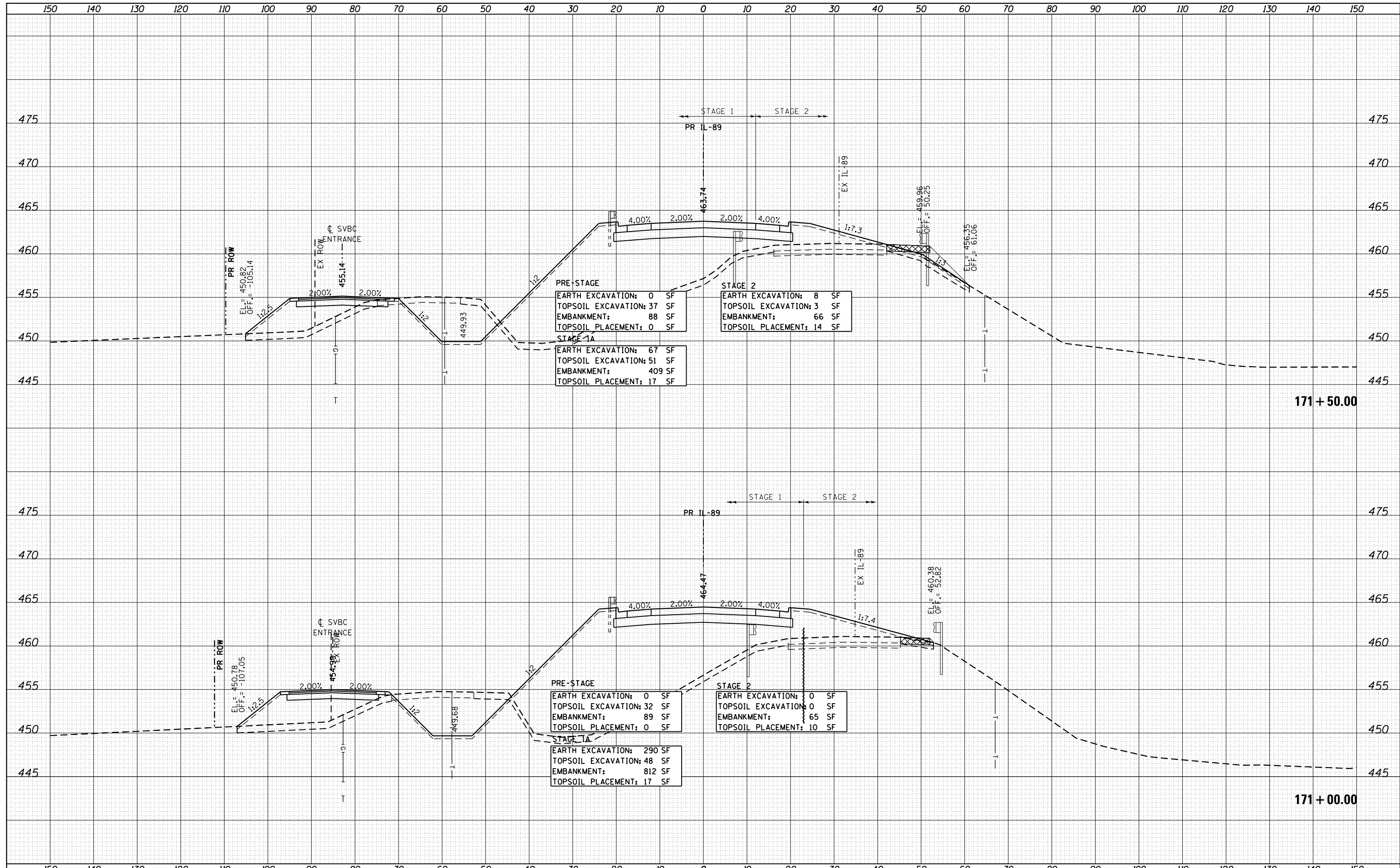
EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	2 SF
EMBANKMENT:	92 SF
TOPSOIL PLACEMENT:	11 SF

EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	31 SF
EMBANKMENT:	134 SF
TOPSOIL PLACEMENT:	0 SF
STAGE 1A	
EARTH EXCAVATION:	206 SF
TOPSOIL EXCAVATION:	58 SF
EMBANKMENT:	936 SF
TOPSOIL PLACEMENT:	19 SF

EARTH EXCAVATION:	0 SF
TOPSOIL EXCAVATION:	8 SF
EMBANKMENT:	121 SF
TOPSOIL PLACEMENT:	14 SF

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

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



FILE NAME = ...\\Bose\0366A69-xsc-IL89.dgn

USER NAME = swikinson
 DESIGNED - RJP
 DRAWN - TMB
 CHECKED - JNR
 DATE - 8/10/2015

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

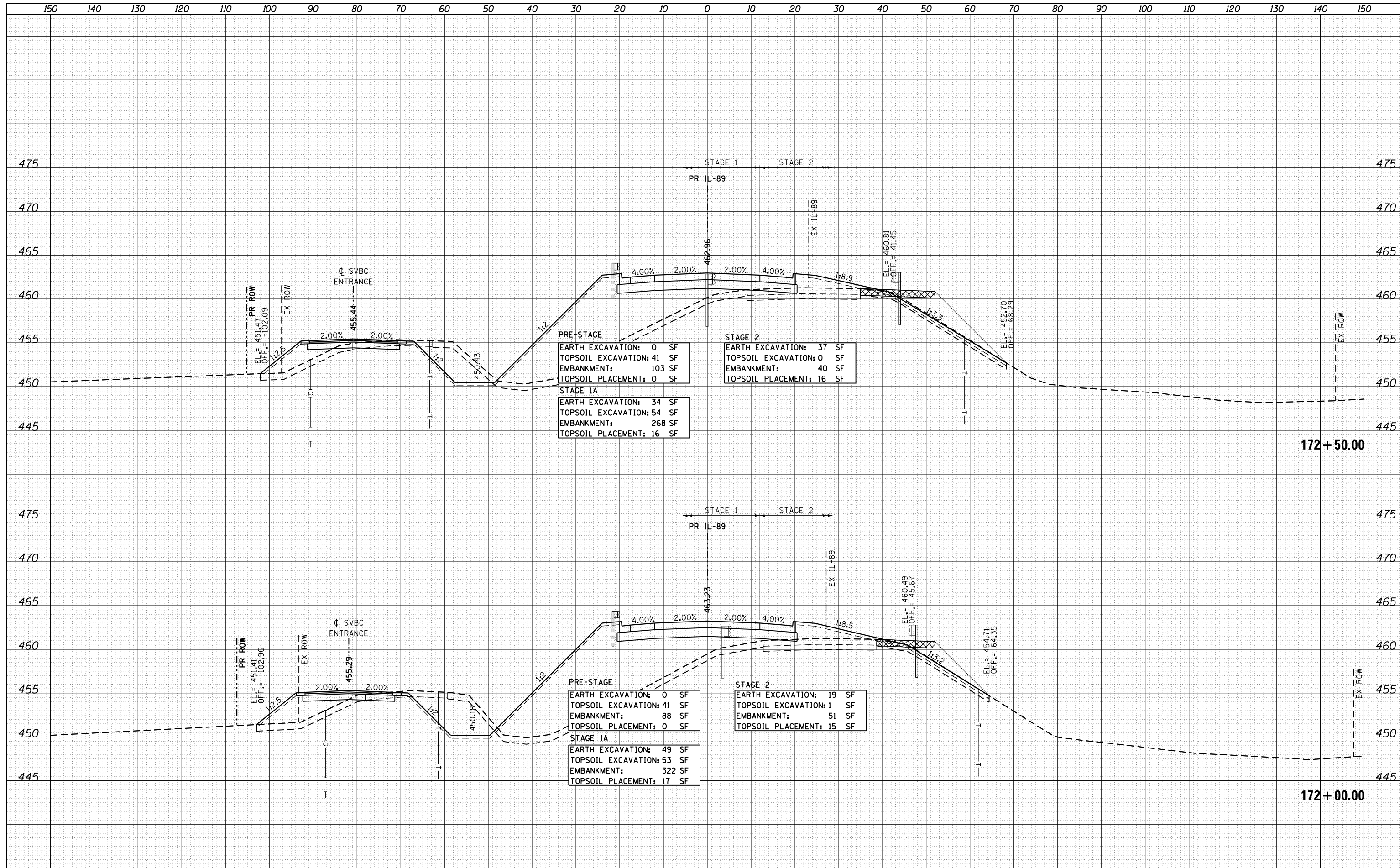
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL 89**
 SCALE: SHEET OF SHEETS STA. 171+00.00 TO STA. 171+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	1 (BR)	PUTNAM/BUREAU	415	404
				CONTRACT NO. 66A69
ILLINOIS FED. AID PROJECT				

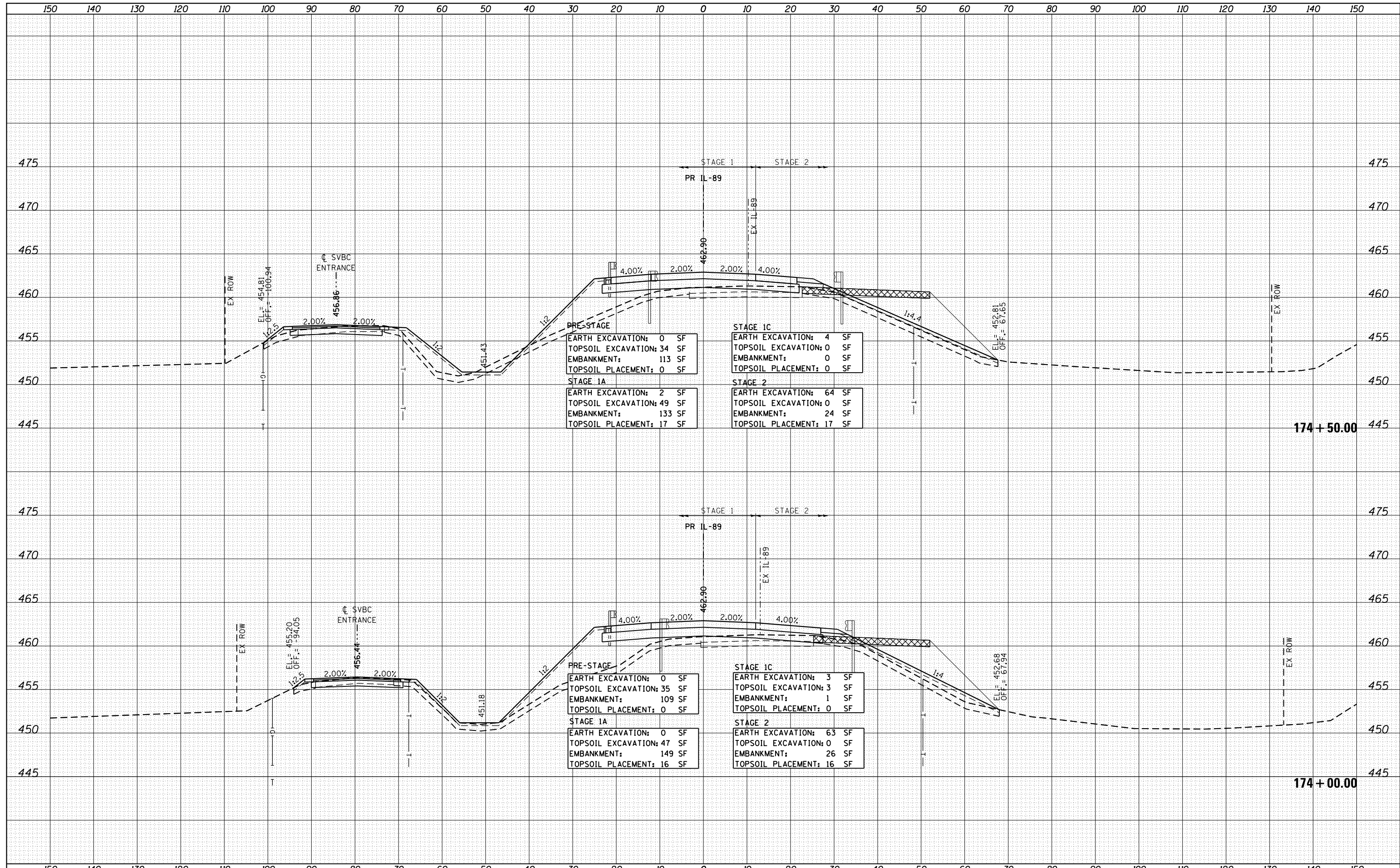
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

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



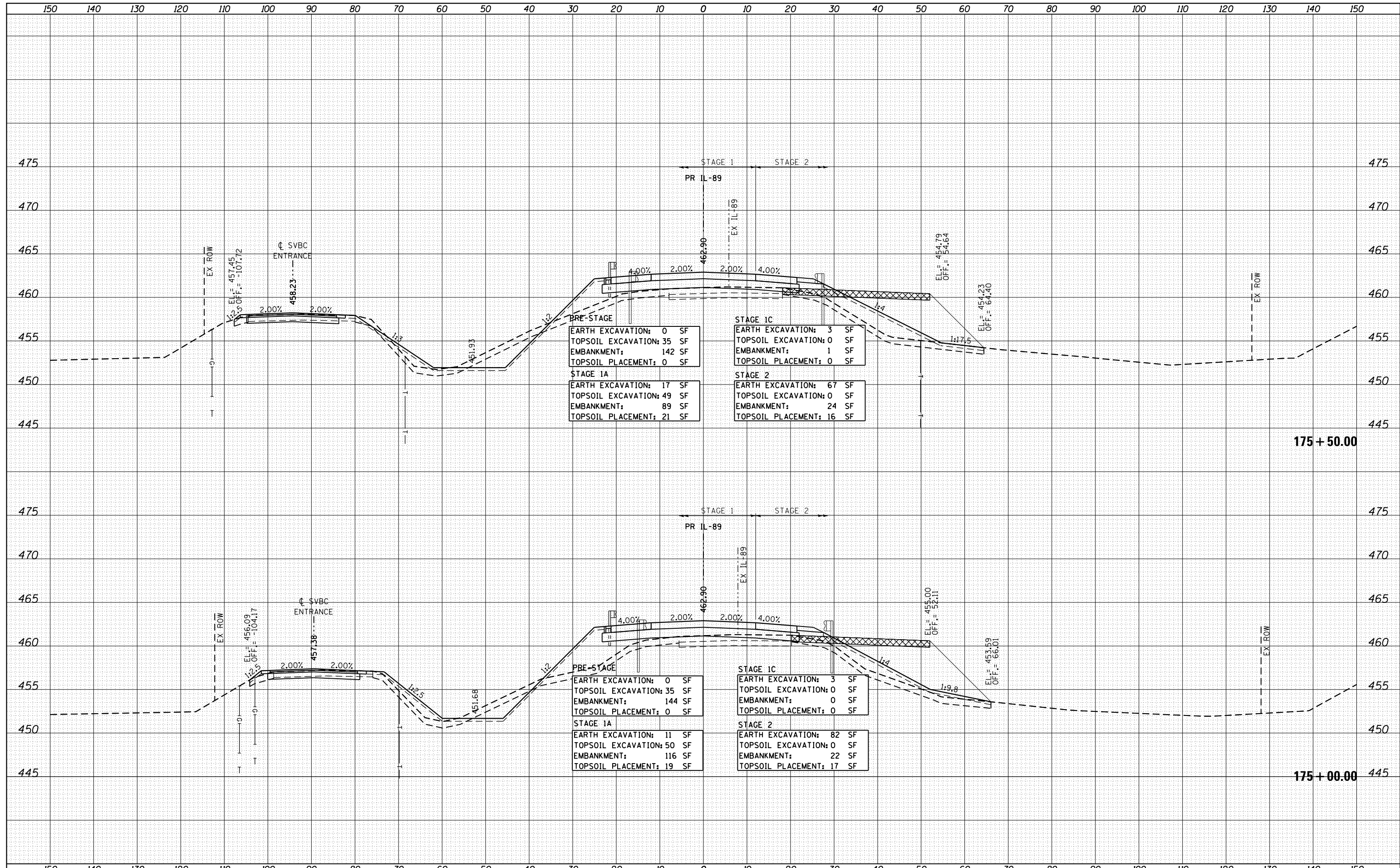
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



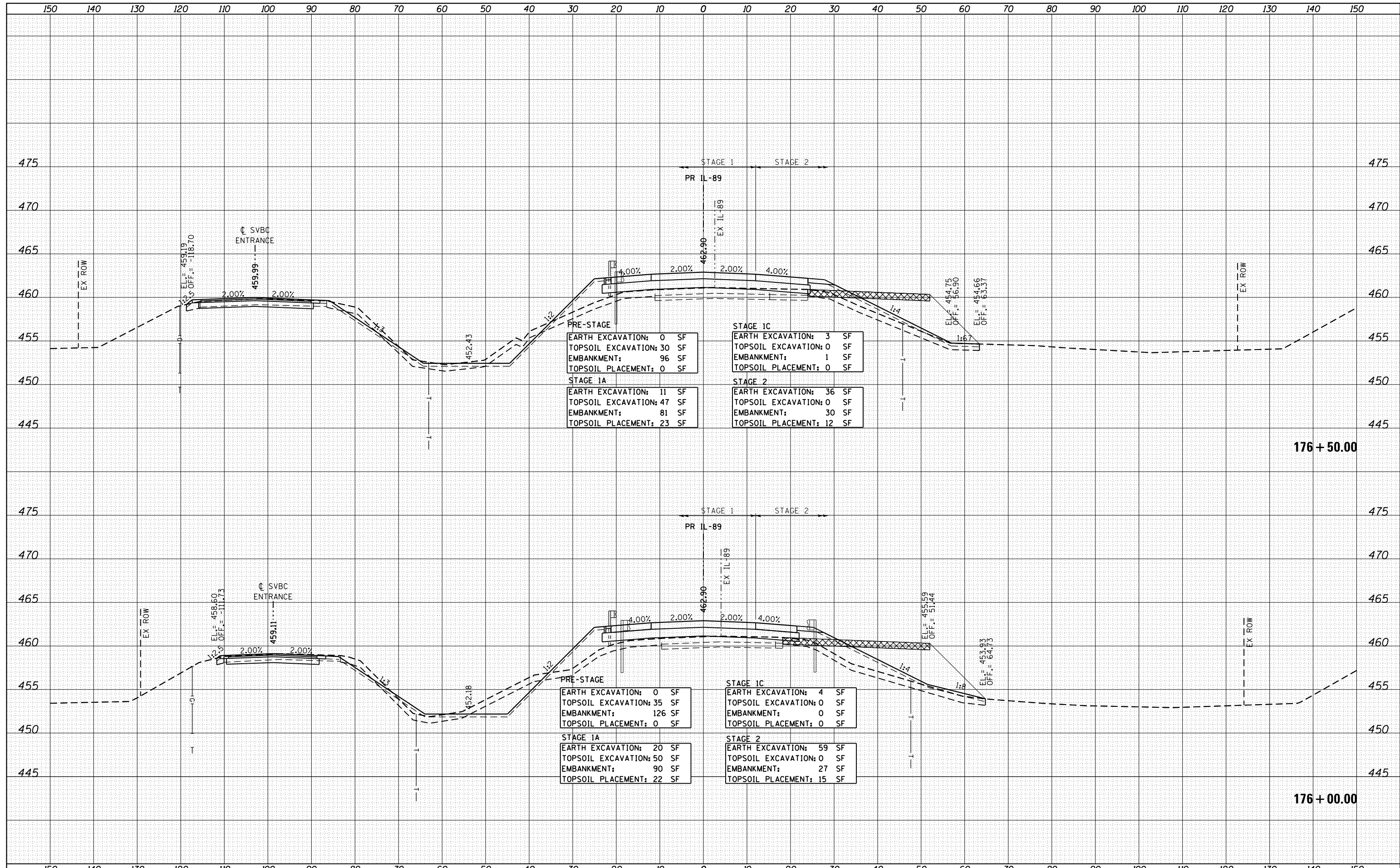
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



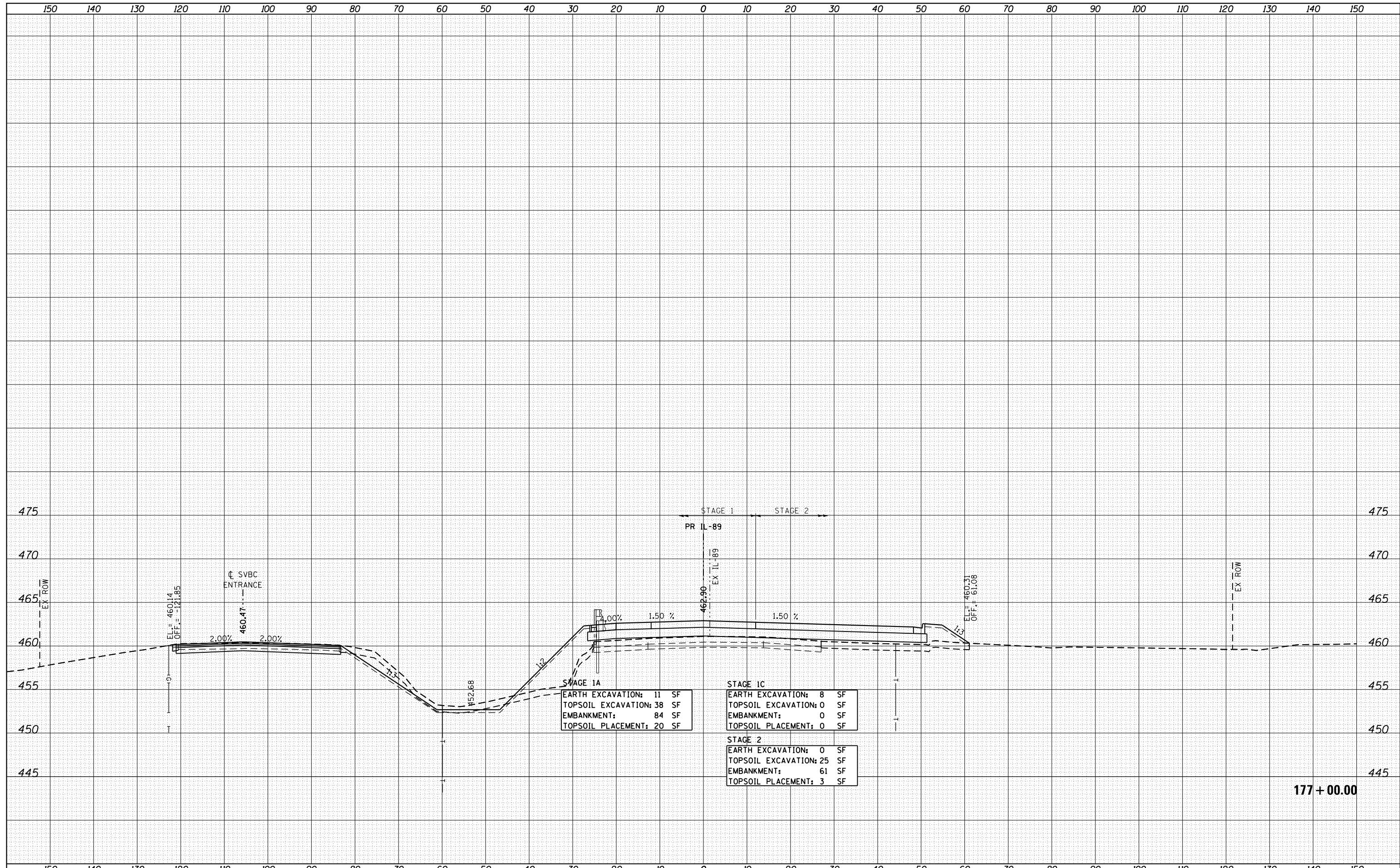
DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



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

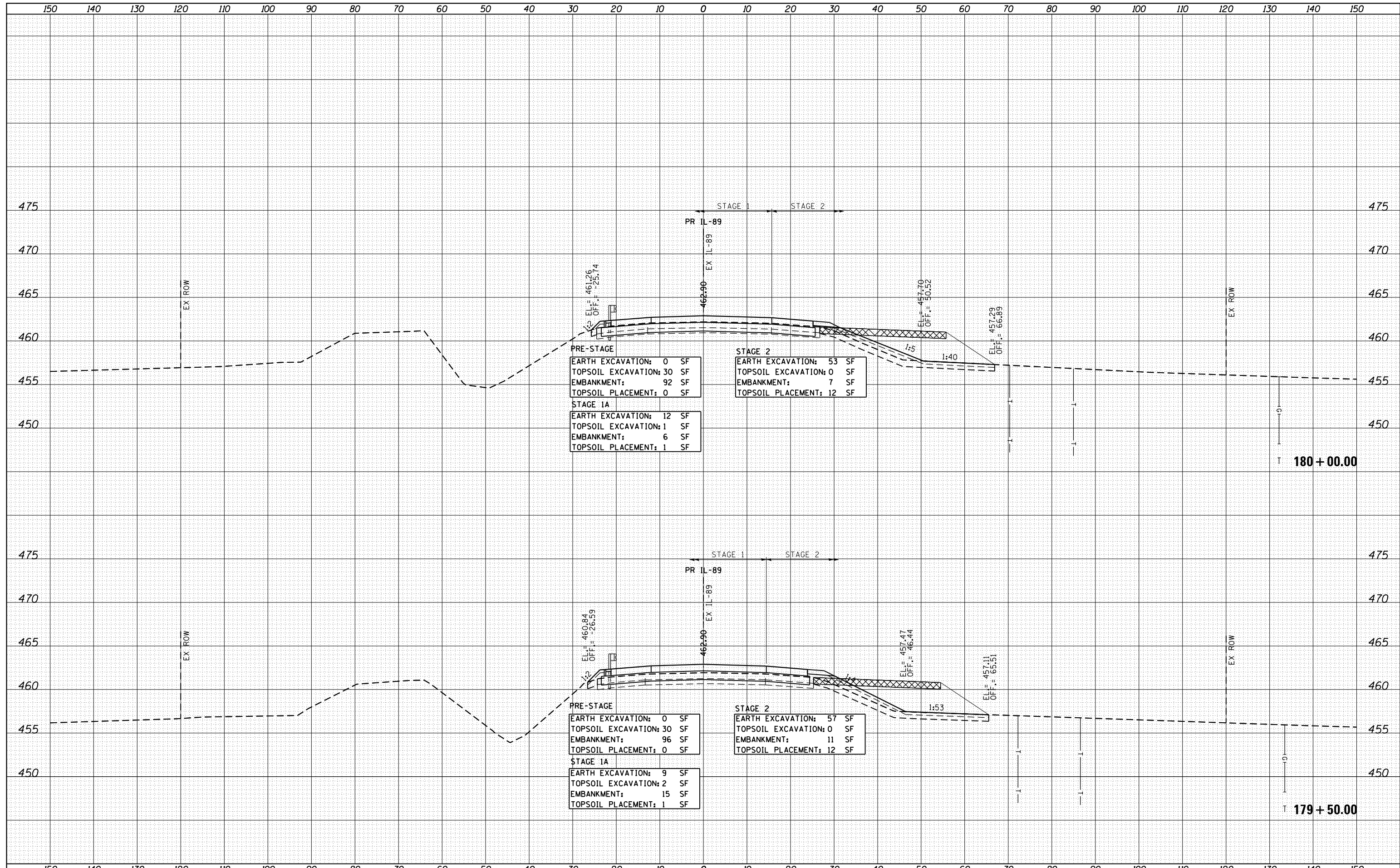
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = swikinson	DESIGNED - RJP	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 89			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...Bose\0366A69-xsc-IL89.dgn	PLOT SCALE = 1:10 H, 1:5 V	DRAWN - TMB	REVISIED -					698	1 (BR)	PUTNAM/BUREAU	415	410
\$MODELNAME\$	PLOT DATE = 8/7/2015	CHECKED - JNR	REVISIED -		SCALE: SHEET OF SHEETS STA. 177+00.00 TO STA. 177+35.60			CONTRACT NO. 66A69				
		DATE - 8/10/2015	REVISIED -		ILLINOIS FED. AID PROJECT							

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

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



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

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

