03-06-15 LETTING ITEM 183

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	1
	ILLINOIS	CONTRACT NO. 70534		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

ROUTE FAS 1488 (OLD US 66)
SECTION (17-RB-2)BR
PROJECT ACRS-1488 (110)
BRIDGE REPLACEMENT
MCLEAN COUNTY

C-95-054-06

TIMBER CREEK 4.5 MILE N. OF US 136

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4 – 6

CURRENT TRAFFIC DATA

F.A.S. 1488

2013 A.D.T.	=	800
P.U.& P.C.	=	788
SU	=	10
MU	=	2

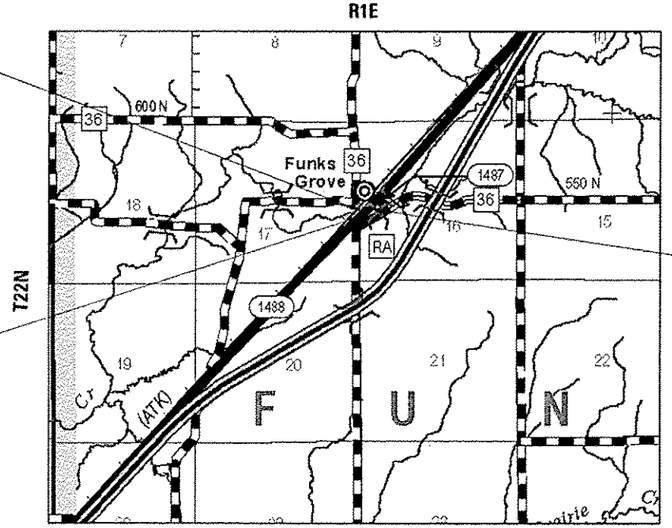
DESIGN DESIGNATION

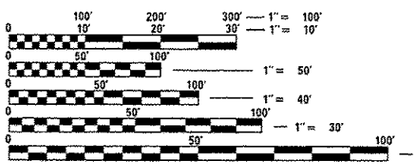
MAJOR COLLECTOR

EXISTING SN 057-0003 AT STA. 159+70.00
CARRYING OLD US ROUTE 66 OVER TIMBER CREEK TO BE REMOVED AND REPLACED
PROPOSED SN 057-0243 AT STA. 159+71.32
SINGLE SPAN 60" WEB PLATE GIRDER BRIDGE
134'- 0" BK-BK; SKEW 30° RIGHT FORWARD

F.A.S. 1488 SECTION (17-RB- 2)BR
BEGINS: STA. 159+04.32

F.A.S. 1488 SECTION (17-RB-2)BR
ENDS: STA. 160+38.32





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

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

TOWNSHIP : FUNK'S GROVE

PROJECT ENGINEER : JASON STULTS
SQUAD LEADER : GREG EAGLIN
DESIGNER : MATTHEW MURPHY

CONTRACT NO. 70534

GROSS LENGTH = 134.0 FT. = 0.025 MILE
NET LENGTH = 134.0 FT. = 0.025 MILE

D-95-053-06

LOCATION OF SECTION INDICATED THUS:- ■

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 17 20 14
W A Hamilton
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Jan 30 20 15
John D. Baranzelli, P.E. /ka
acting ENGINEER OF DESIGN AND ENVIRONMENT
Jan 30 20 15
Omer Osman P.E. /ka
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	LIST OF STANDARDS
3	GENERAL NOTES
4-6	SUMMARY OF QUANTITIES
7-8	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
9-11	SCHEDULE OF QUANTITIES
12-14	PLAN & PROFILE SHEETS
15-18	DETOUR SIGNING SHEETS
19	SEEDING AND EROSION CONTROL PLAN
20-40	STRUCTURE PLANS
41-46	AS-BUILT PLANS
47	DETAIL FOR TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD / STREET CLOSURES)
48-51	DETAIL FOR PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
52-85	CROSS SECTIONS

LIST OF STANDARDS

STANDARD NO.	NAME OF STANDARD
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-11	BRIDGE APPROACH PAVEMENT CONNECTOR
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
542401-01	METAL END SECTION FOR PIPE CULVERTS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
610001-06	SHOULDER INLET WITH CURB
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-13	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
667101-02	PERMANENT SURVEY MARKERS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-04	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS
LIST OF STANDARDS

SCALE: 20 | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	2
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

G. N. -100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G. N. -100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G. N. -105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G. N. -107.37
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTLILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800) 892-0123 OR 811.

G. N. -250C
SEEDING, CLASS 7 AND MULCH, METHOD 2 IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SHOULDERS DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE CLASS 7 SEEDING AND MULCH WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SHOULDERS AT THE TIME OF THEIR COMPLETION.

G. N. -280
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH AT THE TIME OF THEIR COMPLETION.

G. N. -406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G. N. 406H
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	Old US 66
Mixture Use	HMA Surface, Flex Connector and HMA Shoulder **
AC/PG	PG 64-22
Design Air Voids	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5
Friction Aggregate	Mix C
Mixture Weight	112
Quality Management Program	QC/QA
Sublot Size	N.A.

** NOTE:
IL 19.0 FG MAY BE USED AT THE CONTRACTOR'S OPTION, FOR THE FLEXIBLE CONNECTOR AND BOTTOM LIFT OF SHOULDER.

G. N. -631
IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE MOUNTING METHOD OF THRU DRILLING THE MOUNTING HOLES FOR THE TRAFFIC BARRIER TERMINALS, TYPE 6, THE HOLES SHALL BE DRILLED USING A CORE DRILL. A HAMMER DRILL WILL NOT BE ALLOWED.

G. N. -667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC•S, PT•S, AND PI•S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G. N. -781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES

G. N. -1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G. N. -Z0038
AN ALUMINUM TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED

COMMITMENTS:
THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: 20 | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-R8-21)BR	MCLEAN	85	3
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

SHEET 1 OF 3

LOCATION OF WORK: FAS 1488 (OLD US 66)
2 LANE RURAL
COUNTY: MCLEAN COUNTY
STA. 159+04.32
STA. 160+38.32
FUNDING BREAKOUT: 80% FEDERAL
20% STATE
CONSTRUCTION CODE: 0011

CODE #	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	155.0
25000210	SEEDING, CLASS 2A	ACRE	0.5
25000350	SEEDING, CLASS 7	ACRE	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45.0
25100115	MULCH, METHOD 2	ACRE	0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50.0
28000305	TEMPORARY DITCH CHECKS	FOOT	24.0
28000400	PERIMETER EROSION BARRIER	FOOT	1310.0
28100111	STONE RIPRAP, CLASS A6	SQ YD	2894.0
28200200	FILTER FABRIC	SQ YD	2894.0

12

LOCATION OF WORK: FAS 1488 (OLD US 66)
2 LANE RURAL
COUNTY: MCLEAN COUNTY
STA. 159+04.32
STA. 160+38.32
FUNDING BREAKOUT: 80% FEDERAL
20% STATE
CONSTRUCTION CODE: 0011

CODE #	ITEM	UNIT	TOTAL QUANTITY
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	43.0
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	687.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	107.0
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	50.0
44000100	PAVEMENT REMOVAL	SQ YD	326.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"	SQ YD	950.0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	475.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	30.0
48203100	HOT-MIX ASPHALT SHOULDERS	TON	76.0
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.0
50104400	CONCRETE HEADWALL REMOVAL	EACH	2.0
50105220	PIPE CULVERT REMOVAL	FOOT	62.0

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: 20 | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	4
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

SHEET 2 OF 3

LOCATION OF WORK: FAS 1488 (OLD US 66)
2 LANE RURAL
COUNTY: MCLEAN COUNTY
STA. 159+04.32
STA. 160+38.32
FUNDING BREAKOUT: 80% FEDERAL
20% STATE
CONSTRUCTION CODE: 0011

CODE #	ITEM	UNIT	TOTAL QUANTITY
50200100	STRUCTURE EXCAVATION	CU YD	96.0
50300100	FLOOR DRAINS	EACH	14.0
50300225	CONCRETE STRUCTURES	CU YD	87.5
50300255	CONCRETE SUPERSTRUCTURE	CU YD	307.3
50300260	BRIDGE DECK GROOVING	SQ YD	642.0
50300300	PROTECTIVE COAT	SQ YD	825.0
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1.0
50500505	STUD SHEAR CONNECTORS	EACH	1188.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	77290.0
51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	473.0
51202305	DRIVING PILES	FOOT	473.0
51203200	TEST PILE METAL SHELLS	EACH	1.0

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*SPECIALTY ITEMS

LOCATION OF WORK: FAS 1488 (OLD US 66)
2 LANE RURAL
COUNTY: MCLEAN COUNTY
STA. 159+04.32
STA. 160+38.32
FUNDING BREAKOUT: 80% FEDERAL
20% STATE
CONSTRUCTION CODE: 0011

CODE #	ITEM	UNIT	TOTAL QUANTITY
51204650	PILE SHOES	EACH	12.0
51500100	NAME PLATES	EACH	1.0
52100520	ANCHOR BOLTS, 1"	EACH	24.0
54215547	METAL END SECTIONS 12"	EACH	2.0
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	123.0
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4.0
60100945	PIPE DRAINS 12"	FOOT	75.0
60500050	REMOVING CATCH BASINS	EACH	4.0
60900515	CONCRETE THRUST BLOCKS	EACH	1.0
61000335	TYPE G INLET BOX, STANDARD 610001	EACH	2.0
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	75.0
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	850.0

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*SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	5
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SHEET 3 OF 3

LOCATION OF WORK: FAS 1488 (OLD US 66)
2 LANE RURAL
COUNTY: MCLEAN COUNTY
STA. 159+04.32
STA. 160+38.32
FUNDING BREAKOUT: 80% FEDERAL
20% STATE
CONSTRUCTION CODE: 0011

	CODE #	ITEM	UNIT	TOTAL QUANTITY
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4.0
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0
	63200310	GUARDRAIL REMOVAL	FOOT	612.0
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	8.0
	67100100	MOBILIZATION	L SUM	1.0
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1240.0
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5.0
*	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	2.0
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	22.0
*	78200530	BARRIER WALL MARKERS, TYPE C	EACH	6.0
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4.0
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4.0

* SPECIALTY ITEMS

LOCATION OF WORK: FAS 1488 (OLD US 66)
2 LANE RURAL
COUNTY: MCLEAN COUNTY
STA. 159+04.32
STA. 160+38.32
FUNDING BREAKOUT: 80% FEDERAL
20% STATE
CONSTRUCTION CODE: 0011

CODE #	ITEM	UNIT	TOTAL QUANTITY
X0325405	FILL EXISTING STORM SEWERS	CU YD	20.0
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	300.0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0
Z0016702	DETOUR SIGNING	L SUM	1.0
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	2.0
Z0038700	PERMANENT BENCH MARKS	EACH	1.0
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	184.0

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

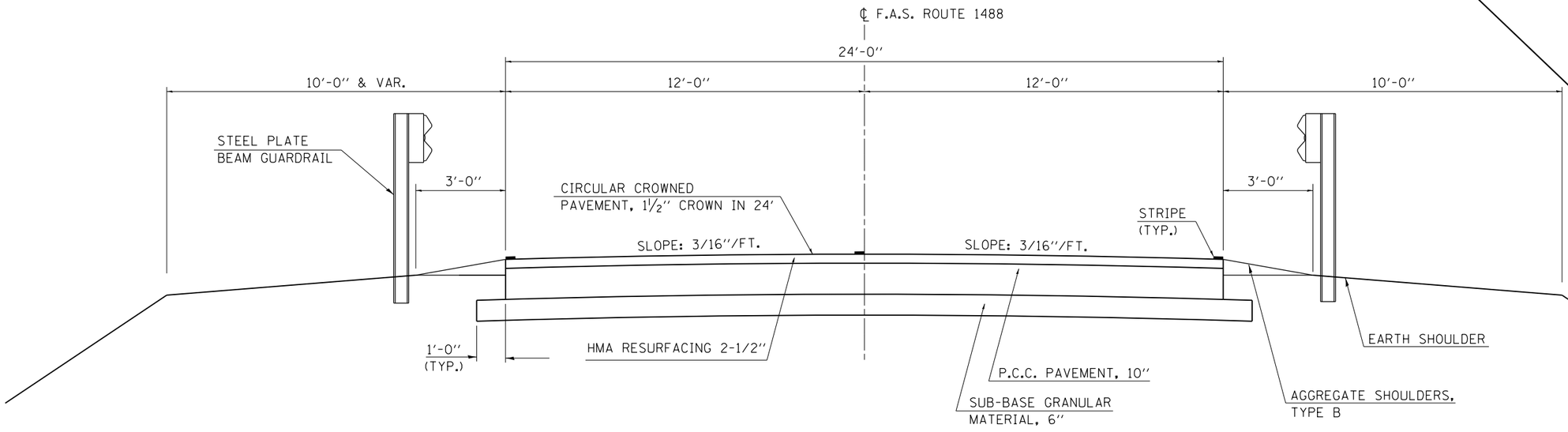
SUMMARY OF QUANTITIES

SCALE: 20 | SHEET 3 OF 3 SHEETS | STA. | TO STA.

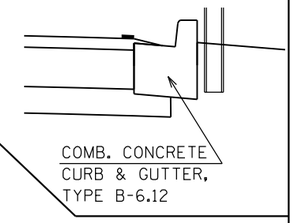
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	117-RB-2)BR	MCLEAN	85	6
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			

Ⓐ EXISTING TYPICAL CROSS SECTION

STATION	TO	STATION
157+00.00		159+07.90 Ⓑ
Ⓑ 160+34.73		162+50.00



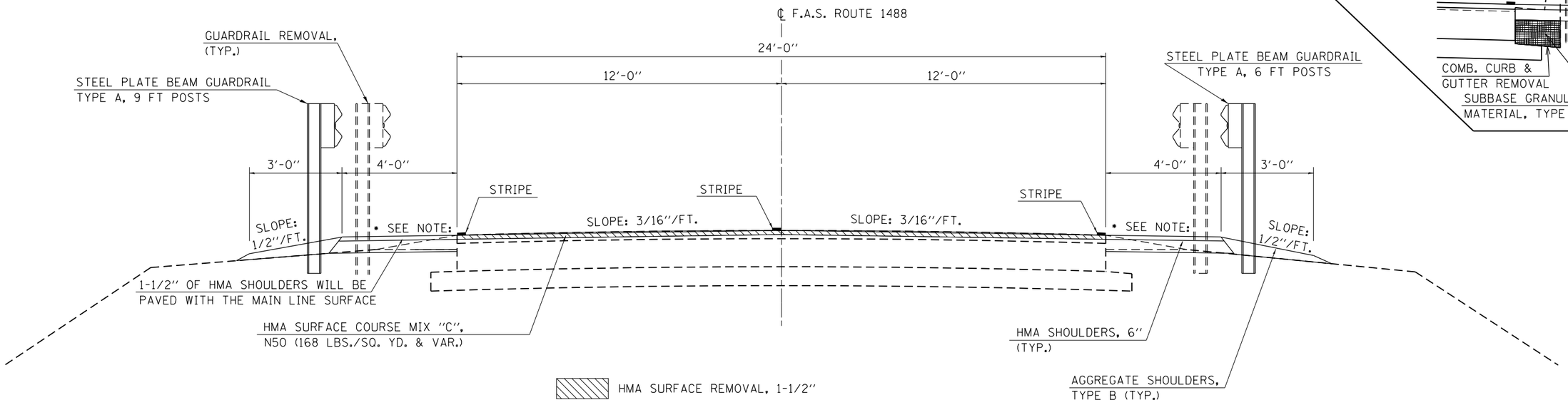
STATION	TO	STATION
157+88.0 LT		158+99.0 LT
158+04.0 RT		159+16.0 RT
160+26.0 LT		161+52.0 LT
160+43.0 RT		161+69.0 RT



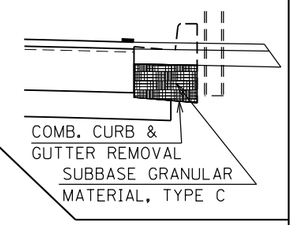
* NOTE:
SLOPE ON THE APPROACH PAVEMENT AND FLEXIBLE CONNECTOR SHALL BE 3/4''/ FT. THE SLOPE WILL THEN VARY FROM 3/4''/FT. TO 3/16''/FT. TO MATCH THE EXISTING PAVEMENT SLOPE AT THE END OF THE PROJECT LIMITS.

① PROPOSED TYPICAL CROSS SECTION

STATION	TO	STATION
157+00.00		159+04.32 ②
② 160+38.32		162+50.00



STATION	TO	STATION
157+88.0 LT		158+99.0 LT
158+04.0 RT		159+16.0 RT
160+26.0 LT		161+52.0 LT
160+43.0 RT		161+69.0 RT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

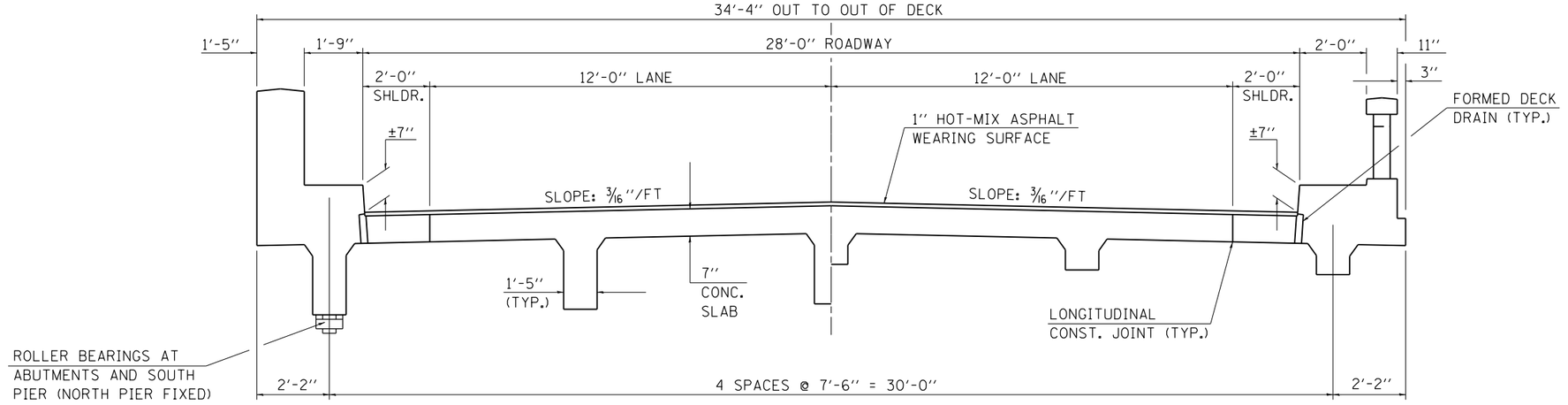
SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	7
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

Ⓑ EXISTING BRIDGE CROSS SECTION

STATION Ⓐ 159+07.90 TO STATION 160+34.73 Ⓑ

℄ F.A.S. ROUTE 1488

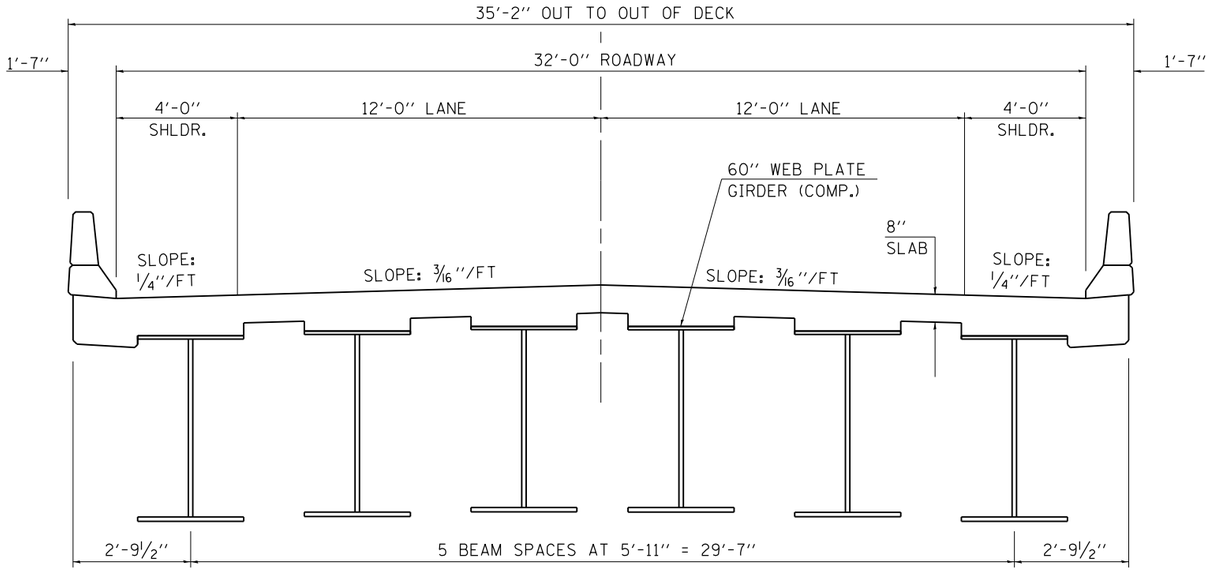


NEAR SUPPORTS NEAR MID-SPAN

② PROPOSED BRIDGE CROSS SECTION

STATION Ⓐ 159+04.32 TO STATION 160+38.32 Ⓑ

℄ F.A.S. ROUTE 1488



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	PLOT DATE = 10/17/2014	DATE - 02/08/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	8
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

28000400 PERIMETER EROSION BARRIER

OFFSET LEFT	STATION NORTH	OFFSET RIGHT	OFFSET LEFT	STATION SOUTH	OFFSET RIGHT	RIGHT
50.0′	163+00					
	161+55	122.0′		159+98	91.0′	
	161+50	125.5′		159+95	78.0′	102.0′
	161+40	131.5′		159+90	67.5′	113.0′
	161+30	137.5′		159+80	49.0′	123.0′
	161+20	139.5′		159+70	30.0′	129.0′
	161+10	141.0′		159+60	11.0′	135.0′
	161+00	141.0′	7.0′	159+50		142.0′
	160+90	139.5′	27.0′	159+40		148.0′
	160+80	137.0′	42.5′	159+30		
	160+70	132.0′	51.0′	159+20		
	160+60	126.0′	55.5′	159+10		
	160+50	116.5′	56.5′	159+00		
	160+40	101.5′	119.3′	158+60		
	160+30	82.5′	50.0′	156+25		
	160+20	62.5′				
	160+10	44.5′				
63.4′	160+00	26.0′				
57.5′	159+90	6.5′				
43.0′	159+80					
29.0′	159+76.5					
122.6′	159+69					

TOTAL NORTH	TOTAL SOUTH	WETLAND AREA	FOOT
325.00	270.00	715.00	

PERIMETER EROSION BARRIER TOTAL: 1310.0

40600275 BITUMINOUS MATERIAL (PRIMECOAT)

STATION	TO	STATION	POUND
157+00.00		158+74.32	309.9
160+38.32		162+50.00	376.3
		TOTAL:	686.2
		USE:	687.0

40603310 HOT-MIT ASPHALT SURFACE COURSE MIX "C", N 50

STATION	TO	STATION	TON
157+00.00		158+74.32	52.06
160+38.32		162+50.00	54.26
		TOTAL:	106.32
		USE:	107.00

42001430 BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

STATION	TO	STATION	SQ YDS
158+68.32		158+74.32	24.66
160+68.32		160+74.32	24.66
		TOTAL:	49.32
		USE:	50.00

44000155 HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"

STATION	TO	STATION	SQ YDS
157+00.00		158+74.32	464.85
160+68.32		162+50.00	484.48
		TOTAL:	949.33
		USE:	950.00

44000500 COMBINATION CURB AND GUTTER REMOVAL

STATION	OFFSET	TO	STATION	OFFSET	FOOT
157+88.	LT.		158+99.	LT.	111.0
160+26.	LT.		161+52.	LT.	126.0
158+04.	RT.		159+16.	RT.	112.0
160+43.	RT.		161+69.	RT.	126.0
				TOTAL:	475.0

48203100 HOT-MIX ASPHALT SHOULDERS

STATION	OFFSET	TO	STATION	OFFSET	TON
157+00.	RT.		158+61.	RT.	20.49
157+00.	LT.		158+77.	LT.	18.71
160+73.	RT.		162+50.	RT.	19.49
160+59.	LT.		162+50.	LT.	21.39
				TOTAL:	75.26
				USE:	76.00

50100100 REMOVE EXISTING STRUCTURE

STATION	TO	STATION	EACH
159+07.90		160+34.73	1.0

48101200 AGGREGATE SHOULDER TYPE, B

STATION	OFFSET	TO	STATION	OFFSET	TON
157+00.	RT.		158+61.	RT.	7.09
157+00.	LT.		158+77.	LT.	7.81
160+73.	RT.		162+50.	RT.	7.75
160+59.	LT.		162+50.	LT.	6.89
				TOTAL:	29.54
				USE:	30.00

50104400 CONCRETE HEADWALL REMOVAL

STATION	OFFSET	EACH
159+06.	29.5′ RT.	1.0
161+67.	29.5′ RT.	1.0
	TOTAL:	2.0

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	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -		
Default	PLOT DATE = 10/17/2014	CHECKED -	REVISED -		
		DATE -	REVISED -		SCALE: 20 SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	9
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

50105220 PIPE CULVERT REMOVAL

STATION	OFFSET	TO	STATION	OFFSET	FOOT
159+06.	13.50' RT.		159+06.	9.50' RT.	16.0
159+06.	33.81' RT.		159+35.	9.20' RT.	30.0
161+67.	13.50' RT.		161+67.	9.50' RT.	16.0
				TOTAL:	62.0

60500050 REMOVE CATCH BASINS

STATION	OFFSET	EACH
158+90.	13.5' LT.	1.0
159+06.	13.5' RT.	1.0
161+52.	13.5' LT.	1.0
161+68.	13.5' LT.	1.0
	TOTAL:	4.0

60900515 CONCRETE THRUST BLOCKS

STATION	OFFSET	EACH
160+68.	57.5' LT.	1.0
	TOTAL:	1.0

X0325405 FILL EXISTING STORM SEWERS

STATION	OFFSET	TO	STATION	OFFSET	CU YD
158+90.	13.5' LT.		159+06.	13.5' RT.	10.0
161+52.	13.5' LT.		161+68.	13.5' RT.	10.0
				TOTAL:	20.0

61000335 TYPE G INLET BOX, STD 610001

STATION	OFFSET	EACH
160+68.	13.0' LT.	1.0
160+87.4	13.0' RT.	1.0
	TOTAL:	2.0

44000100 PAVEMENT REMOVAL

STATION	TO	STATION	SQ YDS
158+68.32		159+07.90	162.67
160+34.73		160+74.32	162.71
		TOTAL:	325.38
		USE:	326.00

60100945 PIPE DRAINS 12"

STATION	OFFSET	TO	STATION	OFFSET	FOOT
160+68.	13.5' LT.		160+68.	60.0' LT.	59.39
160+87.4	13.5' RT.		160+87.4	35.0' RT.	14.74
				TOTAL:	74.14
				USE:	75.00

54215547 METAL END SECTIONS 12"

STATION	OFFSET	EACH
160+68.	60.0' LT.	1.0
160+87.4	35.0' RT.	1.0
	TOTAL:	2.0

63200310 GUARDRAIL REMOVAL

STATION	OFFSET	TO	STATION	OFFSET	FOOT
157+58.	LT.		158+99.	LT.	141.0
160+00.	LT.		161+66.	LT.	141.0
157+77.	RT.		159+18.	RT.	141.0
160+45.	RT.		161+88.	RT.	143.0
159+16.	18' RT.		159+33.	46' RT.	33.0
160+45.	18' RT.		160+53.	30' RT.	13.0
				TOTAL:	612.0

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

STATION	OFFSET	TO	STATION	OFFSET	EACH
157+38.	RT.		157+88.	RT.	1.0
155+73.	LT.		156+23.	LT.	1.0
167+08.	LT.		167+58.	LT.	1.0
161+02.	RT.		161+52.	RT.	1.0
				TOTAL:	4.0

63100085 TRAFFIC BARRIER TERMINAL, TYPE 6

STATION	OFFSET	TO	STATION	OFFSET	EACH
158+58.	RT.		159+02.1	RT.	1.0
158+38.	LT.		158+83.	LT.	1.0
160+40.	RT.		160+83.	RT.	1.0
160+58.91	LT.		161+02.	LT.	1.0
				TOTAL:	4.0

63000003 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS

STATION	OFFSET	TO	STATION	OFFSET	FOOT
156+23.	LT.		158+38.	LT.	225.0
160+83.	LT.		167+49.	LT.	625.0
				TOTAL:	850.0

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A 6 FOOT POSTS

STATION	OFFSET	TO	STATION	OFFSET	FOOT
157+88.	RT.		158+58.	RT.	75.0
				TOTAL:	75.0

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: 20 | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	10
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

78001110 PAINT PAVEMENT MARKING LINE 4"

EDGE LINE

STATION	OFFSET	TO	STATION	OFFSET	FOOT
157+00.	RT.		162+50.	RT.	550.0
157+00.	LT.		162+50.	LT.	550.0

CENTER SKIP DASH

STATION	OFFSET	TO	STATION	OFFSET	
157+00.	C.L.		162+50.	C.L.	137.5
				TOTAL:	1237.5
				USE:	1240.0

78100100 RAISED REFLECTIVE PAVEMENT MARKER

STATION	OFFSET	TO	STATION	OFFSET	EACH
157+00.	C.L.		162+50.	C.L.	5.0

78100105 RAISED REFLECTIVE PAVEMENT MARKER BRIDGE

STATION	OFFSET	TO	STATION	OFFSET	EACH
159+04.	C.L.		160+38.	C.L.	2.0

78200410 GUARDRAIL MARKER TYPE A

STATION	OFFSET	TO	STATION	OFFSET	EACH
157+38.	RT.		159+16.	RT.	4.0
155+73.	LT.		158+99.	LT.	4.0
160+27.	LT.		167+58.	LT.	10.0
160+44.	RT.		161+52.	RT.	4.0
				TOTAL:	22.0

78200530 BARRIER WALL MARKERS TYPE C

STATION	OFFSET	TO	STATION	OFFSET	EACH
159+04.	LT.		160+38.	LT.	3.0
159+04.	RT.		160+38.	RT.	3.0
				TOTAL:	6.0

78201000 TERMINAL MARKER DIRECT APPLIED

STATION	OFFSET	EACH
157+38.	RT.	1.0
155+73.	LT.	1.0
167+58.	LT.	1.0
161+52.	RT.	1.0
	TOTAL:	4.0

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STATION	TO	STATION	EACH
157+00.00		162+50.	4.0

EARTH WORK TABLE

LOCATION	EARTH EXCAVATION	EMBANKMENT	SHRINKAGE	WASTE
	CU. YD.	CU. YD.	CU. YD.	CU. YD.
STA. 160+50.00 TO STA. 162+25.00	125.60	9.00	94.20	85.20
STA. 157+00.00 TO STA. 159+00.00	28.70	10.10	21.53	11.43
TOTAL:	154.30	19.10	115.73	96.63

EARTH EXCAVATION TOTAL USE: 155.00

NOTES:
THE SHRINKAGE FACTOR USED IS 25%.
SHRINKAGE , EMBANKMENT, AND WASTE DATA IS FOR INFORMATION ONLY.

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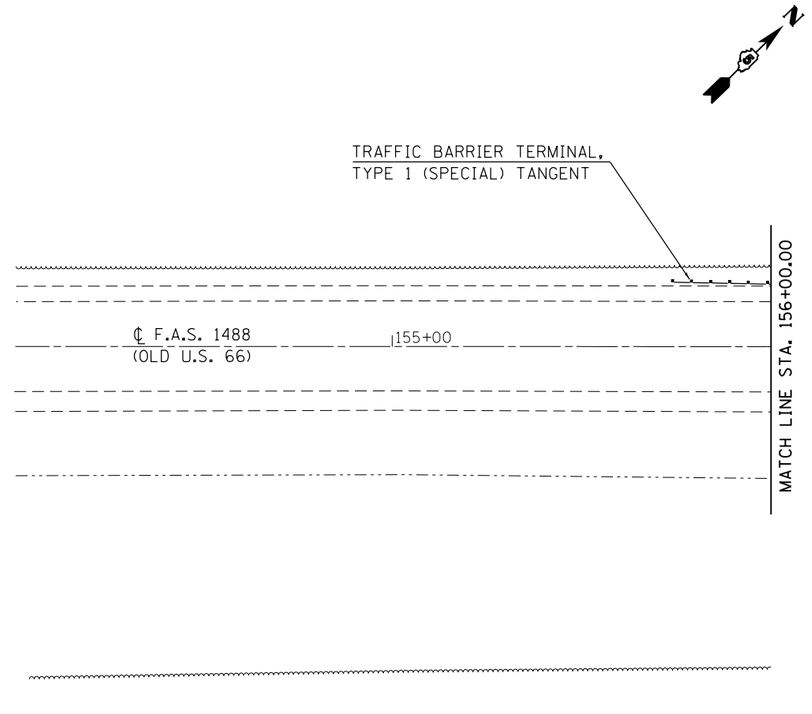
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: 20 | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	11
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			

SEC. 17, T. 22 N., R. 1 E., 3RD. P.M.



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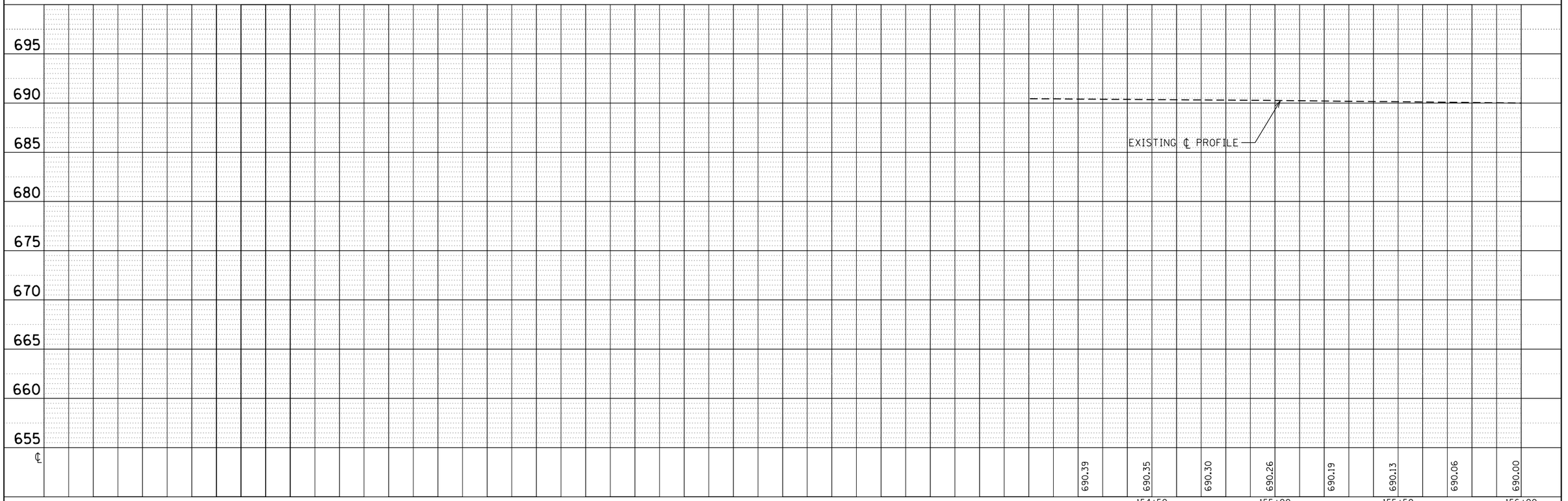

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEETS

SCALE: 40 | SHEET 1 OF 3 SHEETS | STA. 154+00 | TO STA. 156+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	84	12

CONTRACT NO. 70534

ILLINOIS FED. AID PROJECT

SEC. 17, T. 22 N., R. 1 E., 3RD. P.M.

EXISTING WET LAND AREA

TIMBER CREEK

EXISTING S.N. 057-0003
℄ F.A.S. ROUTE 1488 STA. 159+71.32
3-SPAN CONCRETE CONTINUOUS T-BEAM SUPERSTRUCTURE ON PILE BENT CONCRETE PIERS AND ABUTMENTS 34'-4'' OUT TO OUT DECK AND 126'-10'' BK TO BK ABUTMENTS

EXISTING WET LAND AREA

EXISTING R.O.W. LINE

PROPOSED S.N. 057-0243
℄ STATION 159+71.32
60'' WEB PLATE GIRDER (COMP.)
134'-0'' BK.-B.K. ABUTMENTS
SINGLE SPAN, 30° RF SKEW, INTEGRAL ABUTMENTS

REMOVING CATCH BASINS, (TYP.)

TRAFFIC BARRIER TERMINAL, TYPE 6, (TYP.)

STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (LT. SIDE)

COMBINATION CURB & GUTTER REMOVAL, (TYP.)

FILL EXISTING STORM SEWERS (10'')

MATCH LINE STA. 156+00.00

MATCH LINE STA. 162+00.00

156+00 ℄ F.A.S. 1488 (OLD U.S. 66) 157+00 158+00 159+00 160+00 161+00 ℄ F.A.S. 1488 (OLD U.S. 66)

4' 12' 12' 16' 16' 35'-2'' 0-0 12' 12' 4'

+00

30° TYP.

BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT (TYP)

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (RT. SIDE)

FILL EXISTING STORM SEWERS (10'')

159+04.32

12'' PIPE CULVERT REMOVAL

134'-0'' BACK TO BACK OF ABUTMENTS

160+38.32

12'' PIPE CULVERT REMOVAL & CONCRETE HEADWALL REMOVAL

12'' PIPE CULVERT REMOVAL & CONCRETE HEADWALL REMOVAL

STA. LT. 160+68.93, RT. 160+87.41
TYPE G INLET BOX, STD 610001 W/ PIPE DRAINS, 12'' AND METAL END SECTION (LT. & RT.)

THE 4'' CURB WILL EXTEND FULL HEIGHT THRU THE 6' HMA CONNECTOR PER HWY. STD. 420401 & THRU THE SHOULDER INLET W/ CURB PER HWY. STD. 610001

BENCHMARKS:

R.R. SPIKE IN P.P. STA. 158+57, 55' RT. ELEV. 690.90	CHISELED SQUARE ON THE S.W. CORNER OF THE S.E. WINGWALL ELEV. 689.64

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BM. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

EXISTING ℄ PROFILE

PROPOSED ℄ PROFILE

PROPOSED PROFILE GRADE LINE -0.21%

EXISTING RIGHT DITCH

LOW BEAM ELEV. 683.05

V.C. 7'-3'' FT.

60'' WEB PLATE GIRDER (COMP.)

EXISTING RIGHT DITCH

PROPOSED RIGHT DITCH

ELEV. ±678.38

1:2 (V:H) ot RT. T.S.

ELEV. ±678.11

DHWE 675.80

EWSE 666.5

STONE RIP RAP CLASS A6 (26'' DEPTH W/10'' BEDDING)

STREAMBED ELEV. 662.00

695 690 685 680 675 670 665 660 655

RT. DITCH

	687.71	687.60	687.48	687.37	687.26	687.14	687.02	686.90	686.78	686.47	686.16	685.84	685.52	685.53	678.85	665.14	662.52	669.31	683.26	689.06	689.03	687.01	686.92	686.84	686.75	686.67
℄	690.00	689.98	689.96	689.94	689.91	689.86	689.80	689.75	689.69	689.63	689.57	689.52	689.45	689.49	689.44	689.39	689.34	689.28	689.23	689.18	689.13	689.07	689.02	688.97	688.91	688.86

156+00 156+50 157+00 157+50 158+00 158+50 159+00 159+50 160+00 160+50 161+00 161+50 162+00

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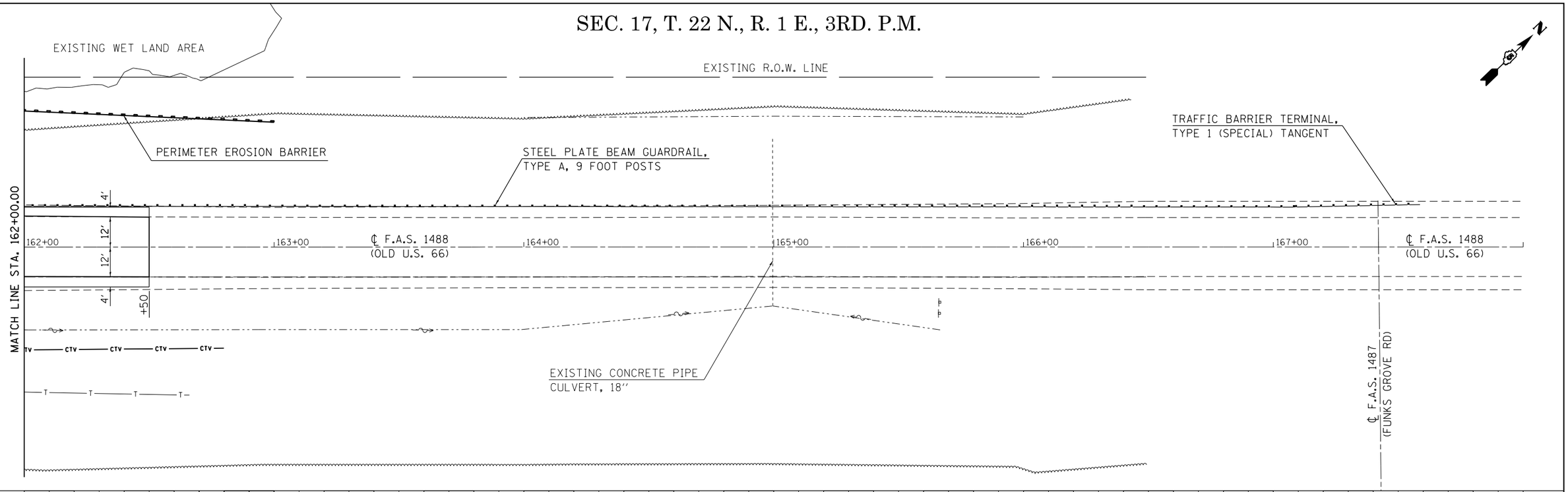
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

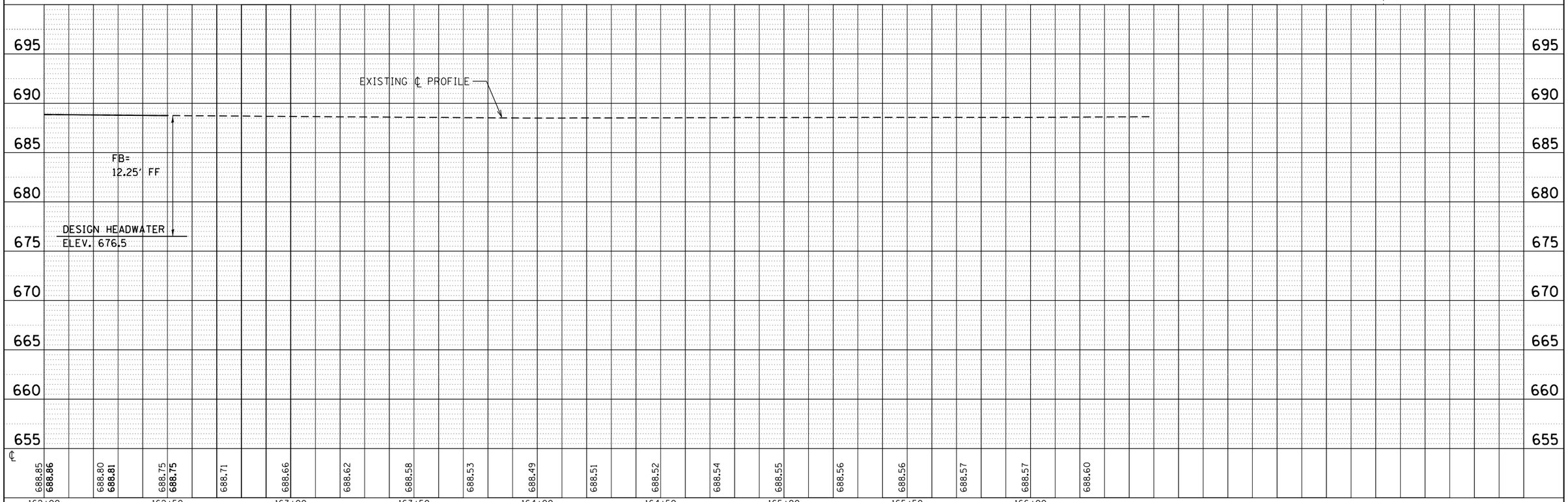
PLAN & PROFILE SHEETS

SCALE: 40 | SHEET 2 OF 3 SHEETS | STA. 156+00 | TO STA. 162+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	84	13
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			

SEC. 17, T. 22 N., R. 1 E., 3RD. P.M.





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PROFILE: SURVEYED; PLOTTED; GRADES CHECKED; BM. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

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	PLOT DATE = 10/17/2014	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEETS

SCALE: 40 | SHEET 3 OF 3 SHEETS | STA. 162+00 TO STA. 168+00

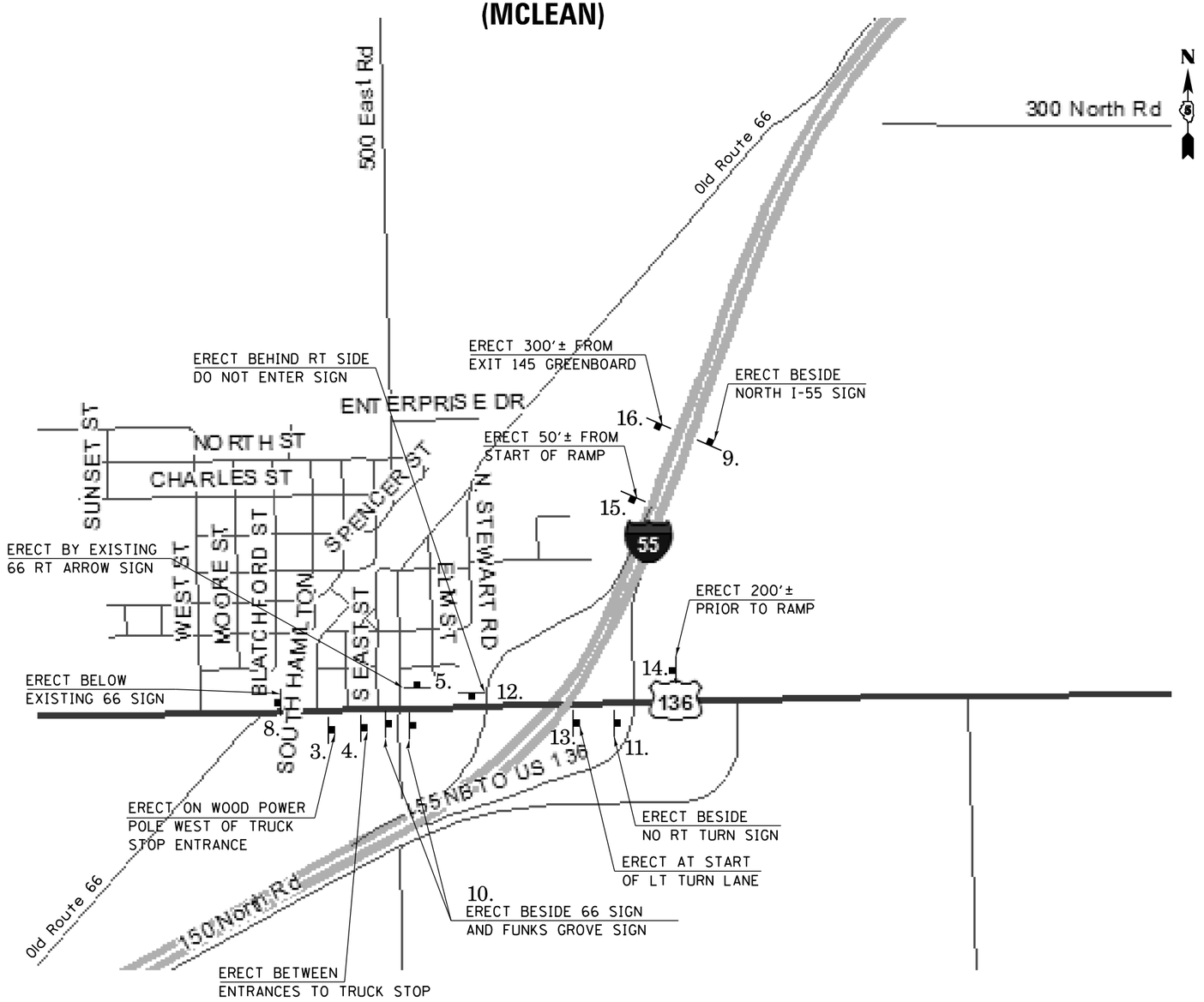
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	84	14

CONTRACT NO. 70534

ILLINOIS FED. AID PROJECT

DETOUR SIGNING DETAIL

SHEET 1 OF 4



LEGEND

2. FLASHING AMBER LIGHT (TYPE A) — ROAD CLOSED AHEAD — W20-3 (36''x36'')
3. FLASHING AMBER LIGHT (TYPE A) — ROAD CLOSED AHEAD — W20-3 (36''x36'') — W16-6P (24''x18'')
4. FLASHING AMBER LIGHT (TYPE A) — DETOUR AHEAD — W20-2 (36''x36'')
5. ROAD CLOSED AHEAD — W20-3 (36''x36'') — 3 MILES — W16-3aP (30''x12'')
6. ROAD CLOSED AHEAD — W20-3 (36''x36'') — 9 MILES — W16-3aP (30''x12'')
7. FLASHING AMBER LIGHT (TYPE A) — BARRICADE AHEAD — W20-3 (36''x36'')
8. END DETOUR — M4-8a 24''x18''
9. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'')
10. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'') — M6-3 (21''x15'')
11. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'') — M6-1 (21''x15'')
12. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'') — M6-1 (21''x15'')
13. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'') — M5-1 (21''x15'')
14. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'') — M5-1 (21''x15'')
15. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'') — M6-2 (21''x15'')
16. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'') — M5-2 (21''x15'')

NOTE:
ALL TEMPORARY TRAFFIC CONTROL SIGNS SHALL HAVE ORANGE BACKGROUND WITH BLACK LEGEND.
ALL STATE ROUTE SIGNS SHALL HAVE WHITE BACKGROUND WITH BLACK LEGEND.

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING DETAIL

SCALE: N/A | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	15

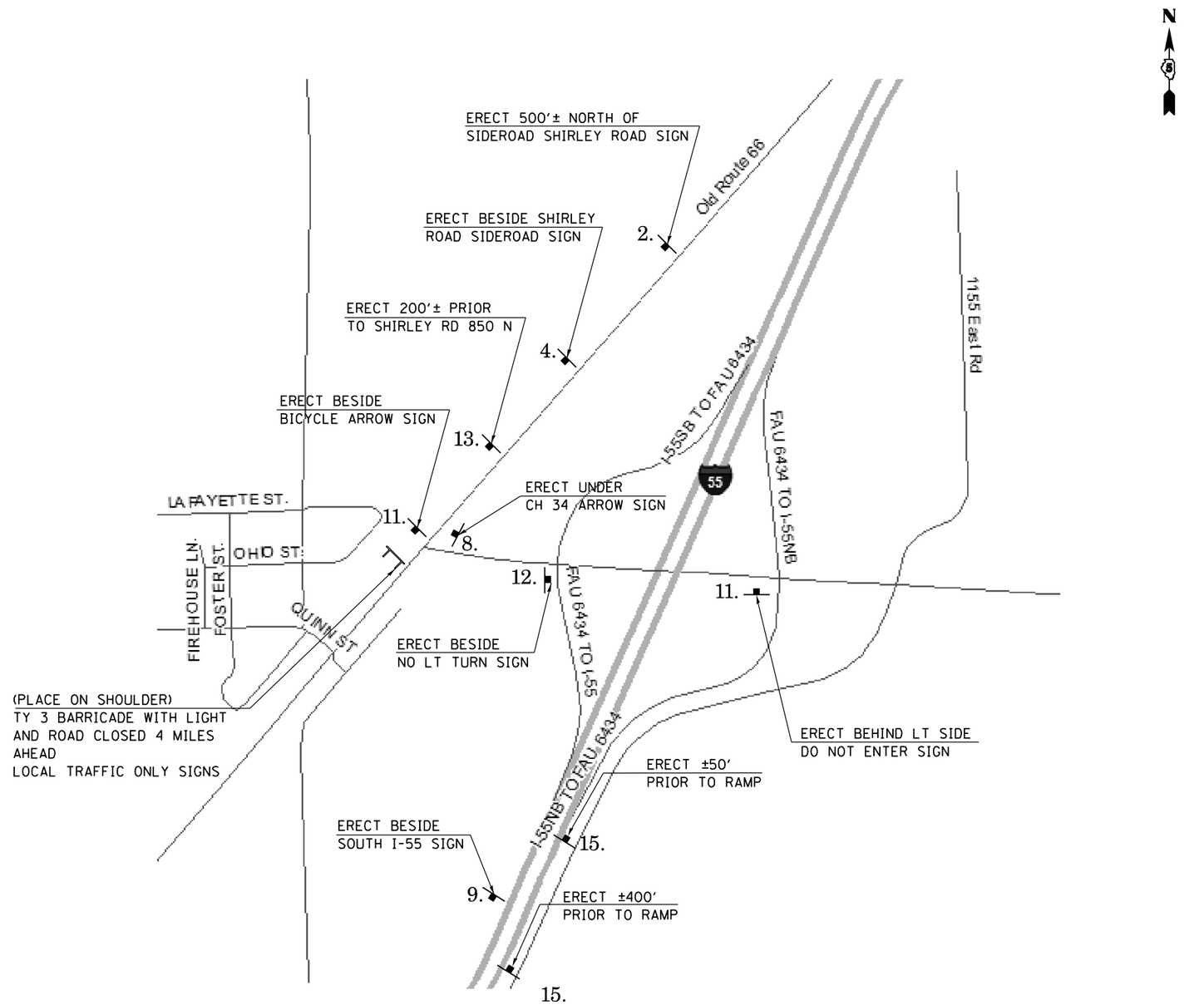
CONTRACT NO. 70534

ILLINOIS | FED. AID PROJECT

DETOUR SIGNING DETAIL

SHEET 2 OF 4

(SHIRLEY INTERCHANGE)



LEGEND

2. FLASHING AMBER LIGHT (TYPE A) — ROAD CLOSED AHEAD — W20-3 (36''x36'')
3. FLASHING AMBER LIGHT (TYPE A) — ROAD CLOSED AHEAD — W20-3 (36''x36'') — W16-6P (24''x18'')
4. FLASHING AMBER LIGHT (TYPE A) — DETOUR AHEAD — W20-2 (36''x36'')
5. ROAD CLOSED AHEAD — W20-3 (36''x36'') — 3 MILES — W16-3aP (30''x12'')
6. ROAD CLOSED AHEAD — W20-3 (36''x36'') — 9 MILES — W16-3aP (30''x12'')
7. FLASHING AMBER LIGHT (TYPE A) — BARRICADE AHEAD — W20-3 (36''x36'')
8. END DETOUR — M4-8a 24''x18''
9. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'')
10. DETOUR / OLD / 66 — M4-8 (24''x12'') — M2-1 (24''x12'') — M1-4 (24''x24'') — M6-3 (21''x15'')
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		DRAWN -	REVISED -
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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING DETAIL

SCALE: N/A | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	16

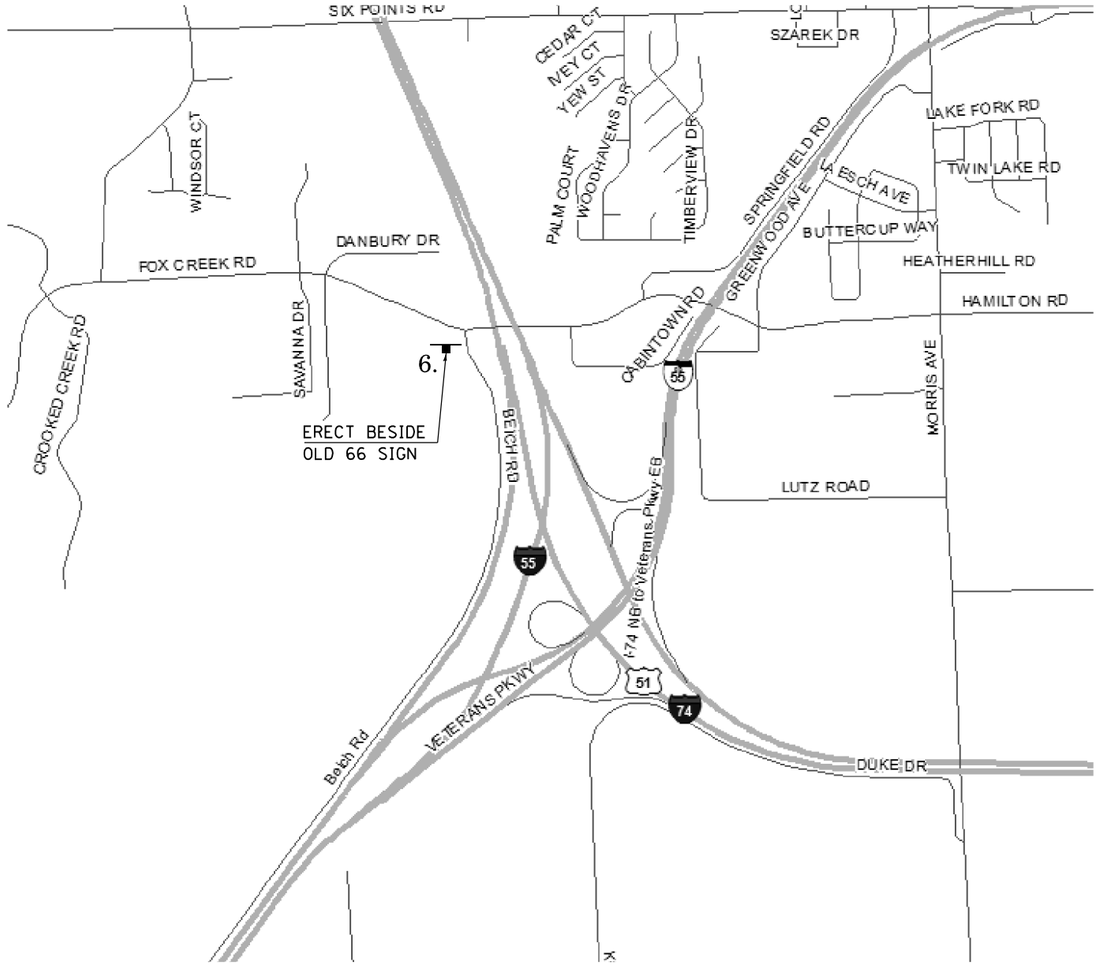
CONTRACT NO. 70534

ILLINOIS FED. AID PROJECT

DETOUR SIGNING DETAIL

SHEET 3 OF 4

(BLOOMINGTON)



LEGEND

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3. FLASHING AMBER LIGHT (TYPE A) — ROAD CLOSED AHEAD — W20-3 (36''x36'') — W16-6P (24''x18'')

4. FLASHING AMBER LIGHT (TYPE A) — DETOUR AHEAD — W20-2 (36''x36'')

5. ROAD CLOSED AHEAD — W20-3 (36''x36'') — 3 MILES — W16-3aP (30''x12'')

6. ROAD CLOSED AHEAD — W20-3 (36''x36'') — 9 MILES — W16-3aP (30''x12'')

7. FLASHING AMBER LIGHT (TYPE A) — BARRICADE AHEAD — W20-3 (36''x36'')

8. END DETOUR — M4-8a 24''x18''

9. DETOUR — M4-8 (24''x12'') — OLD — M2-1 (24''x12'') — 66 — M1-4 (24''x24'')

10. DETOUR — M4-8 (24''x12'') — OLD — M2-1 (24''x12'') — 66 — M1-4 (24''x24'') — M6-3 (21''x15'')

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16. DETOUR — M4-8 (24''x12'') — OLD — M2-1 (24''x12'') — 66 — M1-4 (24''x24'') — M5-2 (21''x15'')

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		DRAWN -	REVISED -
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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING DETAIL

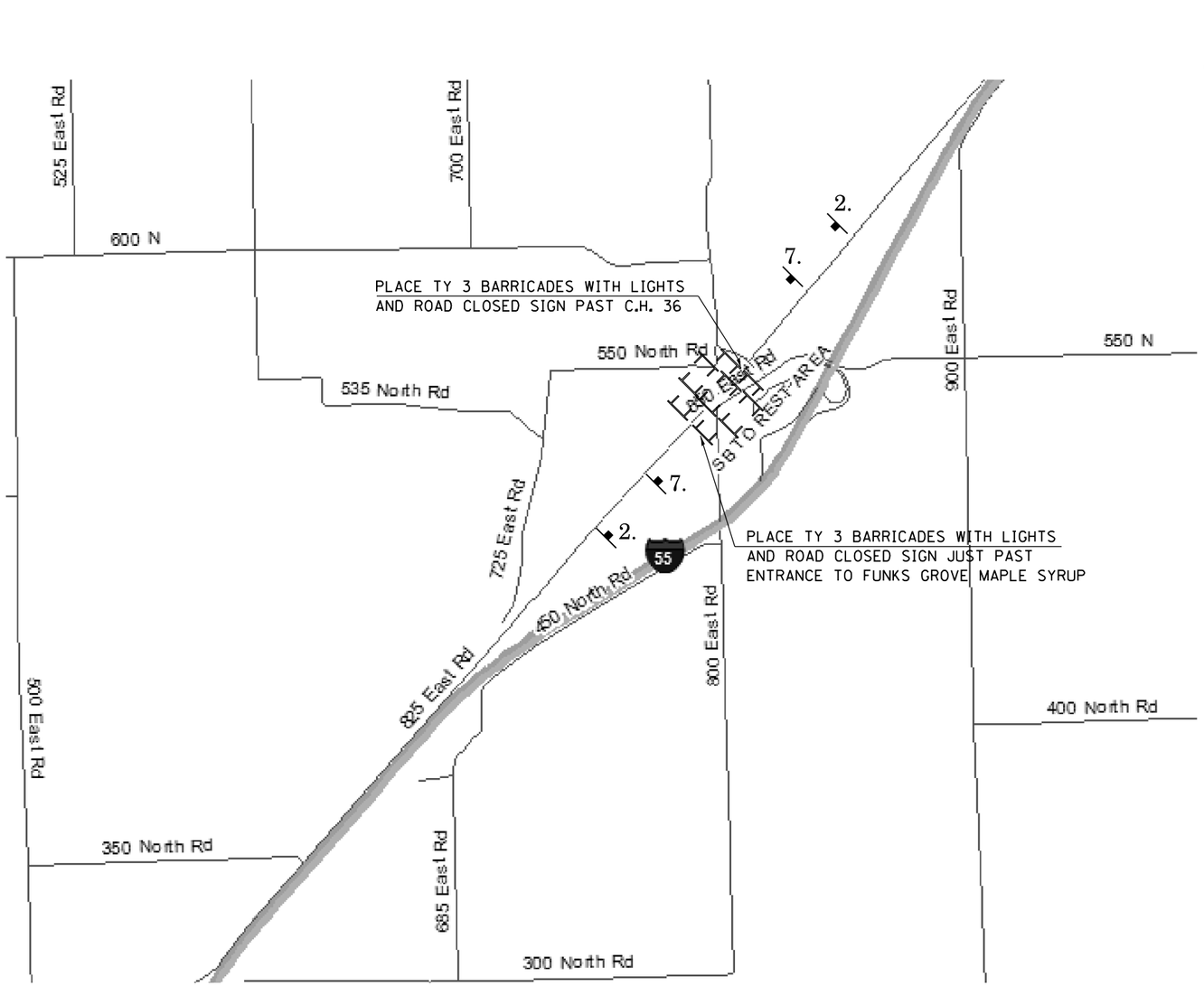
SCALE: N/A | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	17
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

DETOUR SIGNING DETAIL

SHEET 4 OF 4

(FUNKS GROVE)



LEGEND

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4. FLASHING AMBER LIGHT (TYPE A) — DETOUR AHEAD — W20-2 (36''x36'')

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6. ROAD CLOSED AHEAD — W20-3 (36''x36'') — 9 MILES — W16-3aP (30''x12'')

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING DETAIL

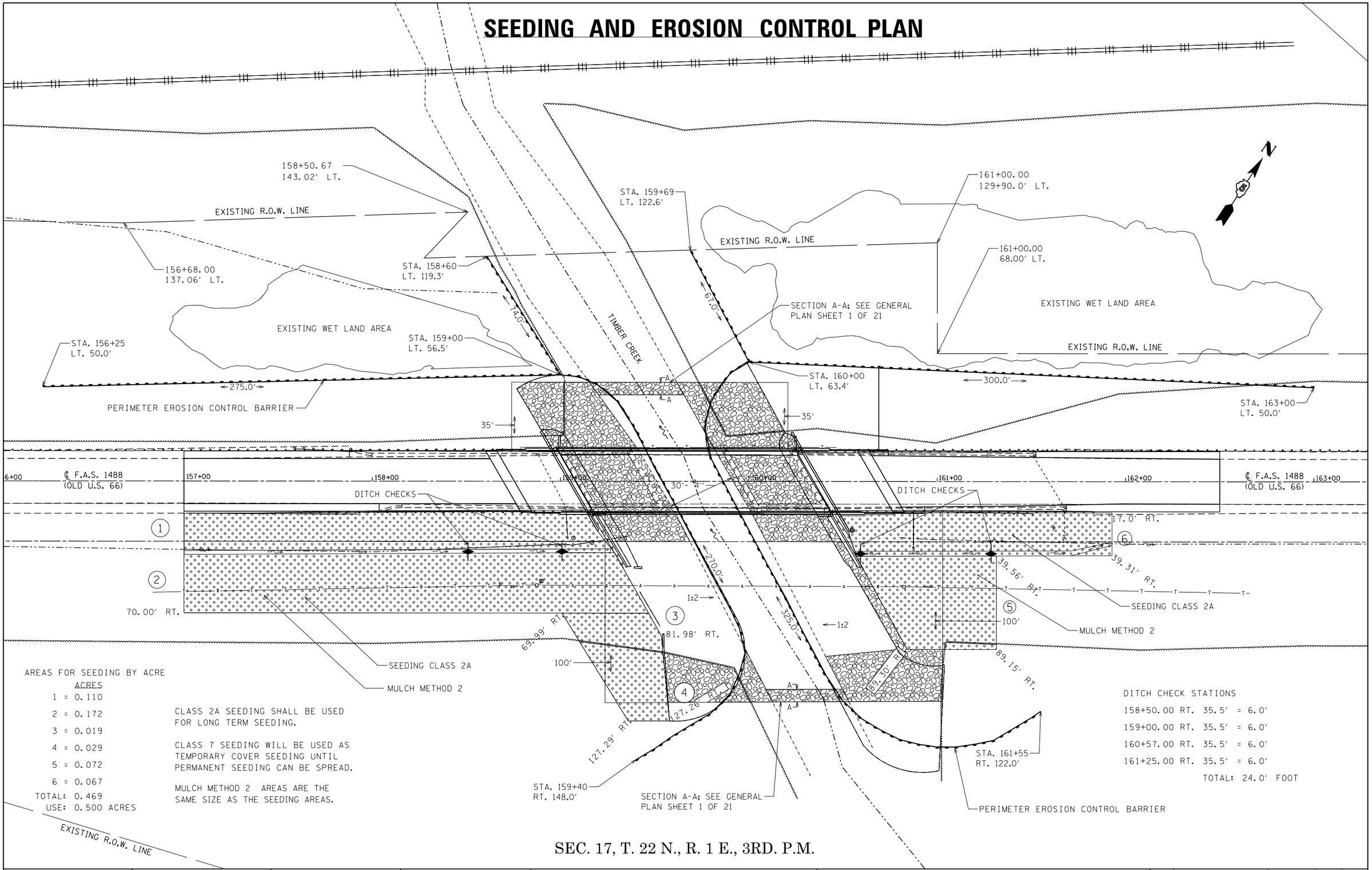
SCALE: N/A | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	18

CONTRACT NO. 70534

ILLINOIS FED. AID PROJECT

SEEDING AND EROSION CONTROL PLAN



AREAS FOR SEEDING BY ACRE

	ACRES
1 =	0.110
2 =	0.172
3 =	0.019
4 =	0.029
5 =	0.072
6 =	0.067
TOTAL:	0.469
USE:	0.500 ACRES

CLASS 2A SEEDING SHALL BE USED FOR LONG TERM SEEDING.

CLASS 7 SEEDING WILL BE USED AS TEMPORARY COVER SEEDING UNTIL PERMANENT SEEDING CAN BE SPREAD.

MULCH METHOD 2 AREAS ARE THE SAME SIZE AS THE SEEDING AREAS.

DITCH CHECK STATIONS

158+50.00	RT.	35.5'	= 6.0'
159+00.00	RT.	35.5'	= 6.0'
160+57.00	RT.	35.5'	= 6.0'
161+25.00	RT.	35.5'	= 6.0'

TOTAL: 24.0' FOOT

SEC. 17, T. 22 N., R. 1 E., 3RD. P.M.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEEDING AND EROSION CONTROL PLAN

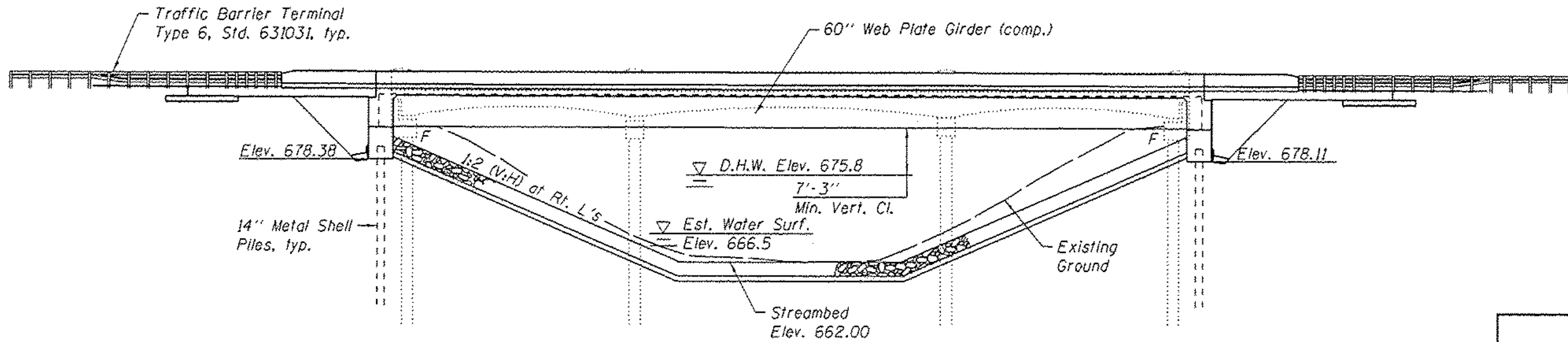
SCALE: 30 | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	19
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

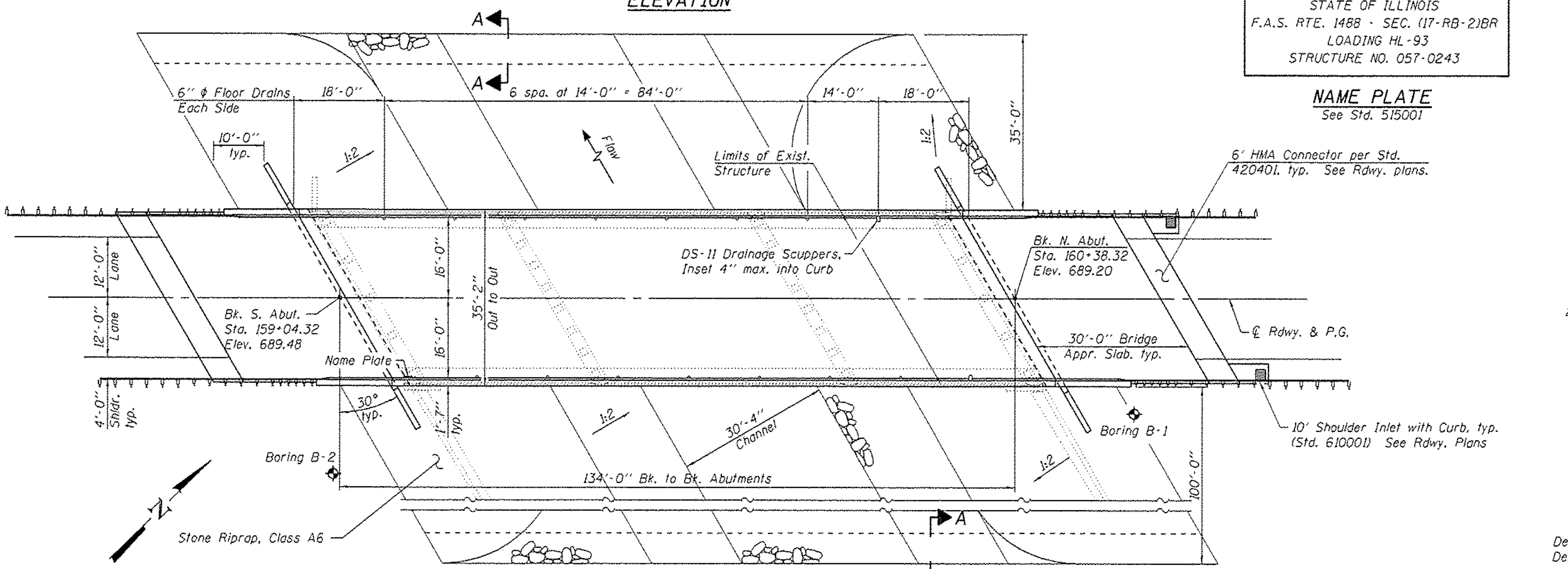
Benchmark: Chiseled square on the southwest corner of the southeast wing of Structure No. 057-0003. Elev. 689.64.

Existing Structure: S.N. 057-0003 was constructed in 1954 as F.A. Rt. 5 (S.B.I. Rt. 4), Section 17R-B-2, at Sta. 159+89.8. The bridge is a three-span concrete continuous tee-beam superstructure bearing on pile bent concrete piers and abutments, spanning 126'-10" back to back of abutments on a 30° right forward skew and measuring 34'-4" in width. The current roadway was originally constructed as the southbound lanes of a four lane divided highway, but the northbound lanes have been abandoned. The bridge was overlain with new approach rails constructed in 1998. The existing structure shall be removed and replaced under road closure with traffic detoured on marked routes.

No salvage.



ELEVATION



PLAN

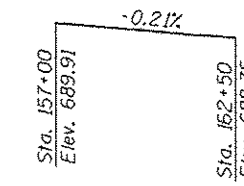
WATERWAY INFORMATION

Drainage Area = 30.2 sq. mi. Low Grade Elev. 688.75 @ Sta. 162+50									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	2790	517	636	673.8	0.5	0.3	674.3	674.1
Design	50	4500	651	799	675.8	1.1	0.7	676.9	676.5
Base	100	5260	708	869	676.6	1.3	0.9	677.9	677.5
Max. Calc.	500	7120	834	1025	678.3	1.7	1.2	680.0	679.5

10-Year Velocity = 5.36 fps (Existing)
10-Year Velocity = 4.42 fps (Proposed)

DESIGN SCOUR ELEVATION TABLE

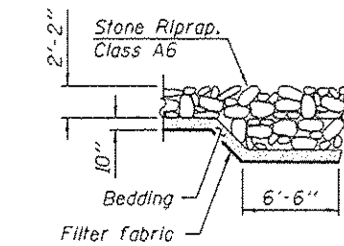
Design Scour Elevation (ft.)	S. Abut.	N. Abut.
	678.38	678.11



PROFILE GRADE
(℄ F.A.S. 1488)

STATION 159+71.32
BUILT 20 BY
STATE OF ILLINOIS
F.A.S. RTE. 1488 - SEC. (17-RB-2)BR
LOADING HL-93
STRUCTURE NO. 057-0243

NAME PLATE
See Std. 515001



SECTION A-A

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications,
6th Edition

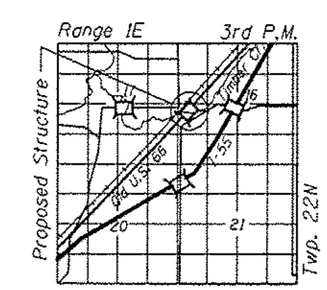
LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W)

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.089g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.156g
Soil Site Class = C

EXPIRES 11-30-2016



LOCATION SKETCH

GENERAL PLAN & ELEVATION
OLD U.S. RTE. 66 OVER TIMBER CREEK
F.A.S. RTE. 1488 - SEC. (17-RB-2)BR
MCLEAN COUNTY
STA. 159+71.32
STRUCTURE NO. 057-0243

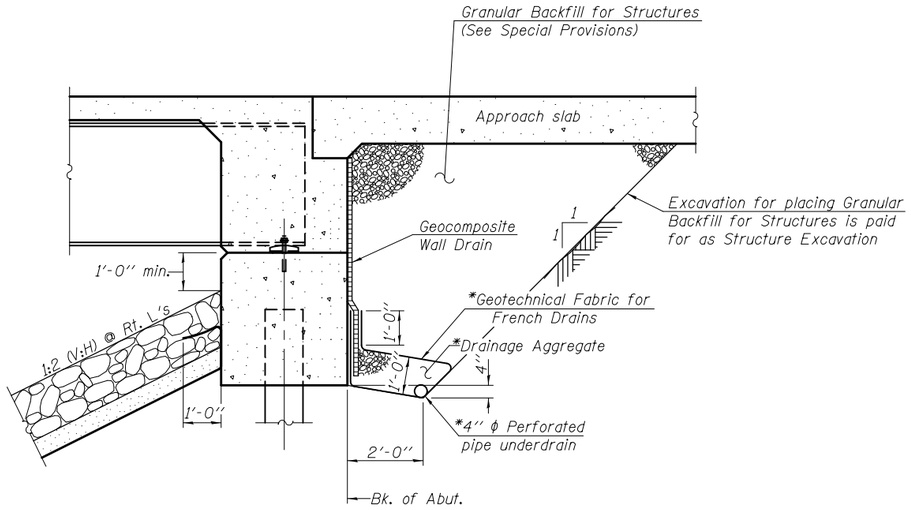
DESIGNED - [signature]	EXAMINED [signature] ACTING ENGINEER OF BRIDGE DESIGN	DATE - 12-2-2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - [signature]	PASSED [signature] ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	
DRAWN - MICHAEL S. MOSSMAN		REVISED	
CHECKED - JMD/ / GRA			

SHEET NO. 1 OF 21 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	20

CONTRACT NO. 70534

ILLINOIS FED. AID PROJECT



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures 4".

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

INDEX OF SHEETS

GENERAL NOTES

Fasteners shall be ASTM A325 Type 3. Bolts $\frac{3}{4}$ in. ϕ, holes $\frac{15}{16}$ in. ϕ, unless otherwise noted.

Calculated weight of Structural Steel = 219,160 lbs.

All structural steel shall be AASHTO M 270 Grade 50W.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete diaphragm plus 1'-6". Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

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

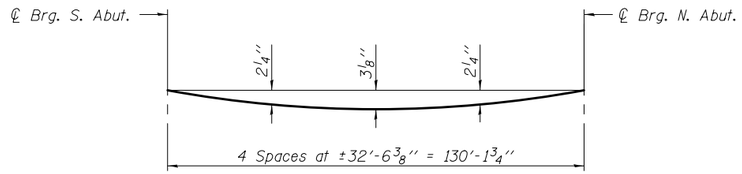
Slipforming of parapets is not allowed.

The Contractor is advised that the existing concrete superstructure is a continuous structure and removal must be done in a proper sequence, possibly with falsework support. See Special Provisions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A6	Sq. Yd.	-	2,894	2,894
Filter Fabric	Sq. Yd.	-	2,894	2,894
Removal of Existing Structures	Each	1	-	1
Structure Excavation	Cu. Yd.	-	96.0	96.0
Floor Drains	Each	14	-	14
Concrete Structures	Cu. Yd.	-	87.5	87.5
Concrete Superstructure	Cu. Yd.	307.3	-	307.3
Bridge Deck Grooving	Sq. Yd.	642	-	642
Protective Coat	Sq. Yd.	825	-	825
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	1,188	-	1,188
Reinforcement Bars, Epoxy Coated	Pound	66,470	10,820	77,290
Furnishing Metal Shell Piles 14" x 0.312"	Foot	-	473	473
Driving Piles	Foot	-	473	473
Test Pile Metal Shells	Each	-	1	1
Pile Shoes	Each	-	12	12
Name Plates	Each	1	-	1
Anchor Bolts, 1"	Each	-	24	24
Geocomposite Wall Drain	Sq. Yd.	-	123	123
Drainage Scuppers, DS-11	Each	2	-	2
Pipe Underdrains for Structures 4"	Foot	-	184	184
Granular Backfill for Structures	Cu. Yd.	-	300	300

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 057 - 0243	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - IRENE PANTOJA					1488	(17-RB-2)BR	MCLEAN	85	21
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED ___					CONTRACT NO. 70534		
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGE DESIGN ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___		SHEET NO. 2 OF 21 SHEETS			ILLINOIS FED. AID PROJECT		



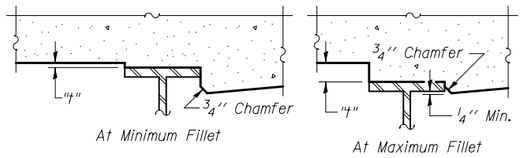
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown at right and on sheet 4 of 21.

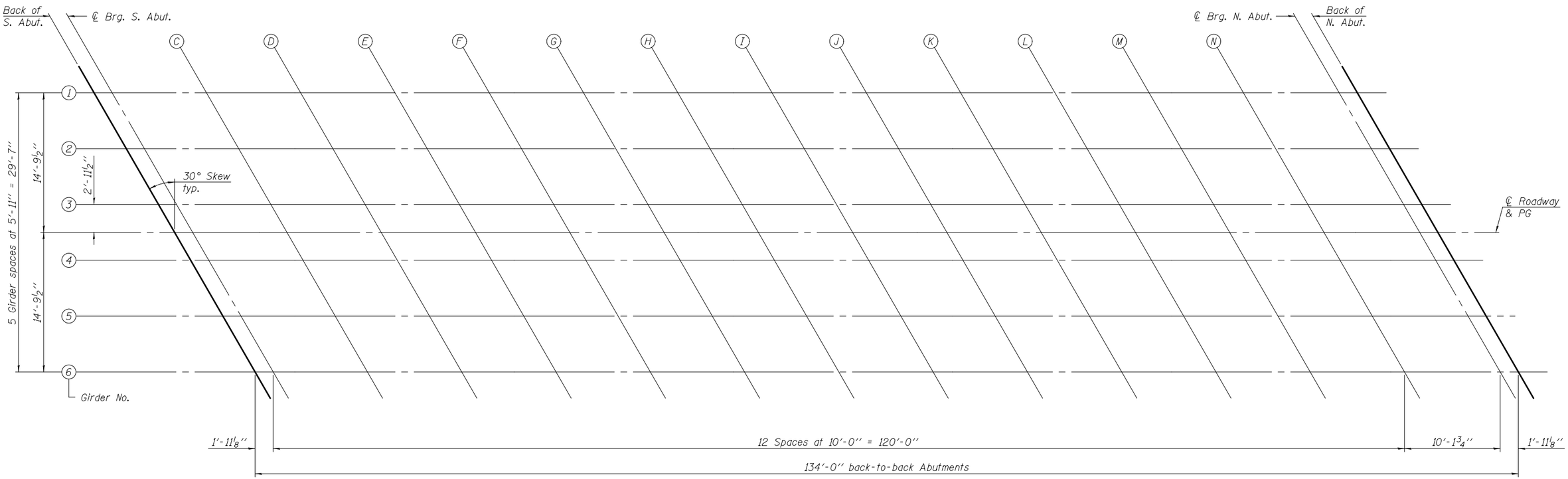
GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	158+95.78	-14.79	689.25	689.25
℄ Brg. S. Abut.	158+97.70	-14.79	689.25	689.25
C	159+07.70	-14.79	689.23	689.28
D	159+17.70	-14.79	689.21	689.32
E	159+27.70	-14.79	689.19	689.35
F	159+37.70	-14.79	689.17	689.36
G	159+47.70	-14.79	689.14	689.37
H	159+57.70	-14.79	689.12	689.37
I	159+67.70	-14.79	689.10	689.35
J	159+77.70	-14.79	689.08	689.30
K	159+87.70	-14.79	689.06	689.26
L	159+97.70	-14.79	689.04	689.21
M	160+07.70	-14.79	689.02	689.13
N	160+17.70	-14.79	689.00	689.05
℄ Brg. N. Abut.	160+27.86	-14.79	688.98	688.98
Back N. Abut.	160+29.78	-14.79	688.97	688.97



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown left and on sheet 4 of 21, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED		DATE - DECEMBER 2, 2014	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TOP OF SLAB ELEVATIONS STRUCTURE NO. 057 – 0243**	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - IRENE PANTOJA						1488	(17-RB-2)BR	MCLEAN	85	22
DRAWN - MICHAEL B. MOSSMAN	PASSED	ACTING ENGINEER OF BRIDGE DESIGN	REVISED ___		SHEET NO. 3 OF 21 SHEETS			CONTRACT NO. 70534		
CHECKED - J.M.O. / I.P. / G.R.A.		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___					ILLINOIS FED. AID PROJECT		

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	158+99.20	-8.88	689.35	689.35
℄ Brg. S. Abut.	159+01.12	-8.88	689.35	689.35
C	159+11.12	-8.88	689.33	689.38
D	159+21.12	-8.88	689.31	689.42
E	159+31.12	-8.88	689.29	689.45
F	159+41.12	-8.88	689.26	689.46
G	159+51.12	-8.88	689.24	689.47
H	159+61.12	-8.88	689.22	689.47
I	159+71.12	-8.88	689.20	689.45
J	159+81.12	-8.88	689.18	689.40
K	159+91.12	-8.88	689.16	689.36
L	160+01.12	-8.88	689.14	689.31
M	160+11.12	-8.88	689.12	689.23
N	160+21.12	-8.88	689.10	689.15
℄ Brg. N. Abut.	160+31.27	-8.88	689.08	689.08
Back N. Abut.	160+33.20	-8.88	689.07	689.07

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	159+02.61	-2.96	689.44	689.44
℄ Brg. S. Abut.	159+04.54	-2.96	689.43	689.43
C	159+14.54	-2.96	689.41	689.47
D	159+24.54	-2.96	689.39	689.50
E	159+34.54	-2.96	689.37	689.54
F	159+44.54	-2.96	689.35	689.55
G	159+54.54	-2.96	689.33	689.55
H	159+64.54	-2.96	689.31	689.55
I	159+74.54	-2.96	689.29	689.53
J	159+84.54	-2.96	689.27	689.49
K	159+94.54	-2.96	689.25	689.44
L	160+04.54	-2.96	689.22	689.39
M	160+14.54	-2.96	689.20	689.32
N	160+24.54	-2.96	689.18	689.24
℄ Brg. N. Abut.	160+34.69	-2.96	689.16	689.16
Back N. Abut.	160+36.61	-2.96	689.16	689.16

℄ ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	159+04.32	0.00	689.48	689.48
℄ Brg. S. Abut.	159+06.24	0.00	689.48	689.48
C	159+16.24	0.00	689.46	689.51
D	159+26.24	0.00	689.43	689.55
E	159+36.24	0.00	689.41	689.58
F	159+46.24	0.00	689.39	689.59
G	159+56.24	0.00	689.37	689.59
H	159+66.24	0.00	689.35	689.60
I	159+76.24	0.00	689.33	689.57
J	159+86.24	0.00	689.31	689.53
K	159+96.24	0.00	689.29	689.49
L	160+06.24	0.00	689.27	689.44
M	160+16.24	0.00	689.25	689.36
N	160+26.24	0.00	689.22	689.28
℄ Brg. N. Abut.	160+36.40	0.00	689.20	689.20
Back N. Abut.	160+38.32	0.00	689.20	689.20

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	159+06.03	2.96	689.43	689.43
℄ Brg. S. Abut.	159+07.95	2.96	689.43	689.43
C	159+17.95	2.96	689.41	689.46
D	159+27.95	2.96	689.39	689.50
E	159+37.95	2.96	689.36	689.53
F	159+47.95	2.96	689.34	689.54
G	159+57.95	2.96	689.32	689.54
H	159+67.95	2.96	689.30	689.55
I	159+77.95	2.96	689.28	689.52
J	159+87.95	2.96	689.26	689.48
K	159+97.95	2.96	689.24	689.44
L	160+07.95	2.96	689.22	689.39
M	160+17.95	2.96	689.20	689.31
N	160+27.95	2.96	689.18	689.23
℄ Brg. N. Abut.	160+38.10	2.96	689.15	689.15
Back N. Abut.	160+40.03	2.96	689.15	689.15

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	159+09.44	8.88	689.33	689.33
℄ Brg. S. Abut.	159+11.37	8.88	689.33	689.33
C	159+21.37	8.88	689.31	689.36
D	159+31.37	8.88	689.29	689.40
E	159+41.37	8.88	689.26	689.43
F	159+51.37	8.88	689.24	689.44
G	159+61.37	8.88	689.22	689.44
H	159+71.37	8.88	689.20	689.45
I	159+81.37	8.88	689.18	689.43
J	159+91.37	8.88	689.16	689.38
K	160+01.37	8.88	689.14	689.34
L	160+11.37	8.88	689.12	689.29
M	160+21.37	8.88	689.10	689.21
N	160+31.37	8.88	689.08	689.13
℄ Brg. N. Abut.	160+41.52	8.88	689.05	689.05
Back N. Abut.	160+43.44	8.88	689.05	689.05

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	159+12.86	14.79	689.22	689.22
℄ Brg. S. Abut.	159+14.78	14.79	689.21	689.21
C	159+24.78	14.79	689.19	689.25
D	159+34.78	14.79	689.17	689.28
E	159+44.78	14.79	689.15	689.32
F	159+54.78	14.79	689.13	689.33
G	159+64.78	14.79	689.11	689.33
H	159+74.78	14.79	689.09	689.33
I	159+84.78	14.79	689.07	689.31
J	159+94.78	14.79	689.05	689.27
K	160+04.78	14.79	689.02	689.22
L	160+14.78	14.79	689.00	689.17
M	160+24.78	14.79	688.98	689.10
N	160+34.78	14.79	688.96	689.02
℄ Brg. N. Abut.	160+44.94	14.79	688.94	688.94
Back N. Abut.	160+46.86	14.79	688.94	688.94

DESIGNED - JOSHUA M. ODORIZZI
CHECKED - IRENE PANTOJA
DRAWN - MICHAEL B. MOSSMAN
CHECKED - J.M.O. / I.P. / G.R.A.

EXAMINED
ACTING ENGINEER OF BRIDGE DESIGN
PASSED
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 2, 2014
REVISED ___
REVISED ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 057 - 0243
SHEET NO. 4 OF 21 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	23
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

WEST EDGE OF SHOULDER

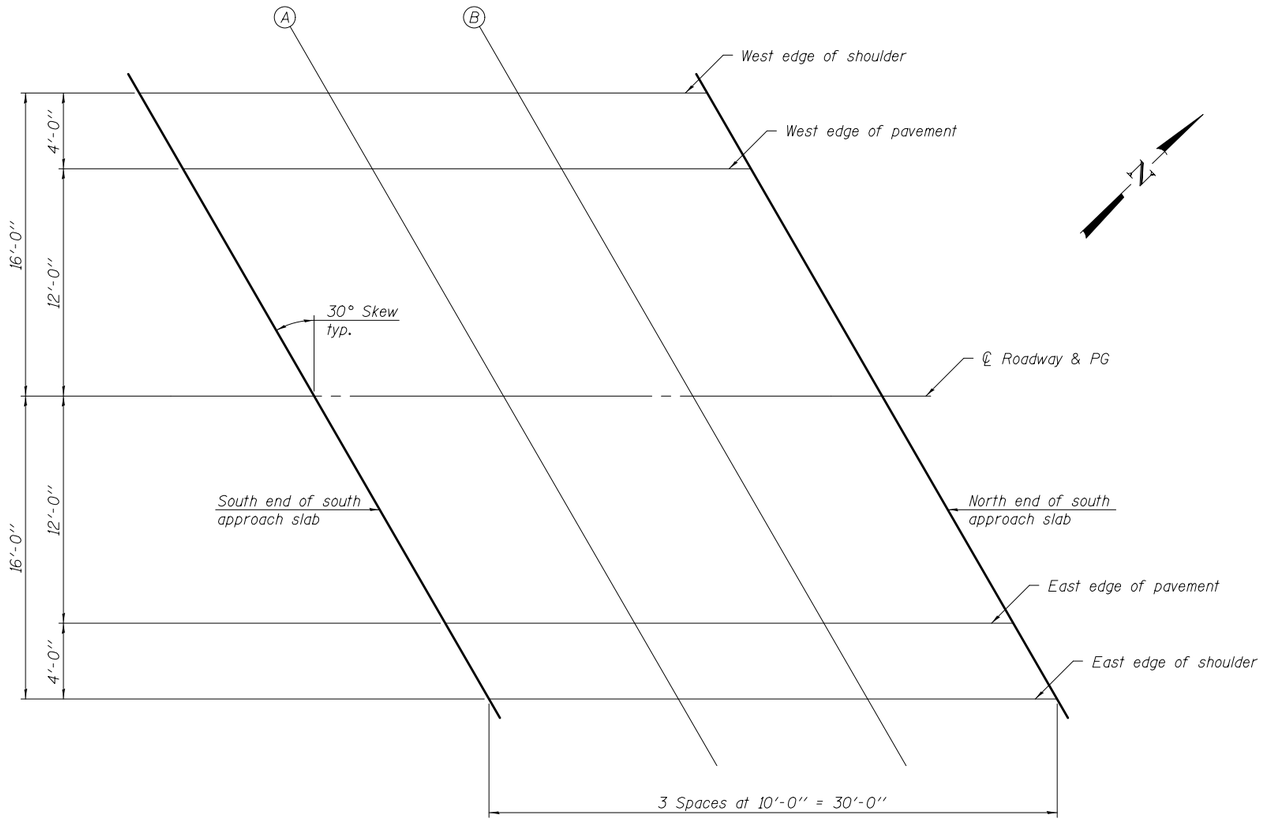
Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	158+66.24	-16.00	689.29
A	158.76.24	-16.00	689.27
B	158+86.24	-16.00	689.25
N. End of S. Appr. Slab	158+96.24	-16.00	689.23

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	158+68.55	-12.00	689.37
A	158+78.55	-12.00	689.35
B	158+88.55	-12.00	689.33
N. End of S. Appr. Slab	158+98.55	-12.00	689.31

℄ ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	158+75.48	0.00	689.54
A	158+85.48	0.00	689.52
B	158+95.48	0.00	689.50
N. End of S. Appr. Slab	159+05.48	0.00	689.48



PLAN

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	158+82.40	12.00	689.34
A	158+92.40	12.00	689.32
B	159+02.40	12.00	689.30
N. End of S. Appr. Slab	159+12.40	12.00	689.28

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	158+84.71	16.00	689.25
A	158+94.71	16.00	689.23
B	159+04.71	16.00	689.21
N. End of S. Appr. Slab	159+14.71	16.00	689.19

DESIGNED	-	JOSHUA M. ODORIZZI	
CHECKED	-	IRENE PANTOJA	
DRAWN	-	MICHAEL B. MOSSMAN	
CHECKED	-	J.M.O. / I.P. / G.R.A.	

EXAMINED — ACTING ENGINEER OF BRIDGE DESIGN

PASSED — ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 2, 2014

REVISED ___

REVISED ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057 – 0243

SHEET NO. 5 OF 21 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	24
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

WEST EDGE OF SHOULDER

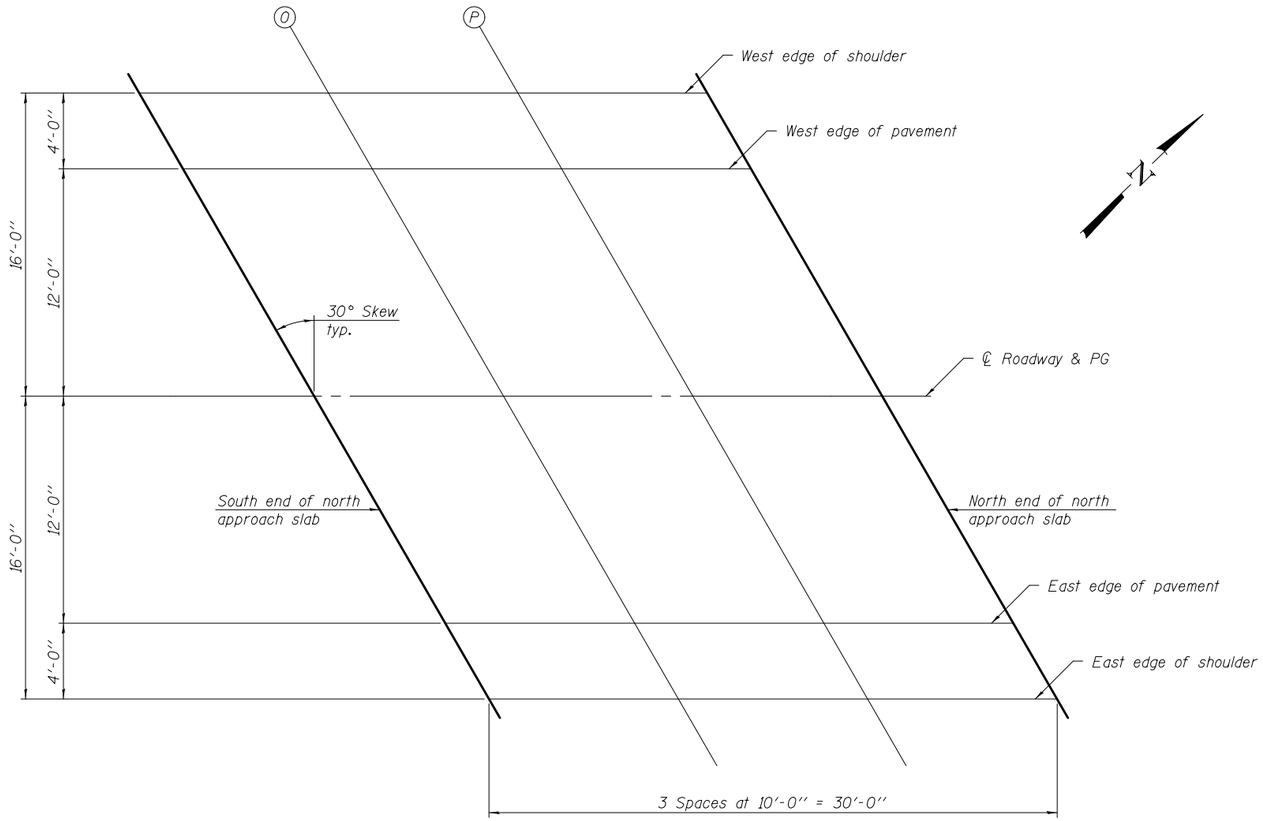
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	160+27.93	-16.00	688.95
0	160+37.93	-16.00	688.93
P	160+47.93	-16.00	688.91
N. End of N. Appr. Slab	160+57.93	-16.00	688.89

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	160+30.24	-12.00	689.03
0	160+40.24	-12.00	689.01
P	160+50.24	-12.00	688.99
N. End of N. Appr. Slab	160+60.24	-12.00	688.97

℄ ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	160+37.17	0.00	689.20
0	160+47.17	0.00	689.18
P	160+57.17	0.00	689.16
N. End of N. Appr. Slab	160+67.17	0.00	689.14



PLAN

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	160+44.09	12.00	689.00
0	160+54.09	12.00	688.98
P	160+64.09	12.00	688.96
N. End of N. Appr. Slab	160+74.09	12.00	688.94

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	160+46.40	16.00	688.91
0	160+56.40	16.00	688.89
P	160+66.40	16.00	688.87
N. End of N. Appr. Slab	160+76.40	16.00	688.85

DESIGNED	-	JOSHUA M. ODORIZZI	
CHECKED	-	IRENE PANTOJA	
DRAWN	-	MICHAEL B. MOSSMAN	
CHECKED	-	J.M.O. / I.P. / G.R.A.	

EXAMINED — ACTING ENGINEER OF BRIDGE DESIGN

PASSED — ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 2, 2014

REVISED ___

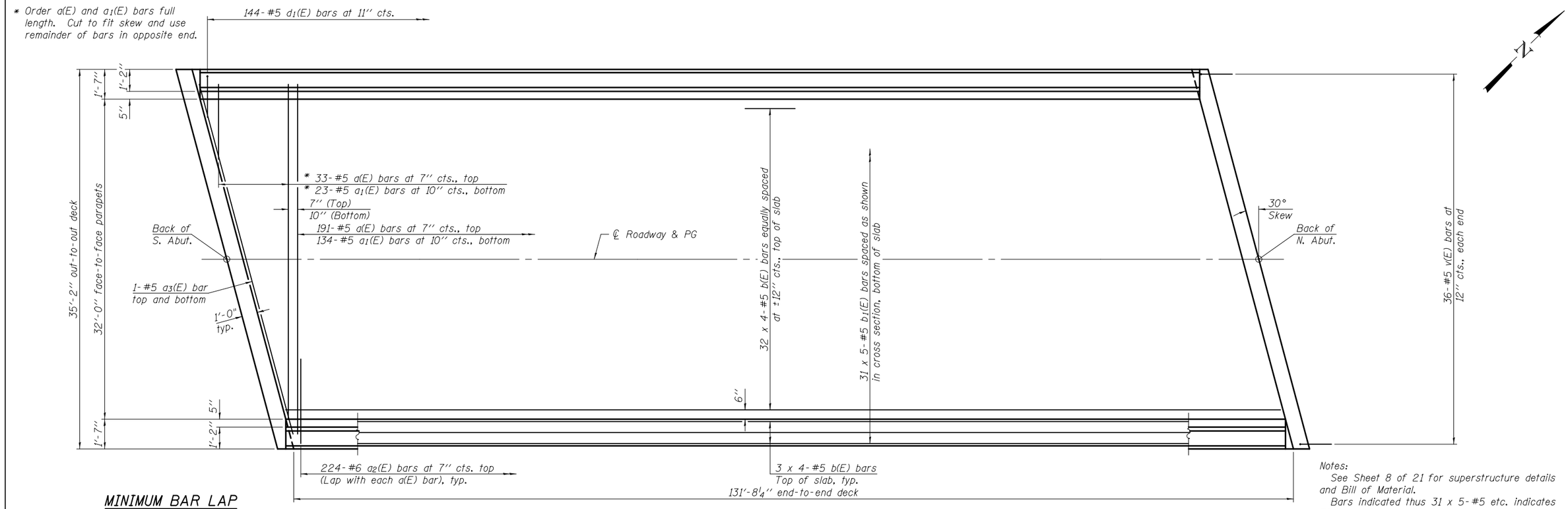
REVISED ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057 – 0243

SHEET NO. 6 OF 21 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	25
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		



MINIMUM BAR LAP

#5 bar = 2'-7"

PLAN

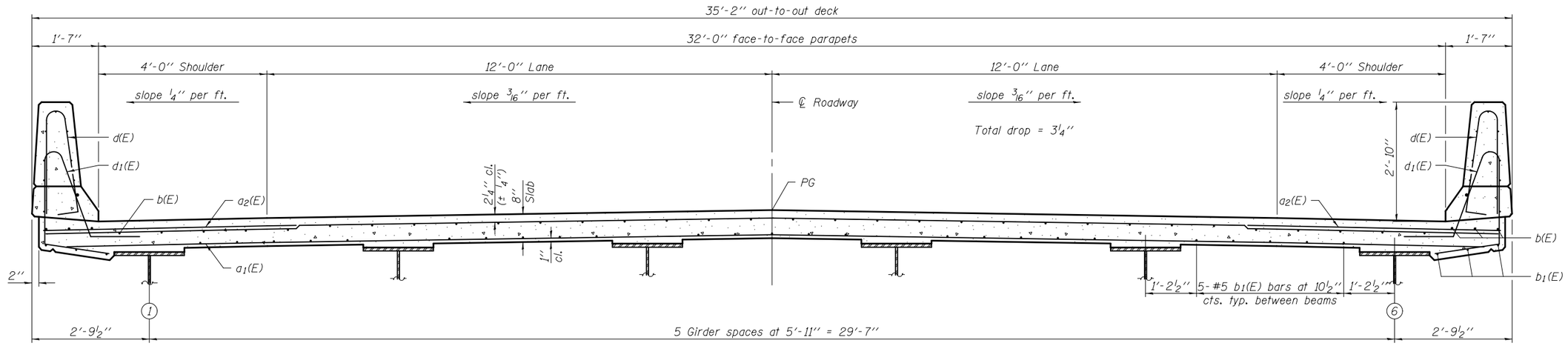
Notes:

See Sheet 8 of 21 for superstructure details and Bill of Material.

Bars indicated thus 31 x 5-#5 etc. indicates 31 lines of bars with 5 lengths per line.

See Sheet 8 of 21 for parapet reinforcement.

See sheet 1 of 21 for drainage scupper and floor drain locations.

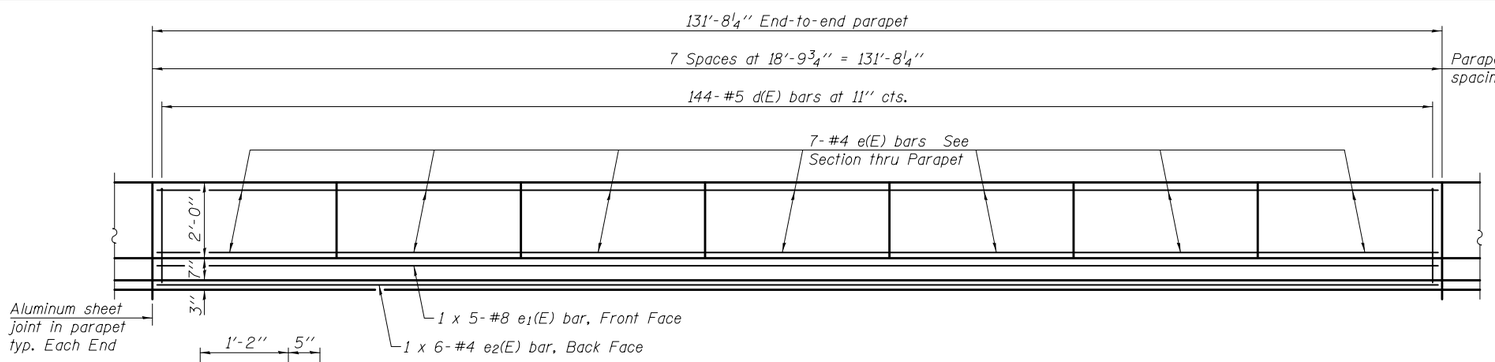


CROSS SECTION

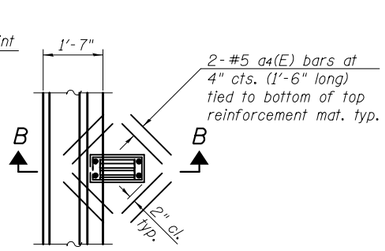
(Looking North)

SI-1-R 8-31-12

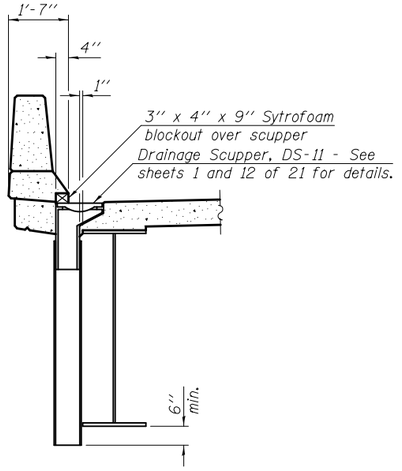
DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO. 057 – 0243	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - IRENE PANTOJA	PASSED	REVISED ___		SHEET NO. 7 OF 21 SHEETS	1488	(17-RB-2)BR	MCLEAN	85	26
DRAWN - MICHAEL B. MOSSMAN	ACTING ENGINEER OF BRIDGE DESIGN	REVISED ___					CONTRACT NO. 70534		
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGES AND STRUCTURES						ILLINOIS FED. AID PROJECT		



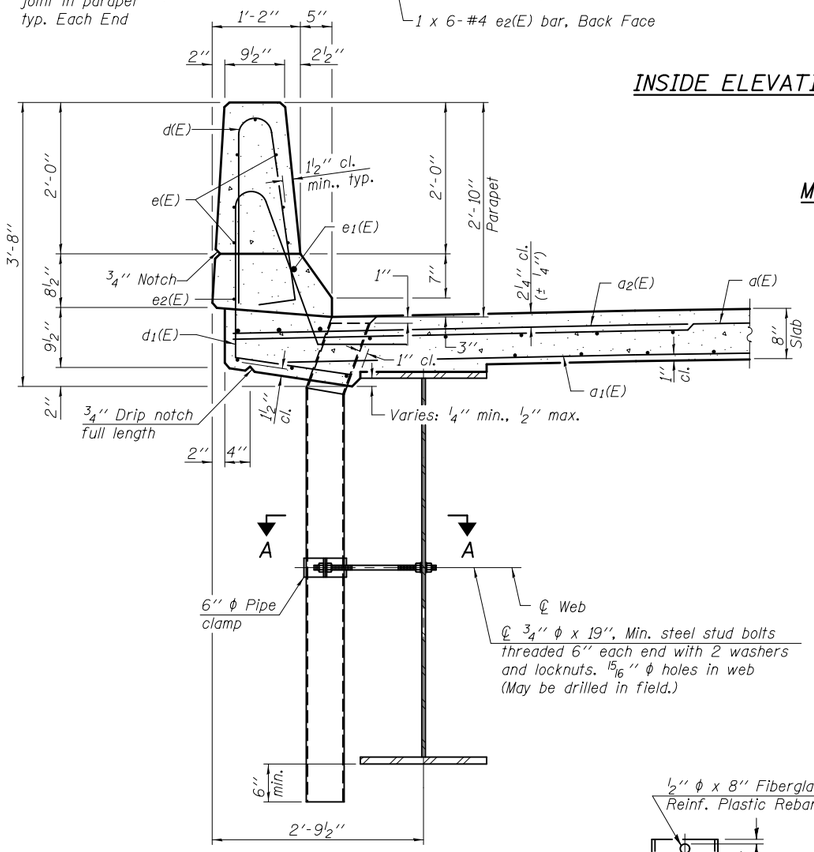
INSIDE ELEVATION OF PARAPET



PLAN



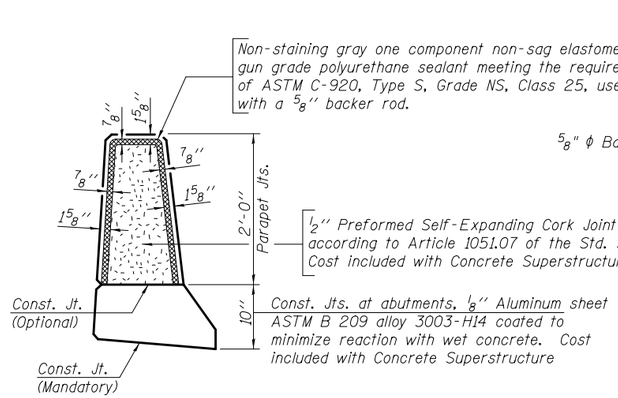
SECTION B-B

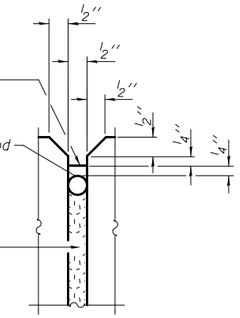


SECTION THRU PARAPET

MINIMUM BAR LAP

(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"





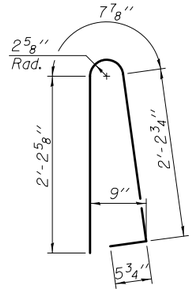
PARAPET JOINT DETAILS

Notes:
The exterior surfaces of the floor drains shall not be painted
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
Galvanize clamping device according to AASHTO M232. Cost of clamping device and inserts is included with Floor Drains.
Cut longitudinal reinforcement to clear drainage scuppers.

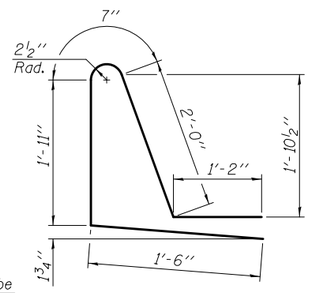
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	224	#5	34'-7"	
a1(E)	157	#5	32'-10"	
a2(E)	448	#6	6'-6"	
a3(E)	4	#5	37'-11"	
a4(E)	16	#5	1'-6"	
b(E)	152	#5	34'-10"	
b1(E)	155	#5	28'-5"	
d(E)	288	#5	5'-7"	
d1(E)	288	#5	7'-2"	
e(E)	98	#4	18'-6"	
e1(E)	10	#8	30'-6"	
e2(E)	12	#4	23'-7"	
m(E)	12	#6	40'-2"	
m1(E)	50	#6	6'-4"	
m2(E)	20	#6	2'-9"	
m3(E)	60	#5	4'-0"	
s(E)	72	#5	11'-0"	
s1(E)	62	#5	14'-9"	
v(E)	72	#5	3'-1"	
Reinforcement Bars, Epoxy Coated		Pound	37,720	
Concrete Superstructure		Cu. Yds.	201.0	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

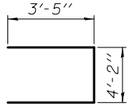


BAR d(E)

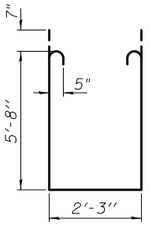


BAR d1(E)

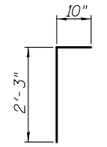
BAR m3(E)



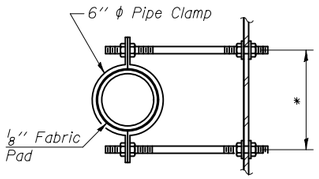
BAR s(E)



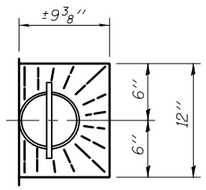
BAR s1(E)



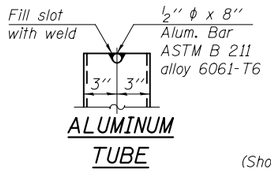
BAR v(E)



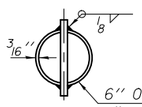
SECTION A-A
*Dimension as required by Pipe Clamp



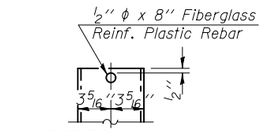
TOP PLAN



ALUMINUM TUBE



TOP PLAN
(Showing Aluminum Tube)



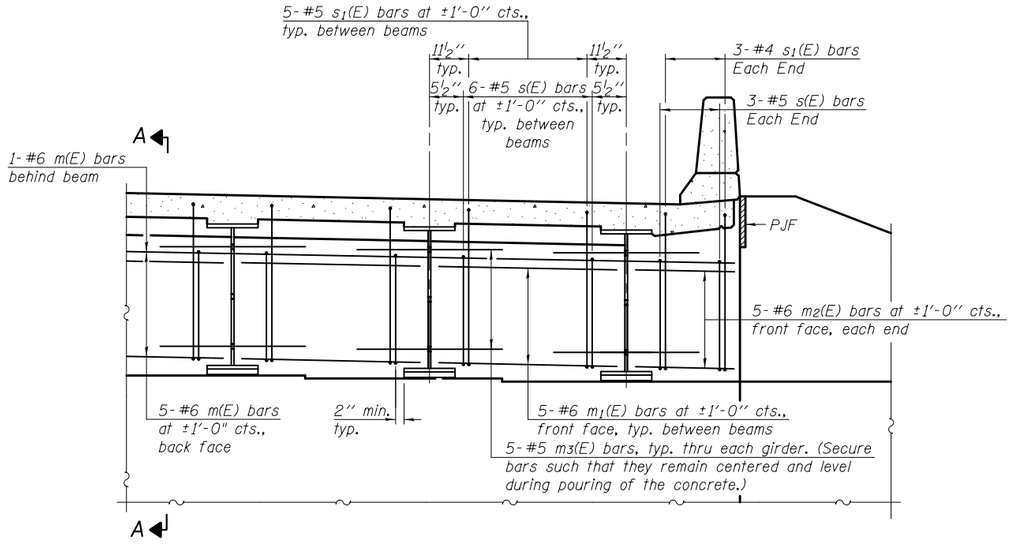
FIBERGLASS PIPE

DESIGNED	-	JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	
CHECKED	-	IRENE PANTOJA	PASSED	ACTING ENGINEER OF BRIDGE DESIGN	REVISED ___
DRAWN	-	MICHAEL B. MOSSMAN		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___
CHECKED	-	J.M.O. / I.P. / G.R.A.			

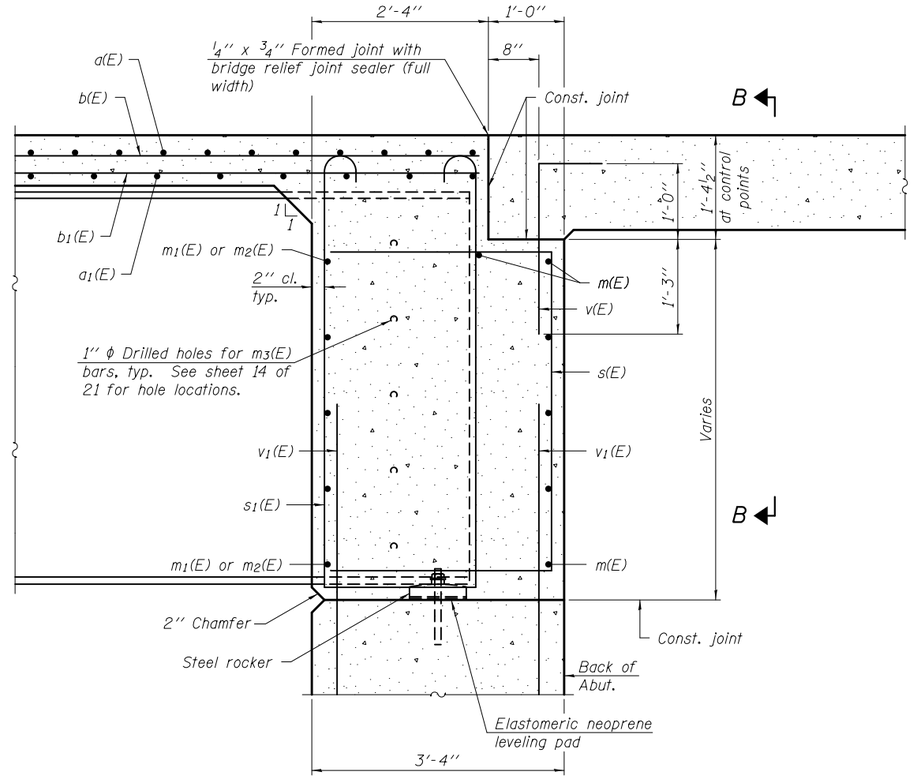
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 057 – 0243
SHEET NO. 8 OF 21 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	27
		CONTRACT NO. 70534		
		ILLINOIS	FED. AID PROJECT	

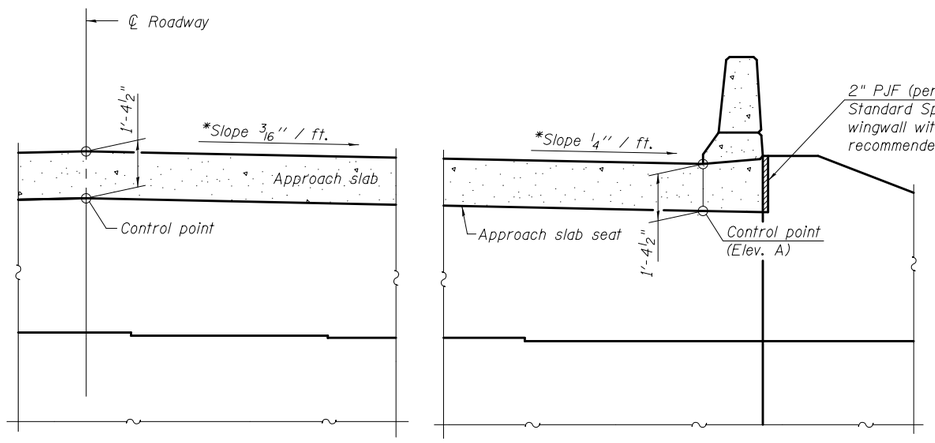


DIAPHRAGM ELEVATION AT ABUTMENT



SECTION A-A

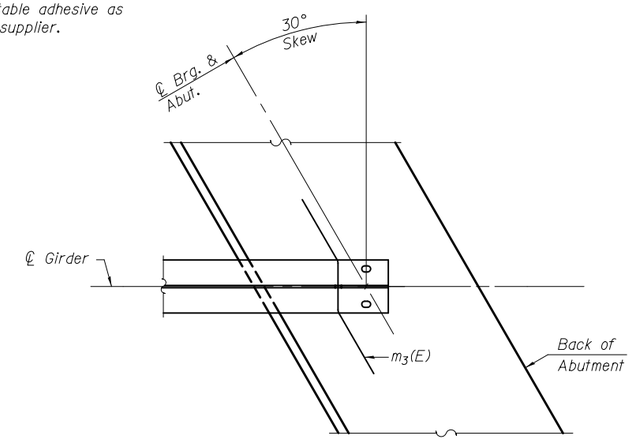
(at Rt. L's)



SECTION B-B

* Cross slopes are at right L's to ℄ roadway.

Elev. A	East	West
S. Abut.	687.81	687.85
N. Abut.	687.53	687.57



PARTIAL PLAN AT ABUTMENT

(Showing web and bottom flange of beam)

Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet 8 of 21.

Concrete in diaphragm is included with Concrete Superstructure on sheet 8 of 21.

For details of bars s(E), s_1(E) and v(E) see sheet 8 of 21.

The s(E) and s_1(E) bars shall be placed parallel to the girders. Spacing for these bars shall be at right angles to the girders.

The approach slab seat shall have a constant slope determined from the control points shown.

For bearing details see sheet 14 of 21.

See sheet 14 of 21 for hole locations at girder ends.

DESIGNED	-	JOSHUA M. ODORIZZI	
CHECKED	-	IRENE PANTOJA	
DRAWN	-	MICHAEL B. MOSSMAN	
CHECKED	-	J.M.O. / I.P. / G.R.A.	

EXAMINED — ACTING ENGINEER OF BRIDGE DESIGN

PASSED — ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 2, 2014

REVISED ___

REVISED ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

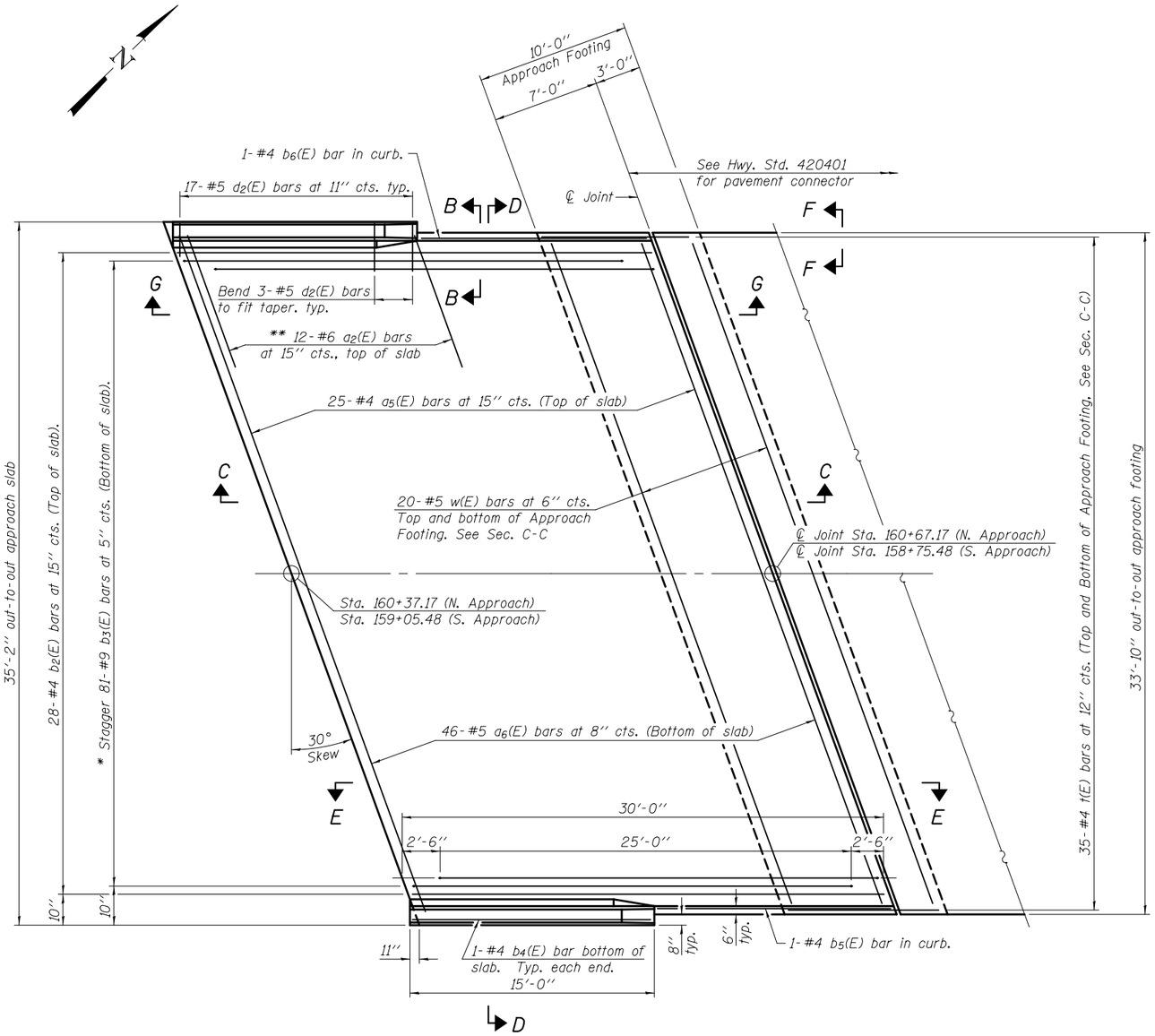
DIAPHRAGM DETAILS
STRUCTURE NO. 057 – 0243

SHEET NO. 9 OF 21 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	28
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

Notes:
See sheet 11 of 21 for Sections C-C & D-D and View E-E.
a_5(E) and a_6(E) bar spacings measured along ℄ Rdwy.
The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be $1\frac{1}{2}$'' for installation purposes.

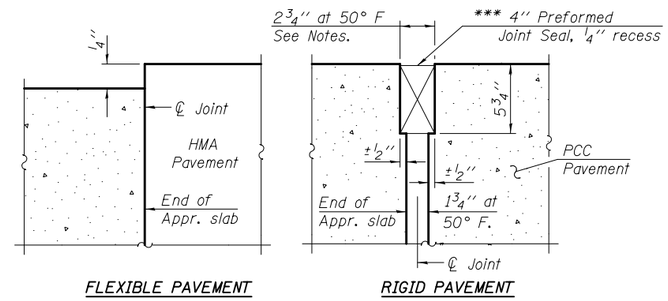
*** Cost included with Concrete Superstructure.



PLAN

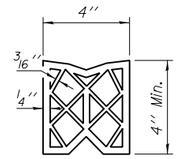
(North approach shown. South approach similar by 180° rotation except as noted)

* Tilt #9 b_3(E) bars as required to maintain clearance.
** Space between a_4(E) bars, typ. each parapet.

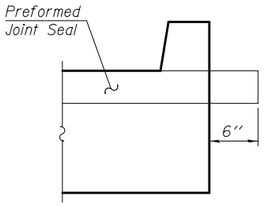


FLEXIBLE PAVEMENT RIGID PAVEMENT

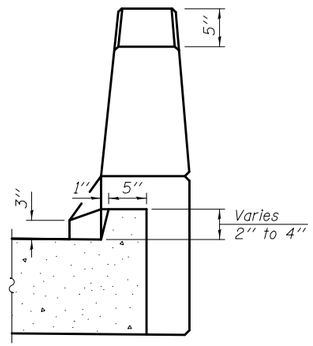
DETAIL A



PREFORMED JOINT SEAL

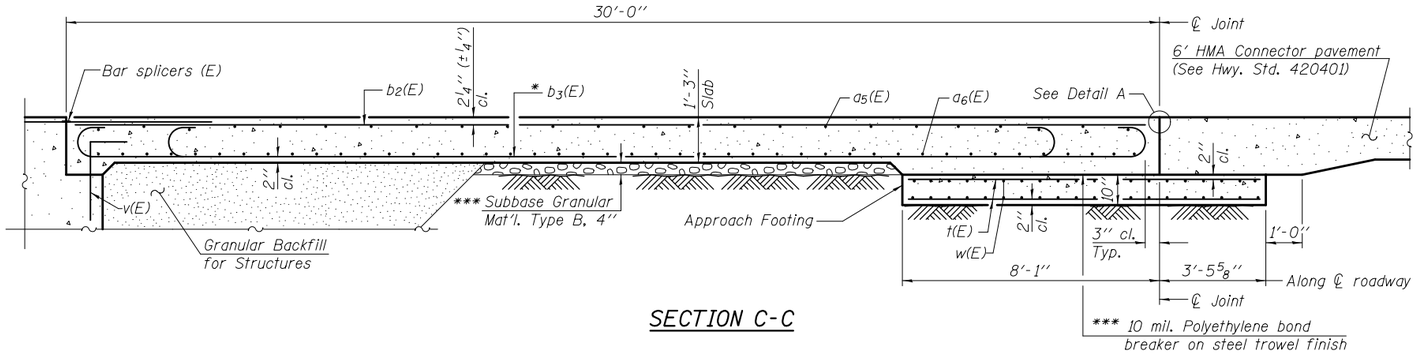


VIEW F-F

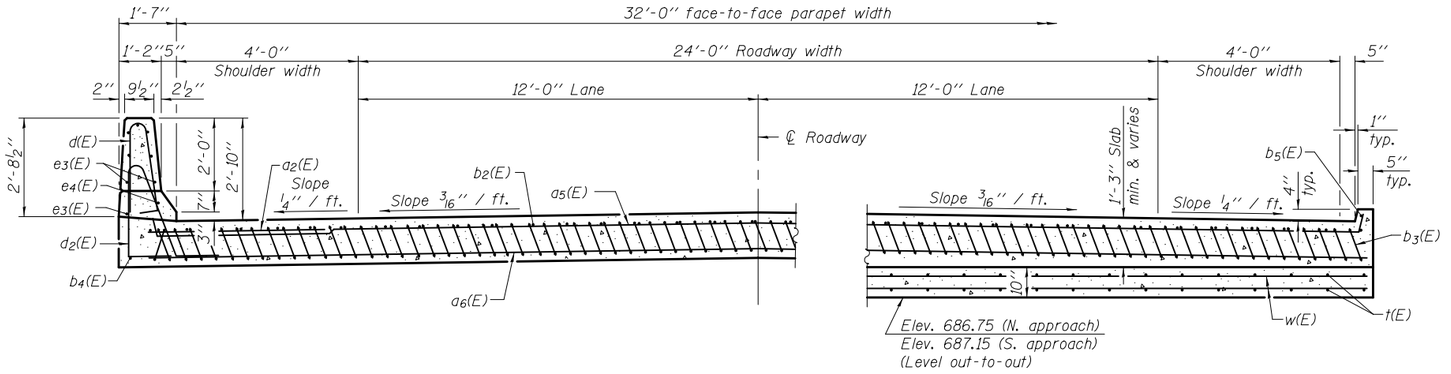


VIEW B-B

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	ACTING ENGINEER OF BRIDGE DESIGN	DATE - DECEMBER 2, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 057 - 0243	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - IRENE PANTOJA						1488	(17-RB-2)BR	MCLEAN	85	29
DRAWN - MICHAEL B. MOSSMAN	PASSED	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___					CONTRACT NO. 70534		
CHECKED - J.M.O. / I.P. / G.R.A.			REVISED ___		SHEET NO. 10 OF 21 SHEETS			ILLINOIS FED. AID PROJECT		



SECTION C-C

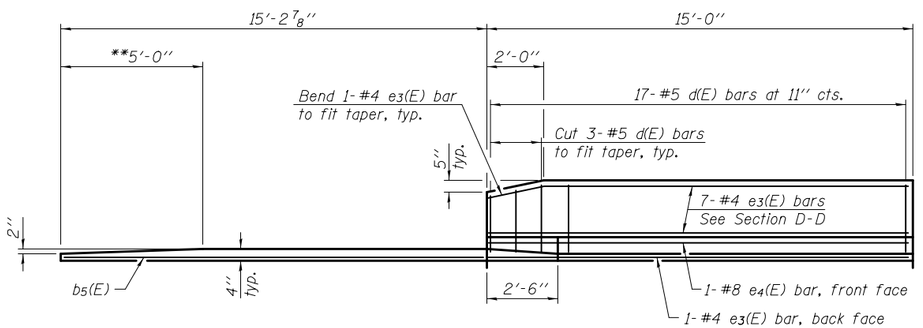


NEAR ABUTMENT

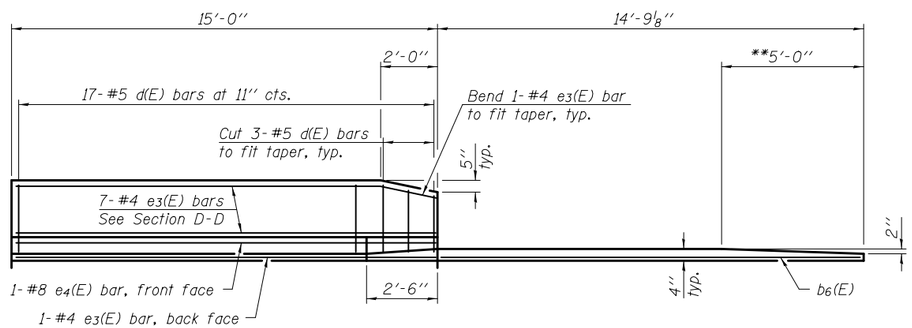
AT APPROACH FOOTING

SECTION D-D

(See Plan for dimensions not shown)

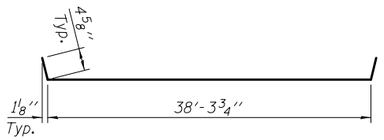


VIEW E-E

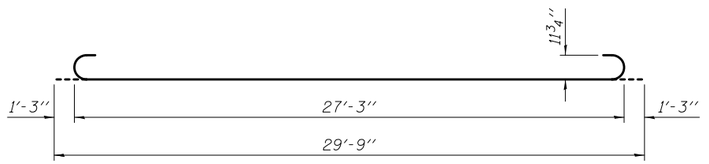


VIEW G-G

** Extend 4" full height curb to end of N. approach slab and 4" HMA curb through 6' HMA connector per the standard 420401 and shoulder inlet per standard 610001 (typ. both sides at north end only).

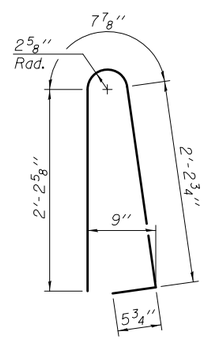


BAR a4(E)

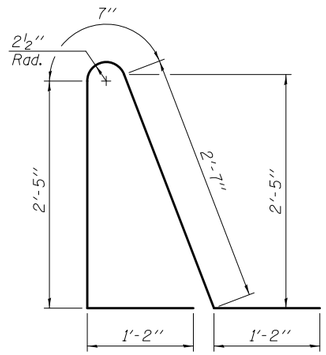


BAR b3(E)

Notes:
- See sheet 10 of 21 for Detail A and View B-B.
- Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
- Approach footing concrete shall be paid for as Concrete Structures.
- Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
- For v(E) bar details, see sheet 8 of 21.
- The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
- Cost of excavation for approach footing included with Concrete Structures.
- For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 21.
- For additional parapet details, see sheet 10 of 21.



BAR d(E)



BAR d2(E)

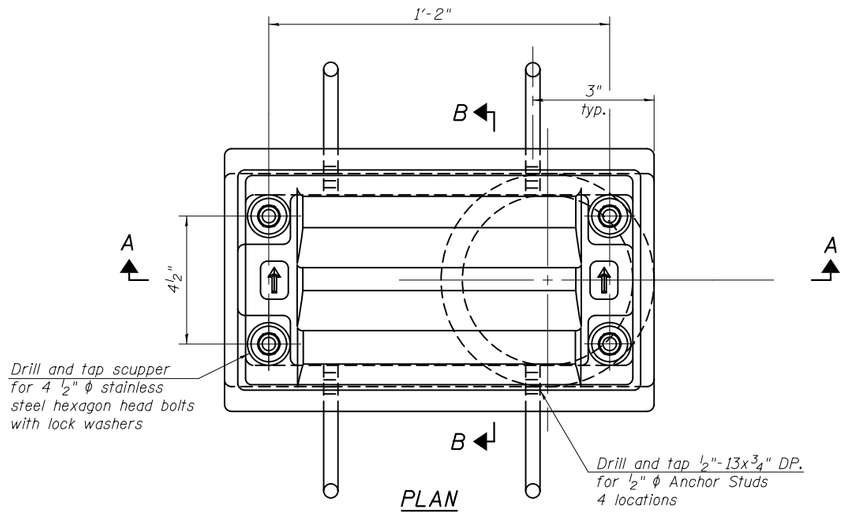
* Tilt #9 b3(E) bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

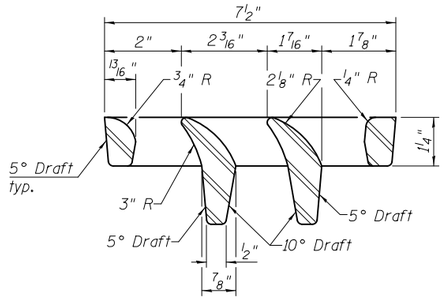
TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a2(E)	48	#6	6'-6"	
a5(E)	50	#4	39'-1"	
a6(E)	92	#5	38'-8"	
b2(E)	56	#4	29'-8"	
b3(E)	162	#9	29'-9"	
b4(E)	4	#4	14'-8"	
b5(E)	2	#4	15'-1"	
b6(E)	2	#4	14'-3"	
d(E)	68	#5	5'-7"	
d2(E)	68	#5	7'-11"	
e3(E)	32	#4	14'-8"	
e4(E)	4	#8	14'-8"	
t(E)	140	#4	11'-1"	
w(E)	80	#5	38'-8"	
Concrete Superstructure			Cu. Yd.	106.3
Concrete Structures			Cu. Yd.	24.2
Reinforcement Bars, Epoxy Coated			Pound	28,750

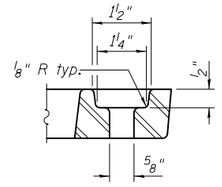
DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	ACTING ENGINEER OF BRIDGE DESIGN	DATE - DECEMBER 2, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 057 - 0243	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - IRENE PANTOJA	PASSED	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___		SHEET NO. 11 OF 21 SHEETS	1488	(17-RB-2)BR	MCLEAN	85	30
DRAWN - MICHAEL B. MOSSMAN			REVISED ___					CONTRACT NO. 70534		
CHECKED - J.M.O. / I.P. / G.R.A.							ILLINOIS	FED. AID PROJECT		



PLAN



VANE GRATE DETAIL



BOLT HOLE DETAIL

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a weathering steel fascia girder shall not be painted.

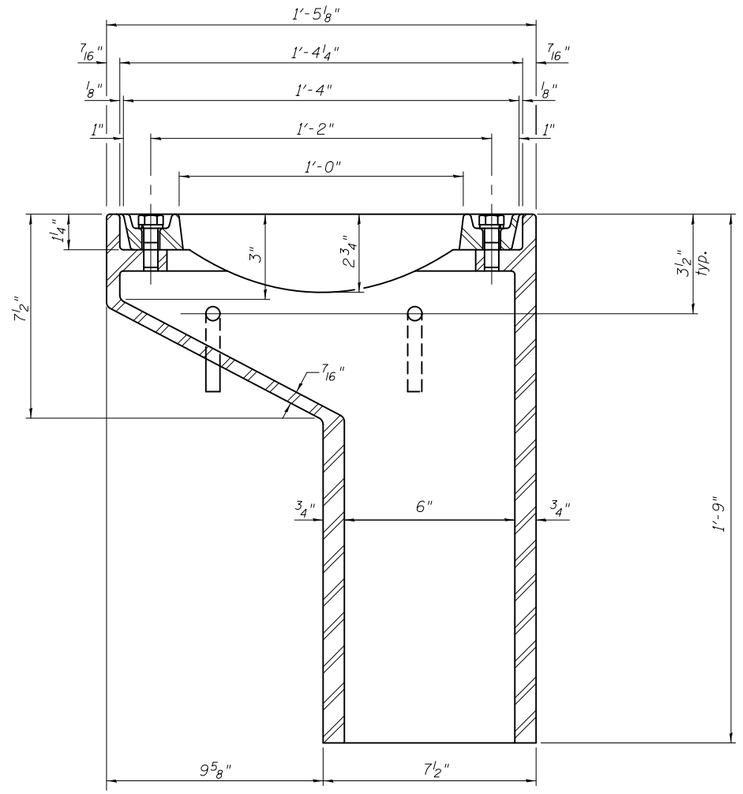
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

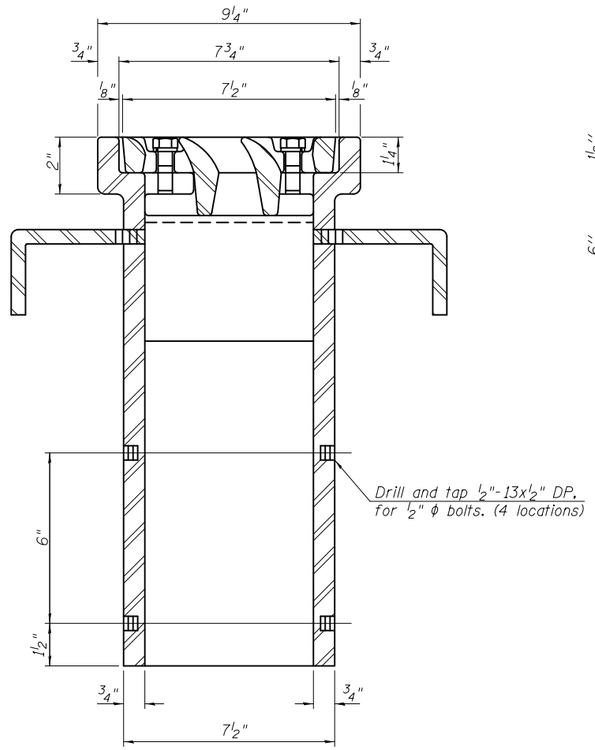
Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.

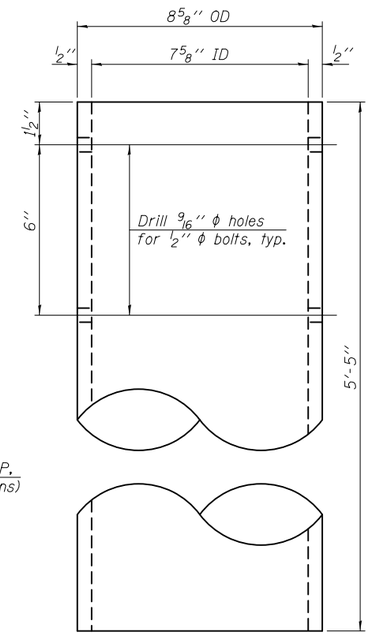


SECTION A-A

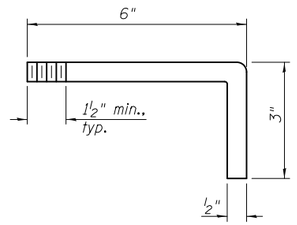
See sheet 8 of 21 for scupper location relative to parapet.



SECTION B-B



DOWNSPOUT



ANCHOR STUD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	2

DESIGNED	-	JOSHUA M. ODORIZZI	
CHECKED	-	IRENE PANTOJA	
DRAWN	-	MICHAEL B. MOSSMAN	
CHECKED	-	J.M.O. / I.P. / G.R.A.	

EXAMINED

ACTING ENGINEER OF BRIDGE DESIGN

PASSED

ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 2, 2014

REVISED ___

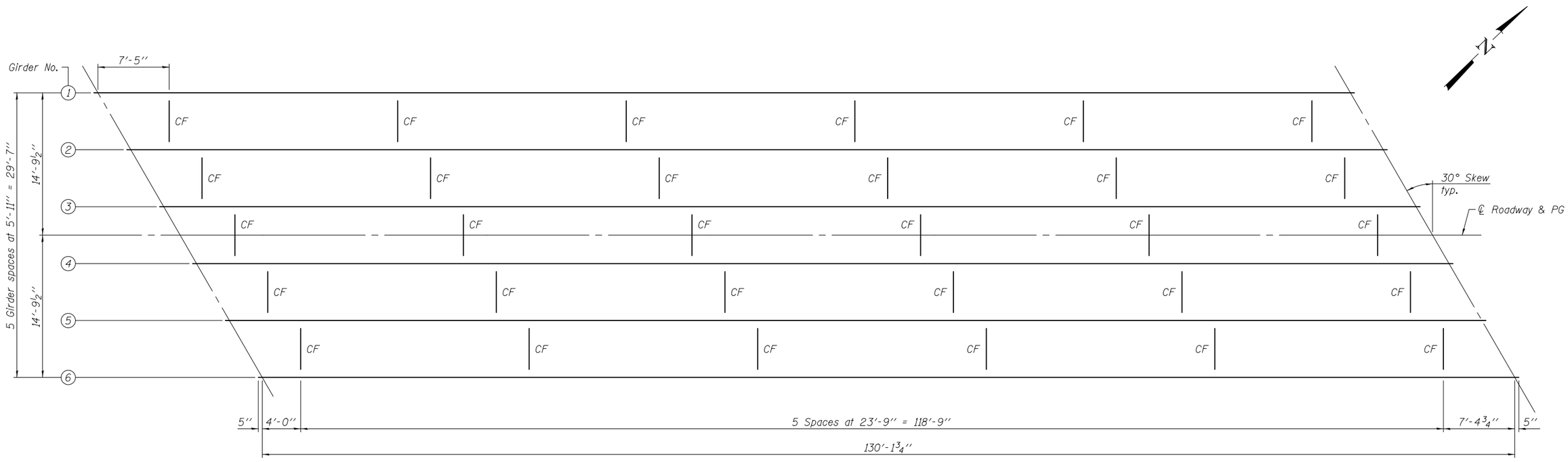
REVISED ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

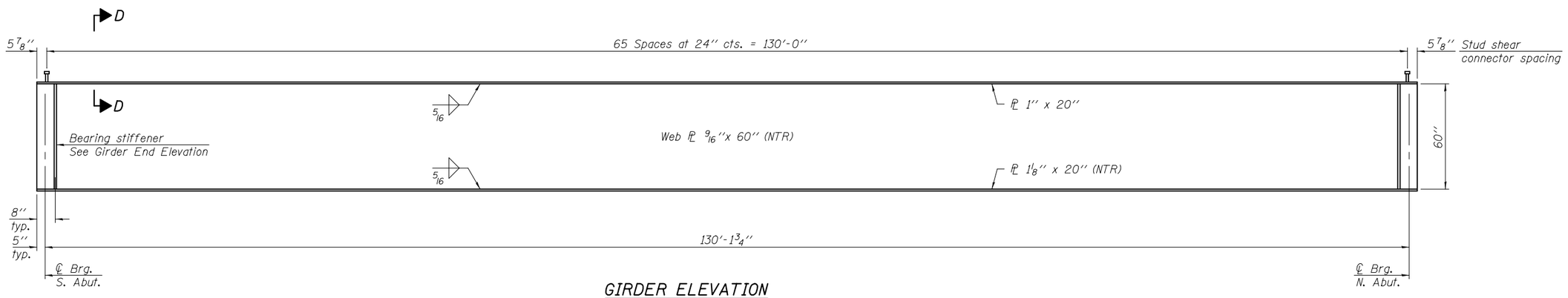
DRAINAGE SCUPPER, DS - 11
STRUCTURE NO. 057 - 0243

SHEET NO. 12 OF 21 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	31
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		



PLAN

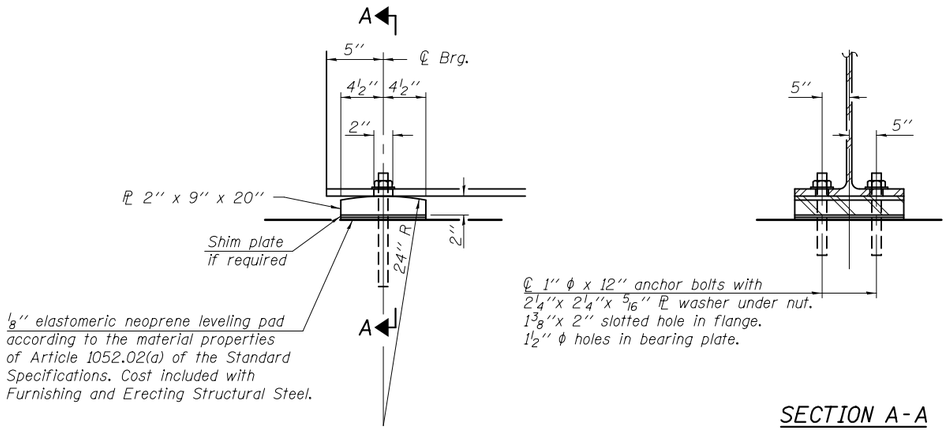


GIRDER ELEVATION

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
Two hardened washers shall be required for all oversized holes in cross frames.
Omit connecting plates on exterior side of exterior girder.
All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted.
See sheet 14 of 21 for Section D-D.

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**STRUCTURAL STEEL STRUCTURE NO. 057 – 0243**	
CHECKED - IRENE PANTOJA					
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED ___			
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGE DESIGN ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___		SHEET NO. 13 OF 21 SHEETS	

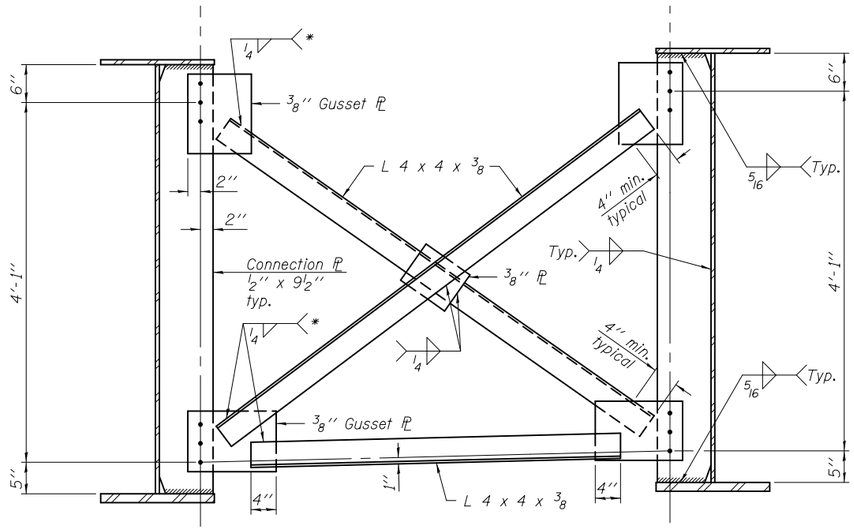
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	32
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			



ELEVATION AT ABUTMENT

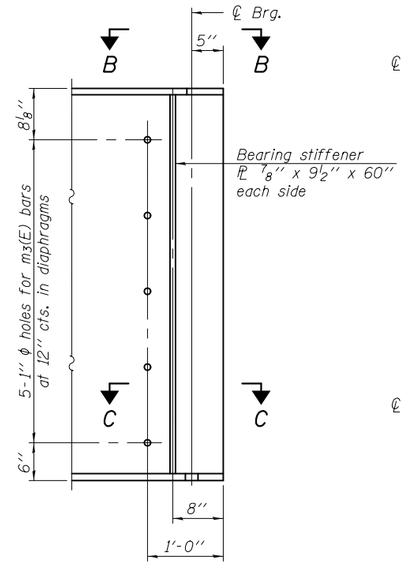
SECTION A-A

ABUTMENT BEARING
(12 Required)

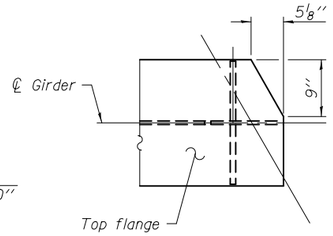


CROSS FRAME CF
(30 Required)

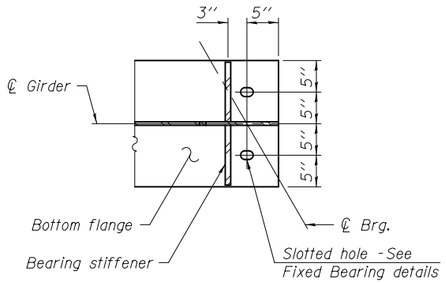
* Fillet weld angles along 3 sides on one face of gusset plate.



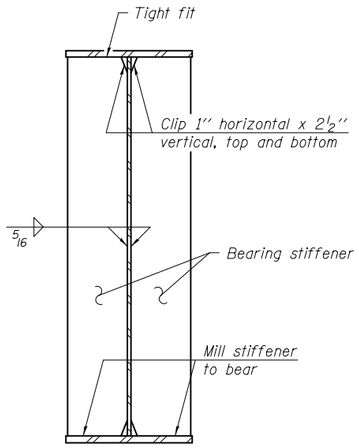
GIRDER END ELEVATION
(Typical at all beams, each end)



SECTION B-B

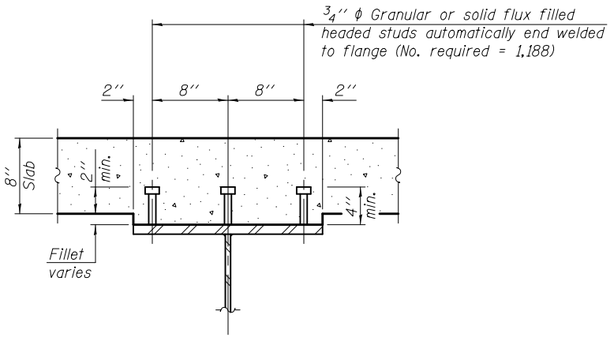


SECTION C-C



BEARING STIFFENER

Notes:
Detail 15/16'' ϕ holes for all ¾'' bolts. Two hardened washers required for each set of oversized holes.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.



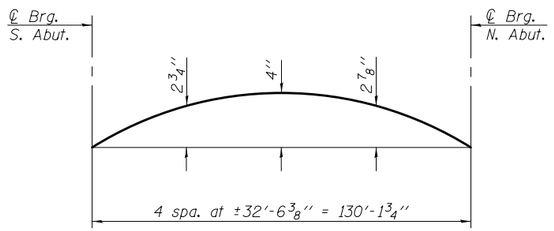
SECTION D-D

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**STRUCTURAL STEEL DETAILS STRUCTURE NO. 057 - 0243**	F.A.S. RTE. 1488 / SECTION (17-RB-2)BR / COUNTY MCLEAN / TOTAL SHEETS 85 / SHEET NO. 33
CHECKED - IRENE PANTOJA					CONTRACT NO. 70534
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED		SHEET NO. 14 OF 21 SHEETS	ILLINOIS FED. AID PROJECT
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGE DESIGN; ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED			

* TOP OF WEB ELEVATIONS

	℄ Brg. S. Abut.	℄ Brg. N. Abut.
Girder 1	688.52	688.25
Girder 2	688.62	688.35
Girder 3	688.70	688.43
Girder 4	688.70	688.42
Girder 5	688.60	688.32
Girder 6	688.48	688.21

* For fabrication use only.



CAMBER DIAGRAM

EXTERIOR GIRDER MOMENT TABLE		
		0.5 Span 1
I_s	(in^4)	49,671
$I_c(n)$	(in^4)	96,692
$I_c(3n)$	(in^4)	72,075
S_s	(in^3)	1,650
$S_c(n)$	(in^3)	2,064
$S_c(3n)$	(in^3)	1,890
DC1	(k/')	0.901
M_{DC1}	('k)	1,907.8
DC2	(k/')	0.150
M_{DC2}	('k)	317.6
DW	(k/')	0.288
M_{DW}	('k)	609.8
M_{L+IM}	('k)	2,293
M_u (Strength I)	('k)	7,709
$\phi_f M_n$	('k)	10,441
f_s DC1	(ksi)	13.87
f_s DC2	(ksi)	2.02
f_s DW	(ksi)	3.87
f_s (L+IM)	(ksi)	13.33
f_s (Service II)	(ksi)	37.09
$0.95R_hF_{yf}$	(ksi)	47.50
f_s (Total)(Strength I)	(ksi)	-
$\phi_f F_n$	(ksi)	-
V_f	(k)	29.2

INTERIOR GIRDER REACTION TABLE		
		Abut.
R_{DC1}	(k)	59.7
R_{DC2}	(k)	9.8
R_{DW}	(k)	19.3
R_{L+IM}	(k)	95.2
R_{Total}	(k)	184.0

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.^{4} and in.^{3}).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) due to short-term composite live loads (in.^{4} and in.^{3}).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in.^{4} and in.^{3}).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+IM}$

$\phi_f M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft).

f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
M_{DC1} / S_{nc}

f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
$M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.

f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
$M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.

f_s (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live plus impact loads as calculated below (ksi).
$M_{L+IM} / S_c(n)$ or $M_{L+IM} / S_c(cr)$ as applicable.

f_s (Service II): Sum of stresses as computed below (ksi).
$f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3\ f_{sL+IM}$

$0.95R_hF_yf$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
$1.25\ (f_{sDC1} + f_{sDC2}) + 1.5\ f_{sDW} + 1.75\ f_{sL+IM}$

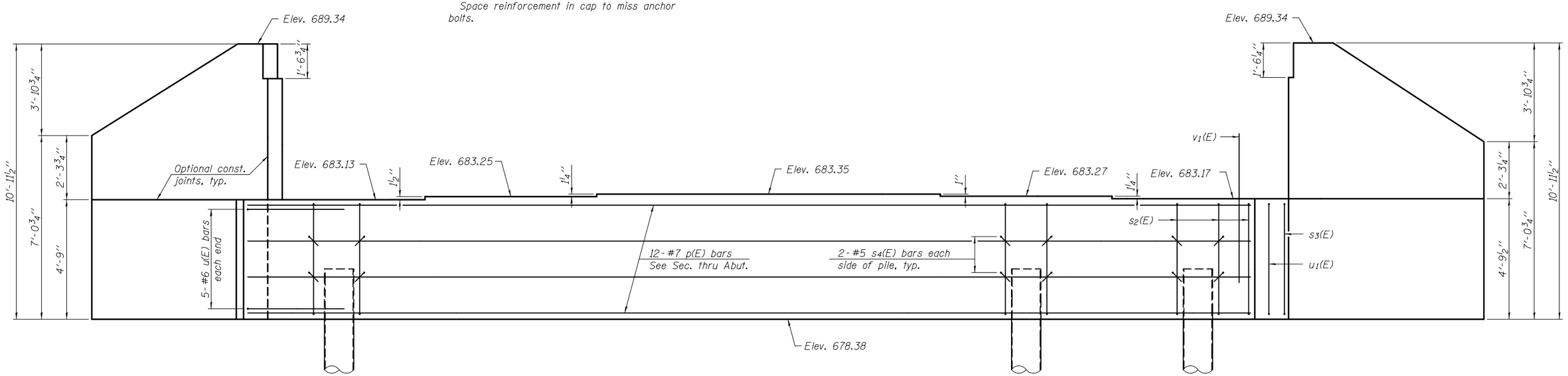
$\phi_f F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

V_f: Maximum factored shear range in composite portion of span computed according to Article 6.10.10.

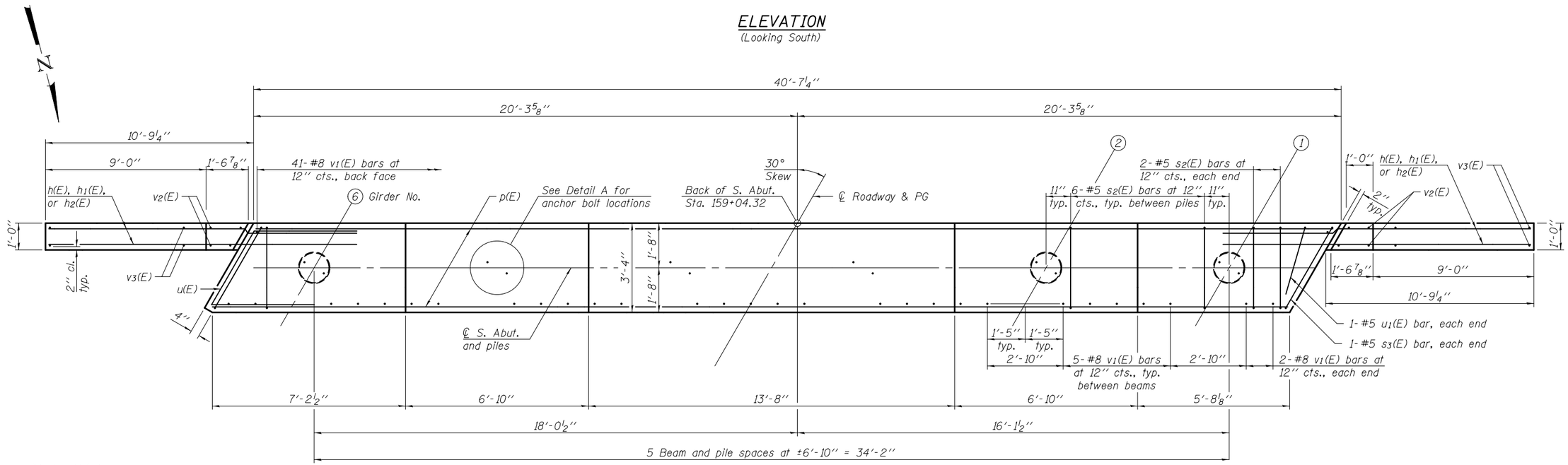
DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**STRUCTURAL STEEL DETAILS STRUCTURE NO. 057 – 0243**
CHECKED - IRENE PANTOJA				
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED ___		SHEET NO. 15 OF 21 SHEETS
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGE DESIGN ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	34
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

Notes:
Pour steps monolithically with cap.
See sheet 18 of 21 for wingwall reinforcement, additional details, and Bill of Materials.
Space reinforcement in cap to miss anchor bolts.



ELEVATION
(Looking South)



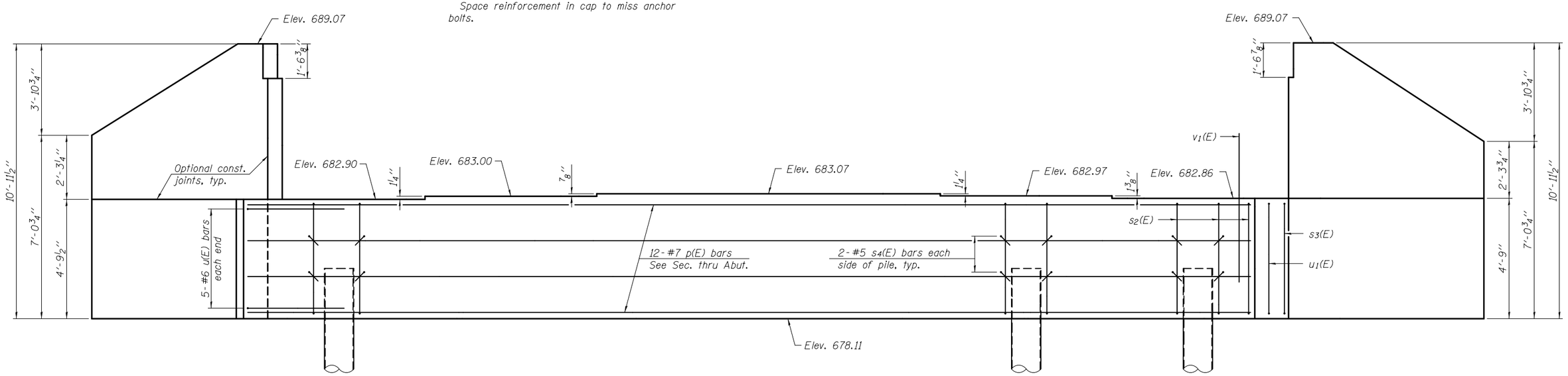
PLAN

PILE DATA

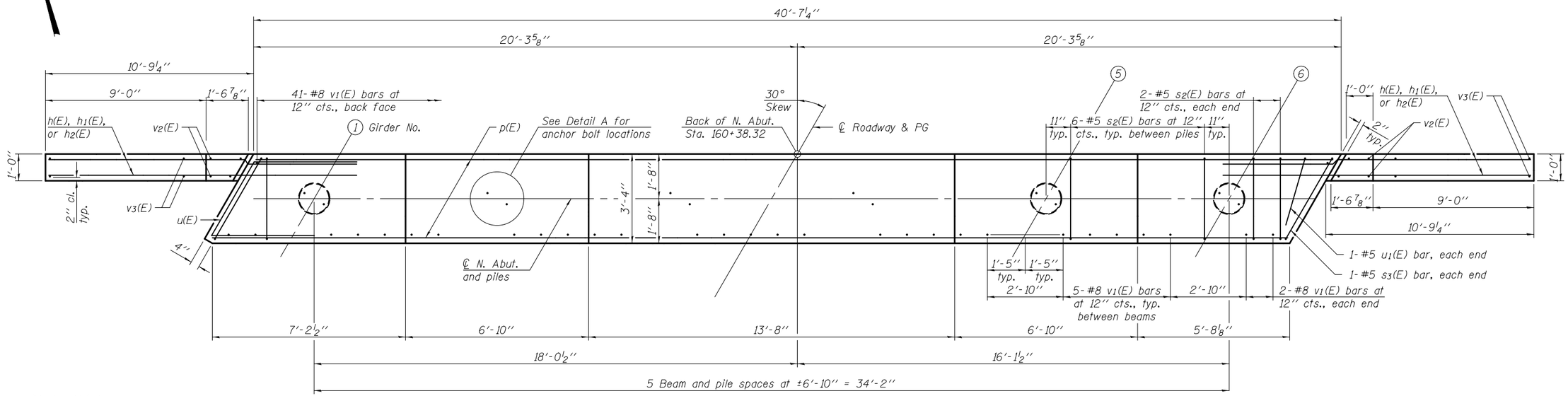
Type: MS 14" x 0.312" with conical tip pile shoes
Nominal Required Bearing: 489 kips
Factored Resistance Available: 269 kips
Est. Length: 49 ft.
No. Production Piles: 5
No. Test Piles: 1

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED		DATE - DECEMBER 2, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH ABUTMENT STRUCTURE NO. 057 - 0243	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - IRENE PANTOJA						1488	(17-RB-2)BR	MCLEAN	85	35
DRAWN - MICHAEL B. MOSSMAN	PASSED	ACTING ENGINEER OF BRIDGE DESIGN	REVISED ___					CONTRACT NO. 70534		
CHECKED - J.M.O. / I.P. / G.R.A.		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___		SHEET NO. 16 OF 21 SHEETS			ILLINOIS FED. AID PROJECT		

Notes:
Pour steps monolithically with cap.
See sheet 18 of 22 for wingwall reinforcement, additional details, and Bill of Materials.
Space reinforcement in cap to miss anchor bolts.



ELEVATION
(Looking North)

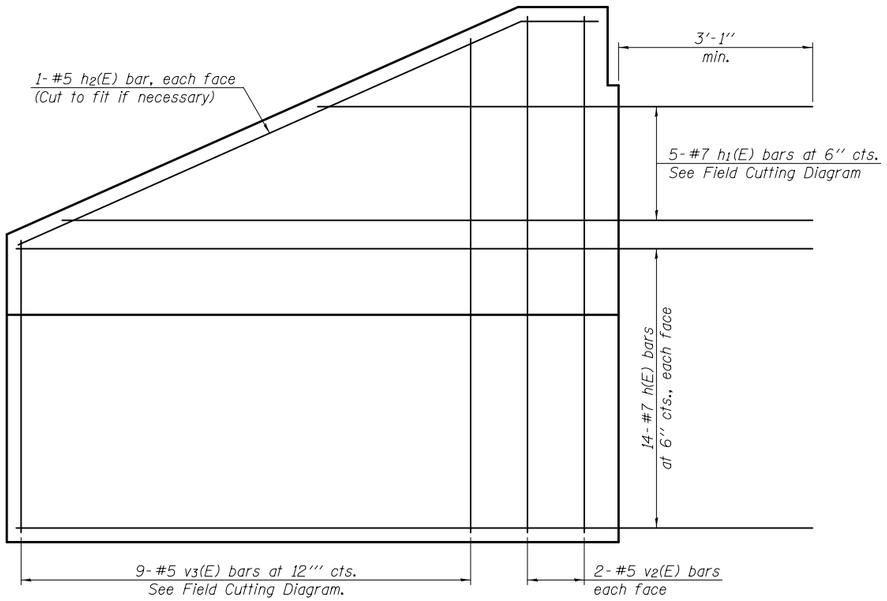


PLAN

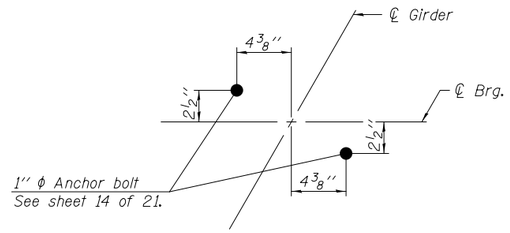
PILE DATA

Type: MS 14" x 0.312" with conical tip pile shoes
Nominal Required Bearing: 489 kips
Factored Resistance Available: 269 kips
Est. Length: 38 ft.
No. Production Piles: 6

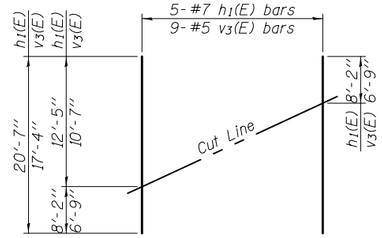
DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	ACTING ENGINEER OF BRIDGE DESIGN	DATE - DECEMBER 2, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTH ABUTMENT STRUCTURE NO. 057 – 0243	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - IRENE PANTOJA	PASSED	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___		SHEET NO. 17 OF 21 SHEETS	1488	(17-RB-2)BR	MCLEAN	85	36
DRAWN - MICHAEL B. MOSSMAN			REVISED ___						CONTRACT NO. 70534	
CHECKED - J.M.O. / I.P. / G.R.A.								ILLINOIS	FED. AID PROJECT	



WINGWALL ELEVATION

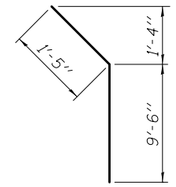


DETAIL A

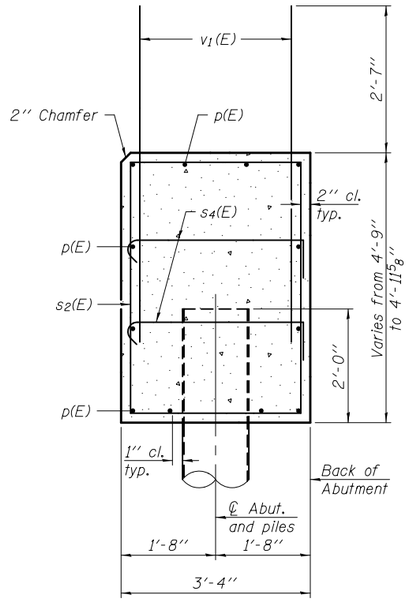


FIELD CUTTING DIAGRAM

Order $h_1(E)$ and $v_3(E)$ full length. Cut as shown and use remainder of bars in opposite face.

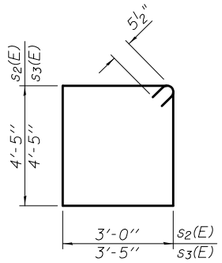


BAR $h_2(E)$

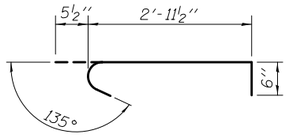


SECTION THRU ABUTMENT

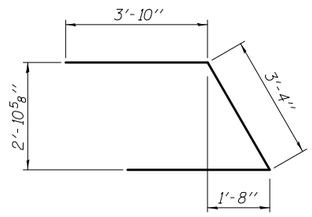
(Dimensions are at right angles to abutment)



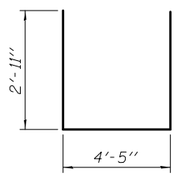
BARS $s_2(E)$ & $s_3(E)$



BAR $s_4(E)$



BAR u(E)



BARS u1(E)

SOUTH ABUTMENT BILL OF MATERIAL

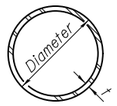
Bar	No.	Size	Length	Shape
h(E)	56	#7	13'-8"	
h1(E)	10	#7	20'-7"	
h2(E)	4	#5	10'-10"	
p(E)	12	#7	40'-3"	
s2(E)	34	#5	15'-9"	
s3(E)	2	#5	16'-7"	
s4(E)	24	#5	3'-11"	
u(E)	10	#6	11'-0"	
u1(E)	2	#5	10'-3"	
v1(E)	70	#8	5'-11"	
v2(E)	8	#5	10'-7"	
v3(E)	18	#5	17'-4"	
Structure Excavation		Cu. Yd.	48.0	
Concrete Structures		Cu. Yd.	31.7	
Reinforcement Bars, Epoxy Coated		Pound	5,410	
Furnishing Metal Shell Piles 14" x 0.312"		Foot	245	
Driving Piles		Foot	245	
Test Pile Metal Shells		Each	1	
Pile Shoes		Each	6	

NORTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	56	#7	13'-8"	
h1(E)	10	#7	20'-7"	
h2(E)	4	#5	10'-10"	
p(E)	12	#7	40'-3"	
s2(E)	34	#5	15'-9"	
s3(E)	2	#5	16'-7"	
s4(E)	24	#5	3'-11"	
u(E)	10	#6	11'-0"	
u1(E)	2	#5	10'-3"	
v1(E)	70	#8	5'-11"	
v2(E)	8	#5	10'-7"	
v3(E)	18	#5	17'-4"	
Structure Excavation		Cu. Yd.	48.0	
Concrete Structures		Cu. Yd.	31.6	
Reinforcement Bars, Epoxy Coated		Pound	5,410	
Furnishing Metal Shell Piles 14" x 0.312"		Foot	228	
Driving Piles		Foot	228	
Pile Shoes		Each	6	

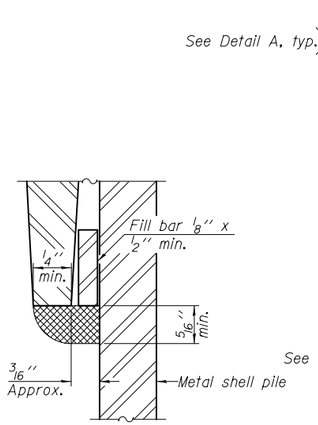
For details of piles see sheet 19 of 21.

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ABUTMENT DETAILS STRUCTURE NO. 057 - 0243	F.A.S. RTE. 1488 / SECTION (17-RB-2)BR / COUNTY MCLEAN / TOTAL SHEETS 85 / SHEET NO. 37
CHECKED - IRENE PANTOJA	PASSED	REVISED		SHEET NO. 18 OF 21 SHEETS	CONTRACT NO. 70534
DRAWN - MICHAEL B. MOSSMAN	ACTING ENGINEER OF BRIDGE DESIGN	REVISED			ILLINOIS FED. AID PROJECT
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGES AND STRUCTURES				

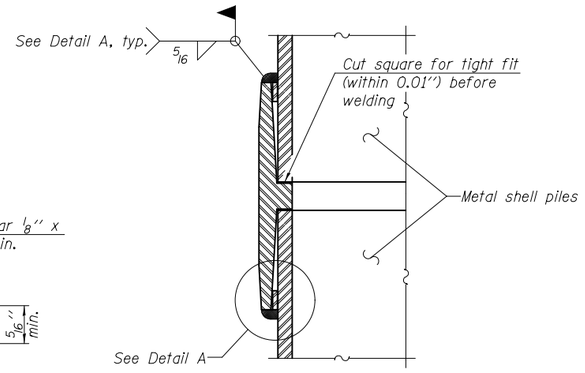


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume ($yd.^3$ /ft.)
PP12	0.179″	22.60	0.0274
PP12	0.250″	31.37	0.0267
PP14	0.250″	36.71	0.0368
PP14	0.312″	45.61	0.0361

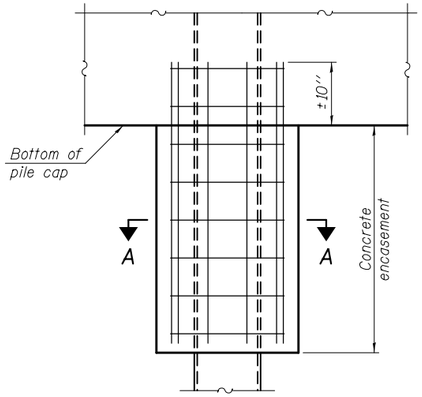


DETAIL A

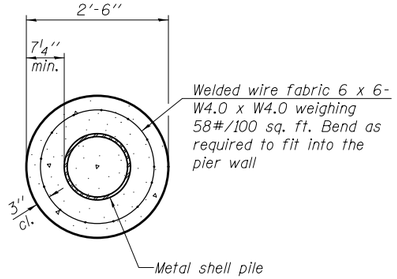


Notes:
The 1/8″ x 1/2″ min. fill bar may be constructed of 2 bars with a 1/8″ max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE



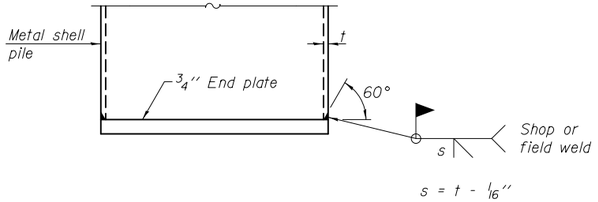
ELEVATION



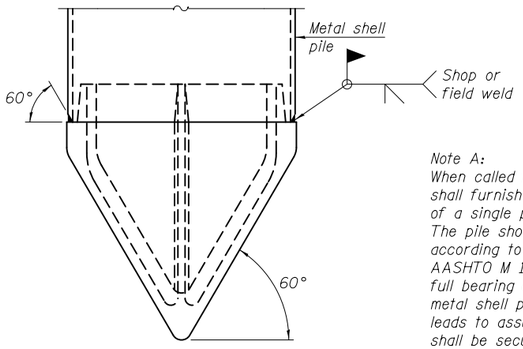
SECTION A-A

Note:
Forms for encasement may be omitted when soil conditions permit.

CONCRETE ENCASEMENT AT PIERS



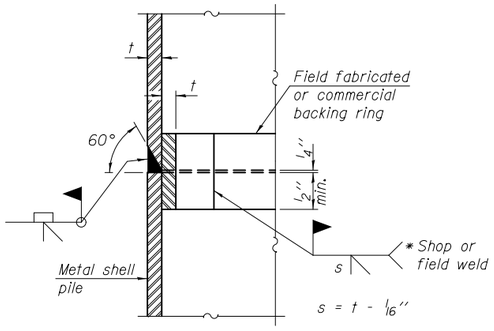
END PLATE ATTACHMENT



Note A:
When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.

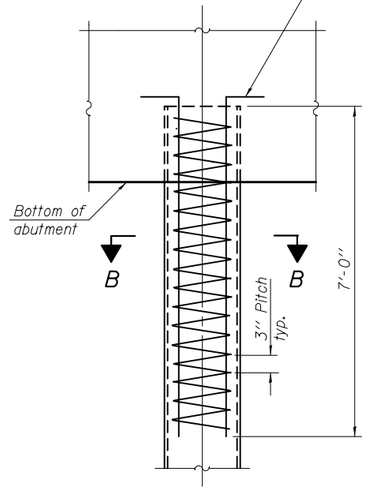
METAL SHELL PILE SHOE ATTACHMENT

(See Note A)

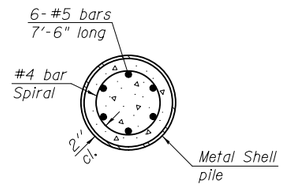


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

METAL SHELL REINFORCEMENT AT ABUTMENTS

Note:
The metal shell piles shall be according to ASTM A 252 Grade 3.

F-MS 1-27-12

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**METAL SHELL PILE DETAILS STRUCTURE NO. 057 – 0243**	F.A.S. RTE. 1488 / SECTION (17-RB-2)BR / COUNTY MCLEAN / TOTAL SHEETS 85 / SHEET NO. 38
CHECKED - IRENE PANTOJA					CONTRACT NO. 70534
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED —		SHEET NO. 19 OF 21 SHEETS	ILLINOIS FED. AID PROJECT
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGE DESIGN / ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED —			

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Date 1/17/13

ROUTE Old Rt 66 DESCRIPTION Northeast quadrant of Timber Creek Structure LOGGED BY Dale Miller

SECTION (17-RB-2)BR LONGITUDE -89.113439 LATITUDE 40.361795

COUNTY McLean DRILLING METHOD Hollow stem HAMMER TYPE Auto

STRUCT. NO. 057-0003 (Exist)
Station 159+89.8

BORING NO. 1
Station 160+62
Offset 23.00ft Rt.
Ground Surface Elev. 688.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 25.5 ft
After 18 Hrs. 25 ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Material
				Top soil (11 in)
				687.48
	2			Very stiff, brown, silty clay fill, trace gravel
	4	2.01		
	6			
-5	2			Very stiff, brown silty clay fill, trace organics, limestone pieces
	3	2.5		
	5			
				681.40
	2			Very stiff, brown, gray, black silty clay fill, trace sand, trace organics
	5	2.4		
	6			
-10	3			Very stiff, dark gray silty clay fill
	4	2.58		
	5			
	4			Hard gray, green silty clay fill, trace gravel, trace organics
	5	3.71		
	6			
				674.40
-15	4			Very stiff, high plasticity, grey clay with thin silt seams near end of sample
	6	2.64		
	5			
	5			Firm, damp gray clay fill
	5	0.65		
	4			
-20	4			
	6			Firm, damp gray clay fill (continued)
				667.90
	6	1.92		Very stiff black topsoil, organics, wood
	7			
	4			Very stiff black topsoil
	5	1.92		
	7			
-25	2			Stiff Black topsoil, organics, wood
	3	0.9		
	4			
	3			
				660.40
	4	-		Loose, wet, gray medium sand, trace silt gravel seam
	5			
-30	2			
				657.90
	3	-		Stiff, gray silty clay with trace gravel
	3			
				656.90
-35	10			Dense, gray silty sand and gravel, limestone fragment at bottom
	16	-		
	23			
-40	15			

The U.C.S. Qu column represents the Unconfined Compressive Strength using either the IDOT Rimac Test Procedure or AASHTO 208. The Qu failure mode is indicated by B for Bulge or S for Shear. P is shown when sample disturbance only allows Penetrometer testing. The Standard Penetration Test (SPT) N value is the sum of the second and third Blows /6in. values in each sample using AASHTO T 206.

BBS, form 137

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Date 1/17/13

ROUTE Old Rt 66 DESCRIPTION Northeast quadrant of Timber Creek Structure LOGGED BY Dale Miller

SECTION (17-RB-2)BR LONGITUDE -89.113439 LATITUDE 40.361795

COUNTY McLean DRILLING METHOD Hollow stem HAMMER TYPE Auto

STRUCT. NO. 057-0003 (Exist)
Station 159+89.8

BORING NO. 1
Station 160+62
Offset 23.00ft. Rt.
Ground Surface Elev. 688.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 25.5 ft
After 18 Hrs. 25 ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Material
	18	-		Dense gray silty sandy gravel, pushed rock 2 in recovery
	16			
-45	12			Dense gray silty fine-medium gravel with sand
	16	-		
	17			
-50	12			Dense gray silty fine-medium gravel with coarse sand
	17	-		
	19			
-55	12			Dense gray fine-medium sand and gravel, trace silt
	14	-		
	19			
-60	8			Washed 2 ft of brown sand out of auger
	15	-		Dense coarse fine-medium gravel
	17			
-65	306/1"			
	622.90			
	722/1"	4.5		Hard, gray silty till, dry
-70	27			Hard, dark gray silty till
	34	4.5		
	43			
-75	716/1"			Hard, gray silty till
		7.86		
	610.90			
-80	15			Very dense, gray, silty, clayey gravel till

The U.C.S. Qu column represents the Unconfined Compressive Strength using either the IDOT Rimac Test Procedure or AASHTO 208. The Qu failure mode is indicated by B for Bulge or S for Shear. P is shown when sample disturbance only allows Penetrometer testing. The Standard Penetration Test (SPT) N value is the sum of the second and third Blows /6in. values in each sample using AASHTO T 206.

BBS, form 137

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Date 1/17/13

ROUTE Old Rt 66 DESCRIPTION Northeast quadrant of Timber Creek Structure LOGGED BY Dale Miller

SECTION (17-RB-2)BR LONGITUDE -89.113439 LATITUDE 40.361795

COUNTY McLean DRILLING METHOD Hollow stem HAMMER TYPE Auto

STRUCT. NO. 057-0003 (Exist)
Station 159+89.8

BORING NO. 1
Station 160+62
Offset 23.00ft. Rt.
Ground Surface Elev. 688.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 25.5 ft
After 18 Hrs. 25 ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Material
	10/4"	-		Very stiff, gray silty clayey till with gravel, large rock pieces
				605.40
-85	7/5"			Dense, gray silty medium sand/fine gravel
		-		
				600.90
-90	15			Hard dark gray silty till, wood fragments
	25	10.9		
	37			
				597.40
				End of Boring
-95				
-100				

The U.C.S. Qu column represents the Unconfined Compressive Strength using either the IDOT Rimac Test Procedure or AASHTO 208. The Qu failure mode is indicated by B for Bulge or S for Shear. P is shown when sample disturbance only allows Penetrometer testing. The Standard Penetration Test (SPT) N value is the sum of the second and third Blows /6in. values in each sample using AASHTO T 206.

BBS, form 137

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS STRUCTURE NO. 057 - 0243**	F.A.S. RTE. 1488 / SECTION (17-RB-2)BR / COUNTY MCLEAN / TOTAL SHEETS 85 / SHEET NO. 39
CHECKED - IRENE PANTOJA					CONTRACT NO. 70534
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED ___		SHEET NO. 20 OF 21 SHEETS	ILLINOIS FED. AID PROJECT
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGE DESIGN / ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___			

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Date 11813

ROUTE Old Rt 66 DESCRIPTION Southeast quadrant of Timber Creek Structure LOGGED BY Dale Miller

SECTION (17-RB-2)BR LONGITUDE -89.113827 LATITUDE 40.361453

COUNTY McLean DRILLING METHOD Hollow stem HAMMER TYPE Auto

STRUCT. NO. 057-0003 (Exist)
Station 159+89.8

BORING NO. 2
Station 159+03
Offset 35.00ft ft, Rt.
Ground Surface Elev. 686.18 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 24.5 ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Topsoil (8")
685.51				
	2			Firm, brown silty clay, fill
	4	0.7		
	4			
-5	2			Very stiff, brown silty clay, fill
	3	2.18		
	3			
678.68				
	5			Very stiff, dark gray-greenish clay, trace gravel, organics, fill
	6	2.5		
	7			
-10	2			Very stiff, light brown clay fill with silt and black topsoil, trace organics
	3	2.21		
	3			
674.18				
	5			Hard, dark black top soil
	5	3.05		
	6			
-15	5			Very stiff, black topsoil, trace silt
	6	2.84		
	7			
	3			Firm, gray silty topsoil, gravel, organics
	3	0.65		
	5			
-20	2			
	3			Black silty clay, organics, trace gravel
	4	1.09		
663.68				
	8			Very stiff, brown silty clay till
	12	2.84		
	15			
662.18				
-25	7			Hard, gray silty till
	8	3.1		
	10			
	4			Hard, gray silty till
	7	4.27		
	9			
-30	7			Hard gray silty till with thin sand seams
	8	5.24		
	10			
653.16				
-35	3			Loose, Silty gray clayey sand and gravel, wet
	4	0.44		
	5			
-40	4			

The U.C.S. Qu column represents the Unconfined Compressive Strength using either the IDOT Rimac Test Procedure or AASHTO 208. The Qu failure mode is indicated by B for Bulge or S for Shear. P is shown when sample disturbance only allows Penetrometer testing. The Standard Penetration Test (SPT) N value is the sum of the second and third Blows /6in. values in each sample using AASHTO T 206.

BBS, form 137

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Date 11813

ROUTE Old Rt 66 DESCRIPTION Southeast quadrant of Timber Creek Structure LOGGED BY Dale Miller

SECTION (17-RB-2)BR LONGITUDE -89.113827 LATITUDE 40.361453

COUNTY McLean DRILLING METHOD Hollow stem HAMMER TYPE Auto

STRUCT. NO. 057-0003 (Exist)
Station 159+89.8

BORING NO. 2
Station 159+03
Offset 35.00ft ft, Rt.
Ground Surface Elev. 686.18 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 24.5 ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
	5	-		Loose, silty sand and gravel
	8			
625.18				
				End of Boring
-45	8			Loose, medium sand and gravel
	10	-		
	12			
-50	8			Medium dense, silty sand and gravel
	11	-		
	13			
634.18				
				Hard drilling
-55				
	1016"			Hard, gray silty till
		4.0		
-60	31			
				Hard, gray silty till (continued)
-65	692"	-		
-70				
-75				
-80				

The U.C.S. Qu column represents the Unconfined Compressive Strength using either the IDOT Rimac Test Procedure or AASHTO 208. The Qu failure mode is indicated by B for Bulge or S for Shear. P is shown when sample disturbance only allows Penetrometer testing. The Standard Penetration Test (SPT) N value is the sum of the second and third Blows /6in. values in each sample using AASHTO T 206.

BBS, form 137

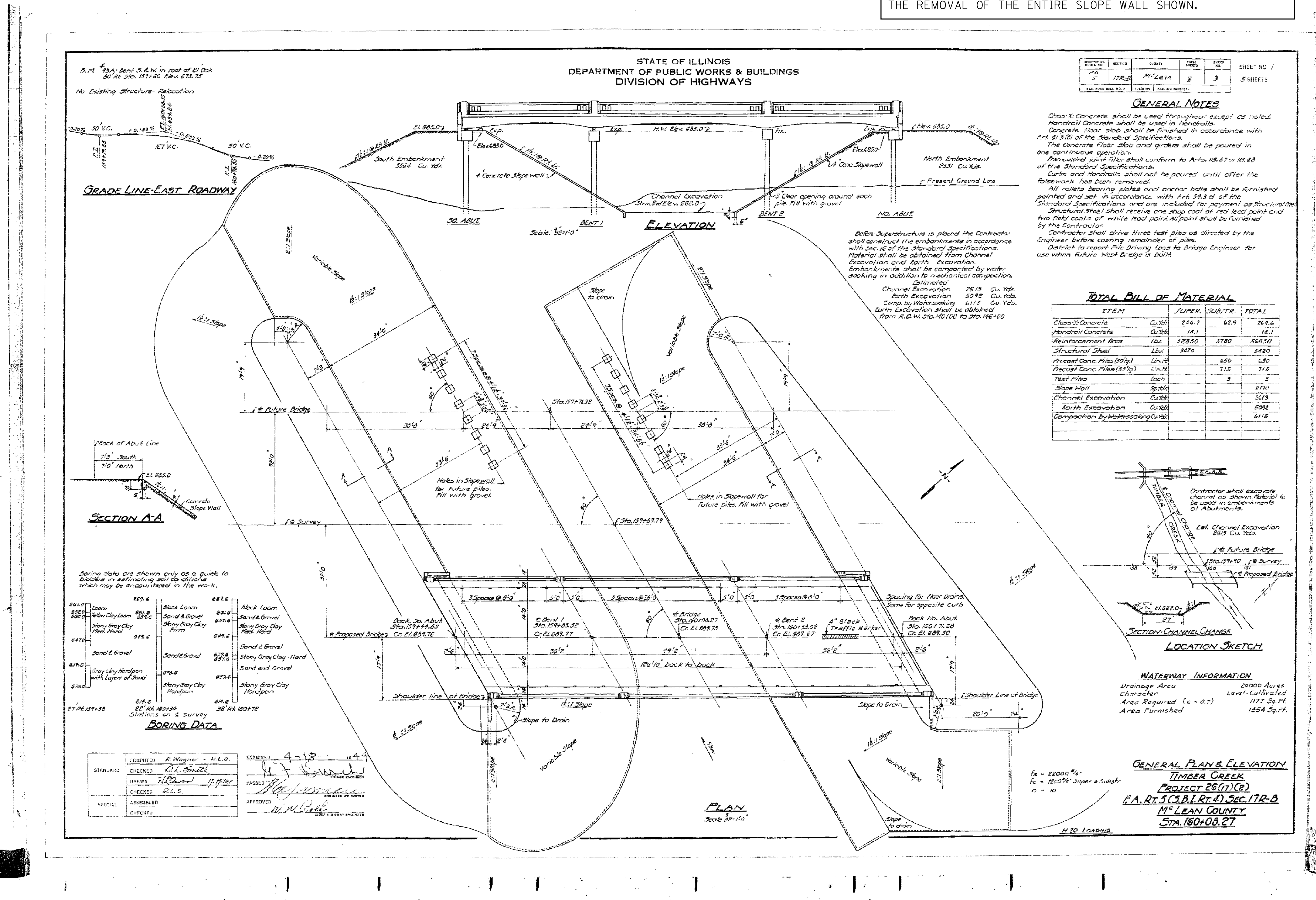
DESIGNED - JOSHUA M. ODORIZZI	EXAMINED	DATE - DECEMBER 2, 2014	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
CHECKED - IRENE PANTOJA			
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED ___	
CHECKED - J.M.O. / I.P. / G.R.A.	ACTING ENGINEER OF BRIDGE DESIGN ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___	

SOIL BORING LOGS
STRUCTURE NO. 057 - 0243
SHEET NO. 21 OF 21 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	40
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

AS-BUILT PLANS
FOR INFORMATION ONLY

NOTE:
THE SLOPE WALL SHOWN PER THIS DETAIL WAS CONSTRUCTED FOR TWO (2) STRUCTURES. ONLY ONE STRUCTURE EXISTS AND S.N. 057-0003 IS ON THE WEST SIDE AND NOT THE EAST SIDE AS SHOWN. REMOVAL OF EXISTING STRUCTURES SHALL INCLUDE THE REMOVAL OF THE ENTIRE SLOPE WALL SHOWN.



TOTAL BILL OF MATERIAL

ITEM		SUPER.	SUBSTR.	TOTAL
Class X Concrete	Cu. Yds.	206.7	62.9	269.6
Handrail Concrete	Cu. Yds.	14.1		14.1
Reinforcement Bars	Lbs.	52850	3780	56630
Structural Steel	Lbs.	5420		5420
Precast Conc. Piles (30' lg.)	Lin. Ft.		650	650
Precast Conc. Piles (33' lg.)	Lin. Ft.		715	715
Test Piles	Each		3	3
Slope Wall	Sq. Yds.			2170
Channel Excavation	Cu. Yds.			2613
Earth Excavation	Cu. Yds.			5092
Compaction by Watersoaking	Cu. Yds.			6115

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
FOR INFORMATION ONLY

SCALE: NONE | SHEET 1 OF 6 SHEETS | STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	41

CONTRACT NO. 70534
ILLINOIS FED. AID PROJECT

AS-BUILT PLANS
FOR INFORMATION ONLY

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

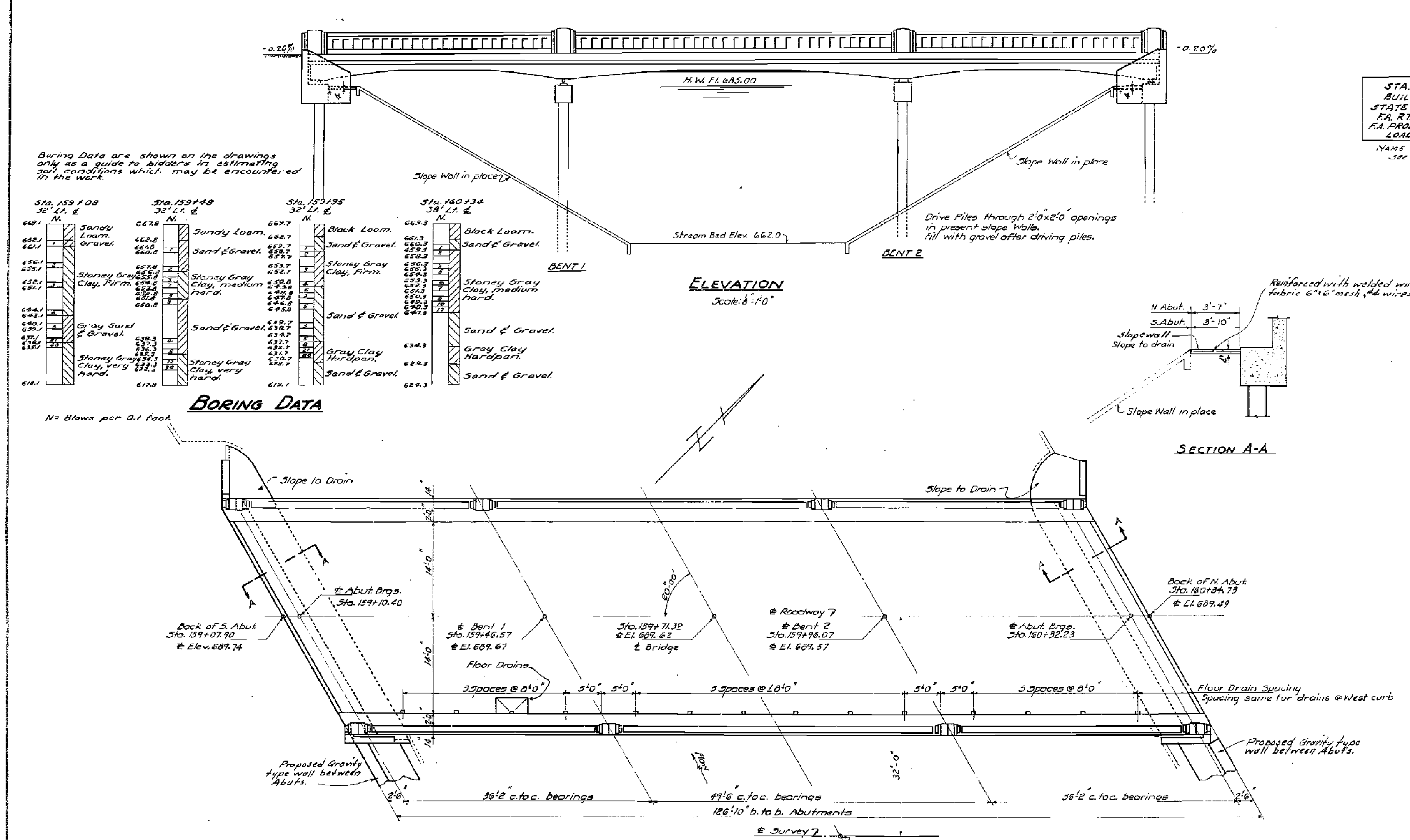
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 5	17RB-2	McLean	8	4
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT - F.I.-26(48)		

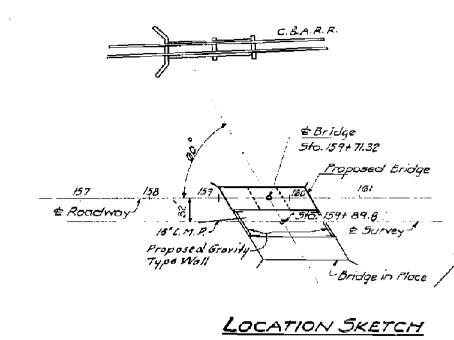
SHEET NO. 1
5 SHEETS

B.M. 13A-Bent 5 & W. in Root of 21" Oak 80' Rt. Sta. 159+60 El. 673.65
No existing structure on this alignment.

STA. 159+89.8(2)
BUILT 195- BY
STATE OF ILLINOIS
F.A. RT. 5 SEC. 17RB-2
F.A. PROJ. F.I.-26(48)
LOADING H20-S16

NAME PLATE LETTERING
See Std. 213





BILL OF MATERIAL

ITEM		SUPER	SUBSTR.	TOTAL
Class X Concrete	Cu. Yd.	206.7	62.9	269.6
Handrail Concrete	Cu. Yd.	14.1		14.1
Reinforcement Bars	Lbs.	56050	3780	59830
Structural Steel	Lbs.	5420		5420
Precast Conc. Piles (60' lg.)	Lin. Ft.		1440	1440
Slopewall	Sq. Yds.			40
Name Plate	Each	1		1
Test Pile	Each		2	2
Class A Concrete	Cu. Yds.			49
Corr. Metal Pipe (15" dia.)	Lin. Ft.			30

GENERAL NOTES

Class X Concrete shall be used throughout except as noted.
Handrail Concrete shall be used in Handrails.
Concrete floor slab shall be finished in accordance with Art. 51.18(a) and the applicable portions of Arts. 48.18 & 48.20 of the Standard Specifications.
The Concrete floor slab and girders shall be poured in one continuous operation between the longitudinal bonded joints shown.
Handrail shall not be poured until after the falsework has been removed.
All rollers, bearing plates and anchor bolts shall be finished, painted and set in accordance with Art. 51.14 of the Standard Specifications and are included for payment as "Structural Steel."
Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. All paint shall be furnished and applied by the Contractor.
The Contractor shall drive two test piles in permanent locations, as directed by the Engineer, before casting remainder of piles.

WATERWAY INFORMATION

Drainage Area		20,000 Acres
Character		Level, Cultivated
Area Required	(C=0.7)	1177 Sq. Ft.
Area Furnished		1354 Sq. Ft.

f_s = 20,000 #/□"
f_c = 1400 #/□" Super
n = 10

H20-S16 - Loading

COMPUTED R.W. / W.P. Graham
CHECKED R.L.S. / R. D. Collins
DRAWN W. Owen / G. Miller
CHECKED C.L.S.

EXAMINED 5-1 1953
W.E. Hanson
PASSED
APPROVED
F.N. Barker

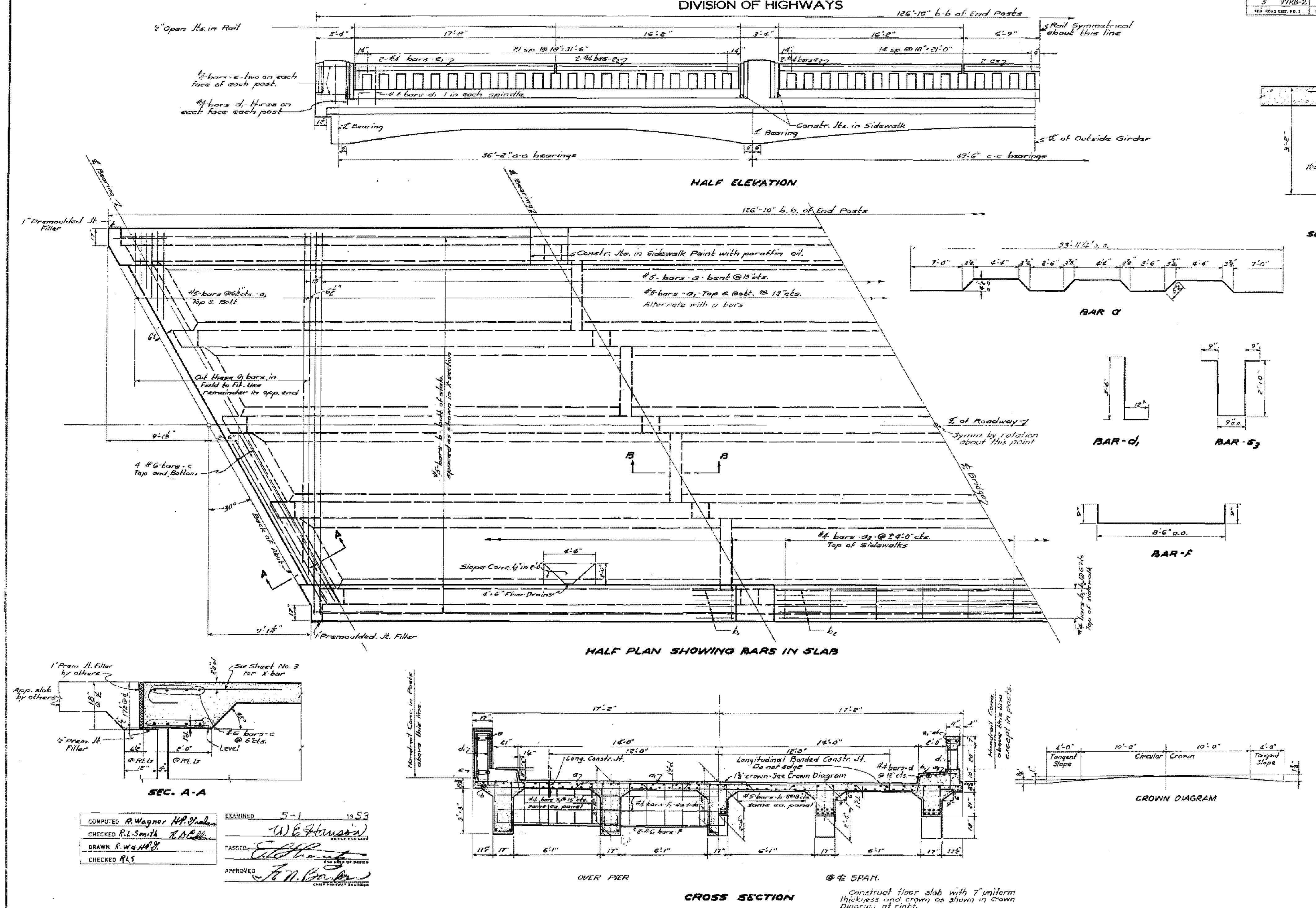
Name Plate Data Revised
Boring Data Added 3-17-53 J.G.

GENERAL PLAN & ELEVATION
TIMBER CREEK

F.A. RT. 5 (S.B.I. RT. 4) SEC. 17R-B-2
McLEAN COUNTY
STA. 159+89.8 (2)

AS–BUILT PLANS
FOR INFORMATION ONLY

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



BILL OF MATERIAL

Bar	No.	Size	Length
a	100	#5	34'-9"
a1	262	#5	39'-0"
a3	64	#4	2'-6"
b	170	#5	26'-9"
b1	48	#4	19'-6"
b2	24	#4	23'-9"
c	16	#6	36'-0"
d	652	#4	1'-0"
d1	202	"	4'-6"
e	32	"	3'-0"
e1	8	"	17'-6"
e2	16	"	16'-0"
e3	4	"	13'-3"
f	16	#6	10'-0"
f1	32	#4	8'-6"
s3	40	"	7'-9"

Class "X" Concrete	Cu. Yds. 206.7
Handrail Conc.	Cu. Yds. 14.1
Reinforcement Bars	Lbs. 21410
Structural Steel*	Lbs. 5420

* Includes bearing plates, rollers and anchor bolts.

Longitudinal bars in top of slab, and bars in girders are listed on Sheet #3

TIMBER CREEK
CROSS SECTION AND SLAB

(S.B.I. RTE. 4) F.A. RTE. 5
SECTION 17RB-2
McLEAN CO.
STA. 159+71.32 - WEST BRIDGE
STA. 159+89.8(2)

COMPUTED R. Wagner — CHECKED R.L. Smith — DRAWN R. Wagner — CHECKED RLS
EXAMINED 5-1 1953

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
FOR INFORMATION ONLY

SCALE: NONE | SHEET 3 OF 6 SHEETS | STA. | TO STA.

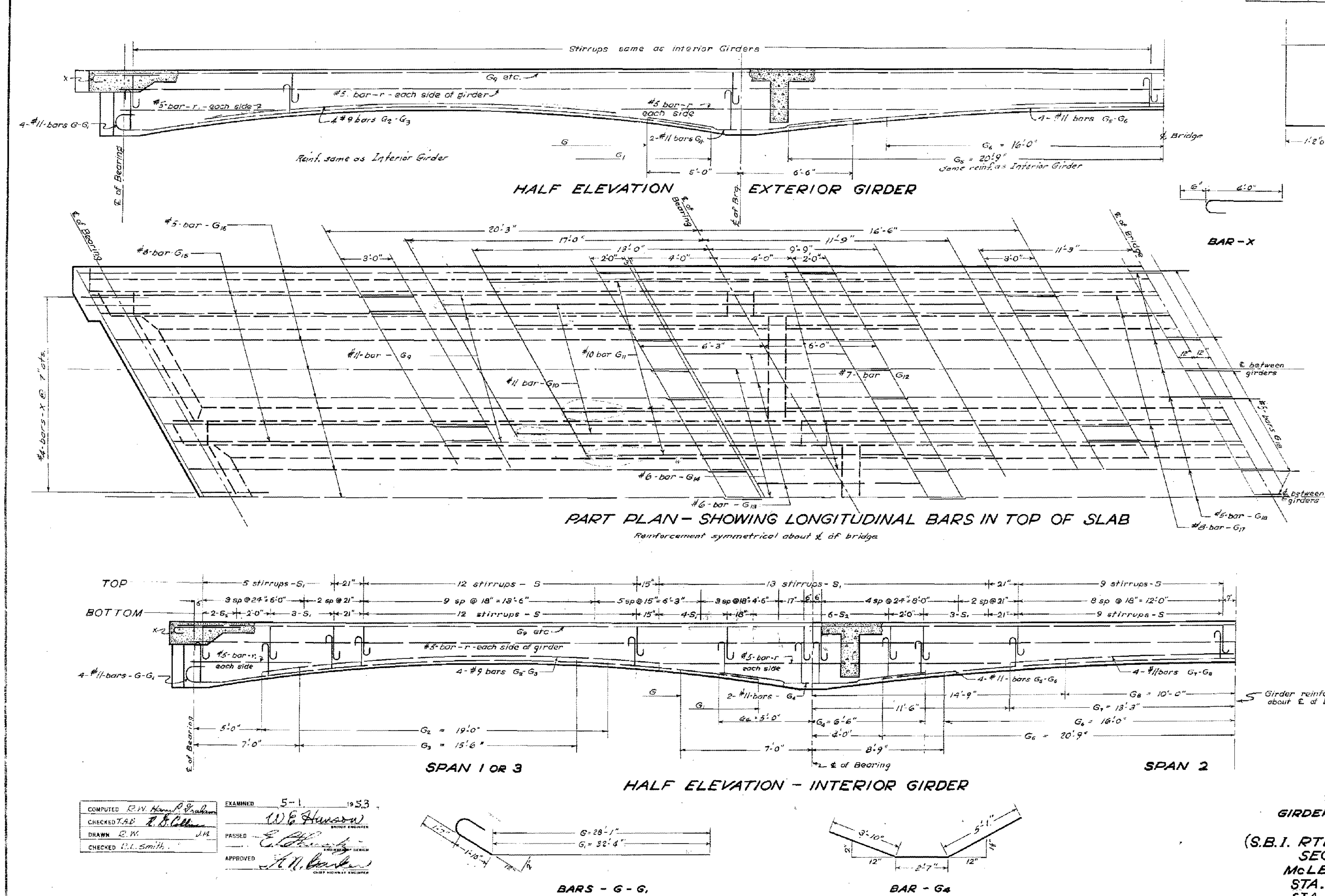
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	43

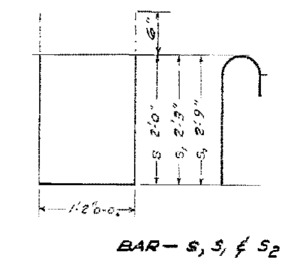
CONTRACT NO. 70534
ILLINOIS FED. AID PROJECT

AS–BUILT PLANS
FOR INFORMATION ONLY

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

SHEET NO. 3
5 SHEETS





BILL OF MATERIAL

Bar	No	Size	Length
G	20	#11	31'-6"
G_1	20	#11	35'-9"
G_2	20	#9	19'-0"
G_3	20	#9	15'-6"
G_4	20	#11	11'-6"
G_5	10	#11	41'-6"
G_6	10	#11	32'-0"
G_7	10	#11	26'-6"
G_8	10	#11	20'-0"
G_9	20	#11	39'-9"
G_{10}	10	#11	28'-9"
G_{11}	20	#10	22'-9"
G_{12}	20	#7	12'-3"
G_{13}	16	#6	8'-0"
G_{14}	8	#6	12'-3"
G_{15}	20	#8	20'-0"
G_{16}	28	#5	33'-6"
G_{17}	10	#8	22'-6"
G_{18}	28	#5	21'-9"
r	90	#5	19'-3"
r_1	20	#5	7'-3"
S	420	#4	6'-2"
S_1	280	#4	6'-8"
S_2	80	#4	7'-8"
X	124	#4	4'-6"
Reinforcement Bars Lbs. 34640			

COMPUTED R.W. Harn P. Graham
CHECKED T.A.S. R. E. Collins
DRAWN R.W. J.H.
CHECKED C.L. Smith
EXAMINED 5-1 1953 W. E. Hanson, BRIDGE ENGINEER
PASSED E. Ohrenich, ENGINEER OF DESIGN
APPROVED R. N. Carter, CHIEF HIGHWAY ENGINEER

TIMBER CREEK
GIRDER REINFORCEMENT
(S.B.I. RTE. 4) F.A. RTE. 5
SECTION 17RB-2
McLEAN COUNTY
STA. 159+71.32 · WEST BRIDGE
STA. 159+89.8 (E)

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		CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
FOR INFORMATION ONLY

SCALE: NONE | SHEET 4 OF 6 SHEETS | STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	44

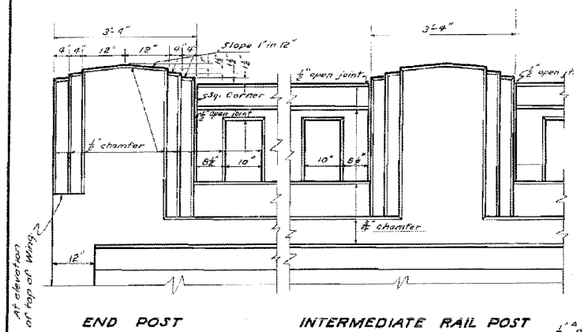
CONTRACT NO. 70534
ILLINOIS FED. AID PROJECT

AS–BUILT PLANS
FOR INFORMATION ONLY

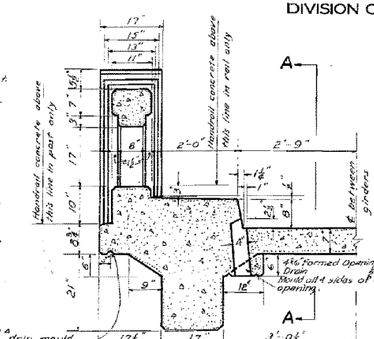
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5	(17-RB-2)BR	McLean	8	7
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	FE-22(48)	

SHEET NO. 4
5 SHEETS

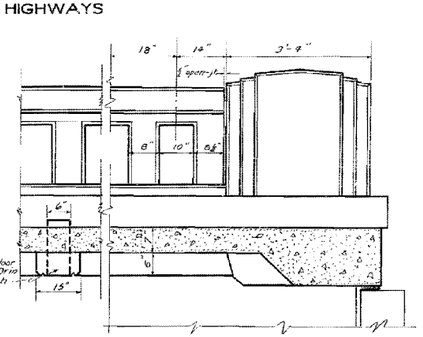


END POST

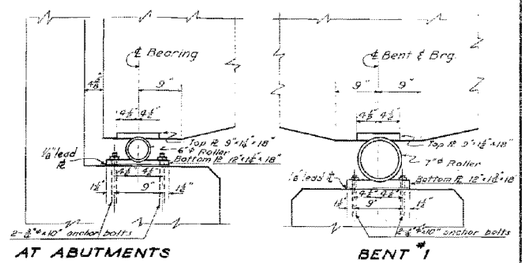


INTERMEDIATE RAIL POST

SECTION THRU RAIL

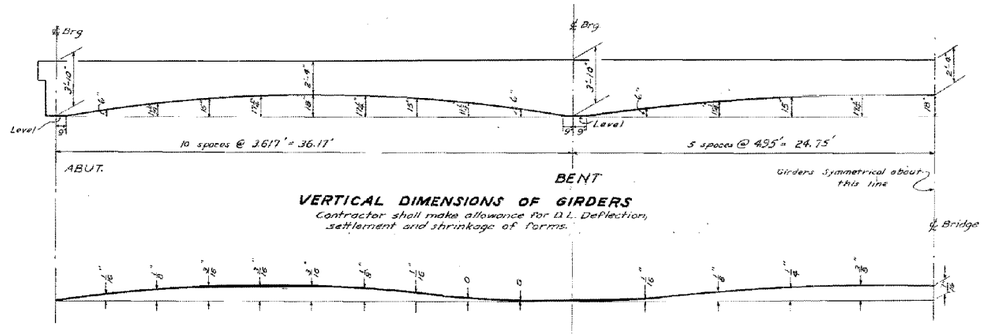


SECTION A-A



AT ABUTMENTS

BENT #1



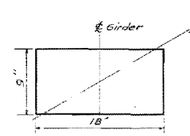
VERTICAL DIMENSIONS OF GIRDERS
Contractor shall make allowance for D.L. Deflection, settlement and shrinkage of forms.

DEAD LOAD DEFLECTION DIAGRAM

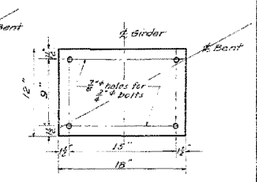
Girders Symmetrical about this line

℄ Bridge

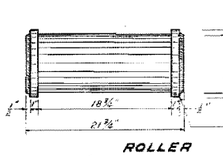
Rollers, bearing plates and Anchor Bolts Est. 5420 Lbs. of structural steel.



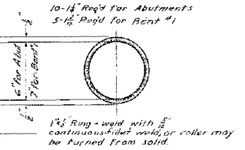
TOP PLATE
10-1½" Req'd for Abuts.
5-1½" Req'd for Bent #1

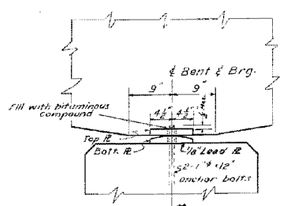


BOTTOM PLATE
10-1½" Req'd for Abutments
5-1½" Req'd for Bent #1

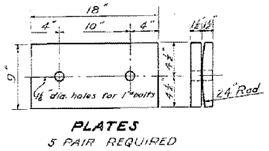


ROLLER
10-6" dia Req'd for Abutments
5-7" dia Req'd for Bent #1



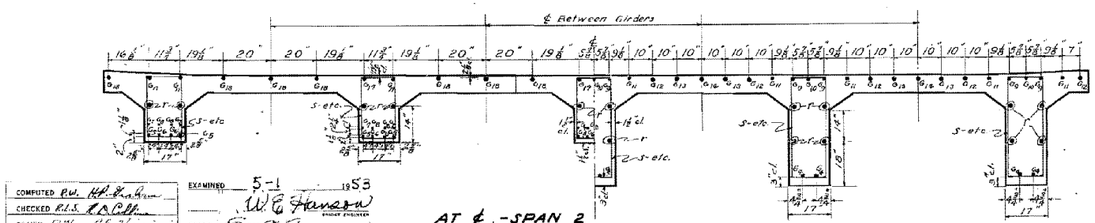


BENT #2



PLATES
5 PAIR REQUIRED

BEARING DETAILS



CROSS SECTION
Showing location of 'G' etc. bars

COMPUTED R.W.	EXAMINED 5-1 1953	
CHECKED R.I.S.	PASSED	
DRAWN R.W.	APPROVED	
CHECKED H.P.B.		

Rollers Revised 3-17-53 H.R.G.

TIMBER CREEK
MISCELLANEOUS DETAILS
(S.B.I. RT. 4) F.A. RT. 5
SEC. 17 R 8-2
McLEAN COUNTY
STA. 159+89.8(2)

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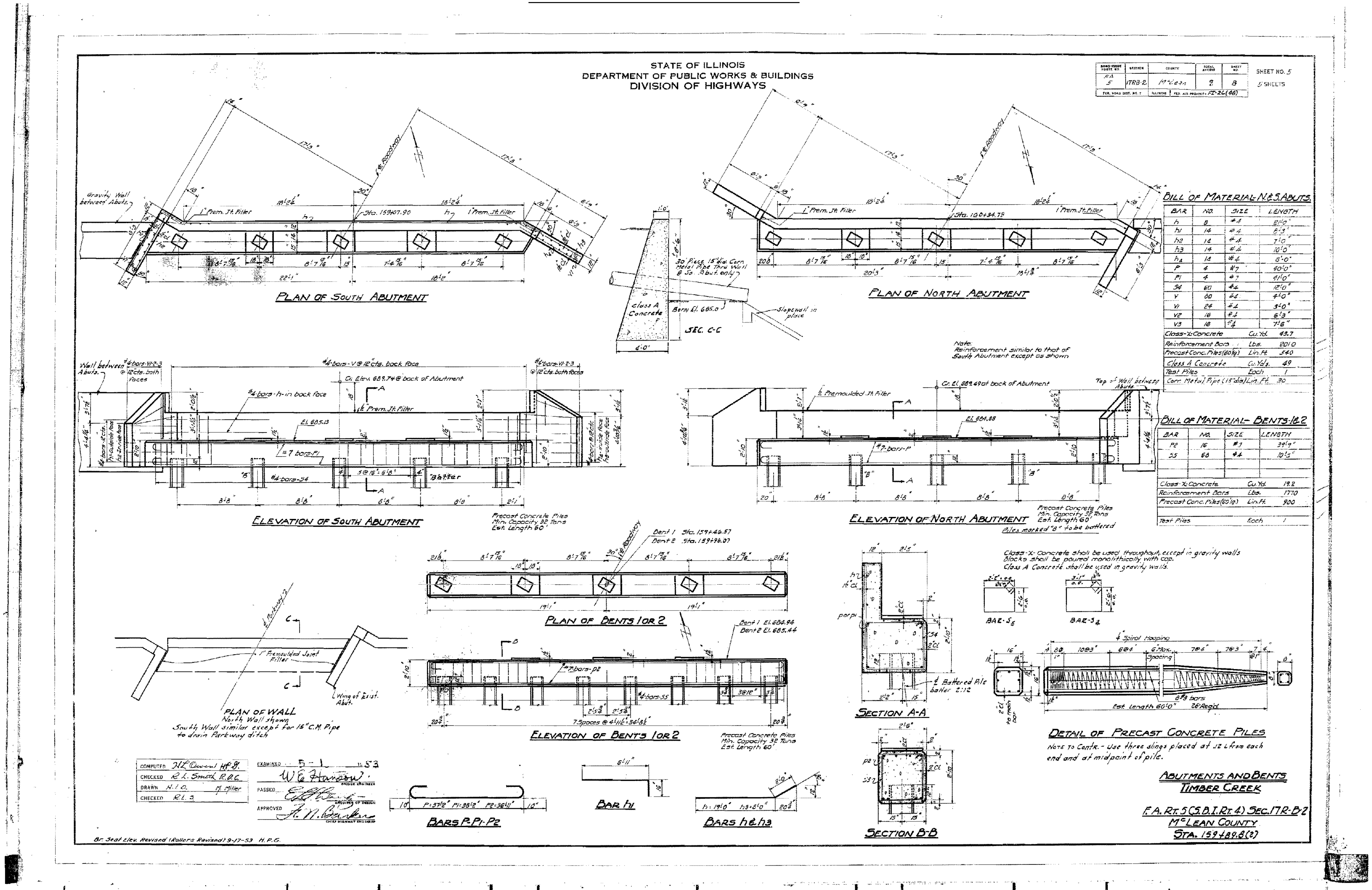
Default	PLOT DATE = 10/17/2014	CHECKED -	REVISED -	
		DATE -	REVISED -	

AS–BUILT PLANS
FOR INFORMATION ONLY

SCALE: NONE | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	45
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

AS–BUILT PLANS
FOR INFORMATION ONLY



BILL OF MATERIAL - N. & S. ABUTS.

BAR	NO.	SIZE	LENGTH
h	8	#4	21'-0"
h1	14	#4	6'-3"
h2	14	#4	7'-0"
h3	14	#4	10'-0"
h4	14	#4	8'-0"
P	4	#7	40'-0"
P1	4	#7	41'-0"
S4	60	#4	12'-0"
V	80	#4	4'-0"
V1	24	#4	5'-0"
V2	16	#4	6'-3"
V3	16	#4	7'-6"
Class-X-Concrete		Cu. Yd.	43.7
Reinforcement Bars		Lbs.	2010
Precast Conc. Piles (60' lg.)		Lin. Ft.	540
Class A Concrete		Cu. Yds.	49
Test Piles		Each	1
Corr. Metal Pipe (15" dia.)		Lin. Ft.	30

BILL OF MATERIAL - BENTS 1 & 2

BAR	NO.	SIZE	LENGTH
P2	16	#7	39'-9"
S5	68	#4	10'-3"
Class-X-Concrete		Cu. Yd.	19.2
Reinforcement Bars		Lbs.	1770
Precast Conc. Piles (60' lg.)		Lin. Ft.	900
Test Piles		Each	1

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
FOR INFORMATION ONLY

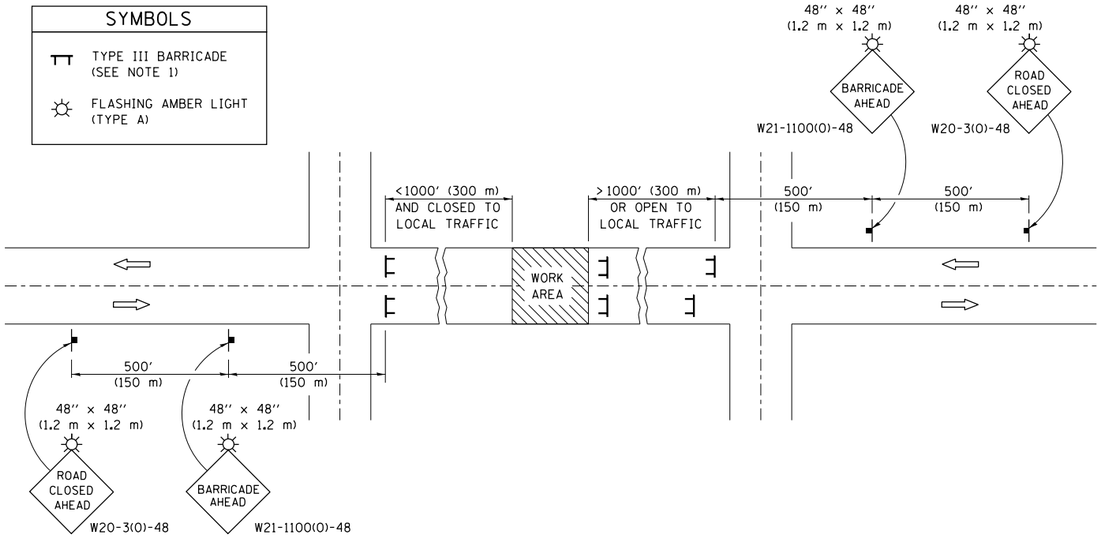
SCALE: NONE | SHEET 6 OF 6 SHEETS | STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	46

CONTRACT NO. 70534

ILLINOIS FED. AID PROJECT

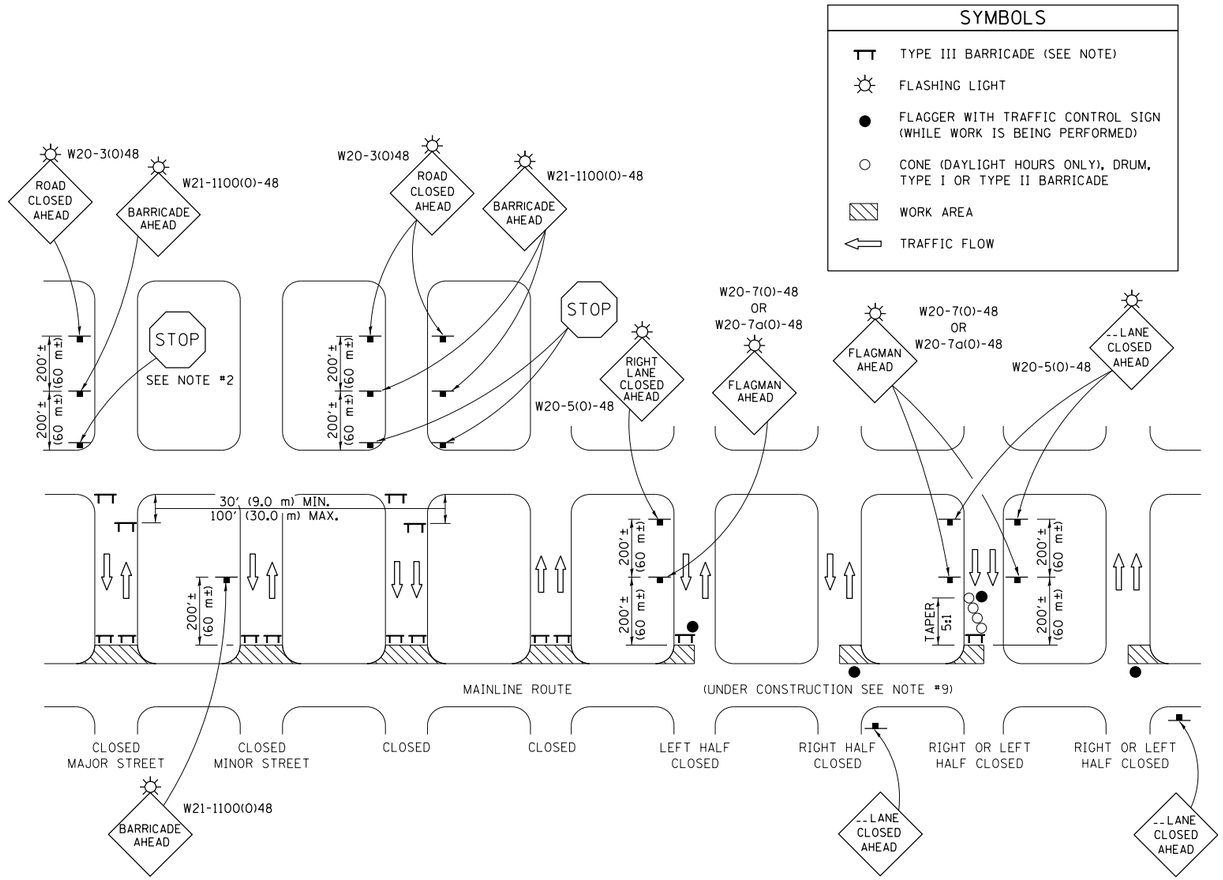
ROAD CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
3. WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
4. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
5. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
6. REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TY III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
7. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
8. A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. FORMS BT. 725 AND BT. 726 ARE REQUIRED.
11. WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
12. AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SIDEROAD / STREET CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
3. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
4. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
5. ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
7. FORMS BT 725 AND BT 726 ARE REQUIRED.
8. THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
9. ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 70200000

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	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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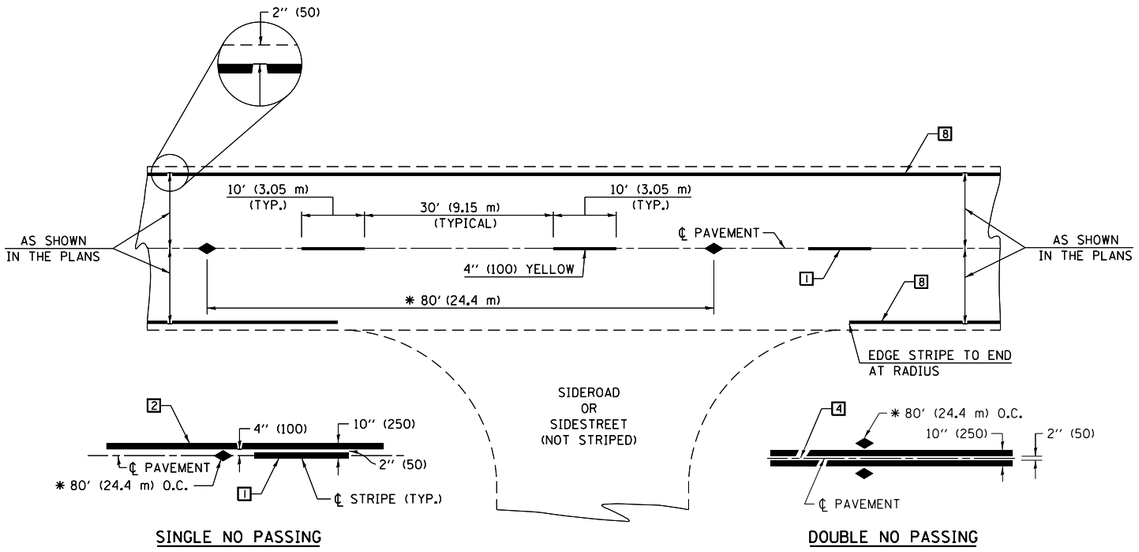
		CONTRACT NO. 70534		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SINGLE NO PASSING

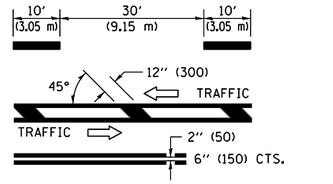
DOUBLE NO PASSING

* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

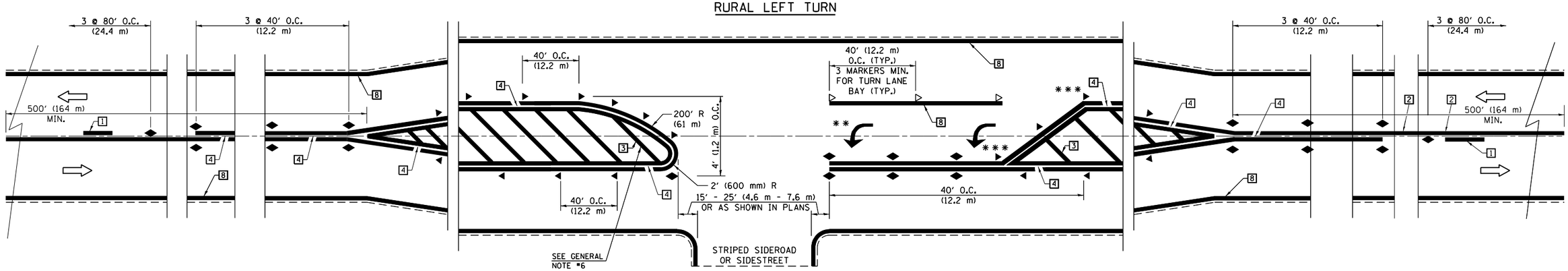
1. 4" (100) SKIP-DASH (YELLOW)
2. 4" (100) SOLID (YELLOW)
3. 12" (300) DIAGONAL (YELLOW)
4. 4" (100) DOUBLE YELLOW (NARROW)
5. RESERVED
6. RESERVED
7. 4" (100) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) SOLID (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200) SOLID (WHITE)
13. 4" (100) LANE LINE EXTENSIONS (WHITE)
14. 4" (100) PARKING WHITE



TYPICAL PAVEMENT MARKERS LEGEND

- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

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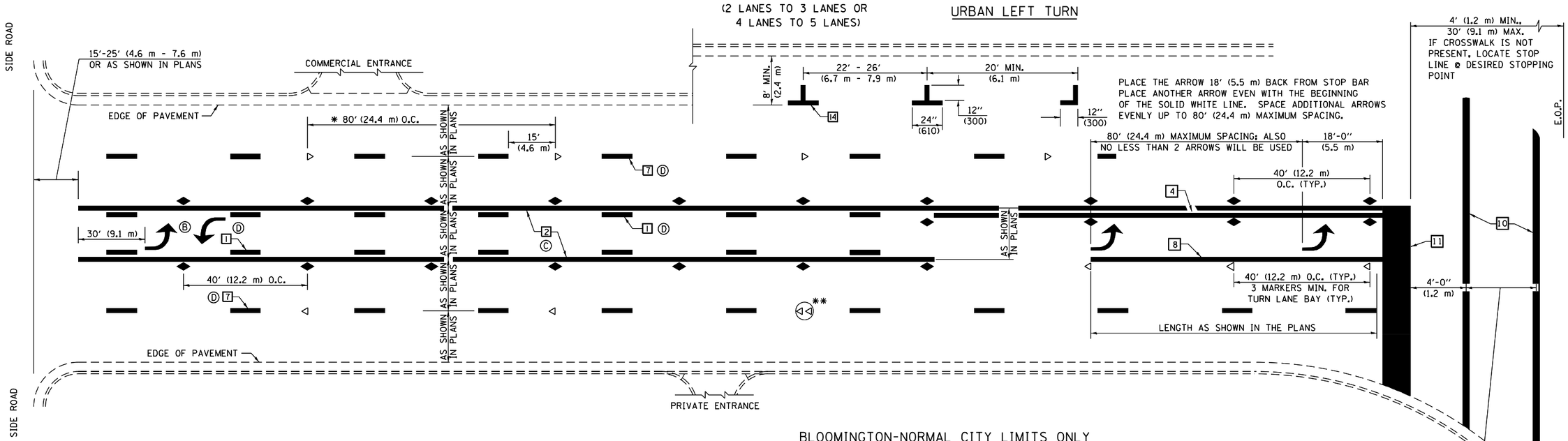
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: NONE | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	48
		CONTRACT NO. 70534		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

URBAN LEFT TURN



* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

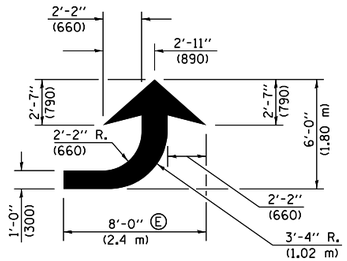
GENERAL NOTES:

Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.

Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.

Ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.

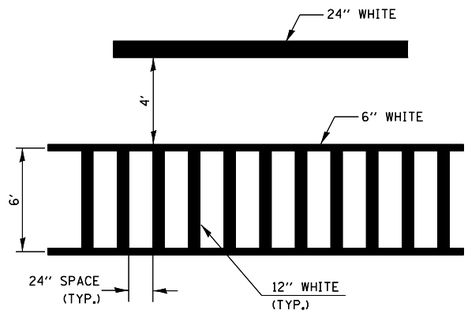
Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



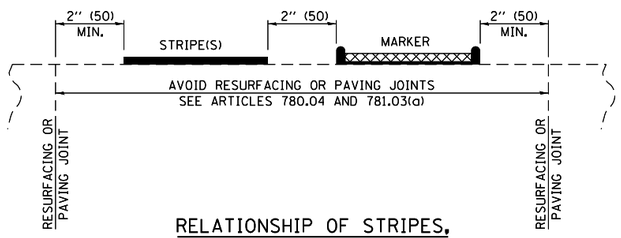
LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m^2)
(WHITE)

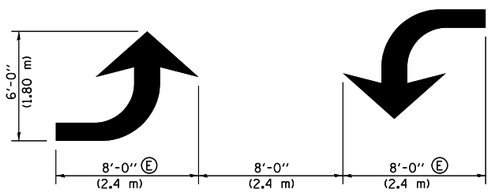
BLOOMINGTON-NORMAL CITY LIMITS ONLY



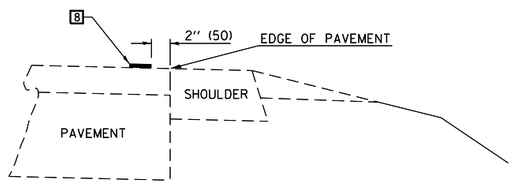
TYPICAL SPACING FOR
CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES,
MARKERS AND JOINTS



TYPICAL DOUBLE
TURN ARROWS (WHITE)



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT

(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

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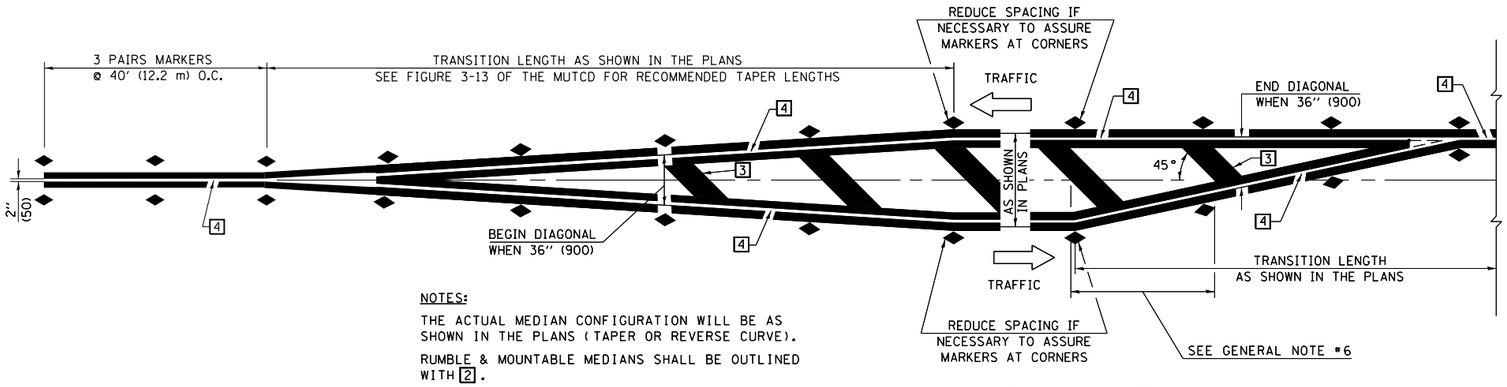
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

SCALE: NONE | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	49
		CONTRACT NO. 70534		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

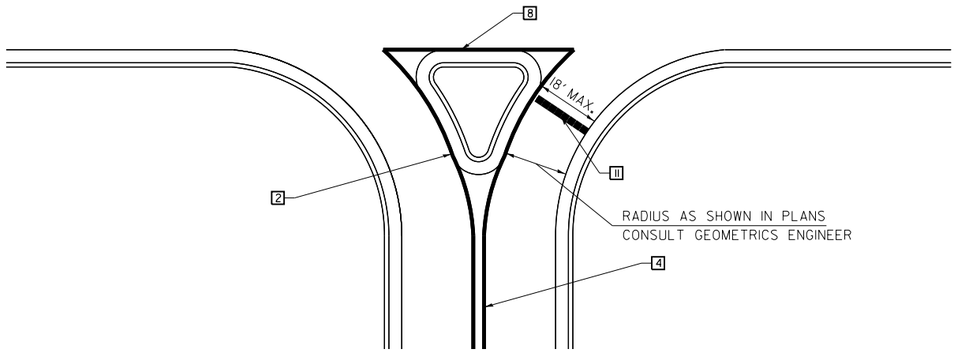
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

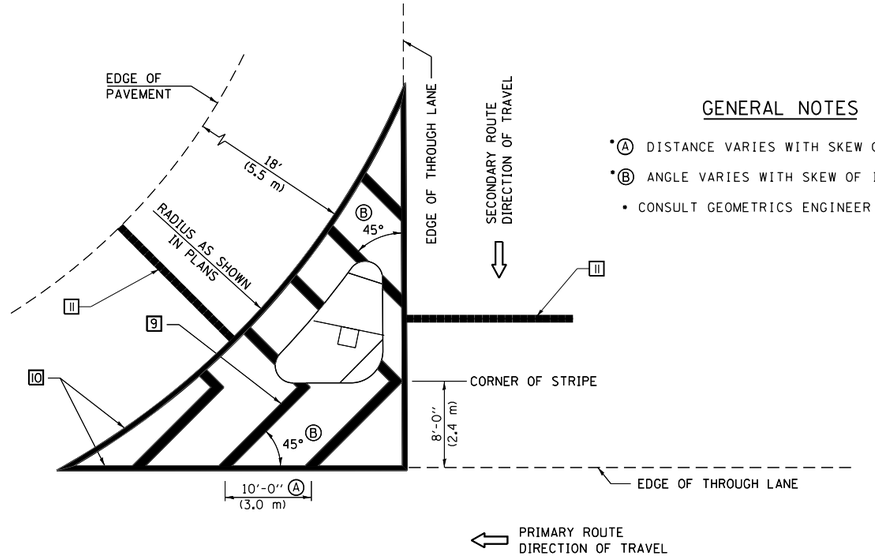
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
   < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
   30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
   >45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

*Ⓐ DISTANCE VARIES WITH SKEW OF INTERSECTION.

*Ⓑ ANGLE VARIES WITH SKEW OF INTERSECTION.

• CONSULT GEOMETRICS ENGINEER

ISLAND

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

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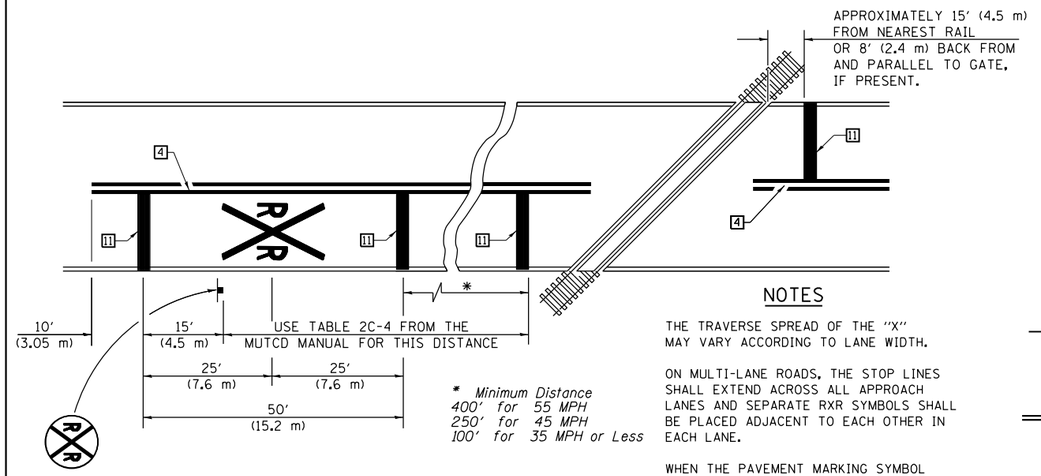
		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 04/14 - JLA
	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: NONE | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	50
		CONTRACT NO. 70534		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



* *Minimum Distance*
400′ for 55 MPH
250′ for 45 MPH
100′ for 35 MPH or Less

NOTES

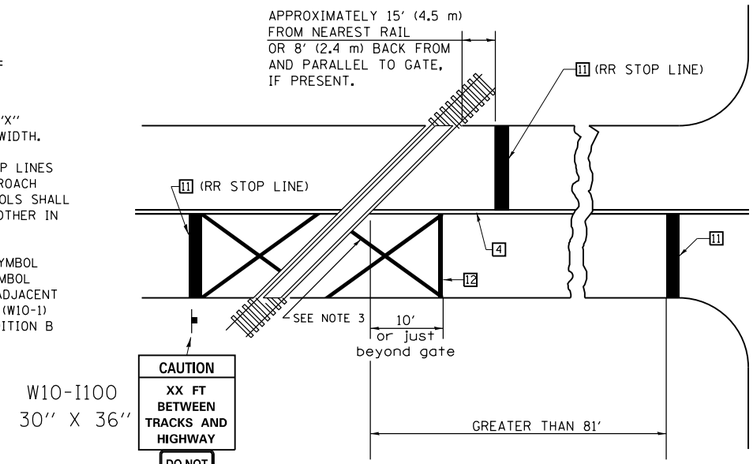
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

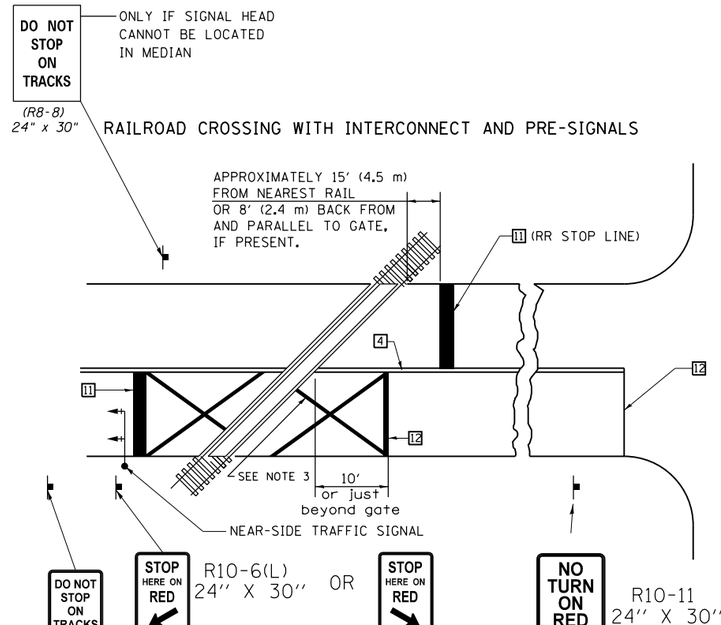
RAILROAD CROSSING WITH INTERCONNECT ONLY



W10-I100
30″ X 36″

R8-8
24″ X 30″

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



R8-8
24″ X 30″

R10-6(L)
24″ X 30″

R10-11
24″ X 30″

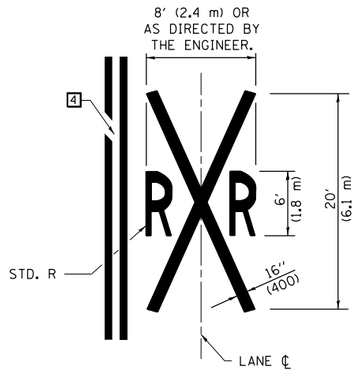
OR

R10-6(R)
24″ X 30″
IF IN MEDIAN

R10-11
24″ X 30″

R8-8
24″ X 30″

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



ALTERNATE SIGNS

R10-6a(L)
24″ X 30″

R10-6a(R)
24″ X 30″

GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 6″ WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8′ CENTER TO CENTER.
4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 04/14 - JLA
	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

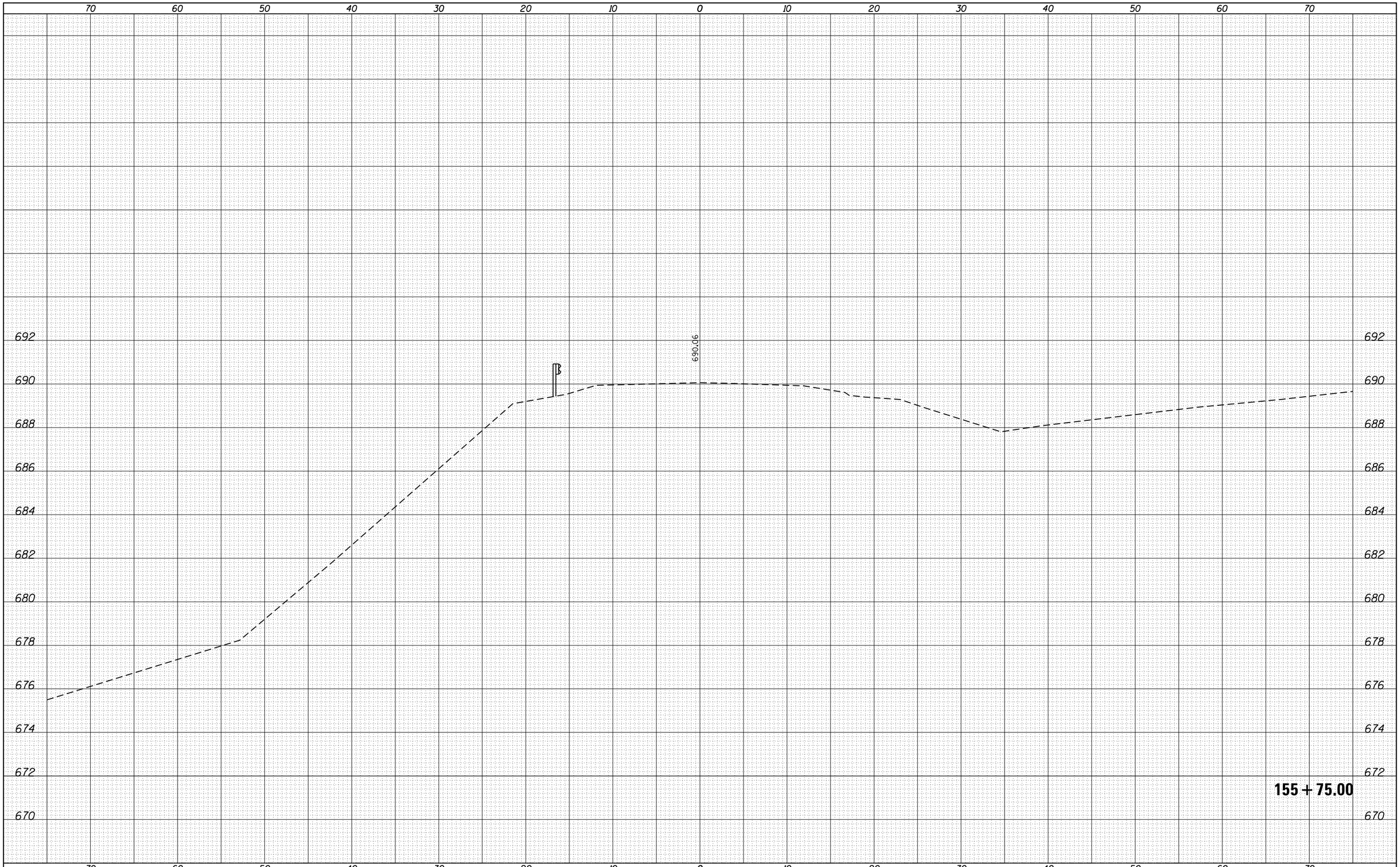
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			85	51
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 1 OF 34 SHEETS | STA. 155+75.00 | TO STA. 155+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	52
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

692 690 688 686 684 682 680 678 676 674

690.00

156 + 00.00

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 2 OF 34 SHEETS | STA. 156+00.00 | TO STA. 156+00.00

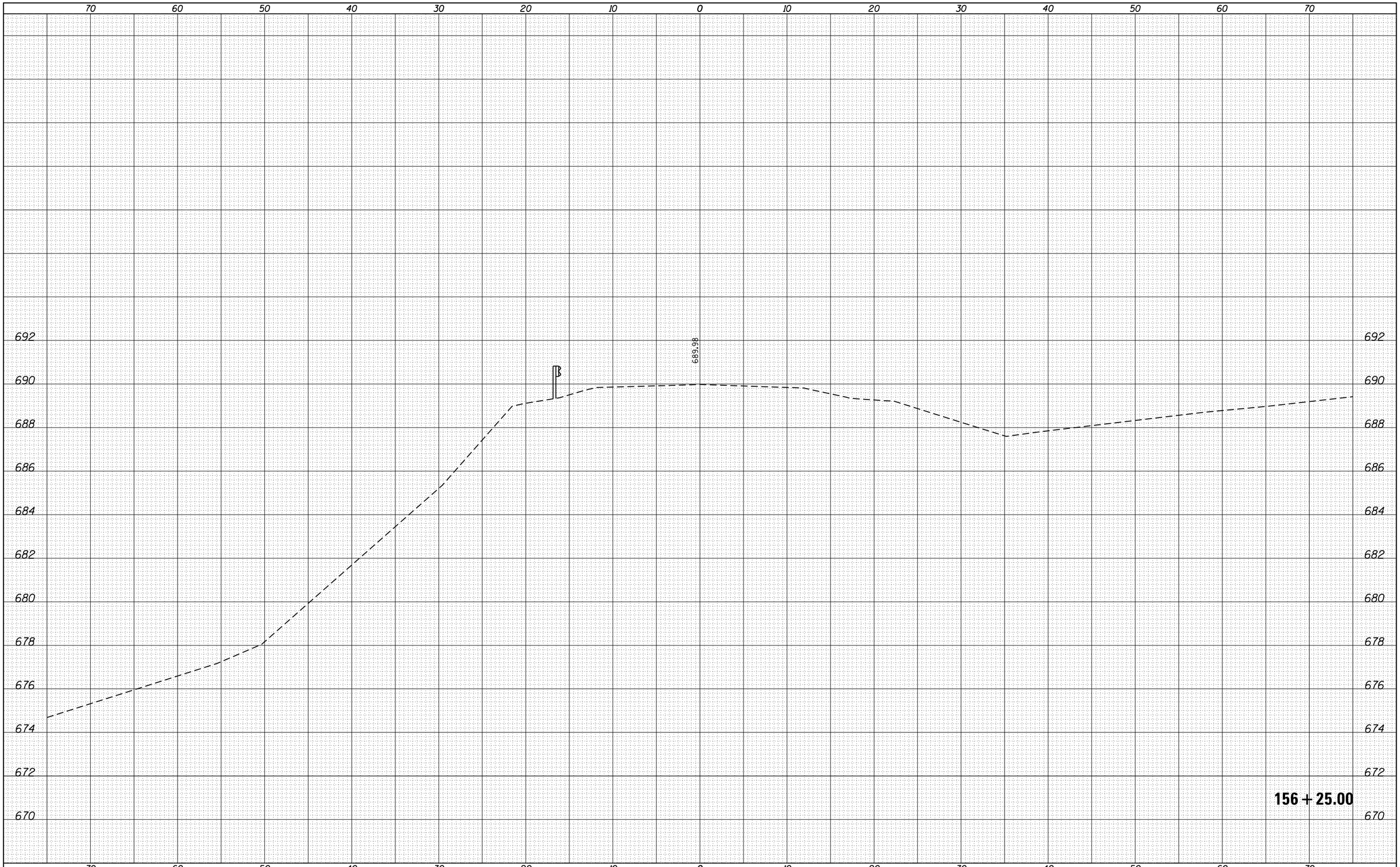
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	53
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	
	NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	
	NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 3 OF 34 SHEETS | STA. 156+25.00 | TO STA. 156+25.00

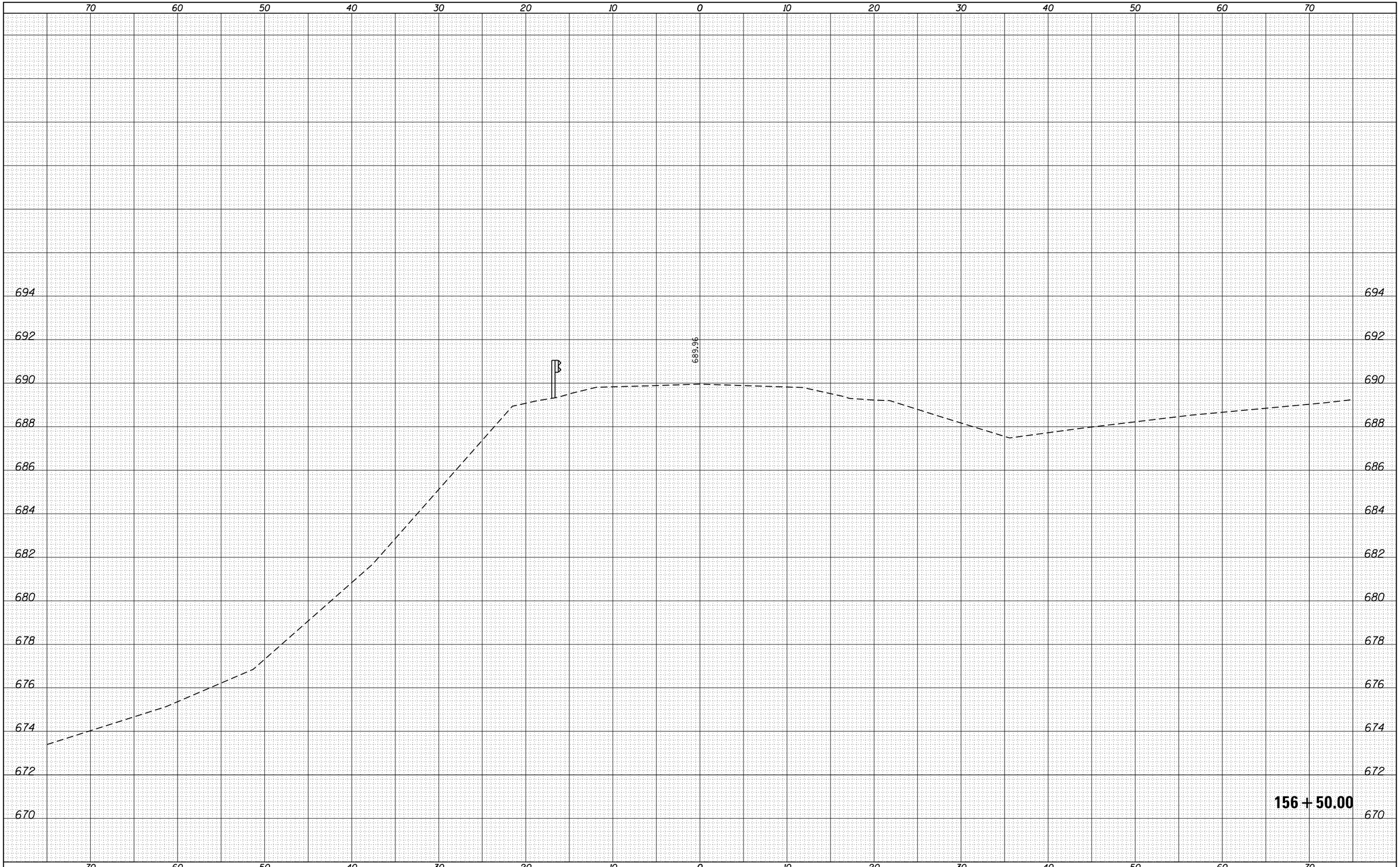
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	54
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	
	NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	
	NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 4 OF 34 SHEETS | STA. 156+50.00 | TO STA. 156+50.00

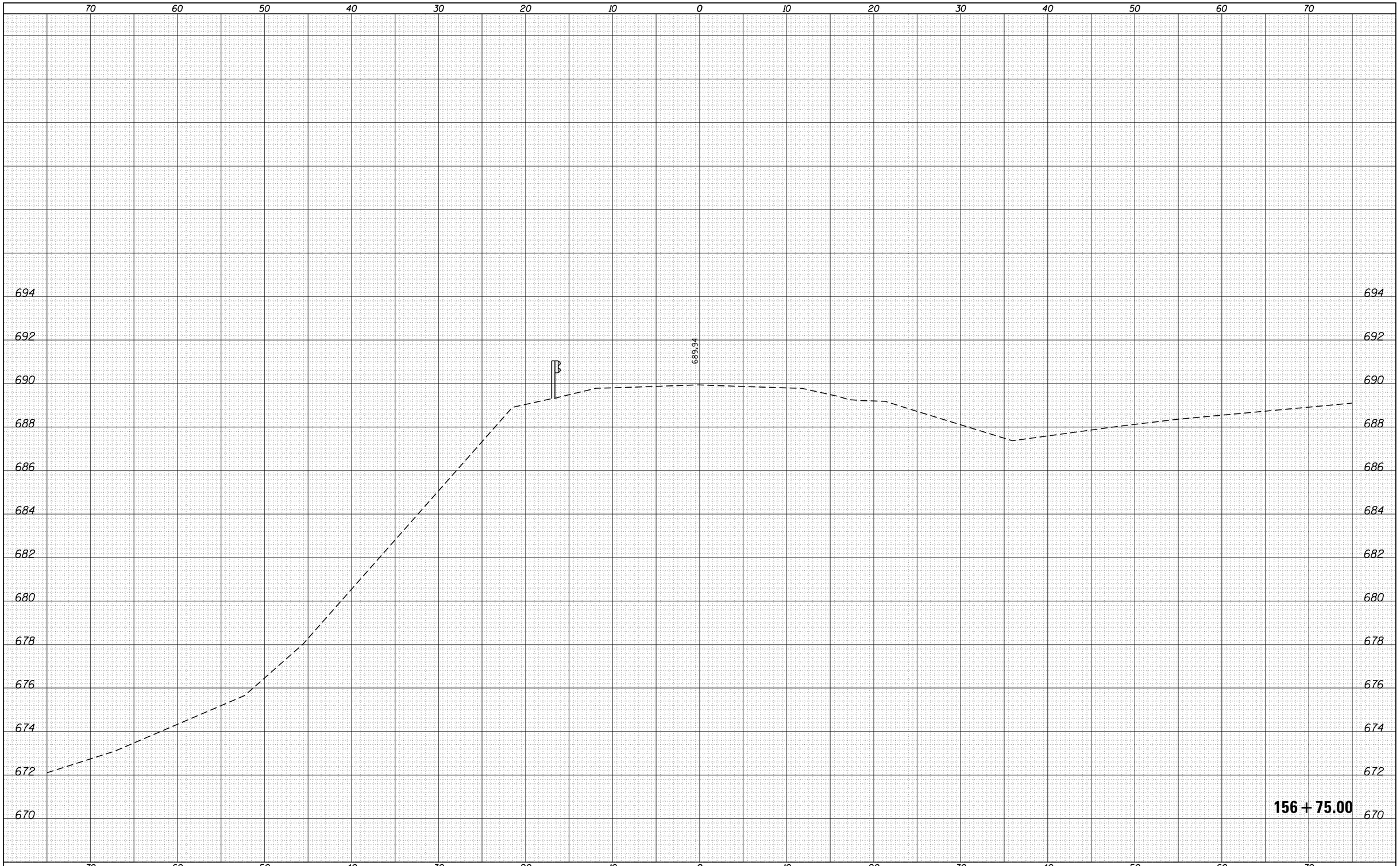
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	55
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 5 OF 34 SHEETS | STA. 156+75.00 | TO STA. 156+75.00

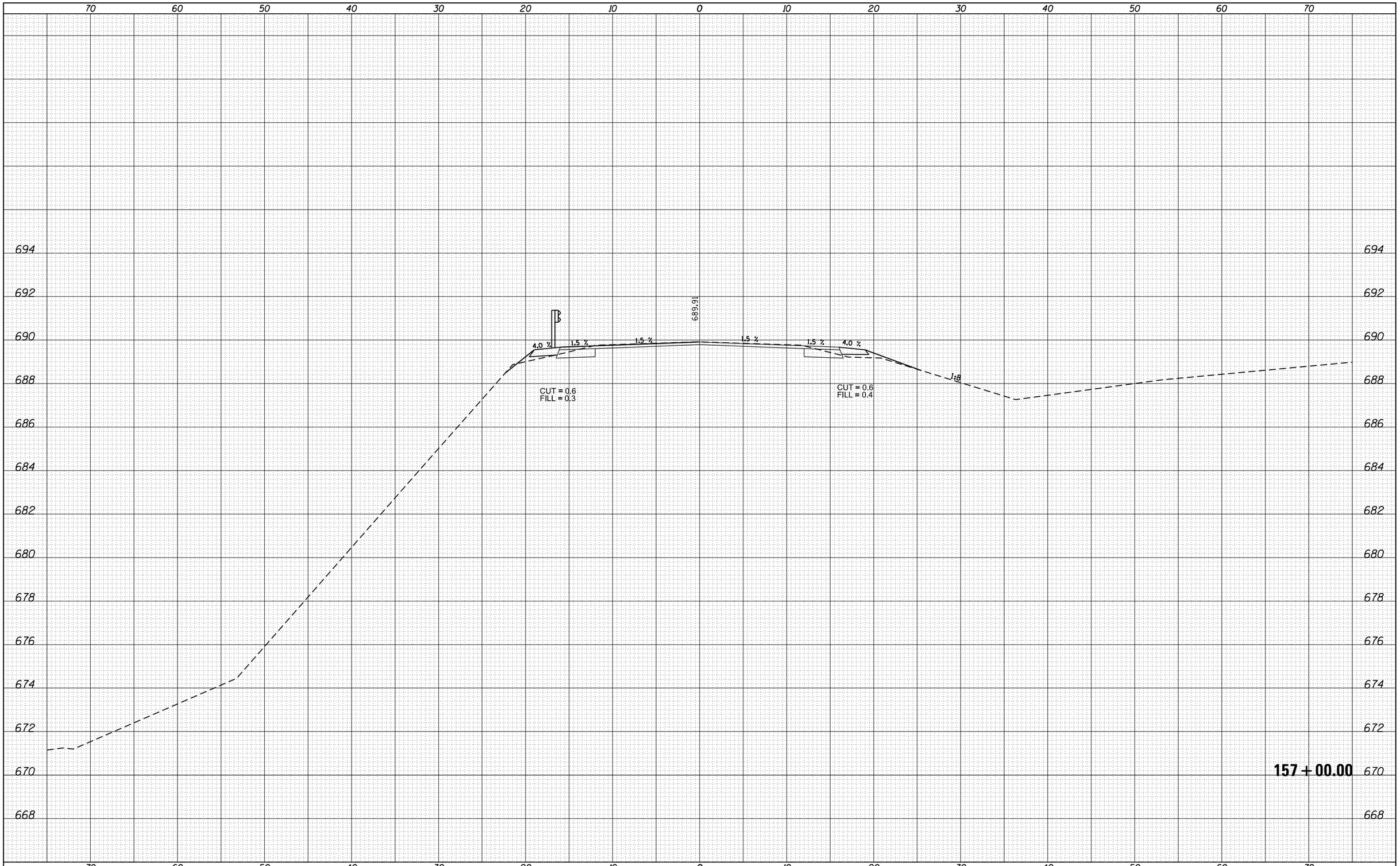
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	56
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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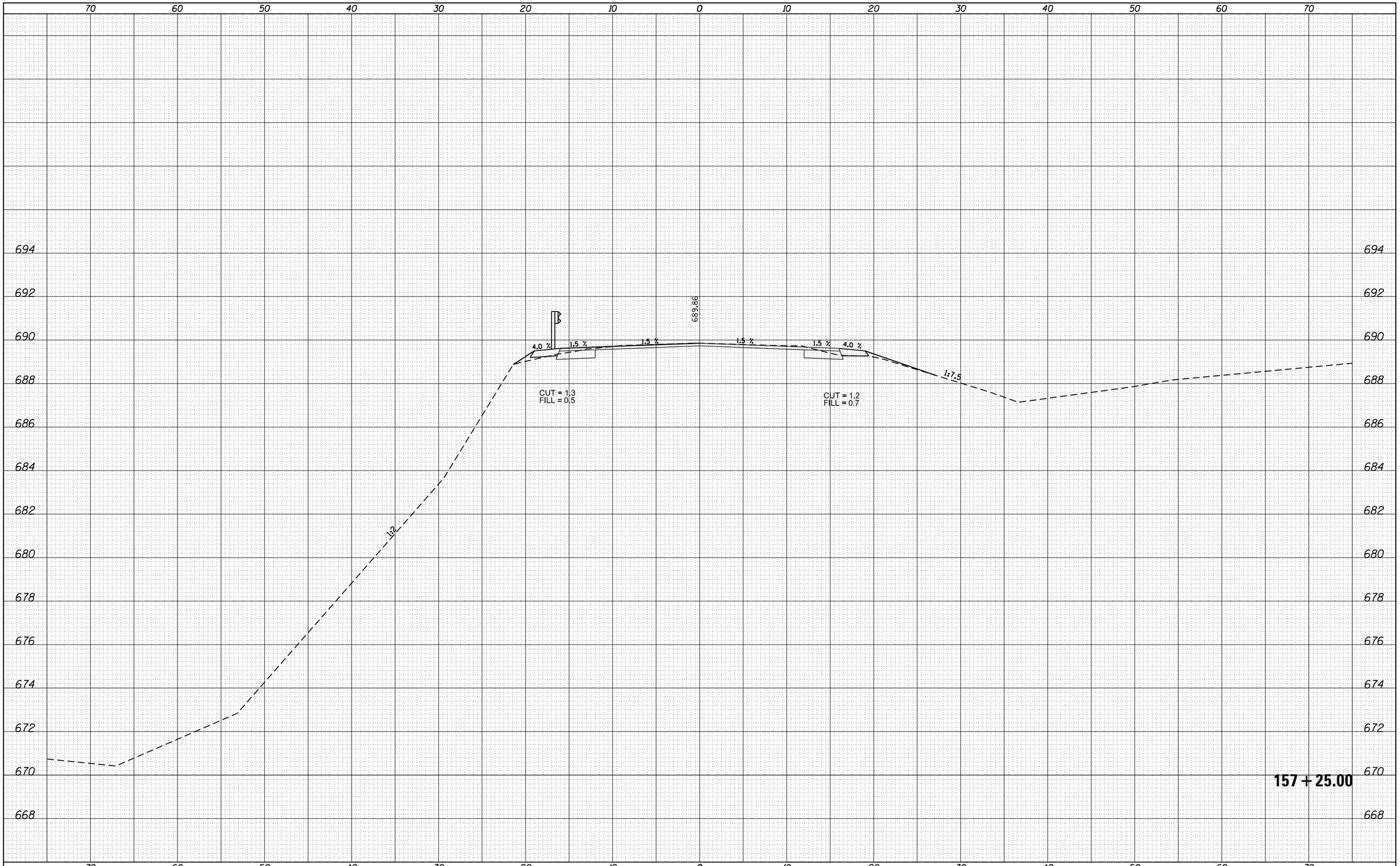
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 6 OF 34 SHEETS | STA. 157+00.00 | TO STA. 157+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	57
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		



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

BY	DATE

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

BY	DATE

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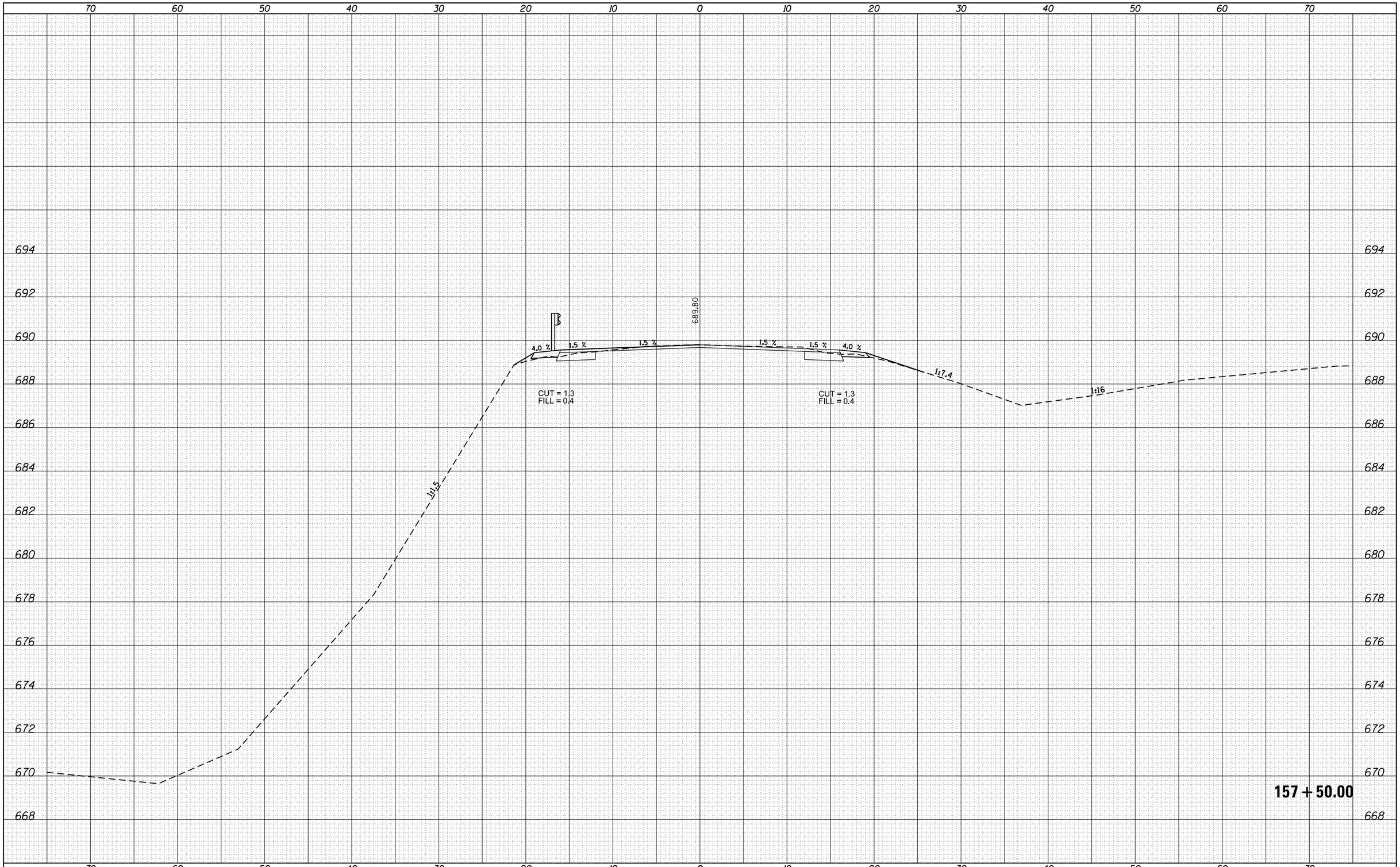
Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 7 OF 34 SHEETS | STA. 157+25.00 | TO STA. 157+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	58
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		



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

BY	DATE

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

BY	DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

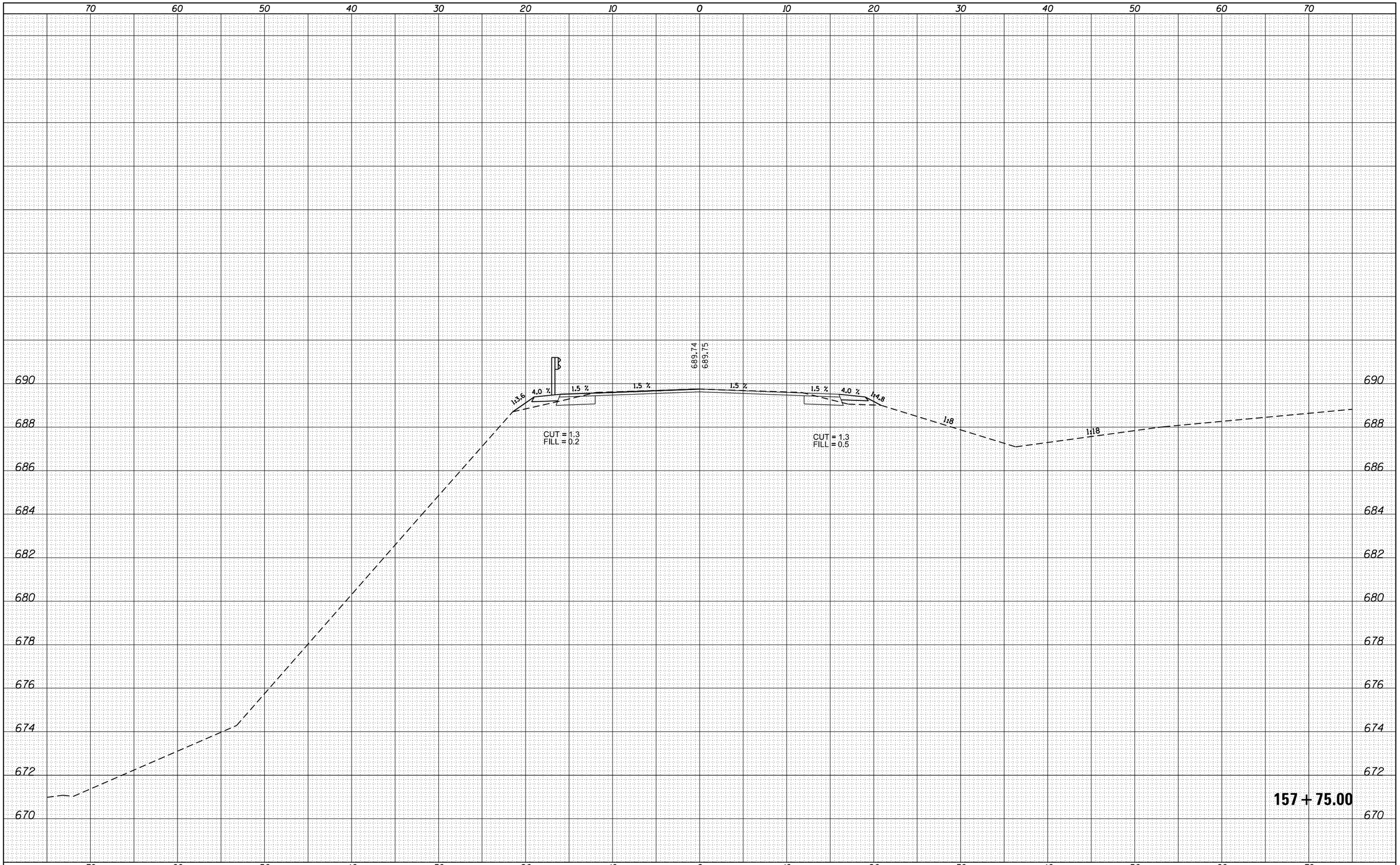
CROSS SECTIONS – OLD US 66

SCALE: | SHEET 8 OF 34 SHEETS | STA. 157+50.00 | TO STA. 157+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	59
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 9 OF 34 SHEETS | STA. 157+75.00 | TO STA. 157+75.00

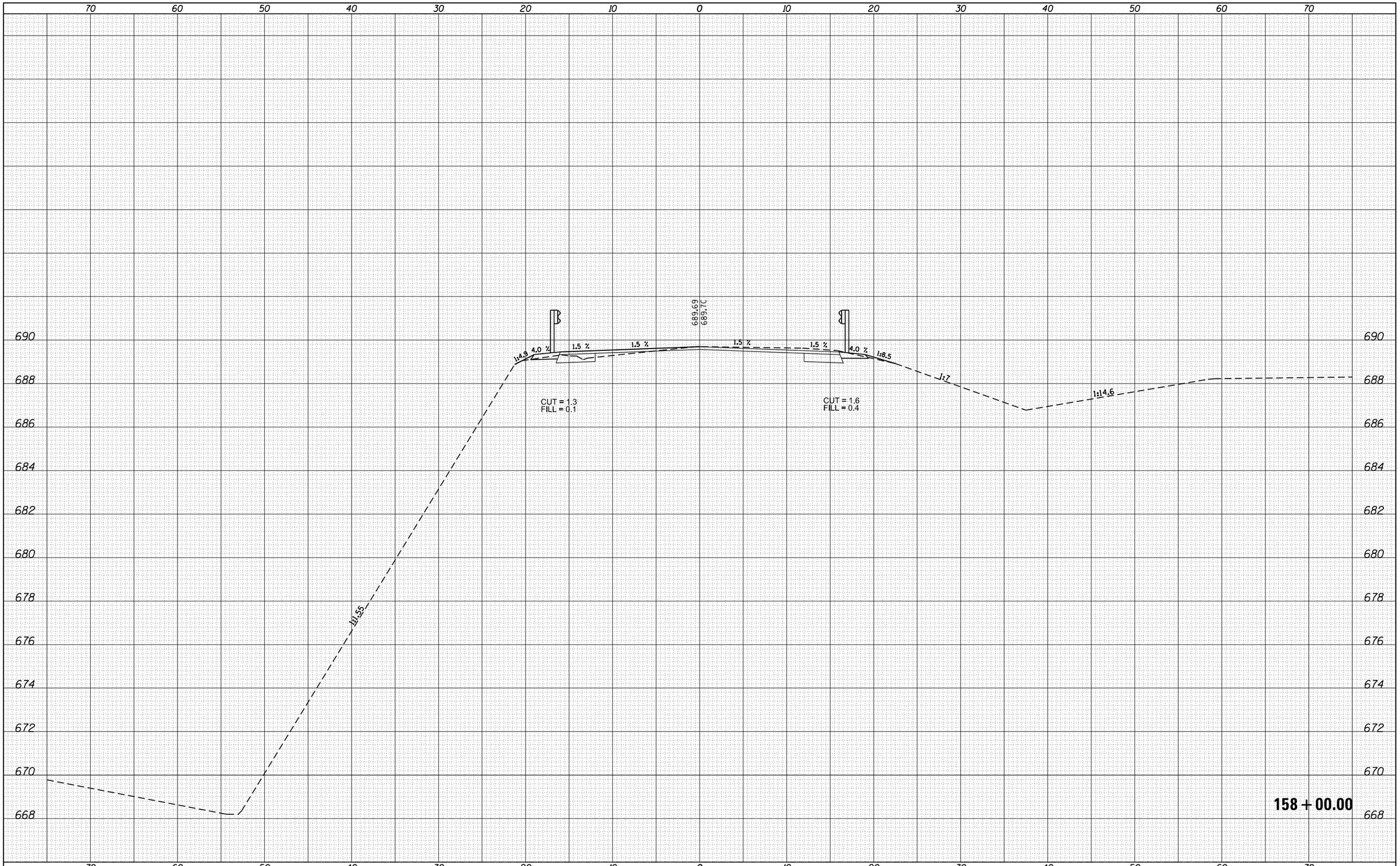
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	60
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 10 OF 34 SHEETS | STA. 158+00.00 | TO STA. 158+00.00

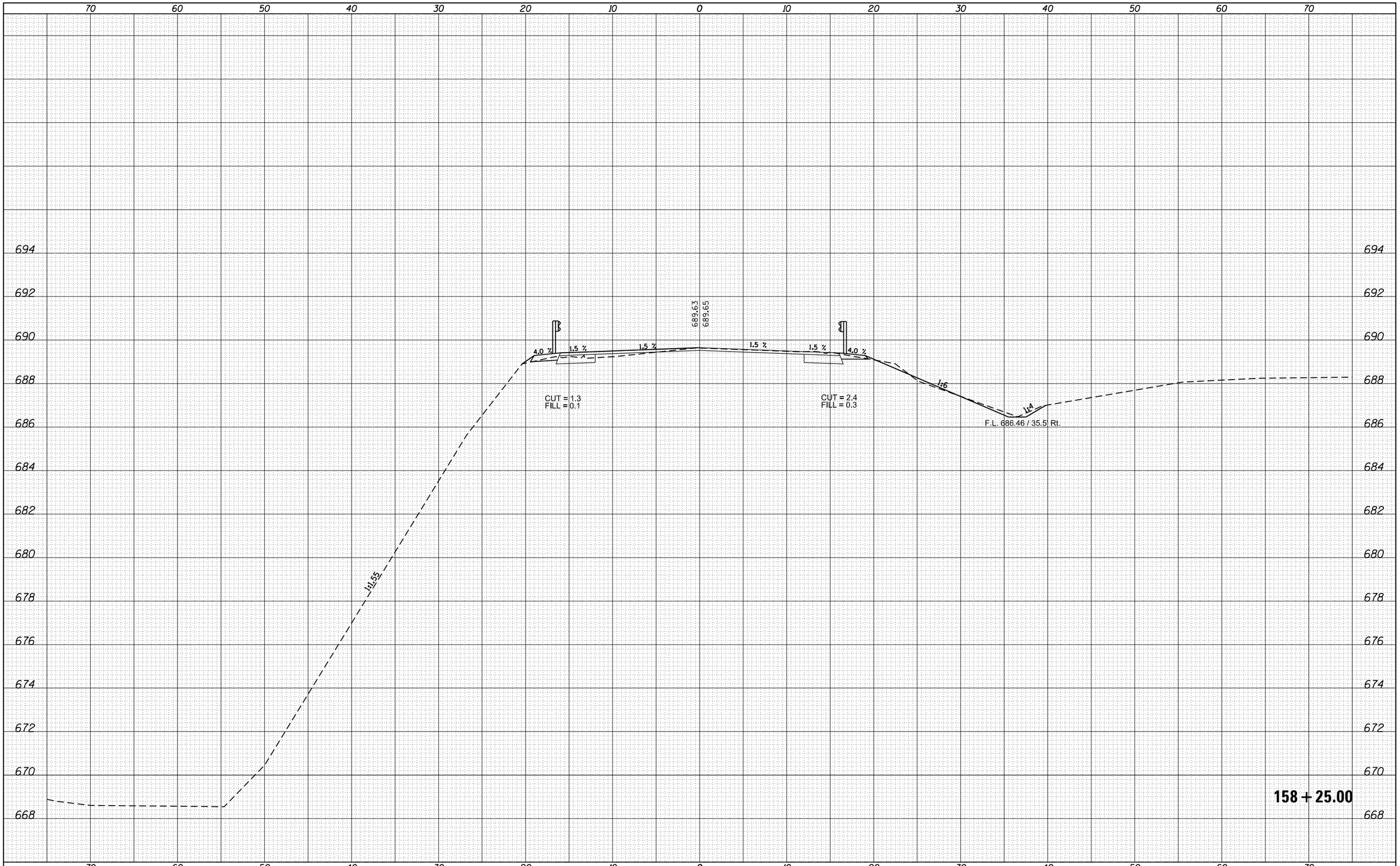
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	61
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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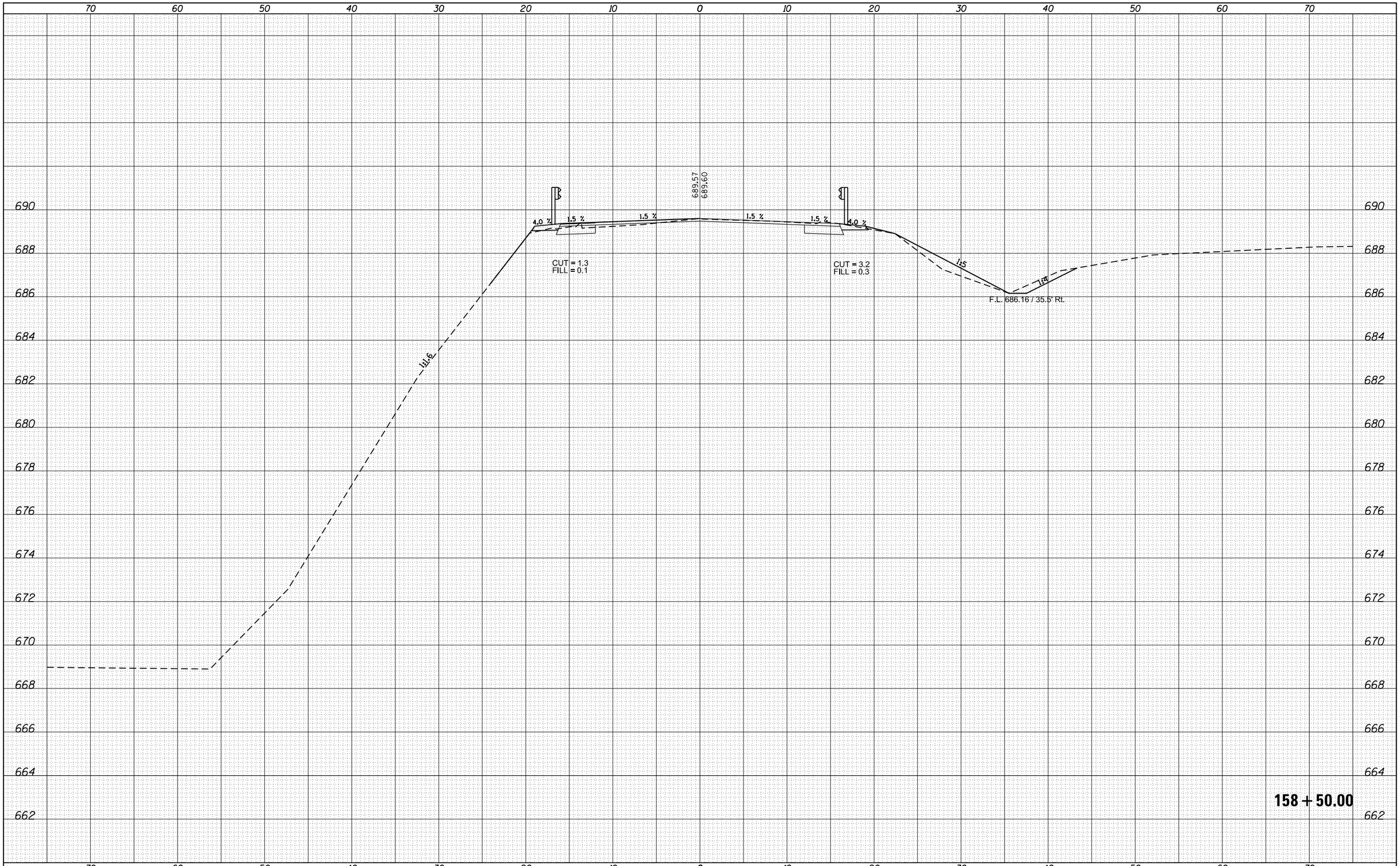
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 11 OF 34 SHEETS | STA. 158+25.00 | TO STA. 158+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	62
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		



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

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

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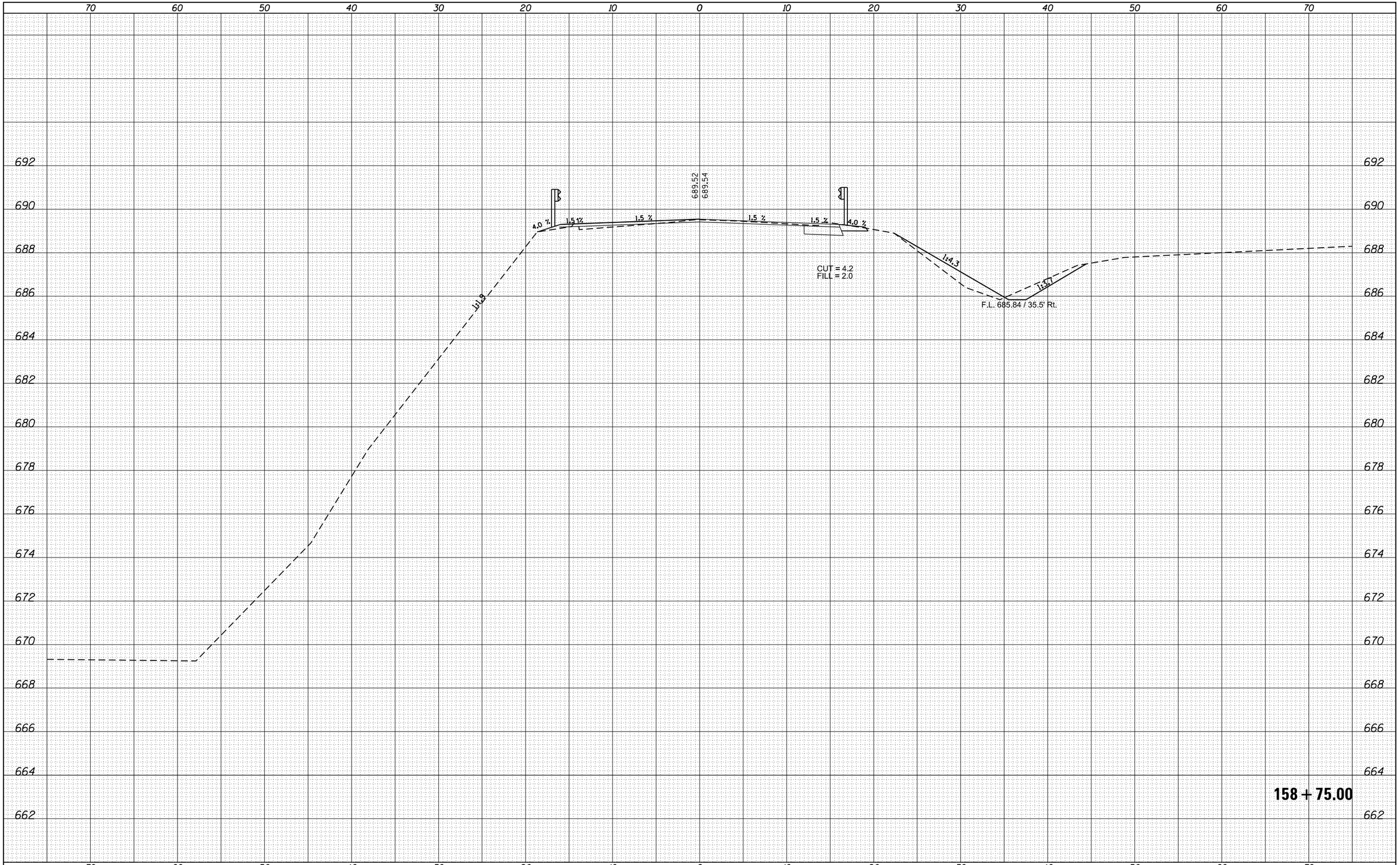
Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 12 OF 34 SHEETS | STA. 158+50.00 TO STA.158+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	63
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 13 OF 34 SHEETS | STA. 158+75.00 | TO STA. 158+75.00

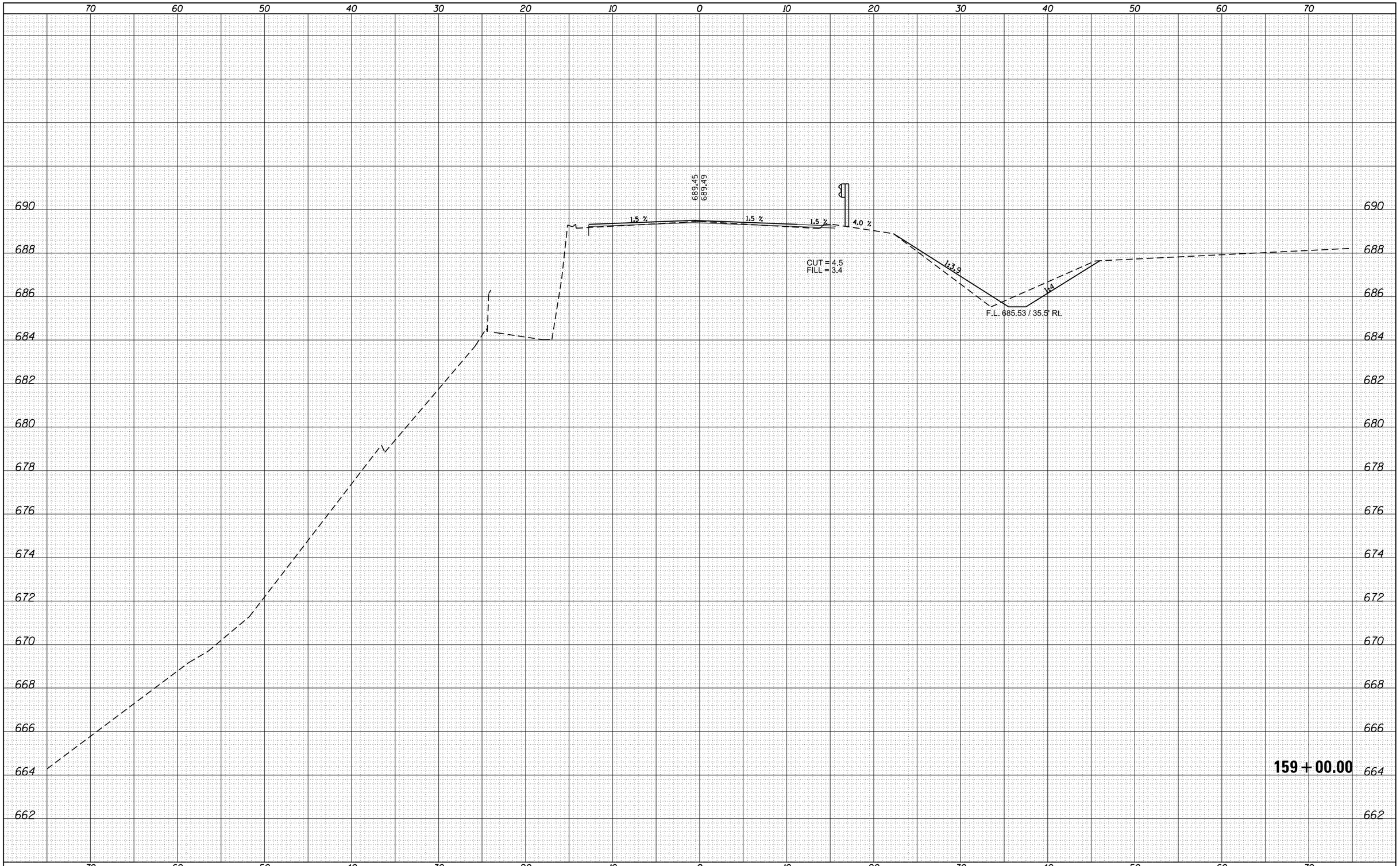
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	64
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 14 OF 34 SHEETS | STA. 159+00.00 | TO STA. 159+00.00

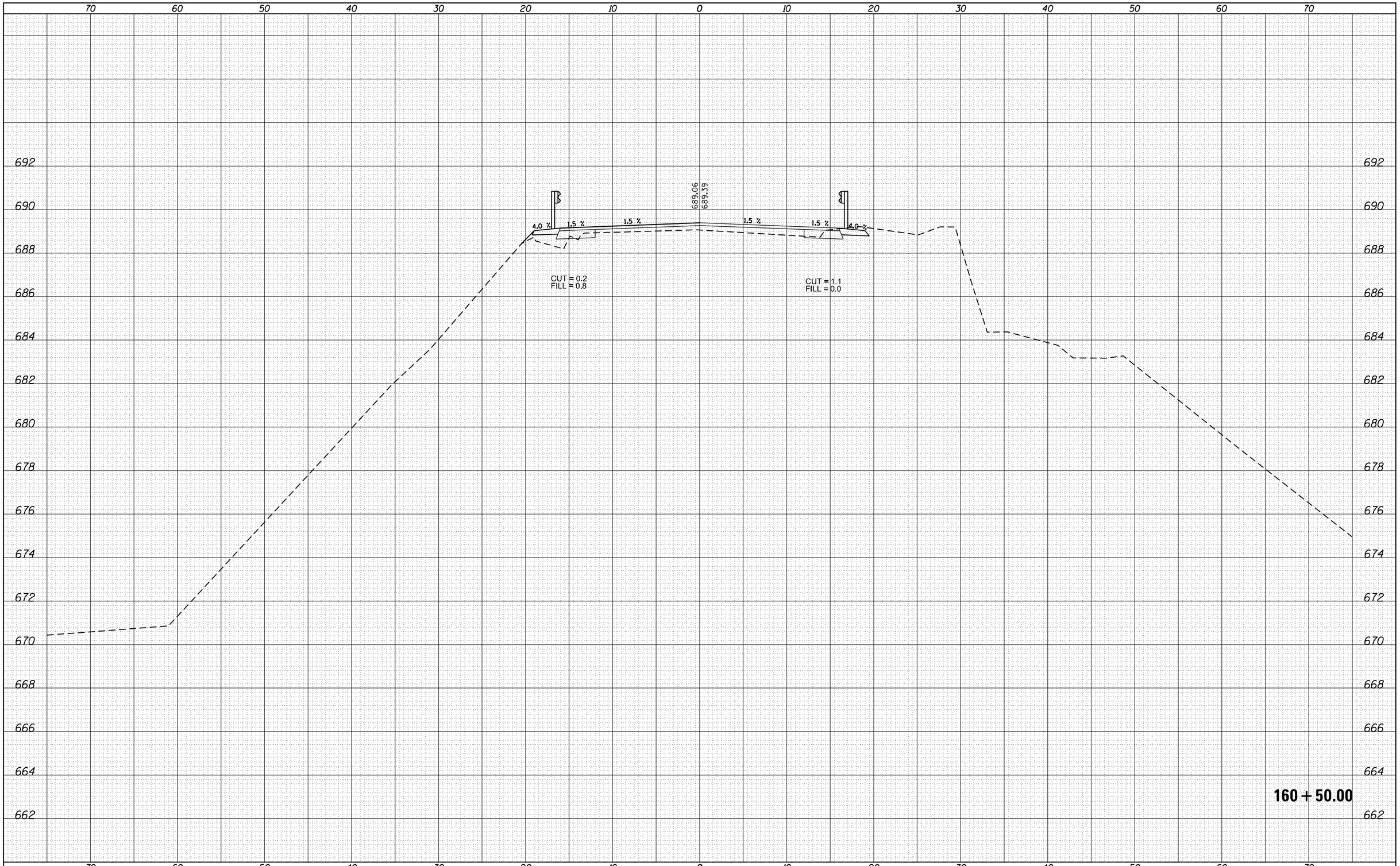
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	65
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 15 OF 34 SHEETS | STA. 160+50.00 | TO STA. 160+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	66
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

690 688 686 684 682 680 678 676 674 672 670 668

689.04

SHOULDER INLET WITH CURB
SEE HWY. STD. 610001

12

12" MIN

PIPE DRAIN, 12"

METAL END SECTION, 12"

CAST IN PLACE CONCRETE
THRUST BLOCK 24"X24"X24"

PIPE DRAIN, 12"

160 + 68.93

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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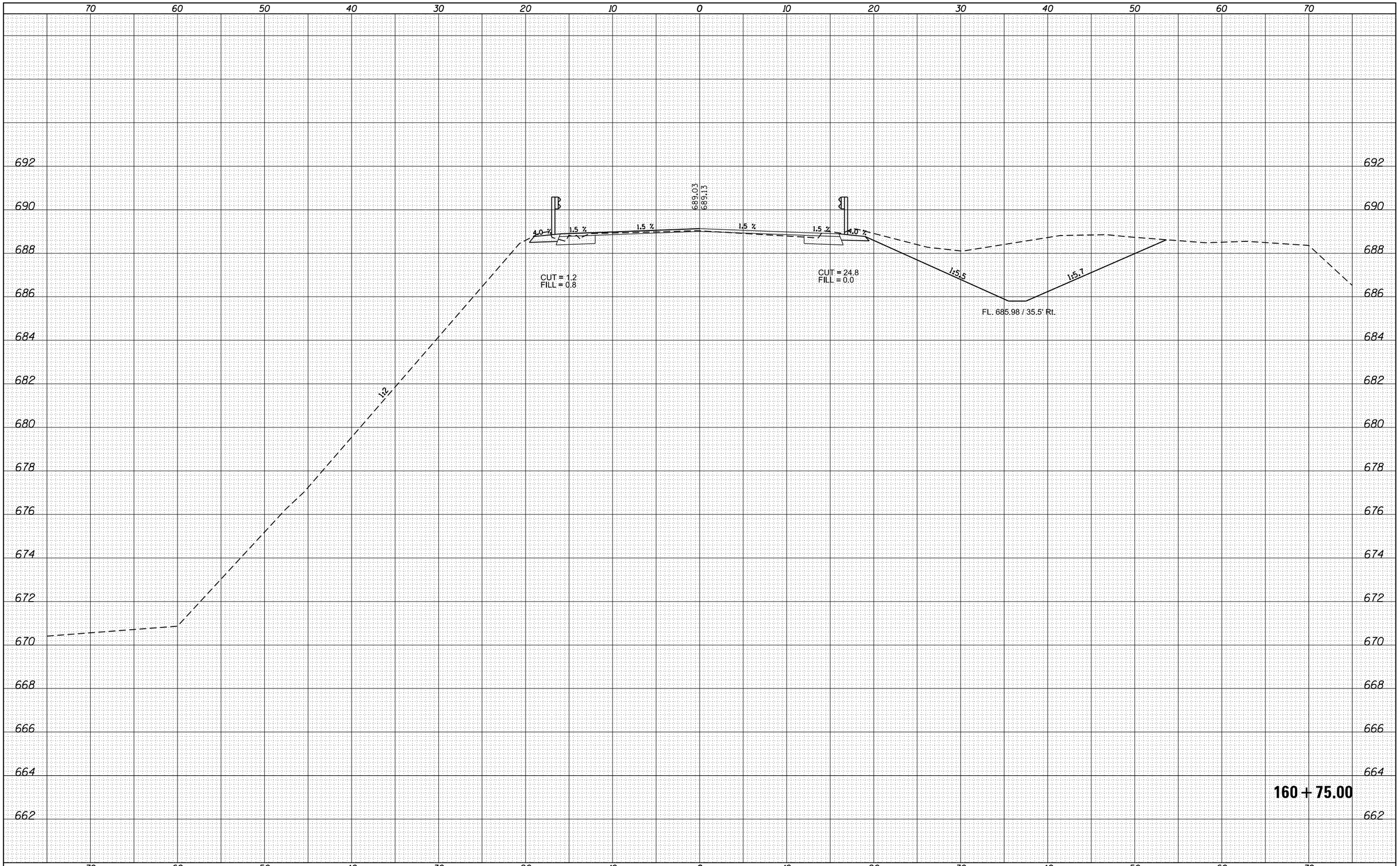
Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 16 OF 34 SHEETS | STA. 160+68.93 | TO STA. 160+68.93

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	67
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 17 OF 34 SHEETS | STA. 160+75.00 | TO STA. 160+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	68
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

690 688 686 684 682 680 678 676 674 672 670 668 690 688 686 684 682

689.00
689.07

1:10 4.0 % 1.5 % 1.5 % 1.5 % 1.5 % 4.0 %

CUT = 1.0
FILL = 0.2

CUT = 38.4
FILL = 0.0

1:6.7 1:8.2

FL. 686.17 / 35.5 Rt.

1:2

689.01
689.10

METAL END SECTION, 12"

1:5.9 1:5.6

F.L. 685.98 / 35.5' RT.

CUT = 18.3
FILL = 0.0

PIPE DRAIN, 12"

SHOULDER INLET WITH CURB
SEE HWY. STD. 610001

161 + 00.00

160 + 87.41

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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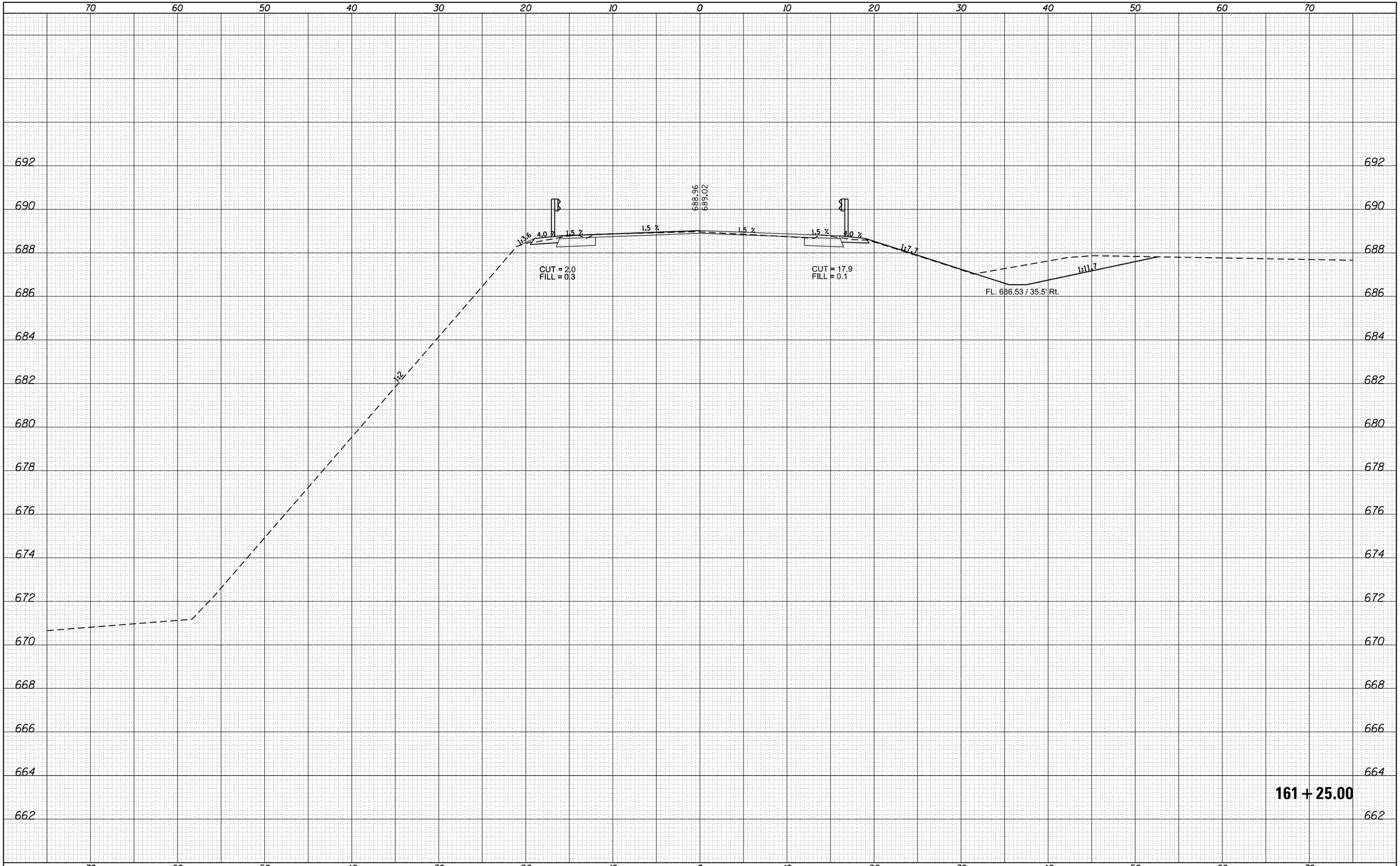
Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 18 OF 34 SHEETS | STA. 160+87.41 | TO STA. 161+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	69
		CONTRACT NO. 70534		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY

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

ORIGINAL SURVEY

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

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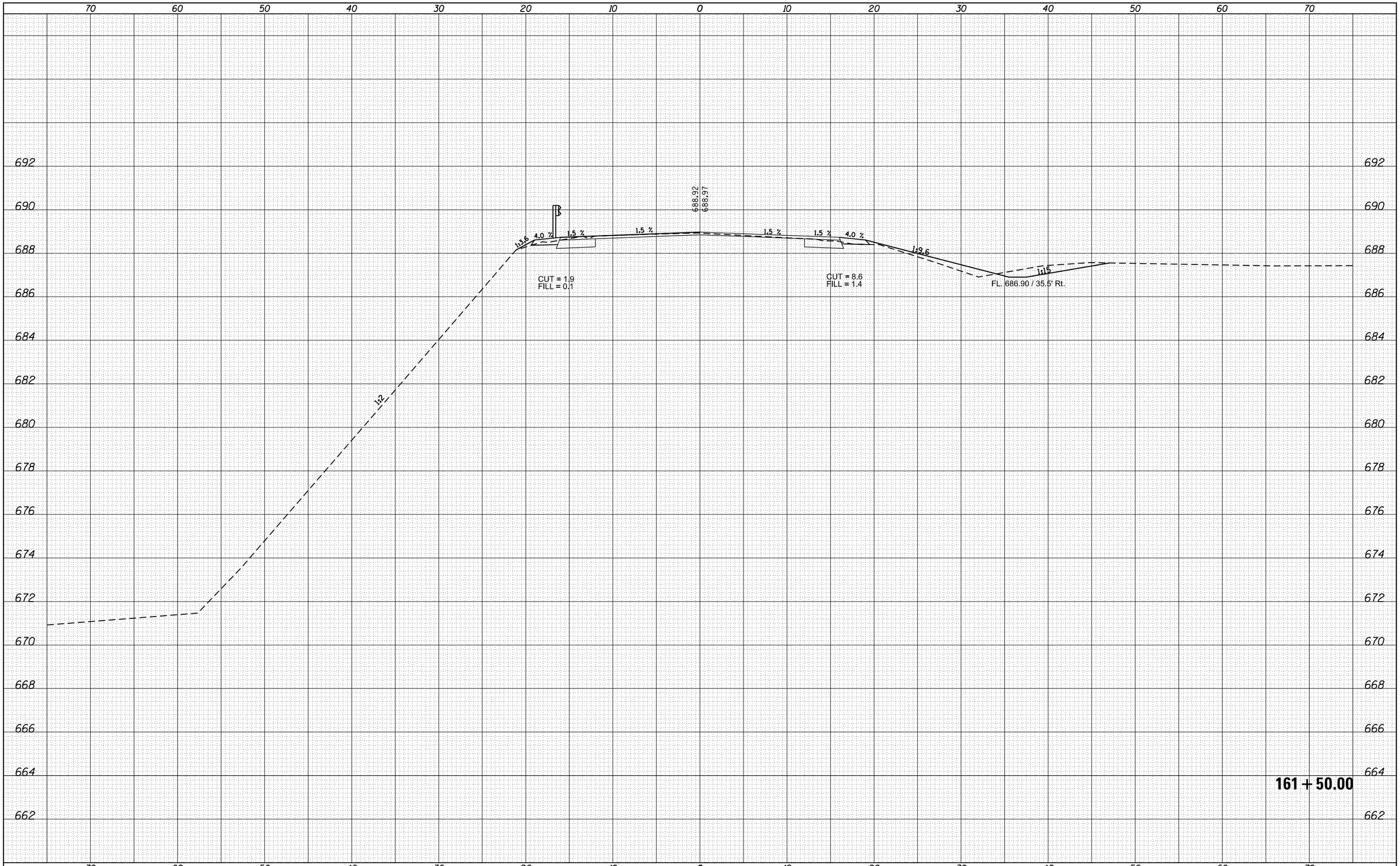
Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 19 OF 34 SHEETS | STA. 161+25.00 | TO STA. 161+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	70
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 20 OF 34 SHEETS | STA. 161+50.00 | TO STA. 161+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	71
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

692 690 688 686 684 682 680 678 676 674 672 670 668 666 664 662

688.89
688.92

4.0 % 1.5 % 1.5 % 1.5 % 1.5 % 4.0 %

1:3.5 1:2 1:1.5

CUT = 1.7
FILL = 0.3

CUT = 2.9
FILL = 1.5

161 + 75.00

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 21 OF 34 SHEETS | STA. 161+75.00 | TO STA. 161+75.00

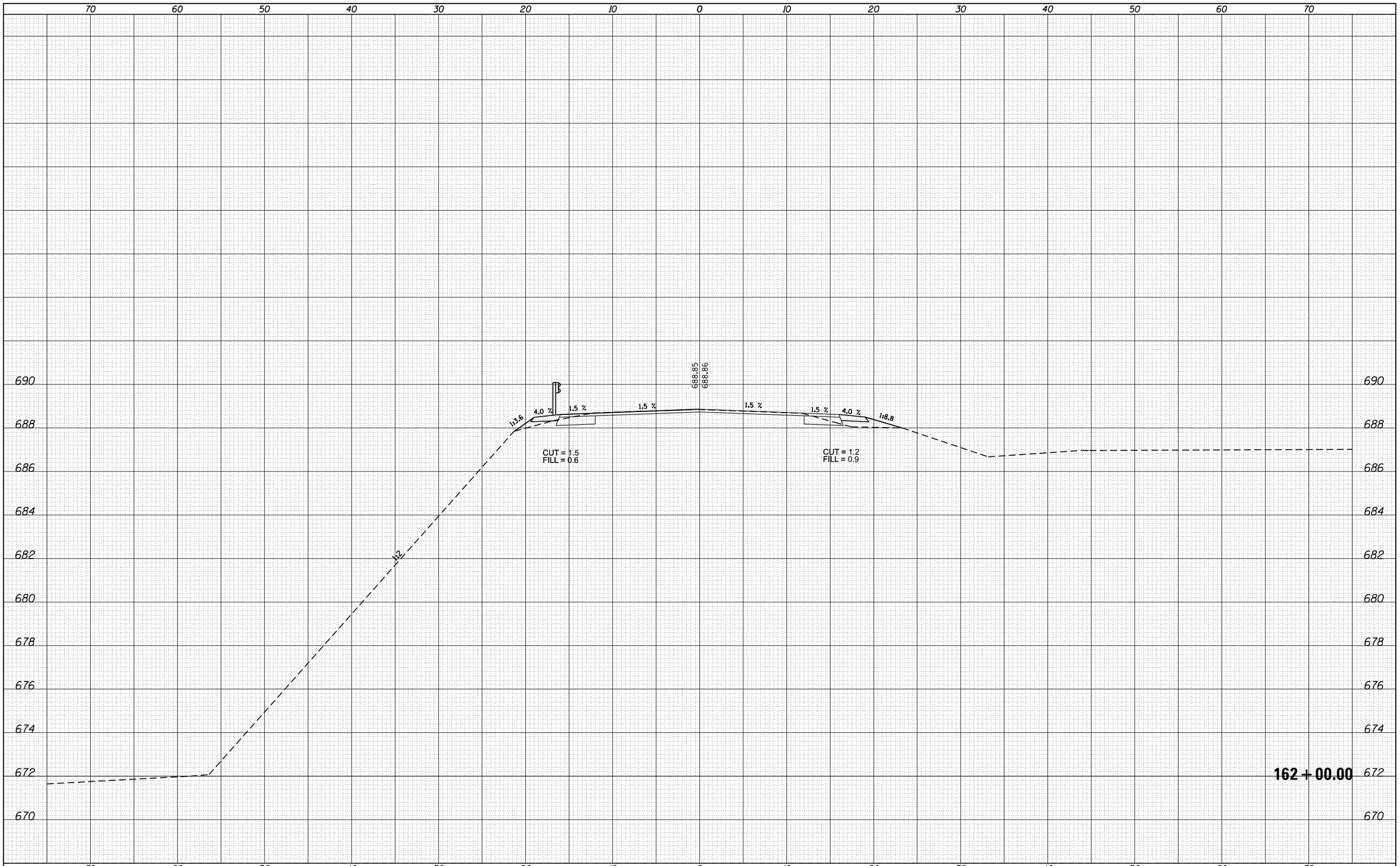
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	72
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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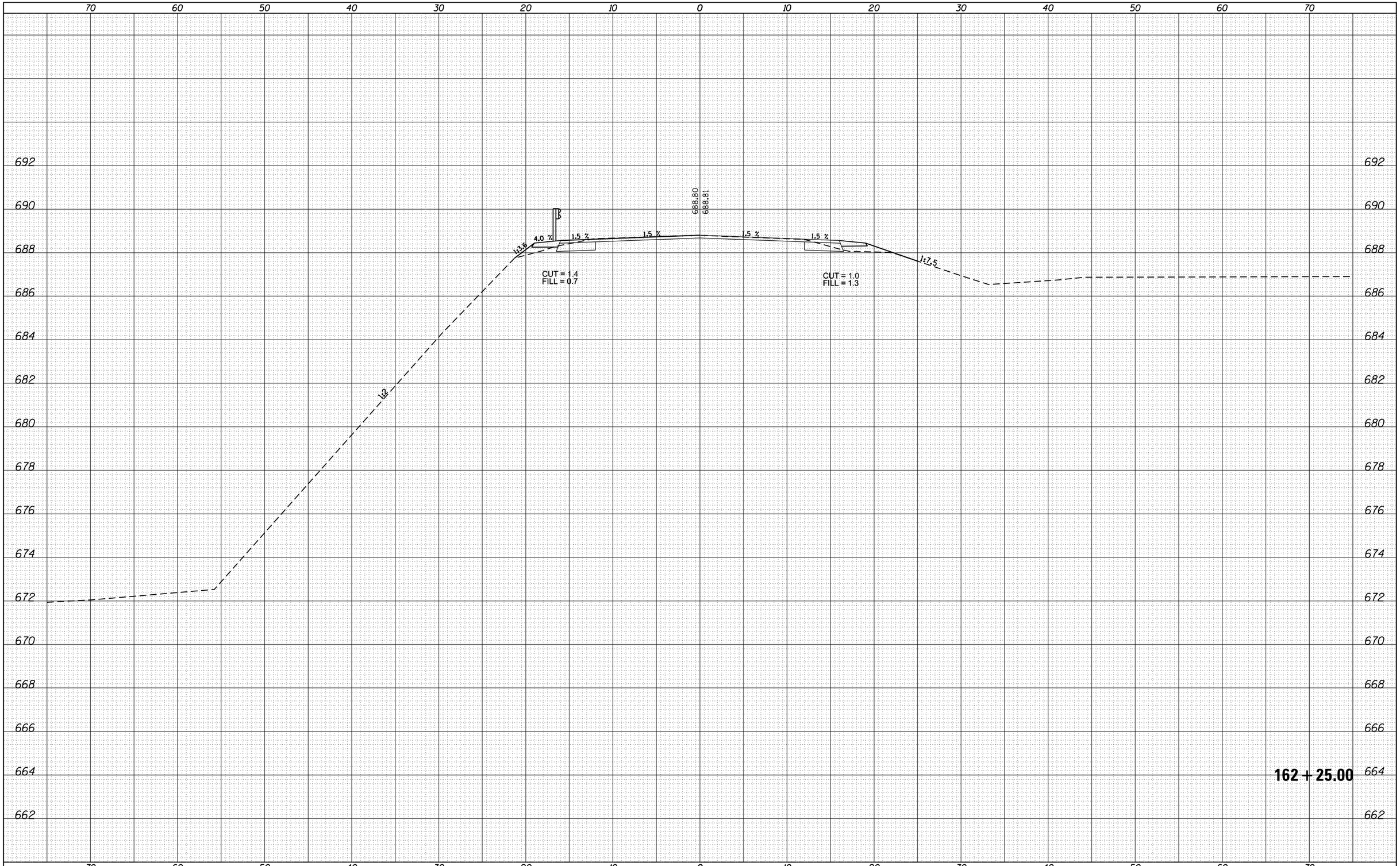
Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 22 OF 34 SHEETS | STA. 162+00.00 | TO STA. 162+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	73
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			



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

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

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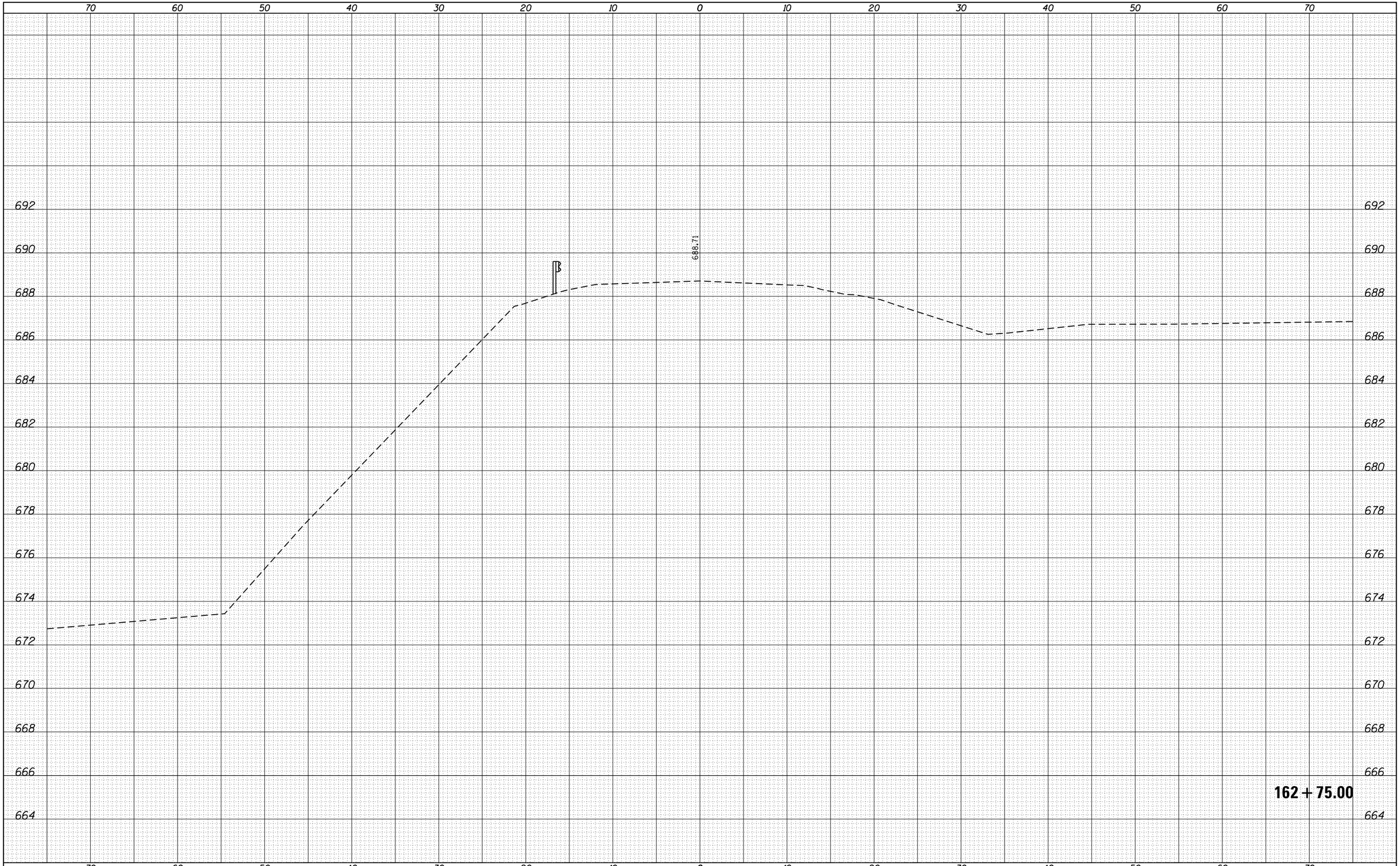
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 23 OF 34 SHEETS | STA. 162+25.00 TO STA.162+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	74
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		



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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

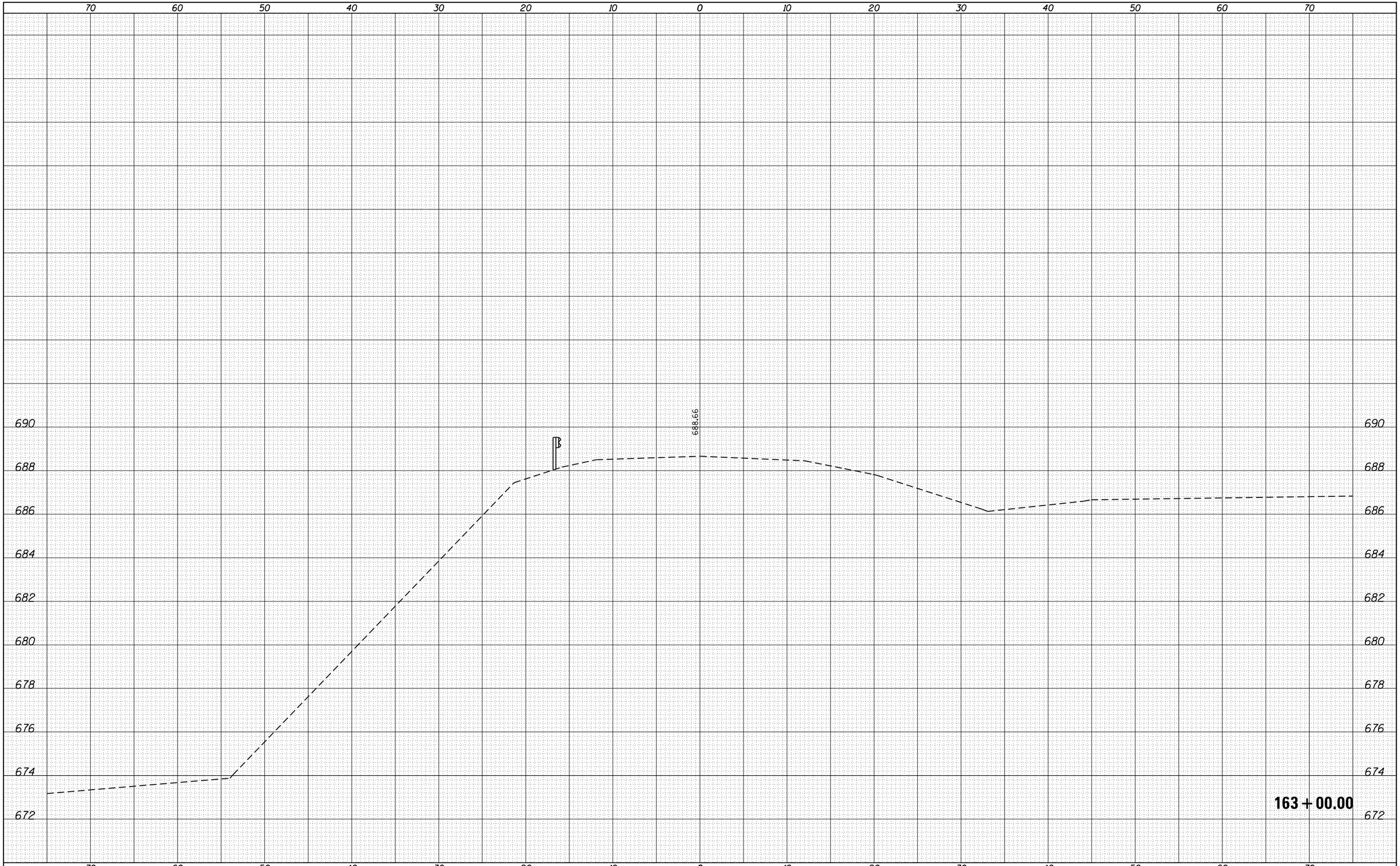
CROSS SECTIONS – OLD US 66

SCALE: | SHEET 24 OF 34 SHEETS | STA. 162+75.00 | TO STA. 162+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	75
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 25 OF 34 SHEETS | STA. 163+00.00 | TO STA. 163+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	76
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		

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

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

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

690 688 686 684 682 680 678 676 674

688.49

164 + 00.00

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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

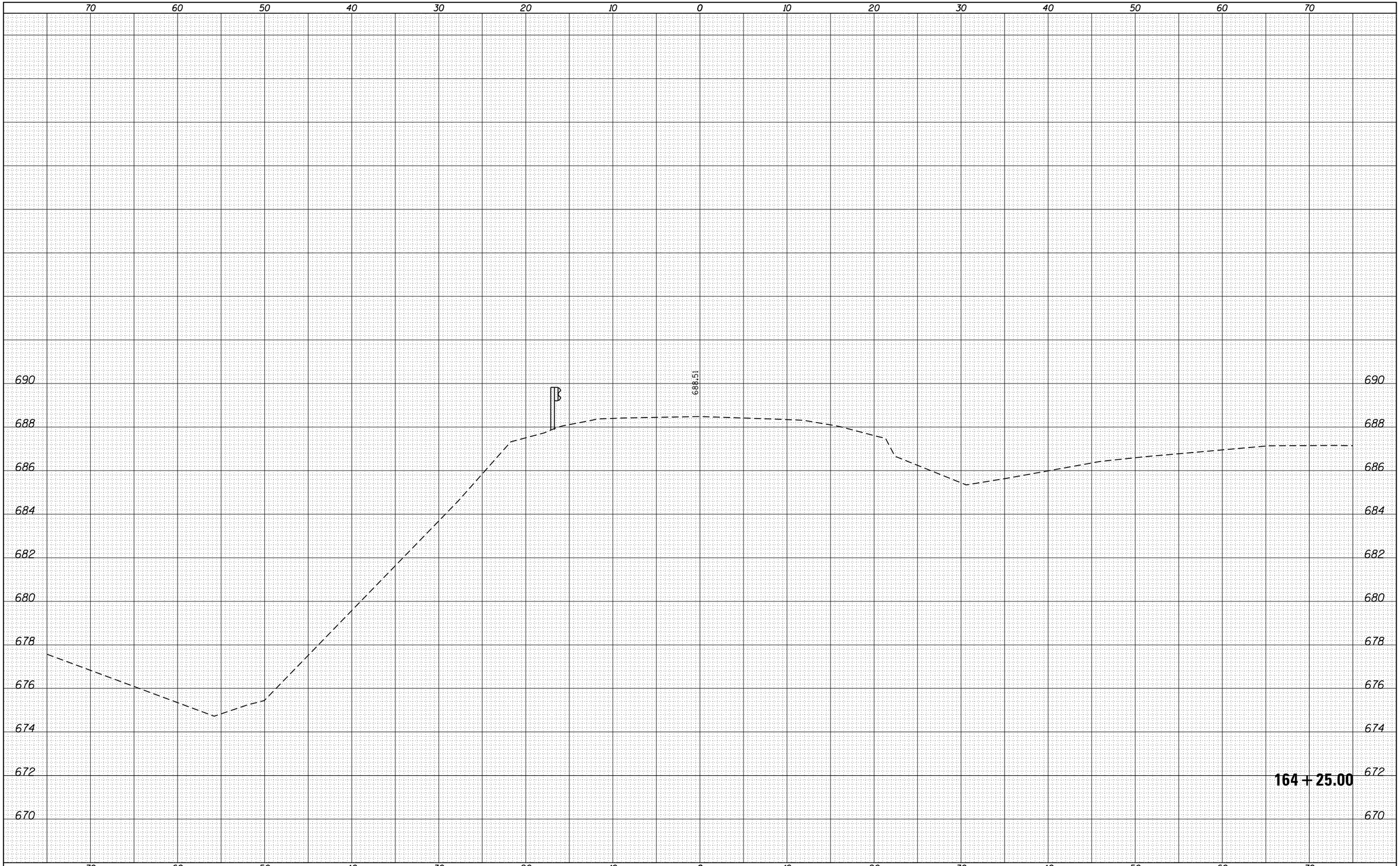
CROSS SECTIONS – OLD US 66

SCALE: | SHEET 26 OF 34 SHEETS | STA. 164+00.00 | TO STA. 164+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	77
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

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



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - OLD US 66

SCALE: | SHEET 27 OF 34 SHEETS | STA. 164+25.00 | TO STA. 164+25.00

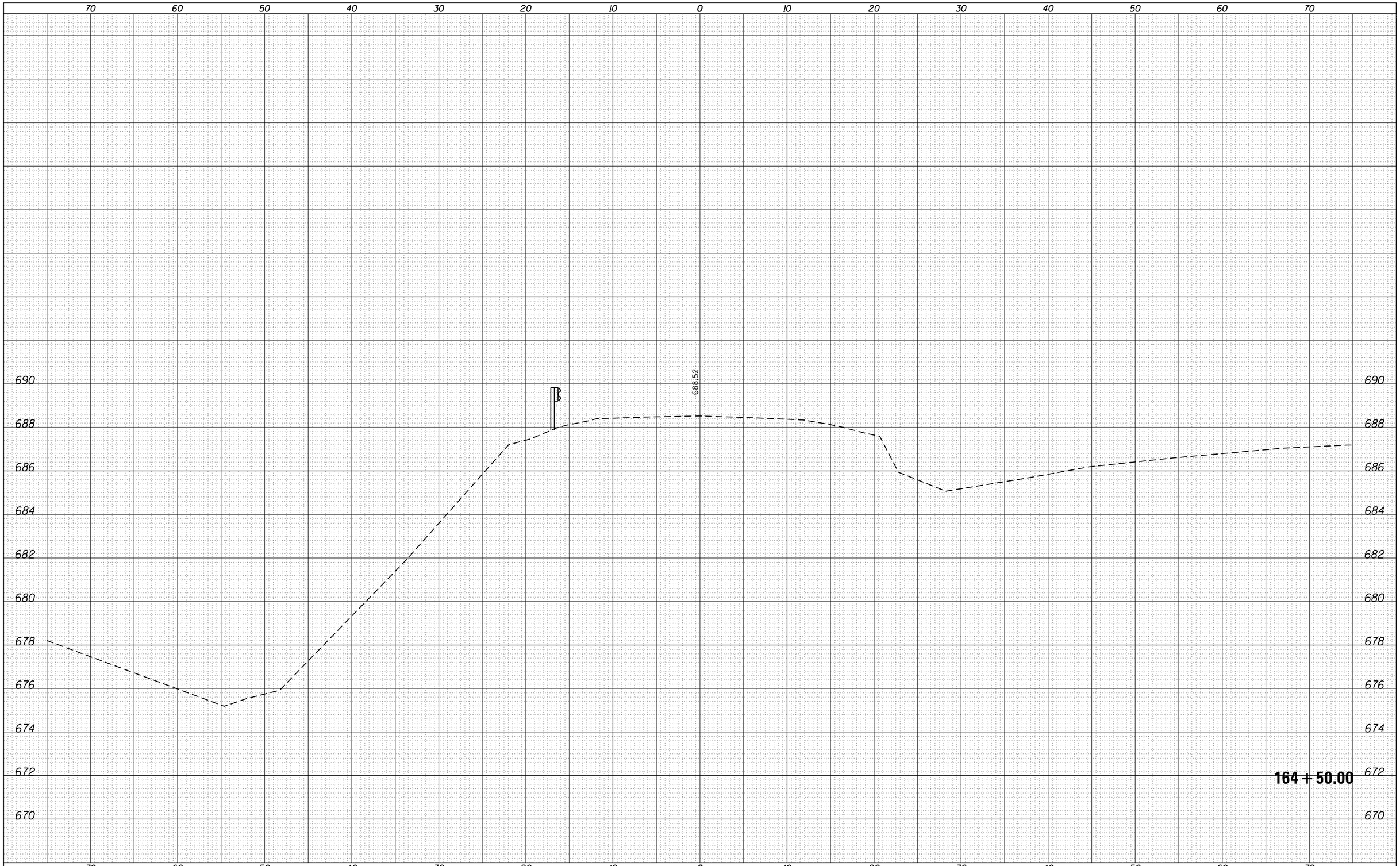
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	78
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 28 OF 34 SHEETS | STA. 164+50.00 | TO STA. 164+50.00

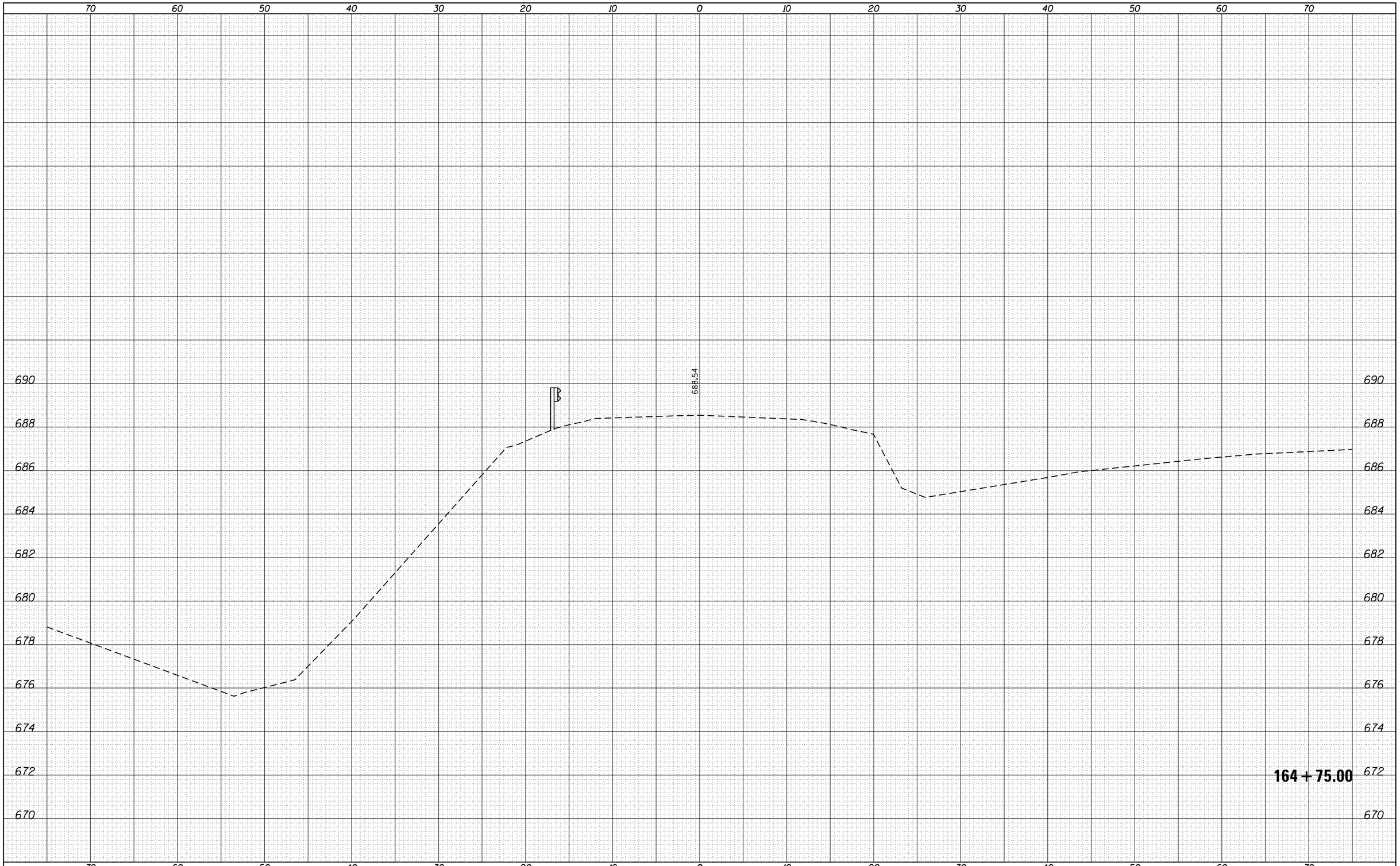
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	79
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

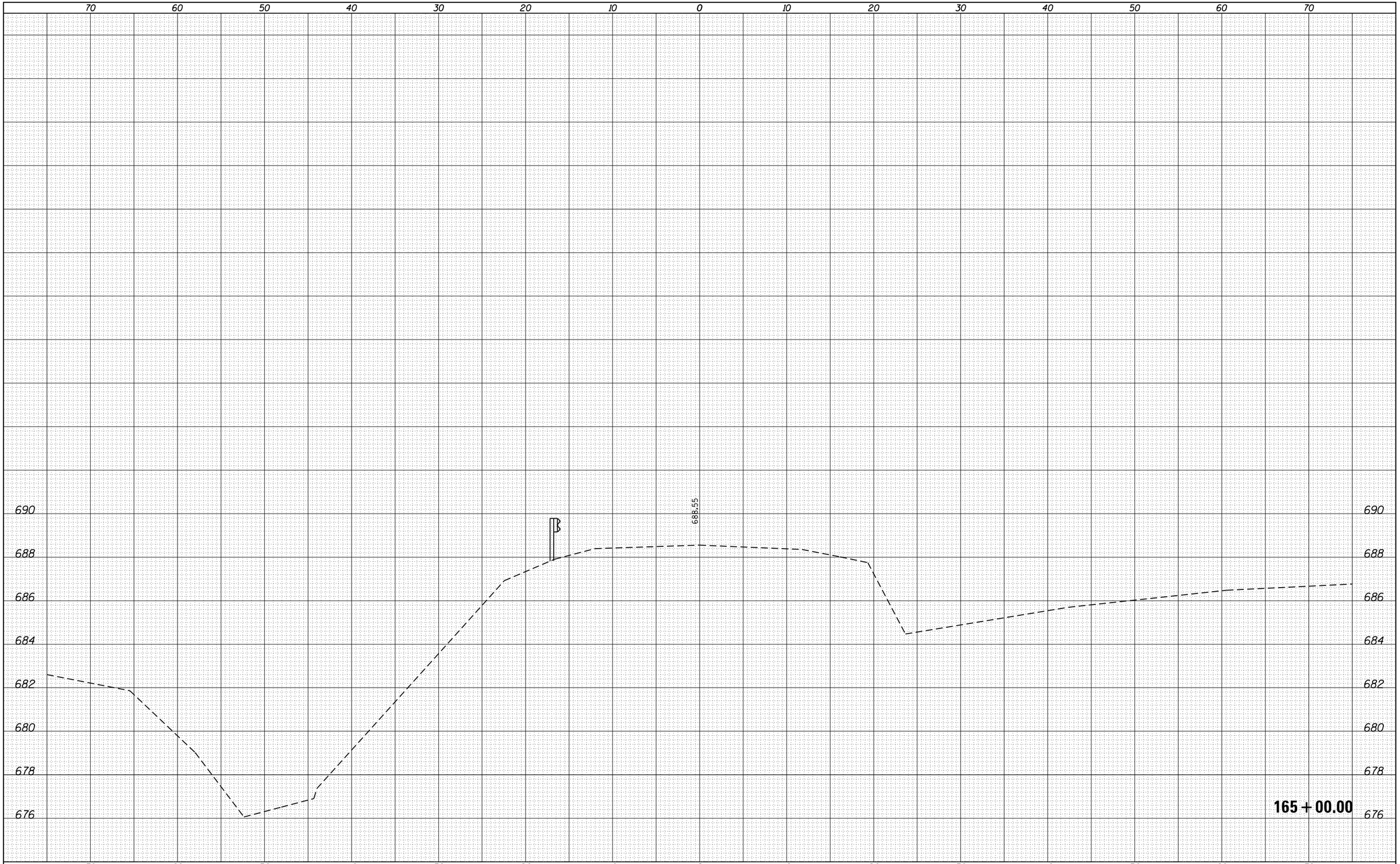
CROSS SECTIONS – OLD US 66

SCALE: | SHEET 29 OF 34 SHEETS | STA. 164+75.00 | TO STA. 164+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	80
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

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



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - OLD US 66

SCALE: | SHEET 30 OF 34 SHEETS | STA. 165+00.00 | TO STA. 165+00.00

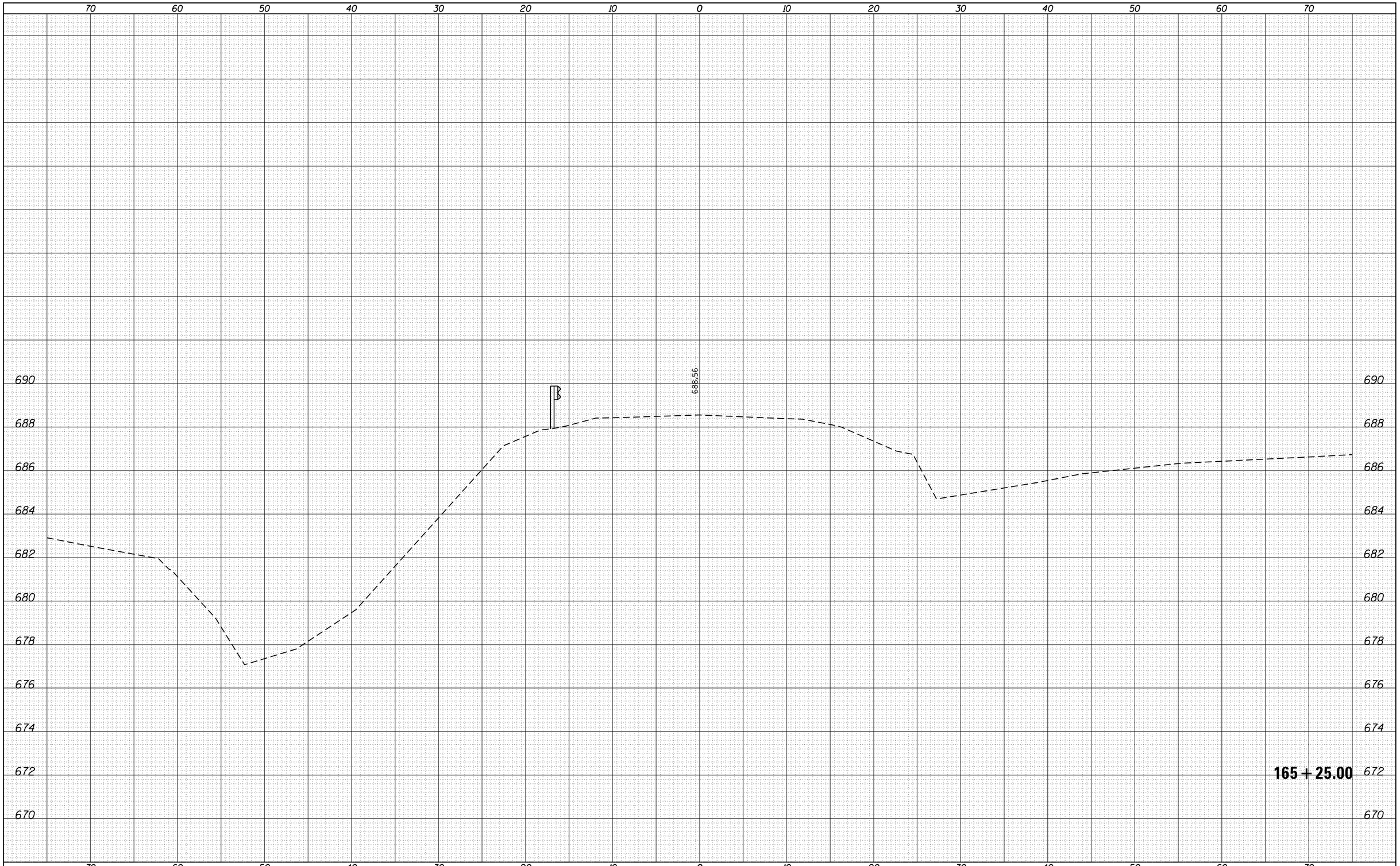
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	81
		CONTRACT NO. 70534		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

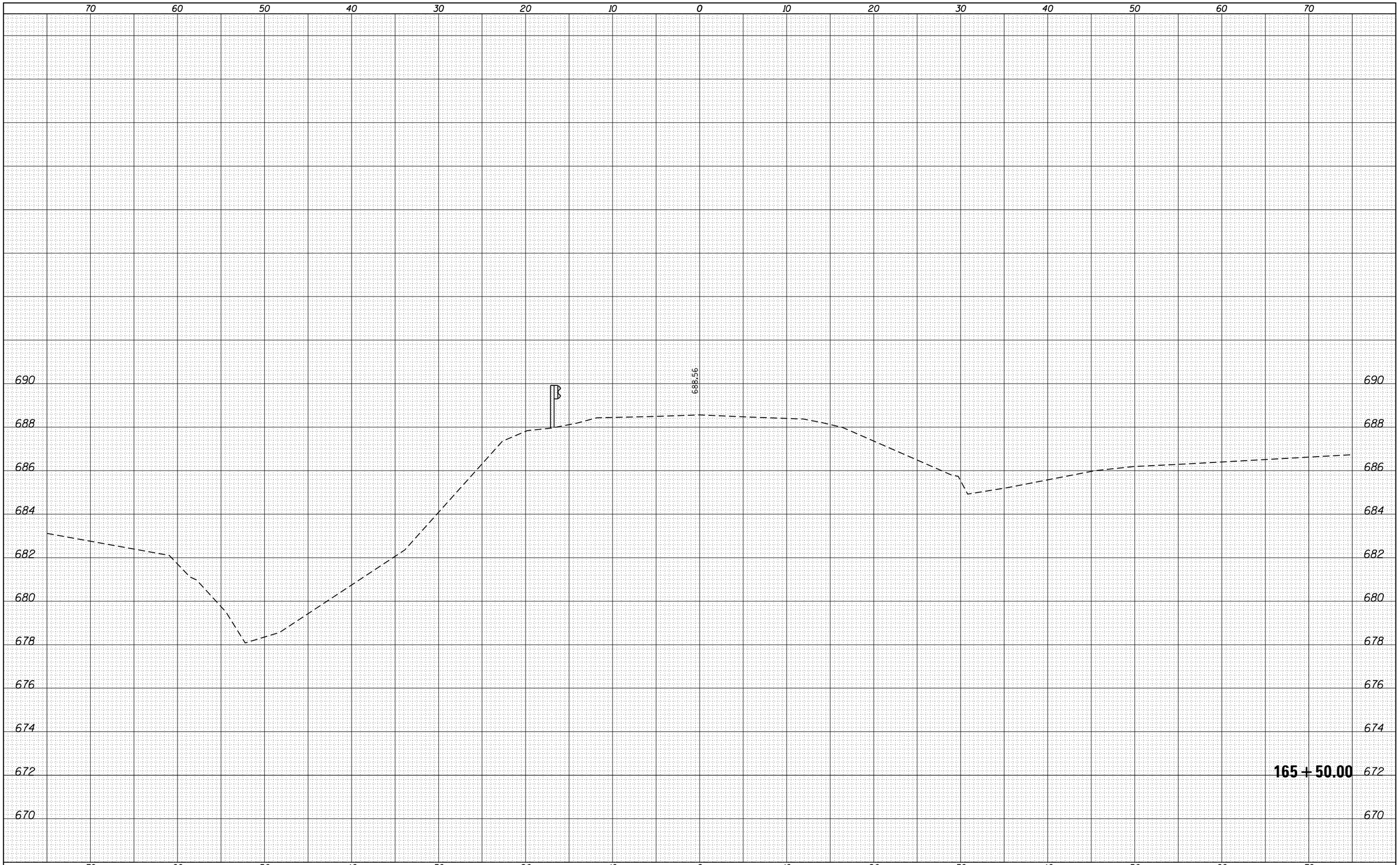
CROSS SECTIONS – OLD US 66

SCALE: | SHEET 31 OF 34 SHEETS | STA. 165+25.00 | TO STA. 165+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	82
		CONTRACT NO. 70534		
		ILLINOIS	FED. AID PROJECT	

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

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



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

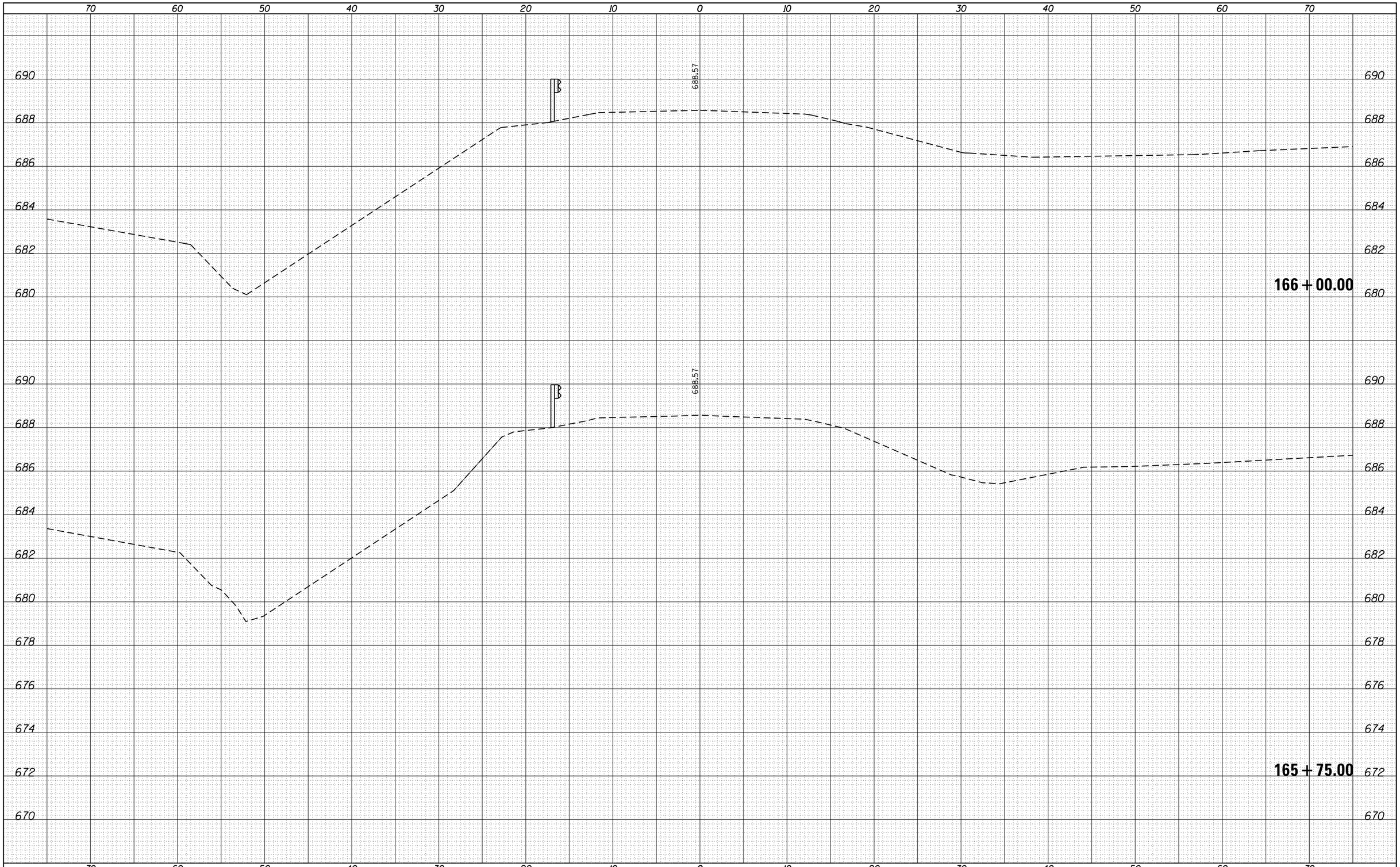
CROSS SECTIONS - OLD US 66

SCALE: | SHEET 32 OF 34 SHEETS | STA. 165+50.00 | TO STA.165+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	83
		CONTRACT NO. 70534		
		ILLINOIS FED. AID PROJECT		

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

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



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD US 66

SCALE: | SHEET 33 OF 34 SHEETS | STA. 165+75.00 | TO STA. 166+00.00

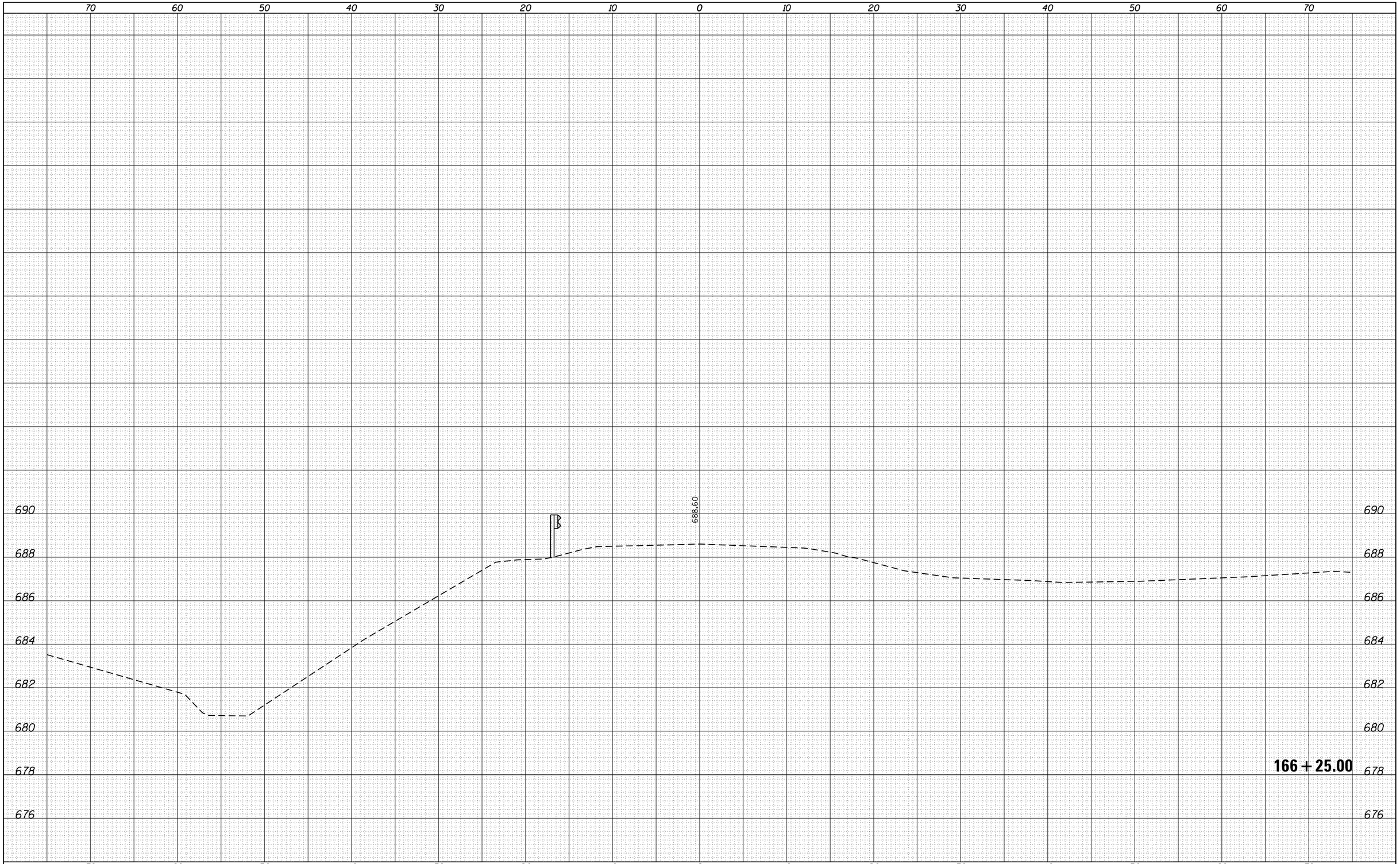
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	84

CONTRACT NO. 70534

ILLINOIS FED. AID PROJECT

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

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



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Default	PLOT DATE = 10/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - OLD US 66

SCALE: | SHEET 34 OF 34 SHEETS | STA. 166+25.00 | TO STA. 166+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1488	(17-RB-2)BR	MCLEAN	85	85
		CONTRACT NO. 70534		
	ILLINOIS	FED. AID PROJECT		