

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 70016		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

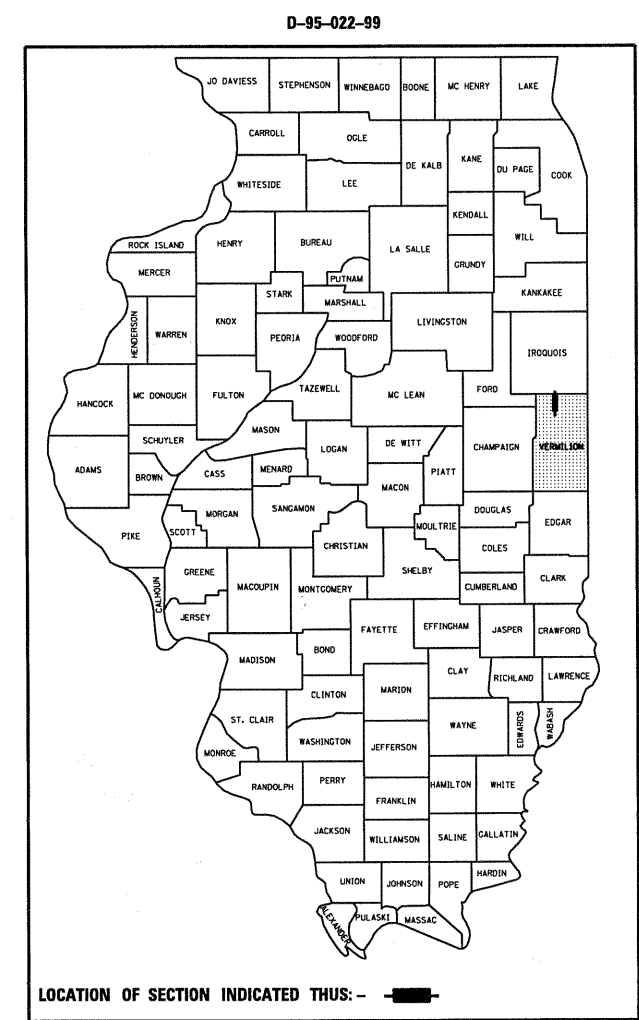
**PROPOSED
HIGHWAY PLANS**

F.A.S. ROUTE 331 (CH 10)
SECTION Z-BR
PROJECT ACRS-0331 (118)
VERMILION COUNTY

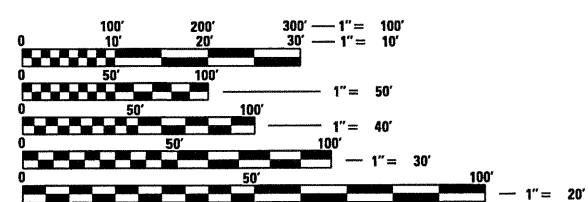
C-95-050-99

TYPE OF IMPROVEMENT - BRIDGE REPLACEMENT
0.8 MILES NORTH OF ROUTE 9 AT EAST LYNN

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4 - 5



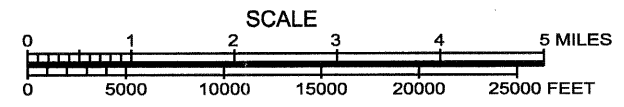
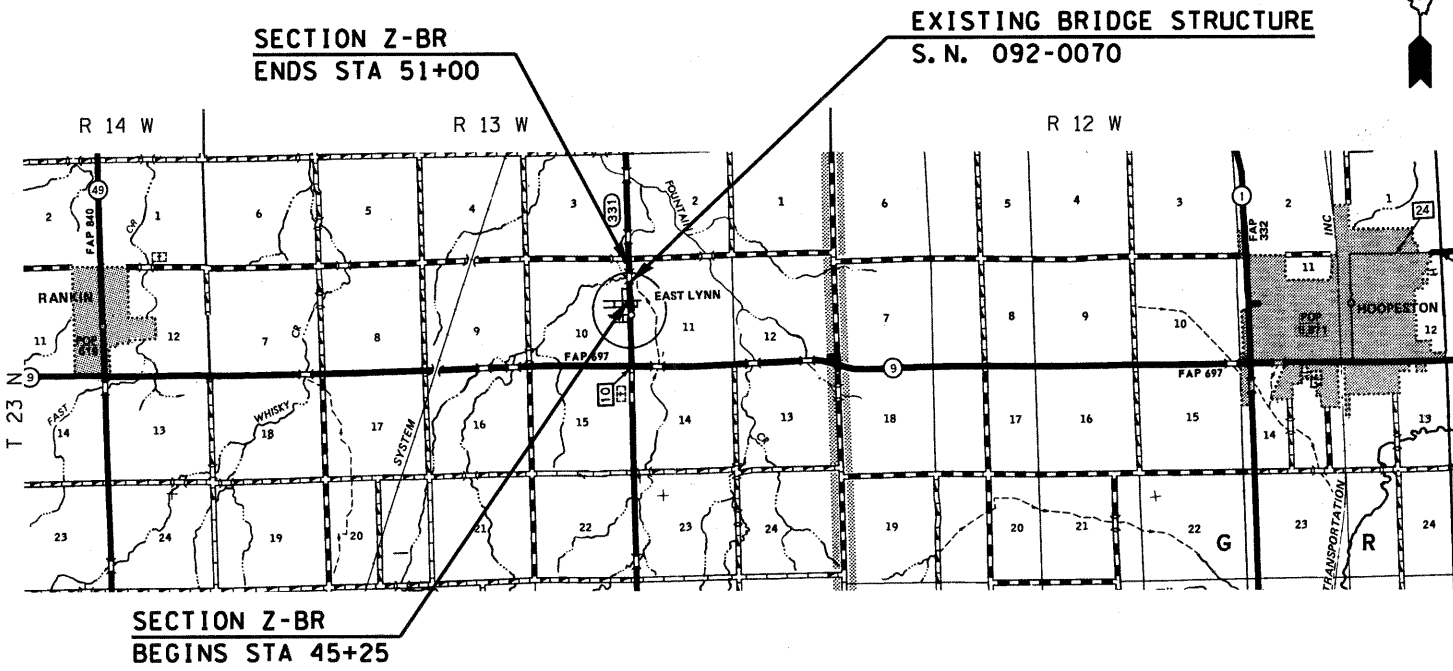
**CURRENT ADT:
350 (2008)**



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 YOUNG AMERICA TOWNSHIP

PROJECT ENGINEER: NANCY FASIG
SQUAD LEADER: TODD BLACK
PHONE: (217)465-4181
CONTRACT NO. 70016



TOTAL LENGTH OF SECTION & PROJECT = 575.00 FEET = 0.109 MILES
NET LENGTH OF SECTION & PROJECT = 575.00 FEET = 0.109 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 8/9 2010
Jessie L. Clouse
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 1 2010
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

October 1 2010
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

8/6/2000 c:\pwworking\dot\blackkr\0228331\text.dgn

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6-7	EXISTING TYPICAL SECTIONS
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17	CENTERLINE CROSS TIES
18	PLAN AND PROFILE SHEET
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22-23	GABION DETAIL
24-25	SOIL BORING LOG
26	DETAIL OF POROUS GRANULAR EMBANKMENT PAY LIMITS
27	RIPRAP DETAILS, TYPICAL
28	GENERAL PLAN & ELEVATION OF EXISTING BRIDGE
29	FIELD TILE SYSTEMS (TREATMENT OF EXISTING) D5 DETAIL NO. 61101011A
30	DELINEATORS D5 DETAIL NO. 63500105
31	TRAFFIC CONT-PROT DEVICES (ROAD & SIDEROAD/STREET CLOSURES) D5 DETAIL NO. 70200000
32-35	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS) D5 DETAIL NO. 7800AAAA
36-49	CROSS SECTIONS

LIST OF HIGHWAY STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420601-05	24' (7.2 m) PCC PAVEMENT
420701-02	PAVEMENT FABRIC
515001-03	NAME PLATE FOR BRIDGES
630001-08	STEEL PLATE BEAM GUARDRAIL
630101-08	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
666001-01	RIGHT OF WAY MARKERS
667101-01	PERMANENT SURVEY MARKERS
701006-03	OFF-RD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-02	TYPICAL PAVEMENT MARKINGS

FILE NAME :	USER NAME : blackrt	DESIGNED - RTB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\blackrt\d028383\text.dgn	PLOT SCALE : 40.0000' / IN.	DRAWN - JRP	REVISED -			331	Z-BR	VERMILION	49	2
PLOT DATE : 8/18/2008	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 70016				
	DATE - 07/2008	REVISED -				FED. ROAD DIST. NO. 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. -105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G. N. -107.31
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C AND/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY 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. -201
TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G. N. -202
GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN- MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G. N. -250C (SPL)
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED NEW 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 THE NEW EARTH AT THE TIME OF ITS COMPLETION.

G. N. -501A
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHOULD FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

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 SETTING THESE MARKERS.

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 BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.

FILE NAME =	USER NAME = blackrt	DESIGNED - RTB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 42.0000" = 1" IN.	CHECKED -	REVISED -			CONTRACT NO. 70016				
	PLOT DATE = 8/18/2012	DATE - 07/2008	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SHEET NO. OF SHEETS				

SUMMARY OF QUANTITIES

LOCATION OF WORK: FAS ROUTE 331 (CH 10)
 VERMILION COUNTY
 SN 092-2039
 Sta. 45+25.00 to Sta. 51+00.00
 RURAL
 80% FED
 20% STATE
 0011

CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30.0
20200100	EARTH EXCAVATION	CU YD	2275.0
20300100	CHANNEL EXCAVATION	CU YD	440.0
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1,837.0
25000200	SEEDING, CLASS 2	ACRE	1.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	100.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	100.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	100.0
† 25000750	MOWING	ACRE	1.1
25100115	MULCH, METHOD 2	ACRE	2.2
25100630	EROSION CONTROL BLANKET	SQ YD	540.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	110.0
28000305	TEMPORARY DITCH CHECKS	FOOT	48.0
28000400	PERIMETER EROSION BARRIER	FOOT	865.0
28000500	INLET AND PIPE PROTECTION	EACH	1.0
28100107	STONE RIPRAP, CLASS A4	SQ YD	245.0
28200200	FILTER FABRIC	SQ YD	365.0
28400100	GABIONS	CU YD	188.0
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	560.0
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	490.0
42001200	PAVEMENT FABRIC	SQ YD	490.0
42001300	PROTECTIVE COAT	SQ YD	490.0
44000100	PAVEMENT REMOVAL	SQ YD	190.0
Z0004552	APPROACH SLAB REMOVAL	SQ YD	200.0
44004000	PAVED DITCH REMOVAL	FOOT	110.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	50.0

† NON-PARTICIPATING 100% STATE

FILE NAME :	USER NAME : blackrt	DESIGNED - RTB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -			CONTRACT NO. 70016					
		DATE - 06/2008	REVISED -			SHEET NO. OF SHEETS		ILLINOIS FED. AID PROJECT			

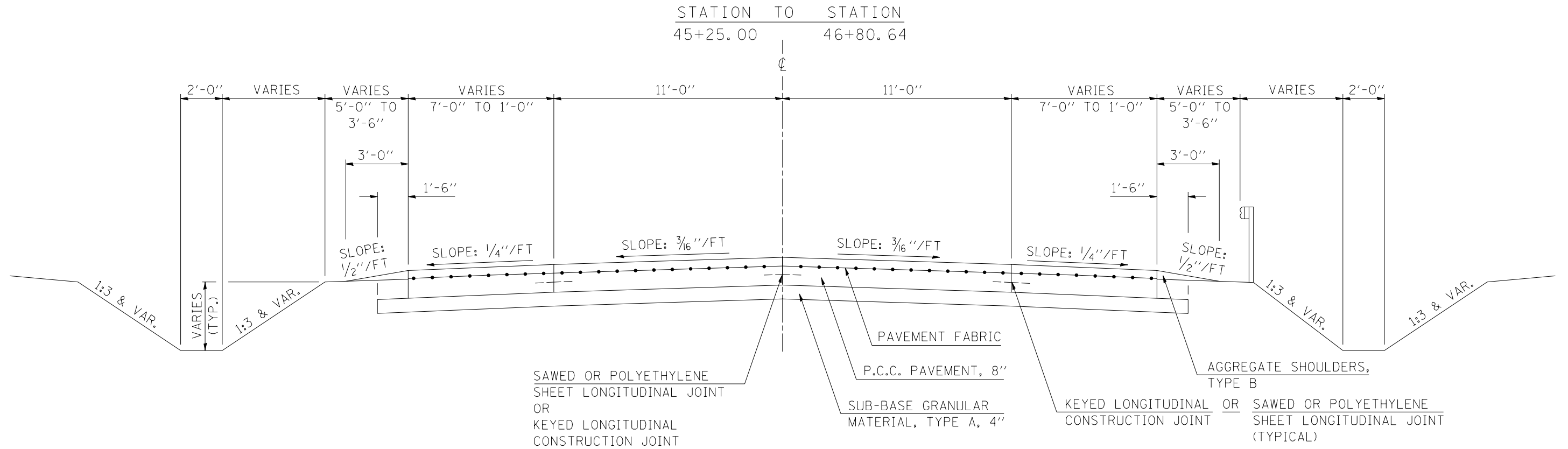
SUMMARY OF QUANTITIES

LOCATION OF WORK: FAS ROUTE 331 (CH 10)
 VERMILION COUNTY
 SN 092-2039
 Sta. 45+25.00 to Sta. 51+00.00
 RURAL
 80% FED
 20% STATE
 CONSTRUCTION TYPE CODE: 0011

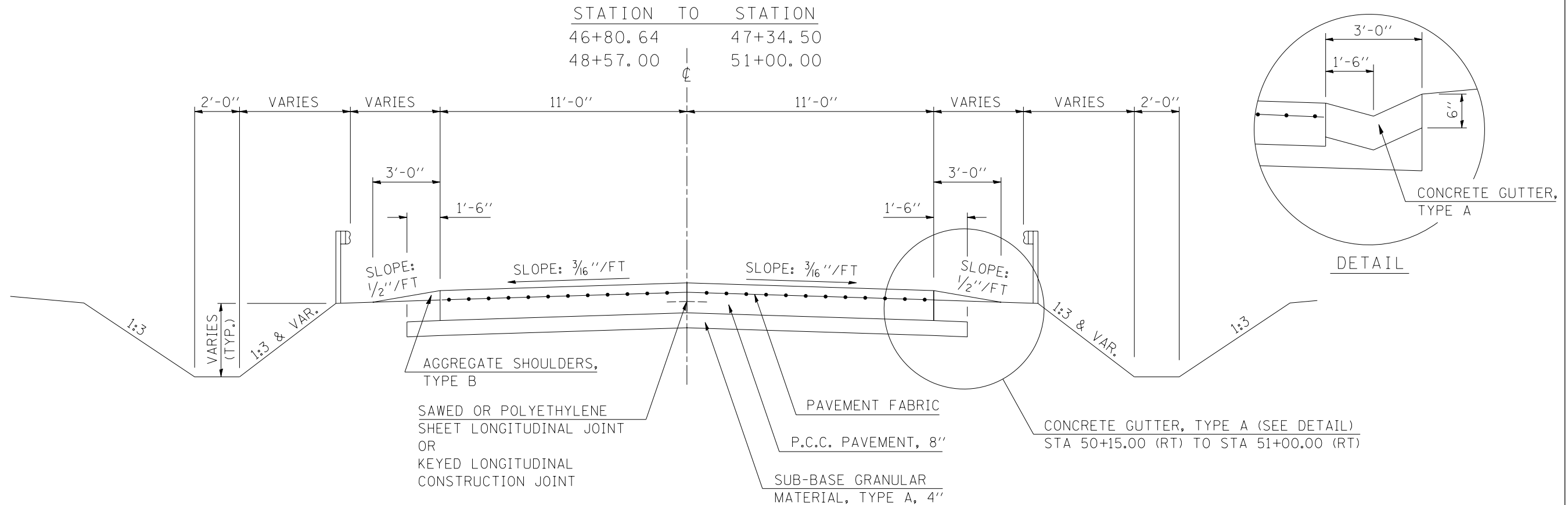
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.0
50200100	STRUCTURE EXCAVATION	CU YD	50.0
50800105	REINFORCEMENT BARS	POUND	86,640.0
51500100	NAME PLATES	EACH	1.0
54003000	CONCRETE BOX CULVERTS	CU YD	322.9
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A , 6 FOOT POSTS	FOOT	437.5
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	100.0
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2.0
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2.0
63200310	GUARDRAIL REMOVAL	FOOT	600.0
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	9.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6.0
67100100	MOBILIZATION	L SUM	1.0
* 70300100	SHORT-TERM PAVEMENT MARKING	FOOT	20.0
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	1,575.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	10.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,575.0
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	4.0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4.0
X7013015	TRAFFIC CONTROL FOR ROAD CLOSURE	L SUM	1.0
XX006983	CLEARING	ACRE	0.1
Z0038700	PERMANENT BENCH MARKS	EACH	1.0
* SPECIALITY ITEMS			

FILE NAME :	USER NAME : black-t	DESIGNED - RTB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - JRP	REVISED -			331	Z-BR	VERMILION	49	5	
		CHECKED -	REVISED -			CONTRACT NO. 70016					
		DATE - 06/2008	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
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EXISTING ROADWAY TYPICAL SECTION



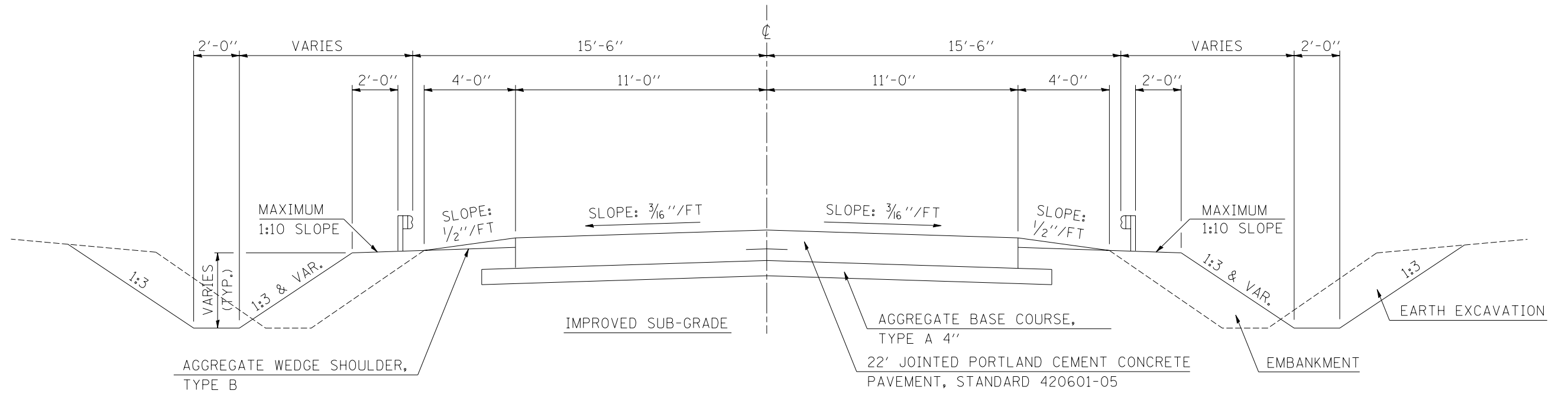
EXISTING ROADWAY TYPICAL SECTION



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PLOT DATE = 8/18/2010	DATE - 06/2008	REVISED -	ILLINOIS FED. AID PROJECT							
					NOT TO SCALE	SHEET NO.	OF	SHEETS		

PROPOSED ROADWAY TYPICAL SECTION

STATION TO STATION
47+00.00 49+00.00



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED ROADWAY TYPICAL SECTION

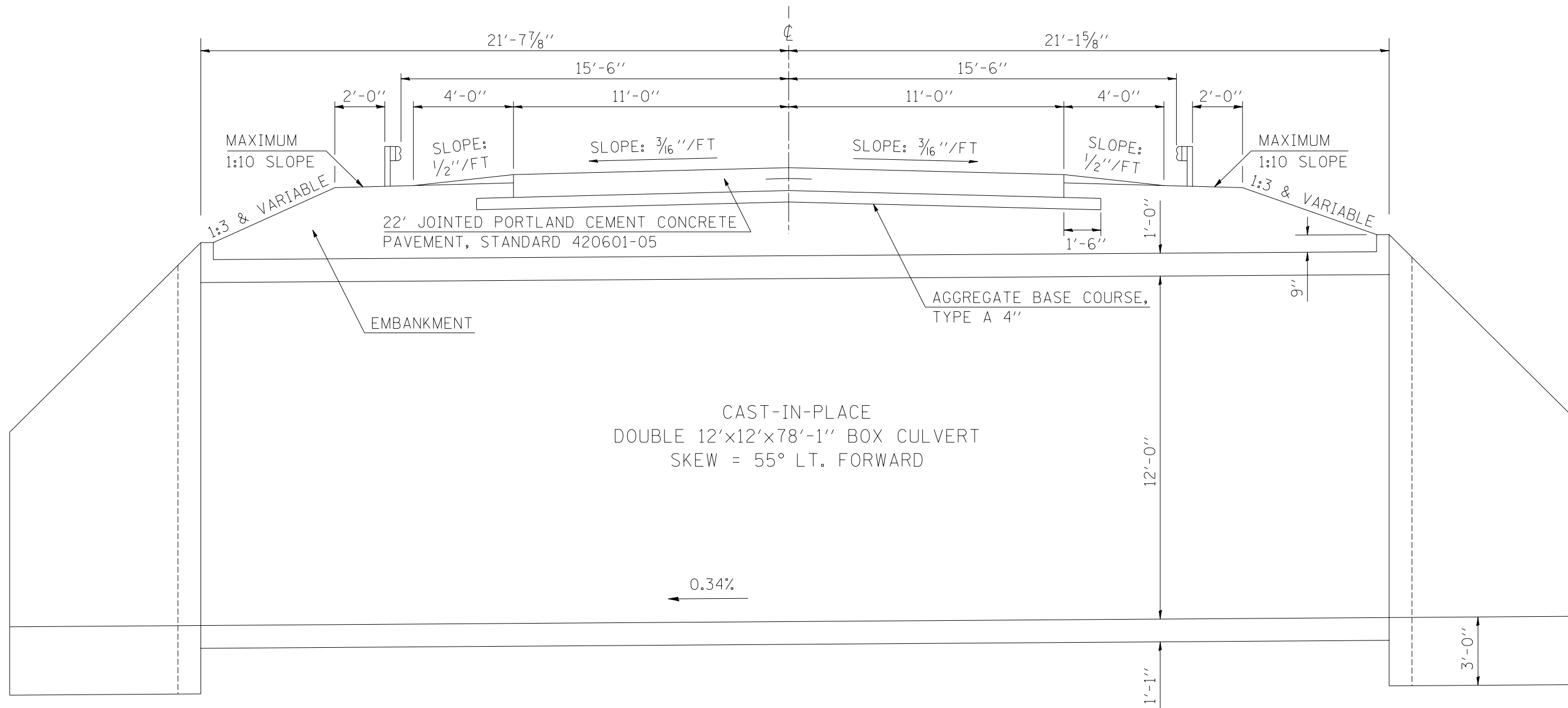
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

PROPOSED STRUCTURE TYPICAL SECTION

S. N. 092-2039

STATION TO STATION
47+72.00 48+19.50



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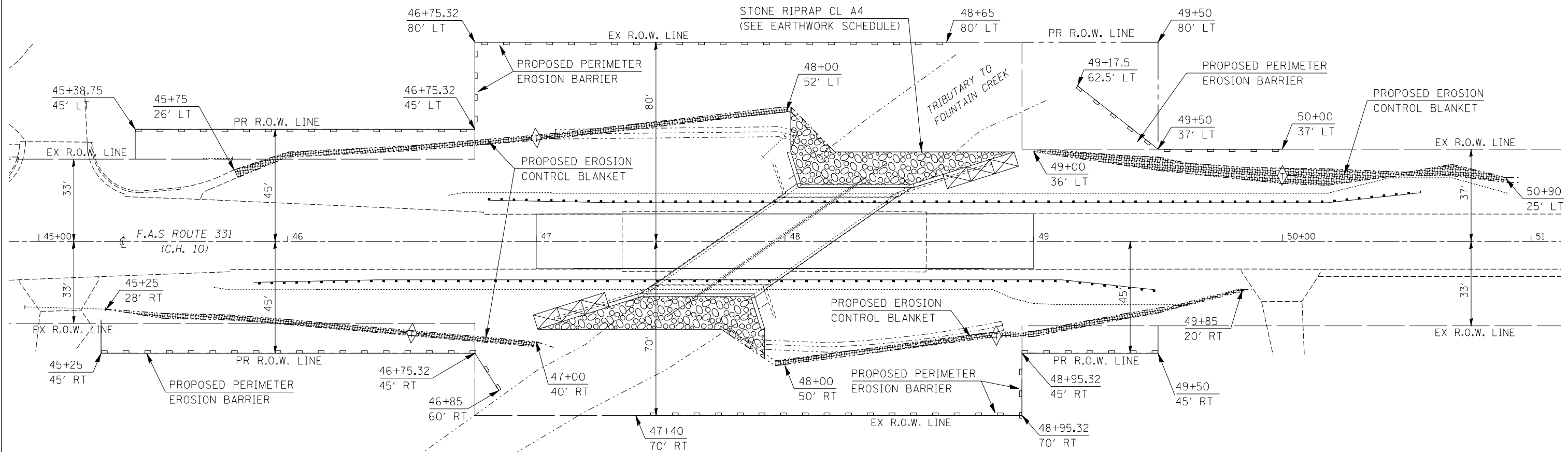
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED STRUCTURE TYPICAL SECTION

NOT TO SCALE SHEET NO. OF SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

SCHEDULE OF QUANTITIES EROSION CONTROL DETAILS



SEEDING SUMMARY

LOCATION	25000200 SEEDING CLASS 2 (ACRE)	25000400 NITROGEN (POUND)	25000500 PHOSPHORUS (POUND)	25000600 POTASSIUM (POUND)	25100115 MULCH METHOD 2 (ACRE)	28000250 TEMP. EROS. CTL SEEDING (POUND)	25000750 MOWING (ACRE)
LT STA 45+25 - 48+65 (SW QUAD)	0.25	22.5	22.5	22.5	0.50	25.0	0.25
LT STA 48+50 - 51+00 (NW QUAD)	0.30	27.0	27.0	27.0	0.60	30.0	0.30
RT STA 45+25 - 47+50 (SE QUAD)	0.30	22.5	22.5	22.5	0.60	30.0	0.30
RT STA 47+25 - 50+00 (NE QUAD)	0.25	27.0	27.0	27.0	0.50	25.0	0.25
TOTALS =	1.1	99.0	99.0	99.0	2.2	110.0	1.1
USE =	1.1	100.0	100.0	100.0	2.2	110.0	1.1

25100630 EROSION CONTROL BLANKET

LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
LT STA 45+75 - 48+00 (SW DITCH)	230.0	6.0	153.3
LT STA 49+00 - 50+90 (NW DITCH)	200.0	6.0	133.3
RT STA 45+25 - 47+00 (SE DITCH)	175.0	6.0	116.7
RT STA 48+00 - 49+85 (NE DITCH)	200.0	6.0	133.3
TOTAL =			536.6
USE =			540.0

**20200100 EARTH EXCAVATION
(FOR STILLING BASIN)**

STATION	OFFSET	(CU YD)
48+75	60' LT	40.0
TOTAL =		40.0
USE =		40.0

28000300 TEMPORARY DITCH CHECKS

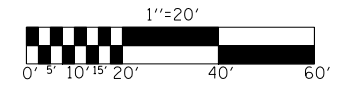
STATION	OFFSET	FOOT
47+00	41.5' LT	12.0
50+00	26.5' LT	12.0
46+50	37.0' RT	12.0
48+85	37.5' RT	12.0
TOTAL =		48.0
USE =		48.0

28000400 PERIMETER EROSION BARRIER

LOCATION	LENGTH (FOOT)
LT STA 45+39 - 48+65 (SW QUAD)	365.0
LT STA 49+17 - 50+00 (NW QUAD)	95.0
RT STA 45+25 - 46+85 (SE QUAD)	170.0
RT STA 47+40 - 49+50 (NE QUAD)	235.0
TOTAL =	865.0
USE =	865.0

28000500 INLET & PIPE PROTECTION

STATION	OFFSET	EACH
45+26.75	27.5' RT	1.0
TOTAL =		1.0
USE =		1.0



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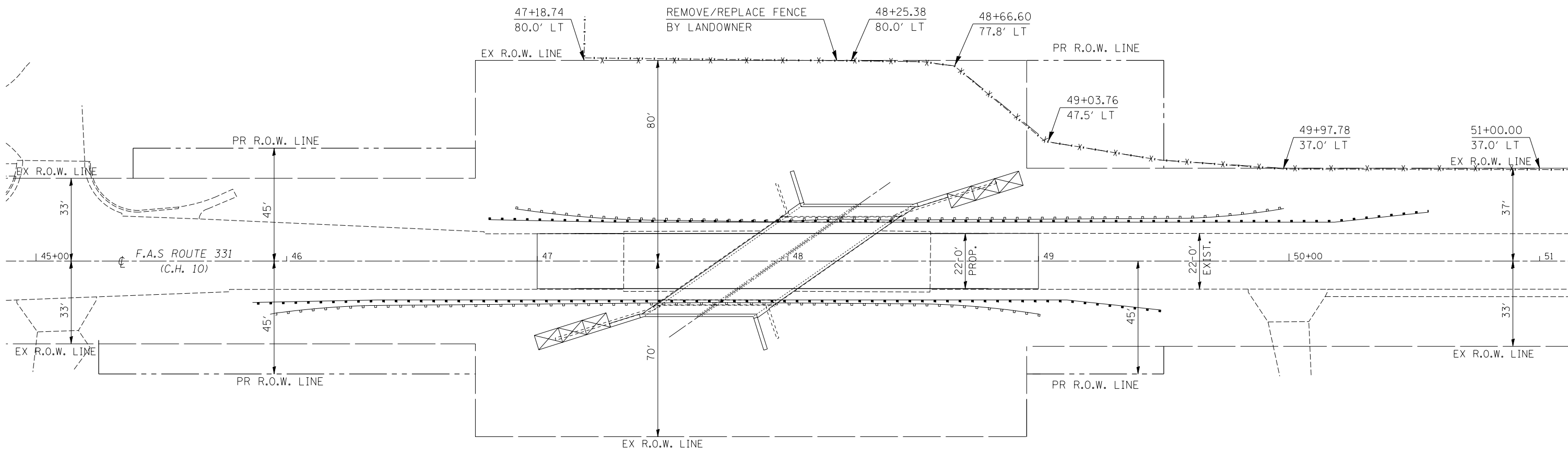
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
EROSION CONTROL DETAILS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 45+00.00 TO STA. 51+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

SCHEDULE OF QUANTITIES REMOVAL DETAILS



44000100 PAVEMENT REMOVAL

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
47+00.00		47+34.50	34.5	22.0	84.3
48+57.00		49+00.00	43.0	22.0	105.1
TOTAL =					189.4
USE =					190.0

50100100 REMOVAL EXISTING STRUCTURE

S. N.	092-0070	EACH
CENTERLINE STA 47+95.97		1.0
TOTAL =		1.0
USE =		1.0

44004000 PAVED DITCH REMOVAL

LOCATION	LENGTH (FOOT)	
LT STA 47+20 - 47+75 (SW DITCH)	55.0	
RT STA 48+20 - 48+75 (NE DITCH)	55.0	
TOTAL =		110.0
USE =		110.0

X0325129 TREE REMOVAL

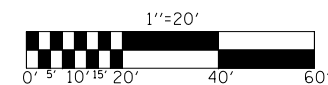
STATION	OFFSET	DIAMETER (UNIT)
49+75	37' LT	15.0
50+10	37' LT	15.0
TOTAL =		30.0
USE =		30.0

Z0004552 APPROACH SLAB REMOVAL

STATION	TO	STATION	AVG. LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
47+34.50		47+72.00	37.5	24.0	100.0
48+57.00		49+00.00	37.5	24.0	100.0
TOTAL =					200.0
USE =					200.0

XX006983 CLEARING

LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (ACRE)
STA 48+95.32 - 49+50.00 (37' LT - 80' LT)	54.7	43.0	0.05
TOTAL =			0.05
USE =			0.10



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		DRAWN - JRP	REVISED -
		CHECKED -	REVISED -
		DATE - 06/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES REMOVAL DETAILS

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 45+00.00 TO STA. 51+00.00

F.A.S. RTE. 331	SECTION Z-BR	COUNTY VERMILION	TOTAL SHEETS 49	SHEET NO. 11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

SCHEDULE OF QUANTITIES TABULATION OF EARTHWORK

EARTHWORK ANALYSIS										
LOCATION	(CU. YD.)	20200100 EARTH EXCAVATION (CU. YD.)	50200100 STRUCTURE EXCAVATION (CU. YD.)	20300100 CHANNEL EXCAVATION (CU. YD.)	EARTH EX. SHRINK(25%) (CU. YD.)	BACKFILL (CU. YD.)	EMBANKMENT (CU. YD.)	EARTHWORK BALANCE CALCULATION (CU. YD.)	WASTE (CU. YD.)	20700220 POUROUS GRANULAR EMBANKMENT (CU. YD.)
LT SHOULDER REMOVAL	6.0	6.0	-	-	-	-	-	-	6.0	-
RT SHOULDER REMOVAL	7.0	7.0	-	-	-	-	-	-	7.0	-
PAVEMENT SUBBASE REMOVAL	46.0	46.0	-	-	-	-	-	-	46.0	-
LT DITCH CUT	190.0	190.0	-	-	-	-	-	-	190.0	-
RT DITCH CUT	55.0	55.0	-	-	-	-	-	-	55.0	-
STA. 48+75, 60' LT.	40.0	40.0	-	-	-	-	-	-	-	-
LT STRUCTURE AND GABION EARTHWORK	980.0	980.0	25.0	-	754.0	190.0	86.0	478.0 + (478.0) x (0.25)	597.5	863.0
RT STRUCTURE AND GABION EARTHWORK	950.0	950.0	25.0	-	730.0	175.0	220.0	335.0 + (335.0) x (0.25)	420.0	974.0
CHANNEL EARTHWORK	440.0	-	-	440.0	-	-	-	-	440.0	-
TOTALS =		2274.0	50.0	440.0		365.0	306.0		1761.5	1837.0
USE =		2275.0	50.0	440.0		365.0	310.0		1765.0	1837.0

SCHEDULE OF QUANTITIES

28100107 STONE RIPRAP CLASS A4

LOCATION	AREA (SQ YD)
LT STA 48+00 - 48+92	120.0
RT STA 47+00 - 47+96	125.0
TOTAL =	245.0
USE =	245.0

28400100 GABIONS

LOCATION	VOLUME (CU YD)
LT STA 48+63.50 - 48+93.92	93.6
RT STA 46+98.83 - 47+29.25	93.7
TOTAL =	187.3
USE =	188.0

28200200 FILTER FABRIC

LOCATION	AREA (SQ YD)
LT STA 48+00.00 - 48+92.00 (RIPRAP APPLICATION)	120.0
RT STA 47+00.00 - 48+02.00 (RIPRAP APPLICATION)	125.0
LT STA 48+63.50 - 48+93.92 (GABION APPLICATION)	60.0
RT STA 46+98.83 - 47+29.25 (GABION APPLICATION)	60.0
TOTAL =	365.0
USE =	365.0

35100300 AGGREGATE BASE COURSE, TYPE A 4 INCH

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
47+00.00		49+00.00	200.0	25.0	555.6
TOTAL =					555.6
USE =					560.0

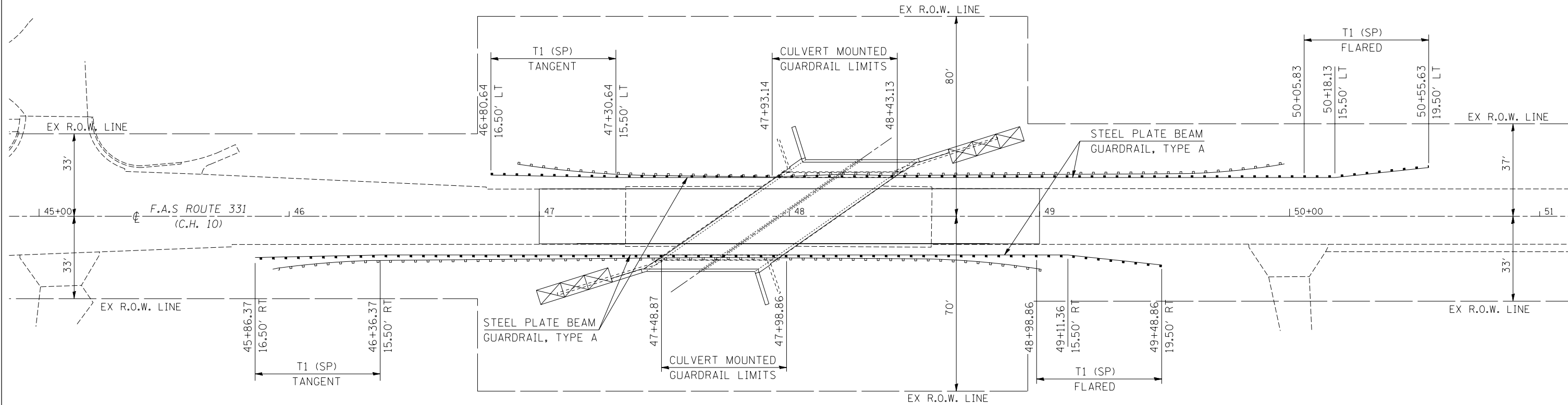
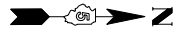
42000301 PCC PAVEMENT 8 INCH JOINTED

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
47+00.00		49+00.00	200.0	22.0	488.9
TOTAL =					488.9
USE =					490.0

42001300 PROTECTIVE COAT

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
47+00.00		49+00.00	200.0	22.0	488.9
TOTAL =					488.9
USE =					490.0

SCHEDULE OF QUANTITIES GUARDRAIL DETAILS



63200310 GUARDRAIL REMOVAL

STATION	TO	STATION	FOOT
45+93.42 (RT)		49+00.69 (RT)	300.0
46+92.19 (LT)		49+97.96 (LT)	300.0
TOTAL =			600.0

63000025 STEEL PLATE BEAM GUARD RAIL ATTACHED TO STRUCTURE

STATION	TO	STATION	FOOT
47+48.87 (RT)		47+98.86 (RT)	50.0
47+93.14 (LT)		48+43.13 (LT)	50.0
TOTAL =			100.0

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

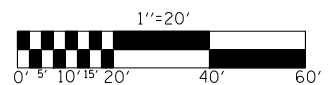
STATION	TO	STATION	EACH
45+86.37 (RT)		46+36.37 (RT)	1.0
46+80.64 (LT)		47+30.64 (LT)	1.0
TOTAL =			2.0

63000001 STEEL PLATE BEAM GUARD RAIL, TYA, 6 FT POSTS

STATION	TO	STATION	FOOT
46+36.37 (RT)		47+48.87 (RT)	112.5
47+98.86 (RT)		48+98.86 (RT)	100.0
47+30.64 (LT)		47+93.14 (LT)	62.5
48+43.13 (LT)		50+05.83 (LT)	162.5
TOTAL =			437.5

63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED

STATION	TO	STATION	EACH
48+98.86 (RT)		49+48.86 (RT)	1.0
50+05.83 (LT)		50+55.63 (LT)	1.0
TOTAL =			2.0



FILE NAME =	USER NAME = blockrt	DESIGNED - RTB	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/18/2010	DATE - 06/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES GUARDRAIL DETAILS

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 45+00.00 TO STA. 51+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	14
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 70016	

SCHEDULE OF QUANTITIES

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AVERAGE THICKNESS (FOOT)	(TON)
45+65.14		47+00.00	LT 135.0	4.0	0.125	4.5
47+00.00		49+00.00	LT 200.0	4.0	0.250	13.3
49+00.00		51+00.00	LT 200.0	4.0	0.125	6.7
45+25.00		45+77.15	RT 53.0	4.0	0.125	1.8
45+77.15		47+00.00	RT 122.9	4.0	0.125	4.1
47+00.00		49+00.00	RT 200.0	4.0	0.250	13.3
49+00.00		49+83.75	RT 83.8	4.0	0.125	2.8
TOTAL =						46.5
USE =						50.0

Z0038700 PERMANENT BENCH MARKS

LOCATION	DESCRIPTION	(EACH)
S. N. 092-2039	STRUCTURE HEADWALL	1.0
TOTAL =		1.0
USE =		1.0

66600105 FURNISH AND ERECT ROW MARKERS

STATION	OFFSET	(EACH)
45+38.75	45.0' LT	1.0
45+25.00	45.0' RT	1.0
46+75.32	45.0' LT	1.0
46+75.32	45.0' RT	1.0
48+95.32	45.0' RT	1.0
49+50.00	37.0' LT	1.0
49+50.00	80.0' LT	1.0
49+50.00	33.0' RT	1.0
49+50.00	45.0' RT	1.0
TOTAL =		9.0
USE =		9.0

SCHEDULE OF QUANTITIES

70300100 SHORT-TERM PAVEMENT MARKING

STATION	TO	STATION	DESCRIPTION	LENGTH (FOOT)
47+00		49+00	YELLOW: LINE 4 INCH CENTERLINE	20.0
TOTAL =				20.0
USE =				20.0

70300220 TEMPORARY PAVEMENT MARKING LINE 4 INCH

STATION	TO	STATION	LOCATION	DESCRIPTION	LENGTH (FOOT)
45+00		52+00	CENTERLINE	YELLOW SKIP DASH	175.0
SUBTOTAL =					175.0
45+00		52+00	LEFT EOP	WHITE SOLID	700.0
45+00		52+00	RIGHT EOP	WHITE SOLID	700.0
SUBTOTAL =					1400.0
TOTAL =					1575.0
USE =					1575.0

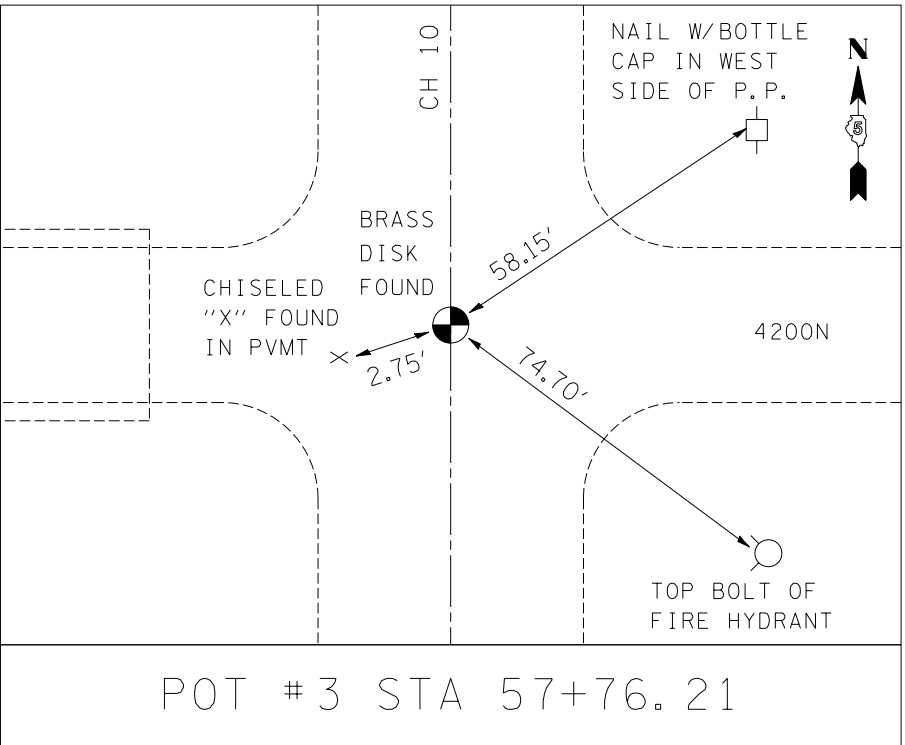
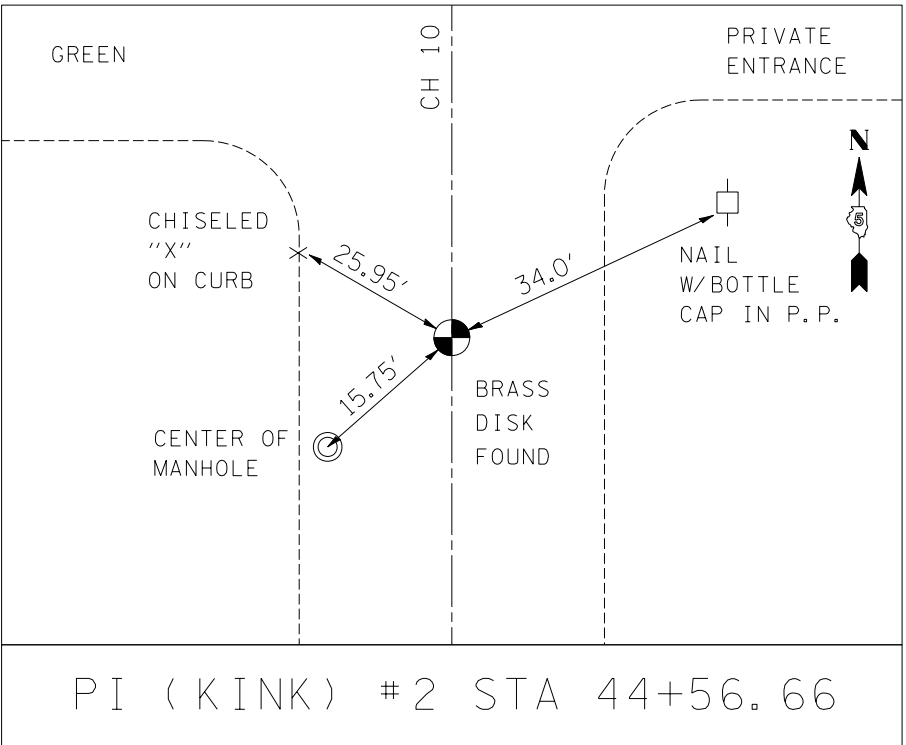
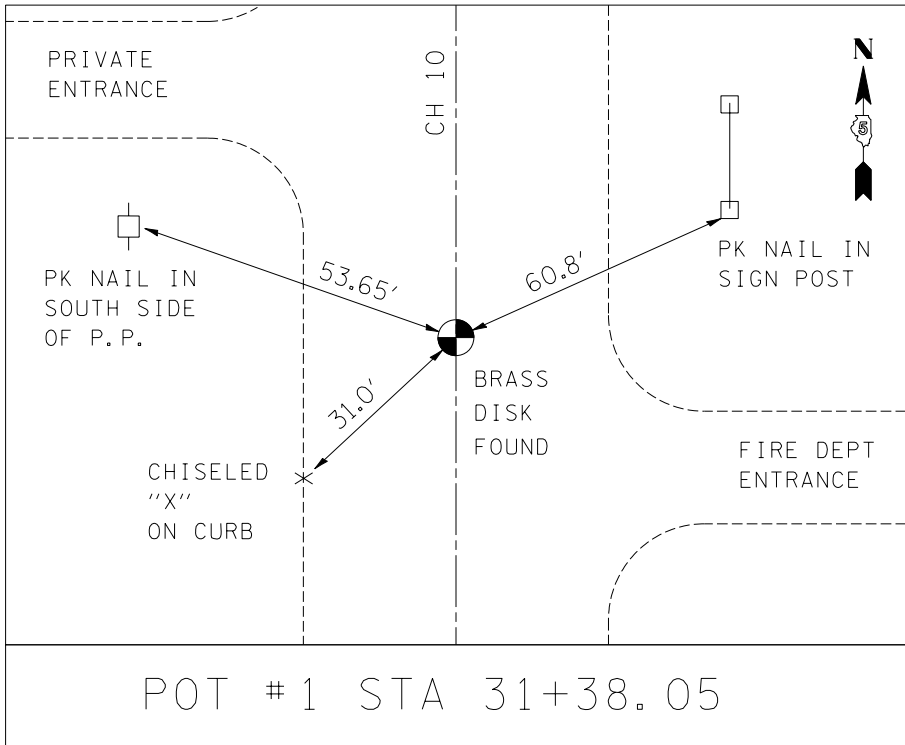
70301000 WORK ZONE PAVEMENT MARK REMOVAL

STATION	TO	STATION	DESCRIPTION	AREA (SQ FT)
47+00		49+00	YELLOW: LINE 4 INCH CENTERLINE	6.6
TOTAL =				6.6
USE =				10.0

78001110 PAINT PAVEMENT MARKING LINE 4 INCH

STATION	TO	STATION	LOCATION	DESCRIPTION	LENGTH (FOOT)
45+00		52+00	CENTERLINE	YELLOW SKIP DASH	175.0
SUBTOTAL =					175.0
45+00		52+00	LEFT EOP	WHITE SOLID	700.0
45+00		52+00	RIGHT EOP	WHITE SOLID	700.0
SUBTOTAL =					1400.0
TOTAL =					1575.0
USE =					1575.0

CENTERLINE CROSS TIES



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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/18/2010	DATE - 04/23/08	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

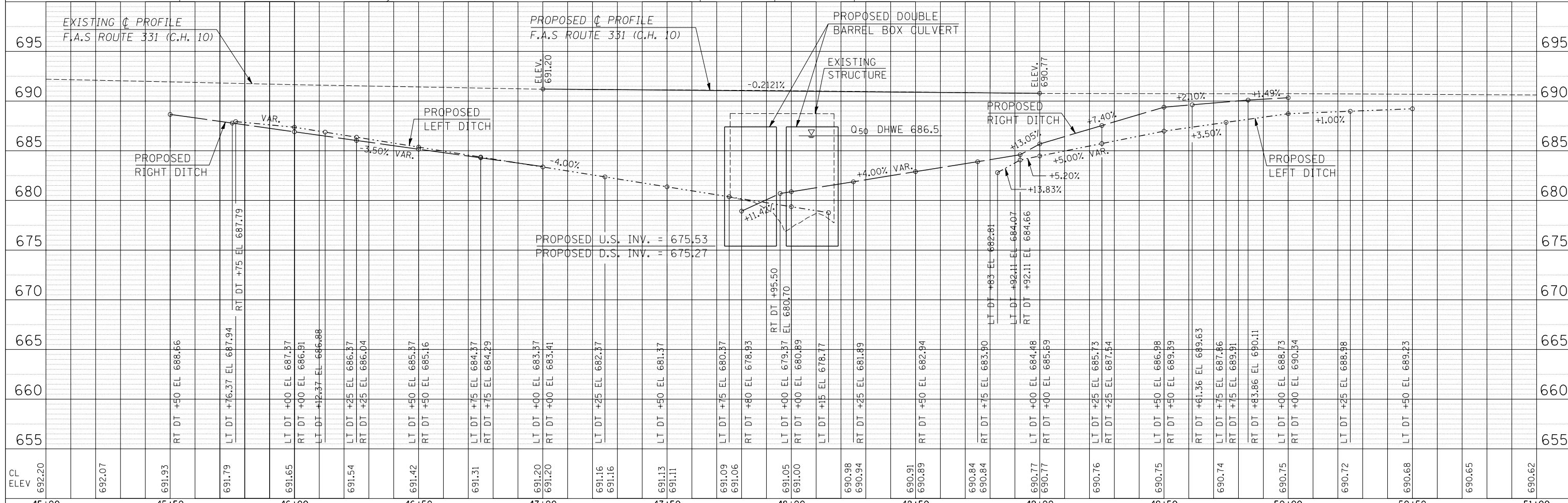
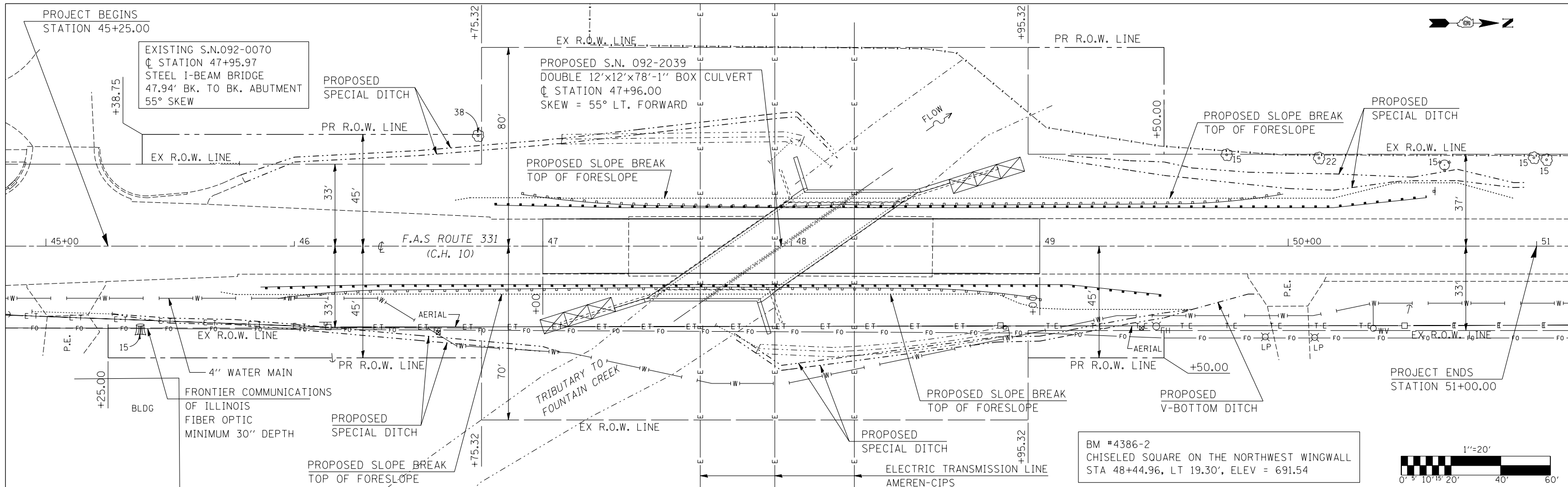
CENTERLINE CROSS TIES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	



FILE NAME =	USER NAME = blackrt	DESIGNED - RTB	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 8/18/2010		DATE - 06/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE F.A.S. 331 (CH 10)

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 45+00.00 TO STA. 51+00.00

F.A.S. RTE. 331	SECTION Z-BR	COUNTY VERMILION	TOTAL SHEETS 49	SHEET NO. 18
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 70016		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A.S. 331	Z-BR	Vermilion	49	19	- SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Bench Mark: #4386-2 Chiseled square on the North West wingwall of existing structure 092-0070
 Station 48+44.96 19.30 Lt. Elevation 691.54 ft.

Existing Structure: S.N. 092-0070 built in 1953 under Proj. S-80(2), F.A.S. 331, Sec. Z-B at Sta. 2+04.35.
 The superstructure consists of a concrete deck supported on simple steel beams. The substructure consists of closed abutments. The Bk. to Bk. dimension measures 47'-11 1/4" while the o.-o. width measures 35'-0".
 The road will be closed during construction.

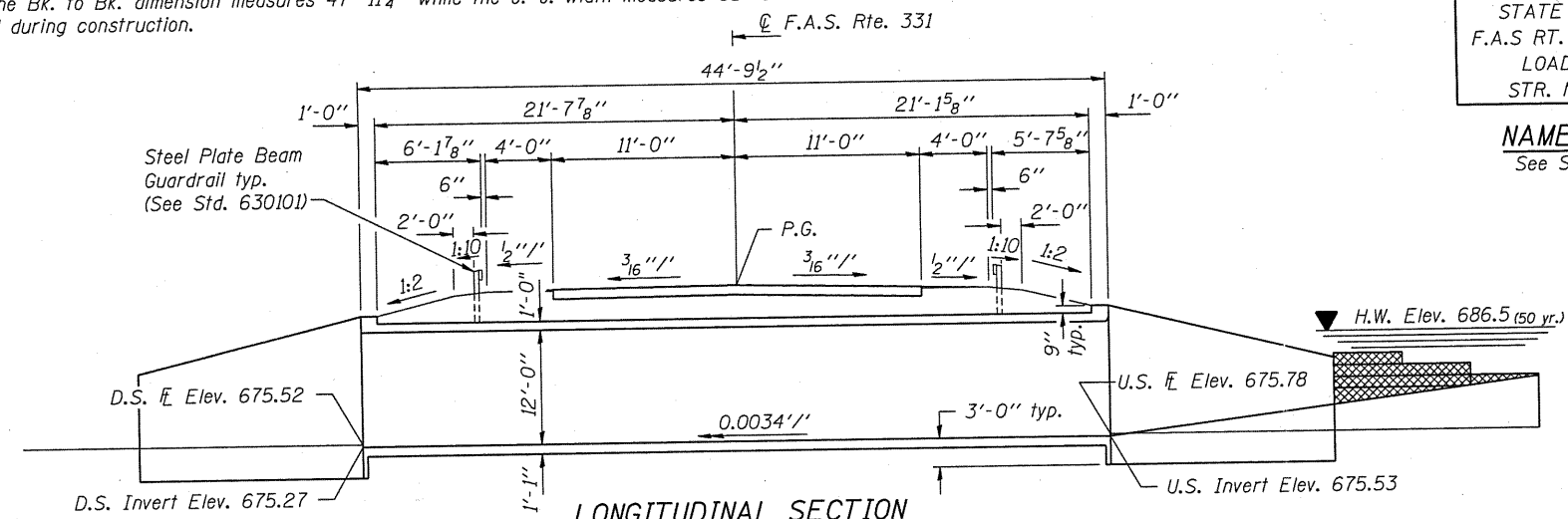
No salvage

STATION 47+96.00
 BUILT BY
 STATE OF ILLINOIS
 F.A.S RT. 331-SEC. Z-BR
 LOADING HS20
 STR. NO. 092-2039

NAME PLATE
 See Std. 515001

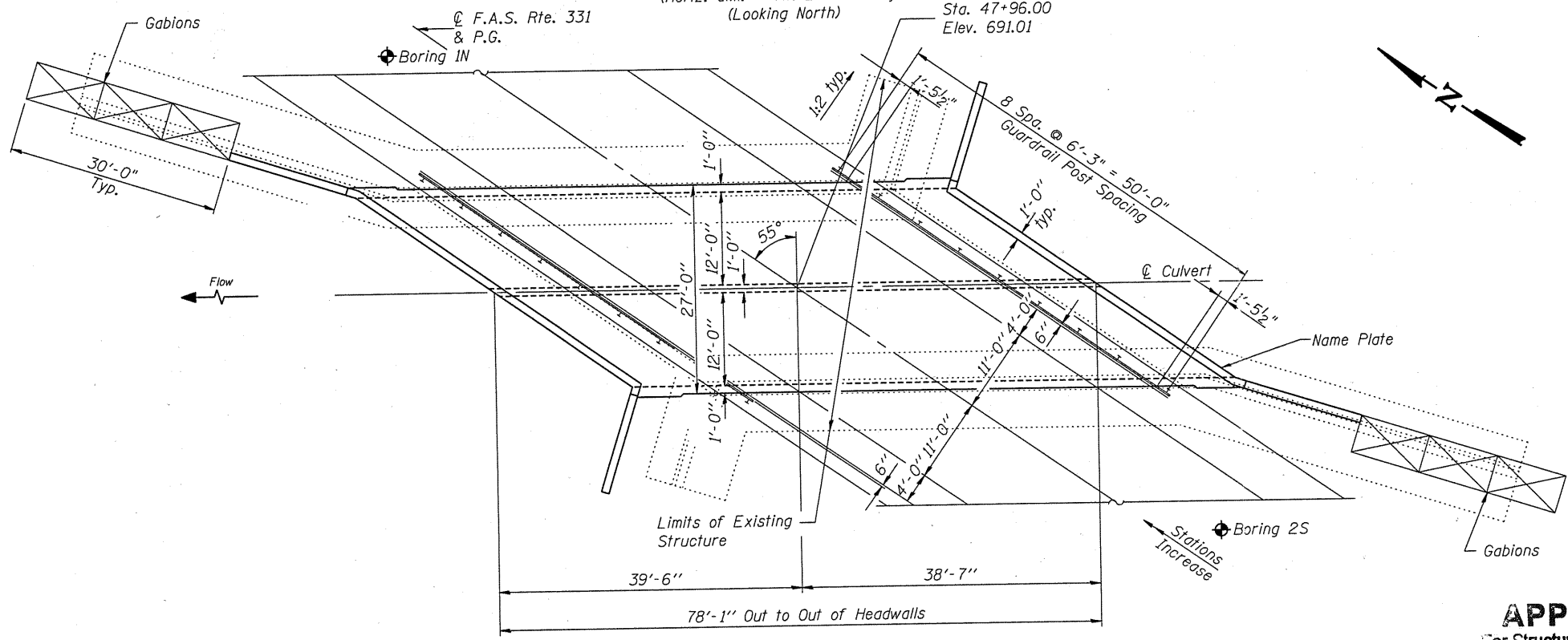
GENERAL NOTES

1. It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and cost shall be included with "Concrete Box Culvert".
2. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
3. At least seven feet of the culvert shall be poured monolithically with the reinforced concrete wingwalls.
4. Exposed edges shall have a 3/4" chamfer unless otherwise noted.
5. For backfilling and embankment, see Standard Specifications.
6. All construction joints shall be bonded.
7. Reinforcing bars shall conform to the requirements of ASTM A 706 Gr. 60. See Special Provision.
8. Precast Culvert alternate is not allowed.
9. Excavation behind existing abutment walls shall be done before removing the existing superstructure.
10. Remove existing structure entirely. Cost included with "Removal of Existing Structure."

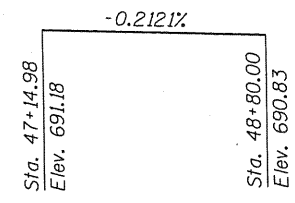


LONGITUDINAL SECTION

(Horiz. dim. @ Rt. L's to Rdwy.)
 (Looking North)



PLAN



PROFILE GRADE
 (along @ roadway)

WATERWAY INFORMATION

Drainage Area = 5.82 sq. mi. Low Grade Elev. 688.02 @ Sta. 57+71.61

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	10	720	170	247	685.8	0.2	0	686.0	685.8	
Base	50	1076	187	264	686.5	0.5	0.2	687.0	686.7	
Max. Calc.	100	1222	194	271	686.8	0.6	0.2	687.4	687.0	
Overtopping	500	1563	208	285	687.4	1.0	0.5	688.4	687.9	

APPROVED
 For Structural Adequacy Only

Replw E. Anderson (TJD)
 Engineer of Bridges & Structures



Sean Marzano
 Structural Engineer
 Clark Dietz, Inc.

LOADING HS20-44
 Allow 50#/sq. ft. for future wearing surface.

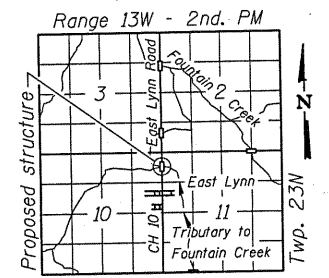
DESIGN SPECIFICATIONS
 2002 AASHTO

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

TOTAL BILL OF MATERIAL

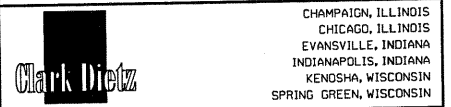
ITEM	UNIT	TOTAL
Removal of Existing Structure	Each	1
Concrete Box Culverts	Cu. Yd.	322.9
Reinforcement Bars	Pound	86,640
Name Plates	Each	1
Gabions	Cu. Yd.	188
Porous Granular Embankment	Cu. Yd.	1837
Filter Fabric	Sq. Yd.	120
Steel Plate Beam Guardrail, Attached to Structures	Ft.	100
Structure Excavation	Cu. Yd.	50



LOCATION SKETCH

GENERAL PLAN

CH 10 / EAST LYNN ROAD OVER
 TRIBUTARY TO FOUNTAIN CREEK
 F.A.S. ROUTE 331 - SECTION Z-BR
 VERMILION COUNTY
 STATION 47+96.00
 STRUCTURE NO. 092-2039



CHAMPAIGN, ILLINOIS
 CHICAGO, ILLINOIS
 EVANSVILLE, INDIANA
 INDIANAPOLIS, INDIANA
 KENOSHA, WISCONSIN
 SPRING GREEN, WISCONSIN

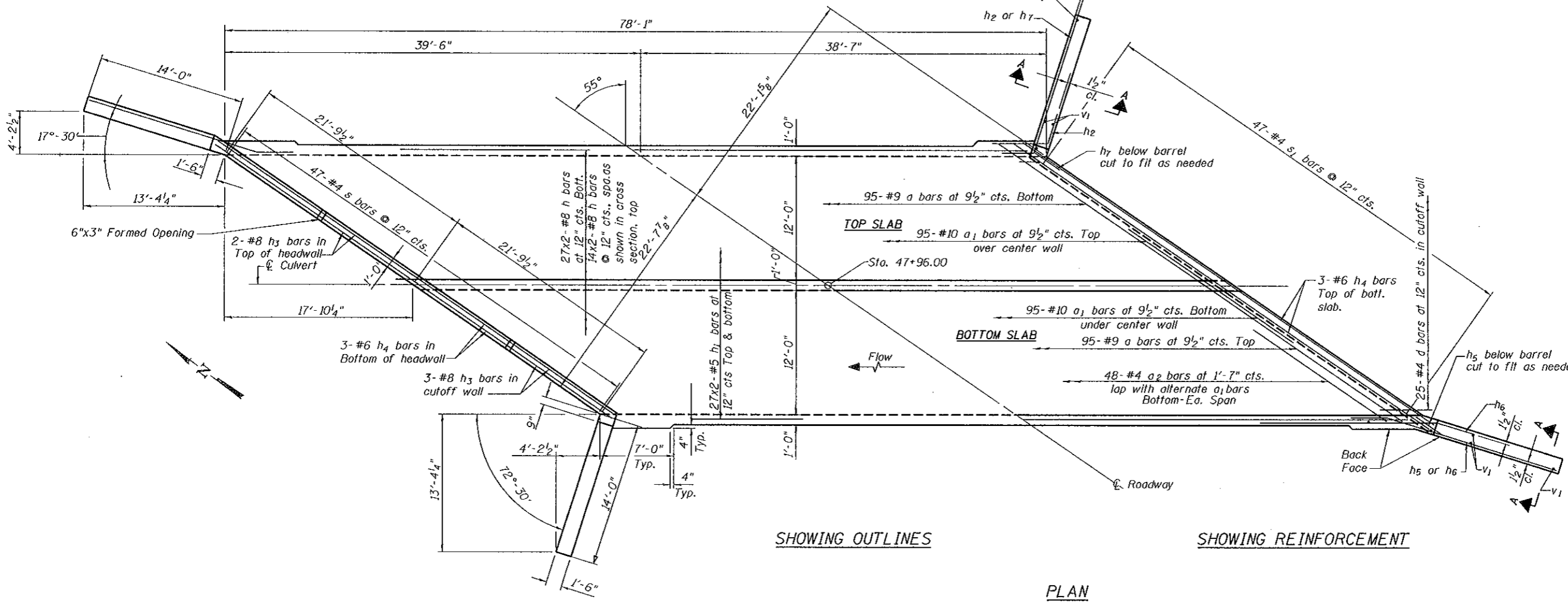
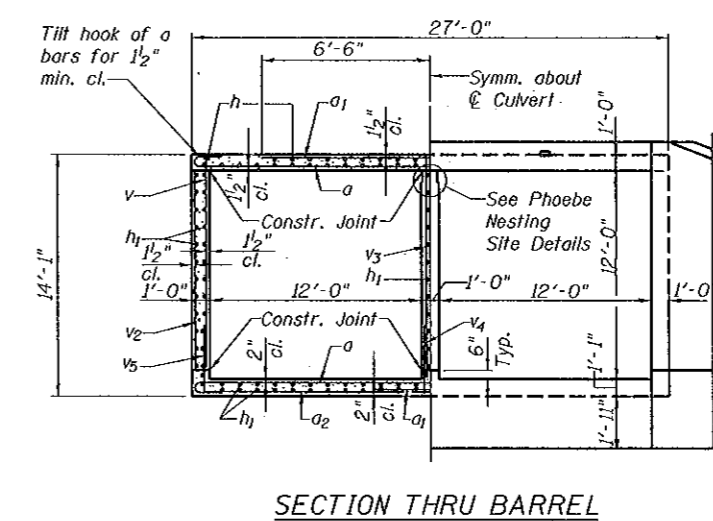
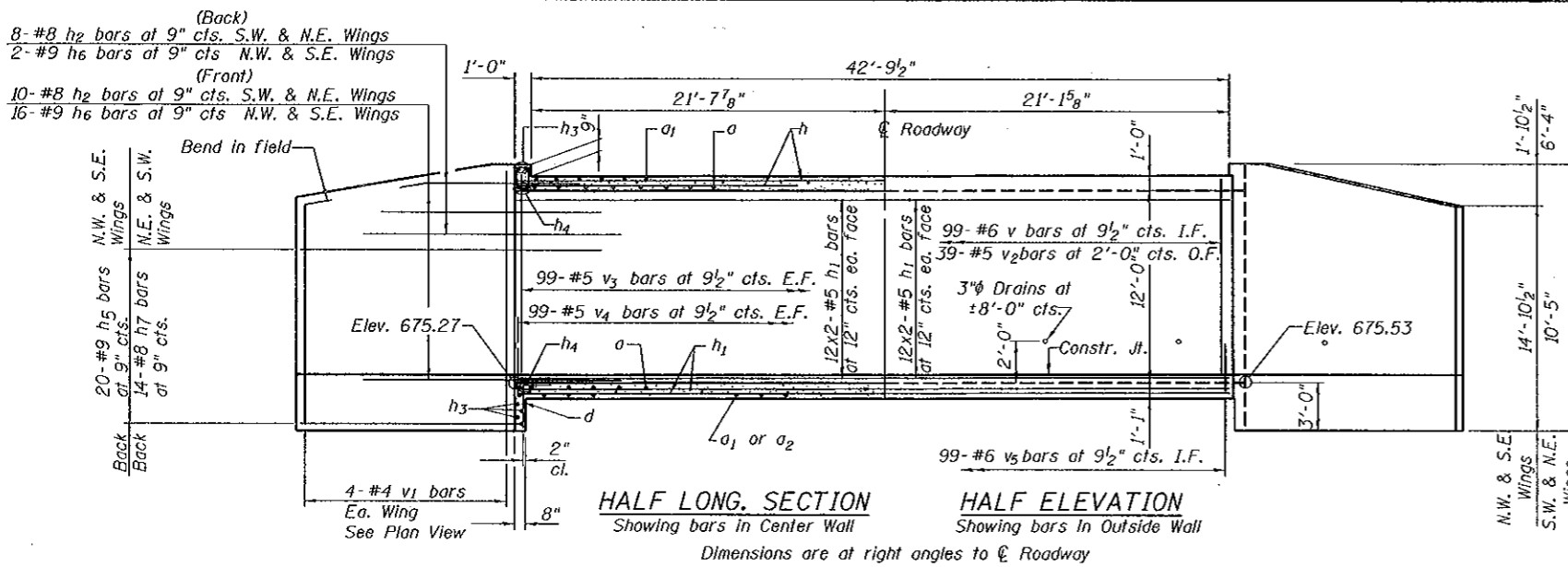
REVISIONS	
NAME	DATE

DESIGNED BY: S.M.M.	PROJECT NO: 182313
DRAWN BY: MEW	DATE: 8/05
CHECKED BY: M.M.	
APPROVED BY: S.M.M.	
ACTIVITY INITIALS	

DRAWING NUMBER
S-1

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.S. 331	Z-BR	Vermilion	49	20
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #70016



LEGEND
I.F. = Inside Face
O.F. = Outside Face
E.F. = Each Face

Min Bar Lap	
#5	2'-3"
#6	2'-0"
#8	4'-6"

REINFORCEMENT PLAN AND SECTIONS

CH 10 / EAST LYNN ROAD OVER TRIBUTARY TO FOUNTAIN CREEK
F.A.S. ROUTE 331 - SECTION Z-BR
VERMILION COUNTY
STATION 47+96.00
STRUCTURE NO. 092-2039

CHAMPAIGN, ILLINOIS
CHICAGO, ILLINOIS
EVANSVILLE, INDIANA
INDIANAPOLIS, INDIANA
KENOSHA, WISCONSIN
SPRING GREEN, WISCONSIN

DESIGNED BY: S.M.S.	PROJECT NO: 102313
DRAWN BY: M.E.W.	DATE: 8/05
CHECKED BY: M.M.	
APPROVED BY: XXX	
ACTIVITY: INITIALS	

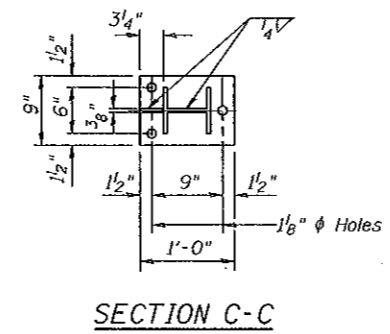
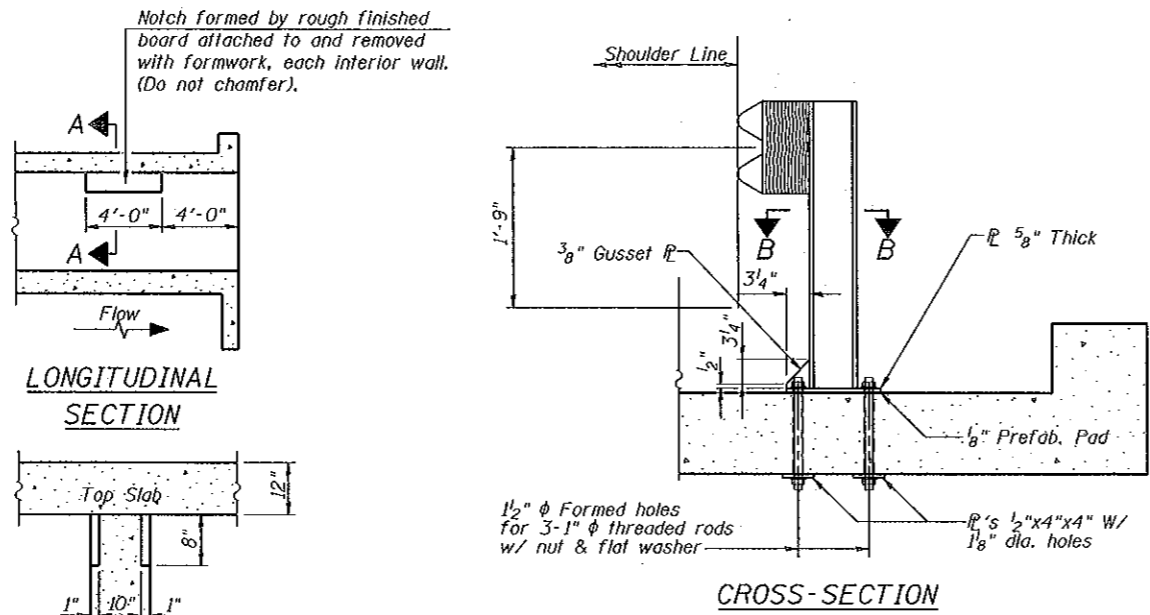
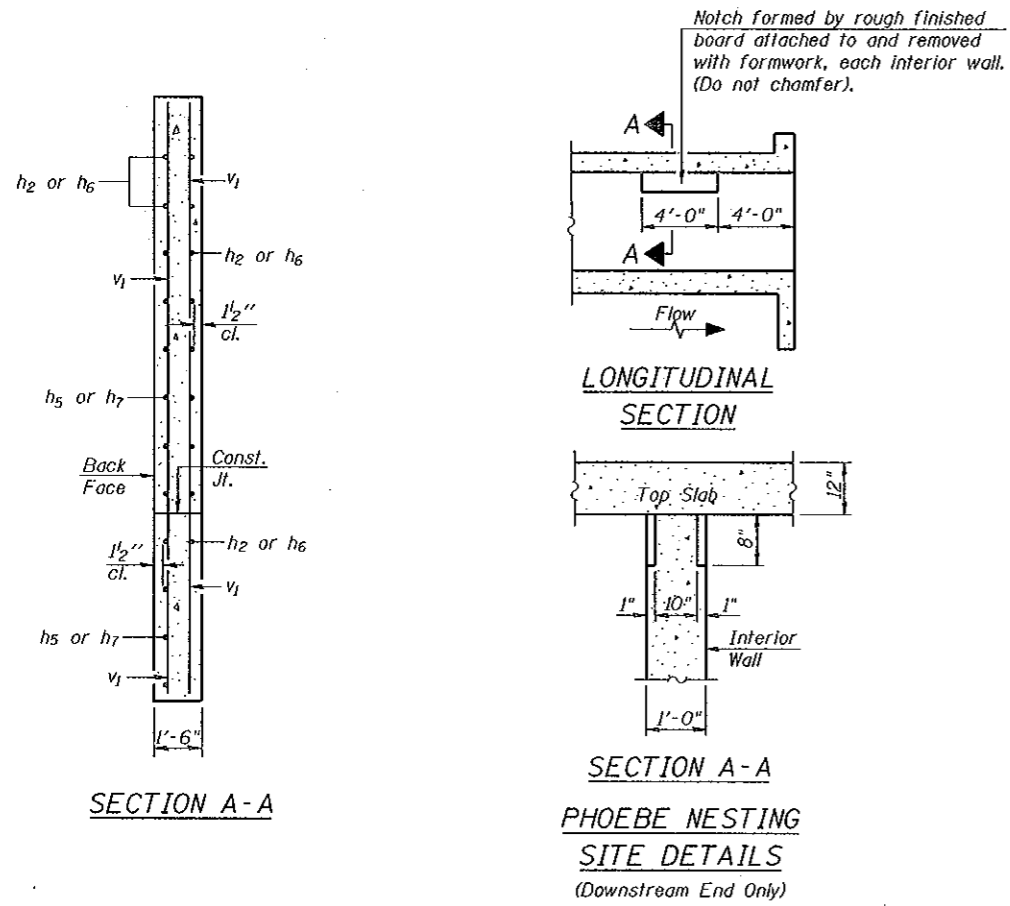
NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Reinforcement bars shall conform to the requirements of AASHTO M-31 or M322, Grade 60.
Bars indicated thus 12 x 4-#5 etc., indicates 12 lines of bars with 4 lengths per line.
All construction joints shall be bonded.

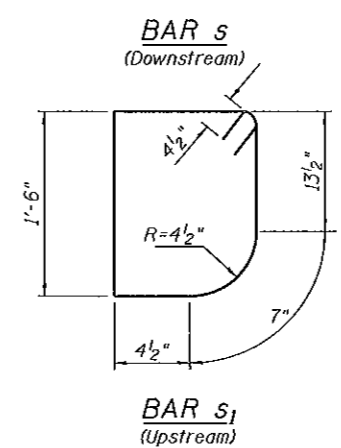
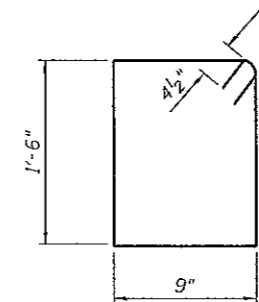
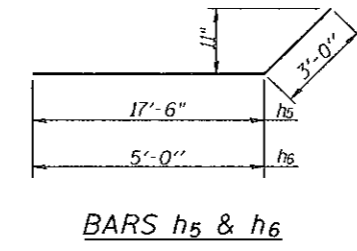
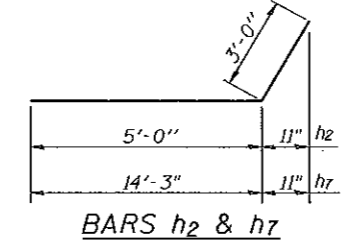
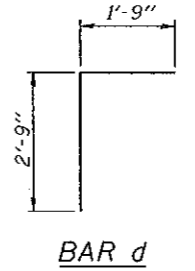
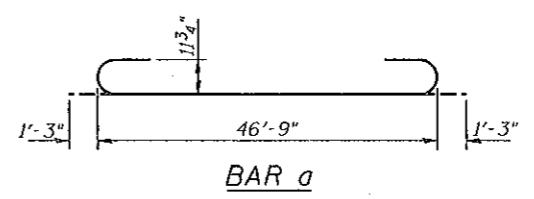
REVISIONS	
NAME	DATE

DRAWING NUMBER
S-2

Contract #70016

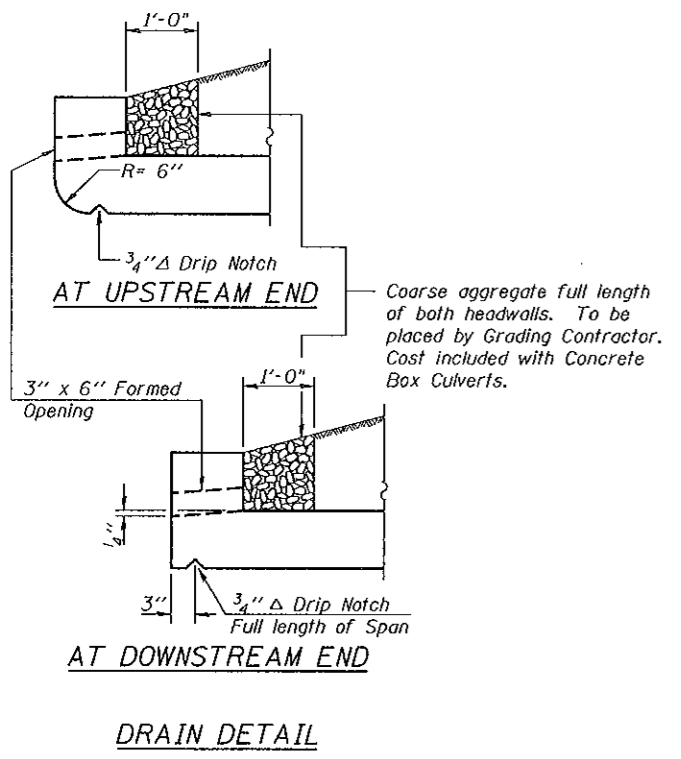


SECTION C-C
STEEL PLATE BEAM GUARDRAIL DETAILS
For details of guardrail elements not shown, see Standard 630001.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	190	#9	49'-3"	
a1	190	#10	22'-6"	
a2	96	#4	15'-6"	
d	50	#4	4'-6"	
h	82	#8	41'-2"	
h1	252	#5	40'-0"	
h2	36	#8	8'-0"	
h3	10	#8	46'-5"	
h4	12	#6	46'-5"	
h5	40	#9	20'-6"	
h6	36	#9	8'-0"	
h7	28	#8	17'-3"	
s	47	#4	5'-3"	
s1	47	#4	5'-1"	
v	198	#6	12'-4"	
v1	16	#4	16'-4"	
v2	78	#5	11'-4"	
v3	198	#5	12'-4"	
v4	198	#5	3'-8"	
v5	198	#6	3'-5"	
Concrete Box Culverts			Cu. Yd.	322.9
Reinforcement Bars			Pound	86,640



SECTIONS AND DETAILS
CH 10 / EAST LYNN ROAD OVER TRIBUTARY TO FOUNTAIN CREEK
F.A.S. ROUTE 331 - SECTION Z-BR
VERMILION COUNTY
STATION 47+96.00
STRUCTURE NO. 092-2039

CHAMPAIGN, ILLINOIS
CHICAGO, ILLINOIS
EVANSVILLE, INDIANA
INDIANAPOLIS, INDIANA
KENOSHA, WISCONSIN
SPRING GREEN, WISCONSIN

Clark Dietz

REVISIONS	NAME	DATE

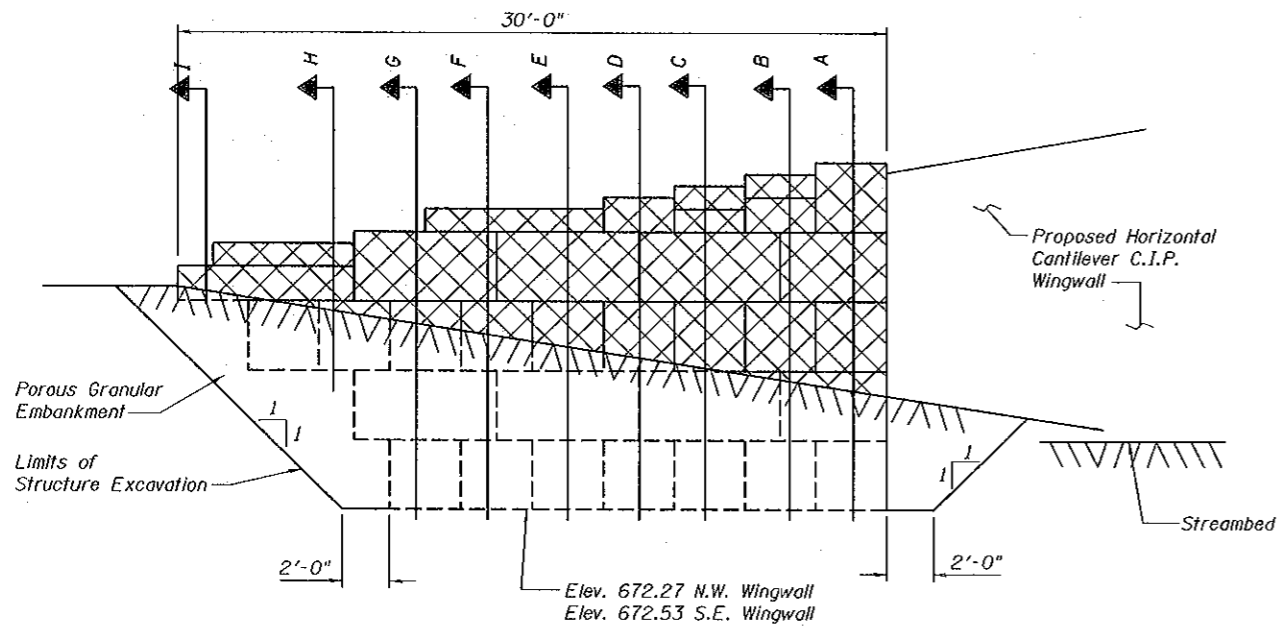
NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.
DESIGNED BY: S.M.M. PROJECT NO: 102313
DRAWN BY: M.E.W. DATE: 8/05
CHECKED BY: M.M.
APPROVED BY: XXX
ACTIVITY: DETAILS

DRAWING NUMBER

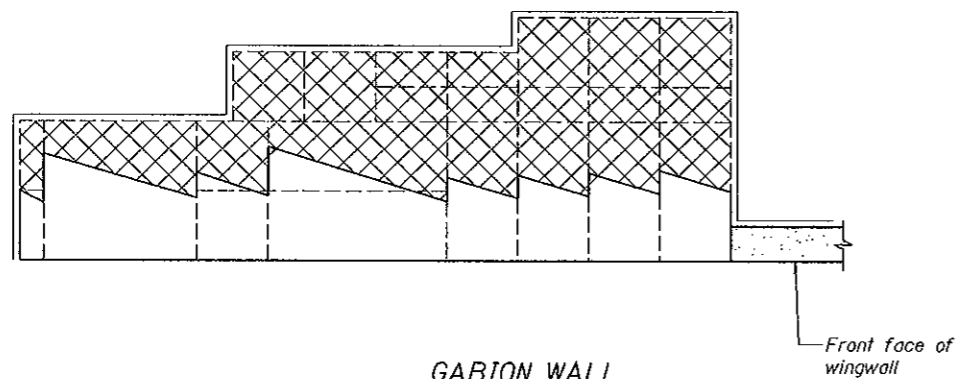
S-3

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET	SHEET NO.
F.A.S. 331	Z-BR	Vermilion	49	22	- SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #70016



**GABION WALL
ELEVATION AT
SOUTHEAST WING**
(Northwest Wing similar)



**GABION WALL
PLAN**
SOUTHEAST WING WALL
(Northwest Wing similar)

GABION PLAN & ELEVATION

CH 10 / EAST LYNN ROAD OVER
TRIBUTARY TO FOUNTAIN CREEK
F.A.S. ROUTE 331 - SECTION Z-BR
VERMILION COUNTY
STATION 47+96.00
STRUCTURE NO. 092-2039

CHAMPAIGN, ILLINOIS
CHICAGO, ILLINOIS
EVANSVILLE, INDIANA
INDIANAPOLIS, INDIANA
KENOSHA, WISCONSIN
SPRING GREEN, WISCONSIN



REVISIONS	
NAME	DATE

NOTED: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

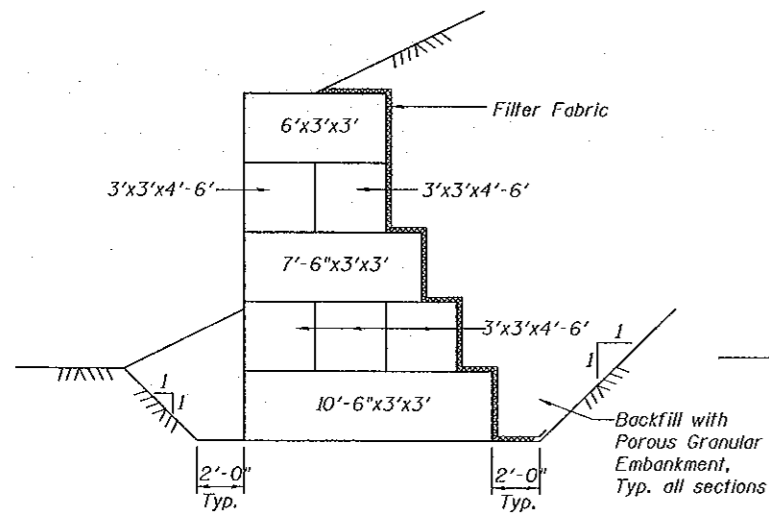
DESIGNED BY: S.M.M. PROJECT NO. 102313
 DRAWN BY: J.E.W. DATE: 8/05
 CHECKED BY: M.M.
 APPROVED BY: XXX
 ACTIVITY: INTERNS

DRAWING NUMBER
S-4

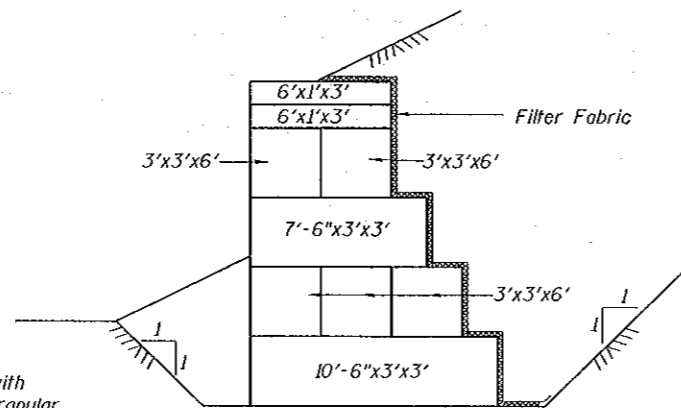
ROUTE NO. F.A.S. 331	SECTION Z-BR	COUNTY Vermilion	SHEET NO. 49	SHEET 23
FED. ROAD DIST. NO. 7		PLANES	FED. AID PROJECT	

SHEET NO.
SHEETS

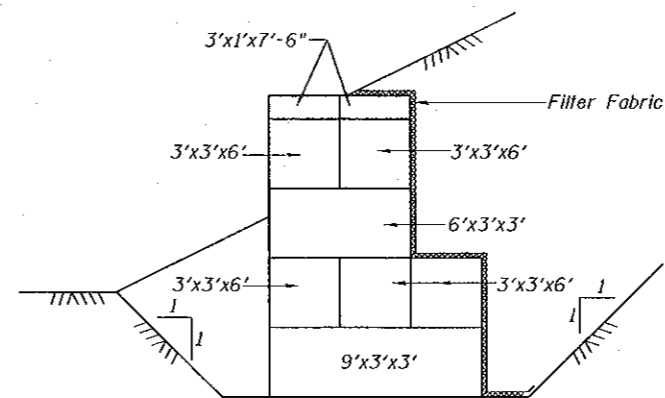
Contract #70016



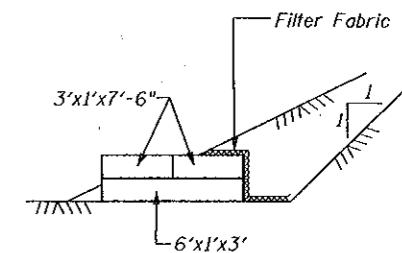
SECTION A



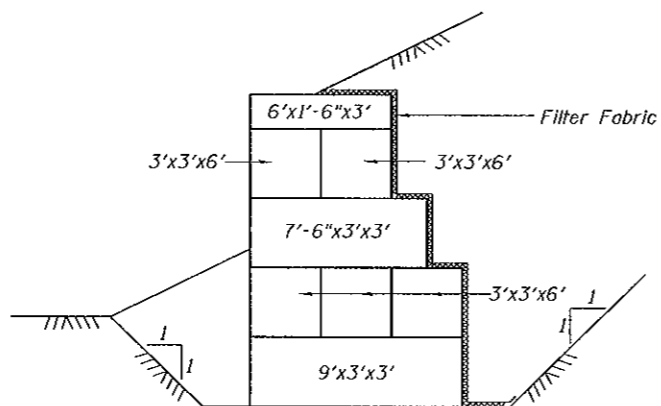
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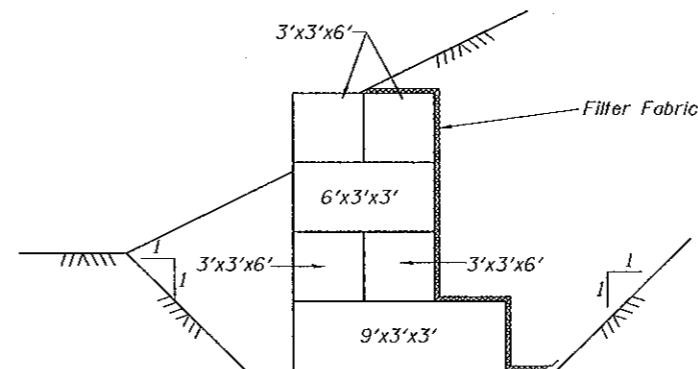
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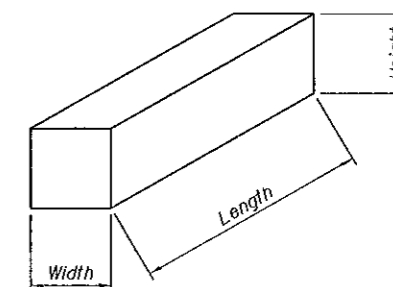
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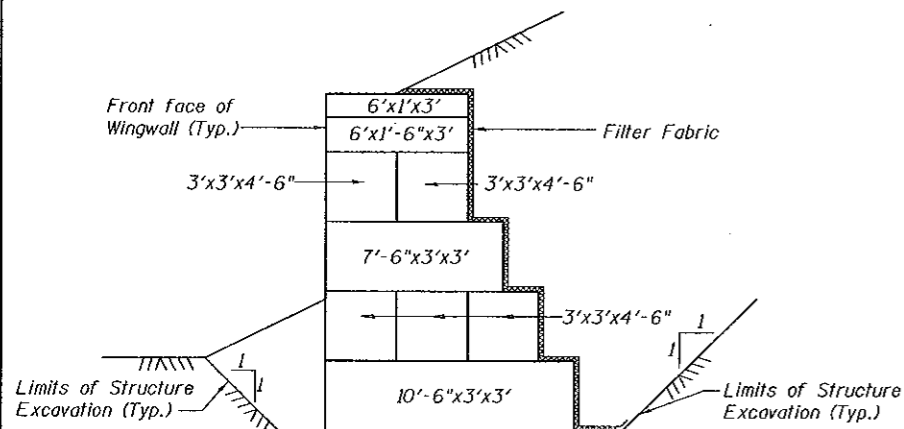
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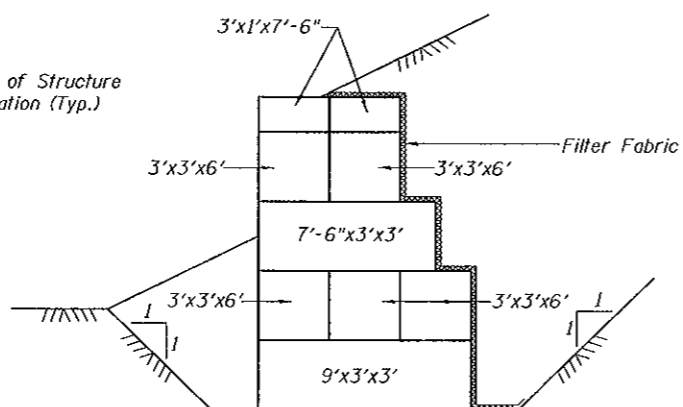
SECTION G



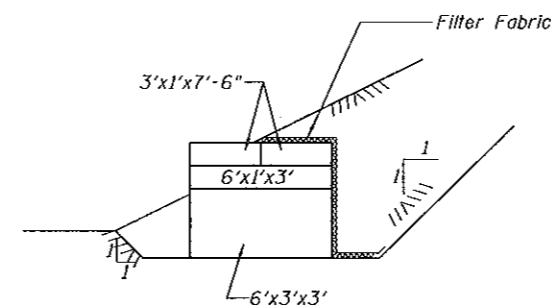
**Dimensions are
Width x Height x Length



SECTION B



SECTION E



SECTION H

GABION SECTIONS

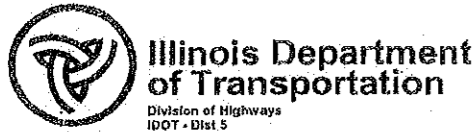
CH 10 / EAST LYNN ROAD OVER
TRIBUTARY TO FOUNTAIN CREEK
F.A.S. ROUTE 331 - SECTION Z-BR
VERMILION COUNTY
STATION 47+96.00
STRUCTURE NO. 092-2039

CHAMPAIGN, ILLINOIS
CHICAGO, ILLINOIS
EVANSVILLE, INDIANA
INDIANAPOLIS, INDIANA
KENOSHA, WISCONSIN
SPRING GREEN, WISCONSIN

REVISIONS		DRAWING NUMBER
NAME	DATE	
		S-5

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DESIGNED BY: S.M.M. PROJECT NO: 102313
 DRAWN BY: M.E.W. DATE: 8/05
 CHECKED BY: M.M.M.
 APPROVED BY: XXX
 ACTIVITY: DETAILS



SOIL BORING LOG

Date 1/10/03

ROUTE FAS 331 (CH10) DESCRIPTION Bridge on North Edge of East Lynn LOGGED BY CNA
 SECTION Z-BR LOCATION NE, SEC. 10, TWP. 23N, RNG. 13W, 2nd PM
 COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOW (1/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW (1/6")	UCS (tsf)	MOIST (%)	DESCRIPTION
092-0070 (Exist.)	47+95.97	2 S. Abut.	47+33	4.7 ft Rt.	690.90					Black/Gray Mottled Clay Loam (Embankment)					
					684.9					Gray Clay Loam Till (continued)					
						2									
						3	1.7	21							
						3	B								
					680.9					Black Mottled Clay Loam (Embankment)					
						1				Gray Clay Till to Clay Loam Till					
						2	2.2	29							
						3	B								
					678.9					Brown/Gray Mottled Clay Loam					
						2									
						3	4.1	17							
						5	B			Brown Clay Loam Till					
						2									
						3	4.1	17							
					675.9					Gray Clay Loam Till					
						4									
						6	6.5	13							
						7	B								
						3									
						6	4.7	14							
						7	B								
						2									
						4	1.5	28							
						5	B								

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Date 1/10/03

ROUTE FAS 331 (CH10) DESCRIPTION Bridge on North Edge of East Lynn LOGGED BY CNA
 SECTION Z-BR LOCATION NE, SEC. 10, TWP. 23N, RNG. 13W, 2nd PM
 COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOW (1/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW (1/6")	UCS (tsf)	MOIST (%)	DESCRIPTION
092-0070 (Exist.)	47+95.97	2 S. Abut.	47+33	4.7 ft Rt.	690.90					Black/Gray Mottled Clay Loam (Embankment)					
					647.9					Gray Clay Till to Clay Loam Till (continued)					
						3									
						5	3.8	15							
						5	B								
						3									
						4	4.1	18							
						6	B								
					644.9					Gray Silty Clay Loam Till					
						3									
						4	2.9	16							
						4	B								
					640.9					Gray Clay Loam Till					
						3									
						4	1.9	16							
						5	B								
					640.9					Brown Fine Sand					
						3									
						4	1.9	16							
						5	B								
					638.9					Gray Silt to Silty Clay					
						9									
						14	5.9	15							
						18	S								
					633.9					Gray Clay					
						4									
						7	3.7	21							
						10	B								
					630.9										

End of Boring
 An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.S. 331	Z-BR	Vermilion	49	24
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

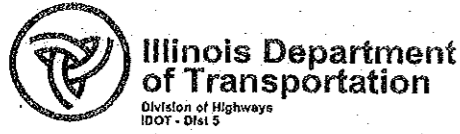
Contract #70016

SOIL BORINGS
 CH 10 / EAST LYNN ROAD OVER TRIBUTARY TO FOUNTAIN CREEK
 F.A.S. ROUTE 331 - SECTION Z-BR
 VERMILION COUNTY
 STATION 47+96.00
 STRUCTURE NO. 092-2039



CHAMPAIGN, ILLINOIS	CHICAGO, ILLINOIS	EVANSVILLE, INDIANA	INDIANAPOLIS, INDIANA	KENOSHA, WISCONSIN	SPRING GREEN, WISCONSIN
REVISIONS	NAME	DATE	DATE	DATE	DATE
DRAWN BY	S.M.M.	PROJECT NO.	102313		
CHECKED BY	MEV	DATE	8/05		
APPROVED BY	XXX				
ACTIVITY	BORING				

S-6



SOIL BORING LOG

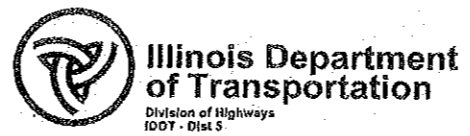
Page 1 of 2

Date 1/10/03

ROUTE FAS 331 (CH10) DESCRIPTION Bridge on North Edge of East Lynn LOGGED BY CNA
 SECTION Z-BR LOCATION NE, SEC. 10, TWP. 23N, RNG. 13W, 2nd PM
 COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	Offset	Ground Surface Elev.	DEP (ft)	BLOW (16")	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	DEP (ft)	BLOW (16")	UCS (tsf)	MOIST (%)	
092-0070 (Exist.)	47+95.97	1 N. Abut.	48+59	5.1 ft Lt.	690.80					677.00	676.70										
Black/Green Mottled Sandy Clay Loam (Embankment)																					
Brown/Gray Mottled Clay Loam to Loam																					
Brown Clay Loam Till																					
Gray Clay Loam Till																					
Brown Clay Loam Till with Silt Lenses																					

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
 The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 2 of 2

Date 1/10/03

ROUTE FAS 331 (CH10) DESCRIPTION Bridge on North Edge of East Lynn LOGGED BY CNA
 SECTION Z-BR LOCATION NE, SEC. 10, TWP. 23N, RNG. 13W, 2nd PM
 COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	Offset	Ground Surface Elev.	DEP (ft)	BLOW (16")	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	DEP (ft)	BLOW (16")	UCS (tsf)	MOIST (%)	
092-0070 (Exist.)	47+95.97	1 N. Abut.	48+59	5.1 ft Lt.	690.80					677.00	676.70										
Brown Clay Loam Till with Silt Lenses (continued)																					
Gray Clay Loam Till to Silty Clay Loam Till																					
End of Boring																					

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
 The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

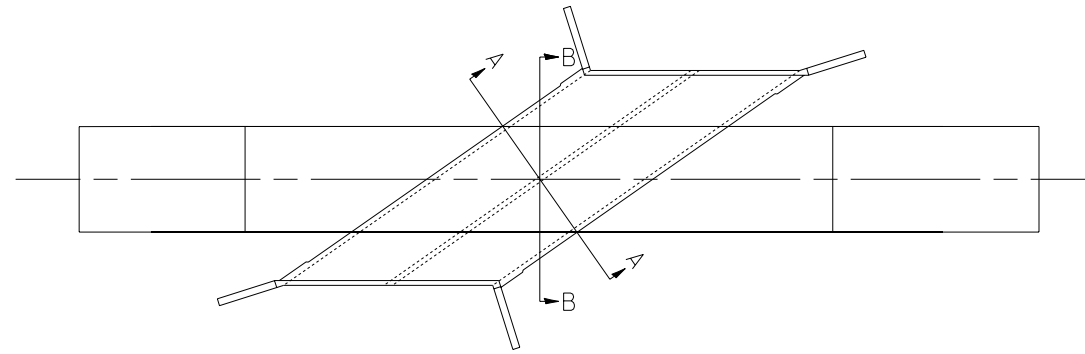
SOIL BORINGS

CH 10 / EAST LYNN ROAD OVER
 TRIBUTARY TO FOUNTAIN CREEK
 F.A.S. ROUTE 331 - SECTION Z-BR
 VERMILION COUNTY
 STATION 47+96.00
 STRUCTURE NO. 092-2039

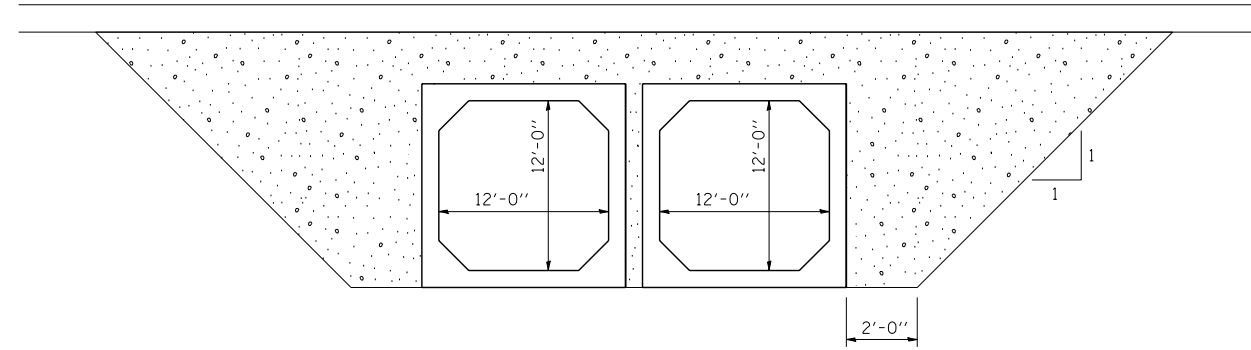
CHAMPAIGN, ILLINOIS
 CHICAGO, ILLINOIS
 EVANSVILLE, INDIANA
 INDIANAPOLIS, INDIANA
 KENOSHA, WISCONSIN
 SPRING GREEN, WISCONSIN

REVISIONS		DRAWING NUMBER
NAME	DATE	
		S-7

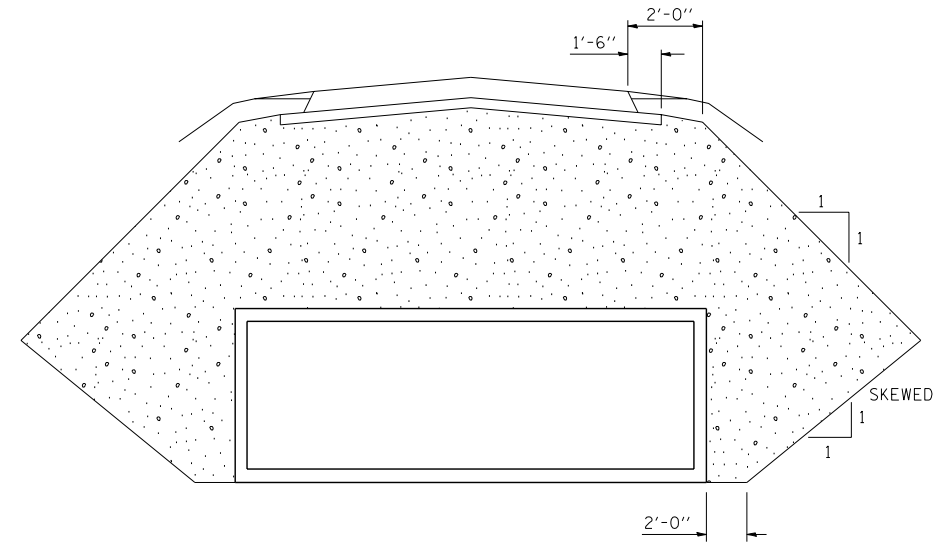
DETAIL OF POROUS GRANULAR EMBANKMENT PAY LIMITS



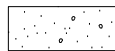
PLAN VIEW



SECTION A-A



SECTION B-B



PAY LIMITS OF POROUS GRANULAR EMBANKMENT

FILE NAME =	USER NAME = blockrt	DESIGNED - RTB	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/18/2010	DATE - 07/2008	REVISED -

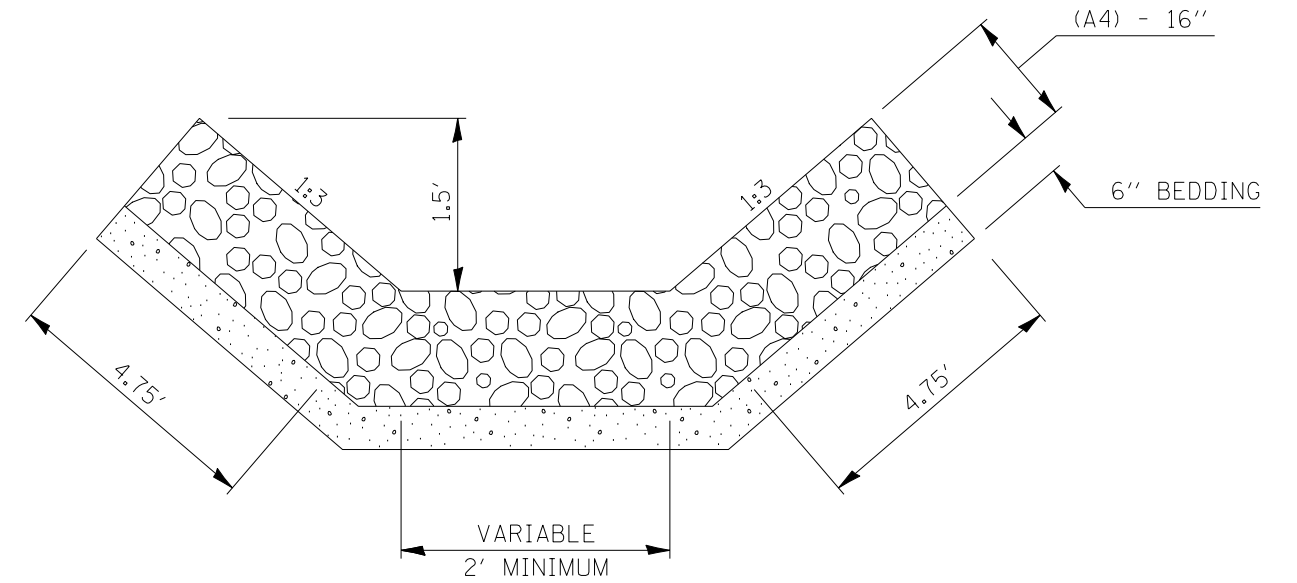
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF POROUS GRANULAR EMBANKMENT PAY LIMITS

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

RIPRAP DETAILS, TYPICAL



FILE NAME =	USER NAME = blockrt	DESIGNED - RTB	REVISED -
ct:\pw\work\p\idot\blockrt\d0128383\p8p20.dgn		DRAWN - JRP	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/18/2010	DATE - 07/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIPRAP DETAILS, TYPICAL

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

AS-BUILT PLANS - FOR INFORMATION ONLY

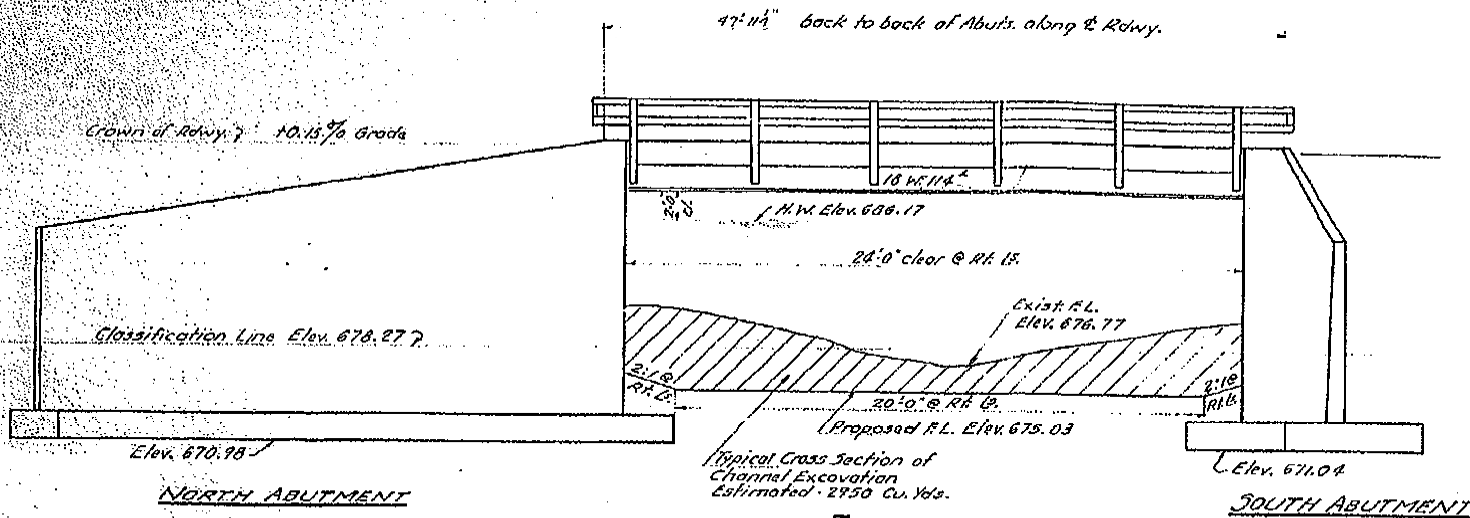
DETAIL OF EXISTING BRIDGE STRUCTURE

SHEET NO. 4
13 SHEETS

THRU STEEL TRUSS 21.0' P.P. OF ABUT. @ RT. 15
16' ROWY BRIDGE TO BE REMOVED BY
BRIDGE CONTRACTOR

STATION 2+04.35
DAILY 195
11:30 AM T. B.
K. A. DAVIS, S. 00(2)
LOADING H20

RING FOR NAME PLATE
See Standard 1883

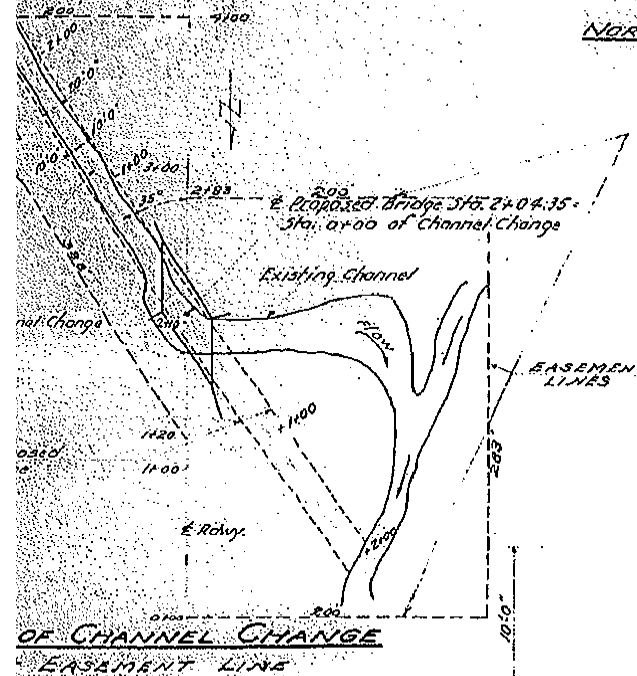


ELEVATION
Scale: 1" = 6'-0"

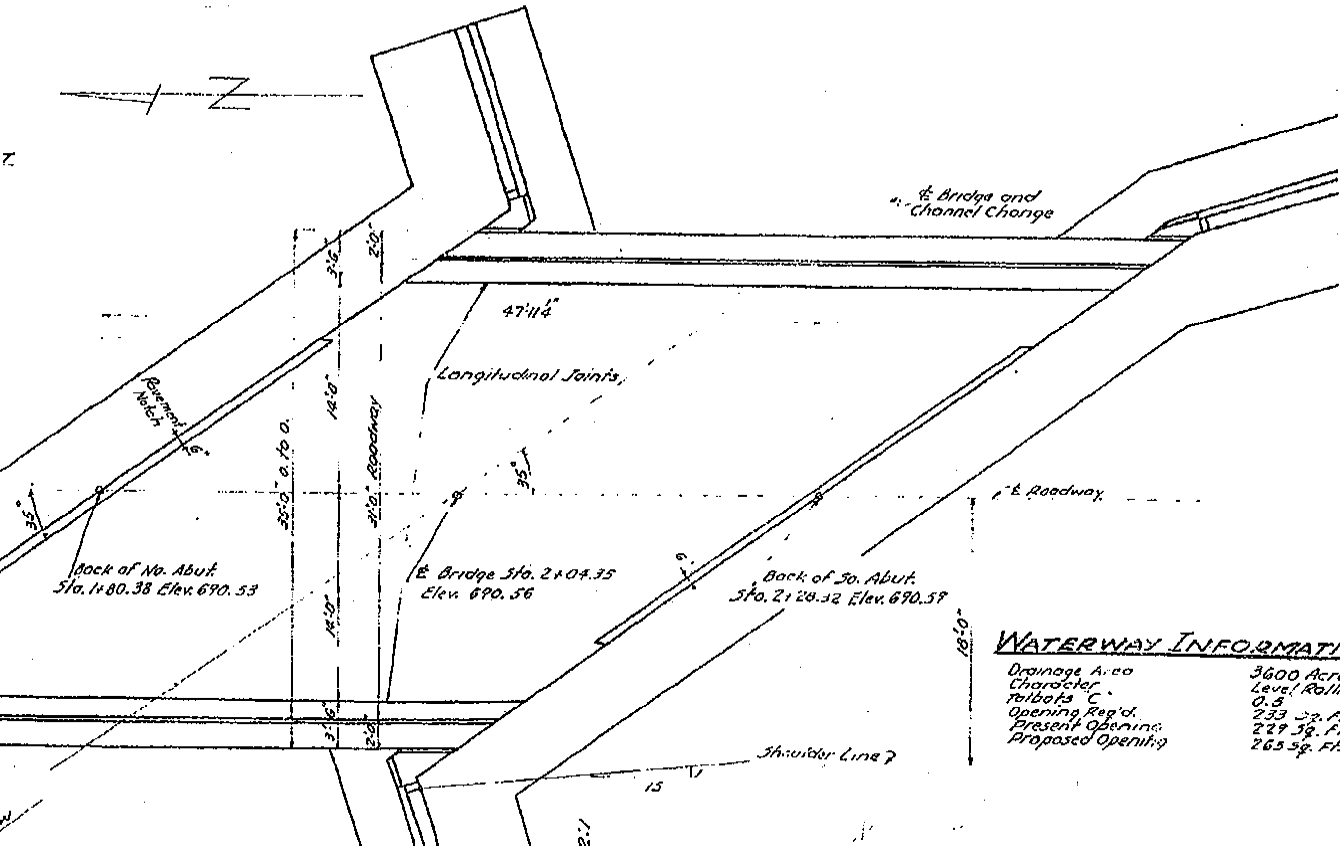
GENERAL NOTES

Class-X Concrete shall be used throughout.
The concrete floor slab shall be poured in one continuous operation between or outside the longitudinal banding construction joints.

The concrete floor shall be finished in accordance with Art. 51.18 of the Standard Specifications.
All rivets shall be 1/2" with 16 holes except as noted. Field connections, rivets or nuts shall be with Anco lock nuts or equal, as noted.
Horizontal rail members shall be adjusted to true alignment after curbs have been poured and false work removed.
All bearing plates, rod 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 of Structural Steel.
All Structural Steel shall receive one shop coat of red lead paint after inspection by the Illinois Division of Highways. All Structural Steel shall receive two field coats of aluminum paint.
Water proof back of curtain walls, abutments, and wings to top of footings according to Art. 51.20 of the Standard Specifications.
Channel change shall be done by the Bridge Contractor and shall be carried to the limits as shown on the plans unless otherwise directed by the Engineer.
Estimated Channel Excavation: 3283 Cu. Yds.; 3683 Cu. Yds. shall be used to fill existing channel and 206 Cu. Yds. shall be used in Roadway Embankment.



OF CHANNEL CHANGE
EASEMENT LINES



WATERWAY INFORMATION

Drainage Area: 3600 Acres
Character: Level Rolling, cultivated
Rebids: 0.5
Opening Req'd: 229 Sq. Ft.
Present Opening: 229 Sq. Ft.
Proposed Opening: 265 Sq. Ft.

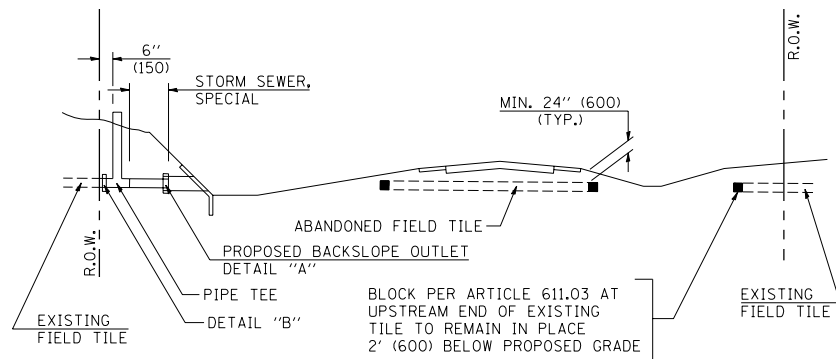
Boring No. 1 16' N. & 25' E. of Center of Existing Bridge	Boring No. 2 18' N. & 21' E. of Center of Existing Bridge	Boring No. 3 14' S. & 21' W. of Center of Existing Bridge	Boring No. 4 20' S. & 20' E. of Center of Existing Bridge
688.0 Elev. of Ground	688.5 Elev. of Ground	688.0 Elev. of Ground	688.5 Elev. of Ground
Black Silty Clay Top Soil Firm	Black Silty Clay Top Soil Firm	Black Silty Clay Top Soil Firm	Black Silty Clay Top Soil Firm
682.5	680.5	678.5	676.5
Yellow Gray mottled Silty Clay Firm Calc.	Yellow Gray mottled Silty Clay Firm Calc.	Yellow Gray mottled Silty Clay Firm Calc.	Yellow Gray mottled Silty Clay Firm Calc.
Deep Elev. 672.5	675.5	675.5	675.5
671.5	672.5	672.5	672.5
Gray Silty Clay Hard Calc.	Gray Silty Clay Hard Calc.	Gray Silty Clay Hard Calc.	Gray Silty Clay Hard Calc.
680.5	678.5	678.5	678.5
Gray Silty Clay Hard Calc.	Gray Silty Clay Hard Calc.	Gray Silty Clay Hard Calc.	Gray Silty Clay Hard Calc.
659.5	659.5	659.5	659.5

Note: This hole was dry all the way down.

BORING DATA
Borings are given only as guide to bidders in estimating soil conditions that may be encountered in the field.

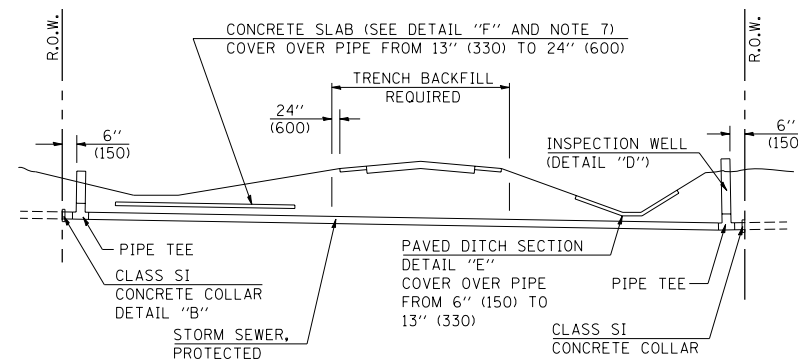
BILL OF MATERIAL

ITEM	Suppl.	Reqd.	Wyn.
Class-X Concrete	Cu. Yds.	54.4	367.0
Reinforcement Bars	Lbs.	10510	24000
Structural Steel	Lbs.	54960	52950
Name Plates	Each	7	7
Class-A Excav. for Structures	Cu. Yds.	170	170
Class-B Excav. for Structures	Cu. Yds.	800	800
Channel Excavation	Cu. Yds.	3283	3283
Removal of Existing Structure	Each	1	1



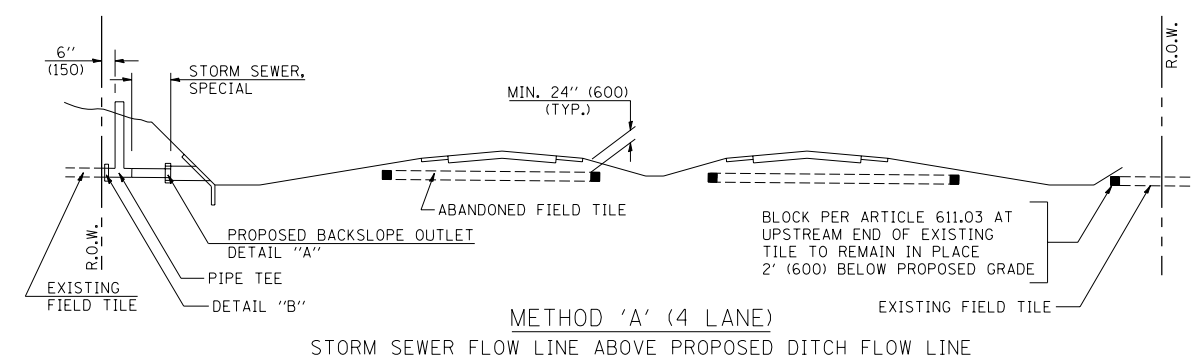
METHOD 'A' (2 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



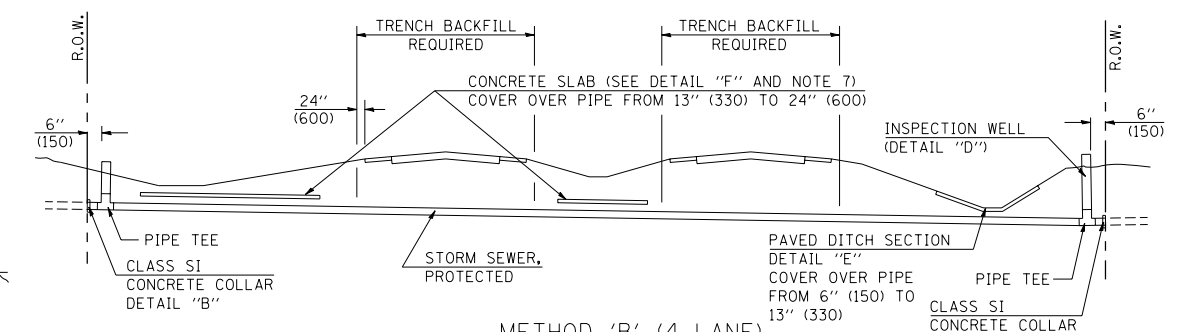
METHOD 'B' (2 LANE)

STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH



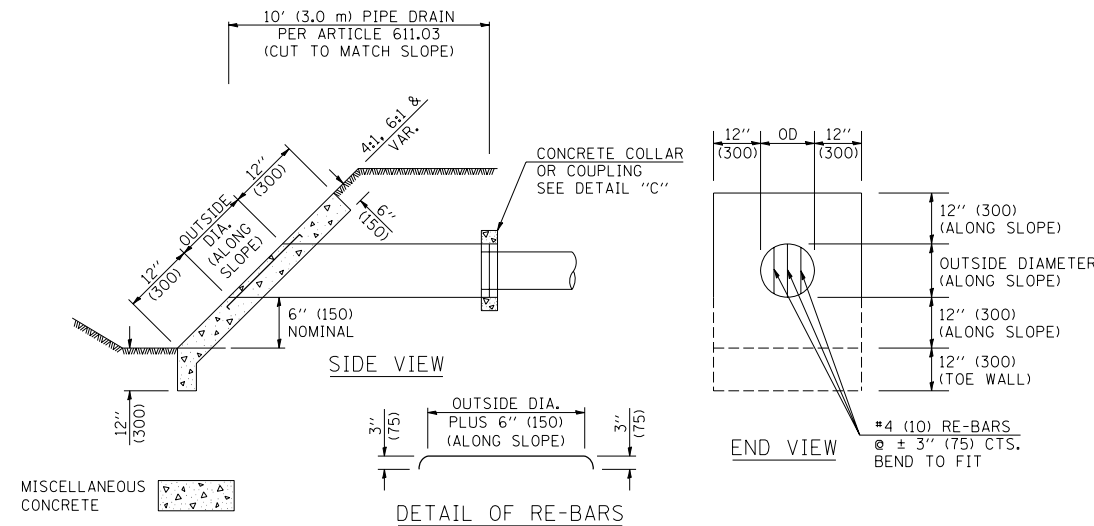
METHOD 'A' (4 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

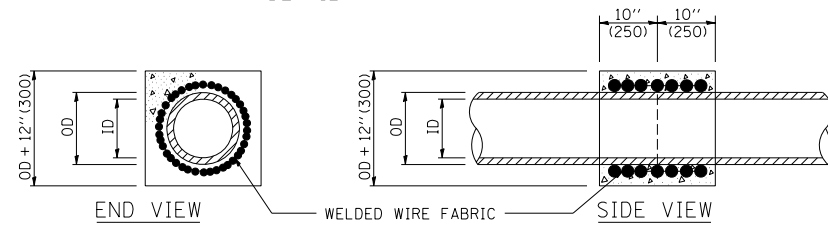


METHOD 'B' (4 LANE)

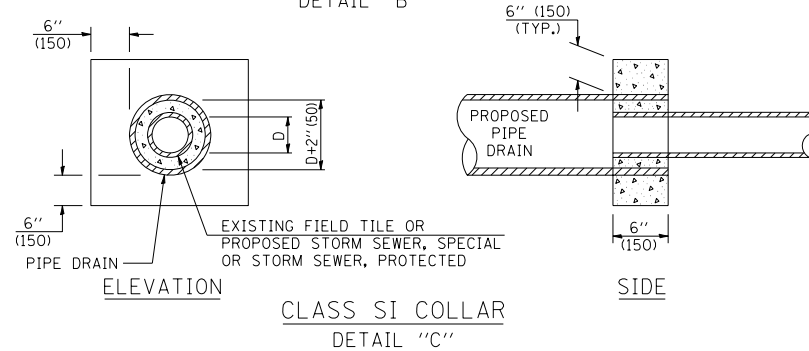
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"



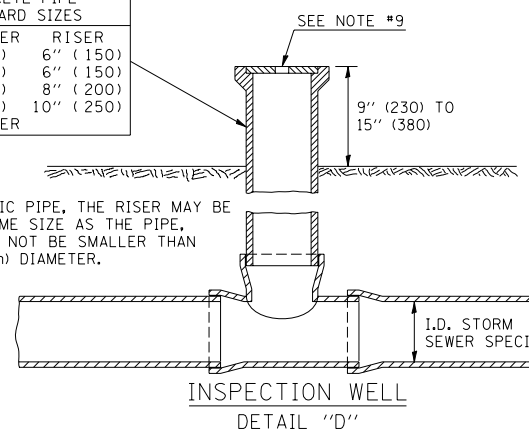
CONCRETE COLLAR
DETAIL "B"



CLASS SI COLLAR
DETAIL "C"

CONCRETE PIPE STANDARD SIZES	
STORM SEWER	RISER
6" (150)	6" (150)
8" (200)	6" (150)
10" (250)	8" (200)
12" (300)	10" (250)
OR GREATER	

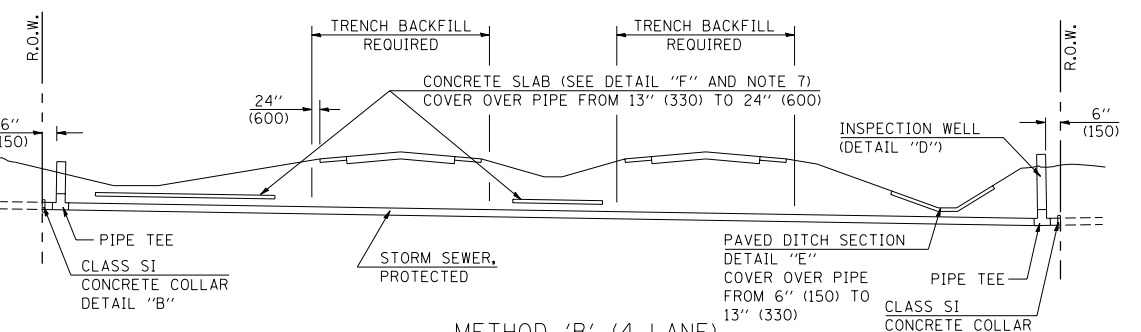
FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



INSPECTION WELL
DETAIL "D"

GENERAL NOTES

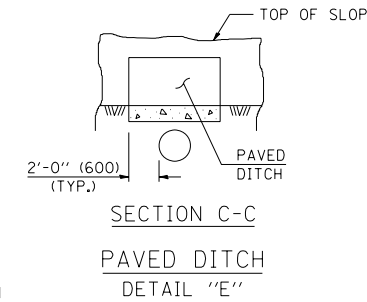
- EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
- ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
- INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" (150 mm) INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
- EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH FLOWABLE GROUT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWER, SPECIAL OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE MINIMUM DEPTH OF COVER.
- THE 6" (150 mm) CONCRETE SLAB OR DITCH LINING SHALL BE POURED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2' (600 mm) OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
- ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
- HEADWALL FOR BACKSLOPE OUTLET MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 10" (250 mm). SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
- THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" (10 mm) CAST IRON AND PROVIDED WITH A 1" (25 mm) DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.



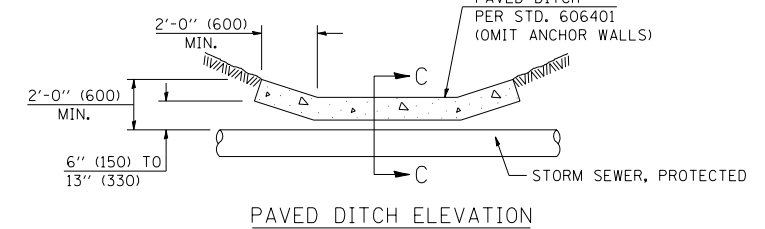
SLAB ELEVATION

CONCRETE SLAB
DETAIL "F"

SECTION B-B



SECTION C-C
PAVED DITCH
DETAIL "E"



PAVED DITCH ELEVATION

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

DISTRICT 5 DETAIL NO. 61101011A

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	PLOT DATE = 8/18/2010	DATE -	REVISED -

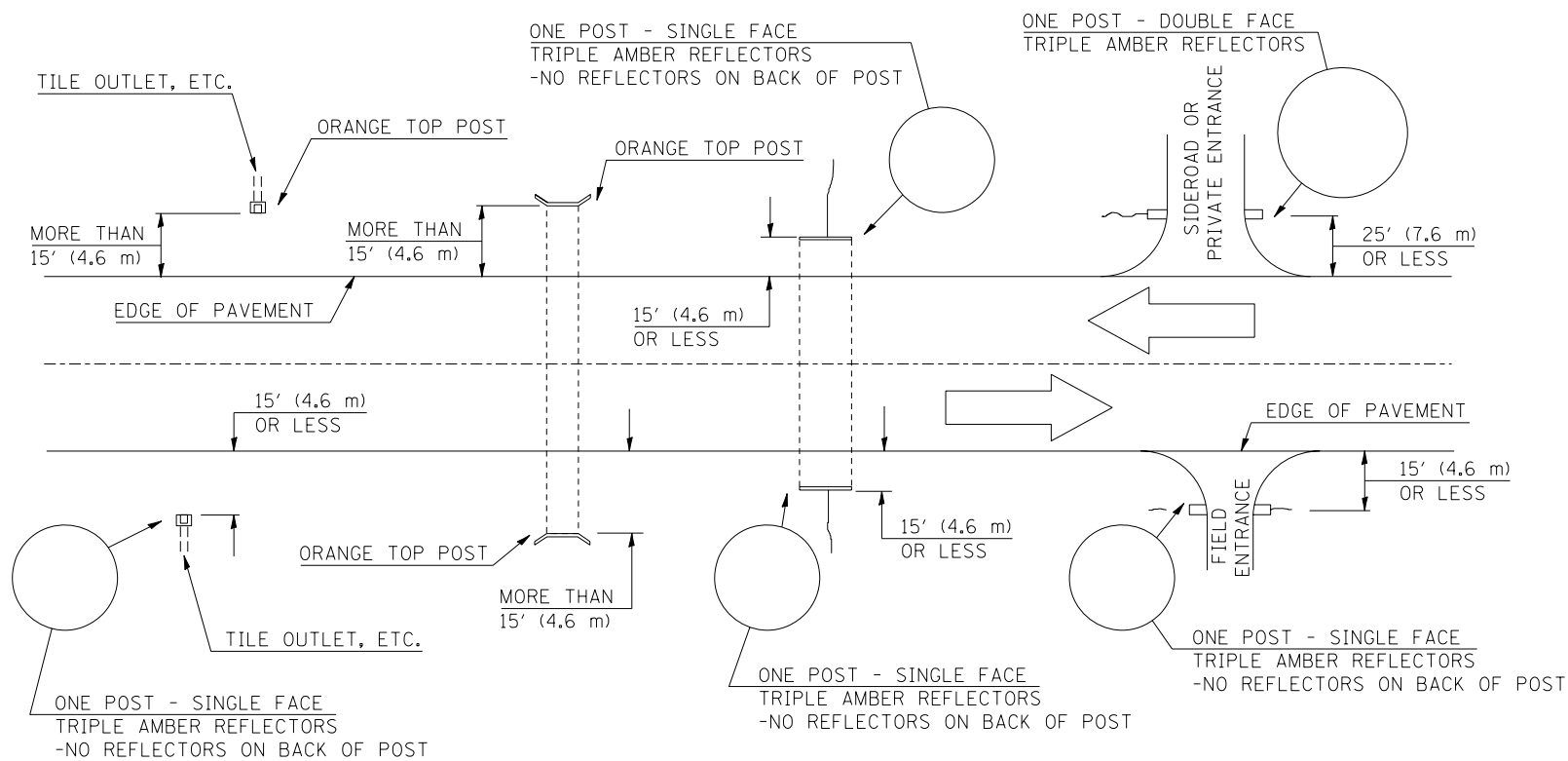
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD TILE SYSTEMS (TREATMENT OF EXISTING)

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	29
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 70016	

IDENTIFICATION OF ROADSIDE HAZARDS FOR TWO-LANE ROADWAYS



BILL OF MATERIALS

DELINEATOR TYPE	SINGLE FACE	DOUBLE FACE	NO REFLECTOR	TOTAL DELINEATORS
SINGLE CRYSTAL		N/A	N/A	
DOUBLE CRYSTAL			N/A	
SINGLE AMBER			N/A	
DOUBLE AMBER		N/A	N/A	
TRIPLE AMBER			N/A	
ORANGE TOP	N/A	N/A		
			TOTAL	

NOTES

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE THERE IS NO GUARDRAIL, OR OTHER PERMANENT BARRIER, ON THE SAME SIDE OF ROAD AS THE HAZARD.

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE DELINEATORS ARE NOT IN PLACE ALONG THE EDGE OF SHOULDER.

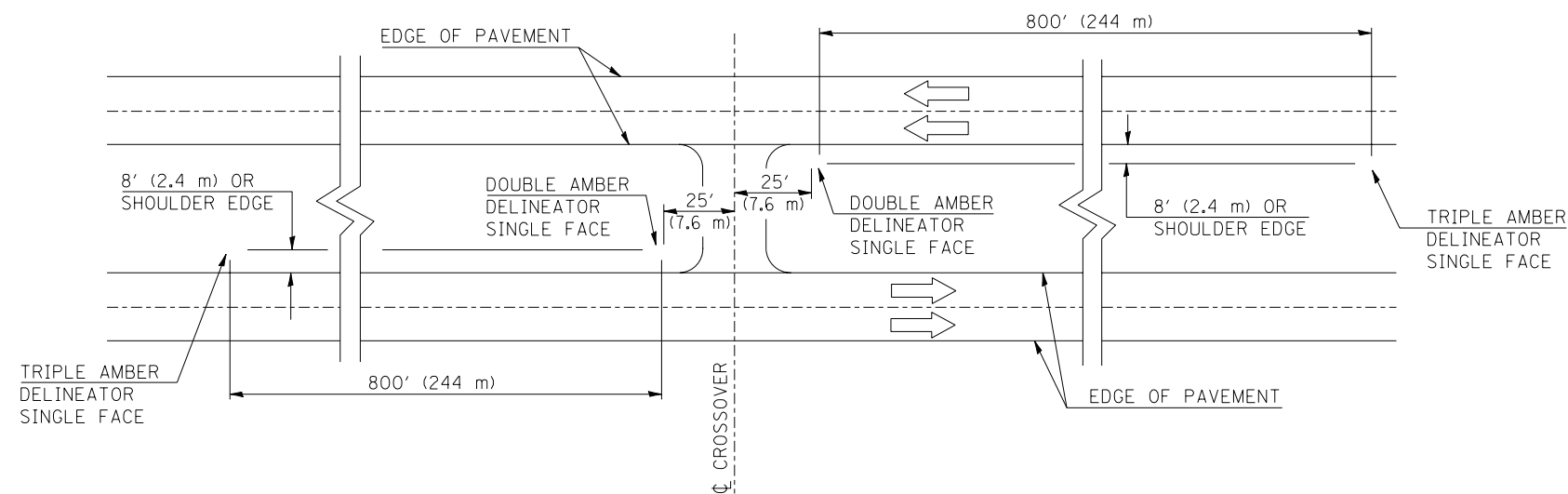
EACH POST SHALL BE CONSIDERED AS ONE DELINEATOR FOR PAYMENT, REGARDLESS OF THE NUMBER OF DELINEATORS ATTACHED TO IT.

POSTS INDICATED AS "ORANGE TOP" SHALL HAVE NO REFLECTORS. THEY SHALL HAVE THE TOP 12" (300 mm) (MINIMUM) OF THE POST PAINTED A BRIGHT ORANGE COLOR SIMILAR TO CONSTRUCTION SIGNS, AND SHALL MEET THE APPROVAL OF THE ENGINEER. FLUORESCENT PAINT OR OTHER SPECIAL RETROREFLECTIVE COATINGS WILL NOT BE REQUIRED.

FOR ONE-WAY ROADWAYS THE APPLICATION SHALL BE SIMILAR WITH DELINEATORS PLACED ON THE TRAFFIC APPROACH SIDE OF HAZARDS AND OBJECTS. ONLY SINGLE FACE DELINEATORS WILL BE REQUIRED ON ONE-WAY ROADWAYS.

FOR OTHER DELINEATOR APPLICATIONS, REFER TO HIGHWAY STANDARD 635001.

MEDIAN DELINEATORS AT CROSSOVER
(FOR INTERSTATES, EXPRESSWAYS, DUAL HIGHWAYS)



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

DESIGNER NOTE: SEE PPM 70-07

DISTRICT 5 DETAIL NO. 63500105

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	PLOT DATE = 8/18/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

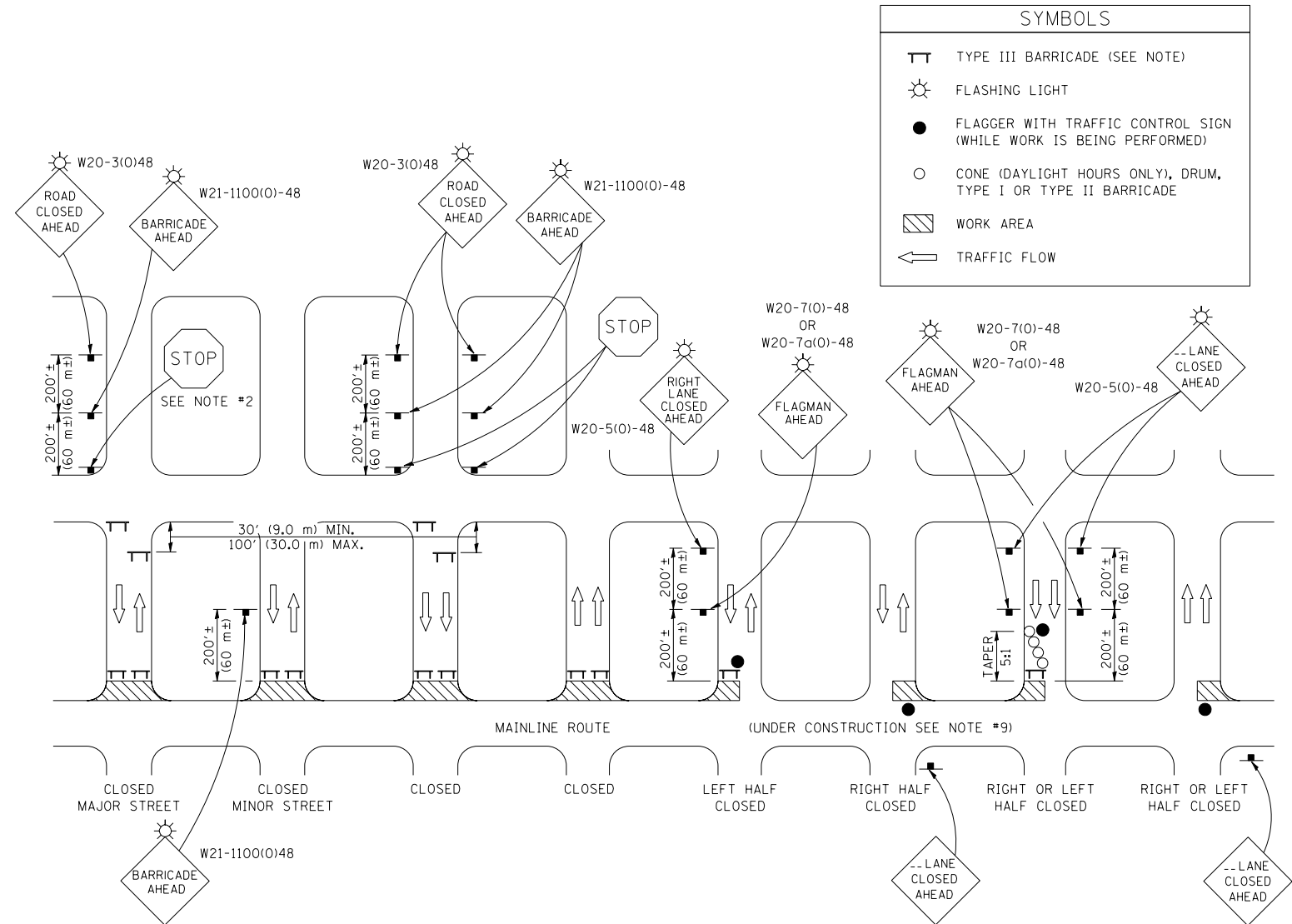
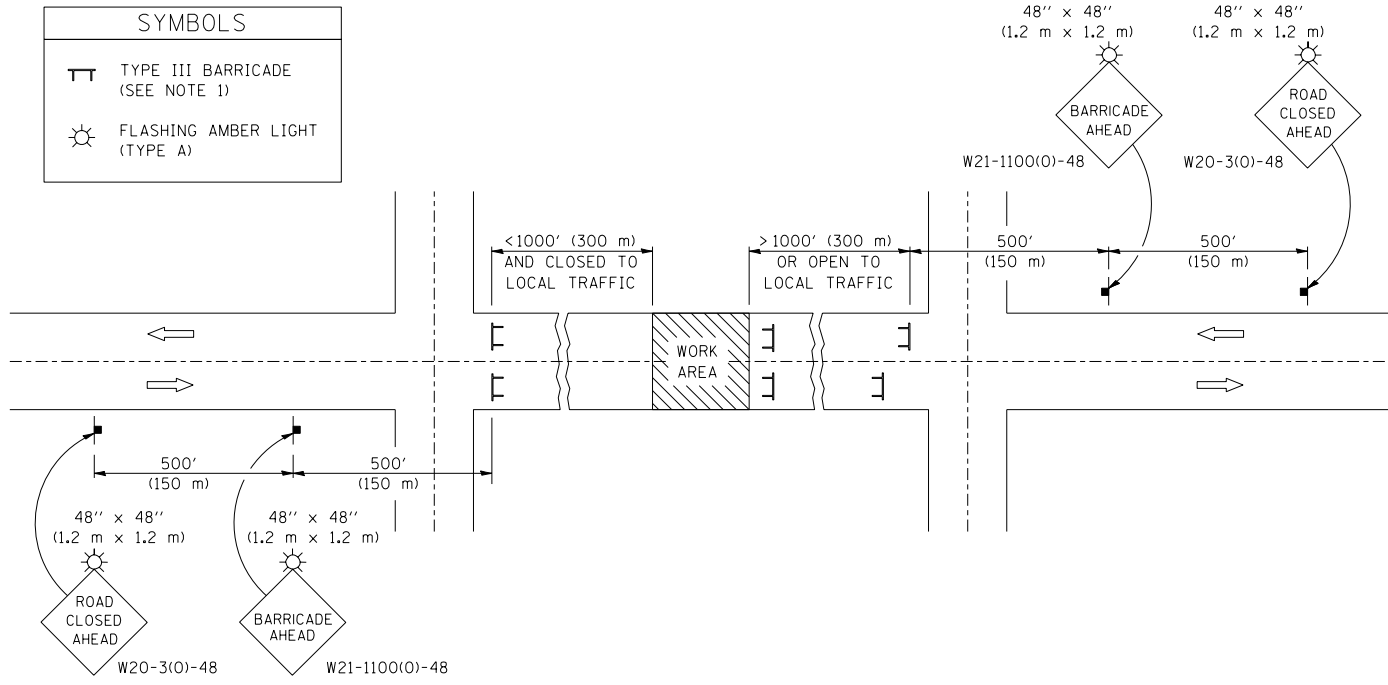
DELINEATORS

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	30
				CONTRACT NO. 70016
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ROAD CLOSURE

SIDEROAD / STREET CLOSURE



GENERAL NOTES

- 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.
- 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.
- 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.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- 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.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- 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.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- 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.
- 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.

GENERAL NOTES

- 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.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 702001 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS INVOLVING THE RECONSTRUCTION OF ALL APPLICABLE SIDE STREETS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

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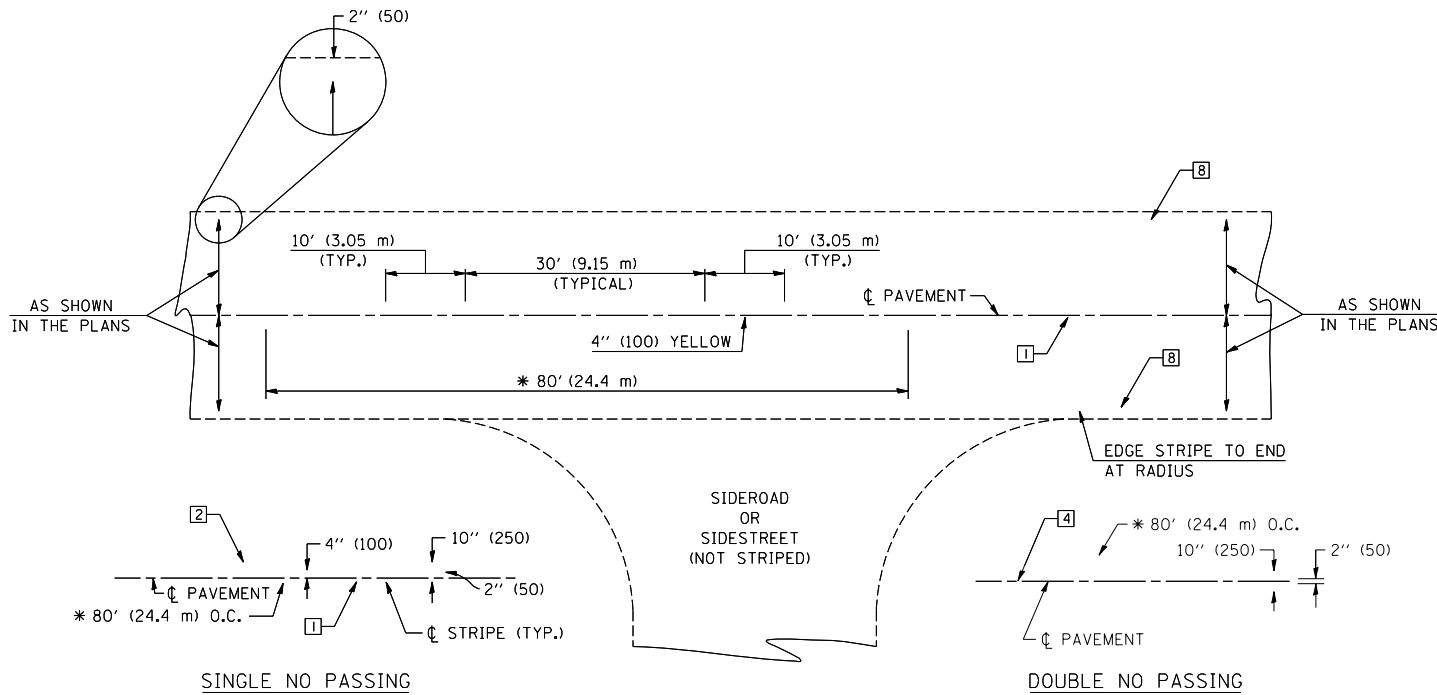
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7020000

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70016				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

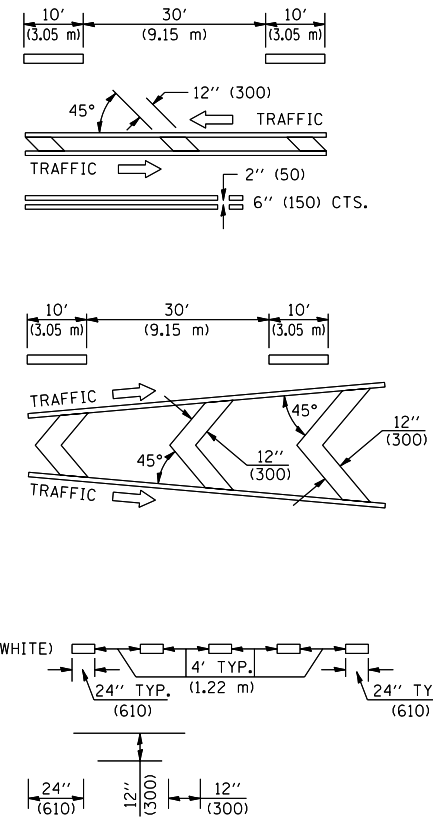


* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

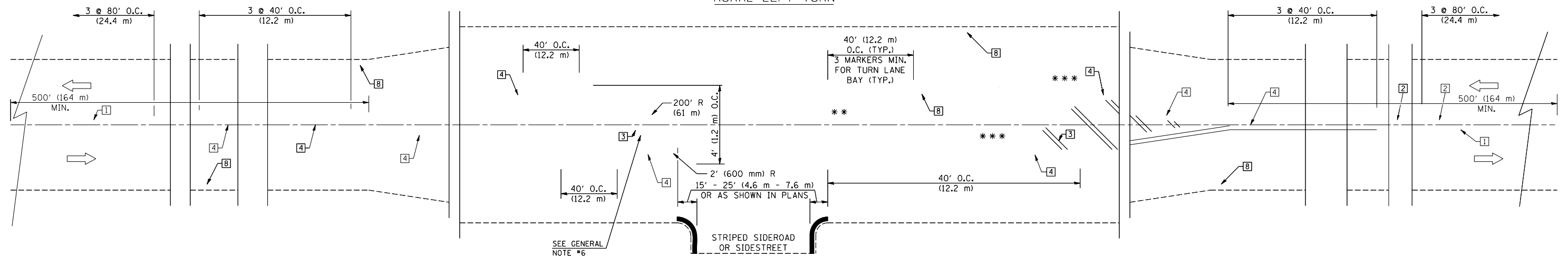
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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

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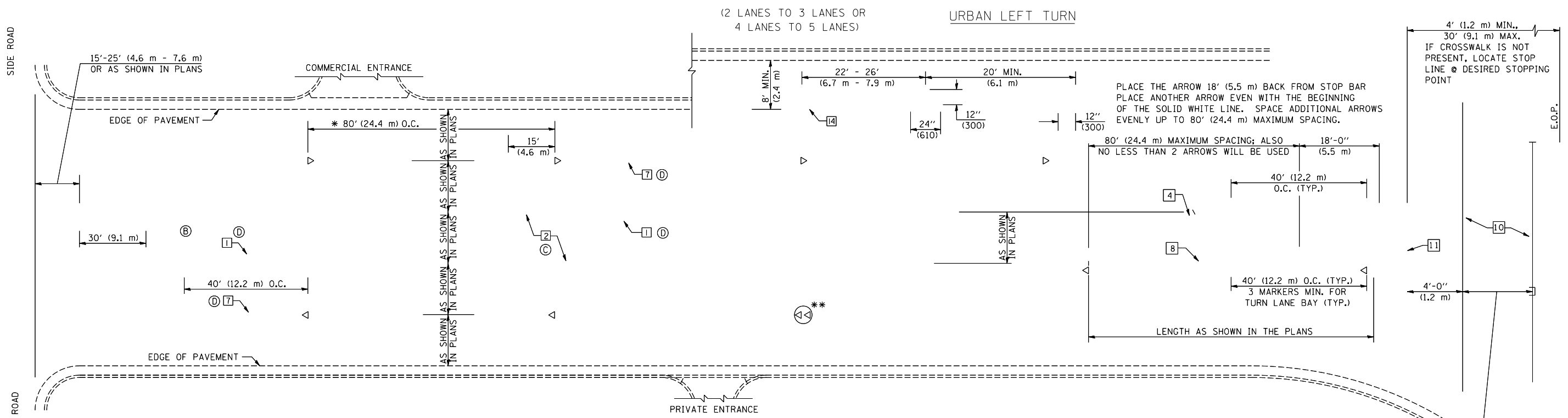
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

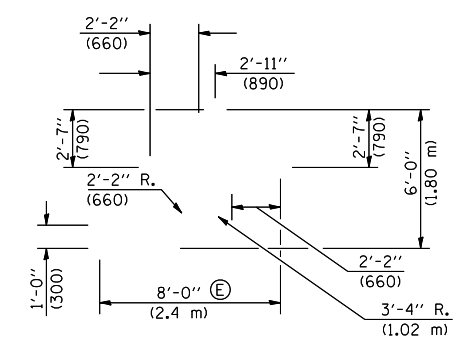
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	32
FED. ROAD DIST. NO.			CONTRACT NO. 70016	
ILLINOIS FED. AID PROJECT				



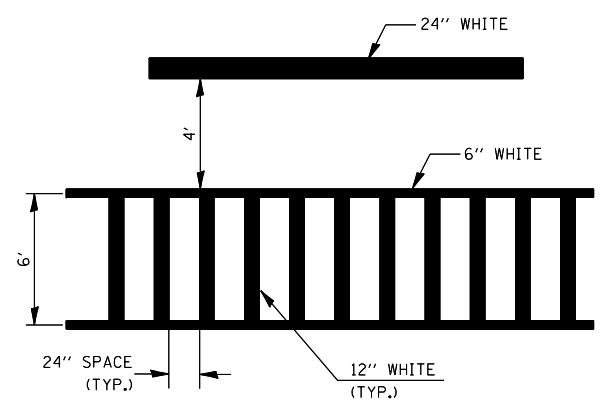
* REDUCE TO 40 FEET (12.2 METERS) ON CENTER
ON CURVES WHERE ADVISORY SPEEDS ARE
10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

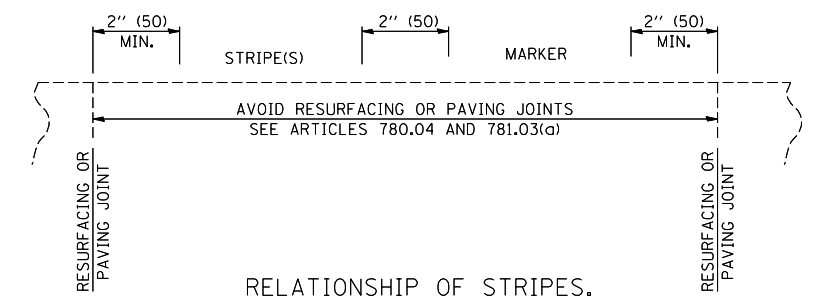
- GENERAL NOTES:**
- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
 - ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR 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)



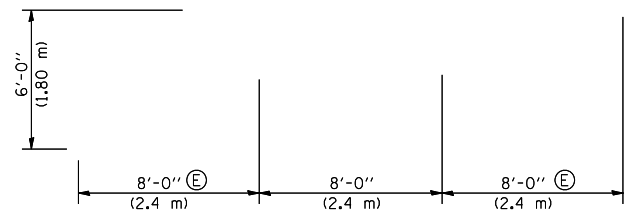
LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



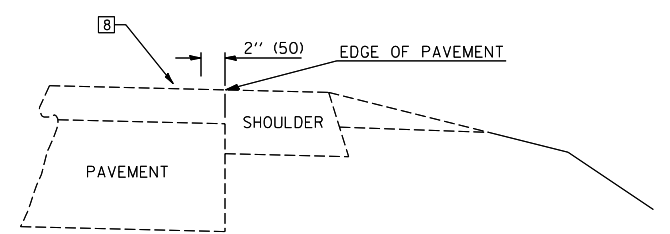
**TYPICAL SPACING FOR
CROSSWALKS & STOP BARS**



**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. 7800AAA

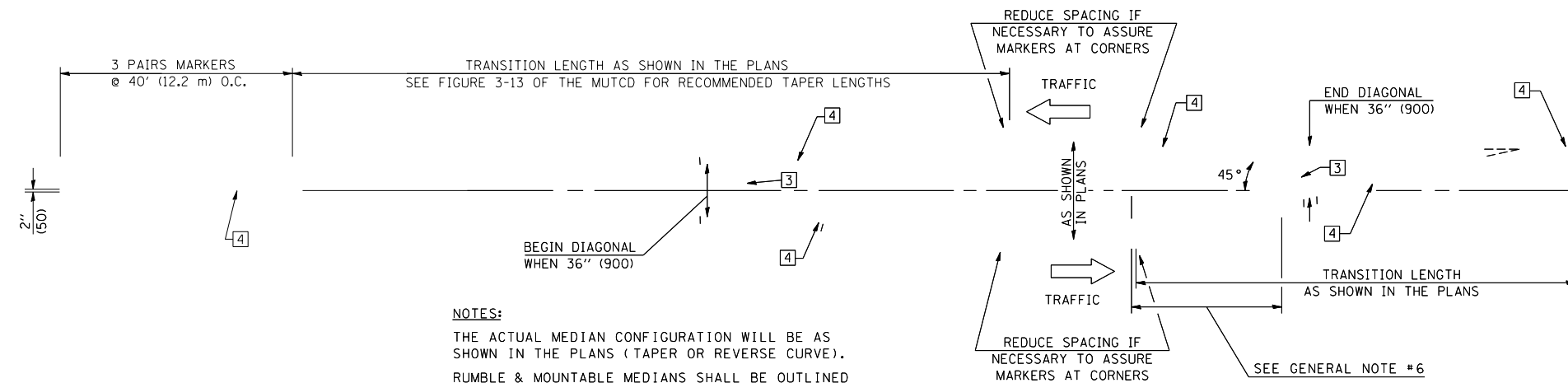
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	PLOT DATE = 8/18/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

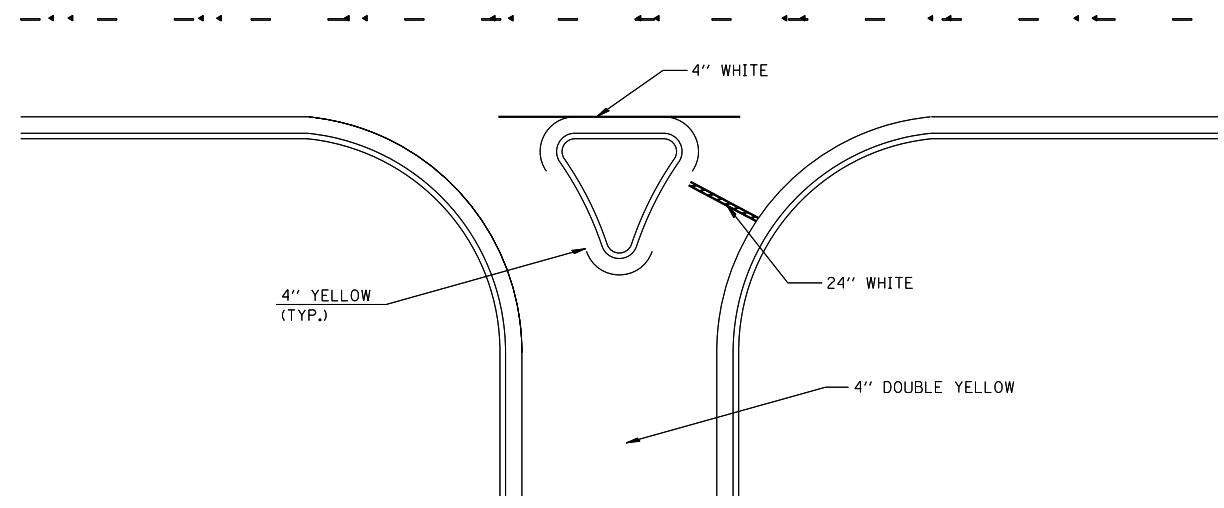


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

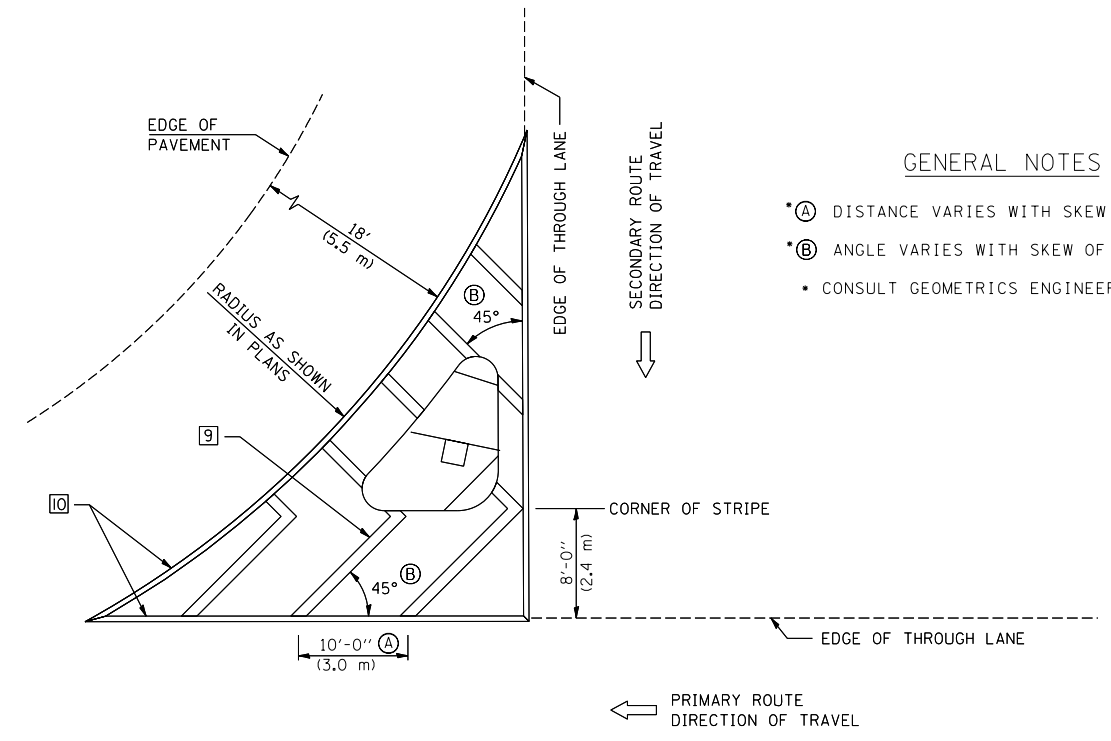
TYPICAL MEDIAN TRANSITIONS

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

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

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

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	PLOT DATE = 8/18/2010	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

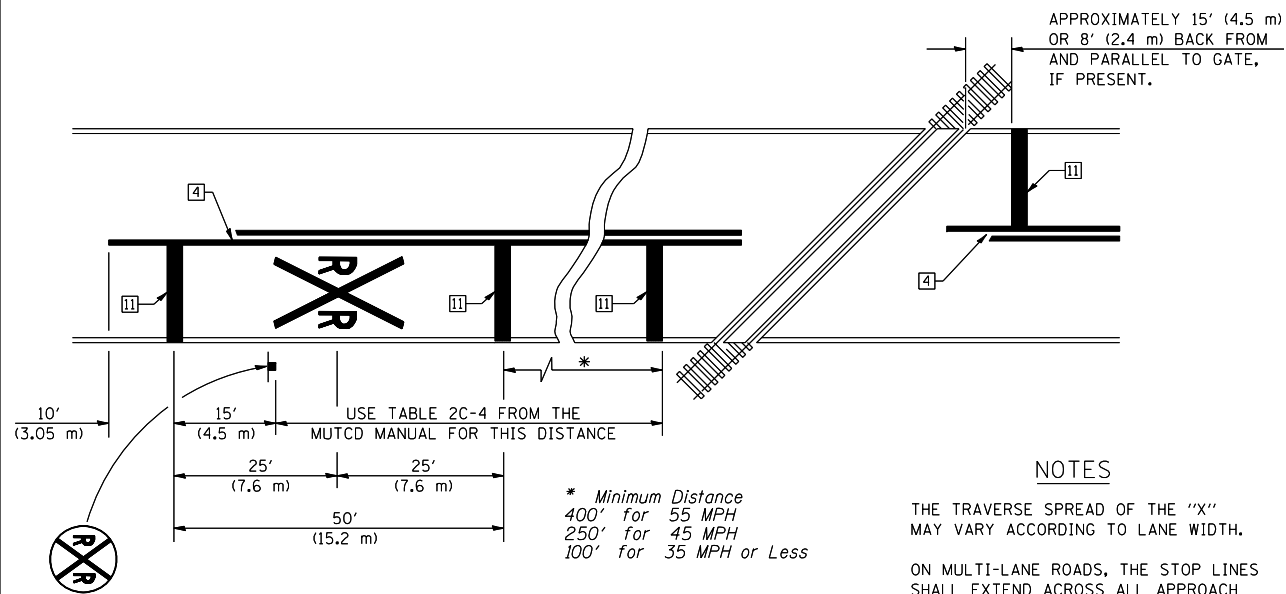
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



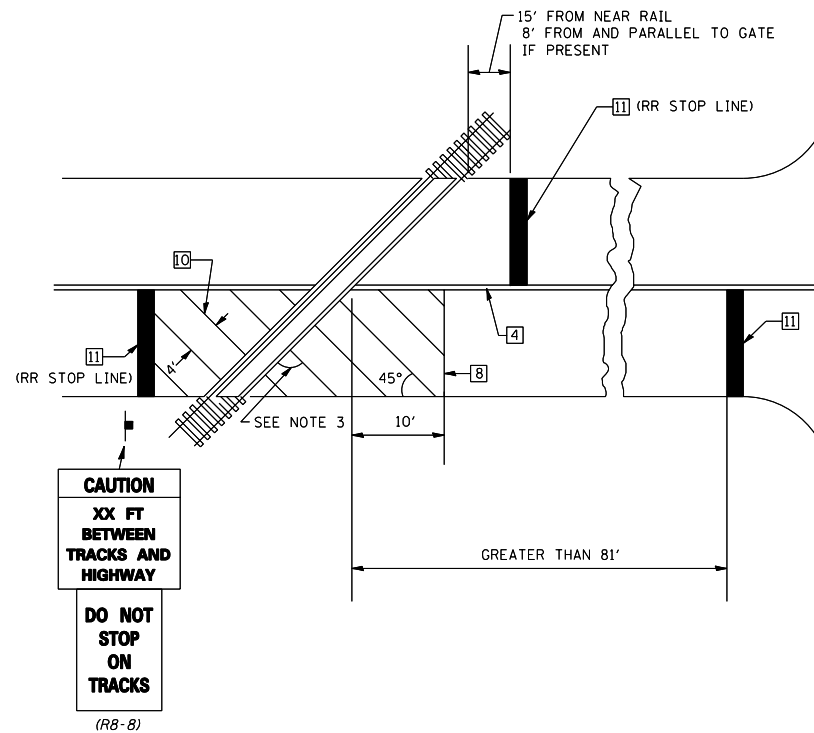
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

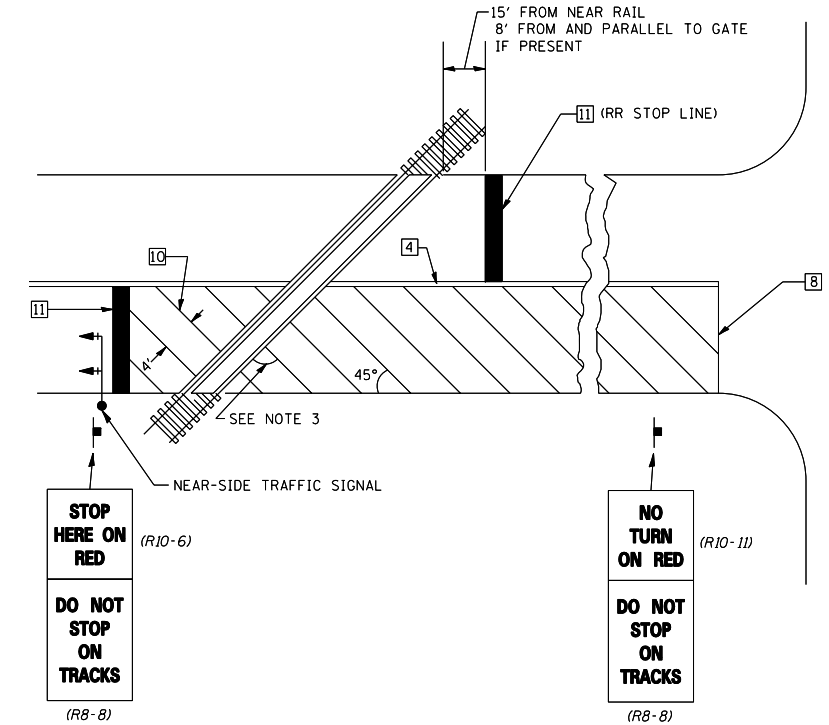
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

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.



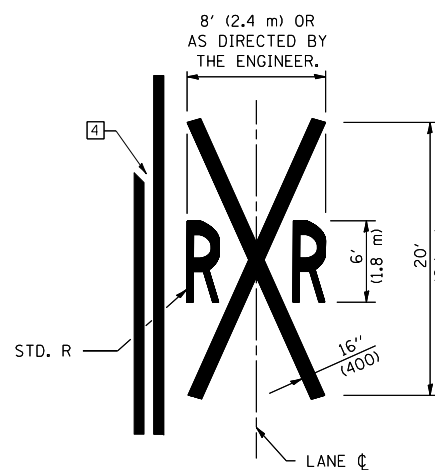
SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

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



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	PLOT DATE = 8/18/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

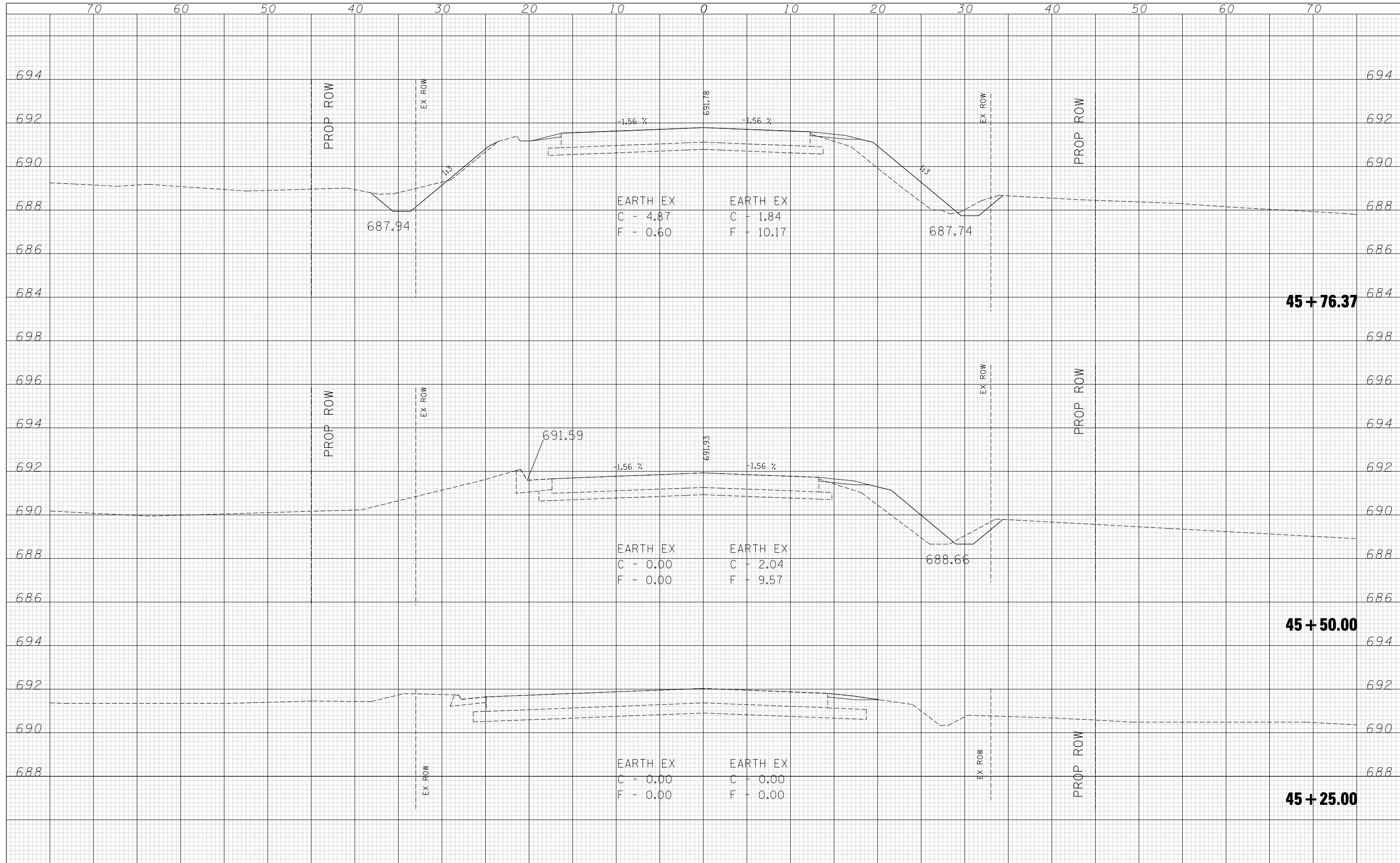
SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
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CHECKED	
FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
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		DATE -	06-2008	REVISED -	

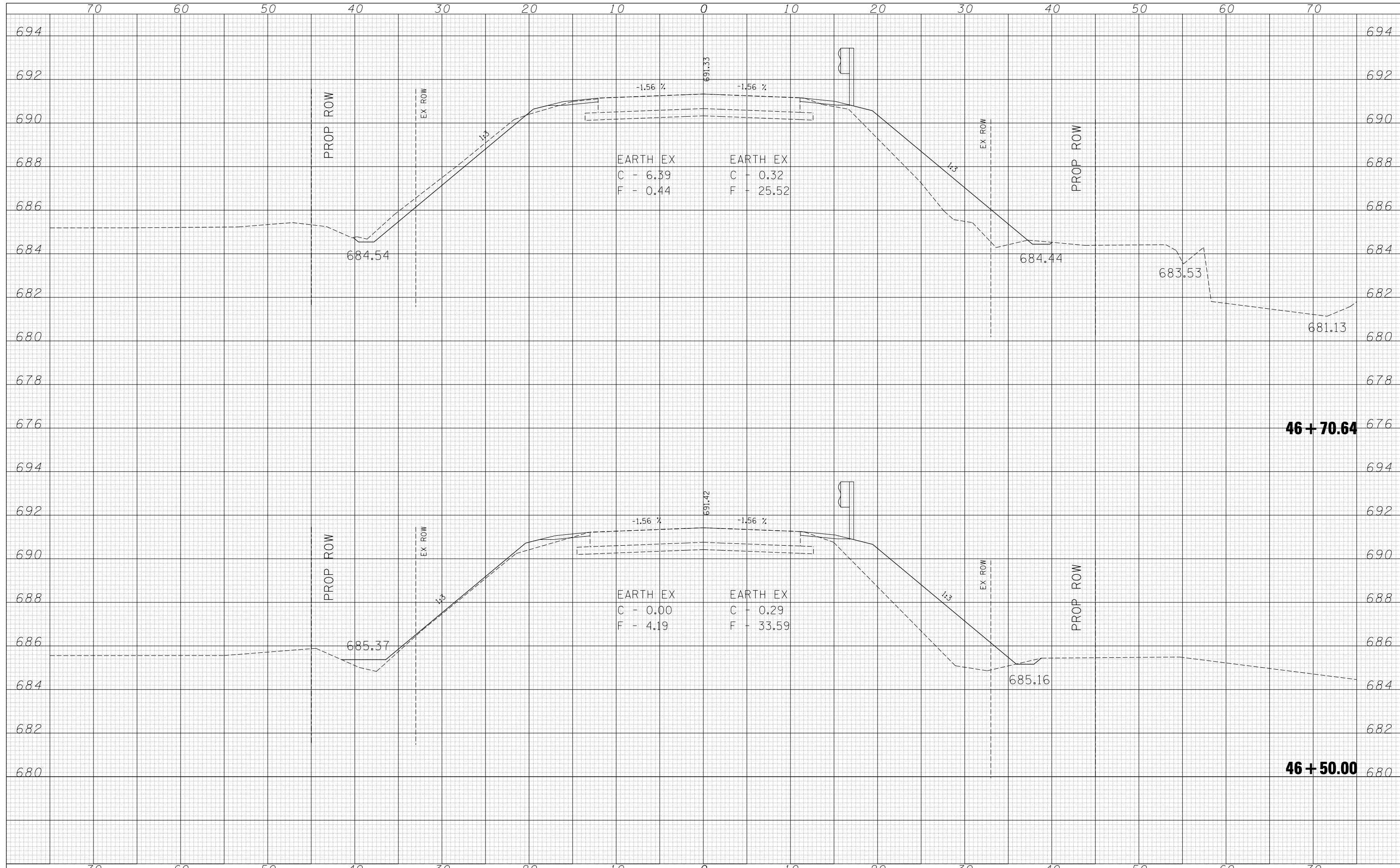
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 70016	

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

DATE	
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PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME =	USER NAME = blockrt	DESIGNED -	RTB	REVISED -	
		DRAWN -	RTB	REVISED -	
		CHECKED -		REVISED -	
		DATE -	06-2008	REVISED -	

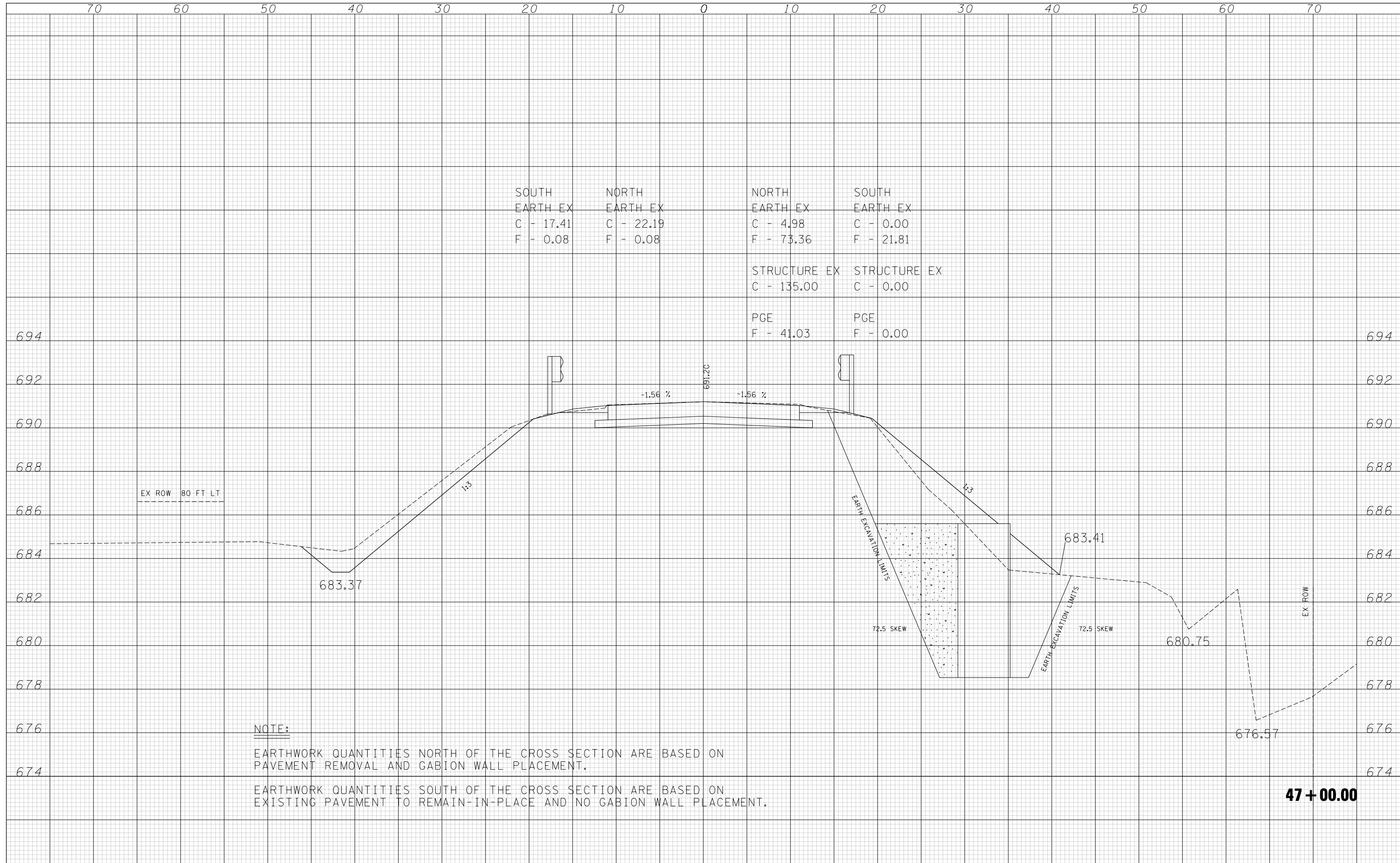
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	37
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 70016	

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

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



SOUTH EARTH EX	NORTH EARTH EX	NORTH EARTH EX	SOUTH EARTH EX
C - 17.41	C - 22.19	C - 4.98	C - 0.00
F - 0.08	F - 0.08	F - 73.36	F - 21.81
STRUCTURE EX		STRUCTURE EX	
C - 135.00		C - 0.00	
PGE		PGE	
F - 41.03		F - 0.00	

NOTE:
 EARTHWORK QUANTITIES NORTH OF THE CROSS SECTION ARE BASED ON PAVEMENT REMOVAL AND GABION WALL PLACEMENT.
 EARTHWORK QUANTITIES SOUTH OF THE CROSS SECTION ARE BASED ON EXISTING PAVEMENT TO REMAIN-IN-PLACE AND NO GABION WALL PLACEMENT.

47 + 00.00

FILE NAME =	USER NAME = blockrt	DESIGNED - RTB	REVISED -
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		CHECKED -	REVISED -
		DATE - 06-2008	REVISED -

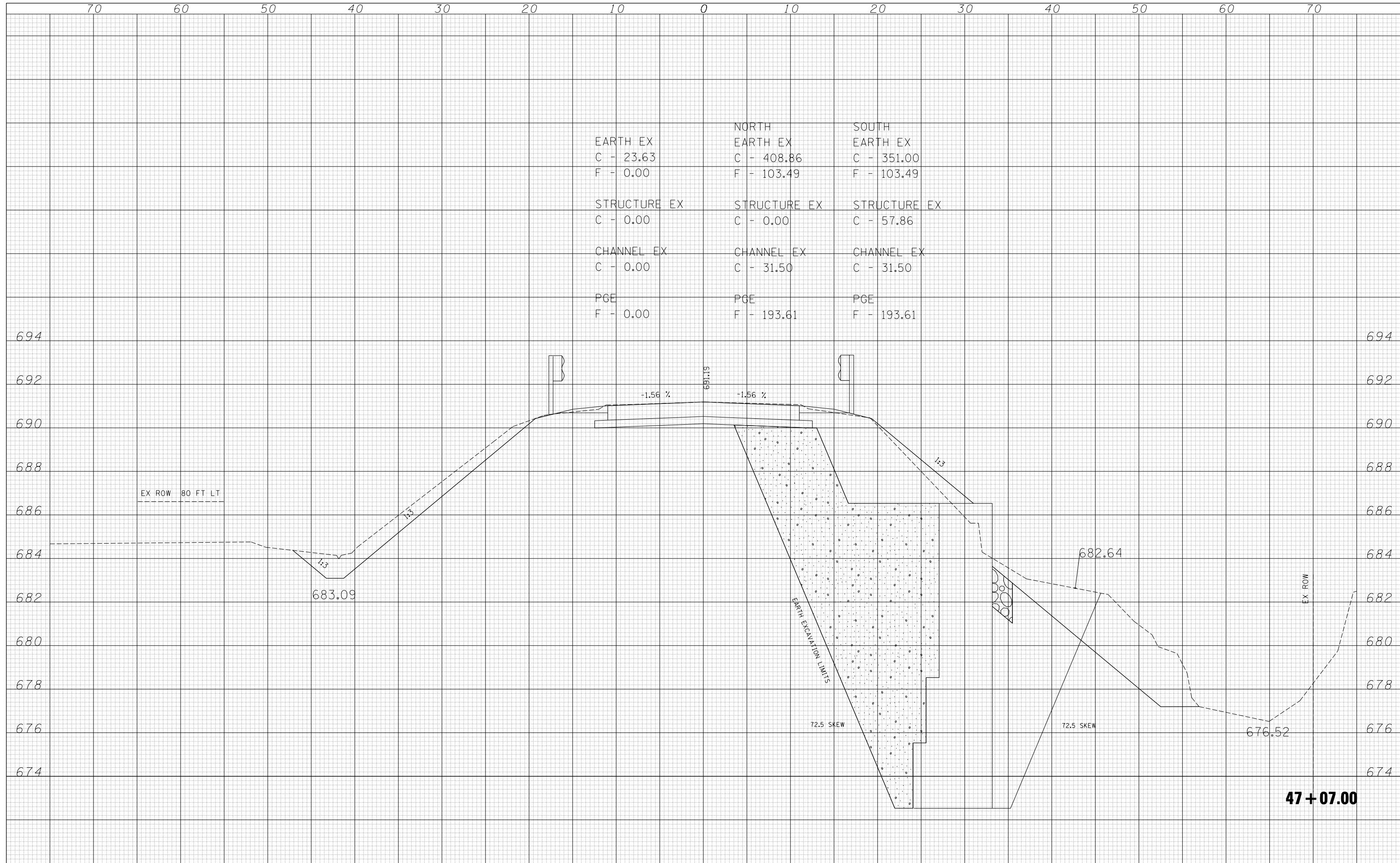
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	38
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

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

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



EARTH EX	NORTH	SOUTH
C - 23.63	EARTH EX	EARTH EX
F - 0.00	C - 408.86	C - 351.00
	F - 103.49	F - 103.49
STRUCTURE EX	STRUCTURE EX	STRUCTURE EX
C - 0.00	C - 0.00	C - 57.86
CHANNEL EX	CHANNEL EX	CHANNEL EX
C - 0.00	C - 31.50	C - 31.50
PGE	PGE	PGE
F - 0.00	F - 193.61	F - 193.61

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		DATE -	06-2008	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

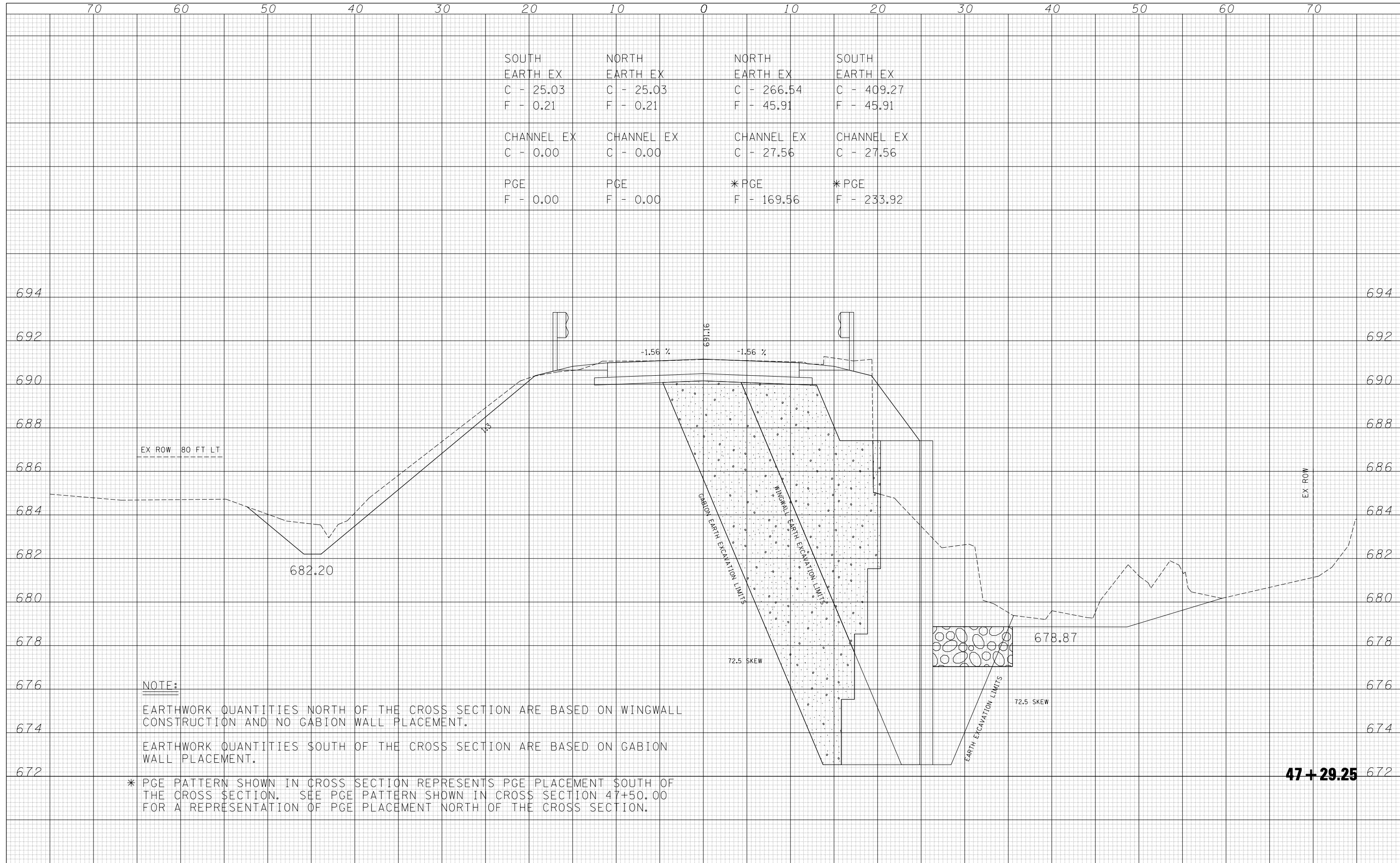
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

47 + 07.00

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



SOUTH EARTH EX C - 25.03 F - 0.21	NORTH EARTH EX C - 25.03 F - 0.21	NORTH EARTH EX C - 266.54 F - 45.91	SOUTH EARTH EX C - 409.27 F - 45.91
CHANNEL EX C - 0.00	CHANNEL EX C - 0.00	CHANNEL EX C - 27.56	CHANNEL EX C - 27.56
PGE F - 0.00	PGE F - 0.00	*PGE F - 169.56	*PGE F - 233.92

EX ROW 80 FT LT

NOTE:

EARTHWORK QUANTITIES NORTH OF THE CROSS SECTION ARE BASED ON WINGWALL CONSTRUCTION AND NO GABION WALL PLACEMENT.

EARTHWORK QUANTITIES SOUTH OF THE CROSS SECTION ARE BASED ON GABION WALL PLACEMENT.

* PGE PATTERN SHOWN IN CROSS SECTION REPRESENTS PGE PLACEMENT SOUTH OF THE CROSS SECTION. SEE PGE PATTERN SHOWN IN CROSS SECTION 47+50.00 FOR A REPRESENTATION OF PGE PLACEMENT NORTH OF THE CROSS SECTION.

47+29.25

FILE NAME =	USER NAME = blockrt	DESIGNED - RTB	REVISED -
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		CHECKED -	REVISED -
		DATE - 06-2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

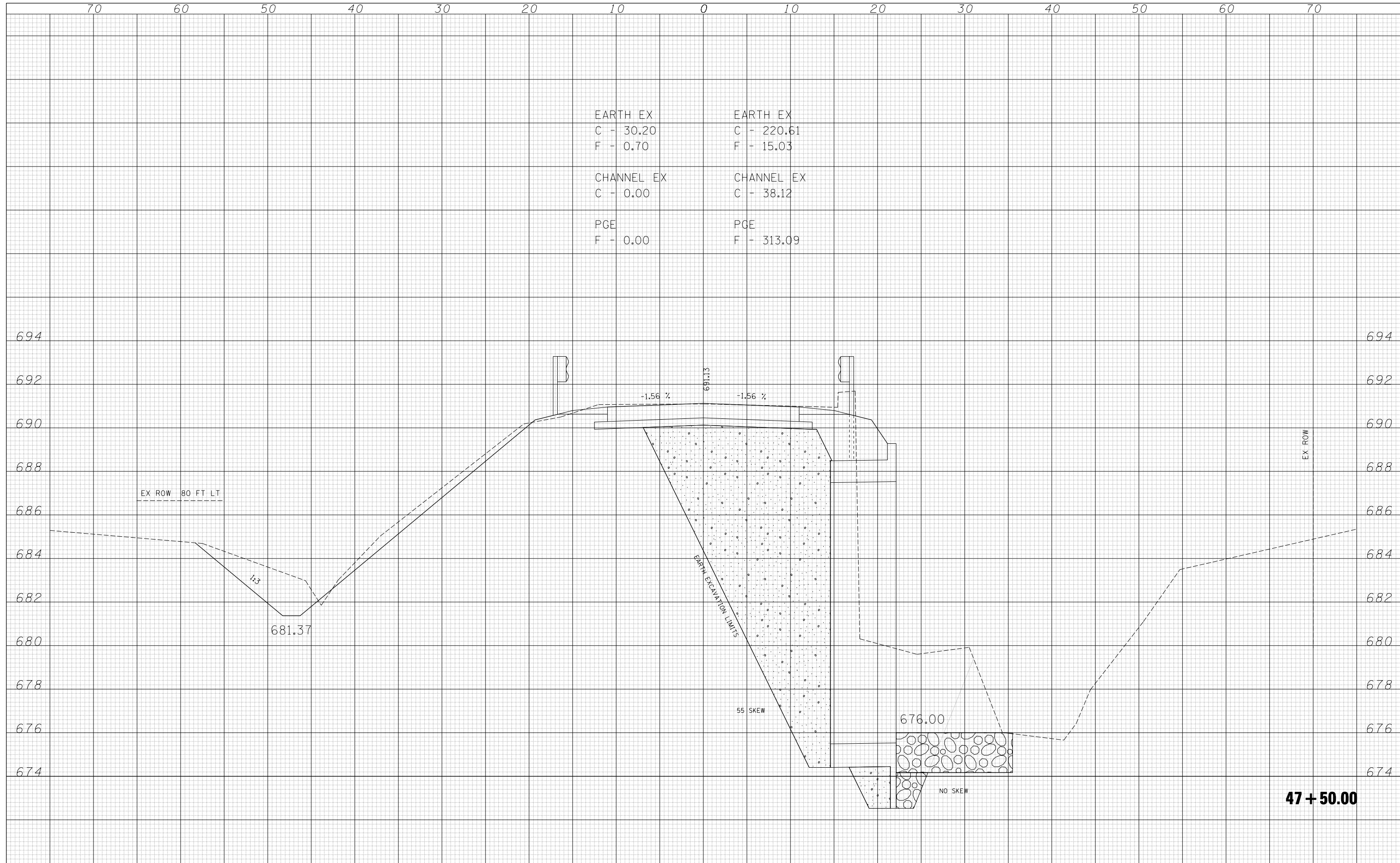
CROSS SECTIONS

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	40
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

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

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



EARTH EX	EARTH EX
C - 30.20	C - 220.61
F - 0.70	F - 15.03
CHANNEL EX	CHANNEL EX
C - 0.00	C - 38.12
PGE	PGE
F - 0.00	F - 313.09

47 + 50.00

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		CHECKED -		REVISED -	
		DATE -	06-2008	REVISED -	
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		PLOT DATE =	8/18/2010		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

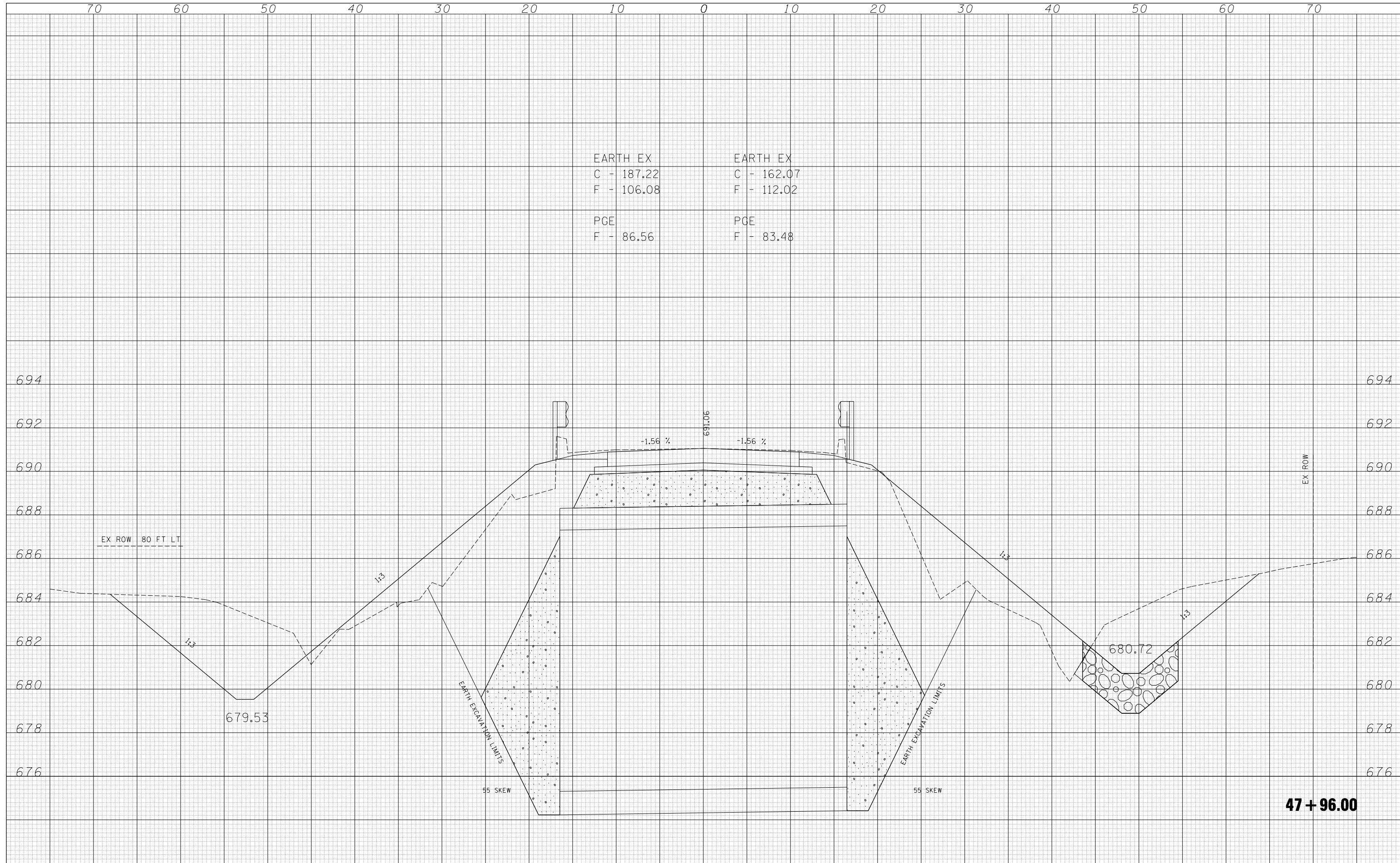
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

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

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

EARTH EX	EARTH EX
C - 187.22	C - 162.07
F - 106.08	F - 112.02
PGE	PGE
F - 86.56	F - 83.48



47 + 96.00

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		CHECKED -		REVISED -	
		DATE -	06-2008	REVISED -	
		PLOT SCALE =	10.0000" / IN.		
		PLOT DATE =	8/18/2010		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

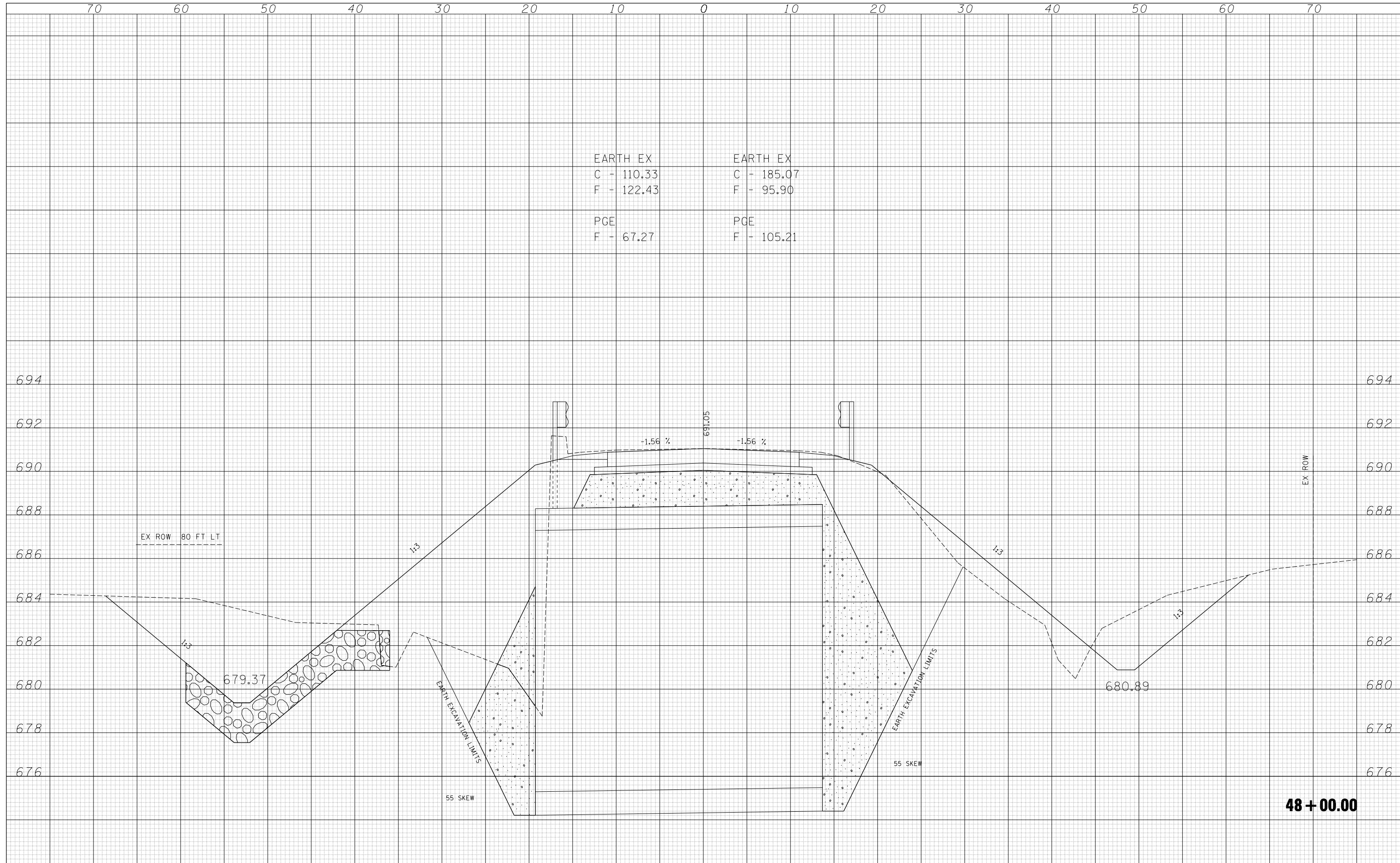
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	42
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

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

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

EARTH EX	EARTH EX
C - 110.33	C - 185.07
F - 122.43	F - 95.90
PGE	PGE
F - 67.27	F - 105.21



48 + 00.00

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	PLOT DATE = 8/18/2010	DATE -	06-2008	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

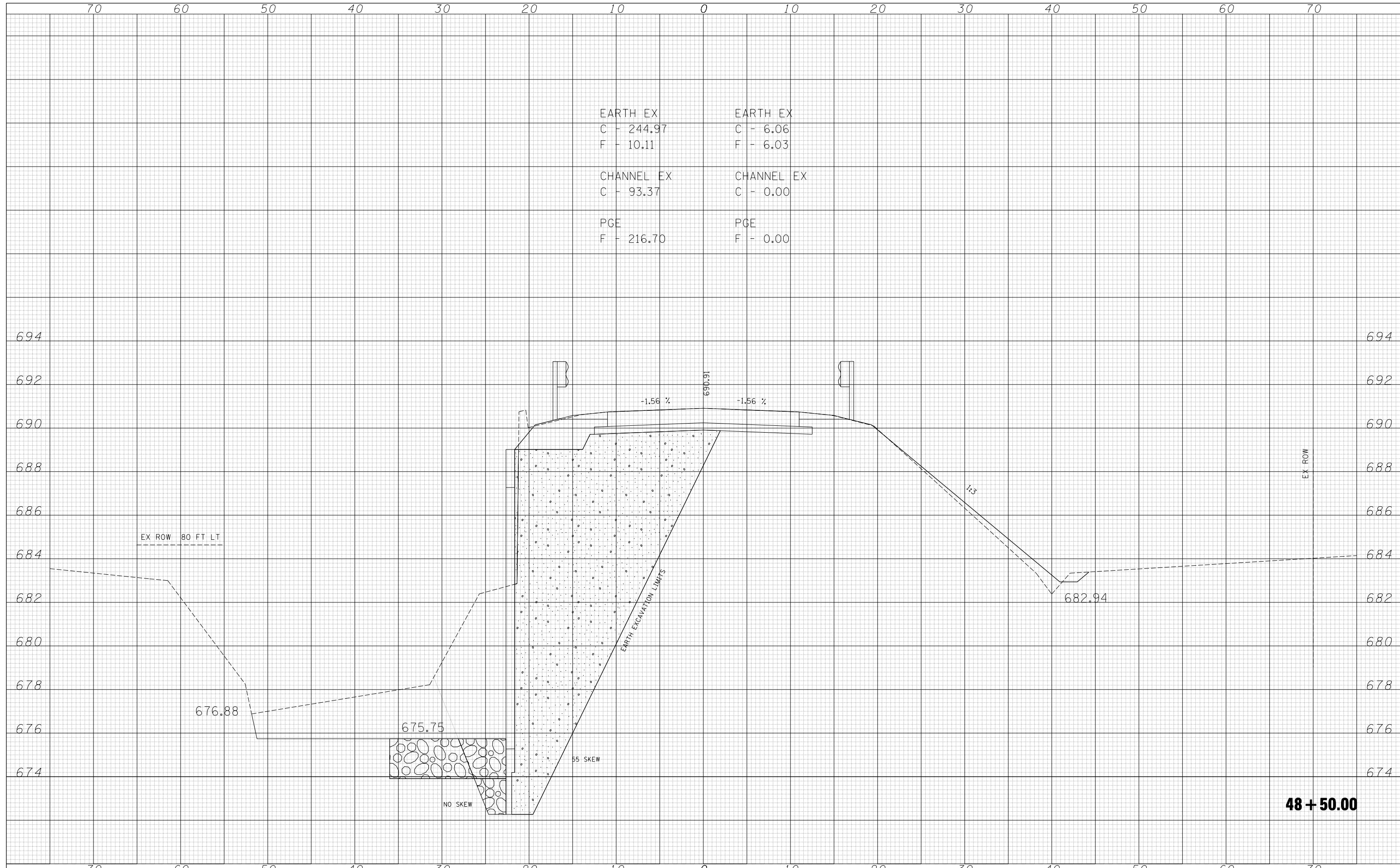
CROSS SECTIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	43
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	

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

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



EARTH EX	EARTH EX
C - 244.97	C - 6.06
F - 10.11	F - 6.03
CHANNEL EX	CHANNEL EX
C - 93.37	C - 0.00
PGE	PGE
F - 216.70	F - 0.00

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PLOT DATE = 8/18/2010	CHECKED -	REVISED -
	DATE - 06-2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

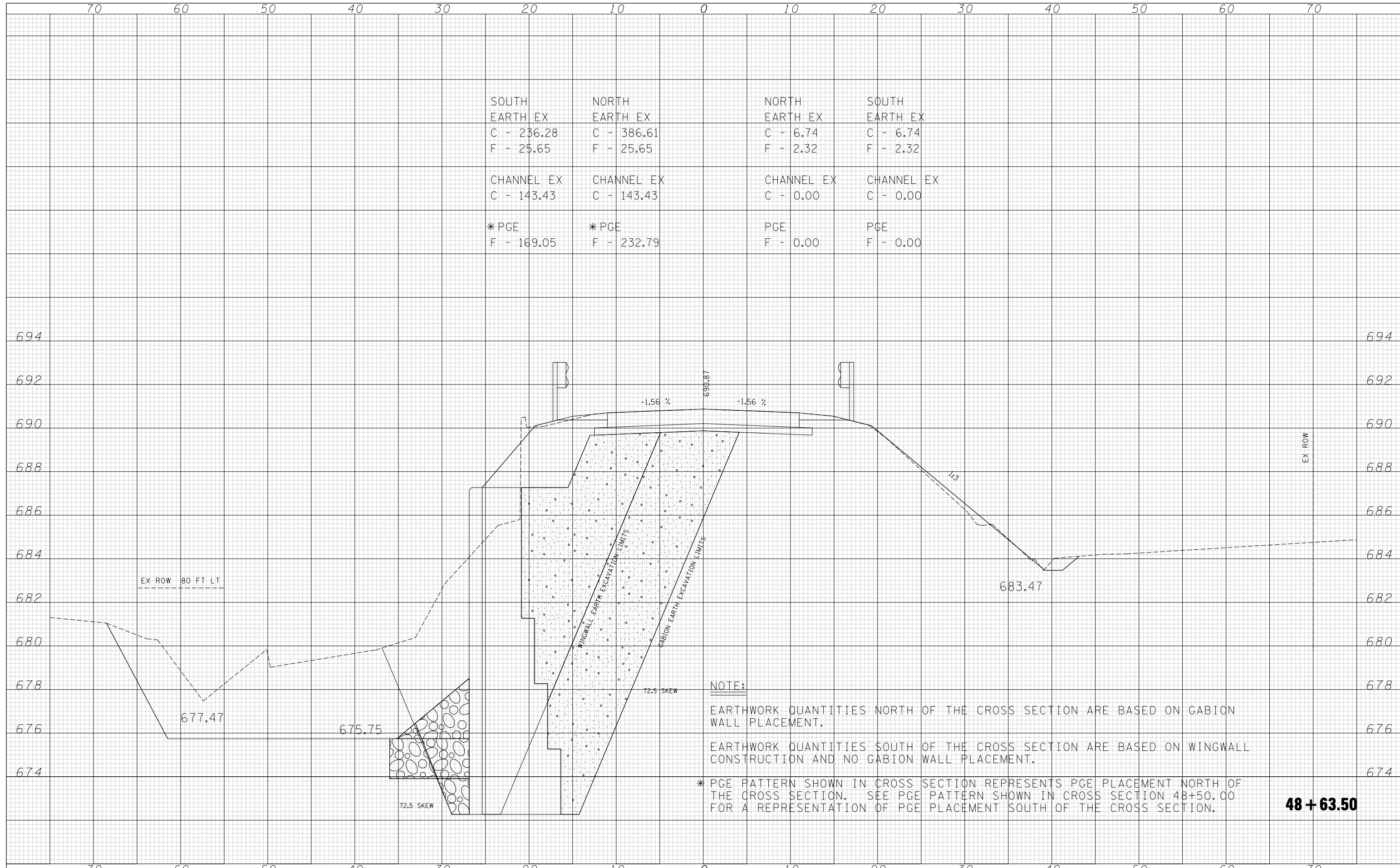
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	44
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 70016	

48 + 50.00

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

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BY	
ORIGINAL SURVEY	
NOTE BOOK	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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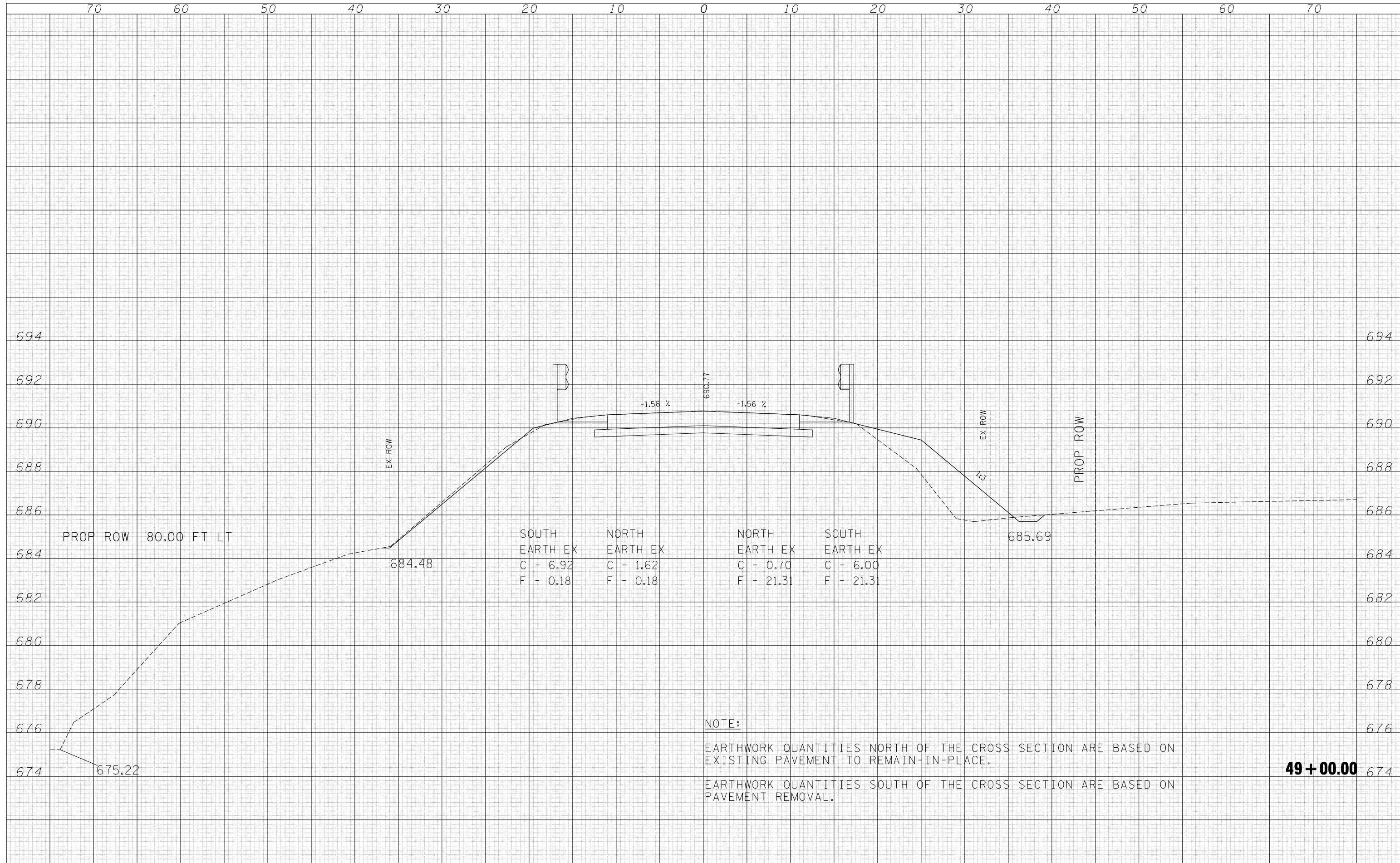
SOUTH EARTH EX	NORTH EARTH EX	NORTH EARTH EX	SOUTH EARTH EX
C - 236.28	C - 386.61	C - 6.74	C - 6.74
F - 25.65	F - 25.65	F - 2.32	F - 2.32
CHANNEL EX	CHANNEL EX	CHANNEL EX	CHANNEL EX
C - 143.43	C - 143.43	C - 0.00	C - 0.00
*PGE	*PGE	PGE	PGE
F - 169.05	F - 232.79	F - 0.00	F - 0.00

NOTE:
 EARTHWORK QUANTITIES NORTH OF THE CROSS SECTION ARE BASED ON GABION WALL PLACEMENT.
 EARTHWORK QUANTITIES SOUTH OF THE CROSS SECTION ARE BASED ON WINGWALL CONSTRUCTION AND NO GABION WALL PLACEMENT.
 * PGE PATTERN SHOWN IN CROSS SECTION REPRESENTS PGE PLACEMENT NORTH OF THE CROSS SECTION. SEE PGE PATTERN SHOWN IN CROSS SECTION 48+50.00 FOR A REPRESENTATION OF PGE PLACEMENT SOUTH OF THE CROSS SECTION.

48 + 63.50

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

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



NOTE:
 EARTHWORK QUANTITIES NORTH OF THE CROSS SECTION ARE BASED ON EXISTING PAVEMENT TO REMAIN-IN-PLACE.
 EARTHWORK QUANTITIES SOUTH OF THE CROSS SECTION ARE BASED ON PAVEMENT REMOVAL.

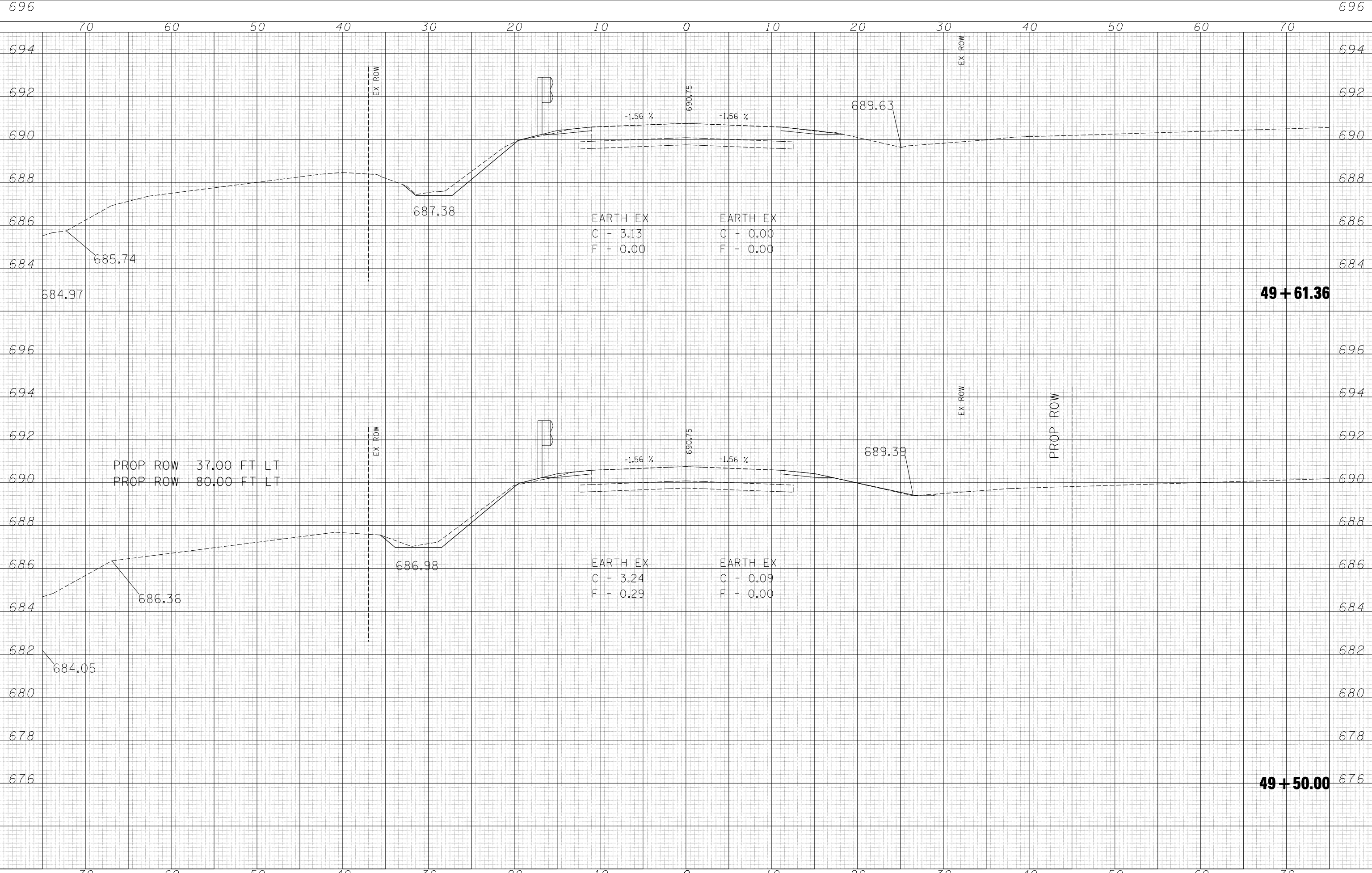
49 + 00.00

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		DATE -	06-2008	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70016	



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

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

PROP ROW 37.00 FT LT
PROP ROW 80.00 FT LT

EARTH EX
C - 3.13
F - 0.00

EARTH EX
C - 3.24
F - 0.29

EARTH EX
C - 0.00
F - 0.00

EARTH EX
C - 0.09
F - 0.00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

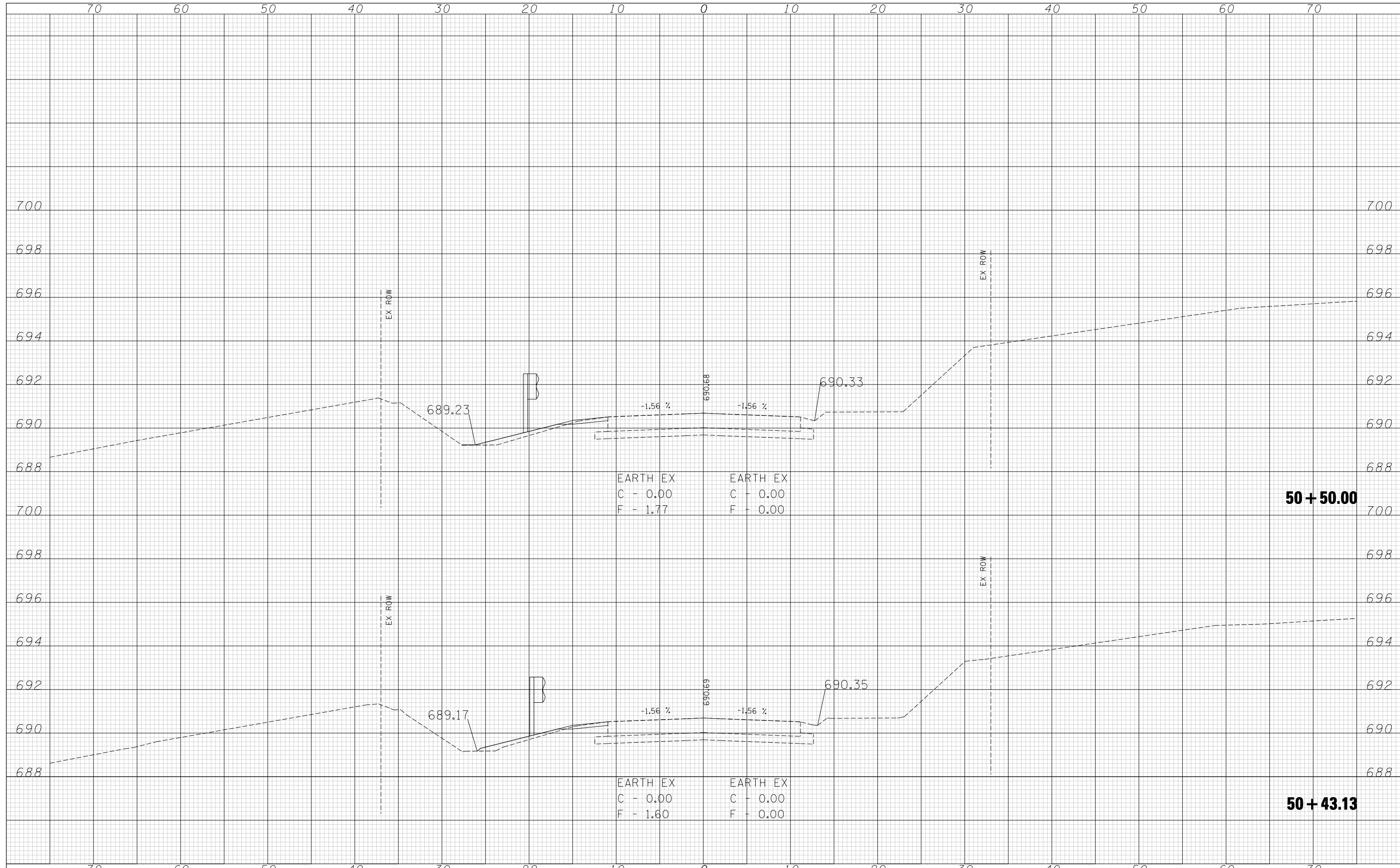
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		CHECKED -		REVISED -
		DATE -	06-2008	REVISED -
		PLOT SCALE =	10.0000' / IN.	
		PLOT DATE =	8/18/2010	

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	47
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 70016		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

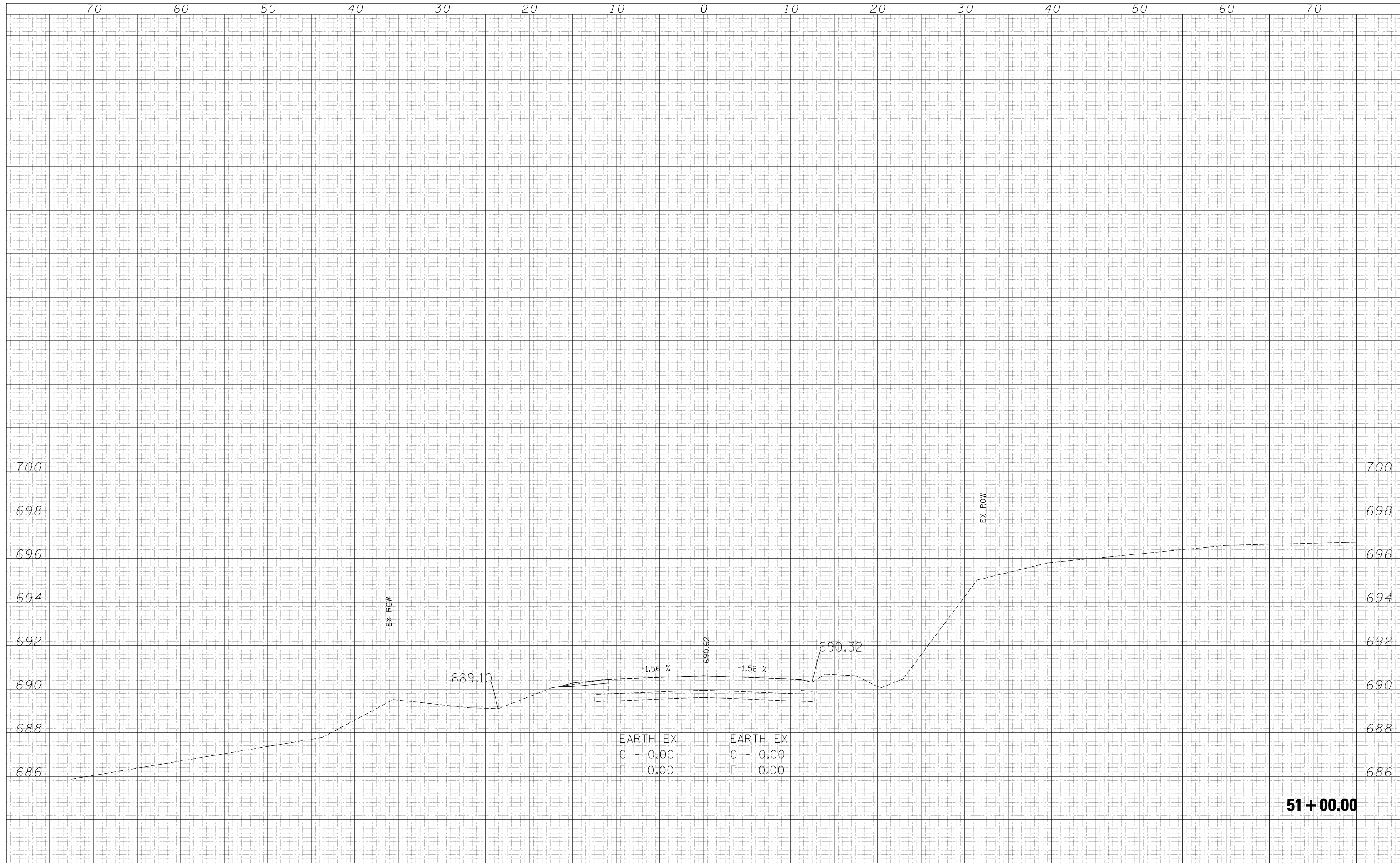
CROSS SECTIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	48
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 70016	

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

DATE	
BY	
SURVEYED	
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TEMPLATE	
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CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



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		CHECKED -		REVISED -	
		DATE -	06-2008	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	Z-BR	VERMILION	49	49
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 70016	