

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**BUSSE WOODS TRAIL
OVER FAP 341 (IL ROUTE 72)
BRIDGE-BICYCLE OVERPASS
SECTION: 09-00058-00-BT
PROJECT: CMM-4003(148)
JOB NO.: C-91-163-13
ELK GROVE VILLAGE
COOK COUNTY**

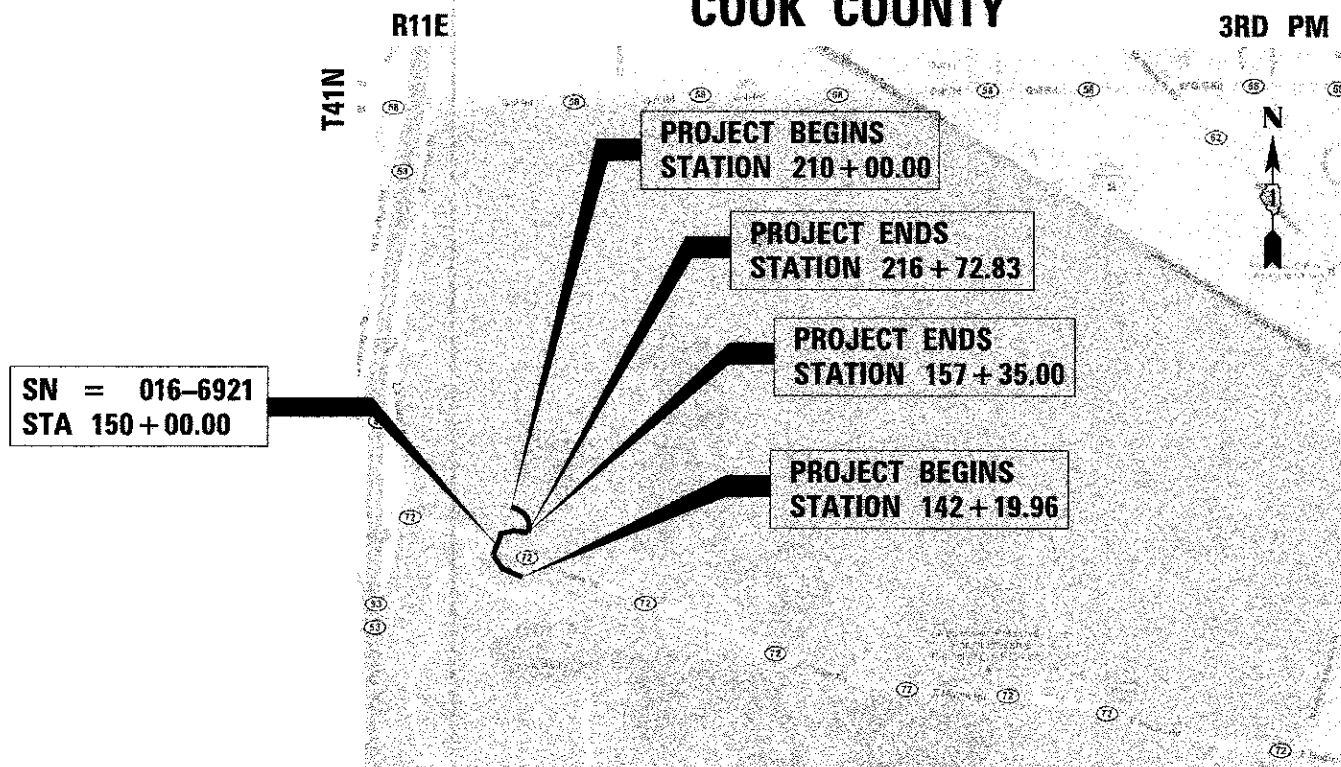
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IL ROUTE 72 POSTED SPEED LIMIT = 45 MPH
IL ROUTE 72 DESIGN SPEED LIMIT = 45 MPH
IL ROUTE 72 TRAFFIC VOLUME = 34,100 ADT 2010

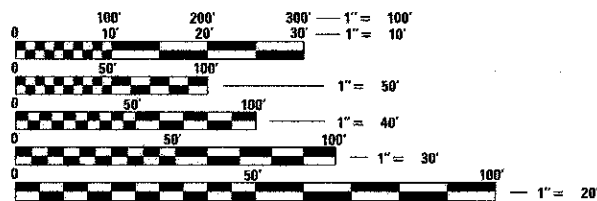
BUSSE WOODS TRAIL DESIGN DESIGNATION = OFF SYSTEM TRAIL
IL ROUTE 72 DESIGN DESIGNATION = OTHER ARTERIAL



PROJECT IS LOCATED IN
VILLAGE OF ELK GROVE VILLAGE



SN = 016-6921
STA 150+00.00



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

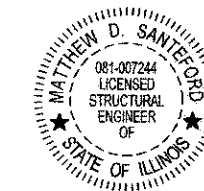
ELK GROVE TOWNSHIP
SECTION 19

LOCATION MAP
NOT TO SCALE

PROJECT LENGTH (GROSS /NET) = 2,188 FT. (0.41 MILES)



Christopher E. Comin 02-11-2013
CHRISTOPHER E. COMIN, P.E.
NO. 062-056621
EXP. DATE 11/30/13
(SHEETS 1-17, 31-43)



Matthew D. Santeford 02-07-2013
MATTHEW D. SANTEFORD, P.E., S.E.
NO. 081-007244
EXP. DATE 11/30/2014
(SHEETS 18-30)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	2/8, 2013 <i>W.R. Samms</i> ELK GROVE VILLAGE, DIRECTOR OF PUBLIC WORKS
APPROVED	2-8, 2013 <i>J. McKel</i> FOREST PRESERVE DISTRICT OF COOK COUNTY
PASSED	FEBRUARY 25, 2013 <i>C.J. Holt</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW February 27, 2013 <i>John Fortman</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER	

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

DATE: _____ BY: _____
 SUPERVISOR: _____
 ALIGNMENT CHECKED: _____
 PLAN NO. _____
 NOTE BOOK NO. _____
 DATE OF WAY CHECKED: _____
 ROAD FILE NAME: _____

DATE: _____ BY: _____
 SUPERVISOR: _____
 GRADES CHECKED: _____
 PROFILE NO. _____
 DATE OF WAY CHECKED: _____
 STRUCTURE NOTES DTD: _____

FILE PATH = G:\CH010\0137\Road\Shoets\0137-SHT-SUMQTY.dgn

SUMMARY OF QUANTITIES				0028 BIKE PATH 80% STA 20% LA	0008 BRIDGE 80% STA 20% LA	0021 SAFETY 80% STA 20% LA
* CODE NO	PAY ITEM	UNIT	QUANTITY			
20100110	TREE REMOVAL 16 TO 15 UNITS DIAMETER)	UNIT	133	133		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	382	382		
20101000	TEMPORARY FENCE	FOOT	900	900		
20101100	TREE TRUNK PROTECTION	EACH	20	20		
20101200	TREE ROOT PRUNING	EACH	20	20		
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10		
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	10	10		
20200100	EARTH EXCAVATION	CU YD	518	518		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4,451	4451		
20400800	FURNISHED EXCAVATION	CU YD	22,681	22681		
20800150	TRENCH BACKFILL	CU YD	43	43		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	33,513	33513		
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	100		
25000200	SEEDING, CLASS 2	ACRE	2.4	2.4		
25000310	SEEDING, CLASS 4	ACRE	4.6	4.6		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	630	630		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	630	630		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	630	630		
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	22,218	22218		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	7,000	7000		
28000305	TEMPORARY DITCH CHECKS	FOOT	24	24		
28000400	PERIMETER EROSION BARRIER	FOOT	3,835	3835		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	227	227		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	489	489		
35102100	AGGREGATE BASE COURSE, TYPE B 9"	SO YD	2,487	2487		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,577	1577		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	48	48		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	553	553		
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SO YD	16	16		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	1,150	1150		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	199	199		
44000600	SIDEWALK REMOVAL	SO FT	246	246		
50102400	CONCRETE REMOVAL	CU YD	2			2
50105220	PIPE CULVERT REMOVAL	FOOT	117	117		
50200100	STRUCTURE EXCAVATION	CU YD	821		821	
50300225	CONCRETE STRUCTURES	CU YD	145		145	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	22		22	
50300300	PROTECTIVE COAT	SO YD	481		481	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	28,710		28,710	
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	1,549		1,549	
51202305	DRIVING PILES	FOOT	1,549		1,549	
51203200	TEST PILE METAL SHELLS	EACH	4		4	
51500100	NAME PLATES	EACH	1		1	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4	4		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2		
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	99	99		
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	57	57		
542A2737	PIPE CULVERTS, CLASS A, TYPE 4 12"	FOOT	138	138		
58700300	CONCRETE SEALER	SO FT	1,620		1,620	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2		2	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,12	FOOT	175	175		
66400105	CHAIN LINK FENCE, 4'	FOOT	262		262	
66400205	CHAIN LINK FENCE, 5'	FOOT	3,603	3,603		
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	178	178		
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1			

SUMMARY OF QUANTITIES				0028 BIKE PATH 80% STA 20% LA	0008 BRIDGE 80% STA 20% LA	0021 SAFETY 80% STA 20% LA
* CODE NO	PAY ITEM	UNIT	QUANTITY			
66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
67100100	MOBILIZATION	L SUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2,617	2,617		
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	41	41		
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	74	74		
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	6	6		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	979	979		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	60	60		
72000100	SIGN PANEL - TYPE 1	SO FT	4.50	4.50		
72000300	SIGN PANEL - TYPE 3	SO FT	216	216		
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4		
72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	14.50	14.50		
72400330	REMOVE SIGN PANEL - TYPE 3	SO FT	216	216		
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2		
72900100	METAL POST - TYPE A	FOOT	19	19		
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2,111	2,111		
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	10	10		
78006100	PERFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	5	5		
78300100	PAVEMENT MARKING REMOVAL	SO FT	762	762		
81603110	UNIT DUCT, 600V, 4-1C NO.4, 1/2" DIA. POLYETHYLENE	FOOT	288			288
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	7			7
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1			1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1
A2001724	TREE, ACER SACCHARUM (SUGAR MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	10	10		
A2006524	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	6	6		
A2006725	TREE, QUERCUS MACROCARPA (BUR OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	7	7		
X0300249	REMOVE EXISTING GATE	EACH	4	4		
X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SO FT	3,850		3,850	
X0327036	BIKE PATH REMOVAL	SO YD	3,461	3,461		
X0327357	CONSTRUCTION VIBRATION MONITORING	L SUM	1		1	
X0350805	FOLD DOWN BOLLARDS	EACH	2	2		
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	20	20		
X7200095	FURNISH AND ERECT SIGN PANEL	SO FT	170		170	
X7260100	MILE POST MARKER ASSEMBLY (SPECIAL)	EACH	1	1		
X7270025	REMOVE EXISTING SIGN SUPPORT	EACH	9	9		
X7330064	SIGN SUPPORT SPECIAL	EACH	9	9		
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD	567	567		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0019600	DUST CONTROL WATERING	UNIT	100	100		
Z0022800	FENCE REMOVAL	FOOT	104	104		
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	59	59		
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1			1
Z0034210	MECHANICALLY STABILIZED EARTH RETAINING WALL	SO FT	3,346		3,346	
Z0046306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	275		275	
Z0076600	TRAINEES	HOOR	500	500		
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	500	500		
XX006066	SIGN TO BE RELOCATED	EACH	4	4		
LR442020	BITUMINOUS PATCHING MIXTURE (GROUP II)	TON	10	10		

△ CONSTRUCTION CODE TYPE = 0042

* SPECIALTY ITEM



USER NAME - mdoante@ford
 FILE - 0137-SHT-SUMQTY.dgn
 PLOT SCALE - 50.0000' / in.
 PLOT DATE - 2/13/2013

DESIGNED - CEC
 DRAWN - CEC
 CHECKED - DWB
 DATE - 02/04/2013
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

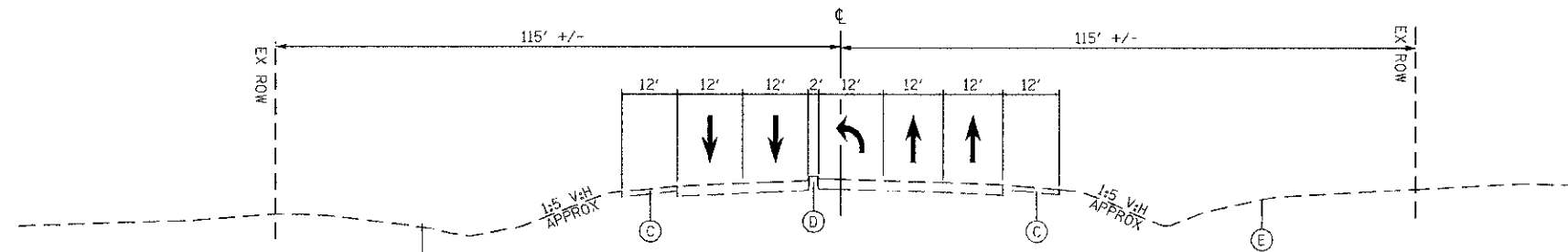
BUSSE WOODS TRAIL OVERPASS
 SUMMARY OF QUANTITIES
 SCALE: _____ SHEET NAME: _____ STA. _____ TO STA. _____

F.A.P. RTE. 341	SECTION 09-00058-00-BT	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 3
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63809	

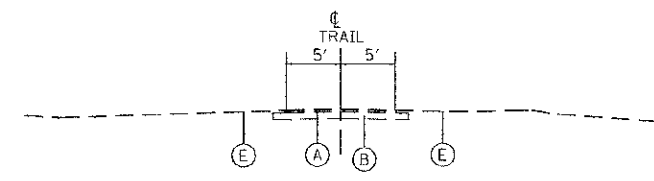
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DESIGNED	
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DATE	
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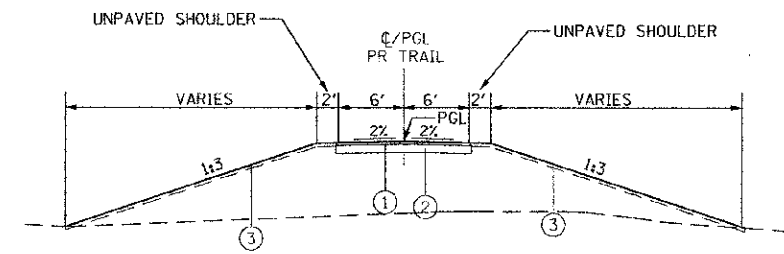
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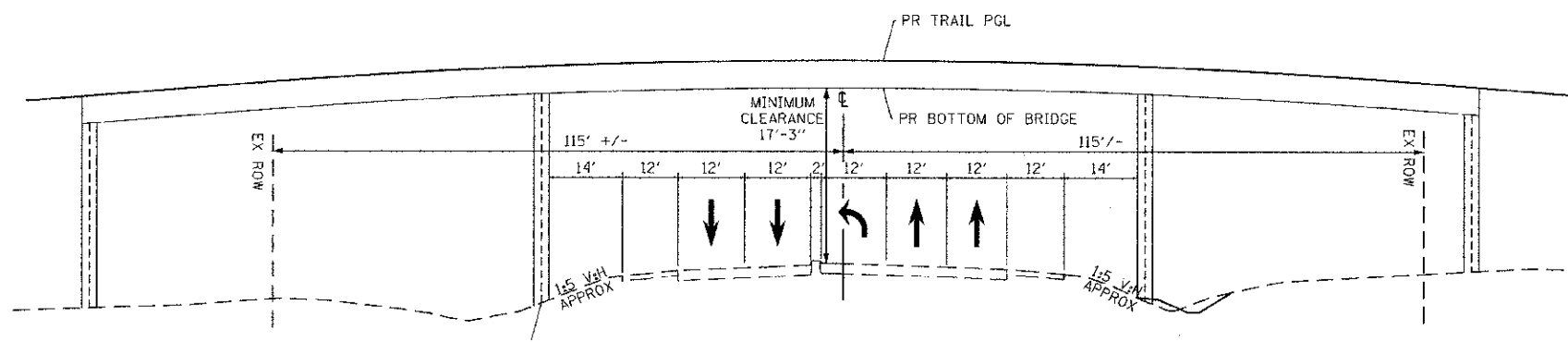
EXISTING TYPICAL SECTION
STA 19+21.53 TO STA 20+09.69,
ILLINOIS ROUTE 72
LOOKING WEST



EXISTING TYPICAL SECTION
WITHIN PROJECT LIMITS,
BUSSE WOODS TRAIL



PROPOSED TYPICAL SECTION
STA 142+19.96 TO STA 148+47.42,
STA 151+27.58 TO STA 157+35.00,
BUSSE WOODS TRAIL ON EMBANKMENT



PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 72 (HIGGINS ROAD)
LOOKING WEST
ILLINOIS ROUTE 72 STATION 20+00
INTERSECTION WITH CL OF PR OVERPASS
BUSSE WOODS TRAIL BRIDGE
STA 148+47.42 (BK. S. ABUT.) TO STA 151+27.58 (BK. N. ABUT.)

EXISTING LEGEND

- (A) EXISTING HMA SURFACE COURSE
- (B) EXISTING AGGREGATE SUBBASE
- (C) EXISTING HMA SHOULDER
- (D) EXISTING CONCRETE MEDIAN
- (E) EXISTING SODDING/SEEDING

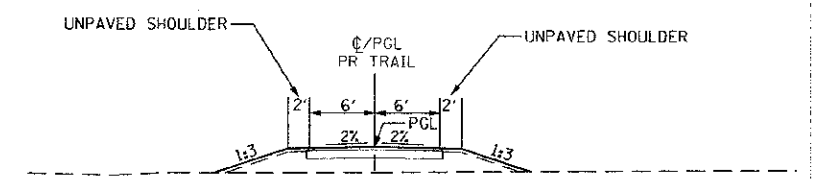
PROPOSED LEGEND

- (1) HMA SURFACE COURSE, MIX "D", N50, 3"
- (2) AGGREGATE BASE COURSE, TYPE B, 9"
- (3) TOPSOIL FURNISH AND PLACE, 6" AND SEEDING, CLASS 2 OR SEEDING, CLASS 4 (SEE PLANS FOR LOCATIONS)

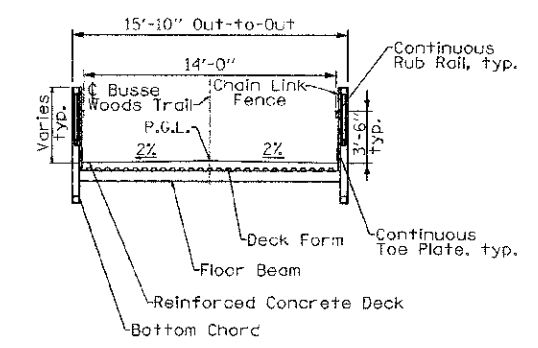
MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS (%) AT Ndes
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 3" (1 LIFT)	4% AT 50 GYRATIONS

NOTES: 1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC-TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



PROPOSED TYPICAL SECTION
STA 210+00.00 TO STA 216+72.83,
BUSSE WOODS TRAIL NORTH SPUR



PROPOSED TYPICAL SECTION
STA 148+47.42 TO STA 151+27.58,
BUSSE WOODS TRAIL BRIDGE



USER NAME = mshah	DESIGNED = CEC	REVISED =
FILE # = 0137-SHT-TYP.dgn	DRAWN = CEC	REVISED =
PLOT SCALE = 50,0000 1/4 in.	CHECKED = DWB	REVISED =
PLOT DATE = 2/12/2013	DATE = 02/04/2013	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

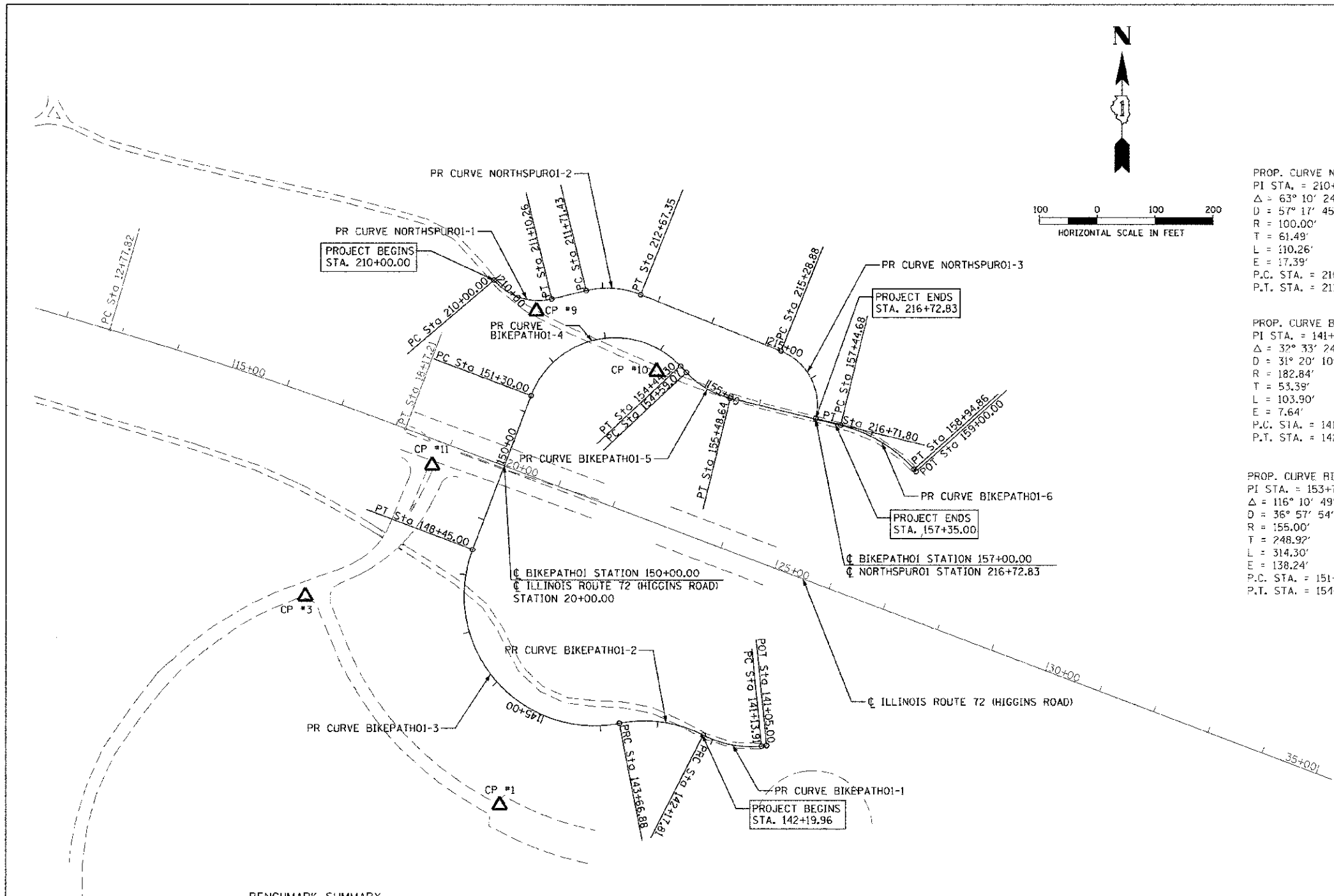
BUSSE WOODS TRAIL OVERPASS
TYPICAL SECTIONS

SCALE:	SHEET NAME:	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	09-00058-00-BT	COOK	43	4
FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63809	

PLAN	DATE	BY	DATE
REVISION			
NO.			
DESCRIPTION			

PROFILE	DATE	BY	DATE
REVISION			
NO.			
DESCRIPTION			



PROP. CURVE NORTHSPUR01-1 PI STA. = 210+61.49 $\Delta = 63^\circ 10' 24''$ (LT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 61.49'$ $L = 110.26'$ $E = 17.39'$ P.C. STA. = 210+00.00 P.T. STA. = 211+10.26	PROP. CURVE NORTHSPUR01-2 PI STA. = 212+20.98 $\Delta = 35^\circ 27' 33''$ (RT) $D = 36^\circ 57' 54''$ $R = 155.00'$ $T = 49.55'$ $L = 95.93'$ $E = 7.73'$ P.C. STA. = 211+71.43 P.T. STA. = 212+67.35	PROP. CURVE NORTHSPUR01-3 PI STA. = 216+15.64 $\Delta = 81^\circ 53' 21''$ (RT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 86.76'$ $L = 142.92'$ $E = 32.39'$ P.C. STA. = 215+28.88 P.T. STA. = 216+71.80
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PROP. CURVE BIKEPATH01-1 PI STA. = 141+67.30 $\Delta = 32^\circ 33' 24''$ (RT) $D = 31^\circ 20' 10''$ $R = 182.84'$ $T = 53.39'$ $L = 103.90'$ $E = 7.64'$ P.C. STA. = 141+13.91 P.T. STA. = 142+17.81	PROP. CURVE BIKEPATH01-2 PI STA. = 142+95.20 $\Delta = 37^\circ 57' 41''$ (LT) $D = 25^\circ 27' 53''$ $R = 225.00'$ $T = 77.39'$ $L = 149.07'$ $E = 12.94'$ P.C. STA. = 142+17.81 P.T. STA. = 143+66.88	PROP. CURVE BIKEPATH01-3 PI STA. = 147+70.73 $\Delta = 121^\circ 45' 06''$ (RT) $D = 25^\circ 27' 53''$ $R = 225.00'$ $T = 403.84'$ $L = 478.12'$ $E = 237.29'$ P.C. STA. = 143+66.88 P.T. STA. = 148+45.00
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PROP. CURVE BIKEPATH01-4 PI STA. = 153+78.92 $\Delta = 116^\circ 10' 49''$ (RT) $D = 36^\circ 57' 54''$ $R = 155.00'$ $T = 248.92'$ $L = 314.30'$ $E = 138.24'$ P.C. STA. = 151+30.00 P.T. STA. = 154+44.30	PROP. CURVE BIKEPATH01-5 PI STA. = 155+05.15 $\Delta = 33^\circ 06' 41''$ (LT) $D = 22^\circ 51' 22''$ $R = 155.00'$ $T = 46.08'$ $L = 89.58'$ $E = 6.70'$ P.C. STA. = 154+59.07 P.T. STA. = 155+48.64	PROP. CURVE BIKEPATH01-6 PI STA. = 158+22.10 $\Delta = 34^\circ 19' 33''$ (RT) $D = 22^\circ 51' 22''$ $R = 250.68'$ $T = 77.42'$ $L = 150.18'$ $E = 11.68'$ P.C. STA. = 157+44.68 P.T. STA. = 158+94.86
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COORDINATE INFORMATION

ALIGNMENT	CURVE	PC/PI/PT	NORTHING	EASTING
BIKEPATH01	BIKEPATH01-1	PC	1,955,189.07	1,068,376.72
		PI	1,955,183.82	1,068,323.59
		PT	1,955,207.98	1,068,275.98
	BIKEPATH01-2	PC	1,955,207.98	1,068,275.98
		PI	1,955,243.00	1,068,206.97
		PT	1,955,228.16	1,068,131.01
BIKEPATH01-3	PC	1,955,228.16	1,068,131.01	
	PI	1,955,150.72	1,067,734.66	
	PT	1,955,528.51	1,067,877.39	
BIKEPATH01-4	PC	1,955,795.11	1,067,978.12	
	PI	1,956,027.97	1,068,066.09	
	PT	1,955,846.29	1,068,236.24	
BIKEPATH01-5	PC	1,955,835.50	1,068,246.34	
	PI	1,955,801.87	1,068,277.84	
	PT	1,955,790.91	1,068,322.59	
BIKEPATH01-6	PC	1,955,744.26	1,068,513.00	
	PI	1,955,725.84	1,068,588.20	
	PT	1,955,668.22	1,068,639.91	
NORTHSPUR01	NORTHSPUR01-1	PC	1,955,994.77	1,067,914.04
		PI	1,955,947.95	1,067,953.90
		PT	1,955,962.39	1,068,013.67
	NORTHSPUR01-2	PC	1,955,976.76	1,068,073.13
		PI	1,955,988.40	1,068,121.30
		PT	1,955,969.93	1,068,167.29
NORTHSPUR01-3	PC	1,955,872.49	1,068,409.98	
	PI	1,955,840.16	1,068,490.49	
	PT	1,955,755.90	1,068,469.85	

BENCHMARK SUMMARY

NAME	ELEVATION	STATION	DESCRIPTION
TBM #1	697.99	145+05.54, 172.8' LT	FOUND PK NAIL NORTHWEST CORNER OF 1ST PARKING LOT SOUTH OF HIGGINS ROAD.
TBM #3	703.72	147+63.23, 274.61' LT	SET MAG NAIL SOUTHEAST CORNER OF 1ST PARKING LOT ENTRANCE AND MAIN ENTRANCE DRIVEWAY.
TBM #9	704.04	152+25.33, 87.64' LT	SET MAG NAIL IN BIKE PATH EAST OF I-290 RAMP NORTH OF HIGGINS ROAD.
TBM #10	703.42	154+16.51, 34.41' RT	SET MAG NAIL IN BIKE PATH EAST OF I-290 RAMP NORTH OF HIGGINS ROAD.
TBM #11	705.45	149+56.55, 117.16' LT	SET MAG NAIL @ OF 1ST ENTRANCE EAST OF I-290 RAMP SOUTH SIDE OF HIGGINS ROAD.

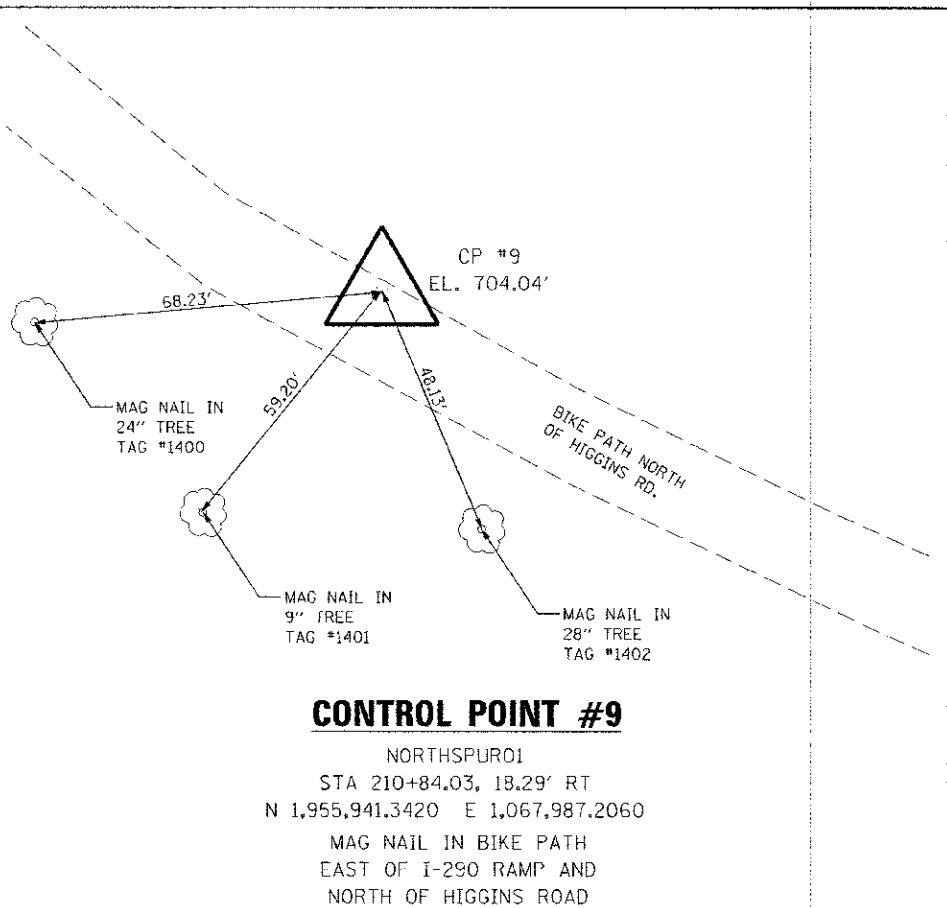
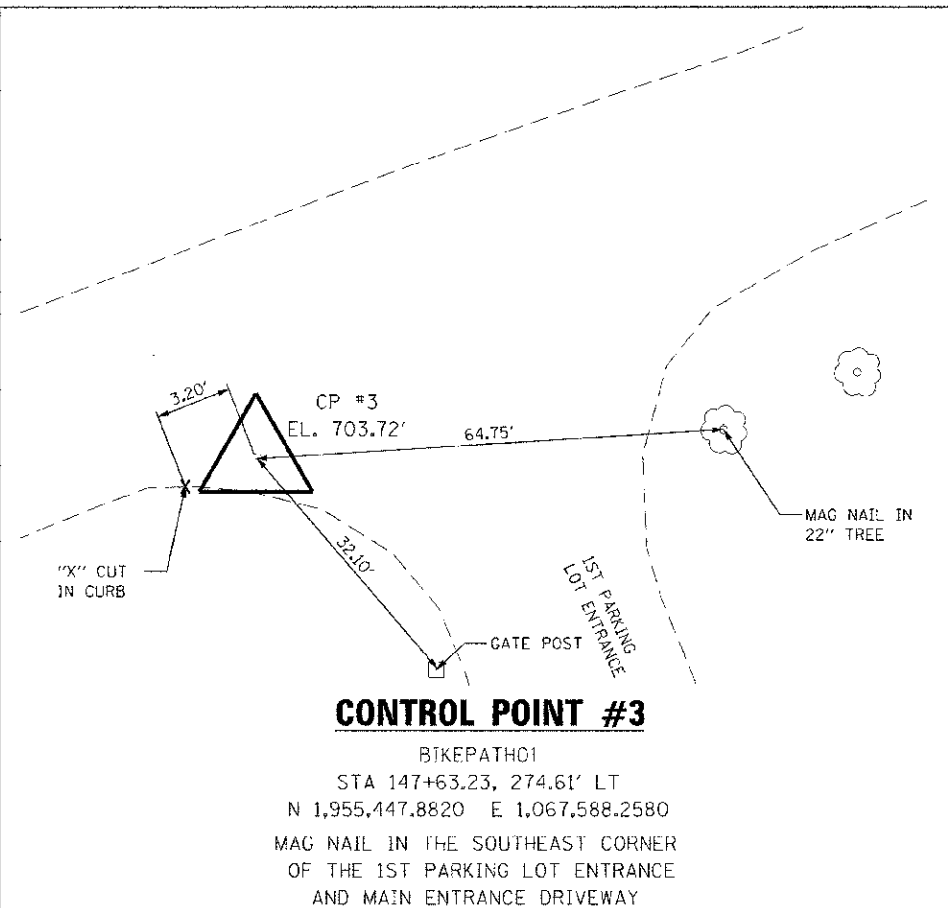
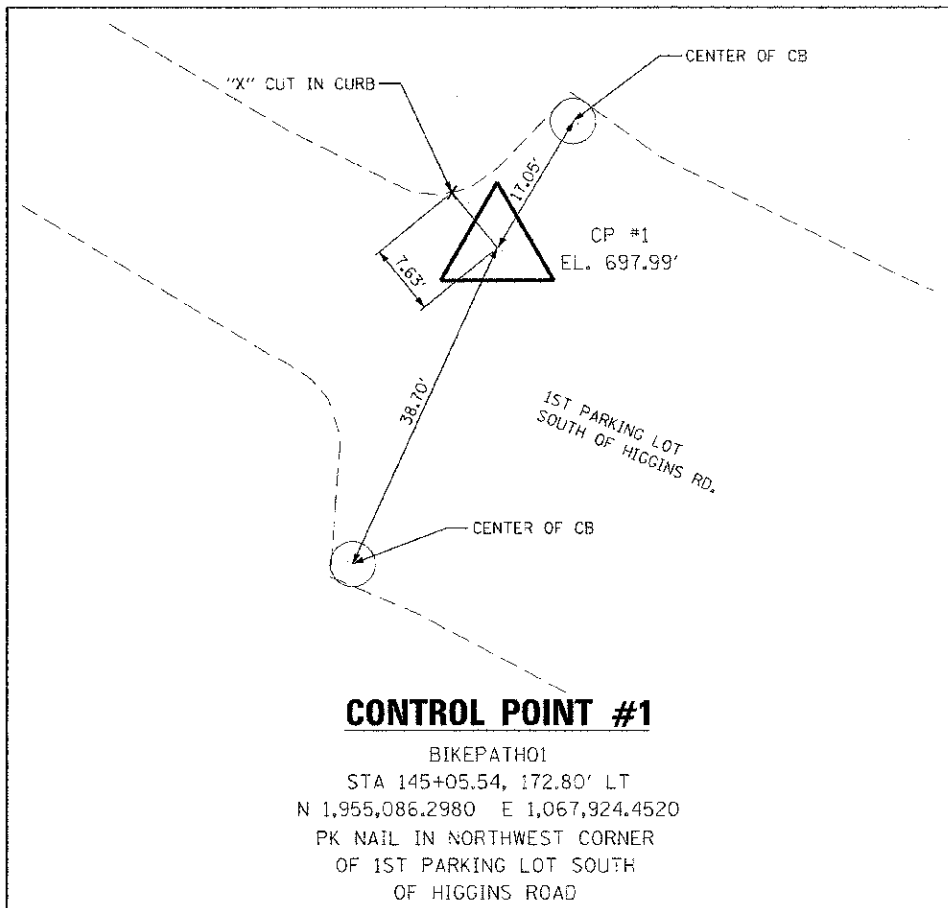
CONTROL POINT SUMMARY

NAME	NORTHING	EASTING	DESCRIPTION
CP #1	1955086.298	1067924.452	FOUND PK NAIL NORTHWEST CORNER OF 1ST PARKING LOT SOUTH OF HIGGINS ROAD.
CP #3	1955447.882	1067588.258	SET MAG NAIL SOUTHEAST CORNER OF 1ST PARKING LOT ENTRANCE AND MAIN ENTRANCE DRIVEWAY.
CP #9	1955941.342	1067987.206	SET MAG NAIL IN BIKE PATH EAST OF I-290 RAMP NORTH OF HIGGINS ROAD.
CP #10	1955837.138	1068195.030	SET MAG NAIL IN BIKE PATH EAST OF I-290 RAMP NORTH OF HIGGINS ROAD.
CP #11	1955674.269	1067807.215	SET MAG NAIL @ OF 1ST ENTRANCE EAST OF I-290 RAMP SOUTH SIDE OF HIGGINS ROAD.

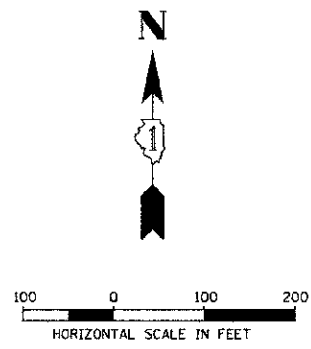
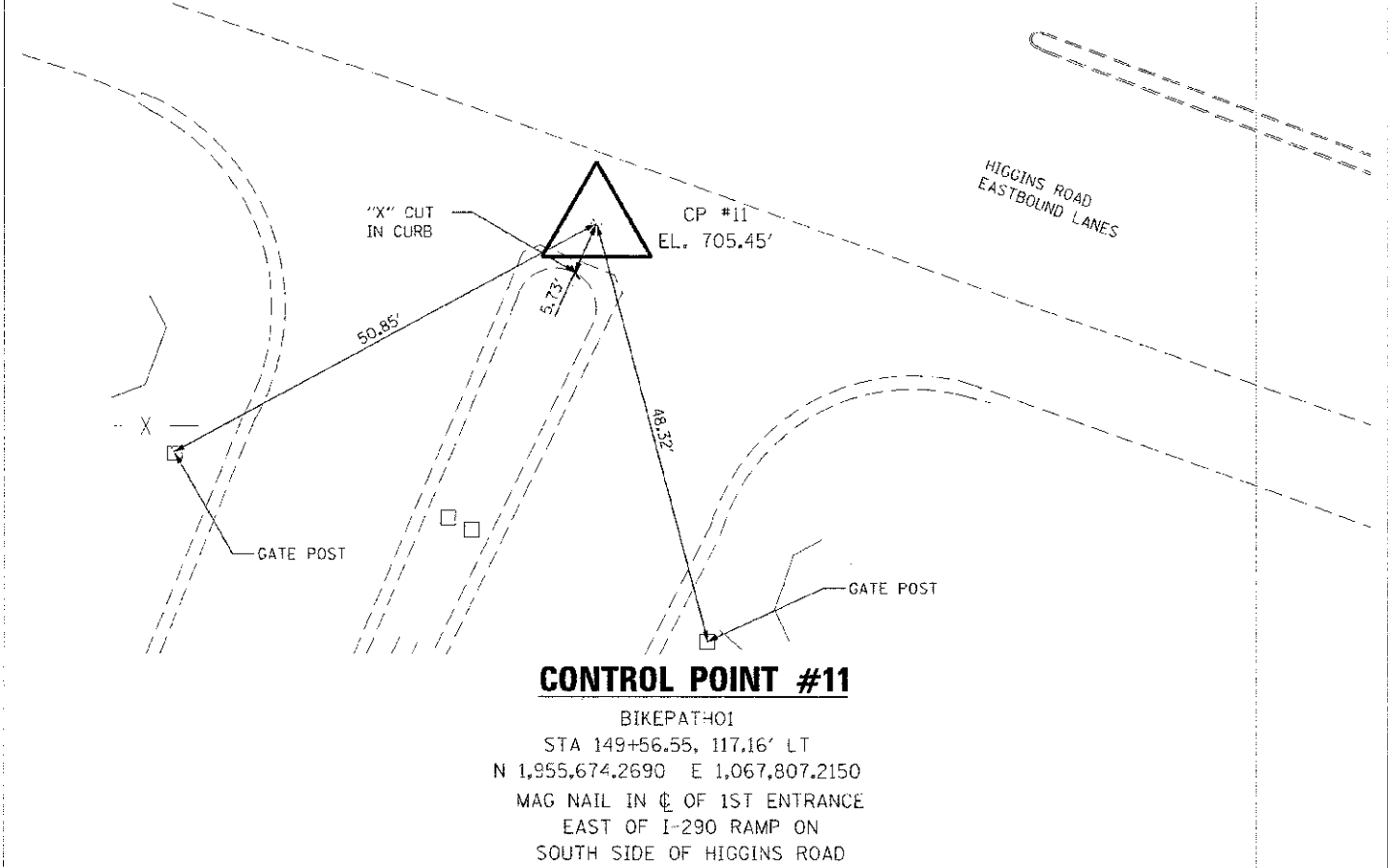
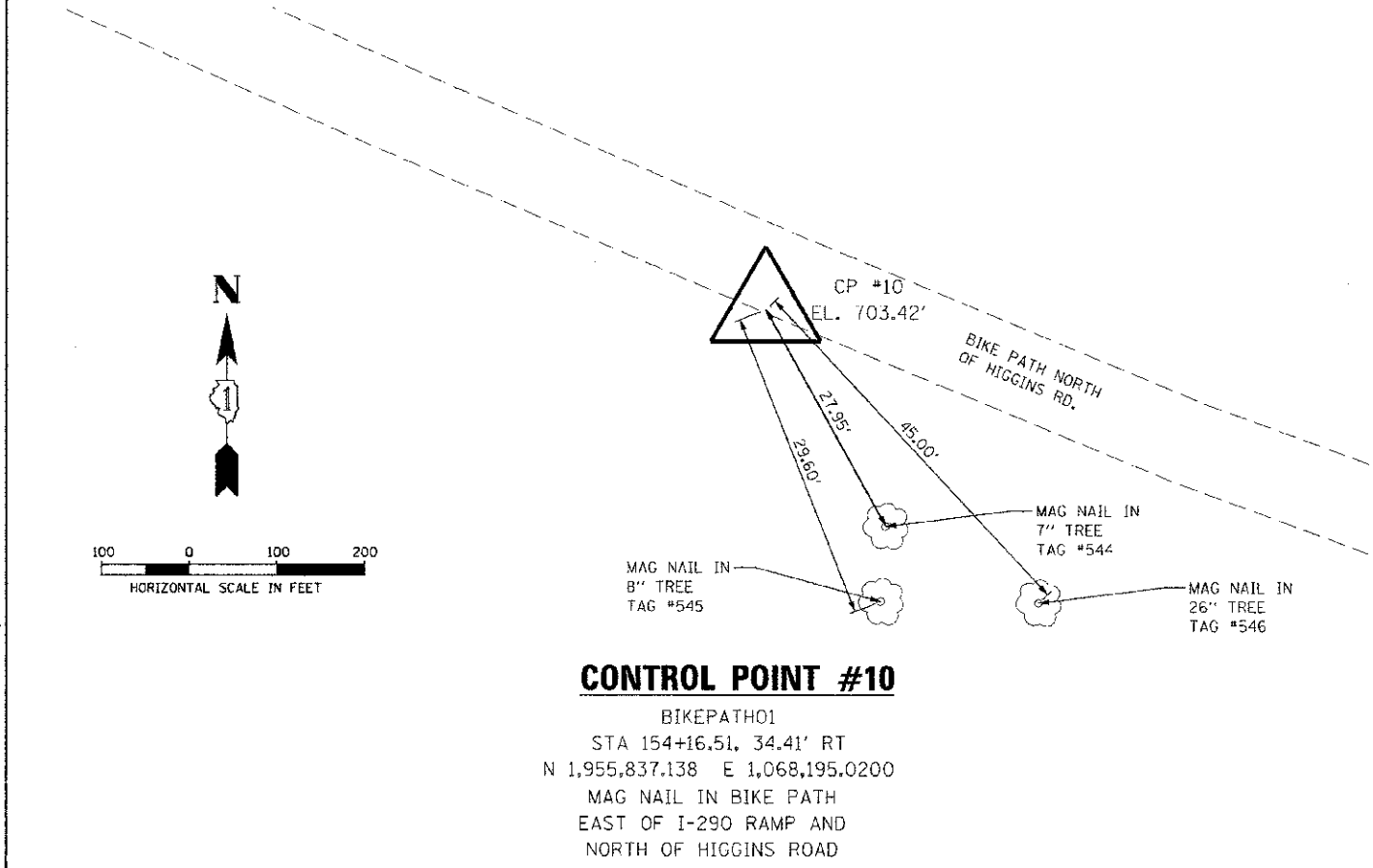
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VERTICAL = NAVD 88

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	SCALE: SHEET NAME: STA. TO STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

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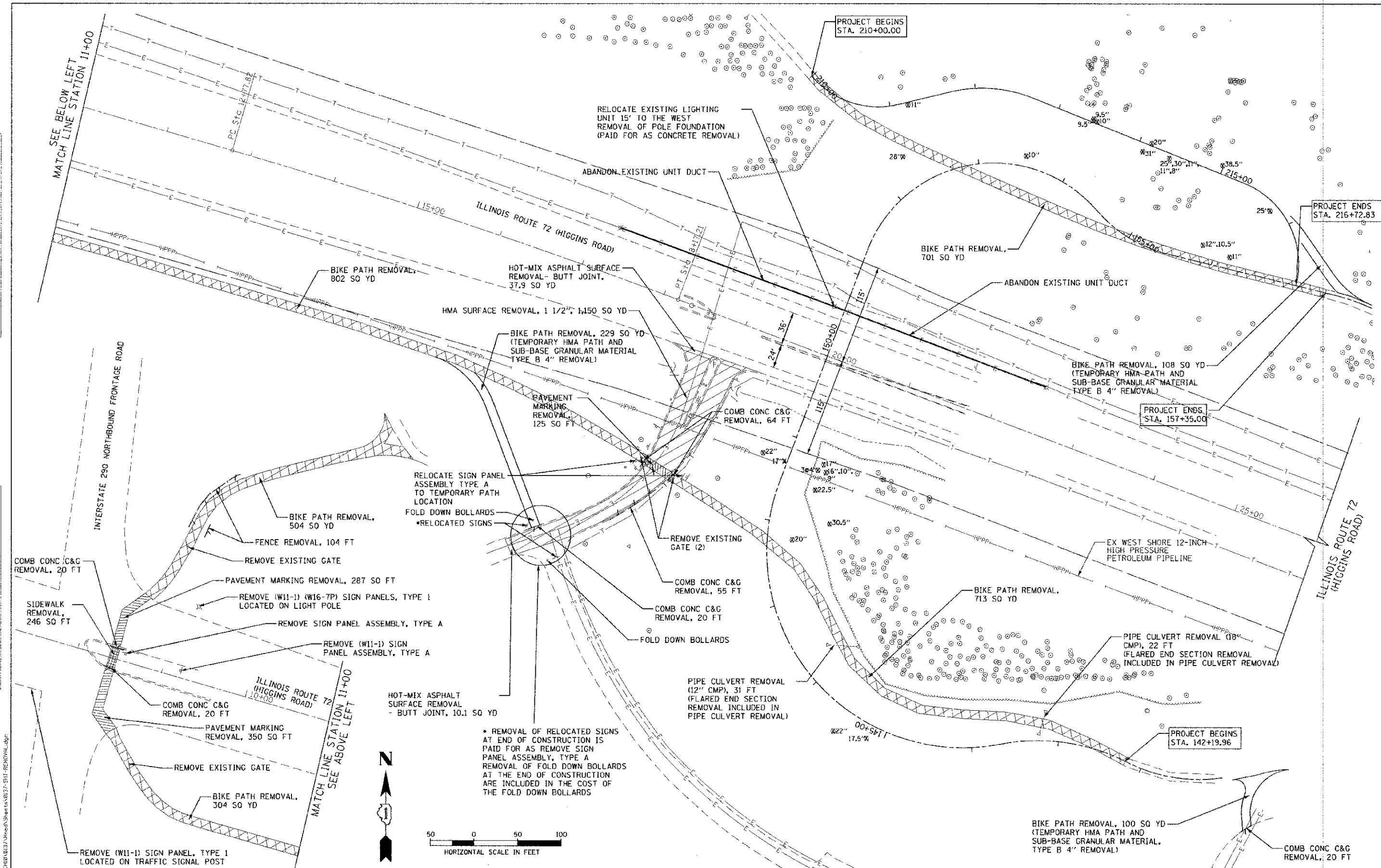


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	FILE = 0337-SHT-01B.dwg	DRAWN - CEC	REVISED -		SCALE:	SHEET NAME:	STA. TO STA.	CONTRACT NO. 63809 FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT			
PLCT SCALE = 1/8" = 100.0000'	CHECKED - DWB	REVISED -	PLST DATE = 2/13/2013	DATE = 02/04/2013	REVISED						

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

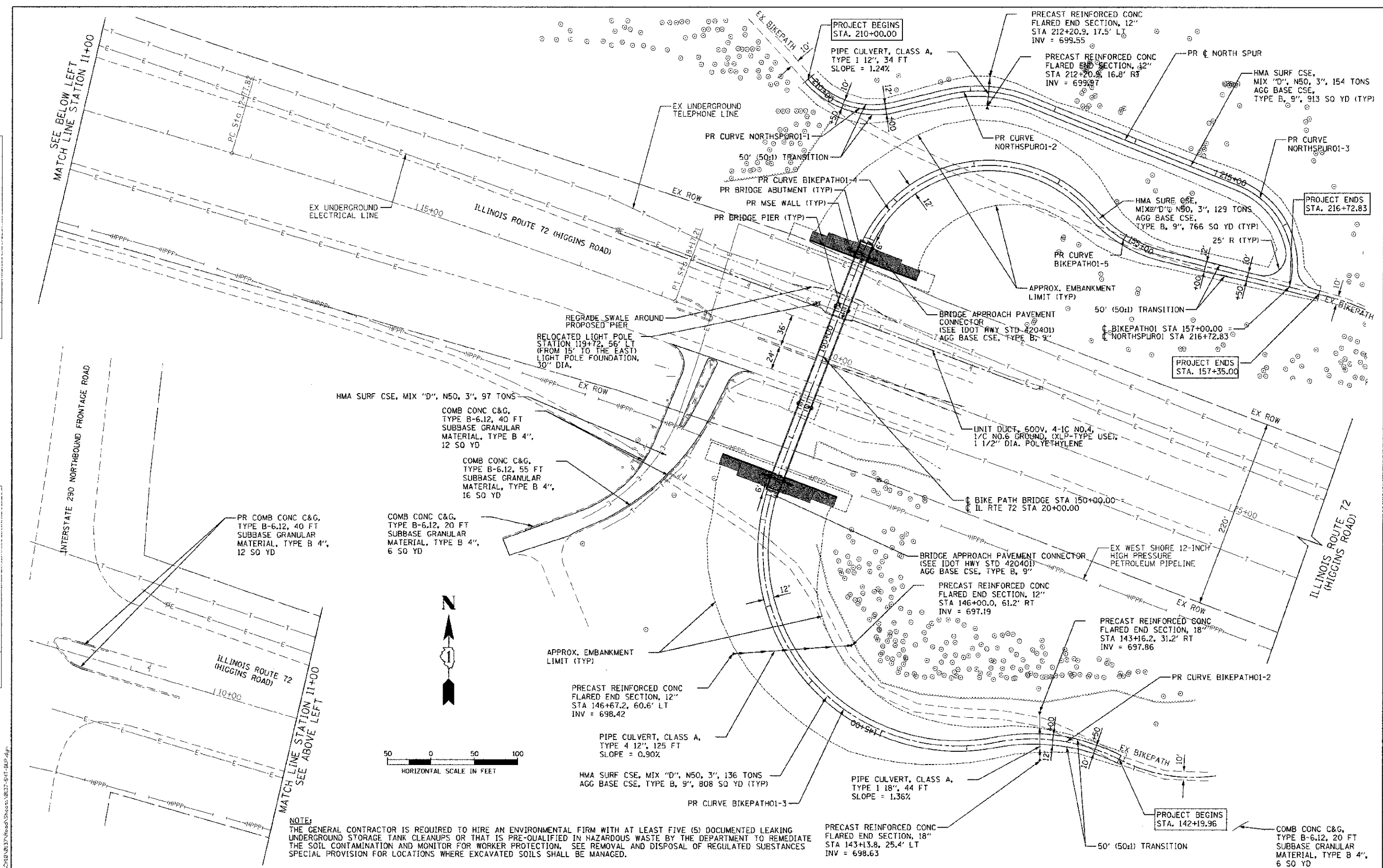
**BUSSE WOODS TRAIL OVERPASS
REMOVAL PLAN**

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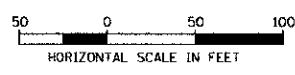
F.A.P. RTE. 341	SECTION 09-00058-00-BT	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 7
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63809	

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NOTE:
 THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION. SEE REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES SPECIAL PROVISION FOR LOCATIONS WHERE EXCAVATED SOILS SHALL BE MANAGED.

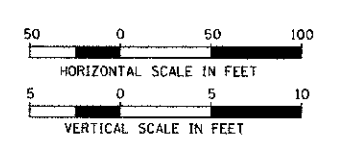
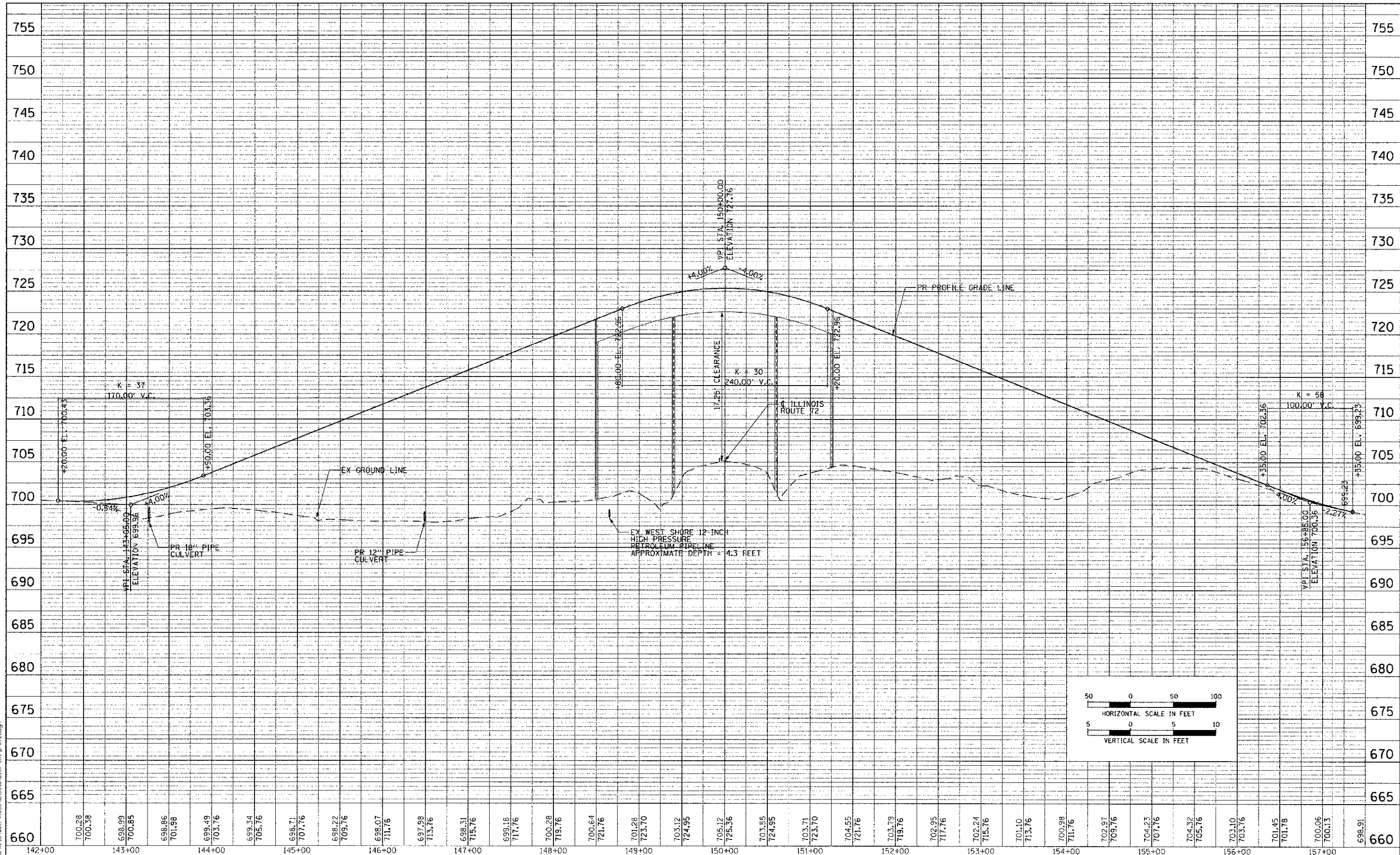


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BUSSE WOODS TRAIL OVERPASS IMPROVEMENT PLAN	
SCALE:	SHEET NAME:
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	09-00058-00-BT	COOK	43	8
CONTRACT NO. 63809				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



FILE NAME: G:\C:\Users\mcsantafor\Documents\137\137-1\137-1.dwg

142+00	700.28	700.38	698.99	700.85	698.86	701.98	699.49	703.76	699.34	705.76	698.71	707.76	698.22	709.76	698.07	711.76	697.98	713.76	698.31	715.76	699.18	717.76	700.28	719.76	700.64	721.76	701.28	723.70	703.12	724.95	705.12	725.36	703.55	724.95	703.71	723.70	704.55	721.76	703.73	719.76	702.95	717.76	702.24	715.76	701.10	713.76	700.98	711.76	702.97	709.76	704.23	707.76	704.32	705.76	703.10	703.76	701.45	701.78	700.06	700.13	698.91	660
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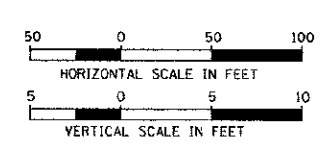
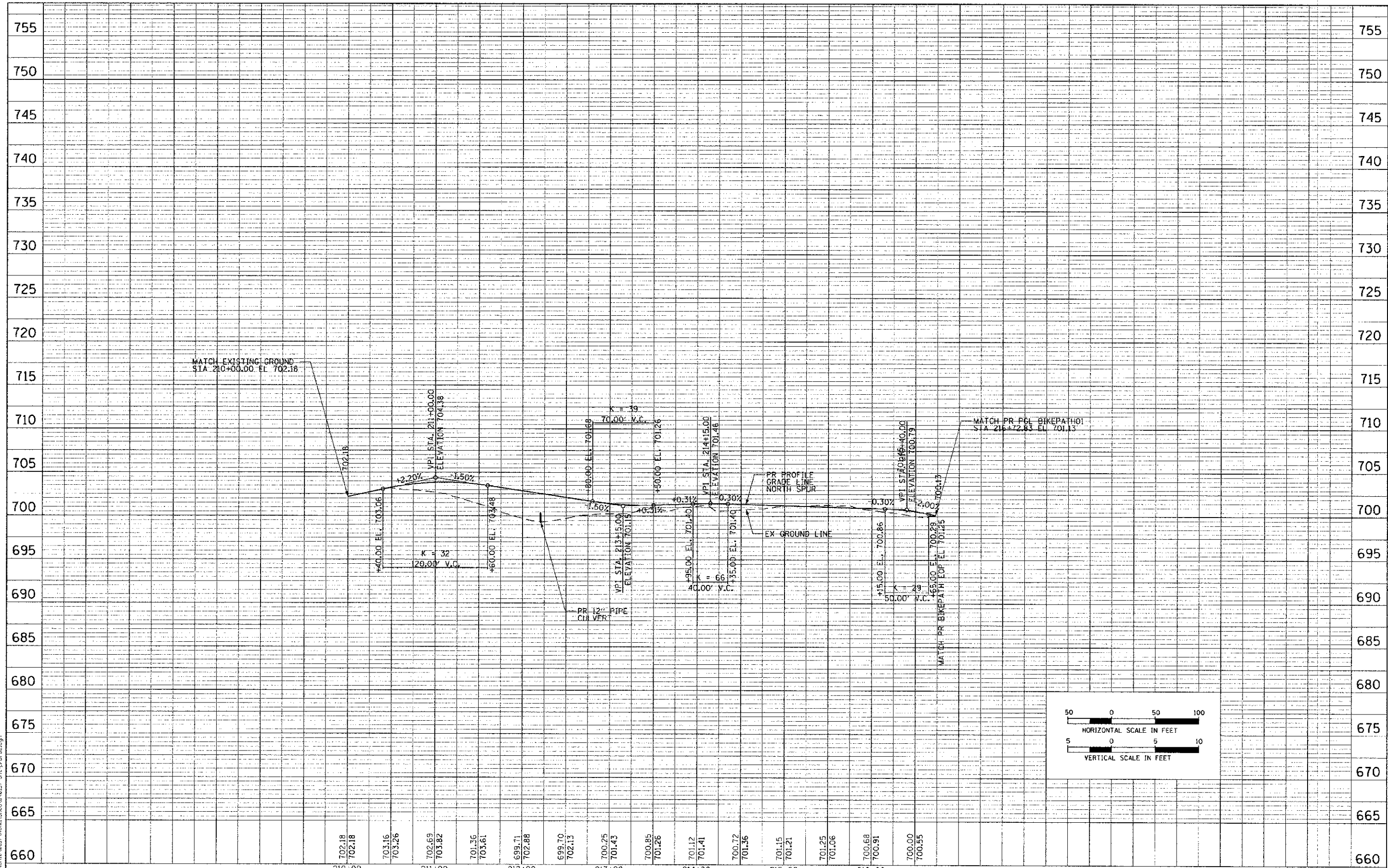
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	PLOT SCALE = 5/8" = 1'	CHECKED - RPJ	REVISED -						
	PLOT DATE = 2/13/2013	DATE = 02/04/2013	REVISED -						
	SCALE: 1" = 50' SHEET NO. 9 OF 43 SHEETS STA. 142+20.00 TO STA. 157+35.00								

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00058-00-BT	COOK	43	9
CONTRACT NO. 63809				
ILLINOIS FED. AID PROJECT				

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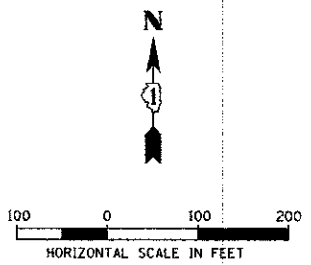
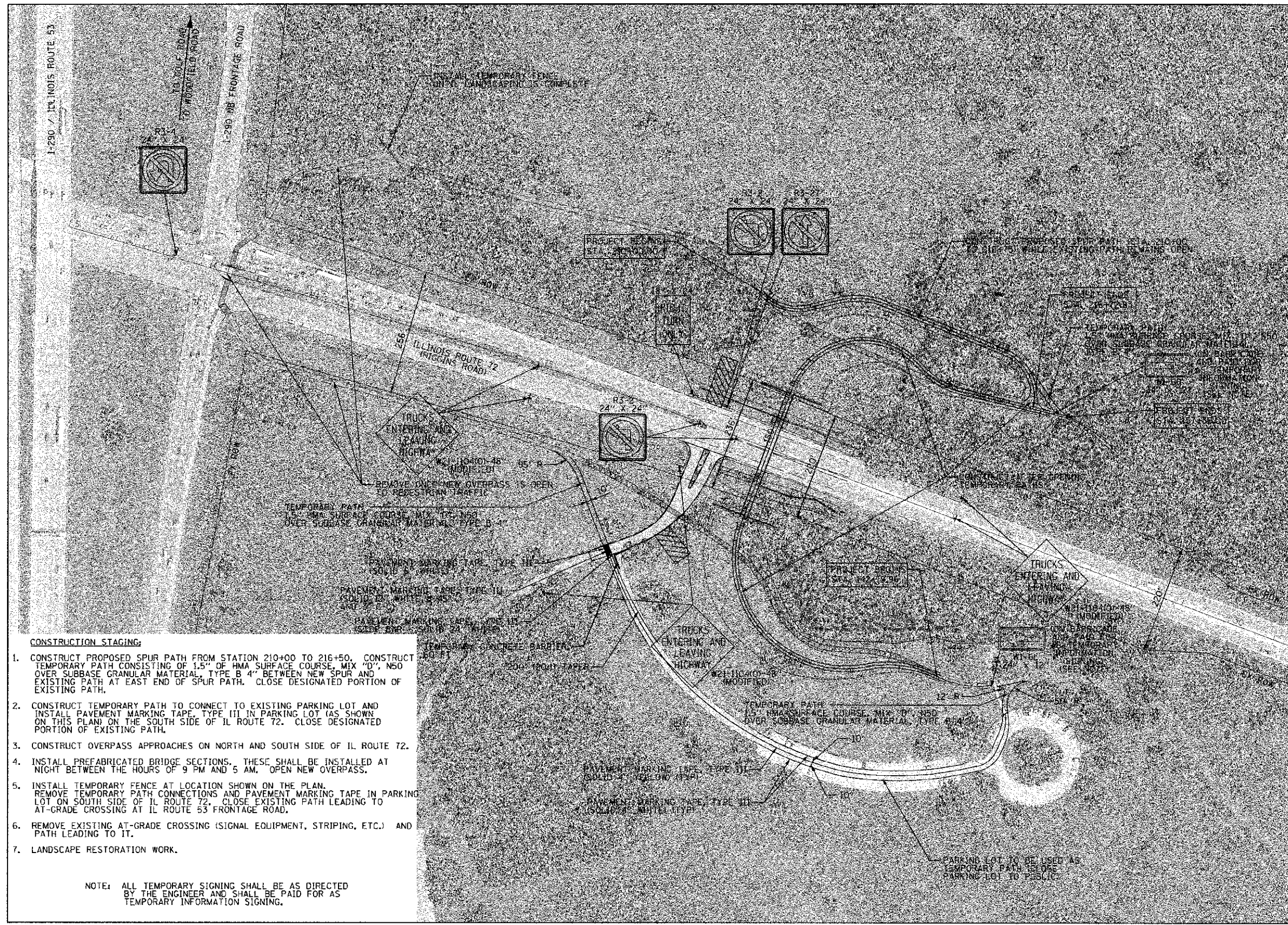


	USER NAME = mdoon@ford	DESIGNED RPJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUSSE WOODS TRAIL OVERPASS OVER ILLINOIS ROUTE 72 PROPOSED PROFILE - NORTH SPUR	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE = 02/04/2013	REVISED -			SCALE: 1" = 50'			SHEET NO. 10 OF 43 SHEETS	STA. 210+00.00 TO STA. 216+72.83

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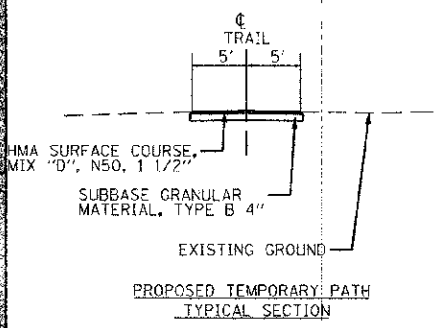
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- CONSTRUCTION STAGING:**
1. CONSTRUCT PROPOSED SPUR PATH FROM STATION 210+00 TO 216+50. CONSTRUCT TEMPORARY PATH CONSISTING OF 1.5" OF HMA SURFACE COURSE, MIX "D", N50 OVER SUBBASE GRANULAR MATERIAL, TYPE B 4" BETWEEN NEW SPUR AND EXISTING PATH AT EAST END OF SPUR PATH. CLOSE DESIGNATED PORTION OF EXISTING PATH.
 2. CONSTRUCT TEMPORARY PATH TO CONNECT TO EXISTING PARKING LOT AND INSTALL PAVEMENT MARKING TAPE, TYPE III IN PARKING LOT (AS SHOWN ON THIS PLAN) ON THE SOUTH SIDE OF IL ROUTE 72. CLOSE DESIGNATED PORTION OF EXISTING PATH.
 3. CONSTRUCT OVERPASS APPROACHES ON NORTH AND SOUTH SIDE OF IL ROUTE 72.
 4. INSTALL PREFABRICATED BRIDGE SECTIONS. THESE SHALL BE INSTALLED AT NIGHT BETWEEN THE HOURS OF 9 PM AND 5 AM. OPEN NEW OVERPASS.
 5. INSTALL TEMPORARY FENCE AT LOCATION SHOWN ON THE PLAN. REMOVE TEMPORARY PATH CONNECTIONS AND PAVEMENT MARKING TAPE IN PARKING LOT ON SOUTH SIDE OF IL ROUTE 72. CLOSE EXISTING PATH LEADING TO AT-GRADE CROSSING AT IL ROUTE 53 FRONTAGE ROAD.
 6. REMOVE EXISTING AT-GRADE CROSSING (SIGNAL EQUIPMENT, STRIPING, ETC.) AND PATH LEADING TO IT.
 7. LANDSCAPE RESTORATION WORK.

NOTE: ALL TEMPORARY SIGNING SHALL BE AS DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.



USER NAME = mdcanteford	DESIGNED = CEC	REVISED =
FILE = 0837-SHT-DET.DWG	DRAWN = CEC	REVISED =
PLT SCALE = 1/8" = 1' 0"	CHECKED = DWB	REVISED =
PLT DATE = 2/13/2013	DATE = 02/04/2013	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

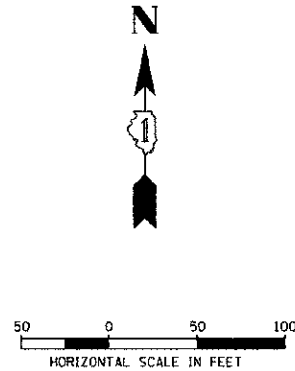
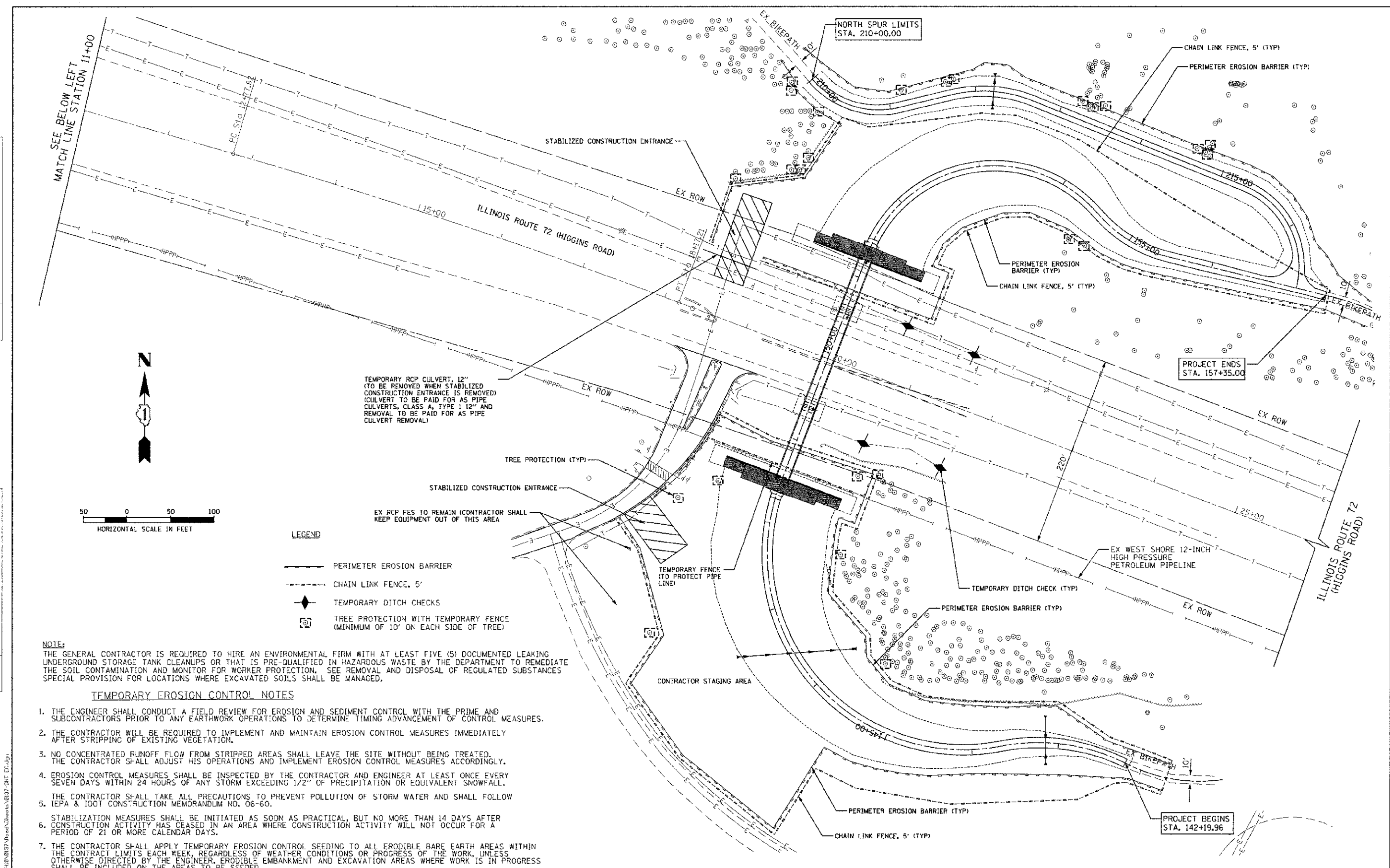
BUSSE WOODS TRAIL OVERPASS OVER ILLINOIS ROUTE 72
CONSTRUCTION STAGING AND TRAIL DETOUR

SCALE: 1" = 100' SHEET NAME: STA. TO STA.

F.A.P. RTE. 341	SECTION 09-00058-00-BT	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 11
CONTRACT NO. 63809			FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT	

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- LEGEND**
- PERIMETER EROSION BARRIER
 - - - CHAIN LINK FENCE, 5'
 - ◆ TEMPORARY DITCH CHECKS
 - ⊗ TREE PROTECTION WITH TEMPORARY FENCE (MINIMUM OF 10' ON EACH SIDE OF TREE)

NOTE:
 THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION. SEE REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES SPECIAL PROVISION FOR LOCATIONS WHERE EXCAVATED SOILS SHALL BE MANAGED.

TEMPORARY EROSION CONTROL NOTES

1. THE ENGINEER SHALL CONDUCT A FIELD REVIEW FOR EROSION AND SEDIMENT CONTROL WITH THE PRIME AND SUBCONTRACTORS PRIOR TO ANY EARTHWORK OPERATIONS TO DETERMINE TIMING ADVANCEMENT OF CONTROL MEASURES.
2. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES IMMEDIATELY AFTER STRIPPING OF EXISTING VEGETATION.
3. NO CONCENTRATED RUNOFF FLOW FROM STRIPPED AREAS SHALL LEAVE THE SITE WITHOUT BEING TREATED. THE CONTRACTOR SHALL ADJUST HIS OPERATIONS AND IMPLEMENT EROSION CONTROL MEASURES ACCORDINGLY.
4. EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR AND ENGINEER AT LEAST ONCE EVERY SEVEN DAYS WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2" OF PRECIPITATION OR EQUIVALENT SNOWFALL.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 06-60.
6. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL, BUT NO MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED IN AN AREA WHERE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.
7. THE CONTRACTOR SHALL APPLY TEMPORARY EROSION CONTROL SEEDING TO ALL ERODIBLE BARE EARTH AREAS WITHIN THE CONTRACT LIMITS EACH WEEK, REGARDLESS OF WEATHER CONDITIONS OR PROGRESS OF THE WORK, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ERODIBLE EMBANKMENT AND EXCAVATION AREAS WHERE WORK IS IN PROGRESS SHALL BE INCLUDED ON THE AREAS TO BE SEEDDED.



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

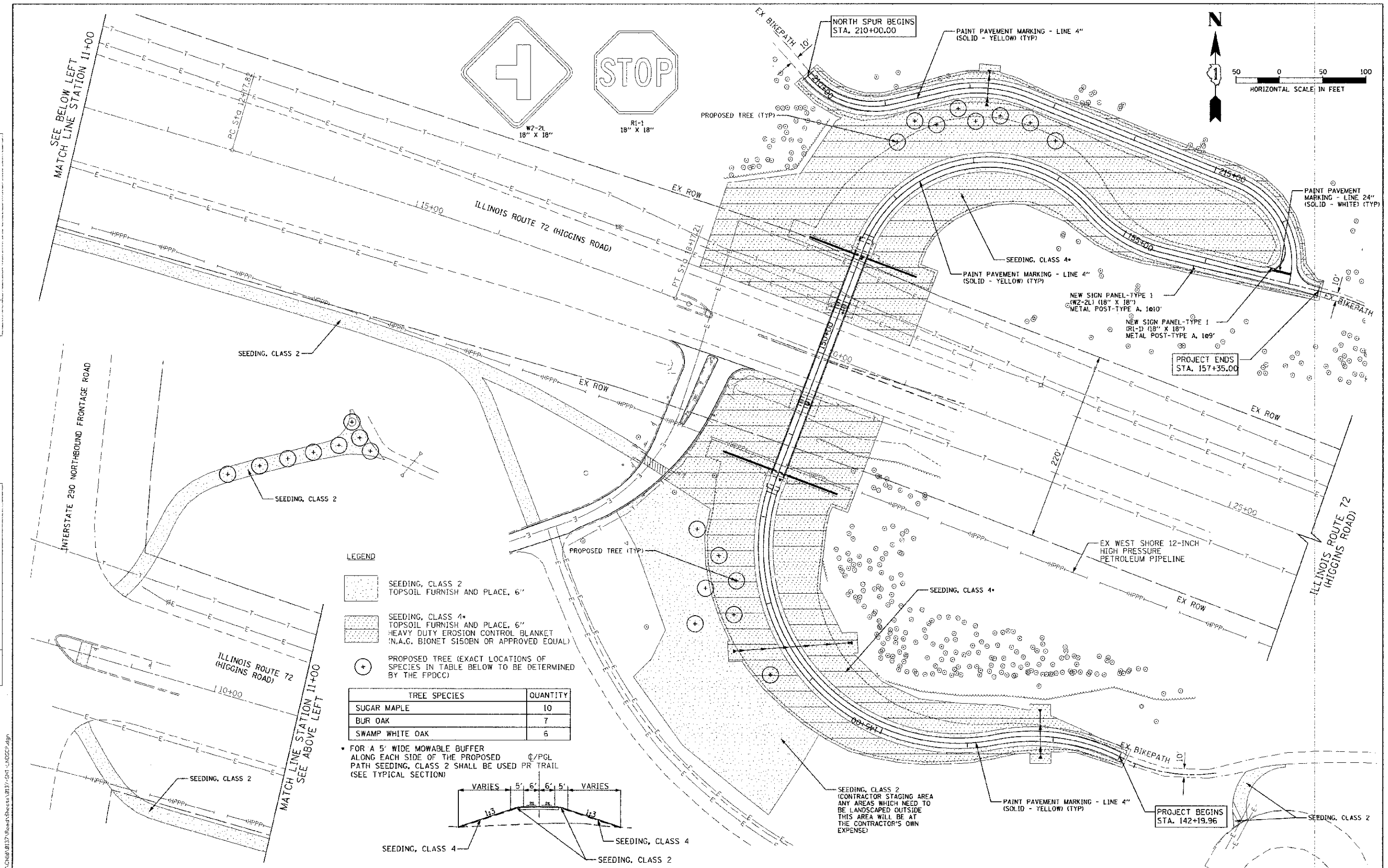
**BUSSE WOODS TRAIL OVERPASS
 EROSION AND SEDIMENT CONTROL PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	09-00058-00-B7	COOK	43	12
CONTRACT NO. 63809				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

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LEGEND

- SEEDING, CLASS 2
TOPSOIL FURNISH AND PLACE, 6"
- SEEDING, CLASS 4*
TOPSOIL FURNISH AND PLACE, 6"
HEAVY DUTY EROSION CONTROL BLANKET
(N.A.G. BIONEN SISOBN OR APPROVED EQUAL)
- PROPOSED TREE (EXACT LOCATIONS OF SPECIES IN TABLE BELOW TO BE DETERMINED BY THE FPDC)

TREE SPECIES	QUANTITY
SUGAR MAPLE	10
BLR OAK	7
SWAMP WHITE OAK	6

* FOR A 5' WIDE MOWABLE BUFFER ALONG EACH SIDE OF THE PROPOSED PATH SEEDING, CLASS 2 SHALL BE USED PR TRAIL (SEE TYPICAL SECTION)



USER NAME = mdoarteFord	DESIGNED - CEC	REVISED -
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MLU: SCALE = 50.0000 1/4" = 1'	CHECKED - DWB	REVISED -
PLOT DATE = 2/13/2013	DATE - 02/04/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUSSE WOODS TRAIL OVERPASS
TRAIL MARKING, SIGNING AND LANDSCAPING PLAN**

F.A.P. RTE. 341	SECTION 09-00058-00-BT	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 13
CONTRACT NO. 63809				
FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT				

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Busse Woods Trail System

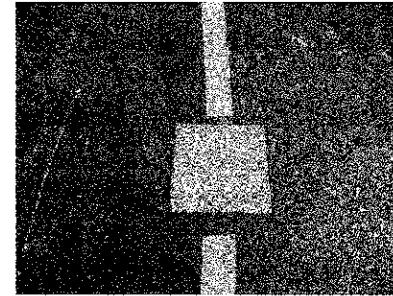
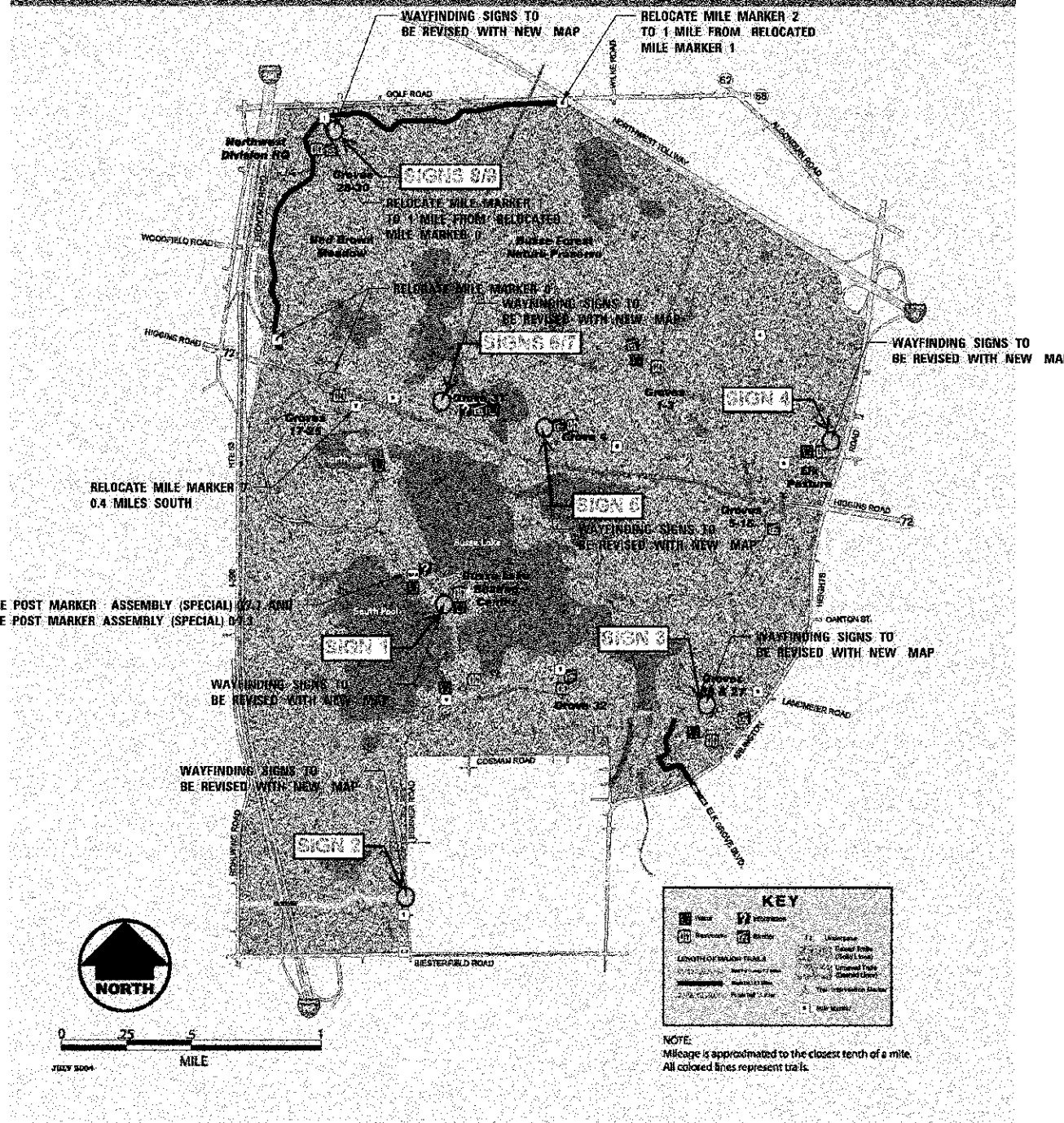


PHOTO OF MILE MARKER STAMP



PHOTO OF MILE POST MARKER ASSEMBLY (SPECIAL)

SIGN SCHEDULE

SIGN DESCRIPTION	QUANTITY
SIGN PANEL - TYPE 3	216 SQ FT
REMOVE SIGN PANEL - TYPE 3	216 SQ FT
* REMOVE EXISTING SIGN SUPPORT	9 EACH
* SIGN SUPPORT SPECIAL	9 EACH
MILE POST MARKER ASSEMBLY (SPECIAL)	1
SIGN TO BE RELOCATED (MILE POST MARKER)	4

* ONLY IF NEEDED. THE SIGN SUPPORTS WILL ONLY BE REMOVED AND REPLACED IF THEY ARE IN POOR CONDITION. THE CONDITION OF THE SUPPORTS WILL BE DETERMINED BY THE FOREST PRESERVE DISTRICT OF COOK COUNTY.

PHOTO OF SIGN AND MARKER LOCATIONS
(FOR PHOTO OF EACH SIGN SEE SHEET 15)

DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY



DESIGNED - CEC	REVISD -
DRAWN - CEC	REVISD -
CHECKED - DWB	REVISD -
DATE - 02/04/2013	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUSSE WOODS TRAIL OVERPASS
SIGN DETAILS

F.A.P. RTE. 341	SECTION 09-00058-00-BT	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 14
CONTRACT NO. 63809				

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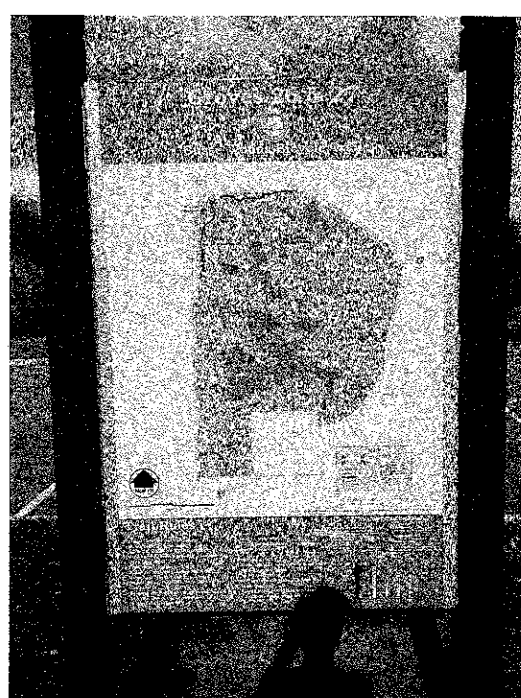
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NOTE BOOK	LOCATED	CHECKED
	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	



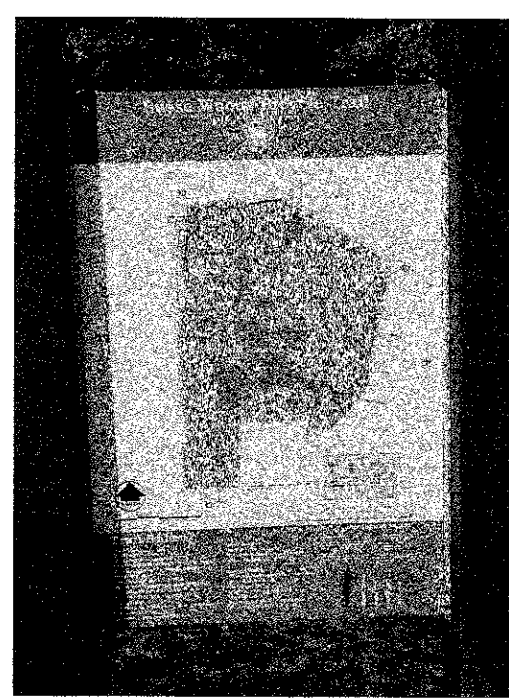
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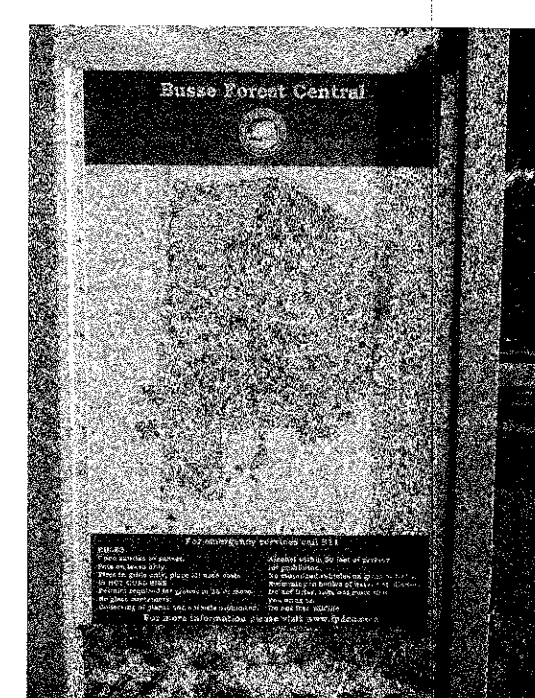
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EXISTING
SIGN 3

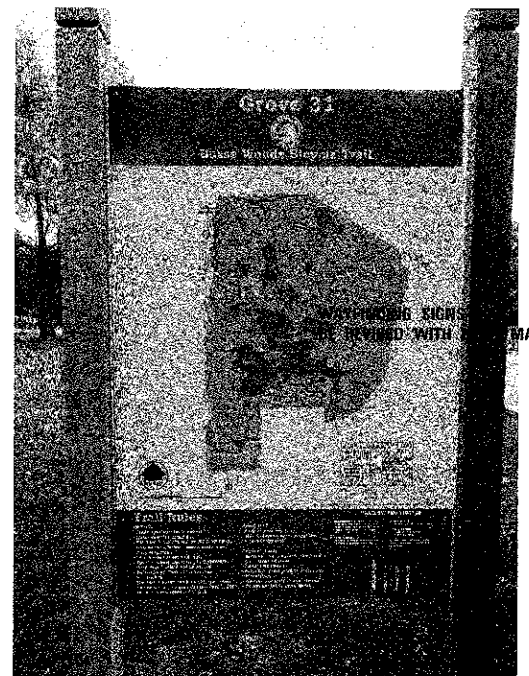


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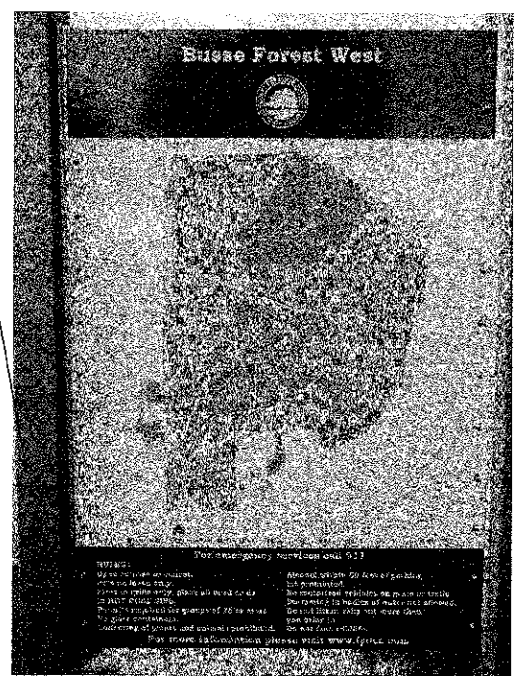


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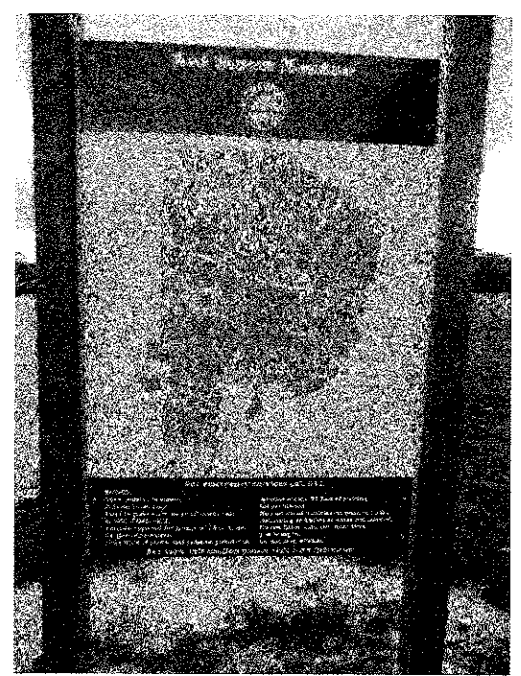
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	DATE	



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SIGN 6



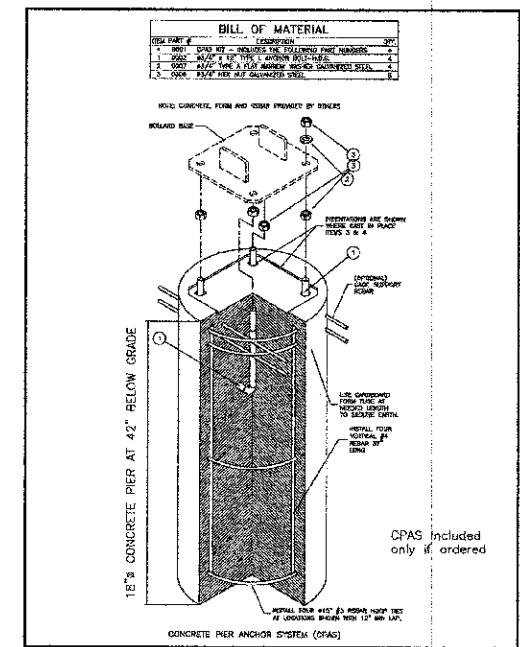
EXISTING
SIGN 7



EXISTING
SIGN 8



EXISTING
SIGN 9



CONCRETE PIER ANCHOR SYSTEM
FOR RELOCATED BOLLARDS

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PLOT DATE = 2/15/2013	DATE - 02/04/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET NAME:		STA.	TO STA.
BUSSE WOODS TRAIL OVERPASS		SIGN LOCATION AND BOLLARD CPAS DETAILS			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63809				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

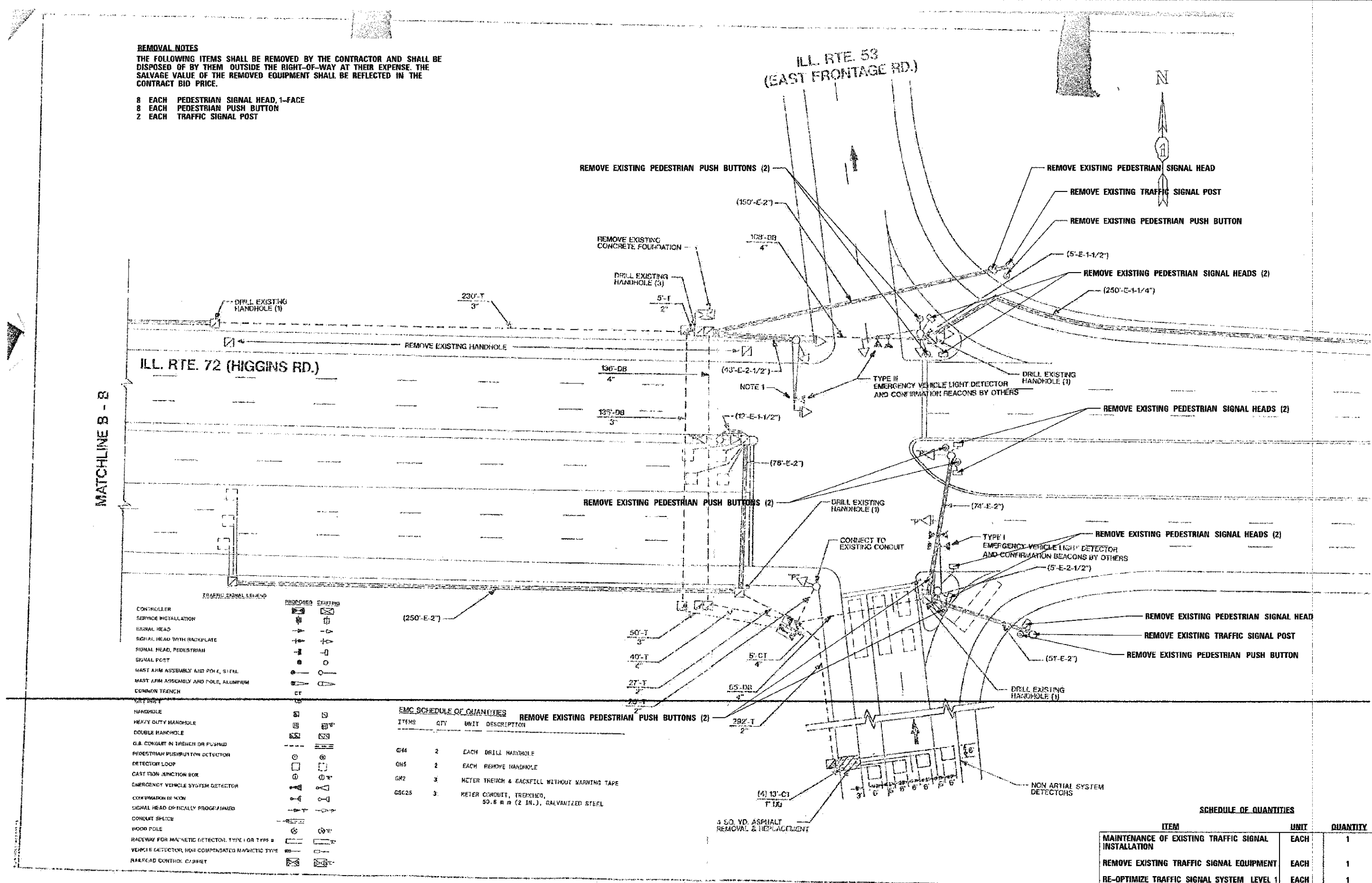
REMOVAL NOTES
 THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 8 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 8 EACH PEDESTRIAN PUSH BUTTON
- 2 EACH TRAFFIC SIGNAL POST

PLAN	REMOVED	DATE
NOTE BOOK	BY: [Signature]	
NO.	DATE CHECKED	
	BY: [Signature]	
	DATE CHECKED	
	BY: [Signature]	
	DATE CHECKED	

PROFILE	REMOVED	DATE
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	BY: [Signature]	
	DATE CHECKED	
	BY: [Signature]	
	DATE CHECKED	

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EMC SCHEDULE OF QUANTITIES

ITEMS	QTY	UNIT	DESCRIPTION
GH4	2	EACH	DRILL HANDHOLE
GH5	2	EACH	REMOVE HANDHOLE
GM2	3	METER TRENCH & BACKFILL WITHOUT WARNING TAPE	
GSC25	3	METER CONDUIT, TRENCHED, 50.6 mm (2 IN.), GALVANIZED STEEL	

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BUSSE WOODS TRAIL OVERPASS
 PEDESTRIAN SIGNALS REMOVAL

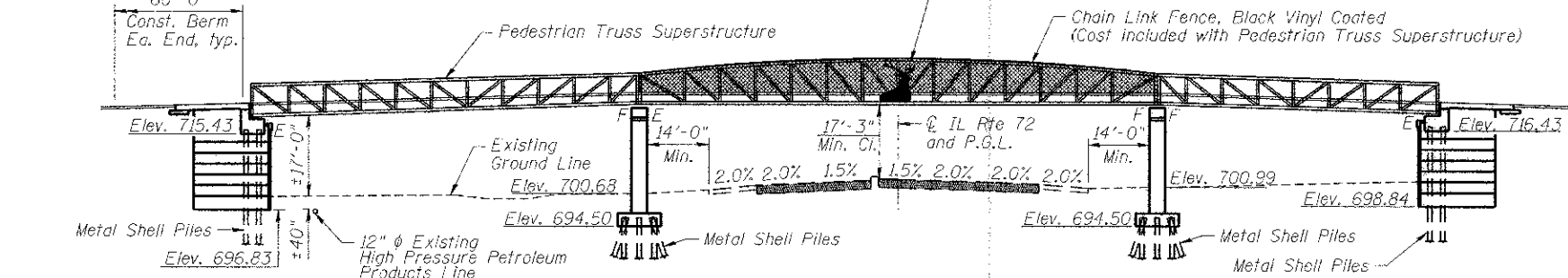
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63809				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

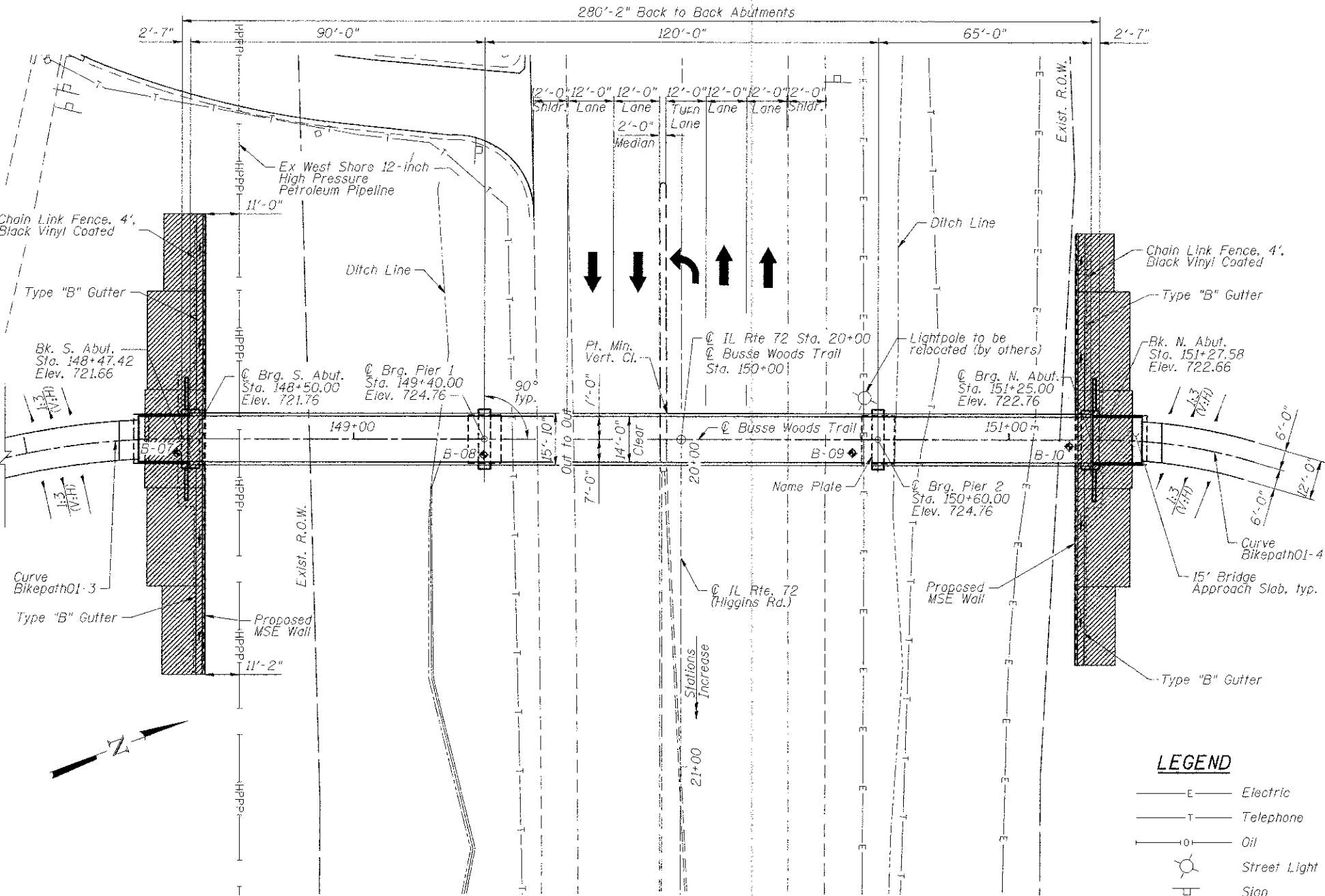
Bench Mark: P.K nail in Northwest of first parking lot South at Higgins Road Elev. 697.99

Existing Structure: None. IL Rte. 72 (Higgins Rd.) traffic to be maintained utilizing Stage Construction.

No Salvage



ELEVATION

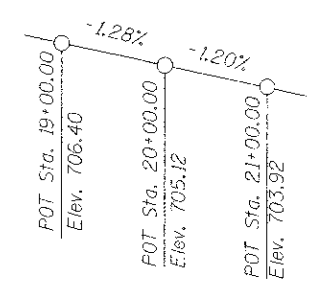


PLAN

NAME PLATE
See Std. 515001
* Name of bridge to be furnished by the Village of Elk Grove Village

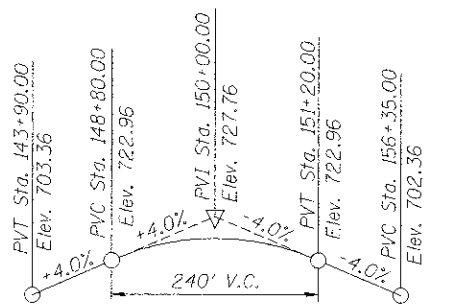
NAME PLATE
See Std. 515001

* Name of bridge to be furnished by the Village of Elk Grove Village

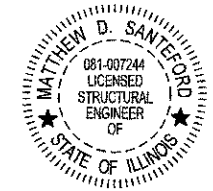


PROFILE GRADE
Along IL Rte 72

CURVE DATA BIKEPATH01-3		CURVE DATA BIKEPATH01-4	
P.I. Sta. = 147+70.73	$\Delta = 121^\circ 45' 06''$ (RT)	P.I. Sta. = 153+78.92	$\Delta = 116^\circ 10' 49''$ (RT)
D = 25° 27' 53"	R = 225.00'	D = 36° 57' 54"	R = 155.00'
T = 403.84'	L = 478.12'	T = 248.92'	L = 314.30'
E = 237.29'	P.C. Sta. = 143+66.88	E = 138.24'	P.C. Sta. = 151+30.00
	P.T. Sta. = 148+45.00		P.T. Sta. = 154+44.30



PROFILE GRADE
Along Busse Woods Trail



Matthew D. Santeford 02-27-2013
MATTHEW D. SANTEFORD, P.E., S.E.
NO. 081-007244
EXP. DATE 11/30/2014

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current 'AASHTO LRFD Bridge Design Specifications'."

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Matthew D. Santeford
Engineer of Structures

LOADING
Pedestrian Live Load = 90 psf
Vehicle Live Load = H-10

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

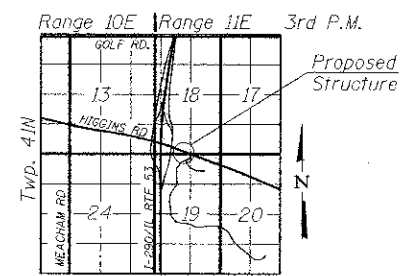
2009 AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi (Cast-in-Place)
f'c = 4,500 psi (Precast)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W) Truss

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.084 g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.147 g
Soil Site Class = D



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
BUSSE WOODS TRAIL OVER
IL. RTE 72 (HIGGINS RD.)
F.A.P. ROUTE 0341
SECTION 09-00058-00-BT
COOK COUNTY
STATION 150+00.00
STRUCTURE NUMBER 016-6921

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PLDT DATE = 2/27/2013	DRAWN - JDC	REVISD -
	CHECKED - WJC	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE. 0341	SECTION 09-00058-00-BT	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 18
			CONTRACT NO. 63809	
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

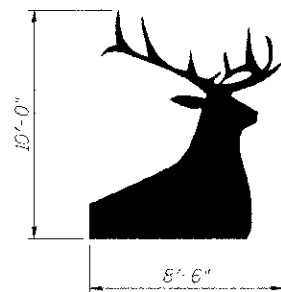
- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolt size shall be determined by the Contractor.
- All structural steel shall be AASHTO M270 Grade 50W (except expansion joints which shall be AASHTO M270 Grade 36).
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Concrete Sealer shall be applied to the designated areas of the exposed surfaces of the piers and abutments up to the back of backwall location.
- All structural steel and exposed surfaces of bearings within a distance of 10 ft. each way from the deck joints shall be painted as specified in Section 506 of the Standard Specifications.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Construction Vibration Monitoring is required for all pile driving operation. See Special Provisions.
- The West Shore 12-inch high pressure petroleum pipeline shall be protected according to the special provisions. The pipeline is shown as -o-o- on Sheet 1 of 13 and -WPP- in the remainder of the plans.

INDEX OF SHEETS

- General Plan and Elevation
- General Data
- Bridge Approach Slab Details
- Abutment Details
- 5-6 Pier Details
- 7 South MSE Plan and Elevation
- 8 North MSE Plan and Elevation
- Metal Shell Pile Details
- 10-17 Borings Logs

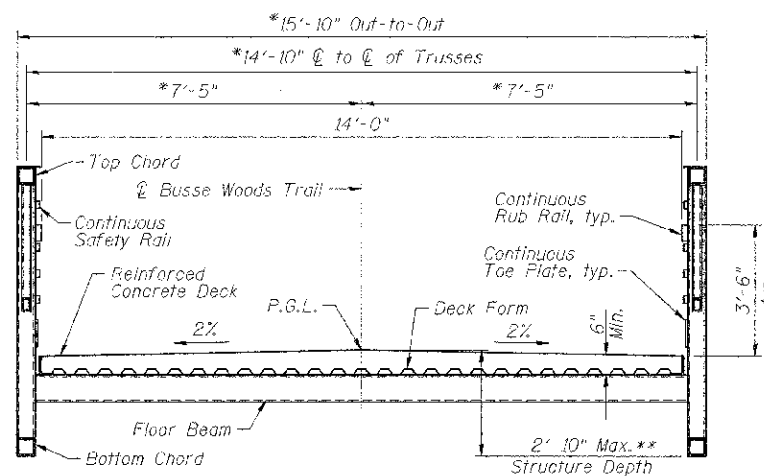
TRUSS MANUFACTURER

The substructure is designed per AASHTO LRFD and based on the assumed truss dead loads (including deck) shown below.
 Total factored superstructure dead load at South Abutment = 87,500 pounds.
 Total factored superstructure dead load at North Abutment = 62,500 pounds.
 Total factored superstructure dead load at Pier 1 = 215,313 pounds.
 Total factored superstructure dead load at Pier 2 = 190,313 pounds.
 Truss manufacturer shall camber the truss as necessary to provide allowance for dead load deflection.
 Bridge bearing seat elevations are subject to revision based on the approved pedestrian truss superstructure shop drawings. Contractor shall verify all dimensions and elevations with final shop drawings.
 Truss manufacturer shall provide the reinforced concrete deck design. Concrete deck to utilize stay-in-place galvanized forms. Reinforcement shall be epoxy coated. Contractor shall place the concrete deck after truss is set. Cost included with Pedestrian Truss Superstructure.

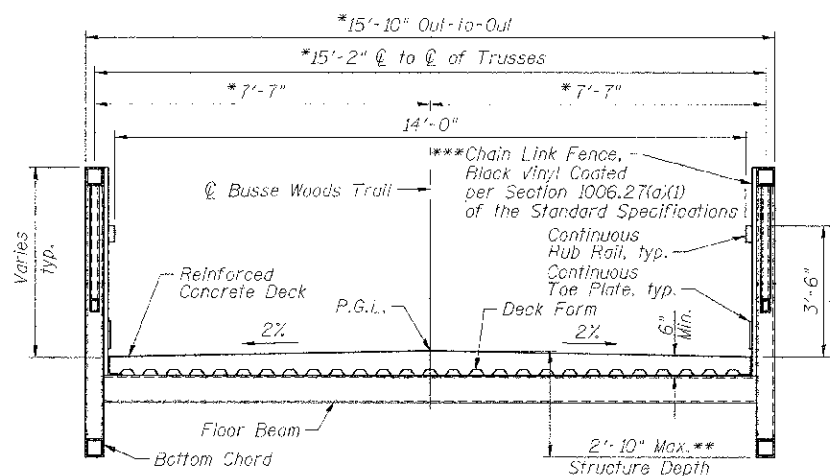


FURNISH AND ERECT SIGN PANEL

(The sign face color shall be black, each face, see Special Provisions)



CROSS SECTION THRU TRUSS
90 FT. AND 65 FT. SPAN



CROSS SECTION THRU TRUSS
120 FT. SPAN

TOTAL BILL OF MATERIAL

Item	Unit	Superstructure	Substructure	Total
Structure Excavation	Cu Yd	-	821	821
Concrete Structures	Cu Yd	-	144.6	144.6
Concrete Superstructure	Cu Yd	22.2	-	22.2
Protective Coat	Sq Yd	481	-	481
Reinforcement Bars, Epoxy Coated	Pounds	4,520	24,190	28,710
Furnishing Metal Shell Piles 12" x 0.250"	Foot	-	1,549	1,549
Driving Piles	Foot	-	1,549	1,549
Test Pile Metal Shells	Each	-	4	4
Name Plates	Each	-	1	1
Concrete Headwalls for Pipe Drains	Each	-	2	2
Concrete Sealer	Sq Ft	-	1,620	1,620
Chain Link Fence, 4'	Foot	-	262	262
Pedestrian Truss Superstructure	Sq Ft	3,850	-	3,850
Construction Vibration Monitoring	L Sum	-	1	1
Furnish and Erect Sign Panel	Sq Ft	170	-	170
Mechanically Stabilized Earth Retaining Wall	Sq Ft	-	3,346	3,346
Pipe Underdrains for Structures 6"	Foot	-	275	275

- Notes:
 * Subject to refinement per Truss Manufacturer
 ** Structure depth includes height of bearing
 Truss supplier shall provide joint covers over all open joints between span units and at abutments (typ. 4 locations).
 *** Cost of Chain Link Fence included with Pedestrian Truss Superstructure.

BILL OF MATERIAL

Item	Unit	Total
Protective Coat	Sq Yd	430
Pedestrian Truss Superstructure	Sq Ft	3,850

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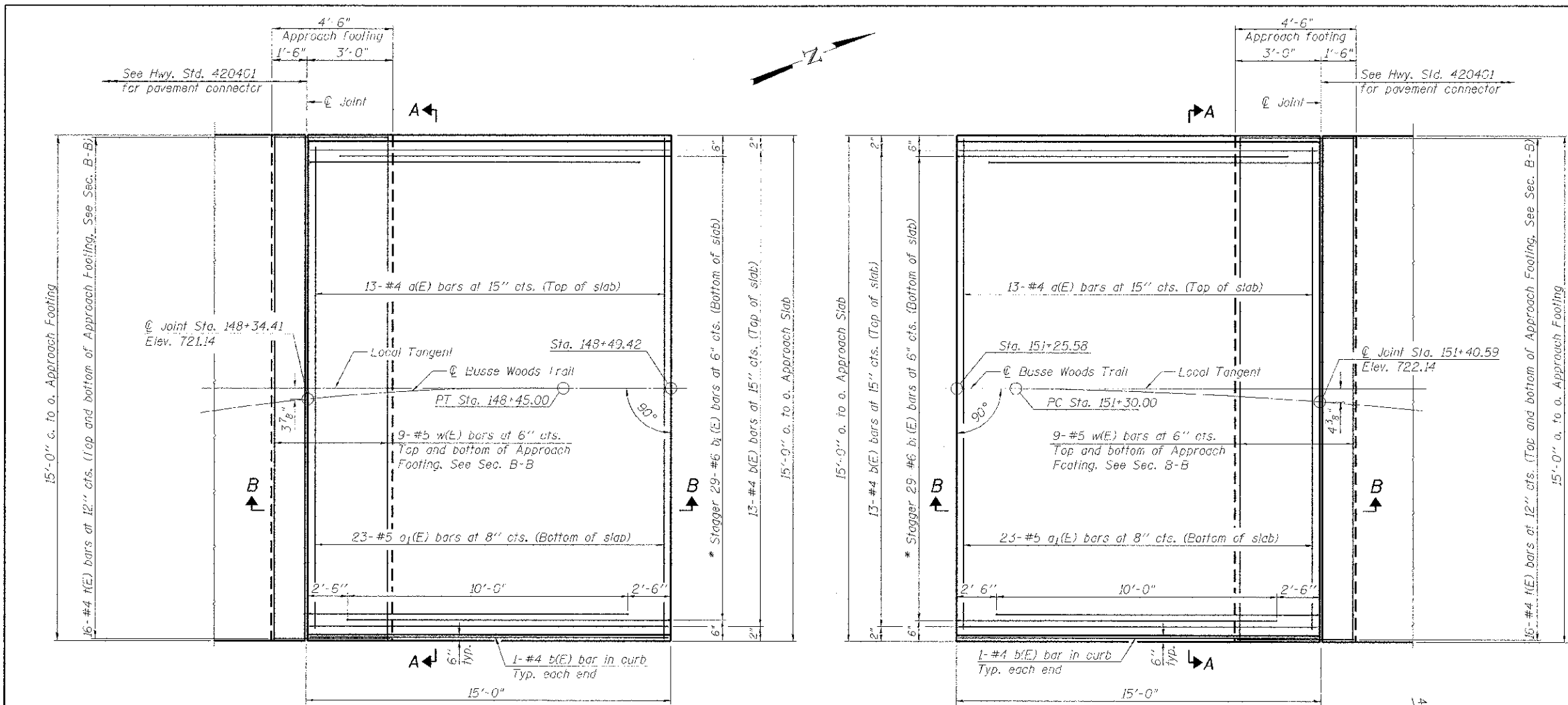
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 016-6921

SHEET NO. 2 OF 13 SHEETS

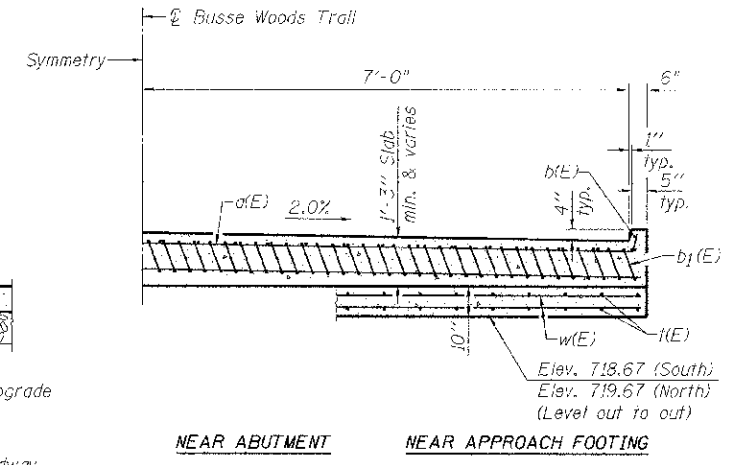
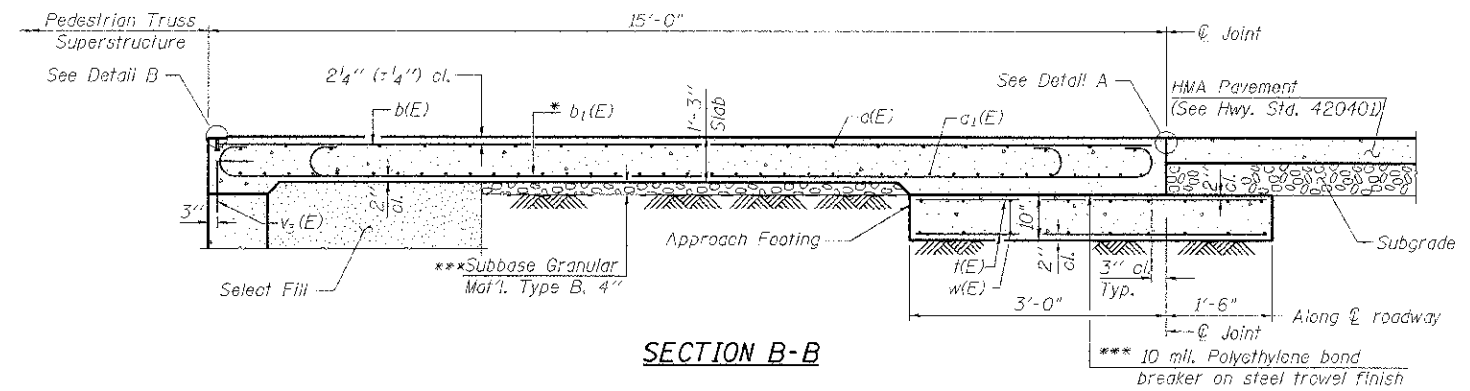
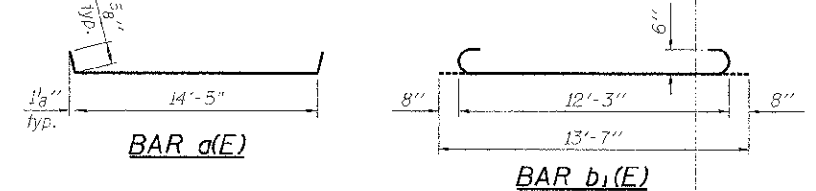
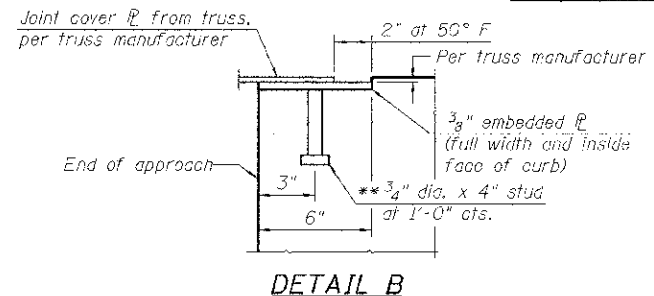
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CONTRACT NO. 63809			ILLINOIS FED. AID PROJECT	



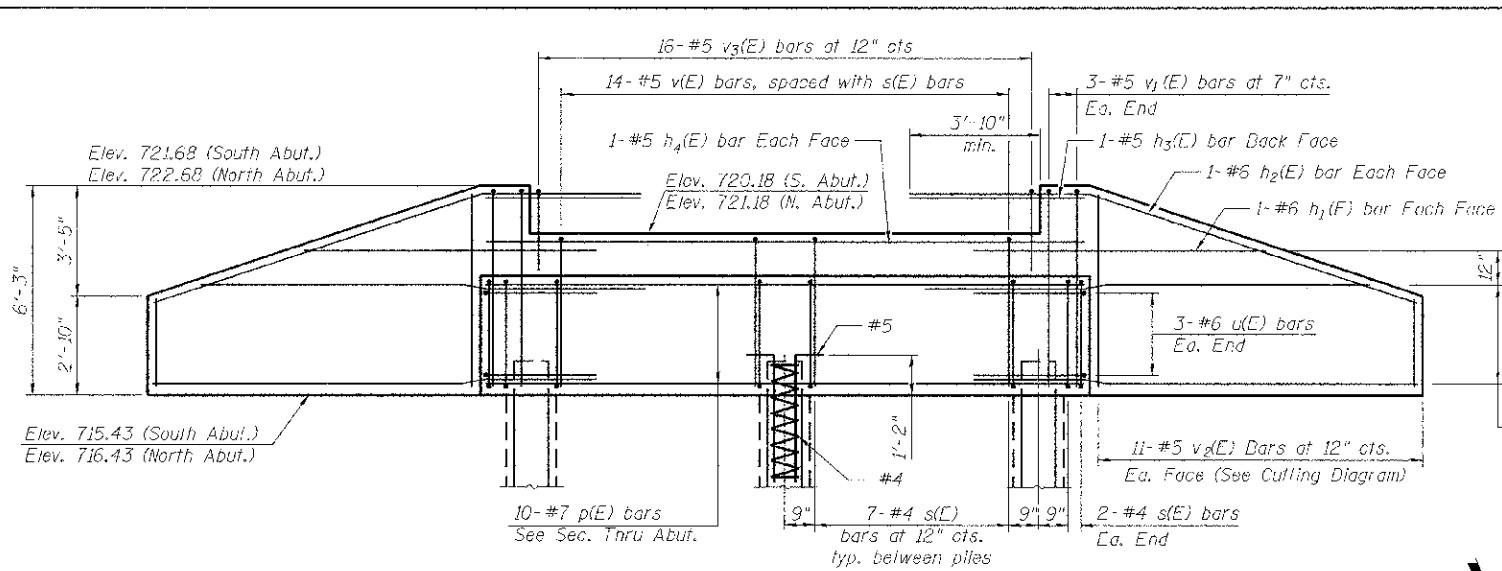
Notes:
 Approach slab concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 The approach footing maximum applied service bearing pressure (0max) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.

BILL OF MATERIAL

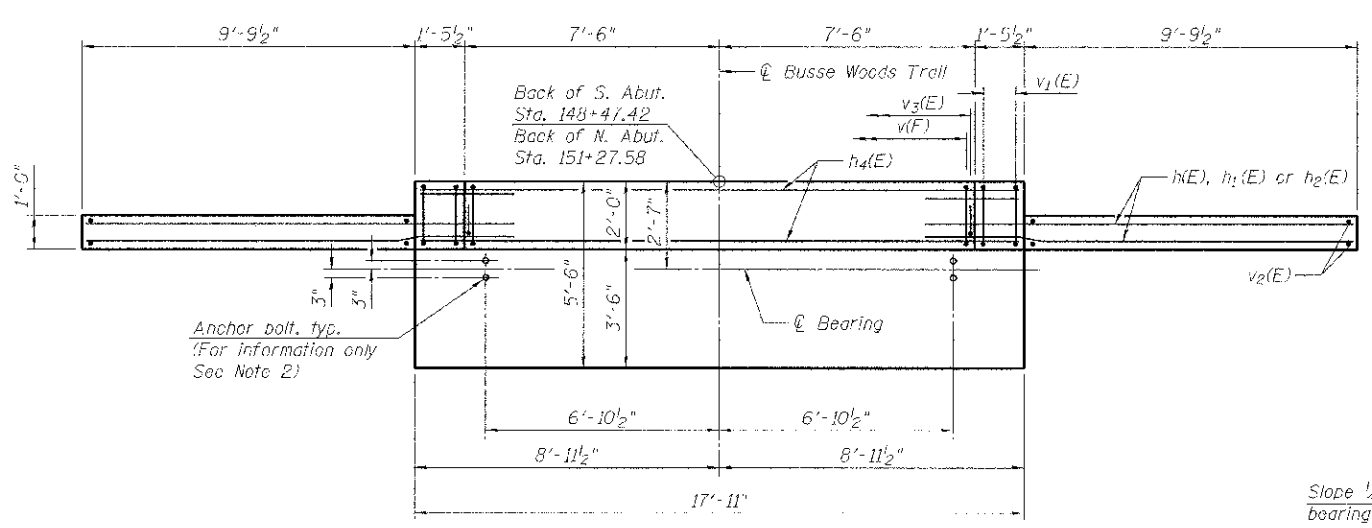
Bar	No.	Size	Length	Shape
d(E)	26	#4	15'-3"	U
a ₁ (E)	46	#5	14'-8"	U
b(E)	30	#4	14'-5"	U
b ₁ (E)	58	#6	13'-7"	U
w(E)	64	#4	4'-2"	U
w(E)	36	#5	14'-8"	U
Reinforcement Bars, Epoxy Coated		Pound	5,800	
Concrete Superstructure		Cu Yd	22.2	
Concrete Structures		Cu Yd	4.2	
Protective Coat		Sq Yd	51	



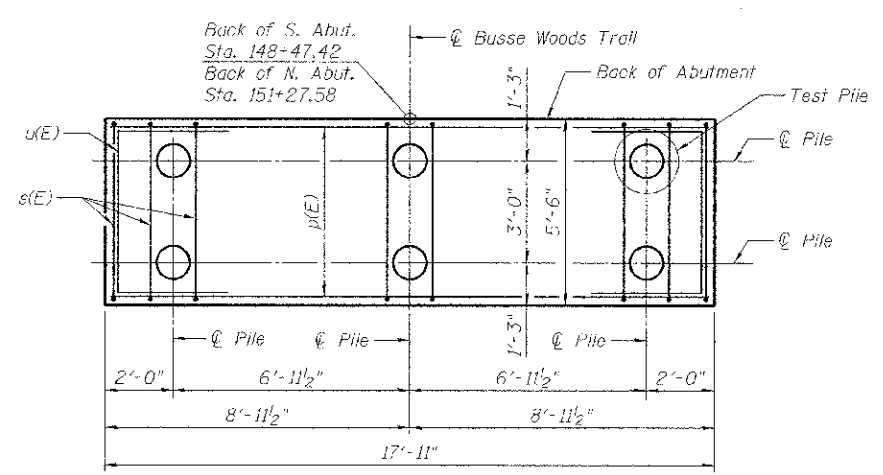
* Tilt #6 b₁(E) bars as required to maintain clearance.
 ** Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.
 *** Cost included with Concrete Superstructure.



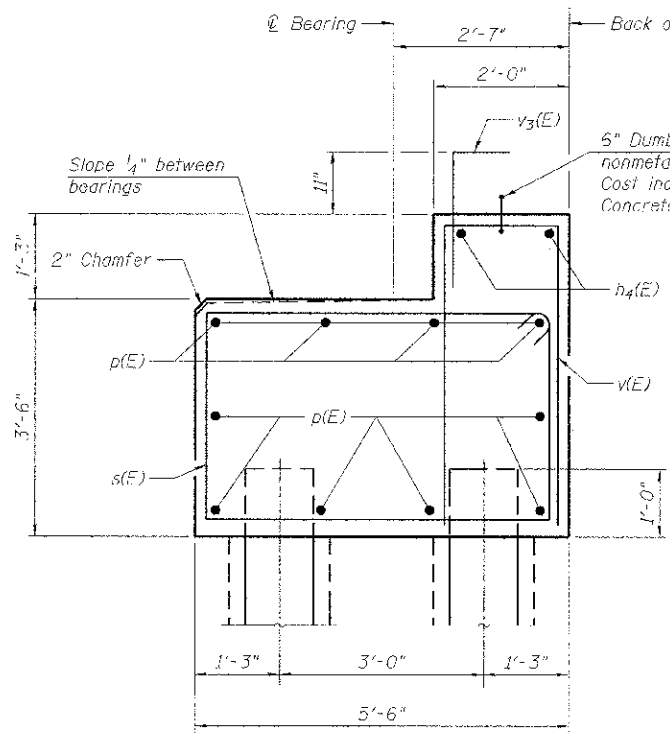
ELEVATION



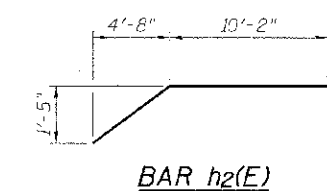
TOP VIEW



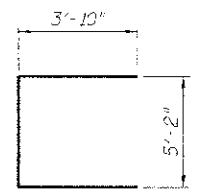
PLAN-PILE CAP



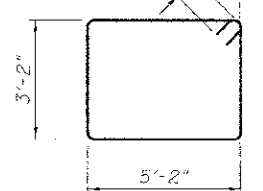
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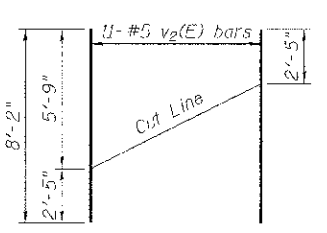
BAR h2(E)



BAR u(E)

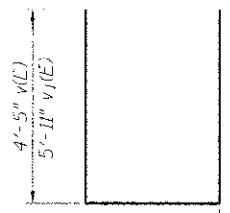


Bar s(E)

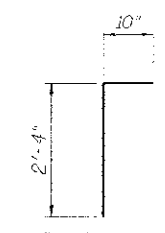


BAR v2(E)

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR v(E), v1(E)



BAR v3(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	12'-11"	—
h1(E)	8	#6	8'-4"	—
h2(E)	8	#6	15'-0"	—
h3(E)	4	#5	4'-5"	—
h4(E)	4	#5	17'-7"	—
p(E)	20	#7	17'-7"	—
s(E)	36	#4	17'-5"	□
u(E)	12	#6	12'-10"	□
v(E)	28	#5	10'-6"	U
v1(E)	12	#5	13'-6"	U
v2(E)	44	#5	8'-2"	—
v3(E)	32	#5	3'-2"	—
Concrete Structures	Cu Yd		35.5	
Reinforcement Bars, Epoxy Coated	Pound		3,320	
Furnishing Metal Shell Piles 12" x 0.250"	Foot		685	
Driving Piles	Foot		685	
Test Pile Metal Shells	Each		2	
Concrete Sealer	Sq Ft		206	

PILE DATA

Type: Metal Shell-12 in. dia. x 0.25 in. walls
 Nominal Required Bearing: 255 Kips
 Factored Resistance Available: 140 Kips
 Est. Length: 72 ft. (S. Abut.)
 65 ft. (N. Abut.)
 No. Production Piles: 5 per Abutment
 No. Test Piles: 1 per Abutment
 The piles at the South Abutment shall be driven through 24" diameter precored holes extending to elevation 596.00 according to Article 512.09(c) of the Standard Specifications. Cost included in Driving Piles.

LEGEND

○ Denotes Vertical Metal Shell Pile

Notes:
 Concrete clear cover shall be 2" minimum unless noted otherwise.
 Truss fabricator shall determine size and location of anchor bolts. Cost included with Pedestrian Truss Superstructure.
 All edges shall have standard 3/4" chamfers except as noted.
 Space reinforcement in cap to miss anchor bolts.
 For details of piles, see sheet 9 of 13.
 Minimum lap for #5 Bar = 3'-5", #6 Bar = 3'-10"
 Concrete Sealer shall be applied to the beam seat and frost face of backwall and stem.
 Truss fabricator shall provide a 1" nominal shim pack for each bearing consisting of a 1/2", 1/4" and 2-1/8" shim plates matching the dimensions of the masonry plate provided, including holes for anchor bolts. Cost included in the cost of Pedestrian Truss Superstructure.

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 PLOT DATE = 2/13/2013

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 CHECKED - JST
 DRAWN - JDG
 CHECKED - MDS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ABUTMENT DETAILS
 STRUCTURE NO. 016-6921
 SHEET NO. 4 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	09-00058-00-BT	COOK	43	21

CONTRACT NO. 63809
 ILLINOIS FED. AID PROJECT

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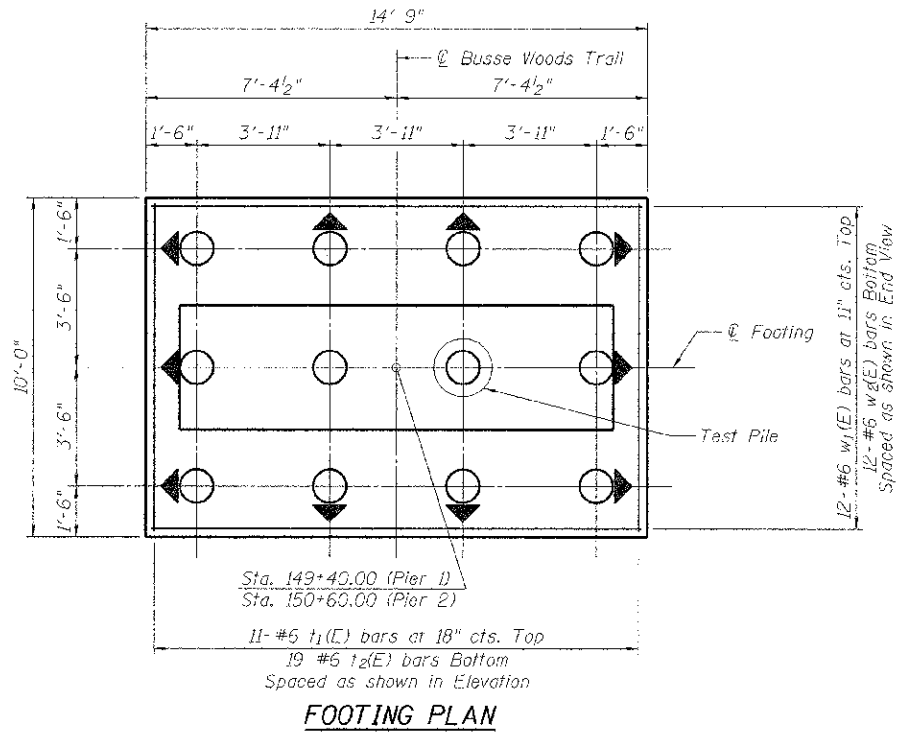
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PLDT DATE = 2/13/2013	DRAWN - JDG	REVISED -
	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER DETAILS
STRUCTURE NO. D16-6921**

SHEET NO. 6 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	09-00058-00-BT	COOK	43	23
CONTRACT NO. 63809			ILLINOIS FED. AID PROJECT	

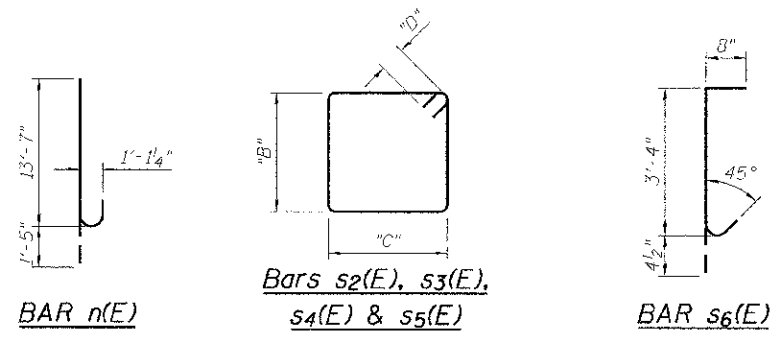
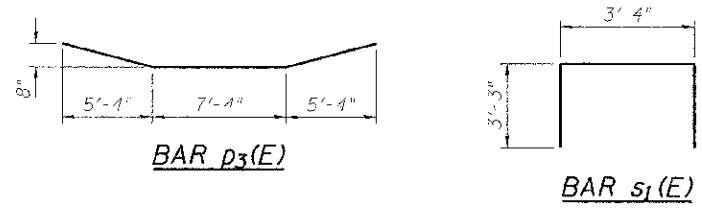


PILE DATA

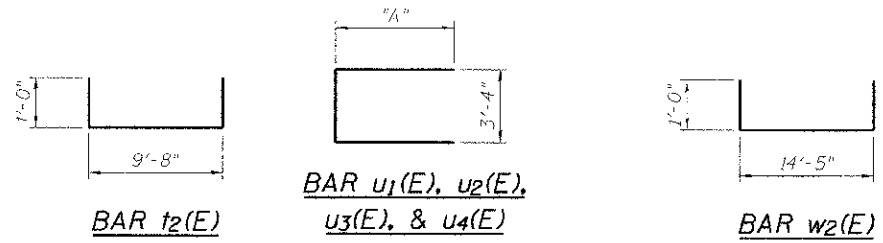
Type: Metal Shell-12 in. dia. x 0.250 in. walls
 Nominal Required Bearing: 255 Kips
 Factored Resistance Available: 140 Kips
 Est. Length: 33 ft (Pier 1)
 35 ft (Pier 1) 3V:1H
 41 ft (Pier 2)
 44 ft (Pier 2) 3V:1H
 No. Production Piles: 11 per Pier
 No. Test Piles: 1 per Pier

LEGEND

- Denotes direction of Metal Shell Pile battered 3:1
- Denotes Vertical Metal Shell Pile



Bar	"B"	"C"	"D"
s2(E)	2'-6"	3'-4"	5 1/2"
s3(E)	2'-4"	3'-4"	5 1/2"
s4(E)	2'-1"	3'-4"	5 1/2"
s5(E)	7'-0"	3'-4"	4 1/2"

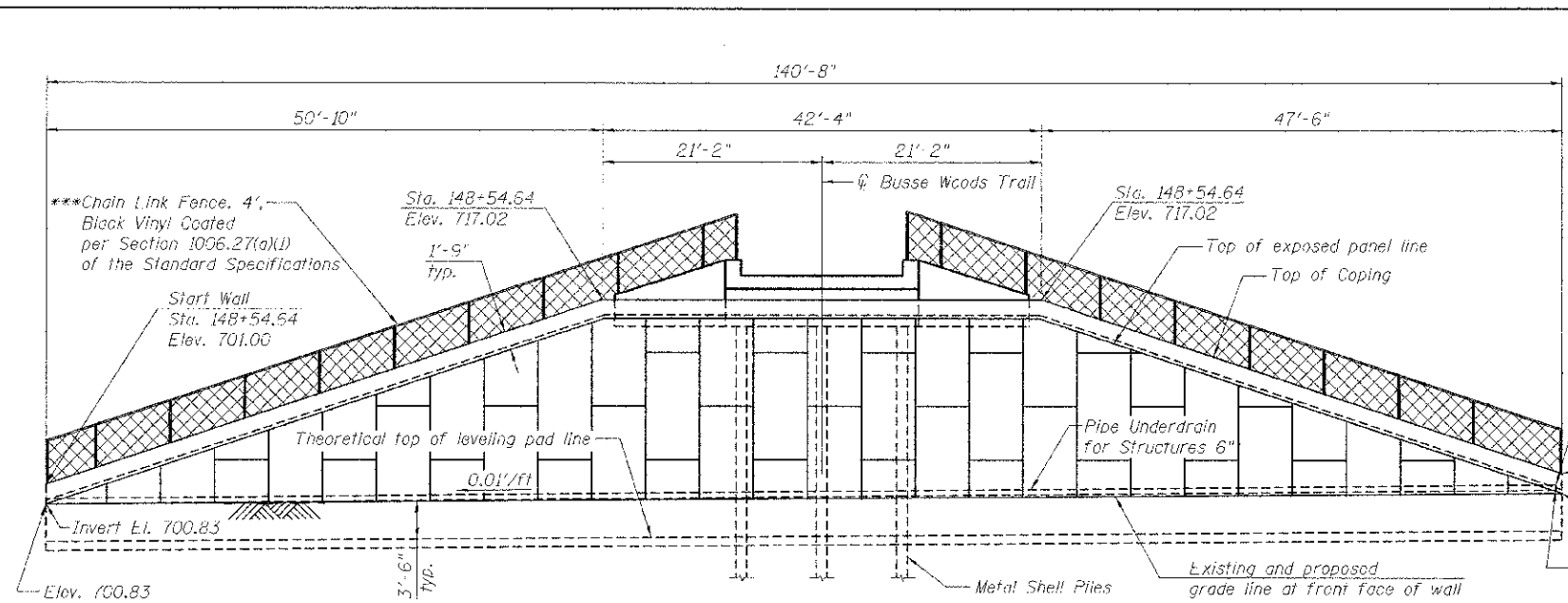


Bar	"A"
u1(E)	7'-10"
u2(E)	6'-11"
u3(E)	6'-1"
u4(E)	3'-3"

BILL OF MATERIAL

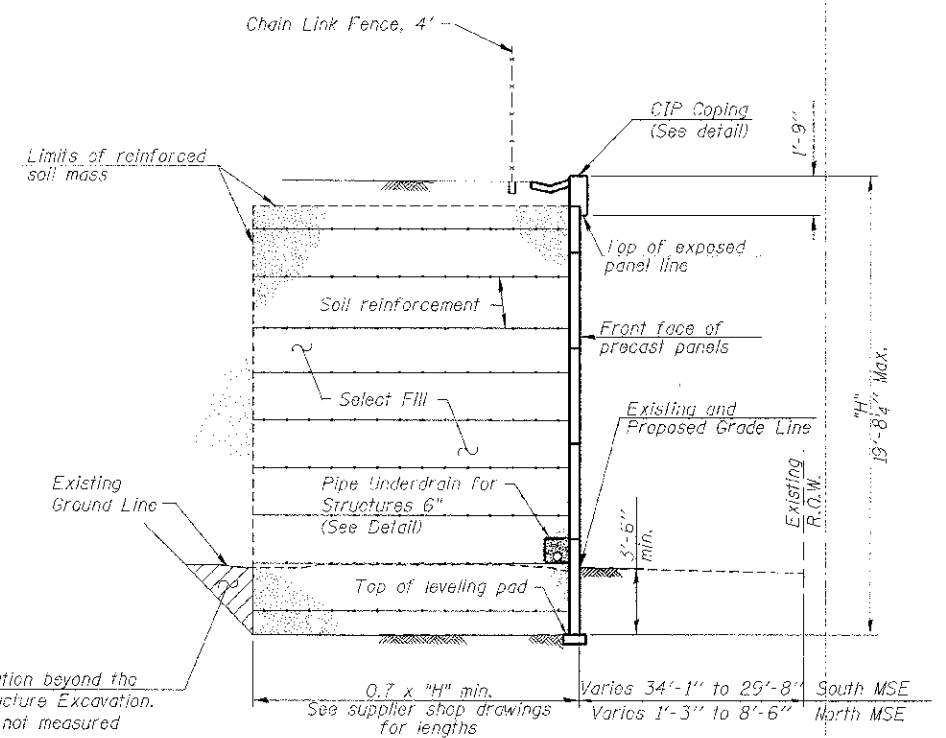
Bar	No.	Size	Length	Shape
t5(E)	4	#5	18'-0"	
n(E)	84	#10	15'-0"	
p2(E)	14	#9	18'-0"	
p3(E)	8	#6	18'-1"	
s1(E)	22	#5	9'-10"	
s2(E)	16	#5	12'-7"	
s3(E)	16	#5	12'-3"	
s4(E)	12	#5	11'-9"	
s5(E)	44	#4	21'-5"	
s6(E)	11	#4	4'-5"	
t1(E)	22	#6	9'-8"	
t2(E)	38	#6	11'-8"	
u1(E)	28	#5	19'-0"	
u2(E)	28	#5	17'-2"	
u3(E)	32	#5	15'-6"	
u4(E)	12	#5	9'-10"	
v4(E)	68	#10	24'-1"	
v5(E)	8	#10	16'-6"	
w1(E)	24	#6	14'-5"	
w2(E)	24	#6	16'-5"	
Structure Excavation	Cu. Yd.		139	
Concrete Structures	Cu. Yd.		104.9	
Reinforcement Bars, Epoxy Coated	Pound		19,530	
Furnishing Metal Shell Piles, 12" x 0.250"	Foot		864	
Driving Piles	Foot		864	
Test Pile Metal Shells	Each		2	
Concrete Sealer	Sq Ft		1414	

Note:
See Sheet 5 of 13 for Elevation and End View of Pier.



ELEVATION
(Looking at Front Face of Wall)
Factored Bearing Resistance, $q_A = 4,000$ psf

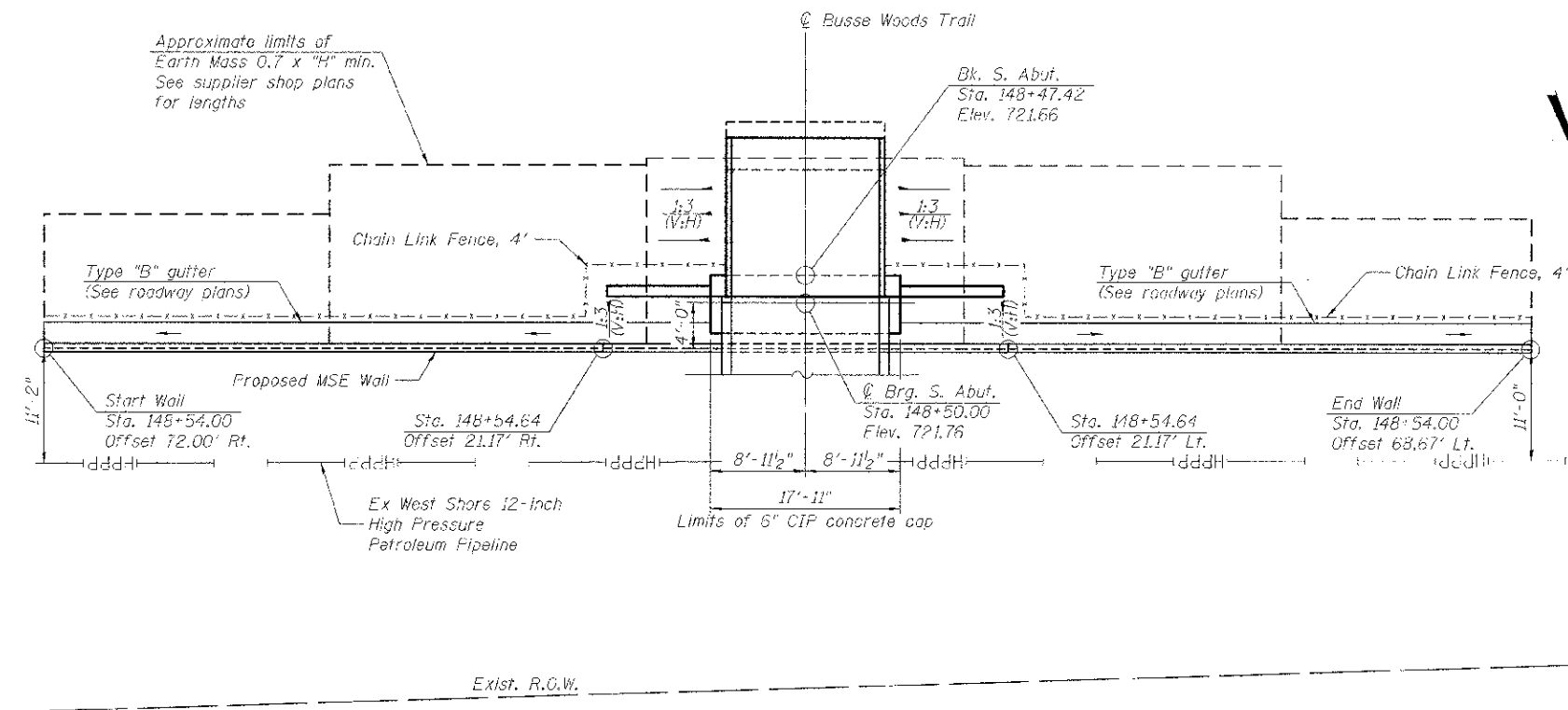
*** Chain Link Fence, 4', Black Vinyl Coated per Section 1006.27(a)(1) of the Standard Specifications
Start Wall Sta. 148+54.64 Elev. 701.00
1'-9" typ.
Sta. 148+54.64 Elev. 717.02
0.01'/ft
3'-6" typ.
Invert El. 700.83
Elev. 700.83
*** Set 2' ϕ sonit tubes in select fill for fence posts, typ. Cost included with Chain Link Fences, 4'.



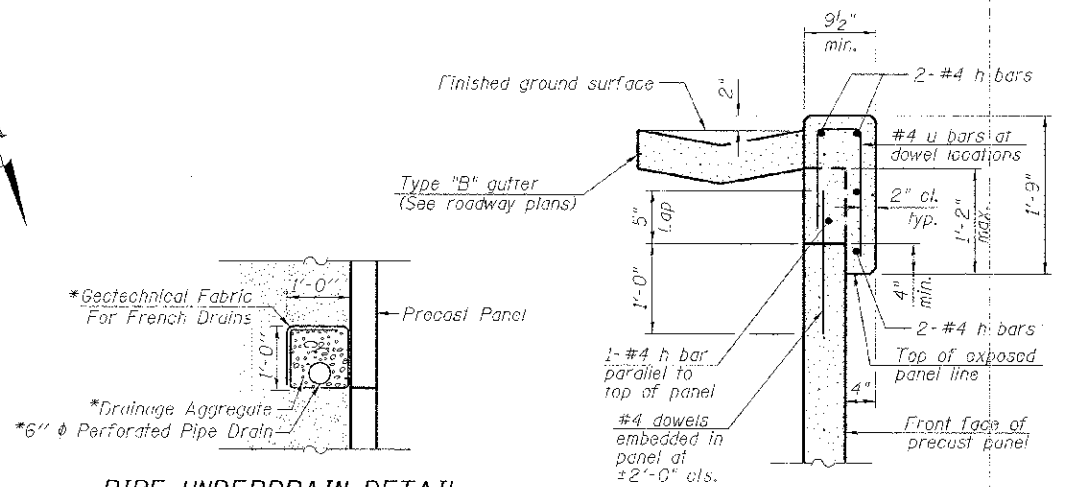
SECTION THRU MSE WALL

**Overexcavation beyond the limits of Structure Excavation. This area is not measured for payment.

***Backfill overexcavation with same material as used for select fill.



PLAN



PIPE UNDERDRAIN DETAIL

*Included in the cost of Pipe Underdrains for Structures 6".

CAST-IN-PLACE COPING DETAIL

BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu Yd	361
Concrete Headwalls for Pipe Drains	Each	1
Chain Link Fence, 4'	Foot	135
Mechanically Stabilized Earth Retaining Wall	Sq Ft	1827
Pipe Underdrains for Structures 6"	Foot	142

Notes:
Station and offsets are along the front face of precast panels.
See sheet 8 of 13 for Section at Abutment.

2/27/2015 10:00:03 AM G:\CH01\0371\Bridges\Road\Sheet\13\0166921-63809-07-SMSE.dgn



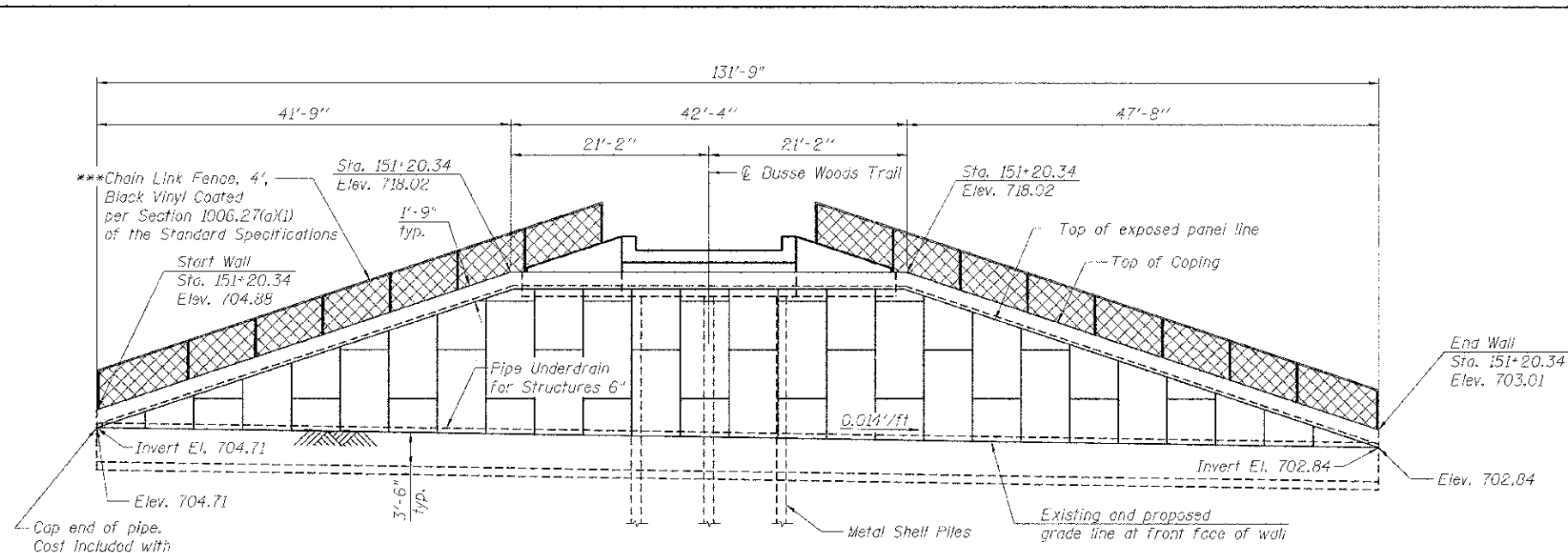
USER NAME = wilsontefund	DESIGNED - KAH	REVISED -
PLT SCALE = 3/8" = 1'-0"	CHECKED - MDS	REVISED -
PLT DATE = 2/27/2015	DRAWN - JBG	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH MSE PLAN AND ELEVATION
STRUCTURE NO. 016-6921

SHEET NO. 7 OF 13 SHEETS

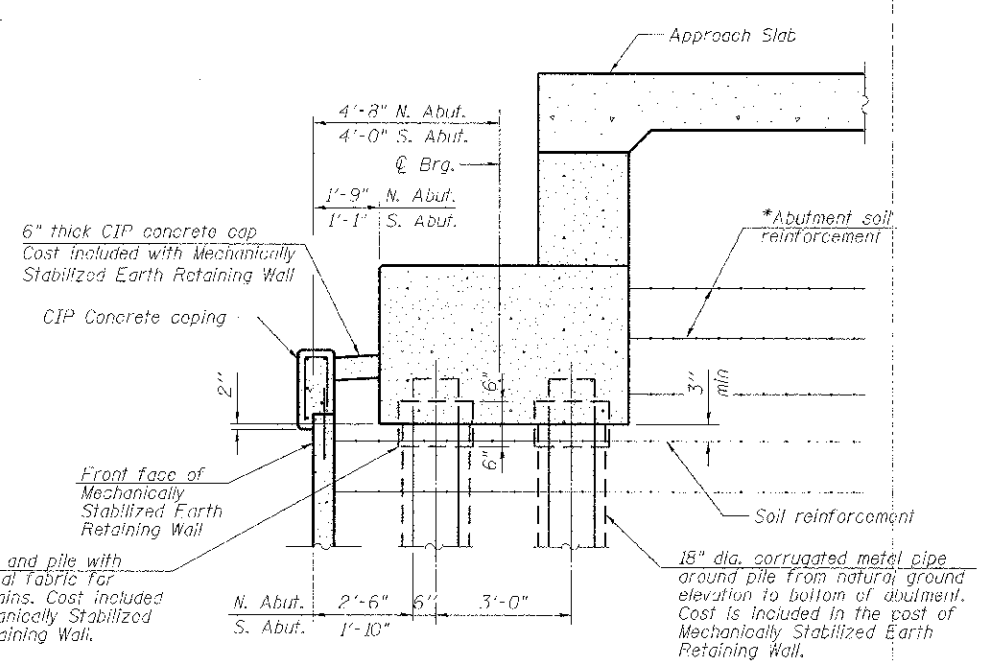
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	09-00058-00-BT	COOK	43	24
CONTRACT NO. 63809			ILLINOIS FED. AID PROJECT	



ELEVATION

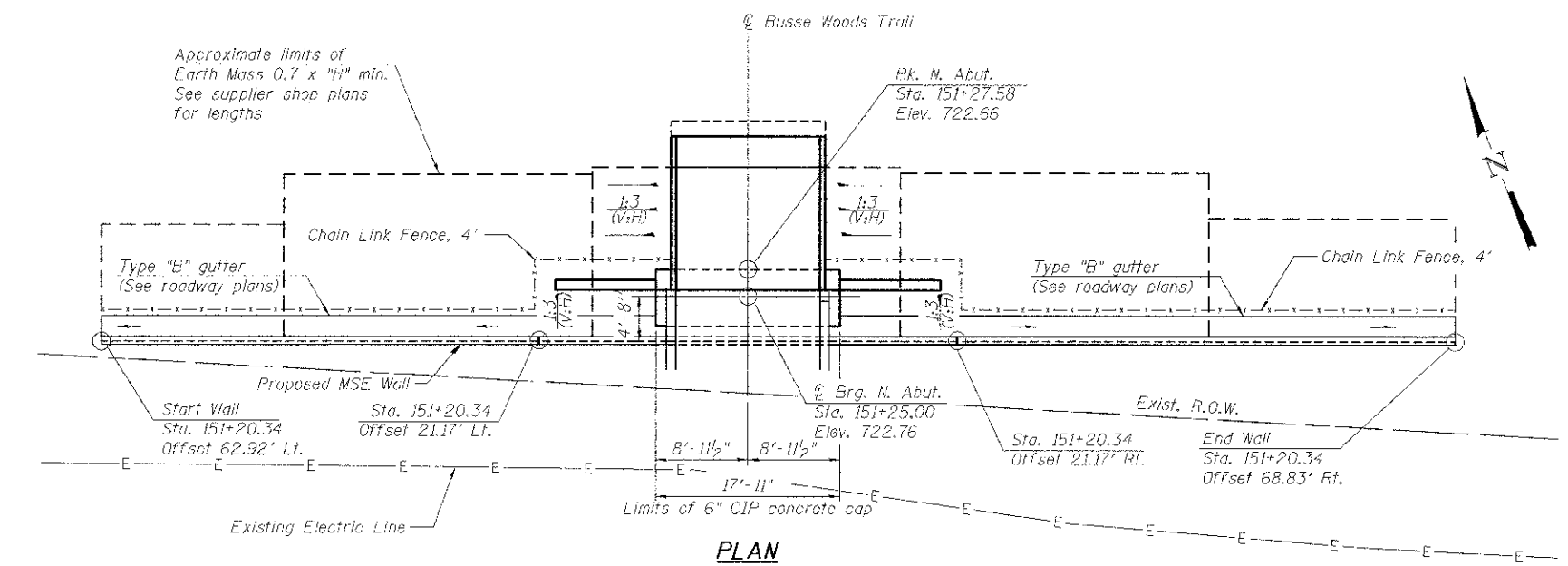
(Looking at Front Face of Wall)
 Factored Bearing Resistance, $q_A = 4,000$ psf

***Chain Link Fence, 4', Black Vinyl Coated per Section 1006.27(a)(1) of the Standard Specifications
 Start Wall Sta. 151+20.34 Elev. 704.88
 Sta. 151+20.34 Elev. 718.02
 1'-9" typ.
 Pipe Underdrain for Structures 6"
 Invert El. 704.71
 Elev. 704.71
 Cap end of pipe. Cost included with Pipe Underdrains for Structures 6"
 *** Set 2' ϕ scruit tubes in select fill for fence posts, typ. Cost included with Chain Link Fence, 4'.



SECTION AT ABUTMENT

*The M.S.E. Wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 1.19 kips/ft. of abutment.



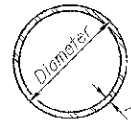
PLAN

BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu Yd	321
Concrete Headwalls for Pipe Drains	Each	1
Chain Link Fence, 4'	Foot	127
Mechanically Stabilized Earth Retaining Wall	Sq Ft	1519
Pipe Underdrain for Structures 6"	Foot	133

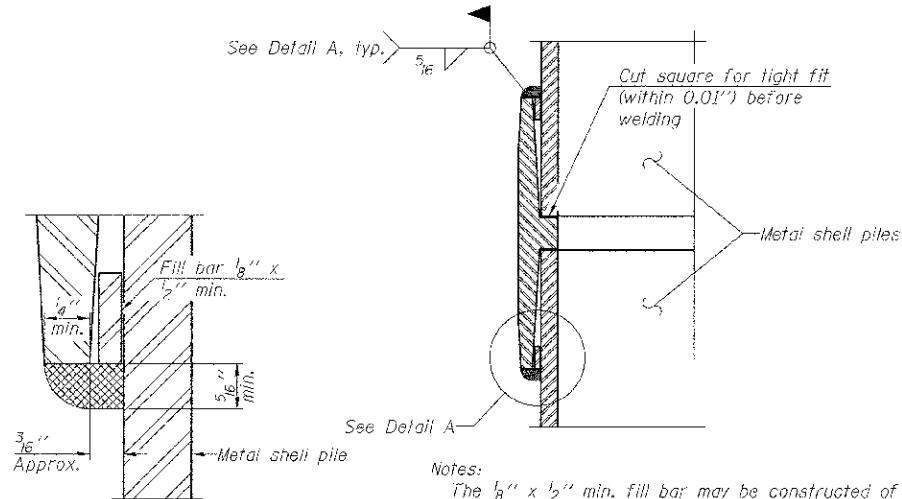
Notes:
 Station and offsets are along the front face of precast panels.
 See sheet 7 of 13 for Section thru MSF Wall and Cast-in-Place Coping Detail.
 See sheet 7 of 13 for Pipe Underdrain Detail.

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METAL SHELL PILE TABLE

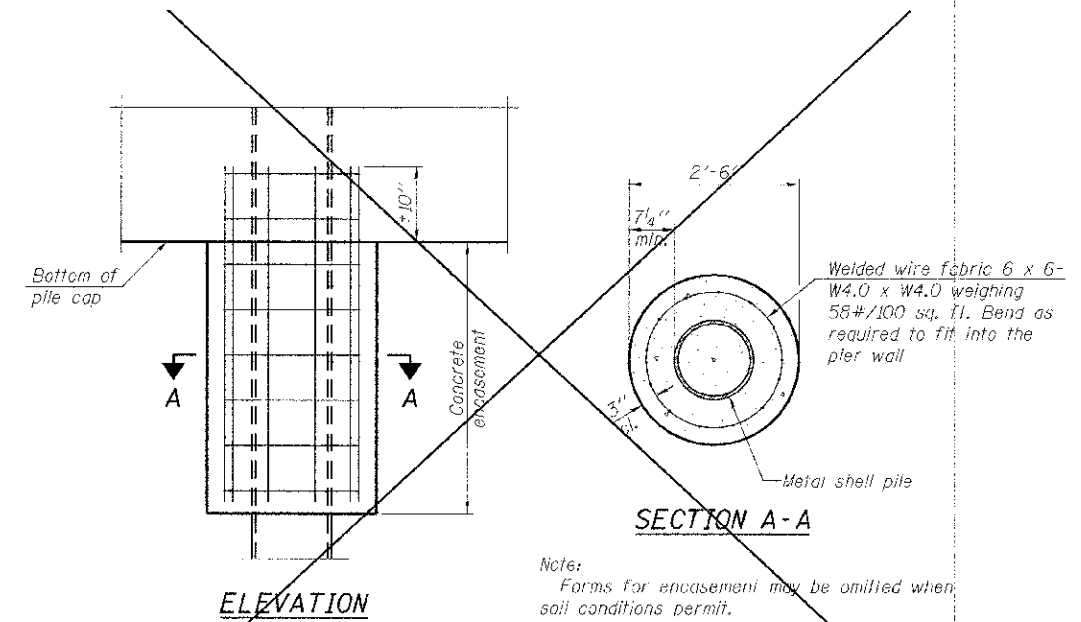
Designation and outside diameter	Wall thickness t	Weight per Foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.179"	22.60	0.0274
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361



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 soil prior to welding.

WELDED COMMERCIAL SPLICE

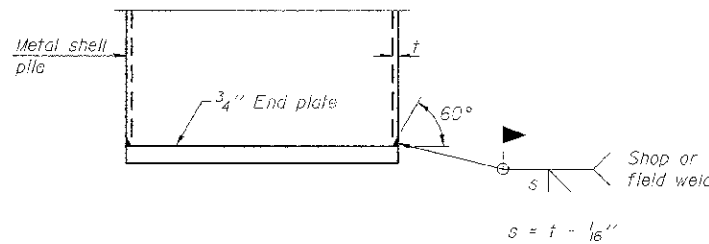


ELEVATION

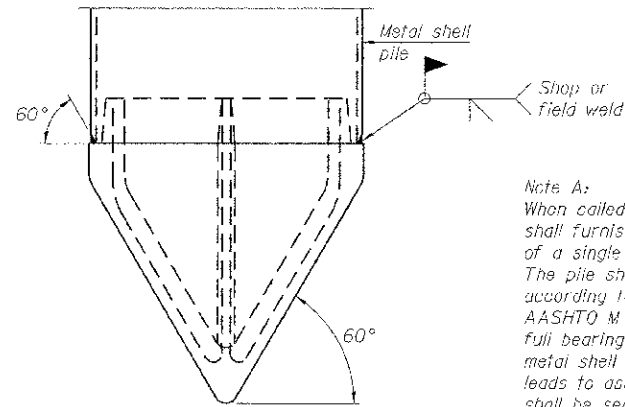
SECTION A-A

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

CONCRETE ENCASEMENT AT PIERS



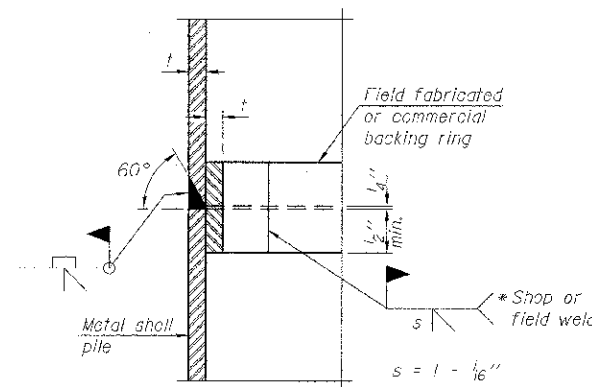
END PLATE ATTACHMENT



METAL SHELL PILE SHOE ATTACHMENT

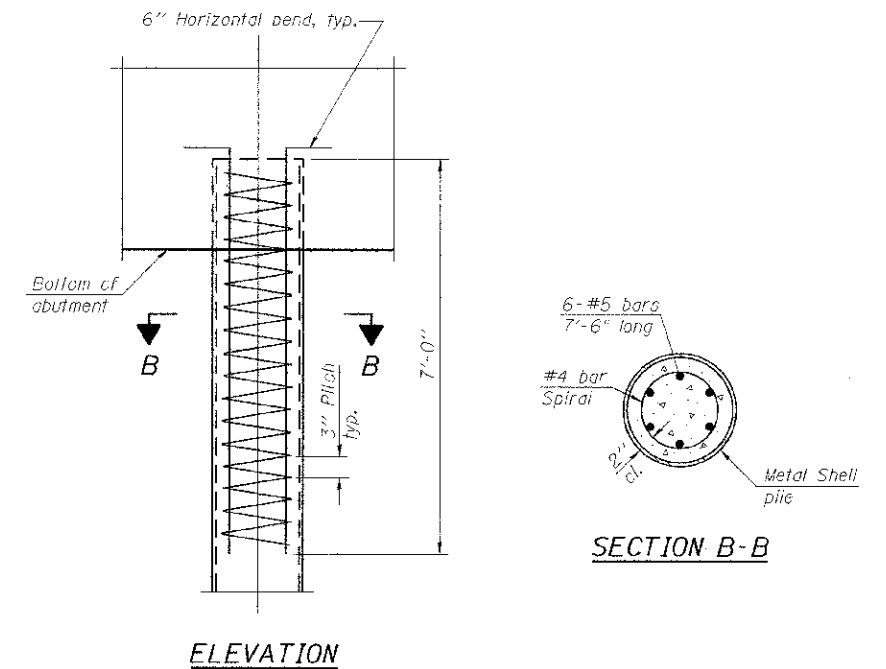
(See Note A)

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.



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 AND PIERS

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

2/15/2012 12:48:18 PM - C:\CH01\037\Bridges\Coad\Sheet 12\066922_63809_09-Foundation.dgn

F-MS

1-27-12



USER NAME = medante\ford
PLT SCALE = 200.0000 1/16"
PLOT DATE = 2/3/2013

DESIGNED	KAH	REVISED	-
CHECKED	WJC	REVISED	-
DRAWN	JDG	REVISED	-
CHECKED	WJC	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS
STRUCTURE NO. 016-6921**

SHEET NO. 9 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	09-00058-00-01	COOK	43	26
			CONTRACT NO. 63809	

ILLINOIS FED. AID PROJECT

Wang
Engineering & Construction

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG B-09
WEI Job No.: 790-50-01

Client: **TranSystems Corporation**
Project: **Busse Woods Trail Bridge over IL 72 (FAP 0341)**
Location: **Elk Grove Village, Illinois**

Datum: NAV88
Elevation: 702.93 ft
North: 1955720.86 ft
East: 1067954.44 ft
Station: 150+52.16
Offset: 4.09 RT

Page 1 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
702.73	73-inch thick, black SILTY CLAY -TOPSOIL- Very stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel	0-1	1	6	7	3.03	13	692.4	Medium dense, gray SANDY LOAM, some gravel	1-5	9	4	NP	15	
		1-5	2	3	4	3.00	16	679.9	Very stiff to hard, gray SILTY CLAY, trace gravel	5-10	10	7	5.25	18	
		5-10	3	4	5	2.38	18			10-15	11	10	3.20	16	
		10-15	4	7	8	4.26	17			15-20	12	4	2.38	14	
692.4	Very stiff, gray SILTY CLAY, trace gravel	15-20	5	7	9	2.46	17	670.9	Medium dense, gray SILTY LOAM, little gravel	20-25	13	3	NP	21	
		20-25	6	3	5	3.20	18			25-30	14	7	2.30	13	
		25-30	7	4	6	3.69	16	665.9	Stiff to hard, gray SILTY CLAY LOAM, trace to some gravel	30-35	15	8	NP	15	
684.9	Stiff, gray CLAY LOAM, with sand seams and some gravel	35-40	8	6	5	1.23	18			35-40	16	8	NP	15	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-19-2012	Complete Drilling	01-19-2012	While Drilling	▽	18.00 ft	
Drilling Contractor	Wang Testing Service	Drill Rig	D-50 ATV	At Completion of Drilling	▽	26.00 ft	
Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	M. Snider	Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	Depth to Water	▽	NA	

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG B-09
WEI Job No.: 790-50-01

Client: **TranSystems Corporation**
Project: **Busse Woods Trail Bridge over IL 72 (FAP 0341)**
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East: 1067954.44 ft
Station: 150+52.16
Offset: 4.09 RT

Page 2 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
660.9	Medium dense, gray SILTY LOAM, trace gravel	45-50	15	5	8	1.50	14			45-50	15	5	8	1.50	14
		50-55	16	5	7	4.26	11			50-55	16	5	7	4.26	11
		55-60	17	10	11	NP	16			55-60	17	10	11	NP	16
642.9	Boring terminated at 60.00 ft	60-65	18	8	10	NP	15			60-65	18	8	10	NP	15

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-19-2012	Complete Drilling	01-19-2012	While Drilling	▽	18.00 ft	
Drilling Contractor	Wang Testing Service	Drill Rig	D-50 ATV	At Completion of Drilling	▽	26.00 ft	
Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	M. Snider	Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	Depth to Water	▽	NA	

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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USER NAME = ridsanleford	DESIGNED - KAH	REVISIONS
LOT SCALE = 20x10/0000 1/4" = 1'	CHECKED - WJC	REVISIONS
PLOT DATE = 2/13/2013	DRAWN - JDG	REVISIONS
	CHECKED - WJC	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 016-6921
SHEET NO. 12 OF 13 SHEETS

F.A.P. RTE. 0341	SECTION 09-00058-00-BT	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 29
CONTRACT NO. 63809			ILLINOIS FED. AID PROJECT	

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Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG B-10
WEI Job No.: 790-50-01

Datum: NAV88
Elevation: 705.91 ft
North: 1955783.60 ft
East: 1067975.85 ft
Station: 151+18.42
Offset: 1.95 RT

Client: **TranSystems Corporation**
Project: **Busse Woods Trail Bridge over IL 72 (FAP 0341)**
Location: **Elk Grove Village, Illinois**

Page 1 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
705.2	8-inch thick, brown SILTY CLAY --TOPSOIL-- Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	0-1	1	4 5 7	1.75 P	25	685.4	Stiff, gray CLAY LOAM, little gravel and sand seams	9	4 7 10	1.64 B	13	
		1-2	2	3 5 7	3.25 P	17	682.3	Very stiff, gray SILTY CLAY LOAM, with sand interbeds and little gravel	10	6 8 8	2.30 B	19	
		2-3	3	3 4 6	1.56 B	19		--Hard drilling from 26" to 27"-- --Rock fragments-- --Possible Cobbles--	11	13 24 15	NR		
		3-4	4	3 4 6	1.48 B	14	677.9	Medium stiff to very stiff, gray SILTY CLAY, trace gravel	12	5 8 8	2.05 B	15	
		4-5	5	6 7 8	1.48 B	14			13	4 6 10	2.79 B	18	
		5-6	6	3 4 6	1.80 B	15			14	3 3 7	0.82 B	15	
		6-7	7	5 6 9	2.38 B	16							
		7-8	8	3 4 8	1.80 B	15							
		8-9	9	3 4 8	1.80 B	15							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-23-2012	Complete Drilling	01-23-2012	While Drilling	▽	23.00 ft	
Drilling Contractor	Wang Testing Service	Drill Rig	D-50 ATV	At Completion of Drilling	▽	28.00 ft	
Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	M. Snider	Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	Depth to Water	▽	NA	

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG B-10
WEI Job No.: 790-50-01

Datum: NAV88
Elevation: 705.91 ft
North: 1955783.60 ft
East: 1067975.85 ft
Station: 151+18.42
Offset: 1.95 RT

Client: **TranSystems Corporation**
Project: **Busse Woods Trail Bridge over IL 72 (FAP 0341)**
Location: **Elk Grove Village, Illinois**

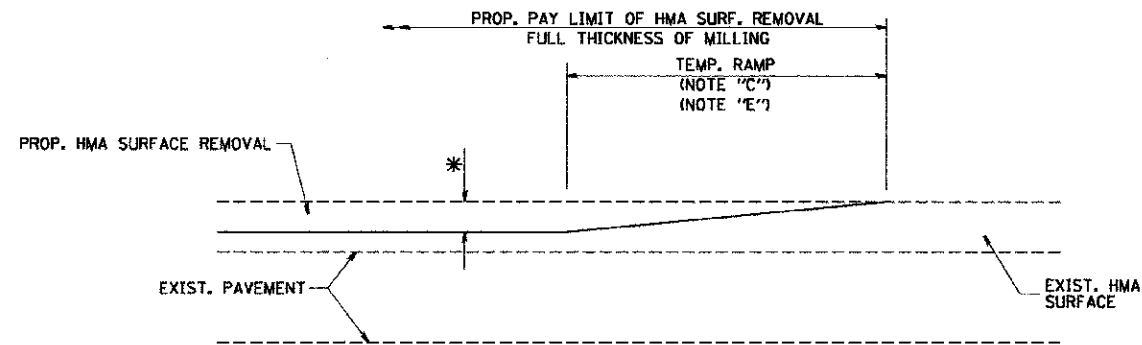
Page 2 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
694.9	Very stiff, gray SILTY CLAY, trace gravel	15	5 8 15	3.44 B	18		640.9	Boring terminated at 65.00 ft	65	19	6 8 14	5.17 B	10
661.3	Medium dense, gray SILT to SILTY LOAM, trace gravel	45	15	5 8 15	3.44 B	18							
		50	16	4 6 9	NP	13							
		55	17	4 5 20	1.56 B	14							
654.4	Medium stiff to hard, gray SILTY CLAY, trace gravel	60	18	4 4 10	0.65 B	15							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-23-2012	Complete Drilling	01-23-2012	While Drilling	▽	23.00 ft	
Drilling Contractor	Wang Testing Service	Drill Rig	D-50 ATV	At Completion of Drilling	▽	28.00 ft	
Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	M. Snider	Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	Depth to Water	▽	NA	

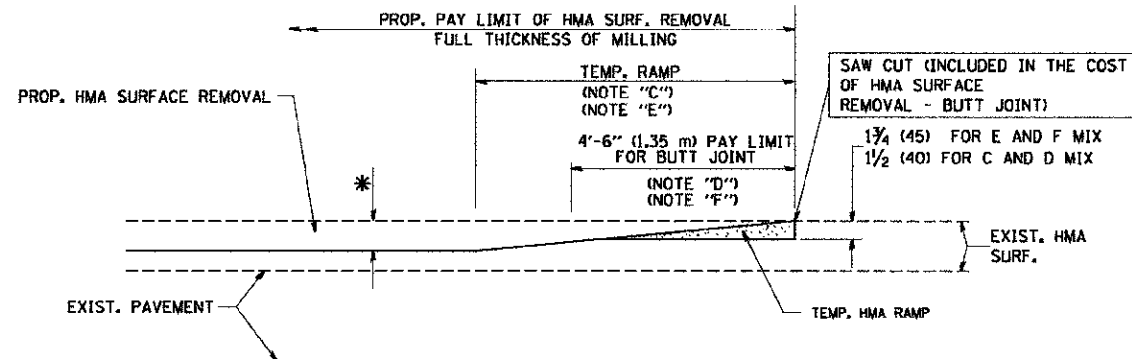
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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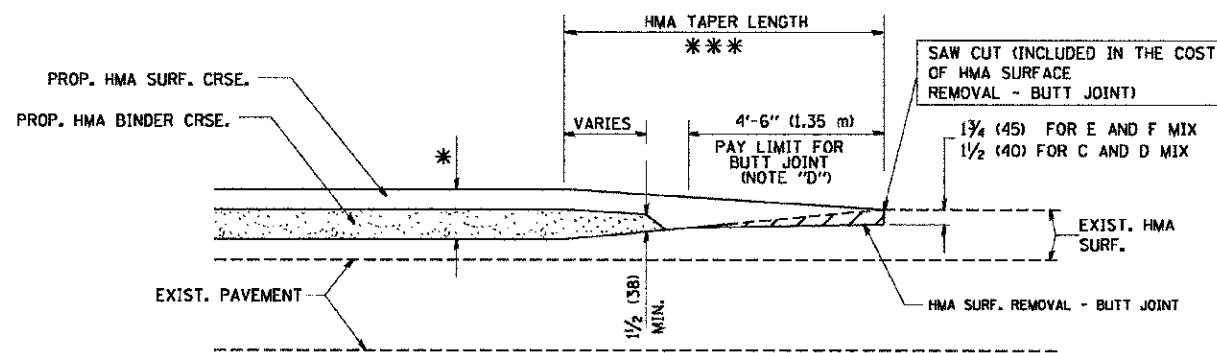
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1



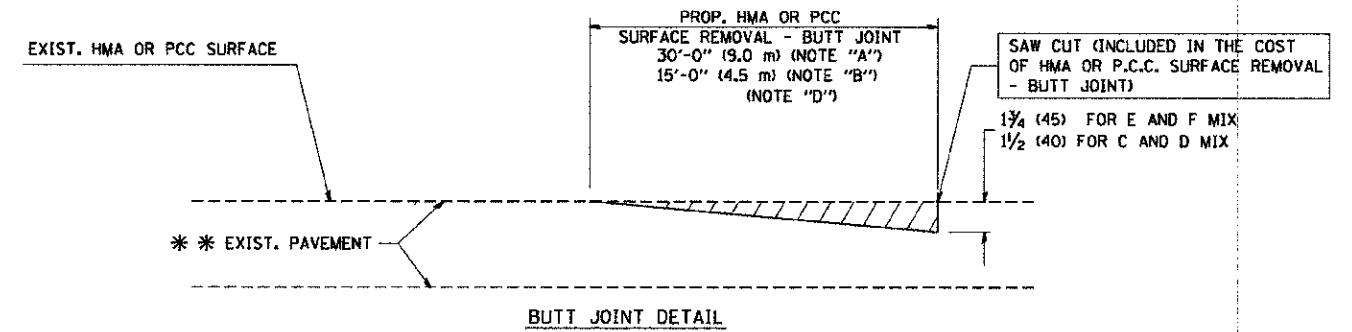
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2
TYPICAL TEMPORARY RAMP**

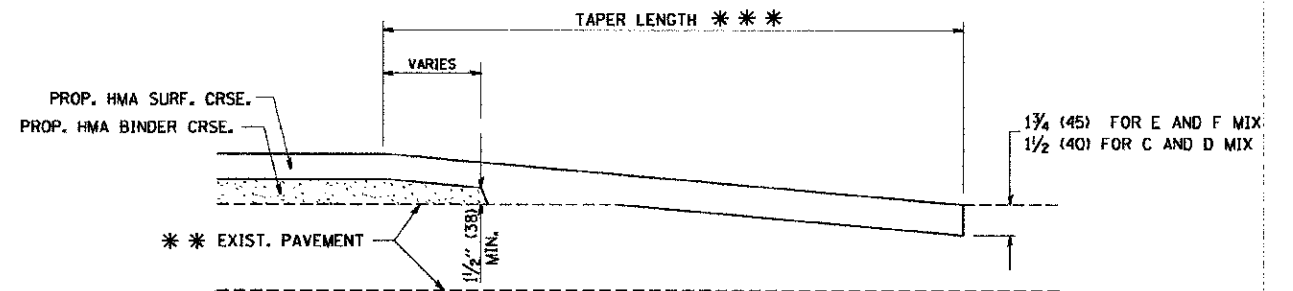


BUTT JOINT AND
HMA TAPER

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

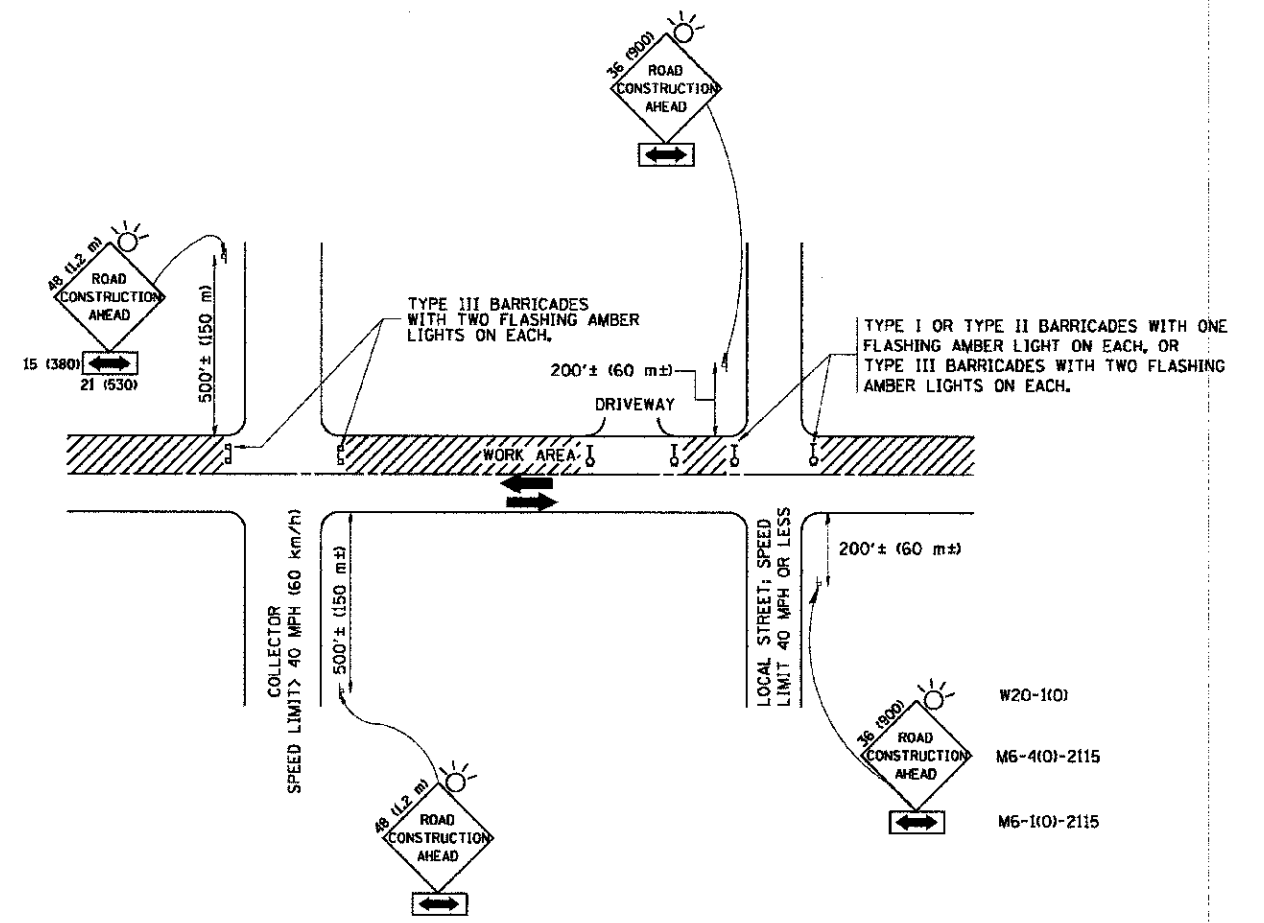
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\v\stata\22x34\h232.dgn	USER NAME = goghtarab	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000 1/ IN.	DRAWN -	CHECKED -	REVISED - A. ABBAS 03-21-97		341	09-00058-00-BT	COOK	43	31		
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01	REVISED - R. BORD 01-01-07		BD400-05 BD32		CONTRACT NO. 63809				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



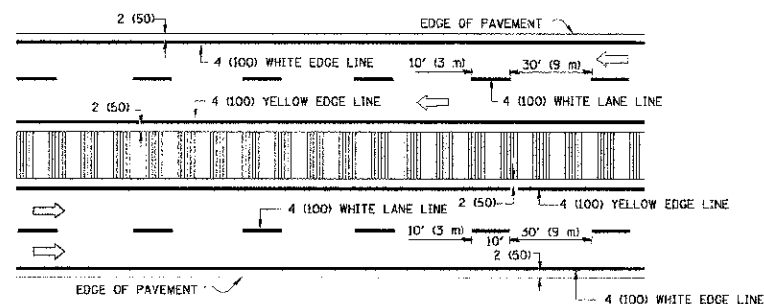
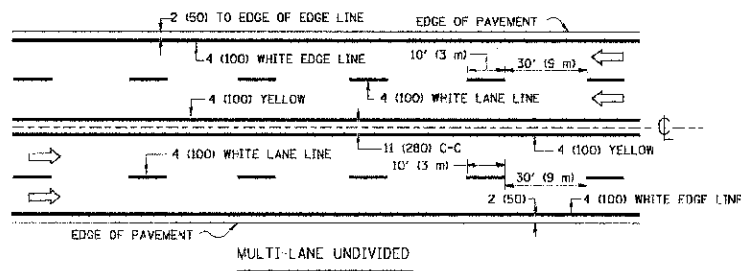
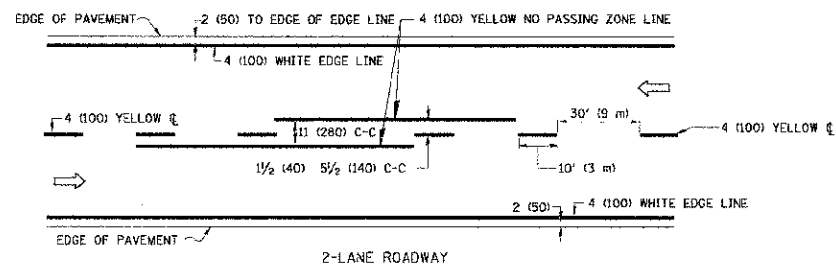
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

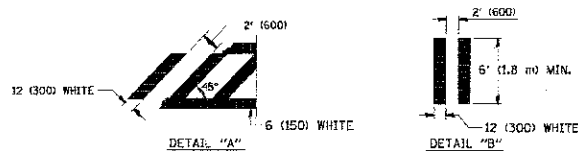
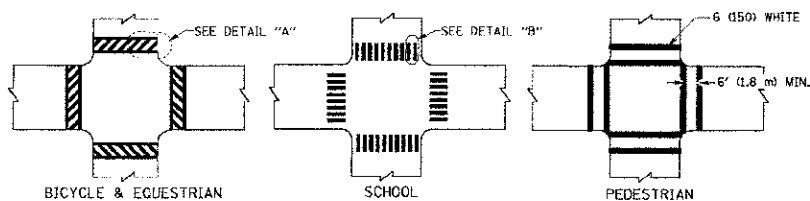
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\oier\std\22x34\tclB.dgn	USER NAME = gegl1emobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED - A. HOUSEH 03-06-96		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	09-00058-00-BT	COOK	43 32
	PLOT DATE = 1/4/2000	CHECKED -	REVISED - A. HOUSEH 10-18-96					TC-10		CONTRACT NO. 63809	
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

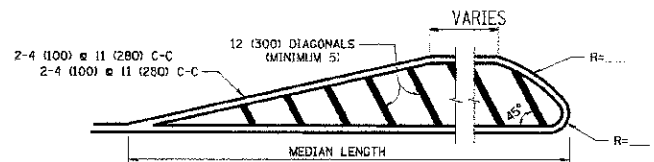
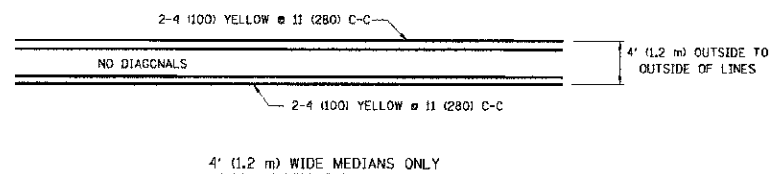


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

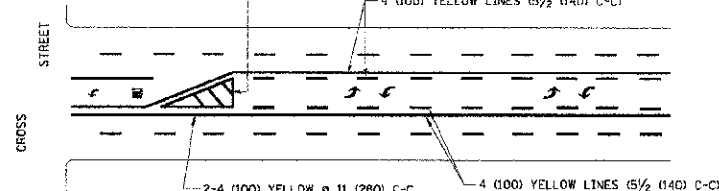


TYPICAL CROSSWALK MARKING

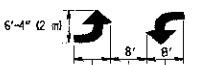


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

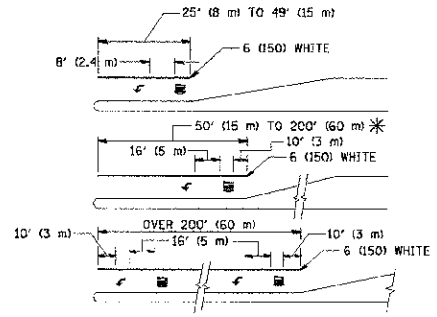


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

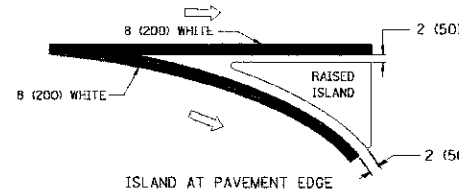
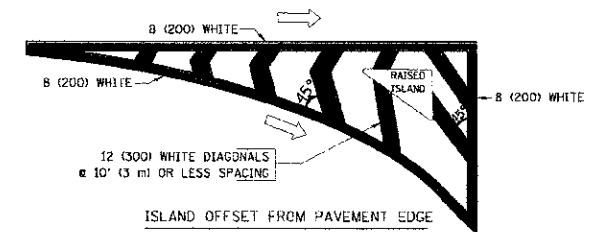
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD (80001).

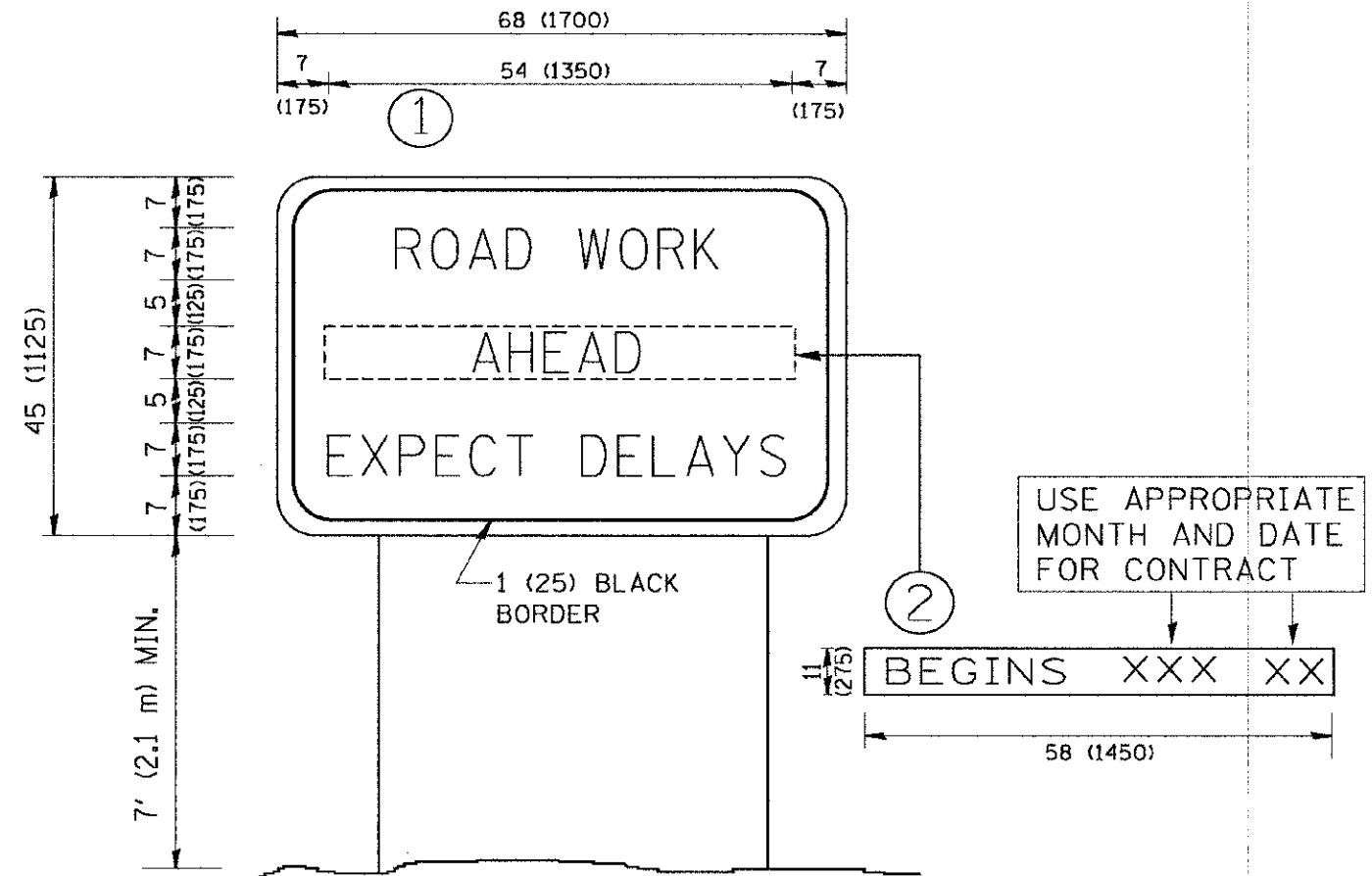
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = drsvakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
et:\work\pav\drsvakosgn\08108315\1c	3.dgn	DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50.000 / 1 in.	CHECKED -	REVISED -
	PLOT DATE = 9/3/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
TYPICAL PAVEMENT MARKINGS			09-00058-00-BT	COOK	43 / 33
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-13 CONTRACT NO. 63809	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
	09-00058-00-BT	COOK	43 / 33
TC-13		CONTRACT NO. 63809	



NOTES:

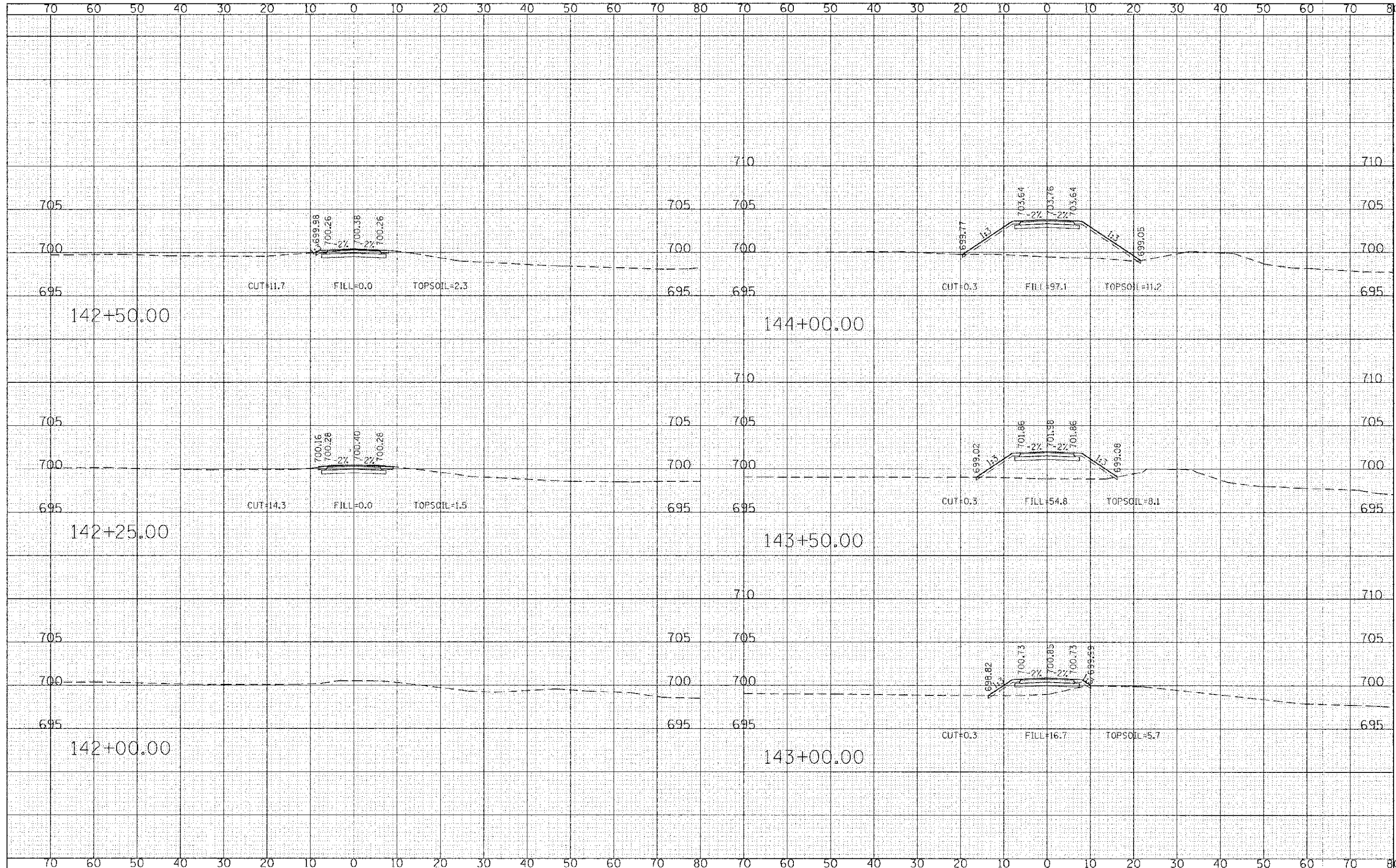
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\d:\stata\22x34\to22.dgn	USER NAME = gaglxnab	DESIGNED -	REVISED - R. WIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. WIRS 12-11-97		341	09-00058-00-BT	COOK	43	34			
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-22		CONTRACT NO. 63809		
		DATE -	REVISED - C. JUCIUS 01-31-07		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT							

DATE	07
BY	
FILE	
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NOTE BOOK	
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AREAS CHECKED	

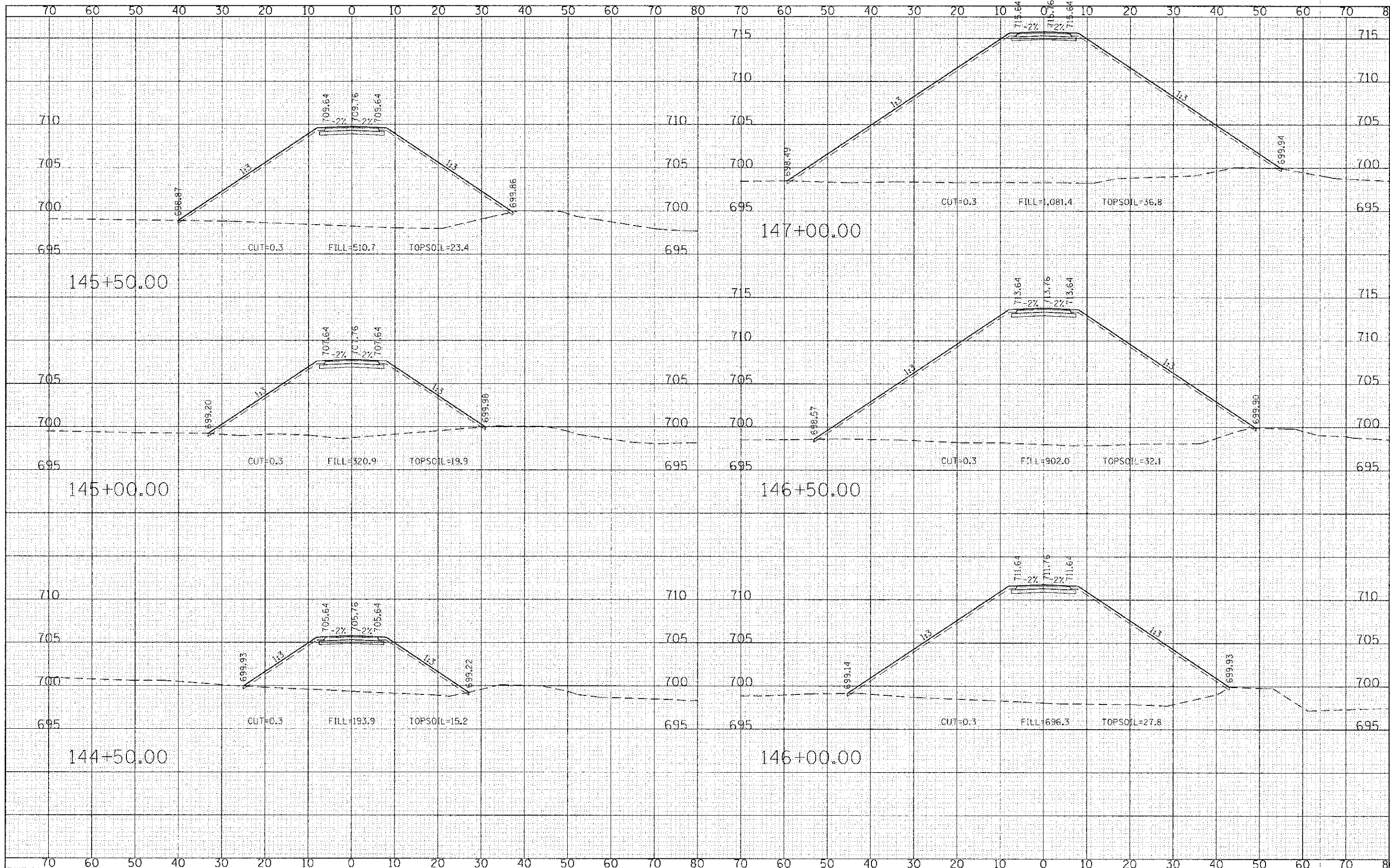
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NOTE BOOK	
TEMPLATE	
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AREAS CHECKED	



FILE NAME -	USER NAME - rdcontafans	DESIGNED - CEC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUSSE WOODS TRAIL OVERPASS CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
6\CH2\2137\Road\Sheet\0137-SHT-XS.dgn	PL03 SCALE = 10.0000 1" = 10'	DRAWN - CEC	REVISED -		09-0058-00-B1	COOK	43	56		
	PLOT DATE = 2/13/2013	CHECKED - DWB	REVISED -		SCALE: 10H : 5V	SHEET NO. 35 OF 43	SHEETS: STA. 142+00.00 TO STA. 144+00.00	CONTRACT NO. 63809		
		DATE - 02/04/2013	REVISED -		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

DATE: _____ BY: _____
 ORIGINAL SURVEY: _____
 SURVEY PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____

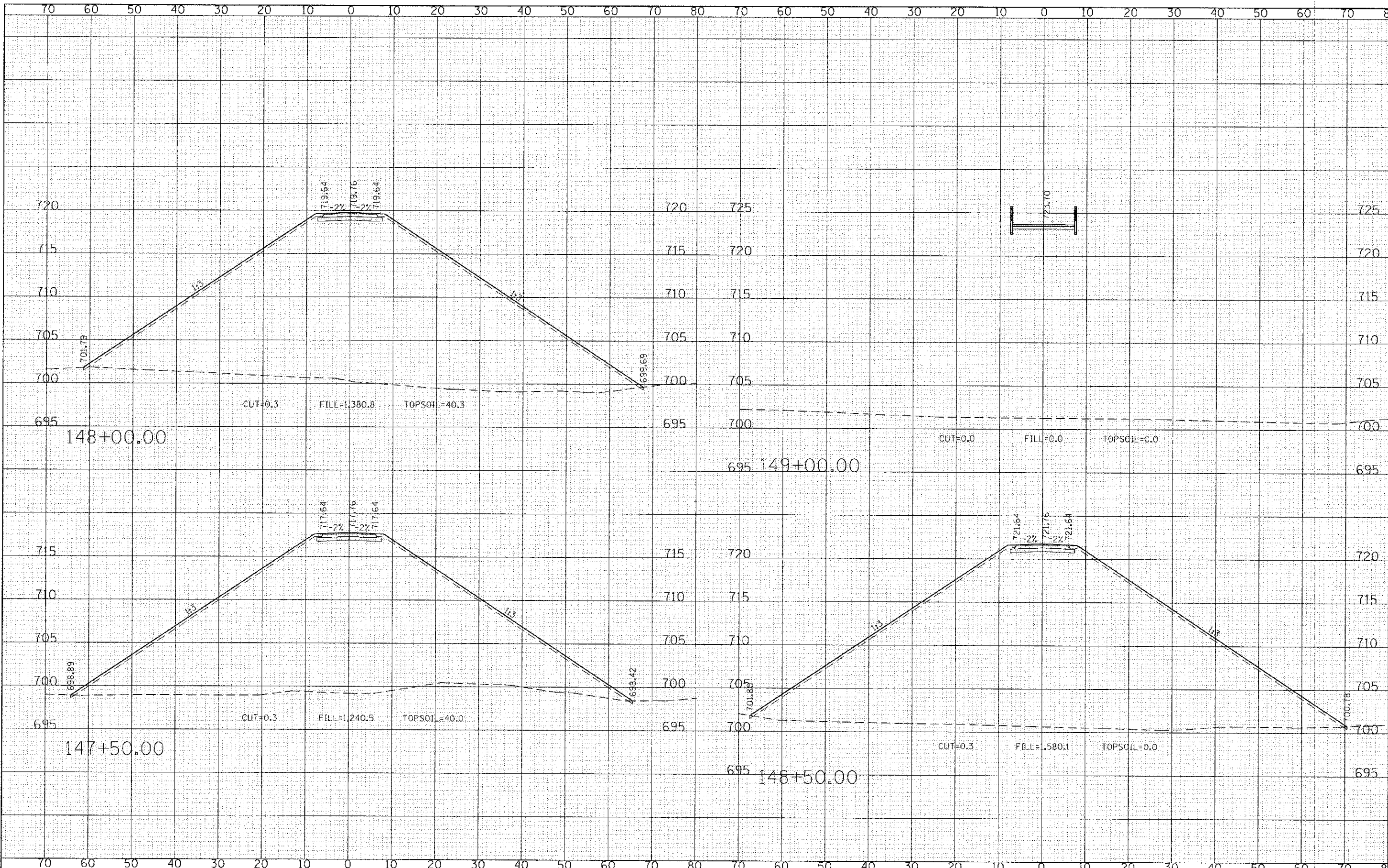
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 SURVEY PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____



FILE NAME - G:\CHRON\0377\Road\Sheets\NBS7-SHT-NS.dgn	USER NAME = mdsantafor	DESIGNED - CEC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUSSE WOODS TRAIL OVERPASS CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FLOT SCALE = 1/8" = 10'	CHECKED - DNB	DATE - 02/04/2013	REVISED -			09-00058-00-BT	COOK	43	36	
FLOT DATE = 2/13/2013	DATE - 02/04/2013	REVISED -	REVISED -			CONTRACT NO. 63809				
SCALE: 10H : 5V			SHEET NO. 36 OF 43 SHEETS			STA. 144+50.00 TO STA. 147+00.00		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

DATE: _____
 BY: _____
 SURVEYED: _____
 CHECKED: _____
 ORIGINAL: _____
 SUPPLY: _____
 NOTE BOOK: _____
 TEMPLATE: _____
 AREAS: _____
 CHECKED: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 CHECKED: _____
 ORIGINAL: _____
 SUPPLY: _____
 NOTE BOOK: _____
 TEMPLATE: _____
 AREAS: _____
 CHECKED: _____



FILE NAME =
 S:\CH\1812137\Road\Sheets\14837-SHT-35.dgn

USER NAME = rdsantoford
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 DRAWN - CEC
 CHECKED - DWS
 DATE - 02/04/2013
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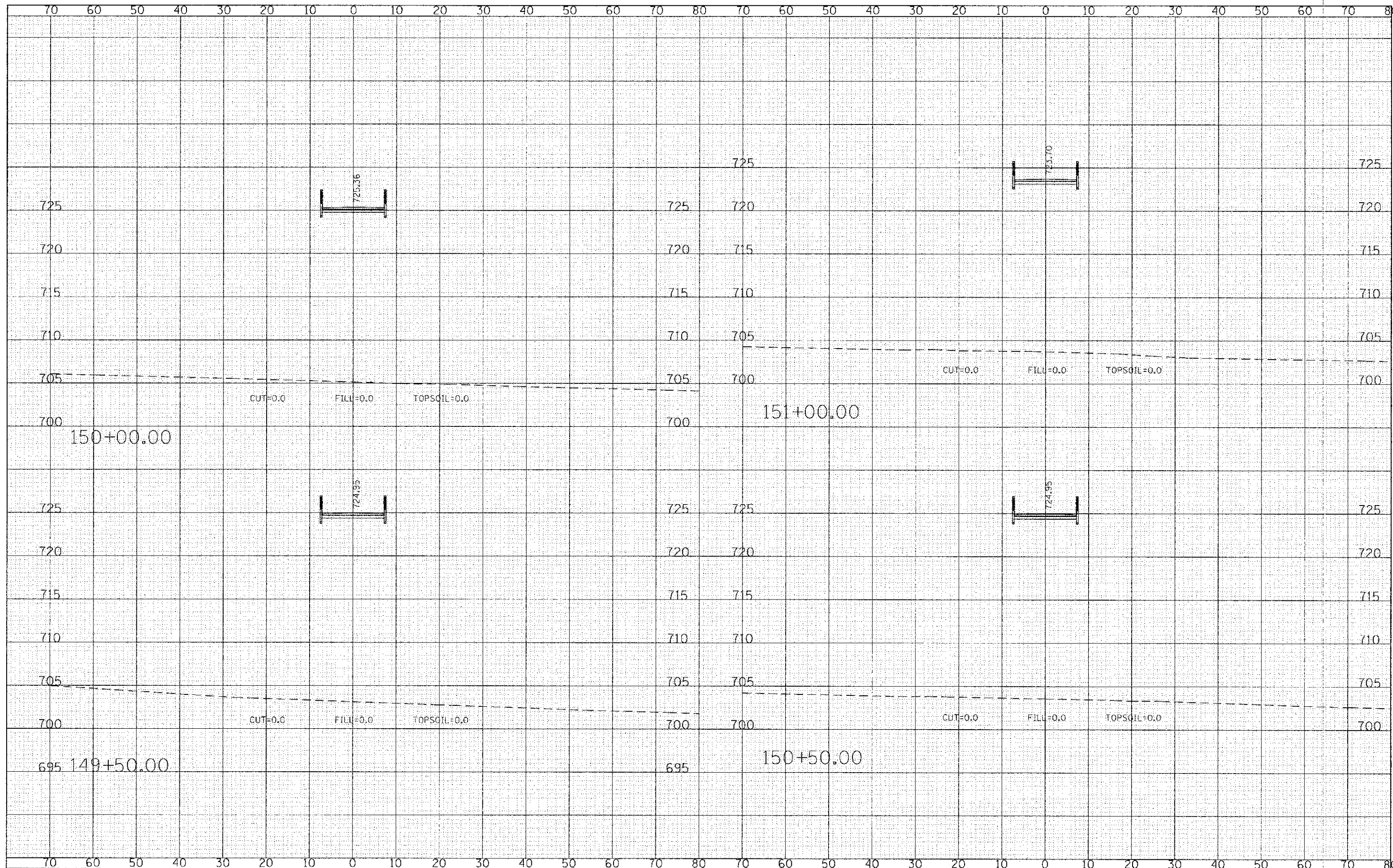
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BUSSE WOODS TRAIL OVERPASS
 CROSS SECTIONS
 SCALE: 10H : 5V
 SHEET NO. 37 OF 43 SHEETS STA. 147+50.00 TO STA. 149+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00058-00-BT	COOK	43	37
CONTRACT NO. 63809			FED. ROAD DIST. NO. 7 ILL. INDIAN FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
NOTED BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED BOOK	
NO.	



FILE NAME =
 S:\CH\137\Road\Sheets\137-SHT-XS.dgn

USER NAME = masorteford
 PLOT SCALE = 1/8" = 1'-0"
 PLOT DATE = 2/13/2013

DESIGNED - CEC
 DRAWN - CEC
 CHECKED - DWB
 DATE - 02/04/2013

REVISED -
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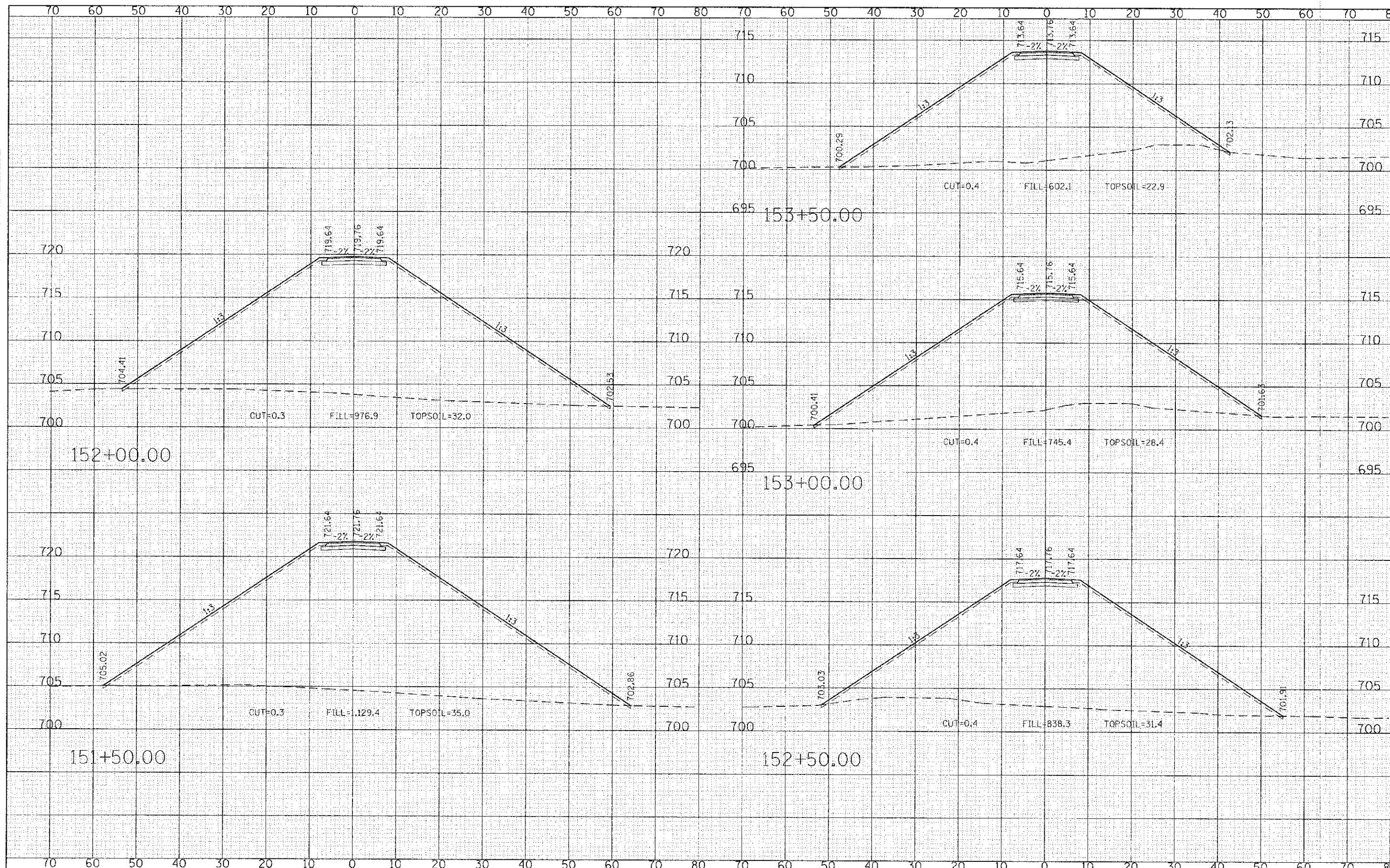
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BUSSE WOODS TRAIL OVERPASS
 CROSS SECTIONS**
 SCALE: 10H = 5V SHEET NO. 38 OF 43 SHEETS STA. 149+50.00 TO STA. 151+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00058-00-BT	COOK	43	38
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63809	

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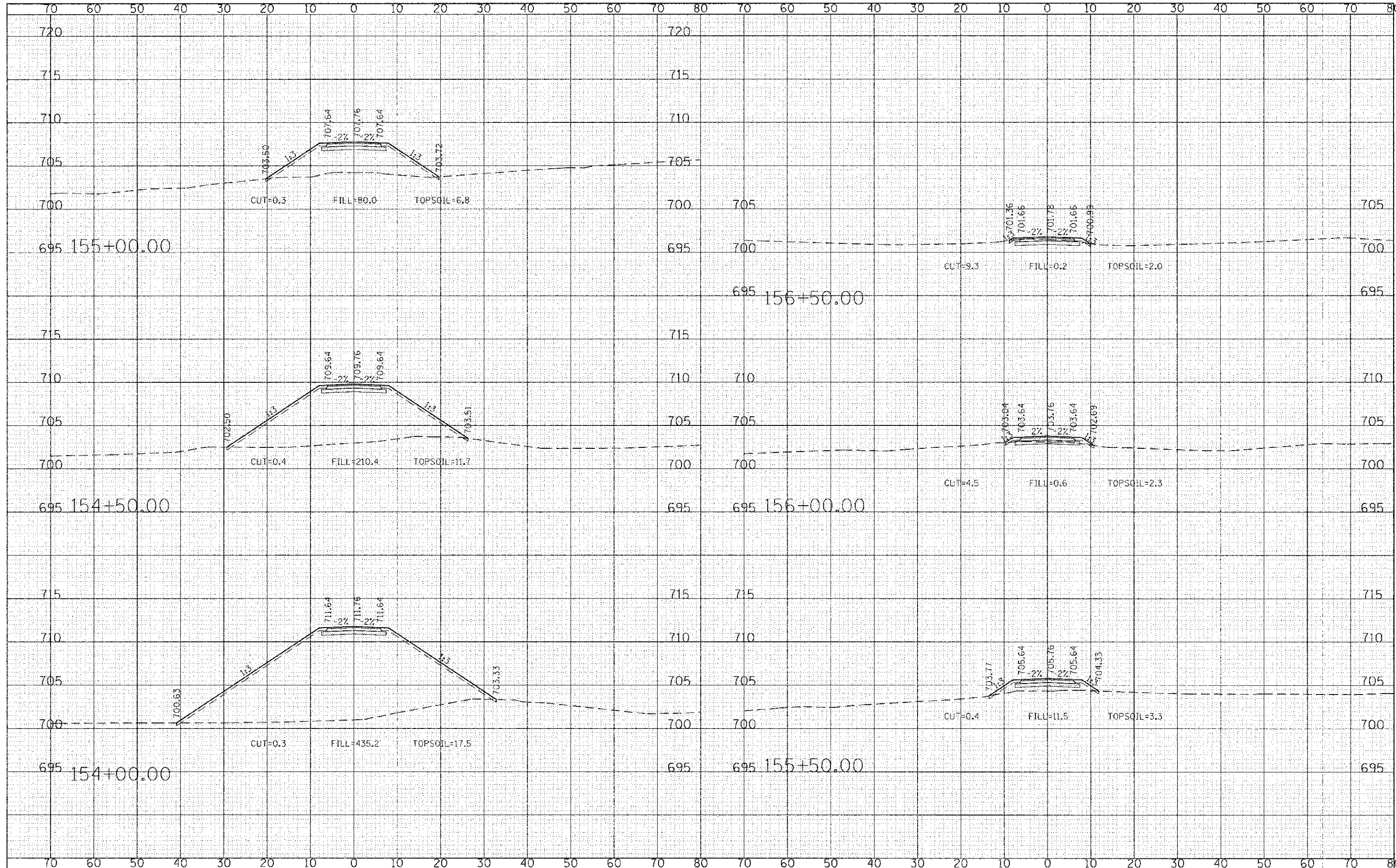
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NOTE BOOK	NOTED		
TEMPLATE	TEMPLATED		
AREAS CHECKED	CHECKED		
NO.			



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PLOT SCALE = 12:3000 1/4" = 1'	CHECKED - DWB	DATE - 02/04/2013	REVISED -			09-00058-00-BT	COOK	43	39	
PLOT DATE = 2/13/2013	DATE - 02/04/2013	REVISED -	REVISED -			CONTRACT NO. 63809				
SCALE: 10H : 5V SHEET NO. 39 OF 43 SHEETS STA. 151+50.00 TO STA. 153+50.00						FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT				

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

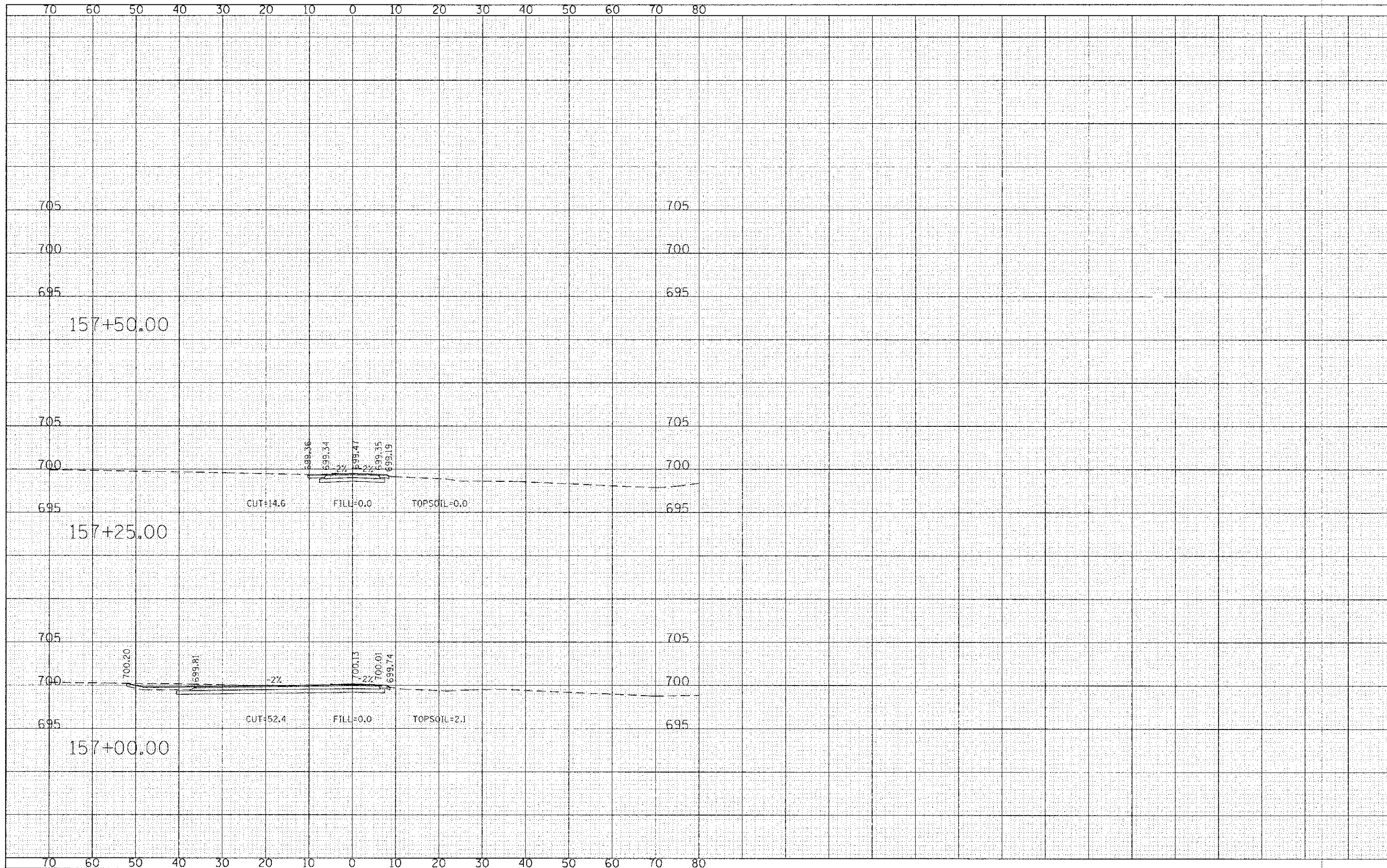
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DESIGNED	
DRAWN	
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DATE	



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">BUSSE WOODS TRAIL OVERPASS CROSS SECTIONS</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6\ENR\B\137\Road\Sheets\137-SHT-155.dgn		DRAWN -	REVISED -			09-0058-00-BT	COOK	43	40	
PLOT SCALE = 10.0000 1/4 in.		CHECKED -	REVISED -			CONTRACT NO. 63809				
PLOT DATE = 2/13/2013		DATE -	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
				SCALE: 10H : 5V	SHEET NO. 40 OF 43 SHEETS	STA. 154+00.00	TO STA. 156+50.00			

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

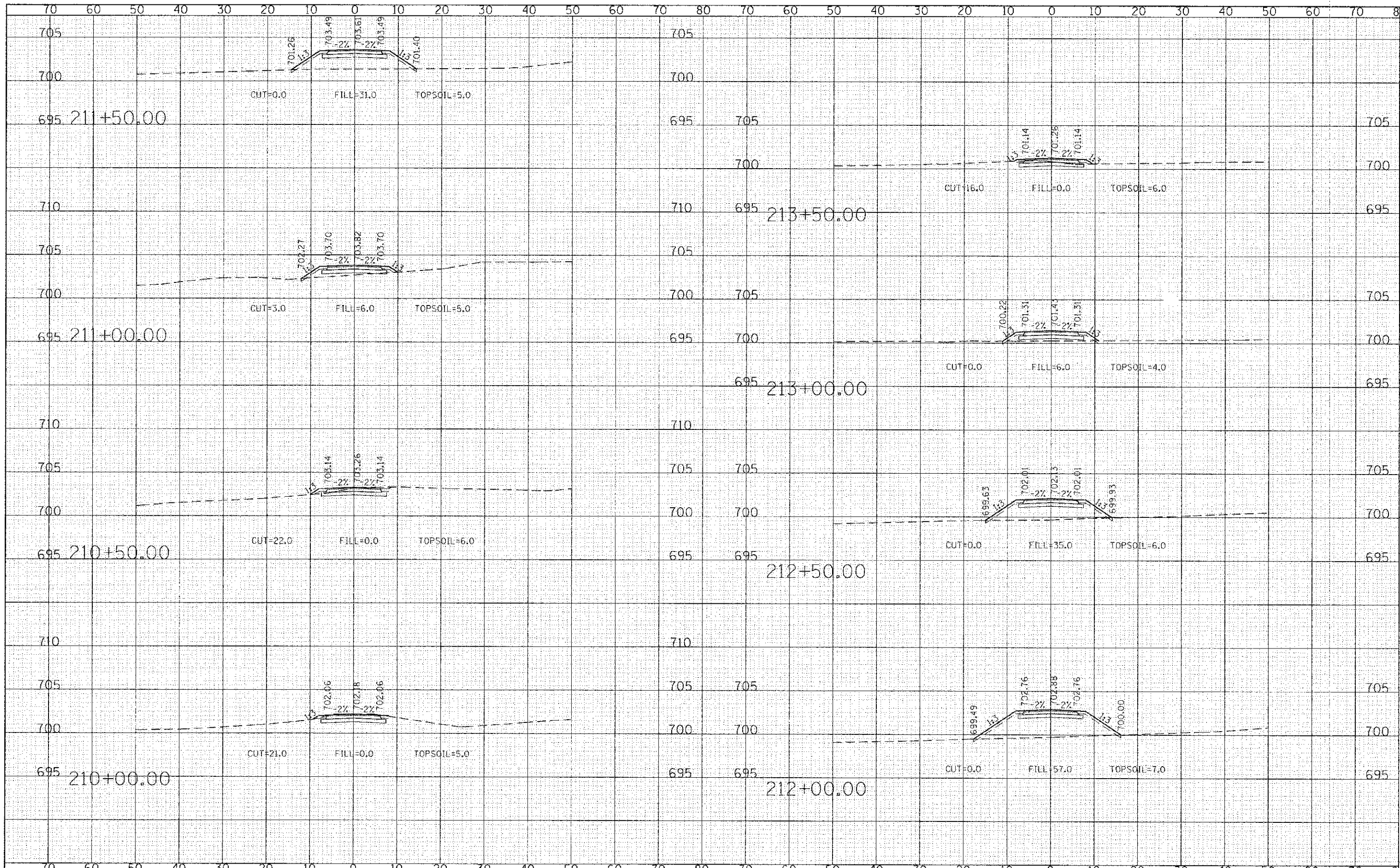
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	DATE
	AREAS CHECKED



FILE NAME =	USER NAME = mdsonteford	DESIGNED - DEC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUSSE WOODS TRAIL OVERPASS CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\CH01\0437\Road\Sheets\0437-SHT-XS.dgn	DESIGNED - DEC	REVISED -	09-0058-00-BT			COOK	43	41		
PLOT SCALE = 10.0000' / 1"	CHECKED - DWB	REVISED -	CONTRACT NO. 63809							
PLOT DATE = 2/13/2013	DATE - 02/04/2013	REVISED -	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT							
SCALE: 10H : 5V					SHEET NO. 41 OF 43 SHEETS		STA. 157+00.00 TO STA. 157+50.00			

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 DATE: _____ BY: _____
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DATE: _____ BY: _____
 SURVEYED: _____
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 CHECKED: _____
 DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____



FILE NAME -		USER NAME = mbaertsord	DESIGNED - CEC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUSSE WOODS TRAIL OVERPASS CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
G:\CHEN\8137 Road Sheets\8137-SHT-NSNORTHSPUR.dgn			DRAWN - CEC	REVISED -					09-00058-00-BT	COOK	43	42	
PLOT SCALE = 1/8"=1'-0"			CHECKED - DMB	REVISED -					CONTRACT NO. 63809				
PLOT DATE = 2/13/2013			DATE - 02/04/2013	REVISED -					FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
									SCALE: 10H = 5V	SHEET NO. 35 OF 43 SHEETS	STA. 210+00.00 TO STA. 213+50.00		

DATE	
BY	
FILED	
SURVEY	
NOTED	
NO. BOOK	
AREAS CHECKED	

DATE	
BY	
FILED	
SURVEY	
NOTED	
NO. BOOK	
AREAS CHECKED	

