

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34BR-1	WINNEBAGO	78	1
ILLINOIS CONTRACT NO. 64E68				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

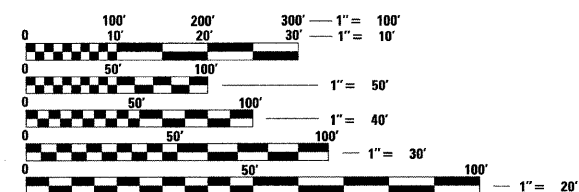
FAP ROUTE 742
SECTION 34BR-1
PROJECT ACF-ACBRF-0742 (129)
BRIDGE REPLACEMENT
WINNEBAGO COUNTY

C-92-002-10

RIE

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION
22,300 (2029) - MAJOR PRINCIPAL ARTERIAL



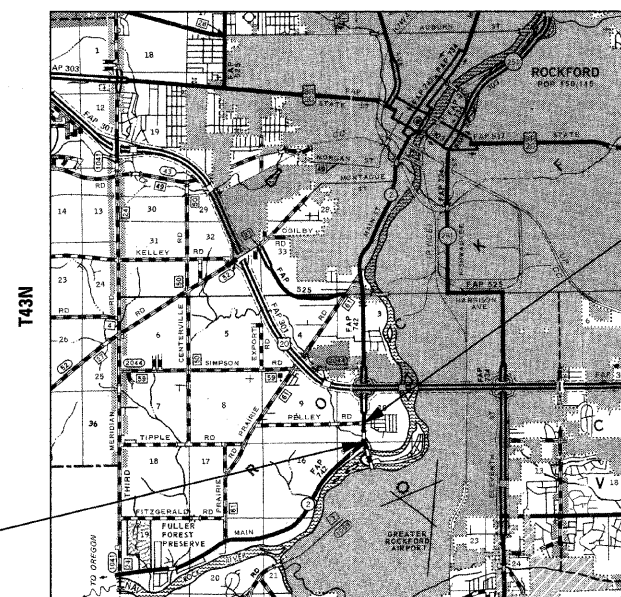
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: MASOOD AHMAD
SQUAD LEADER: SAMEER (SAM) A. ABDULLAH
815-284-5935
PROJECT MANAGER: GREGORY R. BRUMM
DLZ ILLINOIS, INC.
847-640-0840

CONTRACT NO. 64E68
ROCKFORD TOWNSHIP 10 & 15

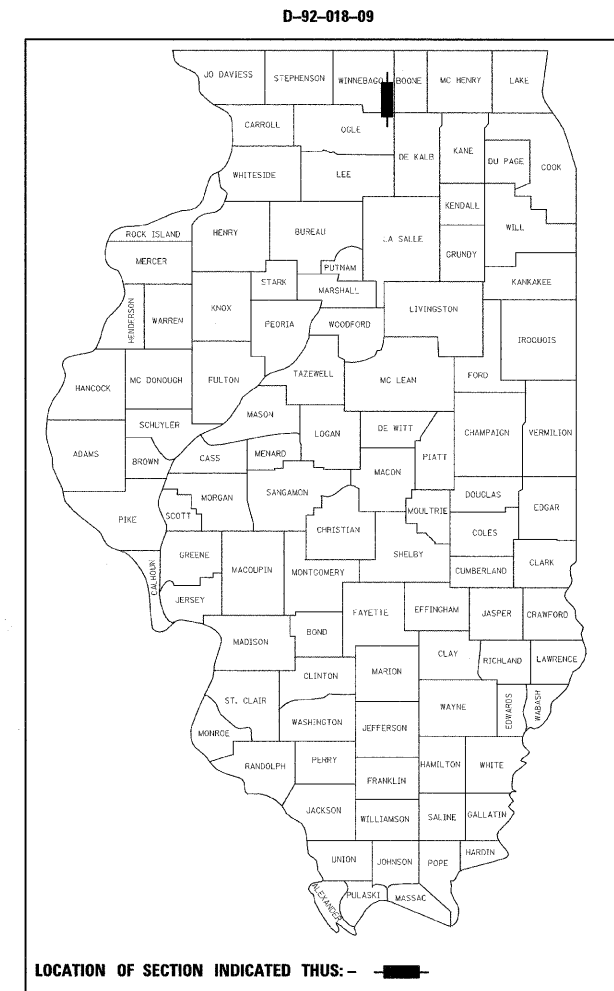
WINNEBAGO COUNTY SECTION 34BR-1 F.A.P. ROUTE 742



GROSS LENGTH = 1,081.31 FT. = 0.20 MILE
NET LENGTH = 1,081.31 FT. = 0.20 MILE

SECTION ENDS
STA 219 + 45.61

SECTION BEGINS
STA 208 + 64.30



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

ROADWAY AND STRUCTURES DESIGNED BY **DLZ**

Gregory R. Brumm
SIGNATURE
11-30-2011
EXPIRES

Peter R. Dombrowski
SIGNATURE
11-30-2010
EXPIRES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 9 2009

George F. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 4, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CODE #	ITEM	UNIT	URBAN TOTAL QUANTITY	STP (L20) CONSTRUCTION TYPE CODE BRF (L1C)	
				80% FEDERAL 20% STATE ROADWAY J000	80% FEDERAL 20% STATE BRIDGE X081-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	996	996	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	130	130	
20200100	EARTH EXCAVATION	CU YD	5250	5250	
20300100	CHANNEL EXCAVATION	CU YD	701	701	
20400100	BORROW EXCAVATION	CU YD	22	22	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	375		375
20800150	TRENCH BACKFILL	CU YD	105	105	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	6050	6050	
* 25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25	
* † 25000750	MOWING	ACRE	1.25	1.25	
* 25100115	MULCH, METHOD 2	ACRE	1.25	1.25	
* 25100630	EROSION CONTROL BLANKET	SQ YD	929	929	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	500	500	
28000305	TEMPORARY DITCH CHECKS	FOOT	543	543	
28000400	PERIMETER EROSION BARRIER	FOOT	204	204	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100105	STONE RIPRAP, CLASS A3	SQ YD	115	115	
28100109	STONE RIPRAP, CLASS A5	SQ YD	1053		1053
28200200	FILTER FABRIC	SQ YD	1168	115	1053
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	7660	7660	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	118	118	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	186	186	
40600990	TEMPORARY RAMP	SQ YD	331	331	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	110	110	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	34	34	
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SQ YD	3787	3787	
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	1647	1647	
44000100	PAVEMENT REMOVAL	SQ YD	5347	5347	
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	938	938	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	47	47	
44003100	MEDIAN REMOVAL	SQ FT	1549	1549	
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	1549	1549	
44000700	APPROACH SLAB REMOVAL	SQ YD	290	290	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	27	27	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	186	186	
48300410	PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2"	SQ YD	1088	1088	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50200100	STRUCTURE EXCAVATION	CU YD	124		124

* SPECIALTY ITEM
† NON-PARTICIPATING
100% STATE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	742	34BR-1	WINNEBAGO	78	3
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -						CONTRACT NO. 64E68						
	PLOT DATE = #DATE#	DATE -	REVISED -						ILLINOIS FED. AID PROJECT						

CODE #	ITEM	UNIT	URBAN TOTAL QUANTITY	STP (L20) CONSTRUCTION TYPE CODE BRF (L1C)	
				80% FEDERAL 20% STATE ROADWAY J000	80% FEDERAL 20% STATE BRIDGE X081-2A
50300225	CONCRETE STRUCTURES	CU YD	126.2		126.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD	599.2		599.2
50300260	BRIDGE DECK GROOVING	SQ YD	1048		1048
50300280	CONCRETE ENCASEMENT	CU YD	12.6		12.6
50300300	PROTECTIVE COAT	SQ YD	1399		1399
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 48 IN.	FOOT	927.0		927.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	129490		129490
50800515	BAR SPLICERS	EACH	702		702
51201610	FURNISHING STEEL PILES HP12X63	FOOT	2193		2193
51202305	DRIVING PILES	FOOT	2193		2193
51203610	TEST PILE STEEL HP12X63	EACH	2		2
51500100	NAME PLATES	EACH	1		1
542D1060	PIPE CULVERTS, CLASS D, TYPE 2 15"	FOOT	58	58	
54213450	END SECTIONS 15"	EACH	2	2	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	EACH	2	2	
54215547	METAL END SECTIONS 12"	EACH	2	2	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	332	332	
55100500	STORM SEWER REMOVAL 12"	FOOT	152	152	
55100700	STORM SEWER REMOVAL 15"	FOOT	46	46	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	180		180
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	6	6	
60100945	PIPE DRAINS 12"	FOOT	62	62	
60107600	PIPE UNDERDRAINS 4"	FOOT	1123	1123	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	144	144	
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	215		215
60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	1	1	
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
60240312	INLETS, TYPE B, TYPE 11V FRAME AND GRATE	EACH	2	2	
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	1	1	
60261320	INLETS TO BE ADJUSTED WITH NEW TYPE 11V FRAME AND GRATE	EACH	1	1	
60500060	REMOVING INLETS	EACH	2	2	
60500305	FILLING INLETS	EACH	2	2	
60500310	FILLING INLETS, SPECIAL	EACH	1	1	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	129	129	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	581	581	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	3450	3450	
60619900	CONCRETE MEDIAN, TYPE SB-6.12 (SPECIAL)	SQ FT	2178	2178	

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34BR-1	WINNEBAGO	78	4
CONTRACT NO. 64E68				
ILLINOIS FED. AID PROJECT				

CODE #	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				STP (L20) 80% FEDERAL 20% STATE ROADWAY J000	BRF (L1C) 80% FEDERAL 20% STATE BRIDGE X081-2A
60620300	CONCRETE MEDIAN, TYPE SB-6.24 (SPECIAL)	SQ FT	101	101	
60624600	CORRUGATED MEDIAN	SQ FT	1471	1471	
60900515	CONCRETE THRUST BLOCKS	EACH	2	2	
61000230	TYPE F INLET BOX, STANDARD 610001 (SPECIAL)	EACH	2	2	
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 POSTS FOOT	FOOT	150	150	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	353	353	
63500105	DELINEATORS	EACH	4	4	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	9	9	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70100400	TRAFFIC CONTROL AND PROTECTION, STANDARD 701431	EACH	2	2	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1980	1980	
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	392.2	392.2	
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	44592	44592	
70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	118	118	
70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	136	136	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	16187	16187	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1000	1000	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	675	675	
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	280.8	280.8	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	14069	14069	
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	1908	1908	
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	1098	1098	
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	72	72	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	24	24	
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	20	20	
* 78100300	REPLACEMENT REFLECTOR	EACH	230	230	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16	
* 78200520	BARRIER WALL MARKERS, TYPE B	EACH	8	8	
* 78201000	TERMINAL MARKER-DIRECT APPLIED	EACH	4	4	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34BR-1	WINNEBAGO	78	5
CONTRACT NO. 64E68				
ILLINOIS FED. AID PROJECT				

CODE #	ITEM	UNIT	URBAN TOTAL QUANTITY	STP (L20) CONSTRUCTION TYPE CODE BRF (L1C)	
				80% FEDERAL 20% STATE ROADWAY J000	80% FEDERAL 20% STATE BRIDGE X081-2A
78300100	PAVEMENT MARKING REMOVAL	SQ FT	5524	5524	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	253	253	
81400115	HANDHOLE TO BE ADJUSTED	EACH	1	1	
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
A2005114	TREE, JUGLANS NIGRA (BLACK WALNUT), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	20	20	
A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	20	20	
A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	20	20	
B2001114	TREE, CERCIS CANADENSIS (EASTERN REDBUD) 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	20	20	
B2004114	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	20	20	
C2001748	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 4' HEIGHT, BALLED AND BURLAPPED	EACH	15	15	
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	731		731
X0325409	PILE REMOVAL	EACH	2	2	
X0712400	TEMPORARY PAVEMENT	SQ YD	145	145	
X0919000	TEMPORARY PAVEMENT REMOVAL	SQ YD	145	145	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	7660	7660	
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4	
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34BR-1	WINNEBAGO	78	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E68	

20100110 TREE REMOVAL (6 TO 15 UNITS)

UNIT	LOCATION
7	STA. 216+16 44' RT
7	STA. 216+53 55' RT
9	STA. 216+59 60' RT
7	STA. 216+65 58' RT
12	STA. 213+54 77' LT
12	STA. 213+54 77' LT
8	STA. 213+98 66' LT
9	STA. 214+06 73' LT
10	STA. 214+10 74' LT
9	STA. 214+10 74' LT
7	STA. 214+30 74' LT
7	STA. 214+33 75' LT
10	STA. 214+34 73' LT
12	STA. 214+40 73' LT
10	STA. 214+62 76' LT
8	STA. 214+69 76' LT
7	STA. 215+76 76' LT
7	STA. 215+76 76' LT
8	STA. 215+76 76' LT
12	STA. 214+88 55' LT
6	STA. 214+94 51' LT
9	STA. 215+02 80' LT
9	STA. 215+25 60' LT
11	STA. 215+27 60' LT
10	STA. 215+28 67' LT
6	STA. 215+50 67' LT
9	STA. 215+55 70' LT
9	STA. 215+55 70' LT
7	STA. 215+55 64' LT
11	STA. 215+55 58' LT
7	STA. 215+57 59' LT
12	STA. 215+71 50' LT
15	STA. 215+71 62' LT
7	STA. 215+76 67' LT
6	STA. 215+70 74' LT
7	STA. 215+73 80' LT
6	STA. 215+86 75' LT
8	STA. 215+91 75' LT
7	STA. 215+93 75' LT
11	STA. 215+90 57' LT
8	STA. 216+00 55' LT
7	STA. 216+00 55' LT
7	STA. 216+00 55' LT
9	STA. 216+00 55' LT
10	STA. 215+92 65' LT
14	STA. 215+93 65' LT
7	STA. 215+98 70' LT
7	STA. 215+93 75' LT
8	STA. 215+91 75' LT
6	STA. 215+86 75' LT
12	STA. 219+32 81' LT
9	STA. 219+31 81' LT
9	STA. 216+42 65' LT
8	STA. 219+02 55' LT
8	STA. 218+94 67' LT
9	STA. 218+82 60' LT
11	STA. 218+81 61' LT
8	STA. 218+78 57' LT
7	STA. 218+77 58' LT
9	STA. 218+75 90' LT
12	STA. 218+92 93' LT
11	STA. 218+52 91' LT
15	STA. 218+50 85' LT
13	STA. 218+62 56' LT
8	STA. 218+11 75' LT
11	STA. 218+00 75' LT
12	STA. 218+04 67' LT
10	STA. 217+95 68' LT
11	STA. 217+94 66' LT
8	STA. 217+97 77' LT
10	STA. 217+89 76' LT
12	STA. 217+90 77' LT
13	STA. 217+84 87' LT
7	STA. 217+80 70' LT
8	STA. 217+81 70' LT
10	STA. 217+82 59' LT

20100110 TREE REMOVAL (6 TO 15 UNITS) (CONT.)

UNIT	LOCATION
7	STA. 217+82 59' LT
12	STA. 217+73 58' LT
8	STA. 217+67 63' LT
14	STA. 217+53 62' LT
8	STA. 217+50 50' LT
14	STA. 217+45 48' LT
6	STA. 217+32 60' LT
13	STA. 217+32 60' LT
13	STA. 217+27 52' LT
7	STA. 217+18 50' LT
7	STA. 217+20 62' LT
9	STA. 217+06 52' LT
9	STA. 217+00 50' LT
11	STA. 216+98 55' LT
10	STA. 216+98 56' LT
9	STA. 217+00 73' LT
6	STA. 217+00 73' LT
9	STA. 217+05 72' LT
1	STA. 216+78 65' LT
7	STA. 216+78 65' LT
12	STA. 216+65 60' LT
12	STA. 216+65 61' LT
6	STA. 216+60 61' LT
15	STA. 217+07 100' LT
6	STA. 217+07 100' LT
6	STA. 217+06 100' LT
6	STA. 217+06 100' LT
15	STA. 217+03 105' LT
11	STA. 216+95 95' LT
8	STA. 216+50 102' LT
12	STA. 216+50 105' LT
12	STA. 216+50 105' LT

996 TOTAL

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION
16	STA. 216+50 99' LT
16	STA. 217+81 60' LT
21	STA. 214+94 50' LT
17	STA. 215+10 78' LT
26	STA. 215+25 66' LT
17	STA. 215+28 67' LT
17	STA. 215+92 63' LT

130 TOTAL

20800150 TRENCH BACKFILL

CU YD	LOCATION
13	STA 211+31 TO STA 212+11 US 1 TO DS 2
2	STA 212+21 TO STA 212+11 US 3 TO DS 2
10	STA 212+11 TO STA 212+11 US 2 TO DS 4
15	STA 213+14 TO STA 213+59.94 US 5 TO DS 6
3	STA 213+70 TO STA 213+59.94 US 8 TO DS 7
3	STA 213+59.94 TO STA 213+59.94 US 7 TO DS 6
12	STA 213+59.94 TO STA 213+95 US 6 TO DS 9
6	STA 213+81 TO STA 213+95 US 10 TO DS 9
24	STA 213+95 TO STA 213+95 US 9 TO DS 11
3	STA 210+82 TO STA 212+35 12" SS REM
9	STA 212+35 TO STA 212+35 15" SS REM
5	STA 213+11 TO STA 213+73 15" CULVERT

105 TOTAL

21101615 TOPSOIL FURNISH AND PLACE, 4"

SQ YD	LOCATION
968	STA. 210+00 TO STA. 213+33 LT STAGE 1
629	STA. 213+50 TO STA. 216+06 LT STAGE 1
774	STA. 213+50 TO STA. 215+97 LT STAGE 1
98	STA. 216+80 TO STA. 219+96 LT STAGE 1
1404	STA. 216+76 TO STA. 219+96 LT STAGE 1
774	STA. 210+34 TO STA. 215+00 RT STAGE 2
629	STA. 210+46 TO STA. 216+00 RT STAGE 2
387	STA. 216+59 TO STA. 218+50 RT STAGE 2
387	STA. 217+50 TO STA. 218+94 RT STAGE 2
6050	TOTAL

25000210 SEEDING, CLASS 2A

ACRE	LOCATION
0.20	STA. 210+00 TO STA. 213+33 LT STAGE 1
0.13	STA. 213+50 TO STA. 216+06 LT STAGE 1
0.16	STA. 213+50 TO STA. 215+97 LT STAGE 1
0.02	STA. 216+80 TO STA. 219+96 LT STAGE 1
0.29	STA. 216+76 TO STA. 219+96 LT STAGE 1
0.16	STA. 210+34 TO STA. 215+00 RT STAGE 2
0.13	STA. 210+46 TO STA. 216+00 RT STAGE 2
0.08	STA. 216+59 TO STA. 218+50 RT STAGE 2
0.08	STA. 217+50 TO STA. 218+94 RT STAGE 2
1.25	TOTAL

25000750 MOWING

ACRE	LOCATION
0.20	STA. 210+00 TO STA. 213+33 LT STAGE 1
0.13	STA. 213+50 TO STA. 216+06 LT STAGE 1
0.16	STA. 213+50 TO STA. 215+97 LT STAGE 1
0.02	STA. 216+80 TO STA. 219+96 LT STAGE 1
0.29	STA. 216+76 TO STA. 219+96 LT STAGE 1
0.16	STA. 210+34 TO STA. 215+00 RT STAGE 2
0.13	STA. 210+46 TO STA. 216+00 RT STAGE 2
0.08	STA. 216+59 TO STA. 218+50 RT STAGE 2
0.08	STA. 217+50 TO STA. 218+94 RT STAGE 2
1.25	TOTAL

25100115 MULCH, METHOD 2

ACRE	LOCATION
0.20	STA. 210+00 TO STA. 213+33 LT STAGE 1
0.13	STA. 213+50 TO STA. 216+06 LT STAGE 1
0.16	STA. 213+50 TO STA. 215+97 LT STAGE 1
0.02	STA. 216+80 TO STA. 219+96 LT STAGE 1
0.29	STA. 216+76 TO STA. 219+96 LT STAGE 1
0.16	STA. 210+34 TO STA. 215+00 RT STAGE 2
0.13	STA. 210+46 TO STA. 216+00 RT STAGE 2
0.08	STA. 216+59 TO STA. 218+50 RT STAGE 2
0.08	STA. 217+50 TO STA. 218+94 RT STAGE 2
1.25	TOTAL

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION
116	STA. 210+50 TO STA. 213+05 LT STAGE 1
139	STA. 213+73 TO STA. 216+07 LT STAGE 1
103	STA. 210+33 TO STA. 215+00 RT STAGE 2
268	STA. 215+00 TO STA. 215+97 RT STAGE 2
303	STA. 216+58 TO STA. 218+50 RT STAGE 2
929	TOTAL

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION (4 APPLICATIONS)
80	STA. 210+00 TO STA. 213+33 LT STAGE 1
52	STA. 213+50 TO STA. 216+06 LT STAGE 1
64	STA. 213+50 TO STA. 215+97 LT STAGE 1
8	STA. 216+80 TO STA. 219+96 LT STAGE 1
116	STA. 216+76 TO STA. 219+96 LT STAGE 1
64	STA. 210+34 TO STA. 215+00 RT STAGE 2
52	STA. 210+46 TO STA. 216+00 RT STAGE 2
32	STA. 216+59 TO STA. 218+50 RT STAGE 2
32	STA. 217+50 TO STA. 218+94 RT STAGE 2
500	TOTAL

28000305 TEMPORARY DITCH CHECKS

FOOT	LOCATION
12	STA. 210+69 RT
9	STA. 211+10 RT
9	STA. 211+53 RT
8	STA. 212+28 RT
8	STA. 213+03 RT
9	STA. 213+78 RT
8	STA. 214+53 RT
8	STA. 215+06 RT
8	STA. 215+22 RT
15	STA. 215+39 RT
15	STA. 215+55 RT
15	STA. 215+71 RT
17	STA. 215+88 RT
17	STA. 216+04 RT
17	STA. 216+20 RT
9	STA. 216+47 RT
9	STA. 216+57 RT
9	STA. 216+67 RT
9	STA. 216+77 RT
9	STA. 216+87 RT
9	STA. 216+97 RT
9	STA. 217+07 RT
9	STA. 217+17 RT
9	STA. 217+27 RT
9	STA. 217+37 RT
9	STA. 217+47 RT
9	STA. 217+59 RT
9	STA. 217+73 RT
10	STA. 217+87 RT
10	STA. 218+01 RT
10	STA. 218+15 RT
10	STA. 218+29 RT
11	STA. 218+43 RT
13	STA. 210+89 LT
13	STA. 211+59 LT
10	STA. 212+29 LT
10	STA. 214+39 LT
9	STA. 215+02 LT
9	STA. 215+15 LT
9	STA. 215+29 LT
9	STA. 215+42 LT
9	STA. 215+56 LT
9	STA. 215+69 LT
9	STA. 215+83 LT
9	STA. 215+96 LT
9	STA. 216+10 LT
9	STA. 216+23 LT
9	STA. 216+56 LT
9	STA. 216+75 LT
9	STA. 216+95 LT
9	STA. 217+14 LT
9	STA. 217+33 LT
9	STA. 217+53 LT
10	STA. 217+95 LT
543	TOTAL

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		742	348R-1	WINNEBAGO	78	7				
		CHECKED -	REVISED -		CONTRACT NO. 64E68								
		DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

28000400 PERIMETER EROSION BARRIER	40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	44003510 MEDIAN REMOVAL PARTIAL DEPTH	54215547 METAL END SECTIONS 12"
FOOT LOCATION	TON LOCATION	SQ FT LOCATION	EACH LOCATION
204 STA. 218+00 TO STA 220+00 LT STAGE 1	110 STA. 214+74.47 TO STA 218+02.62	1549 STA. 208+64.3 TO STA. 212+46.1 PRE-STAGE 1	1 STA. 215+59.4 RT
204 TOTAL	110 TOTAL	1549 TOTAL	1 STA. 215+59.4 LT
28000500 INLET AND PIPE PROTECTION	40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING	44000700 APPROACH SLAB REMOVAL	550A0340 STORM SEWERS, CLASS A, TYPE 2 12"
EACH LOCATION	TON LOCATION	SQ YD LOCATION	FOOT LOCATION
1 STA. 213+05 LT STAGE 1	34 STA. 213+06.5 TO STA 214+25.5	146 STA. 215+99 TO STA. 216+19	332 SEE TABLE IN PP SHEET
1 TOTAL	34 TOTAL	144 STA. 216+58 TO STA. 216+78	332 TOTAL
28100105 STONE RIPRAP, CLASS A3	42000411 PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	44201761 CLASS D, TYPE I, 10 INCH	55100500 STORM SEWER REMOVAL 12"
SQ YD LOCATION	SQ YD LOCATION	SQ YD LOCATION	FOOT LOCATION
115 STA. 215+00 RT STAGE 2	1574 STA. 210+43.79 TO STA. 214+67.27 LT	9 STA. 210+82 RT	152 STA. 210+82 TO 212+35
115 TOTAL	1123 STA. 210+43.79 TO STA. 214+67.27 RT	9 STA. 212+35 RT	152 TOTAL
28200200 FILTER FABRIC	1091 STA. 218+06 TO STA. 219+45.6LT & RT	9 STA. 208+75 RT	55100700 STORM SEWER REMOVAL 15"
SQ YD LOCATION	3787 TOTAL	27 TOTAL	FOOT LOCATION
115 STA. 215+00 RT STAGE 2	42001420 BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	48101200 AGGREGATE SHOULDERS, TYPE B 9 1/2"	46 STA. 212+35 RT
115 TOTAL	SQ YD LOCATION	TON LOCATION	46 TOTAL
31100910 SUB-BASE GRANULAR MATERIAL, TYPE A 12"	397 STA. 214+67.3 TO STA. 215+67.3 LT	57 STA. 210+43.8 TO STA. 213+10.6 LT	60100060 CONCRETE HEADWALL FOR PIPE DRAINS
SQ YD LOCATION	393 STA. 214+67.3 TO STA. 215+67.3 RT	24 STA. 213+96 TO STA. 215+52.3 LT	EACH LOCATION
5051.2 SOUTH OF BRIDGE	427 STA. 217+06.02 TO STA. 218+06.03 LT	16 STA. 217+21 TO STA. 219+45.61 LT	2 STA. 213+59.9 RT
2608.8 NORTH OF BRIDGE	430 STA. 217+06.02 TO STA. 218+06.03 RT	73 STA. 210+43.8 TO STA. 214+10.00 RT	2 STA. 213+95.7 RT
7660.0 TOTAL	1647 TOTAL	17 STA. 217+21 TO STA. 218+82.2 RT	1 STA. 217+16.02 RT
35101400 AGGREGATE BASE COURSE, TYPE B	44000100 PAVEMENT REMOVAL	186 TOTAL	1 STA. 217+06.02 LT
TON LOCATION	SQ YD LOCATION	48300410 PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2"	6 TOTAL
118 STA. 213+42 LT C.E.	3810 STA. 210+43.79 TO STA. 215+99 LT & RT	SQ YD LOCATION	60100945 PIPE DRAINS 12"
118 TOTAL	1537 STA. 216+78 TO STA. 219+45.6LT & RT	328 STA. 210+43.78 TO STA. 214+67.27 LT	FOOT LOCATION
40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	5347 TOTAL	493 STA. 210+43.78 TO STA. 214+67.27 RT	32 STA. 215+59.4 RT
SQ YD LOCATION	44000152 HOT MIX ASPHALT SURFACE REMOVAL, 3/4"	182 STA. 218+06 TO STA. 219+45.61 LT	30 STA. 215+59.4 LT
102 STA. 214+74.47 TO STA. 214+99.47 RT	SQ YD LOCATION	82 STA. 218+06 TO STA. 218+82.2 RT	62 TOTAL
84 STA. 217+77.62 TO STA. 218+02.62 RT	938 STA. 214+99.47 TO STA. 217+77.62 LT & RT	3 STA. 219+38 TO STA. 219+45.61 RT	60107600 PIPE UNDERDRAINS 4"
186 TOTAL	938 TOTAL	1088 TOTAL	FOOT LOCATION
40600990 TEMPORARY RAMP	44000500 COMBINATION CURB AND GUTTER REMOVAL	542D1060 PIPE CULVERTS, CLASS D, TYPE 2 15"	311 STA. 210+44 TO STA. 213+60 RT
SQ YD LOCATION	FOOT LOCATION	FOOT LOCATION	192 STA. 213+60 TO STA. 215+52 RT
179 STA. 214+74.47 TO STA 215+19.47	22 STA. 218+94 TO STA. 218+94 RT	58 STA. 213+42 LT	84 STA. 213+11 TO STA. 213+96 LT
152 STA. 217+57.62 TO STA 218+02.62	25 STA. 219+23 TO STA. 219+23 RT	58 TOTAL	156 STA. 213+96 TO STA. 215+52 LT
331 TOTAL	47 TOTAL	54213450 END SECTION 15"	230 STA. 217+06 TO STA. 219+46 LT
44003100 MEDIAN REMOVAL	44003100 MEDIAN REMOVAL	FOOT LOCATION	150 STA. 217+16 TO STA. 218+66 RT
SQ FT LOCATION	SQ FT LOCATION	1 STA. 213+13.5 LT	1123 TOTAL
1549 STA. 208+64.3 TO STA. 212+46.1 STAGE 3	1549 STA. 208+64.3 TO STA. 212+46.1 STAGE 3	1 STA. 213+71.3 LT	
1549 TOTAL	1549 TOTAL	2 TOTAL	
		54213657 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	
		EACH LOCATION	
		1 STA. 212+11 RT	
		1 STA. 213+95 RT	
		2 TOTAL	

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#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	WINNEBAGO	78	8
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -								CONTRACT NO. 64E68		
	PLOT DATE = #DATE#	DATE -	REVISED -								ILLINOIS FED. AID PROJECT		

60108100 PIPE UNDERDRAINS 4" (SPECIAL)

FOOT	LOCATION
24	STA. 213+60 RT FROM NORTH
24	STA. 213+60 RT FROM SOUTH
24	STA. 213+96 LT FROM NORTH
24	STA. 213+96 RT FROM SOUTH
24	STA. 217+16 LT
24	STA. 217+16 RT

144 TOTAL

60201110 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE

EACH	LOCATION
1	STA. 212+11 LT
1	TOTAL

60201340 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE

EACH	LOCATION
1	STA. 213+14 LT
1	STA. 213+60 RT
1	STA. 213+81 LT
3	TOTAL

60218400 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

EACH	LOCATION
1	STA. 213+60 MID
1	STA. 213+95 MID
2	TOTAL

60240312 INLETS, TYPE B, TYPE 11V FRAME AND GRATE

EACH	LOCATION
1	STA. 211+21 RT
1	STA. 212+21 LT
2	TOTAL

60240328 INLETS, TYPE B, TYPE 24 FRAME AND GRATE

EACH	LOCATION
1	STA. 213+70 RT
1	TOTAL

60261320 INLETS TO BE ADJUSTED WITH NEW TYPE 11V FRAME AND GRATE

EACH	LOCATION
1	STA. 208+75 RT
1	TOTAL

60500060 REMOVING INLETS

EACH	LOCATION
1	STA. 210+82 RT
1	STA. 212+35 RT
2	TOTAL

60500305 FILLING INLETS

EACH	LOCATION
1	STA. 210+82 RT
1	STA. 212+35 RT
2	TOTAL

60500310 FILLING INLETS, SPECIAL

EACH	LOCATION
1	STA. 208+75 RT
1	TOTAL

60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

FOOT	LOCATION
70	STA. 212+42 TO STA. 213+11 LT
26	STA. 218+82 TO STA. 218+94 RT
34	STA. 219+24 TO STA. 219+38 RT
129	TOTAL

60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

FOOT	LOCATION
256	STA. 213+11 TO STA. 215+67 LT
325	STA. 212+42 TO STA. 215+67 LT
581	TOTAL

60618300 CONCRETE MEDIAN SURFACE, 4 INCH

SQ FT	LOCATION
3450	STA. 212+42 TO STA. 215+67 LT & RT
3450	TOTAL

60619900 CONCRETE MEDIAN, TYPE SB-6.12 (SPECIAL)

SQ FT	LOCATION
2178	STA. 208+64 TO STA. 212+42 LT & RT
2178	TOTAL

60620300 CONCRETE MEDIAN, TYPE SB-6.24 (SPECIAL)

SQ FT	LOCATION
101	STA. 217+06 TO STA. 217+14 LT & RT
101	TOTAL

60624600 CORRUGATED MEDIAN

SQ FT	LOCATION
1471	STA. 217+14 TO STA. 218+21 LT & RT
1471	TOTAL

60900515 CONCRETE THRUST BLOCKS

EACH	LOCATION
1	STA. 215+59.4 RT
1	STA. 215+59.4 LT
2	TOTAL

61000230 TYPE F INLET BOX, STANDARD 610001 (SPECIAL)

EACH	LOCATION
1	STA. 215+59.4 RT
1	STA. 215+59.4 LT
2	TOTAL

63000000 SPBGR, TYPE A, 6' POST

FOOT	LOCATION
75	STA. 214+64.1 TO STA. 215+39.1 RT
75	STA. 217+34.2 TO STA. 218+09.02 LT
150	TOTAL

63100085 TRAFFIC BARRIER TERMINAL, TYPE 6

EACH	LOCATION
1	STA. 215+39.1 RT
1	STA. 215+89.1 LT
1	STA. 216+91 LT
1	STA. 216+91 RT
4	TOTAL

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

EACH	LOCATION
1	STA. 214+14 RT
1	STA. 217+34 RT
1	STA. 218+09 LT
1	STA. 214+89 LT
4	TOTAL

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION
176	STA. 216+78 TO STA. 218+32 LT
177	STA. 214+43 TO STA. 216+19 RT
353	TOTAL

63500105 DELINEATORS

EACH	LOCATION
1	STA. 214+89.1 LT
1	STA. 214+14.1 RT
1	STA. 218+59.2 LT
1	STA. 217+84.2 RT
4	TOTAL

66600105 FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

EACH	LOCATION
1	STA. 217+97.6 91.76 LT
1	STA. 216+25.00 90.00 LT
1	STA. 220+00.00 130.00 LT
1	STA. 220+00.00 75.00 LT
1	STA. 212+00.00 73.44 RT
1	STA. 212+00.00 80.00 RT
1	STA. 212+86.07 85.00 RT
1	STA. 219+55.00 90.00 RT
1	STA. 219+55.00 75.00 RT
9	TOTAL

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION
1	ON THE BRIDGE
1	TOTAL

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#FILE#		DRAWN -	REVISED -		742	34BR-1	WINNEBAGO	78	9				
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		CONTRACT NO. 64E68								
	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

70300100 SHORT-TERM PAVEMENT MARKING

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

FOOT	LOCATION	FOOT	LOCATION
12	STA 210+44 TO STA 213+11 LT WHITE 4' DIAGONAL @ 100'	90	STA 208+77 TO STA 209+61 LT S1 WHITE RT TRN LN EDGE
24	STA 234+26 TO STA 240+54 LT WHITE 4' DIAGONAL @ 100'	136	STA 209+02 TO STA 210+31 LT S1 WHITE RT TRN LN EDGE
4	STA 240+00 TO STA 240+52 LT WHITE 4' @ 40' LN DIVIDE	92	STA 208+69 TO STA 209+61 LT S1 WHITE EDGE LINE
12	STA 207+67 TO STA 210+43 LT WHITE 4' DIAGONAL @ 100'	1240	STA 210+31 TO STA 223+41 LT S1 WHITE EDGE LINE
4	STA 210+43 TO STA 211+11 LT WHITE 4' DIAGONAL @ 100'	1715	STA 223+81 TO STA 240+54 LT S1 WHITE EDGE LINE
40	STA 213+11 TO STA 223+35 LT WHITE 4' DIAGONAL @ 100'	277	STA 237+75 TO STA 240+52 LT S1 YELLOW RAMP EDGE LINE
36	STA 223+91 TO STA 232+75 LT WHITE 4' DIAGONAL @ 100'	840	STA 237+75 TO STA 246+15 LT S1 WHITE EDGE LINE
20	STA 238+09 TO STA 240+00 LT WHITE 4' @ 40' CLANES	115	STA 208+69 TO STA 209+85 LT S1 WHITE LN DIVIDE
20	STA 208+48 TO STA 210+44 LT WHITE 4' @ 40' CLANES	640	STA 211+41 TO STA 214+62 LT S1 YELLOW DOUBLE
44	STA 210+44 TO STA 214+67 LT WHITE 4' @ 40' CLANES	806	STA 214+62 TO STA 218+66 CENTER S1 YELLOW DOUBLE
32	STA 214+67 TO STA 218+06 LT WHITE 4' @ 40' CLANES	194	STA 219+50 TO STA 220+48 CENTER S1 YELLOW DOUBLE
16	STA 218+06 TO STA 219+46 LT WHITE 4' @ 40' CLANES	532	STA 220+48 TO STA 223+13 LT S1 YELLOW DOUBLE
268	STA 219+46 TO STA 246+15 LT WHITE 4' @ 40' CLANES	394	STA 224+12 TO STA 228+05 LT S1 YELLOW EDGE LINE
20	STA 208+48 TO STA 210+44 LT WHITE 4' @ 40' LN DIVIDE	932	STA 209+85 TO STA 214+62 RT S1 YELLOW DOUBLE
8	STA 210+44 TO STA 211+11 LT WHITE 4' @ 40' LN DIVIDE	534	STA 220+48 TO STA 223+14 RT S1 YELLOW DOUBLE
24	STA 215+67 TO STA 218+08 LT YELLOW 4' @ 40'	422	STA 224+12 TO STA 228+34 RT S1 YELLOW EDGE LINE
8	STA 218+08 TO STA 218+82 LT YELLOW 4' @ 40'	541	STA 229+34 TO STA 234+75 RT S1 YELLOW EDGE LINE
40	STA 219+46 TO STA 223+35 LT YELLOW 4' @ 40'	315	STA 215+50 TO STA 218+66 RT S1 WHITE EDGE LINE
48	STA 223+91 TO STA 228+56 LT YELLOW 4' @ 40'	141	STA 219+50 TO STA 220+91 RT S1 WHITE EDGE LINE
36	STA 229+13 TO STA 232+91 LT YELLOW 4' @ 40'	36	STA 1840 TO STA 1873 LT S1 WHITE EDGE LINE BELTLINE
28	STA 214+74 TO STA 217+42 RT YELLOW 4' @ 40' PS1	446	STA 1444 TO STA 1890 LT S1 WHITE EDGE LINE BELTLINE
8	STA 218+06 TO STA 218+82 RT YELLOW 4' @ 40' PS1	1468	STA 1005 TO STA 1744 LT S1 YELLOW DOUBLE BELTLINE
24	STA 215+67 TO STA 218+06 RT YELLOW 4' @ 40'	230	STA 1744 TO STA 1859 LT S1 YELLOW DOUBLE BELTLINE
40	STA 219+46 TO STA 223+35 RT YELLOW 4' @ 40'	1390	STA 1049 TO STA 1744 RT S1 YELLOW DOUBLE BELTLINE
48	STA 223+91 TO STA 228+56 RT YELLOW 4' @ 40'	115	STA 1744 TO STA 1859 RT S1 WHITE LN DIVIDE BELTLINE
36	STA 229+13 TO STA 232+91 RT YELLOW 4' @ 40'	1268	STA 210+44 TO STA 223+08 LT S2 WHITE EDGE LINE
140	STA 232+91 TO STA 246+91 RT YELLOW 4' @ 40'	249	STA 224+09 TO STA 226+58 LT S2 WHITE EDGE LINE
32	STA 214+74 TO STA 218+03 RT WHITE 4' @ 40' CLANES PS1	265	STA 208+49 TO STA 211+11 LT S2 WHITE LN DIVIDE
16	STA 208+71 TO STA 210+44 RT WHITE 4' @ 40' CLANES	260	STA 235+95 TO STA 246+15 LT S2 WHITE CL OF LANES (10'/30')
44	STA 210+44 TO STA 214+67 RT WHITE 4' @ 40' CLANES	117	STA 208+49 TO STA 209+65 LT S2 WHITE LN DIVIDE
32	STA 214+67 TO STA 218+06 RT WHITE 4' @ 40' CLANES	232	STA 208+49 TO STA 209+65 LT S2 YELLOW DOUBLE
16	STA 218+06 TO STA 219+46 RT WHITE 4' @ 40' CLANES	422	STA 209+65 TO STA 211+90 LT S2 YELLOW DOUBLE
276	STA 219+46 TO STA 246+91 RT WHITE 4' @ 40' CLANES	1572	STA 211+90 TO STA 219+75 CENTER S2 YELLOW DOUBLE
12	STA 214+74 TO STA 218+03 RT WHITE 4' DIAGONAL @ 100' PS1	596	STA 219+75 TO STA 223+08 LT S2 YELLOW DOUBLE
36	STA 210+44 TO STA 218+96 RT WHITE 4' DIAGONAL @ 100'	852	STA 224+09 TO STA 228+35 LT S2 YELLOW DOUBLE
8	STA 219+23 TO STA 220+91 RT WHITE 4' DIAGONAL @ 100'	1320	STA 229+35 TO STA 235+95 LT S2 YELLOW DOUBLE
12	STA 1535 TO STA 1810 LT WHITE 4' DIAGONAL @ 100' BELTLINE	452	STA 209+65 TO STA 211+90 RT S2 YELLOW DOUBLE
92	STA 1005 TO STA 1917 LT WHITE 4' @ 40' CLANES BELTLINE	668	STA 219+75 TO STA 223+08 RT S2 YELLOW DOUBLE
16	STA 1006 TO STA 1162 LT WHITE 4' @ 40' LN DIVIDE BELTLINE	850	STA 224+09 TO STA 228+34 RT S2 YELLOW DOUBLE
56	STA 1306 TO STA 1876 LT YELLOW 4' @ 40' BELTLINE	712	STA 229+34 TO STA 232+90 RT S2 YELLOW DOUBLE
16	STA 1162 TO STA 1306 LT YELLOW 4' @ 40' BELTLINE	150	STA 228+65 TO STA 234+75 RT S2 WHITE CL OF LANES (10'/30')
20	STA 1503 TO STA 1686 LT YELLOW 4' @ 40' BELTLINE	1516	STA 208+49 TO STA 223+46 RT S2 WHITE EDGE LINE
48	STA 1006 TO STA 1503 RT YELLOW 4' @ 40' BELTLINE	498	STA 223+73 TO STA 228+53 RT S2 WHITE EDGE LINE
20	STA 1686 TO STA 1891 RT WHITE 4' @ 40' LN DIVIDE BELTLINE	291	STA 1535 TO STA 1826 LT S2 WHITE EDGE LINE BELTLINE
148	STA 398 TO STA 1891 RT WHITE 4' @ 40' CLANES BELTLINE	238	STA 1005 TO STA 1244 LT S2 WHITE LN DIVIDE BELTLINE
24	STA 398 TO STA 1005 RT WHITE 4' DIAGONAL @ 100' BELTLINE	239	STA 1005 TO STA 1244 LT S2 WHITE EDGE LINE BELTLINE
8	STA 1797 TO STA 1875 RT WHITE 4' @ 40' LN DIVIDE BELTLINE	1516	STA 1124 TO STA 1881 LT S2 YELLOW DOUBLE BELTLINE
		1184	STA 1175 TO STA 1766 RT S2 YELLOW DOUBLE BELTLINE
		115	STA 1766 TO STA 1881 RT S2 WHITE LN DIVIDE BELTLINE
		540	STA 398 TO STA 938 RT S2 WHITE EDGE LINE BELTLINE
		689	STA 1005 TO STA 1694 RT S2 WHITE EDGE LINE BELTLINE

1980 TOTAL

70300610 TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS

SO FT	LOCATION	SO FT	LOCATION
64.6	EB THRU/LT TRN LN PS1 2 THRU "ONLY" @ 32.3	121	STA 1759 TO STA 1881 RT S2 WHITE EDGE LINE BELTLINE
46.8	SB LT TRN LN S1 3 LT ARROWS @ 15.6	183	STA 1694 TO STA 1870 RT S2 WHITE RT TRN LN EDGE BELTLINE
46.8	NB LT TRN LN S1 3 LT ARROWS @ 15.6 BELTLINE	120	STA 1759 TO STA 1875 RT S2 WHITE RT TRN LN EDGE BELTLINE
46.8	SB LT TRN LN S2 3 LT ARROWS @ 15.6	1008	STA 213+11 TO STA 223+18 LT S3 WHITE EDGE LINE
46.8	NB LT TRN LN S2 3 LT ARROWS @ 15.6	254	STA 224+03 TO STA 226+57 LT S3 WHITE EDGE LINE
46.8	SB LT TRN LN S2 3 LT ARROWS @ 15.6 BELTLINE	254	STA 208+49 TO STA 211+00 LT S3 WHITE LN DIVIDE
46.8	SB LT TRN LN S3 3 LT ARROWS @ 15.6	115	STA 208+49 TO STA 209+62 LT S3 WHITE LN DIVIDE
46.8	NB LT TRN LN S3 3 LT ARROWS @ 15.6	1473	STA 208+49 TO STA 223+19 LT S3 YELLOW EDGE LINE
		1774	STA 224+03 TO STA 232+90 LT S3 YELLOW DOUBLE
		304	STA 232+90 TO STA 235+95 LT S3 YELLOW EDGE LINE
		1448	STA 208+66 TO STA 223+19 RT S3 YELLOW EDGE LINE
		1164	STA 224+03 TO STA 229+86 RT S3 YELLOW DOUBLE
		865	STA 210+44 TO STA 218+96 RT S3 WHITE EDGE LINE
		181	STA 219+22 TO STA 220+91 RT S3 WHITE EDGE LINE
		315	STA 1535 TO STA 1847 LT S3 WHITE EDGE LINE BELTLINE
		220	STA 1005 TO STA 1891 LT S3 WHITE CL OF LANES (10'/30') BELTLINE
		1770	STA 1005 TO STA 1891 LT S3 YELLOW EDGE LINE BELTLINE
		1770	STA 1005 TO STA 1891 RT S3 YELLOW EDGE LINE BELTLINE
		115	STA 1776 TO STA 1891 RT S3 WHITE LN DIVIDE BELTLINE
		140	STA 398 TO STA 938 RT S3 WHITE CL OF LANES (10'/30')
		100	STA 1796 TO STA 1891 RT S3 WHITE LN DIVIDE
		44592	TOTAL

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	348R-1	WINNEBAGO	78	10
CONTRACT NO. 64E68				
ILLINOIS FED. AID PROJECT				

70300645 TEMPORARY PAINT PAVEMENT MARKING LINE 12"

FOOT	LOCATION
91	STA 209+85 TO STA 214+38 S1 YELLOW DIAGONALS @ 30'
27	STA 219+50 TO STA 223+13 S1 YELLOW DIAGONALS @ 30'
118	TOTAL

70300660 TEMPORARY PAINT PAVEMENT MARKING LINE 24"

FOOT	LOCATION
24	NB STOP S1 BELTLINE
24	SB STOP S1 BELTLINE
20	NB STOP S2 BELTLINE
20	SB STOP S2 BELTLINE
24	NB STOP S3 BELTLINE
24	SB STOP S3 BELTLINE
136	TOTAL

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION
4	STA 210+44 TO STA 213+11 SHORT TERM
8	STA 234+26 TO STA 240+54 SHORT TERM
1	STA 240+00 TO STA 240+52 SHORT TERM
4	STA 207+67 TO STA 210+43 SHORT TERM
1	STA 210+43 TO STA 211+11 SHORT TERM
13	STA 213+11 TO STA 223+35 SHORT TERM
12	STA 223+91 TO STA 232+75 SHORT TERM
7	STA 238+09 TO STA 240+00 SHORT TERM
7	STA 208+48 TO STA 210+44 SHORT TERM
15	STA 210+44 TO STA 214+67 SHORT TERM
11	STA 214+67 TO STA 218+06 SHORT TERM
5	STA 218+06 TO STA 219+46 SHORT TERM
89	STA 219+46 TO STA 246+15 SHORT TERM
7	STA 208+48 TO STA 210+44 SHORT TERM
3	STA 210+44 TO STA 211+11 SHORT TERM
8	STA 215+67 TO STA 218+08 SHORT TERM
3	STA 218+08 TO STA 218+82 SHORT TERM
13	STA 219+46 TO STA 223+35 SHORT TERM
16	STA 223+91 TO STA 228+56 SHORT TERM
12	STA 229+13 TO STA 232+91 SHORT TERM
9	STA 214+74 TO STA 217+42 SHORT TERM
3	STA 218+06 TO STA 218+82 SHORT TERM
3	STA 217+42 TO STA 218+03 SHORT TERM
8	STA 215+67 TO STA 218+06 SHORT TERM
13	STA 219+46 TO STA 223+35 SHORT TERM
16	STA 223+91 TO STA 228+56 SHORT TERM
12	STA 229+13 TO STA 232+91 SHORT TERM
47	STA 232+91 TO STA 246+91 SHORT TERM
11	STA 214+74 TO STA 218+03 SHORT TERM
5	STA 208+71 TO STA 210+44 SHORT TERM
15	STA 210+44 TO STA 214+67 SHORT TERM
11	STA 214+67 TO STA 218+06 SHORT TERM
5	STA 218+06 TO STA 219+46 SHORT TERM
92	STA 219+46 TO STA 246+91 SHORT TERM
11	STA 214+74 TO STA 218+03 SHORT TERM
12	STA 210+44 TO STA 218+96 SHORT TERM
3	STA 219+23 TO STA 220+91 SHORT TERM
4	STA 1535 TO STA 1810 BELTLINE SHORT TERM
31	STA 1005 TO STA 1917 BELTLINE SHORT TERM
5	STA 1006 TO STA 1162 BELTLINE SHORT TERM
19	STA 1306 TO STA 1876 BELTLINE SHORT TERM
5	STA 1162 TO STA 1306 BELTLINE SHORT TERM
7	STA 1503 TO STA 1686 BELTLINE SHORT TERM
16	STA 1006 TO STA 1503 BELTLINE SHORT TERM
7	STA 1686 TO STA 1891 BELTLINE SHORT TERM
49	STA 398 TO STA 1891 BELTLINE SHORT TERM
20	STA 398 TO STA 1005 BELTLINE SHORT TERM
3	STA 1797 TO STA 1875 BELTLINE SHORT TERM
64.6	EB THRU/LT TRN LN PS1 LETTERS & SYMBOLS

70301000 WORK ZONE PAVEMENT MARKING REMOVAL (CONT.)

SQ FT	LOCATION
46.8	SB LT TRN LN S1 LETTERS & SYMBOLS
46.8	NB LT TRN LN S1 LETTERS & SYMBOLS
46.8	SB LT TRN LN S2 LETTERS & SYMBOLS
46.8	NB LT TRN LN S2 LETTERS & SYMBOLS
46.8	SB LT TRN LN S2 LETTERS & SYMBOLS
46.8	SB LT TRN LN S3 LETTERS & SYMBOLS
46.8	NB LT TRN LN S3 LETTERS & SYMBOLS
91.0	STA 209+85 TO STA 214+38 S1 12"
27.0	STA 219+50 TO STA 223+13 S1 12"
24	NB STOP BELTLINE S1 24"
24	SB STOP S1 24"
20	NB STOP BELTLINE S2 24"
20	SB STOP S2 24"
24	NB STOP BELTLINE S3 24"
24	SB STOP S3 24"
30	STA 208+77 TO STA 209+61 S1 4"
45	STA 209+02 TO STA 210+31 S1 4"
31	STA 208+69 TO STA 209+61 S1 4"
413	STA 210+31 TO STA 223+41 S1 4"
572	STA 223+81 TO STA 240+54 S1 4"
92	STA 237+75 TO STA 240+52 S1 4"
280	STA 237+75 TO STA 246+15 S1 4"
38	STA 208+69 TO STA 209+85 S1 4"
213	STA 211+41 TO STA 214+62 S1 4"
269	STA 214+62 TO STA 218+66 S1 4"
65	STA 219+50 TO STA 220+48 S1 4"
177	STA 220+48 TO STA 223+13 S1 4"
131	STA 224+12 TO STA 228+05 S1 4"
311	STA 209+85 TO STA 214+62 S1 4"
178	STA 220+48 TO STA 223+14 S1 4"
141	STA 224+12 TO STA 228+34 S1 4"
180	STA 229+34 TO STA 234+75 S1 4"
105	STA 215+50 TO STA 218+66 S1 4"
47	STA 219+50 TO STA 220+91 S1 4"
12	STA 1840 TO STA 1873 S1 4"
149	STA 1444 TO STA 1890 S1 4"
149	STA 1444 TO STA 1890 S1 4"
489	STA 1005 TO STA 1744 S1 4"
77	STA 1744 TO STA 1859 S1 4"
463	STA 1049 TO STA 1744 S1 4"
38	STA 1744 TO STA 1859 S1 4"
423	STA 210+44 TO STA 223+08 S2 4"
83	STA 224+09 TO STA 226+58 S2 4"
88	STA 208+49 TO STA 211+11 S2 4"
87	STA 235+95 TO STA 246+15 S2 4"
39	STA 208+49 TO STA 209+65 S2 4"
77	STA 208+49 TO STA 209+65 S2 4"
141	STA 209+65 TO STA 211+90 S2 4"
524	STA 211+90 TO STA 219+75 S2 4"
199	STA 219+75 TO STA 223+08 S2 4"
284	STA 224+09 TO STA 228+35 S2 4"
440	STA 229+35 TO STA 235+95 S2 4"
151	STA 209+65 TO STA 211+90 S2 4"
223	STA 219+75 TO STA 223+08 S2 4"
283	STA 224+09 TO STA 228+34 S2 4"
237	STA 229+34 TO STA 232+90 S2 4"
50	STA 228+65 TO STA 234+75 S2 4"
505	STA 208+49 TO STA 223+46 S2 4"
166	STA 223+73 TO STA 228+53 S2 4"
97	STA 1535 TO STA 1826 S2 4"
79	STA 1005 TO STA 1244 S2 4"
80	STA 1005 TO STA 1244 S2 4"
505	STA 1124 TO STA 1881 S2 4"
395	STA 1175 TO STA 1766 S2 4"
38	STA 1766 TO STA 1881 S2 4"
180	STA 398 TO STA 938 S2 4"
230	STA 1005 TO STA 1694 S2 4"
40	STA 1759 TO STA 1881 S2 4"
61	STA 1694 TO STA 1870 S2 4"
40	STA 1759 TO STA 1875 S2 4"
336	STA 213+11 TO STA 223+18 S3 4"

70301000 WORK ZONE PAVEMENT MARKING REMOVAL (CONT.)

SQ FT	LOCATION
85	STA 224+03 TO STA 226+57 S3 4"
85	STA 208+49 TO STA 211+00 S3 4"
38	STA 208+49 TO STA 209+62 S3 4"
491	STA 208+49 TO STA 223+19 S3 4"
591	STA 224+03 TO STA 232+90 S3 4"
101	STA 232+90 TO STA 235+95 S3 4"
483	STA 208+66 TO STA 223+19 S3 4"
388	STA 224+03 TO STA 229+86 S3 4"
288	STA 210+44 TO STA 218+96 S3 4"
60	STA 219+22 TO STA 220+91 S3 4"
105	STA 1535 TO STA 1847 S3 4"
73	STA 1005 TO STA 1891 S3 4"
590	STA 1005 TO STA 1891 S3 4"
590	STA 1005 TO STA 1891 S3 4"
38	STA 1776 TO STA 1891 S3 4"
47	STA 398 TO STA 938 S3 4"
33	STA 1796 TO STA 1891 S3 4"

16187 TOTAL

70400100 TEMPORARY CONCRETE BARRIER

FOOT	LOCATION
375	STA. 214+36.62 TO STA. 218+07.16 S1
625	STA. 215+09.94 TO STA. 221+34.12 S1
1000	TOTAL

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

FOOT	LOCATION
675	STA. 214+60.12 TO STA. 221+34.04 S2
675	TOTAL

78008200 POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS

SQ FT	LOCATION
46.8	SB RT TRN LANE 3 RT ARROWS
46.8	SB LT TRN LANE 3 LT ARROWS
78	EB THRU/LT LANE 3 LT/THRU ARROWS
46.8	SB LT TRN LANE 3 LT ARROWS BELTLINE
15.6	NB RT TRN LANE 1 RT ARROW BELTLINE
46.8	NB LT TRN LANE 3 LT ARROWS BELTLINE
280.8	TOTAL

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		742	34BR-1	WINNEBAGO	78	11				
		CHECKED -	REVISED -		CONTRACT NO. 64E68								
		DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

78008210 POLYUREA PAVEMENT MARKING TYPE I - LINE 4"

FOOT LOCATION

267	STA	21044	TO	STA	21311	LT	WHITE	EDGE OF LANE	
1024	STA	21311	TO	STA	22335	LT	WHITE	EDGE OF LANE	
884	STA	22391	TO	STA	23275	LT	WHITE	EDGE OF LANE	
50	STA	23809	TO	STA	24000	LT	WHITE	CL OF LANES (10'/40')	
50	STA	20848	TO	STA	21044	LT	WHITE	CL OF LANES (10'/40')	
110	STA	21044	TO	STA	21467	LT	WHITE	CL OF LANES (10'/40')	
80	STA	21467	TO	STA	21806	LT	WHITE	CL OF LANES (10'/40')	
40	STA	21806	TO	STA	21946	LT	WHITE	CL OF LANES (10'/40')	
670	STA	21946	TO	STA	24615	LT	WHITE	CL OF LANES (10'/40')	
241	STA	21567	TO	STA	21808	LT	YELLOW	SOLID	
148	STA	21808	TO	STA	21882	LT	YELLOW	DOUBLE	
389	STA	21946	TO	STA	22335	LT	YELLOW	SOLID	
465	STA	22391	TO	STA	22856	LT	YELLOW	SOLID	
378	STA	22913	TO	STA	23291	LT	YELLOW	SOLID	
152	STA	21806	TO	STA	21882	RT	YELLOW	DOUBLE	
239	STA	21567	TO	STA	21806	RT	YELLOW	SOLID	
389	STA	21946	TO	STA	22335	RT	YELLOW	SOLID	
465	STA	22391	TO	STA	22856	RT	YELLOW	SOLID	
378	STA	22913	TO	STA	23291	RT	YELLOW	SOLID	
1400	STA	23291	TO	STA	24691	RT	YELLOW	SOLID	
40	STA	20871	TO	STA	21044	RT	WHITE	CL OF LANES (10'/40')	
110	STA	21044	TO	STA	21467	RT	WHITE	CL OF LANES (10'/40')	
80	STA	21467	TO	STA	21806	RT	WHITE	CL OF LANES (10'/40')	
40	STA	21806	TO	STA	21946	RT	WHITE	CL OF LANES (10'/40')	
690	STA	21946	TO	STA	24691	RT	WHITE	CL OF LANES (10'/40')	
852	STA	21044	TO	STA	21896	RT	WHITE	EDGE OF LANE	BELTLINE
168	STA	21923	TO	STA	22091	RT	WHITE	EDGE OF LANE	BELTLINE
275	STA	1535	TO	STA	1810	LT	WHITE	EDGE OF LANE	BELTLINE
230	STA	1005	TO	STA	1917	LT	WHITE	CL OF LANES (10'/40')	BELTLINE
1140	STA	1306	TO	STA	1876	LT	YELLOW	DOUBLE	BELTLINE
288	STA	1162	TO	STA	1306	LT	YELLOW	DOUBLE	BELTLINE
366	STA	1503	TO	STA	1686	LT	YELLOW	DOUBLE	BELTLINE
994	STA	1006	TO	STA	1503	RT	YELLOW	DOUBLE	BELTLINE
370	STA	398	TO	STA	1891	RT	WHITE	CL OF LANES (10'/40')	BELTLINE
607	STA	398	TO	STA	1005	RT	WHITE	EDGE OF LANE	BELTLINE

14069 TOTAL

78008240 POLYUREA PAVEMENT MARKING TYPE I - LINE 8"

FOOT LOCATION

628	STA	234+26	TO	STA	240+54	LT	WHITE	OUTSIDE OF RAMP	
52	STA	240+00	TO	STA	240+52	LT	WHITE	INSIDE OF RAMP	
276	STA	207+67	TO	STA	210+43	LT	WHITE	LANE DIVIDE	
68	STA	210+43	TO	STA	211+11	LT	WHITE	LANE DIVIDE	
50	STA	211+11	TO	STA	213+11	LT	WHITE	SKIP DASH (2'/6')	
196	STA	208+48	TO	STA	210+44	LT	WHITE	LANE DIVIDE	
67	STA	210+44	TO	STA	211+11	LT	WHITE	LANE DIVIDE	
50	STA	211+11	TO	STA	213+11	LT	WHITE	SKIP DASH (2'/6')	
156	STA	1006	TO	STA	1162	LT	WHITE	LANE DIVIDE	BELTLINE
36	STA	1162	TO	STA	1306	LT	WHITE	SKIP DASH (2'/6')	BELTLINE
205	STA	1686	TO	STA	1891	RT	WHITE	LANE DIVIDE	BELTLINE
46	STA	1503	TO	STA	1686	RT	WHITE	SKIP DASH (2'/6')	BELTLINE
78	STA	1797	TO	STA	1875	RT	WHITE	LANE DIVIDE	BELTLINE

1908 TOTAL

78008250 POLYUREA PAVEMENT MARKING TYPE I - LINE 12"

FOOT LOCATION

67	STA	218+06	TO	STA	218+82	MEDIAN	YELLOW @ 45		
32	STA	219+23	TO	STA	223+35	MEDIAN	YELLOW @ 45		
32	STA	229+13	TO	STA	232+91	MEDIAN	YELLOW @ 45		
322	STA	212+11	TO	STA	219+46	LT	WHITE @ 45		
405	STA	210+44	TO	STA	218+82	RT	WHITE @ 45		
240	STA	1162	TO	STA	1686	MEDIAN	YELLOW @ 45		

1098 TOTAL

78008270 POLYUREA PAVEMENT MARKING TYPE I - LINE 24"

FOOT LOCATION

24	SB THRU LANE	STOP BAR			
12	SB LT TURN	STOP BAR			
12	NB LT TURN	STOP BAR			
24	NB THRU LANE	STOP BAR			
72	TOTAL				

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH LOCATION

2	STA	210+43	TO	STA	211+11	LT	LANE DIVIDE @ 40'	
5	STA	210+44	TO	STA	214+67	LT	CL OF LANES @ 80'	
2	STA	218+06	TO	STA	219+46	LT	CL OF LANES @ 80'	
2	STA	210+44	TO	STA	211+11	LT	LANE DIVIDE @ 40'	
2	STA	218+08	TO	STA	218+82	LT	DOUBLE YELLOW @ 40'	
2	STA	218+06	TO	STA	218+82	RT	DOUBLE YELLOW @ 40'	
5	STA	210+44	TO	STA	214+67	RT	CL OF LANES @ 80'	
4	STA	218+06	TO	STA	219+46	RT	CL OF LANES @ 80'	
24	TOTAL							

78100105 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

EACH LOCATION

4	STA	214+67	TO	STA	218+06	LT	CL OF LANES @ 80'	
6	STA	215+67	TO	STA	218+08	LT	YELLOW LINE @ 40'	
6	STA	215+67	TO	STA	218+06	RT	YELLOW LINE @ 40'	
4	STA	214+67	TO	STA	218+06	RT	CL OF LANES @ 80'	
20	TOTAL							

78100300 REPLACEMENT REFLECTOR

EACH LOCATION

31	STA	234+26	TO	STA	240+54	LT	OUTSIDE OF RAMP @ 20'	
1	STA	240+00	TO	STA	240+52	LT	INSIDE OF RAMP @ 40'	
5	STA	207+67	TO	STA	210+43	LT	LANE DIVIDE @ 40'	
2	STA	238+09	TO	STA	240+00	LT	CL OF LANES @ 80'	
2	STA	208+48	TO	STA	210+44	LT	CL OF LANES @ 80'	
33	STA	219+46	TO	STA	246+15	LT	CL OF LANES @ 80'	
5	STA	208+48	TO	STA	210+44	LT	LANE DIVIDE @ 40'	
4	STA	219+46	TO	STA	223+35	LT	YELLOW @ 40'	
11	STA	223+91	TO	STA	228+56	LT	YELLOW @ 40'	
9	STA	229+13	TO	STA	232+91	LT	YELLOW @ 40'	
7	STA	219+46	TO	STA	223+35	RT	YELLOW @ 40'	
12	STA	223+91	TO	STA	228+56	RT	YELLOW @ 40'	
9	STA	229+13	TO	STA	232+91	RT	YELLOW @ 40'	
2	STA	208+71	TO	STA	210+44	RT	CL OF LANES @ 80'	
21	STA	219+46	TO	STA	246+91	RT	CL OF LANES @ 80'	
11	STA	1005	TO	STA	1917	LT	CL OF LANES @ 80'	BELTLINE
4	STA	1006	TO	STA	1162	LT	LANE DIVIDE @ 40'	BELTLINE
14	STA	1306	TO	STA	1876	LT	DBLE YELLOW @ 40'	BELTLINE
4	STA	1162	TO	STA	1306	LT	DBLE YELLOW @ 40'	BELTLINE
5	STA	1503	TO	STA	1686	LT	DBLE YELLOW @ 40'	BELTLINE
12	STA	1006	TO	STA	1503	RT	DBLE YELLOW @ 40'	BELTLINE
5	STA	1686	TO	STA	1891	RT	LANE DIVIDE @ 40'	BELTLINE
19	STA	398	TO	STA	1891	RT	CL OF LANES @ 80'	BELTLINE
2	STA	1797	TO	STA	1875	RT	LANE DIVIDE @ 40'	BELTLINE
230	TOTAL							

78200410 GUARDRAIL MARKERS, TYPE A

EACH LOCATION

4	STA. 214+89.1	TO	STA. 215+82.3	LT
4	STA. 216+91.0	TO	STA. 218+59.2	LT
4	STA. 214+14.1	TO	STA. 215+82.3	RT
4	STA. 216+91.0	TO	STA. 217+84.2	LT
16	TOTAL			

78200520 BARRIER WALL MARKERS, TYPE B

EACH LOCATION

4	LT SIDE BRIDGE			
4	RT SIDE BRIDGE			
8	TOTAL			

78201000 TERMINAL MARKER-DIRECT APPLIED

EACH LOCATION

1	STA. 214+89.1	LT
1	STA. 218+59.2	LT
1	STA. 214+14.1	RT
1	STA. 217+84.2	RT
4	TOTAL	

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		742	348R-1	WINNEBAGO	78	12				
		CHECKED -	REVISED -		CONTRACT NO. 64E68								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

78300100 PAVEMENT MARKING REMOVAL

SQ FT	LOCATION
419	STA 23426 TO STA 24054 LT S1 8" SOLID
52	STA 24000 TO STA 24052 LT S1 8" SOLID
73	STA 20877 TO STA 20950 LT S1 8" SOLID
28	STA 20849 TO STA 20877 LT S2 8" SOLID
93	STA 20950 TO STA 21043 LT S2 8" SOLID
130	STA 21946 TO STA 22335 LT S2 4" SOLID
62	STA 23089 TO STA 23275 LT S1 4" SOLID
89	STA 22391 TO STA 22658 LT S2 4" SOLID
17	STA 23809 TO STA 24000 LT S1 4" SKIP DASH (10'/30')
48	SB THRU LN STOP LT S2 24" SOLID
17	STA 20848 TO STA 21044 LT S1 4" SKIP DASH (10'/30')
10	STA 22311 TO STA 22412 LT S1 4" SKIP DASH (10'/30')
150	STA 22805 TO STA 24615 LT S1 4" SKIP DASH (10'/30')
30	STA 21946 TO STA 22311 LT S2 4" SKIP DASH (10'/30')
33	STA 22412 TO STA 22805 LT S2 4" SKIP DASH (10'/30')
131	STA 20848 TO STA 21044 LT S1 8" SOLID
53	STA 22175 TO STA 22335 LT S1 4" SOLID
138	STA 22391 TO STA 22805 LT S1 4" SOLID
17	STA 22805 TO STA 22856 LT S2 4" SOLID
126	STA 22913 TO STA 23291 LT S2 4" SOLID
101	STA 23291 TO STA 23595 LT S3 4" SOLID
24	SB LT TRN LN STOP LT S1 24" SOLID
73	STA 20866 TO STA 21085 LT S1 4" SOLID
134	STA 21085 TO STA 21286 LT S1 4" DOUBLE SOLID
275	STA 21085 TO STA 21742 MEDIAN S1 12" SOLID
36	STA 21923 TO STA 22335 MEDIAN S1 12" SOLID
32	STA 22913 TO STA 23291 MEDIAN S1 12" SOLID
125	STA 20871 TO STA 21246 RT S1 4" SOLID
152	STA 21246 TO STA 21474 RT S1 4" DOUBLE SOLID
87	STA 22075 TO STA 22335 RT S1 4" SOLID
155	STA 22391 TO STA 22856 RT S1 4" SOLID
126	STA 22913 TO STA 23291 RT S2 4" SOLID
50	STA 20871 TO STA 21474 RT S1 4" SKIP DASH (10'/30')
140	STA 21803 TO STA 23475 RT S1 4" SKIP DASH (10'/30')
28	STA 21803 TO STA 21886 RT S2 4" SOLID
56	STA 21923 TO STA 22091 RT S1 4" SOLID
31.2	SB LT TRN LN ARROWS RT S1 2 @ 15.6
52	EB THRU/LT TRN LN ARROWS RT PS1 2 @ 26.0
92	STA 1535 TO STA 1810 LT S2 4" SOLID BELTLINE
40	STA 1444 TO STA 1917 LT S1 4" SKIP DASH (10'/30') BELTLINE
37	STA 1005 TO STA 1444 LT S2 4" SKIP DASH (10'/30') BELTLINE
104	STA 1006 TO STA 1162 LT S1 8" SOLID BELTLINE
24	STA 1162 TO STA 1306 LT S1 8" SKIP DASH (2'/6') BELTLINE
380	STA 1306 TO STA 1876 LT S1 4" DOUBLE SOLID BELTLINE
96	STA 1162 TO STA 1306 LT S1 4" DOUBLE SOLID BELTLINE
240	STA 1162 TO STA 1686 MEDIAN S1 12" SOLID BELTLINE
122	STA 1503 TO STA 1686 LT S1 4" DOUBLE SOLID BELTLINE
303	STA 1049 TO STA 1503 RT S1 4" DOUBLE SOLID BELTLINE
29	STA 1006 TO STA 1049 RT S3 4" DOUBLE SOLID BELTLINE
31	STA 1503 TO STA 1686 RT S1 8" SKIP DASH (2'/6') BELTLINE
137	STA 1686 TO STA 1891 RT S1 8" SOLID BELTLINE
70	STA 1049 TO STA 1891 RT S1 4" SKIP DASH (10'/30') BELTLINE
53	STA 398 TO STA 1049 RT S2 4" SKIP DASH (10'/30') BELTLINE
202	STA 398 TO STA 1005 RT S2 4" SOLID BELTLINE
52	STA 1797 TO STA 1875 RT S2 8" SOLID BELTLINE
31.2	NB LT TRN LN ARROWS RT S1 2 @ 15.6 BELTLINE
15.6	NB RT TRN LN ARROWS RT S2 1 @ 15.6 BELTLINE
24	NB LT TRN LN STOP RT S1 24" SOLID BELTLINE
48	NB THRU LN STOP RT S1 24" SOLID BELTLINE
5524	TOTAL

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

EACH	LOCATION
31	STA 23426 TO STA 24054 LT S1 OUTSIDE OF RAMP @ 20'
1	STA 24000 TO STA 24052 LT S1 INSIDE OF RAMP @ 40'
2	STA 20877 TO STA 20950 LT S1 LANE DIVIDE @ 40'
1	STA 20849 TO STA 20877 LT S2 LANE DIVIDE @ 40'
2	STA 20950 TO STA 21043 LT S2 LANE DIVIDE @ 40'
2	STA 23809 TO STA 24000 LT S1 C OF LANES @ 80'
2	STA 20848 TO STA 21044 LT S1 C OF LANES @ 80'
1	STA 22311 TO STA 22412 LT S1 C OF LANES @ 80'
23	STA 22805 TO STA 24615 LT S1 C OF LANES @ 80'
5	STA 21946 TO STA 22311 LT S2 C OF LANES @ 80'
5	STA 22412 TO STA 22805 LT S2 C OF LANES @ 80'
5	STA 20848 TO STA 21044 LT S1 LANE DIVIDE @ 40'
4	STA 22175 TO STA 22335 LT S1 YELLOW @ 40'
10	STA 22391 TO STA 22805 LT S1 YELLOW @ 40'
1	STA 22805 TO STA 22856 LT S2 YELLOW @ 40'
9	STA 22913 TO STA 23291 LT S2 YELLOW @ 40'
10	STA 21085 TO STA 21286 LT S1 DOUBLE YELLOW @ 40'
6	STA 21246 TO STA 21474 RT S1 DOUBLE YELLOW @ 40'
7	STA 22075 TO STA 22335 RT S1 YELLOW @ 40'
12	STA 22391 TO STA 22856 RT S1 YELLOW @ 40'
9	STA 22913 TO STA 23291 RT S2 YELLOW @ 40'
8	STA 20871 TO STA 21474 RT S1 C OF LANES @ 80'
21	STA 21803 TO STA 23475 RT S1 C OF LANES @ 80'
6	STA 1444 TO STA 1917 LT S1 C OF LANES @ 80' BELTLINE
5	STA 1005 TO STA 1444 LT S2 C OF LANES @ 80' BELTLINE
4	STA 1006 TO STA 1162 LT S1 LANE DIVIDE @ 40' BELTLINE
14	STA 1306 TO STA 1876 LT S1 DOUBLE YELLOW @ 40' BELTLINE
4	STA 1162 TO STA 1306 LT S1 DOUBLE YELLOW @ 40' BELTLINE
5	STA 1503 TO STA 1686 LT S1 DOUBLE YELLOW @ 40' BELTLINE
11	STA 1049 TO STA 1503 RT S1 DOUBLE YELLOW @ 40' BELTLINE
1	STA 1006 TO STA 1049 RT S3 DOUBLE YELLOW @ 40' BELTLINE
5	STA 1686 TO STA 1891 RT S1 LANE DIVIDE @ 40' BELTLINE
11	STA 1049 TO STA 1891 RT S1 C OF LANES @ 80' BELTLINE
8	STA 398 TO STA 1049 RT S2 C OF LANES @ 80' BELTLINE
2	STA 1797 TO STA 1875 RT S2 LANE DIVIDE @ 40' BELTLINE
253	TOTAL
81400115	HANDHOLE TO BE ADJUSTED
EACH	LOCATION
1	STA. 211+46 LT
1	TOTAL
X0325409	PILE REMOVAL
EACH	LOCATION
1	STA. 216+00 0.00' RT
1	STA. 216+77 0.00' RT
2	TOTAL

X0712400 TEMPORARY PAVEMENT

SQ YD	LOCATION
42	STA. 217+29.29 TO STA. 218+35 RT PRESTAGE
103	STA. 214+25 TO STA. 215+67.3 RT< PRESTAGE
145	TOTAL

X0919000 TEMPORARY PAVEMENT REMOVAL

SQ YD	LOCATION
42	STA. 217+29.29 TO STA. 218+35 RT PRESTAGE
103	STA. 214+25 TO STA. 215+67.3 RT< STAGE 1
145	TOTAL

Z0028415 GEOTECHNICAL REINFORCEMENT

SQ YD	LOCATION
5052	SOUTH OF BRIDGE
2608	NORTH OF BRIDGE
7660.0	TOTAL

Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION
1	STA. 214+22 RT STAGE 1
1	STA. 214+86 CL STAGE 1
1	STA. 217+82 RT STAGE 1
1	STA. 220+60 LT STAGE 1
4	TOTAL

Z0030350 IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION
1	STA. 214+60.12 STAGE 2
1	STA. 221+34.04 STAGE 2
2	TOTAL

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		742	34BR-1	WINNEBAGO	78	13				
		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 64E68				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

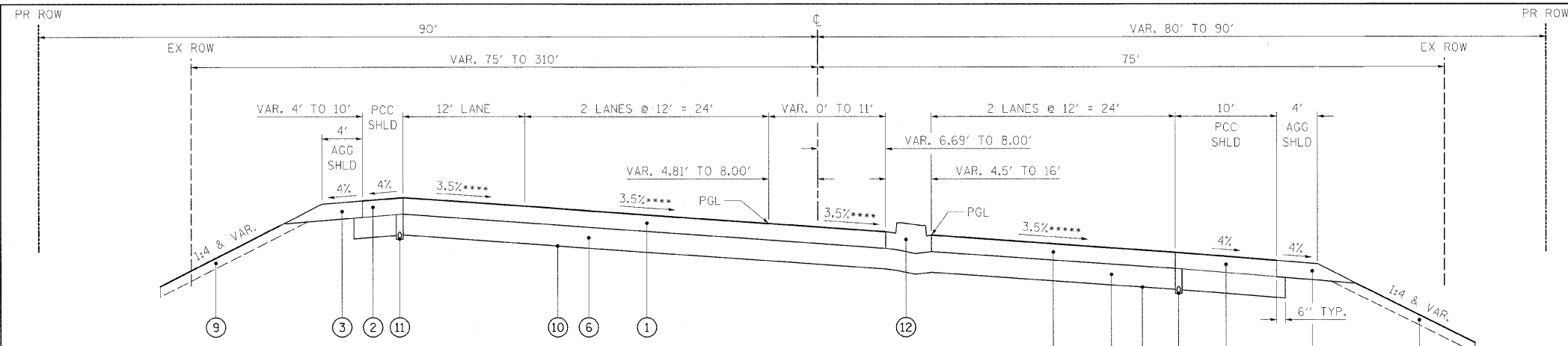
EARTHWORK SCHEDULE

LOCATION		EARTH EXCAVATION				EMBANKMENT				CHANNEL EXCAVATION				EARTHWORK USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)				
STA.	STA.	PRESTAGE 1	STAGE 1	STAGE 2	STAGE 3	PRESTAGE 1	STAGE 1	STAGE 2	STAGE 3	PRESTAGE 1	STAGE 1	STAGE 2	STAGE 3	PRESTAGE 1	STAGE 1	STAGE 2	STAGE 3	PRESTAGE 1	STAGE 1	STAGE 2	STAGE 3	
IL RTE 2																						
20850	20900	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	
20900	20950	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	
20950	21000	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	
21000	21050	0	42	48	16	0	0	0	0	0	0	0	0	0	31	36	12	0	31	36	12	
21050	21100	0	94	101	23	0	1	0	0	0	0	0	0	0	70	76	17	0	69	76	17	
21100	21150	0	106	121	24	0	1	0	0	0	0	0	0	0	79	91	18	0	78	91	18	
21150	21200	0	100	131	24	0	2	0	0	0	0	0	0	0	75	98	18	0	73	98	18	
21200	21250	0	100	129	18	0	10	0	7	0	0	0	0	0	75	97	13	0	65	97	6	
21250	21300	0	107	153	10	0	18	0	15	0	0	0	0	0	81	115	8	0	63	115	-7	
21300	21350	0	148	185	10	0	9	1	13	0	0	0	0	0	111	139	8	0	102	138	-5	
21350	21400	0	190	191	12	0	4	1	9	0	0	0	0	0	142	143	9	0	139	142	0	
21400	21450	0	203	179	13	0	10	1	10	0	0	0	0	0	152	134	10	0	142	133	0	
21450	21500	0	211	143	11	0	22	25	15	0	0	0	0	0	158	107	8	0	136	82	-6	
21500	21550	0	162	149	9	0	44	69	18	0	0	0	0	0	122	112	7	0	77	43	-11	
21550	21567.27	0	39	45	2	0	17	24	6	0	0	0	0	0	29	34	2	0	12	10	-5	
21567.27	21597.27	0	73	55	1	0	13	20	6	0	177	177	0	0	55	41	1	0	42	21	-5	
BRIDGE																						
21676.02	21706.02	0	60	239	1	0	35	32	6	0	176	171	0	0	45	179	0	0	10	148	-5	
21706.02	21750	1	105	380	9	2	93	24	8	0	0	0	0	1	79	285	7	-2	-14	260	-1	
21750	21800	3	120	290	16	13	179	16	0	0	0	0	0	2	90	217	12	-11	-88	202	12	
21800	21850	2	94	167	11	10	244	47	0	0	0	0	0	1	70	125	8	-9	-173	78	8	
21850	21900	0	83	133	11	0	270	39	0	0	0	0	0	0	63	100	8	0	-208	61	8	
21900	21950	0	44	77	6	0	145	0	0	0	0	0	0	0	33	58	5	0	-113	58	5	
TOTALS =		5	2080	2914	251	26	1117	298	113	0	353	348	0	4	1560	2185	188	-22	443	1887	75	

EARTHWORK NOTES:

1. A SHRINKAGE FACTOR OF 25% WAS USED FOR EARTH EXCAVATION ADJUSTMENT.

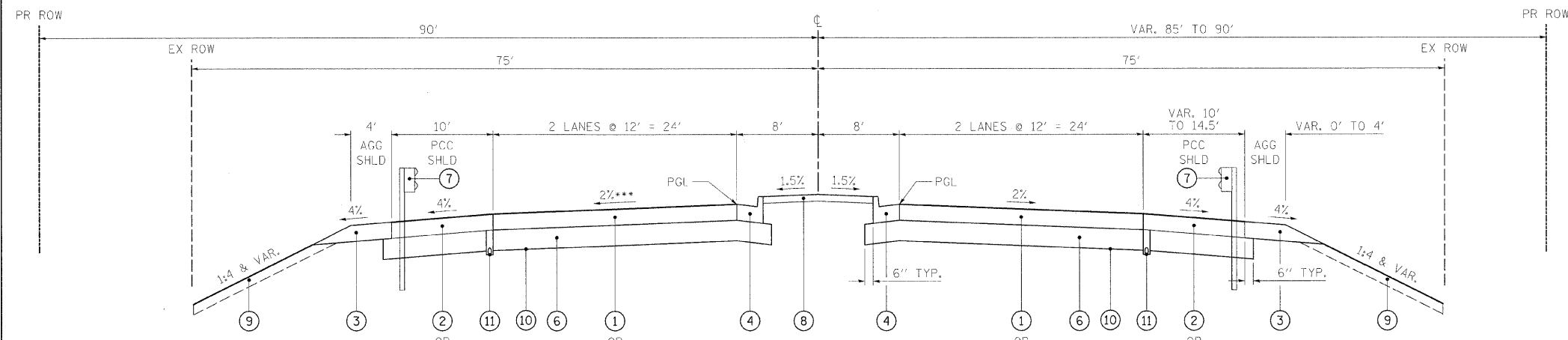
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#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	742	34BR-1	WINNEBAGO	78	14
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		CONTRACT NO. 64E68										
	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



PROPOSED TYPICAL SECTION - IL 2

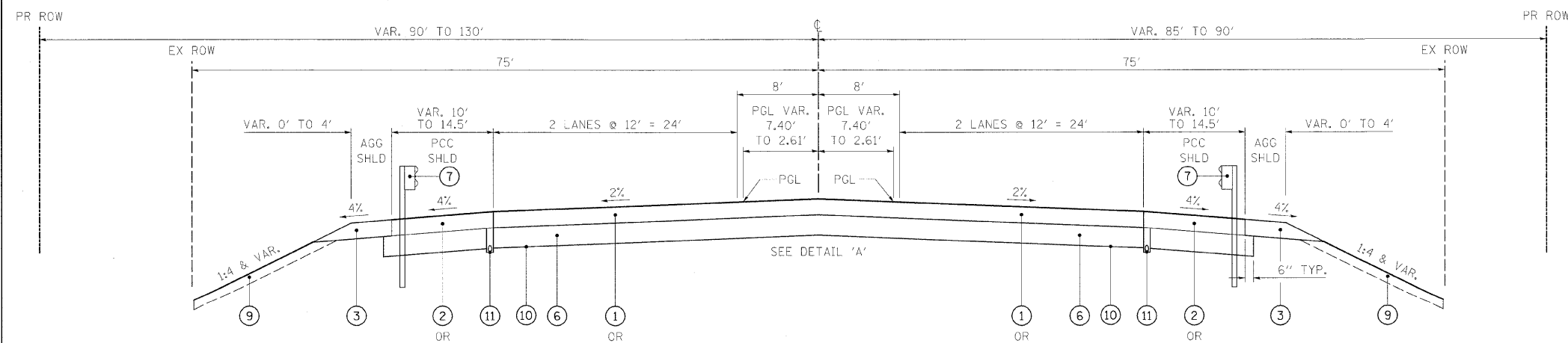
STA. 208+64.33 TO STA. 213+45.80

NOTE: ONLY 4.5' WIDE CONCRETE MEDIAN FROM STA. 208+64.33 TO STA. 210+43.79



PROPOSED TYPICAL SECTION - IL 2

STA. 213+45.80 TO STA. 215+67.27



PROPOSED TYPICAL SECTION - IL 2

STA. 217+06.02 TO STA. 219+45.61

LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
NOTE: STABILIZED SUBBASE AS SHOWN IN HIGHWAY STANDARDS 420101 AND 420106 SHALL NOT BE REQUIRED.
- ② PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2"
NOTE: STABILIZED SUBBASE AND SUBBASE GRANULAR MATERIAL, TYPE C AS SHOWN IN HIGHWAY STANDARD 483001 SHALL NOT BE REQUIRED.
- ③ AGGREGATE SHOULDERS, TYPE B
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑤ BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)
NOTE: STABILIZED SUBBASE AS SHOWN IN HIGHWAY STANDARD 420401 SHALL BE REPLACED WITH SUB-BASE GRANULAR MATERIAL, TYPE A 12".
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE A 12"
- ⑦ GUARDRAIL
- ⑧ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑨ TOPSOIL FURNISH AND PLACE, 6"
- ⑩ GEOTECHNICAL REINFORCEMENT
- ⑪ PIPE UNDERDRAINS 4"
NOTE: STABILIZED SUBBASE AS SHOWN IN HIGHWAY STANDARD 601001 SHALL NOT BE REQUIRED.
- ⑫ CONCRETE MEDIAN, TYPE SB-6.12 (SPECIAL)
- ⑬ CORRUGATED MEDIAN

* BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) WIDTH FROM OUTSIDE EDGE OF SHOULDER TO OUTSIDE EDGE OF SHOULDER FROM STA. 217+06.02 TO STA. 218+06.02.

** BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) WIDTH FROM OUTSIDE EDGE OF SHOULDER TO INSIDE EDGE OF PAVEMENT FROM STA. 214+67.27 TO STA. 215+67.27.

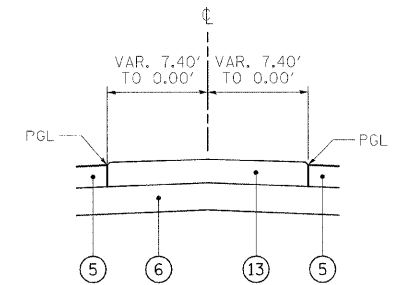
*** VARIES FROM +1.65% AT STA. 213+45.87 TO -2.00% AT STA. 214+59.06.

**** VARIES FROM +3.50% AT STA. 212+90.00 TO 1.67% AT STA. 213+45.80.

***** VARIES FROM -3.50% AT STA. 212+90.00 TO -2.00% AT STA. 213+36.11.

STRUCTURAL DESIGN INFORMATION (RIGID PAVEMENT)

STRUCTURE DESIGN TRAFFIC:	YEAR 2010
PV= 16940	SU= 1480 MU= 805
ROAD/STREET CLASSIFICATION:	CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P= 32%	S= 45% M= 45%
TRAFFIC FACTOR:	ACTUAL TF= 6.98 AC TYPE=
	MINIMUM TF= 6.03
PG GRADE:	BINDER= SURFACE=
SUBGRADE SUPPORT RATING:	
SSR= POOR	(STA. 209+00 TO STA. 220+00)



DETAIL 'A'

STA. 217+06.02 TO STA. 217+81.96

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34BR-1	WINNEBAGO	78	15
CONTRACT NO. 64E68				
ILLINOIS FED. AID PROJECT				

Chain IL2 contains:
CUR N350 11350 CUR RT2-1 CUR RT2-2

Beginning chain IL2 description
=====

Curve Data

Curve N350

P.I. Station 205+42.83 N 2,020,030.0642 E 2,583,011.1660
Delta = 22° 03' 13.01" (RT)
Degree = 6° 42' 10.12"
Tangent = 166.5718'
Length = 329.0204'
Radius = 854.8023'
External = 16.0784'
Long Chord = 326.9931'
Mid. Ord. = 15.7815'
P.C. Station 203+76.26 N 2,019,915.4413 E 2,582,890.3034
P.T. Station 207+05.28 N 2,020,090.9198 E 2,583,166.2233
C.C. N 2,019,295.2069 E 2,583,478.5179

Course from PT N350 to 1350 N 68° 34' 17.07" E Dist 89.1327'

Point 1350 N 2,020,123.4837 E 2,583,249.1946 Sta 207+94.41

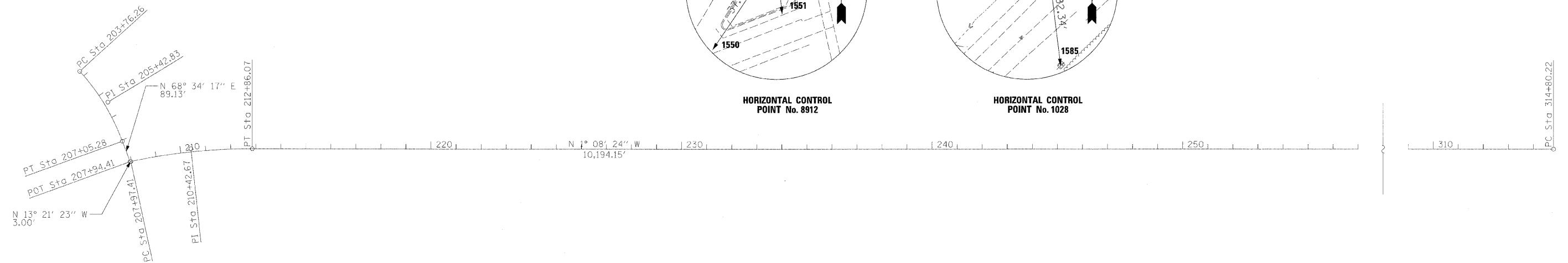
Course from 1350 to PC RT2-1 N 13° 21' 23.01" W Dist 3.0038'

Curve Data

Curve RT2-1

P.I. Station 210+42.67 N 2,020,365.0275 E 2,583,191.8450
Delta = 12° 12' 58.62" (RT)
Degree = 2° 30' 00.02"
Tangent = 245.2549'
Length = 488.6502'
Radius = 2,291.8261'
External = 13.0854'
Long Chord = 487.7251'
Mid. Ord. = 13.0111'
P.C. Station 207+97.41 N 2,020,126.4062 E 2,583,248.5007
P.T. Station 212+86.07 N 2,020,610.2339 E 2,583,186.9651
C.C. N 2,020,655.8351 E 2,585,478.3375

Course from PT RT2-1 to PC RT2-2 N 1° 08' 24.39" W Dist 10,194.1525'



HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
8912	2020156.3161	2583197.1531	708.0089	IL2	208+37.62 R 2	43.4086' LT	PIN & CAP
1028	2019906.4411	2582837.3620	707.4326	IL2	203+31.65 R 2	29.9001' LT	PIN & CAP

BENCH MARKS

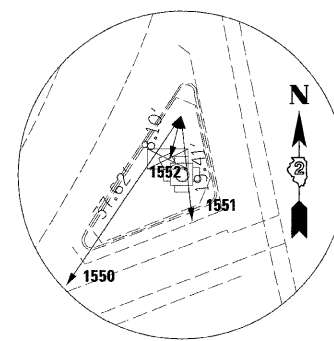
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1415	2019904.830	2583257.9700	708.1812	IL2	207+22.42	207.4403' RT	DISK TOP OF PARAPET WALL

SURVEY WORK POINTS

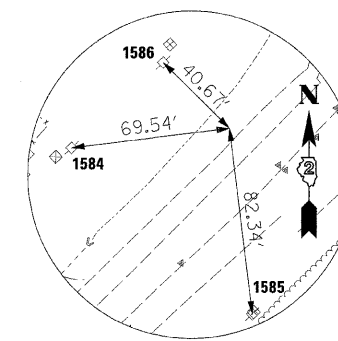
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
180	2020040.1854	2583210.4217	706.1198	IL2	207-27.89 R 2	63.3748' RT	PK NAIL
181	2020135.4010	2583405.7864	705.1244	IL2	207+94.41 R 2	157.0446' RT	PK NAIL
182	2020292.1579	2583276.8122	706.3242	IL2	209+56.46 R 2	60.4645' RT	PK NAIL
183	2020622.6370	2583229.0983	705.7091	IL2	212+97.63 R 2	42.3717' RT	PK NAIL
184	2020294.9338	2583172.0356	708.4692	IL2	209+75.92 R 2	42.5428' LT	PK NAIL
185	2020069.9119	2583320.8614	705.2415	IL2	207+94.41 R 2	89.4766' RT	PK NAIL

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
1550	IL2	207+26.90	28.1923' LT	ISLAND
1551	IL2	207+52.75	30.7971' LT	TRAFFIC SIGNAL
1552	IL2	207+53.12	42.9715' LT	HANDHOLE
1584	IL2	202+75.84	71.3882' LT	POWER POLE
1585	IL2	202+82.90	36.4640' RT	POWER POLE
1586	IL2	203+30.24	70.5441' LT	POWER POLE W/LIGHT



HORIZONTAL CONTROL POINT No. 8912



HORIZONTAL CONTROL POINT No. 1028

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL AND VERTICAL CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			742	348B-1	WINNEBAGO	78	16	
	PLOT DATE = #DATE#	CHECKED -	REVISED -			CONTRACT NO. 64E68					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

STR. #	STATION	OFFSET	TYPE	FRAME	RIM EL.	N. INV.	E. INV.	S. INV.	W. INV.
1	211+31.00	5.20'	IN B	11V	707.08		702.93		
2	212+11.00	-0.29'	CB A4	11V	706.92		702.58	702.58	702.58
3	212+21.00	-1.01'	IN B	11V	706.97				702.62
4	212+11.00	59.40'	FES 12			702.32			
5	213+14.00	-7.79'	CB A4	24	706.71		700.92		
6	213+59.94	0.00'	MH A4	1-CL	706.68		700.71	700.71	700.71
7	213+59.94	8.00'	CB A4	24	706.22	700.75	700.75		
8	213+70.00	8.00'	IN B	24	706.23				700.79
9	213+95.00	0.00'	MH A4	1-CL	706.76	700.56		700.56	700.56
10	213+81.00	-8.00'	CB A4	24	706.45			700.63	
11	213+95.00	66.25'	FES 12			700.27			

LEGEND

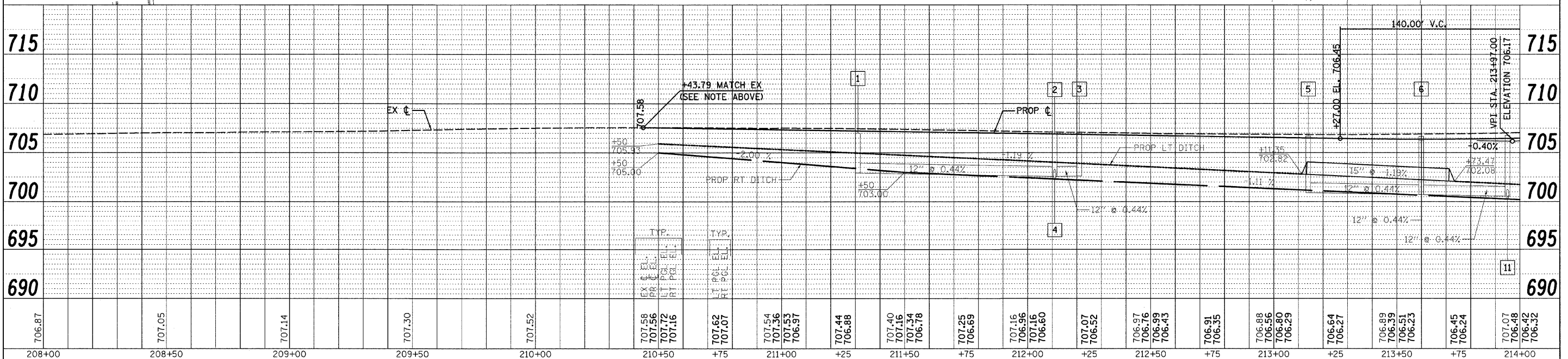
- APPROACH SLAB REMOVAL
- PAVEMENT REMOVAL
- 12" TREE REMOVAL, OF DIAMETER INDICATED

IL RTE 2

BEGIN SECTION STA. 208+64.33

LEFT		RIGHT	
STATION	OFFSET	STATION	OFFSET
PROPOSED ROW			
A	211+97.60	91.76'	A1 212+00.00 73.44'
			B1 212+00.00 80.00'
			C1 212+86.07 85.00'

STRUCTURE		PIPE			INVERT		TRENCH	
U. S.	D. S.	LENGTH	TYPE	DIA.	SLOPE	U. S.	D. S.	BACKFILL
1	2	80	2	12"	0.44%	702.93	702.58	13.1
3	2	10	2	12"	0.44%	702.62	702.58	1.7
2	4	60	2	12"	0.44%	702.58	702.32	10.3
5	6	47	2	12"	0.44%	700.92	700.71	15.4
8	7	10	2	12"	0.44%	700.79	700.75	2.9
7	6	8	2	12"	0.44%	700.75	700.71	2.6
6	9	35	2	12"	0.44%	700.71	700.56	12.4
10	9	16	2	12"	0.44%	700.63	700.56	5.7
9	11	66	2	12"	0.44%	700.56	700.27	24.0



CURVE NAME	SE RATE	STATION			
		BEGIN SE	FULL SE	END SE	END SE
RT2-1	3.50%	EX	EX	212+90.00	213+59.06

NOTE: RE SHALL VERIFY EX SE RATE AT STA 210+43.79 AND ADJUST SE AS REQUIRED TO MATCH EX CONDITIONS TO ENSURE A SMOOTH TRANSITION BETWEEN EX AND PROP PAVEMENTS.

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____ CHECKED: _____
 PLAN: _____ NOTE BOOK: _____ NO. _____
 FILE NAME: _____

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____ CHECKED: _____
 PROFILE: _____ NOTE BOOK: _____ NO. _____
 FILE NAME: _____

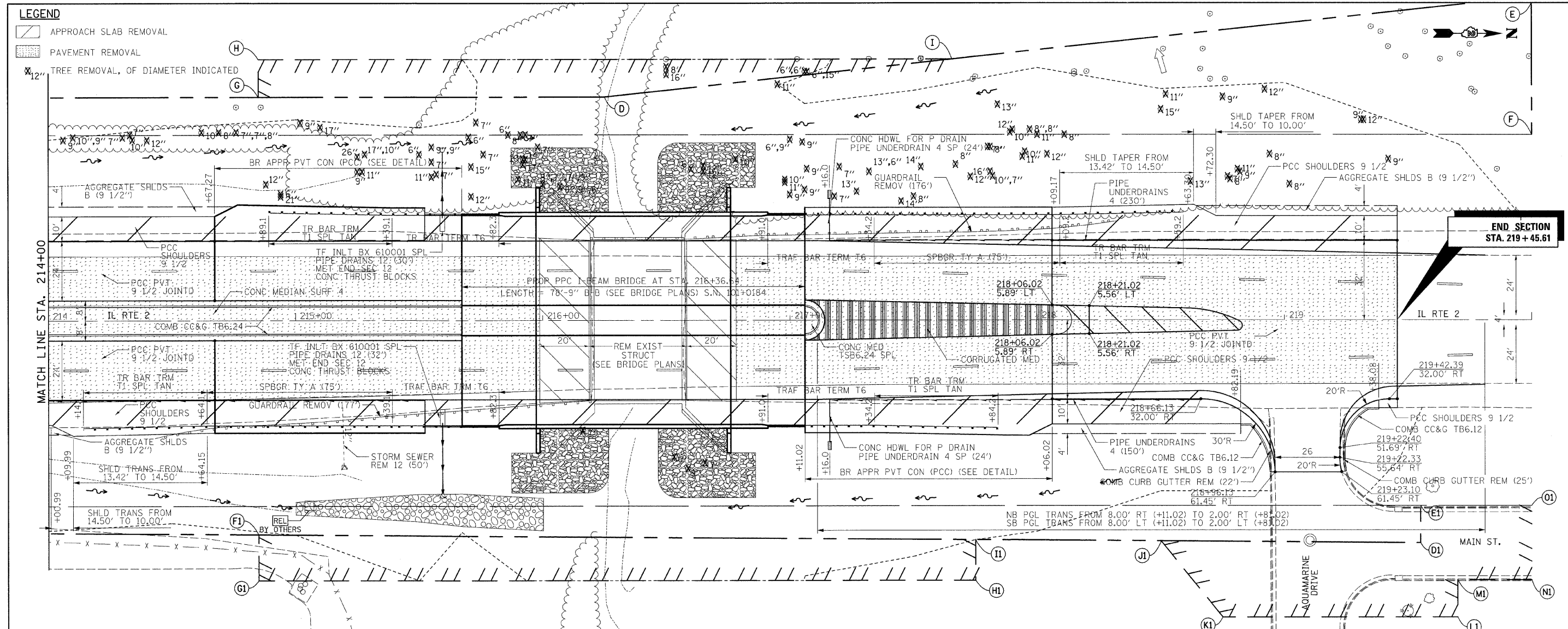
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

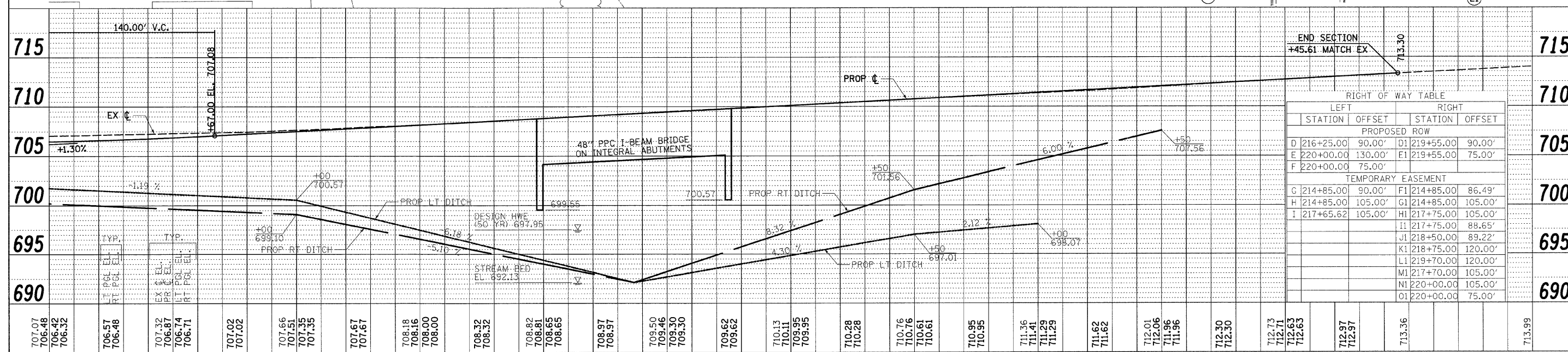
PLAN AND PROFILE
 SCALE: 1/20 SHEET NO. 1 OF 2 SHEETS STA. 208+00 TO STA. 214+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	348R-1	WINNEBAGO	78	17

CONTRACT NO. 64E68
 ILLINOIS FED. AID PROJECT



END SECTION
STA. 219 + 45.61



RIGHT OF WAY TABLE			
LEFT		RIGHT	
STATION	OFFSET	STATION	OFFSET
PROPOSED ROW			
D 216+25.00	90.00'	D1 219+55.00	90.00'
E 220+00.00	130.00'	E1 219+55.00	75.00'
F 220+00.00	75.00'		
TEMPORARY EASEMENT			
G 214+85.00	90.00'	F1 214+85.00	86.49'
H 214+85.00	105.00'	G1 214+85.00	105.00'
I 217+65.62	105.00'	H1 217+75.00	105.00'
		I1 217+75.00	88.65'
		J1 218+50.00	89.22'
		K1 218+75.00	120.00'
		L1 219+70.00	120.00'
		M1 217+70.00	105.00'
		N1 220+00.00	105.00'
		O1 220+00.00	75.00'

DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
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DATE	BY

PRE-STAGE 1 CONSTRUCTION

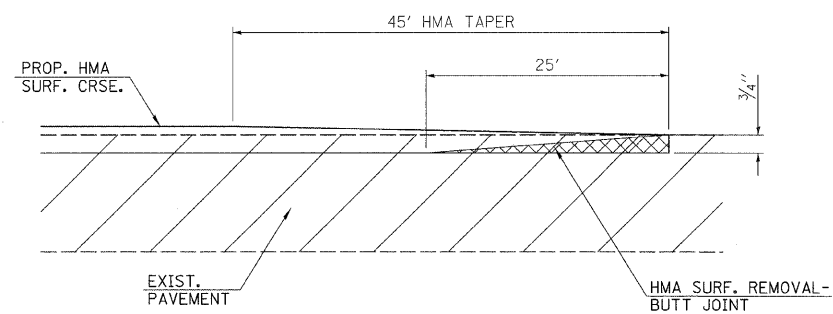
1. MILL NB LANES AND OUTSIDE SHOULDER OF IL RTE 2 IN THE AREA OF THE EXISTING BRIDGE.
2. INSTALL STEEL PLATES ON NB LANES OF IL RTE 2 AT EXISTING BRIDGE.
3. CONSTRUCT NEW SURFACE COURSE ON NB LANES AND OUTSIDE SHOULDER OF IL RTE 2.
4. MILL EXISTING MEDIAN ON IL RTE 2 ON THE NORTH LEG OF THE INTERSECTION OF IL RTE 2 AND BELT LINE RD.
5. INSTALL TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTION OF IL RTE 2 AND BELT LINE RD.

PRE-STAGE 1 TRAFFIC

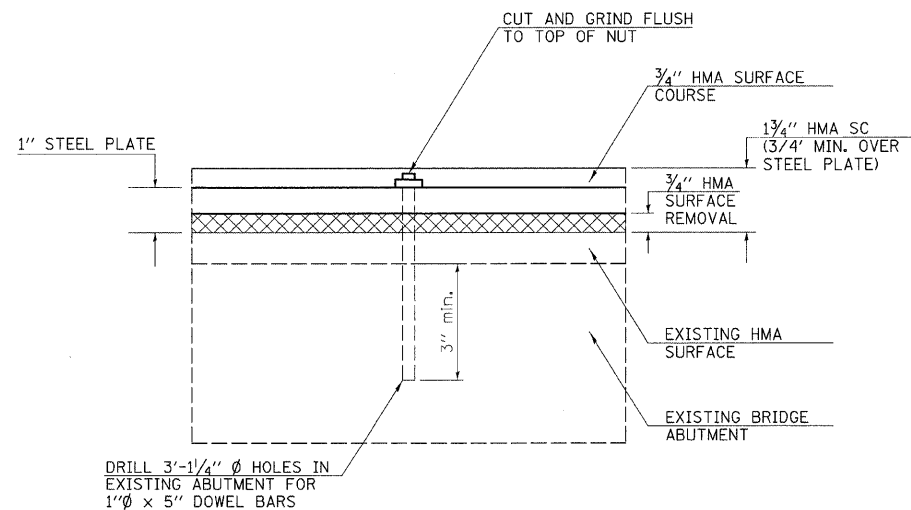
1. CHANGE THE LEFT/THRU LANE ON IL RTE 2 WEST OF THE INTERSECTION IL RTE 2 AND BELTLINE TO A THRU ONLY LANE.
2. USE HIGHWAY STANDARD 701421 TO MILL AND RESURFACE IL RTE 2, WITH THE FOLLOWING MODIFICATIONS TO HIGHWAY STANDARD 701421:
 - THE LANE CLOSURE SHALL BE LOCATED ON BELTLINE SOUTH OF THE INTERSECTION OF IL RTE 2 AND BELTLINE.
 - ROAD CONSTRUCTION 1 MILE (W20-I103(0)-48) SIGN SHALL BE REPLACED WITH ROAD CONSTRUCTION AHEAD (W20-I103(0)-48) SIGN.
 - RIGHT LANE CLOSED 1/2 MILE (W20-5(0)-48) SIGN SHALL BE REPLACED WITH RIGHT LANE CLOSED AHEAD (W20-5(0)-48) SIGN.
 - THE ENGINEER SHALL LOCATE ALL SIGNS AND TRAFFIC CONTROL DEVICES APPROACHING THE LANE CLOSURE AND MODIFY THERE SPACING BASED ON FIELD CONDITIONS.
3. USE HIGHWAY STANDARD 701701 FOR LEFT TURN LANE OR CENTER MEDIAN OPERATIONS TO MILL EXISTING MEDIAN.

PRE-STAGE 1 NOTES

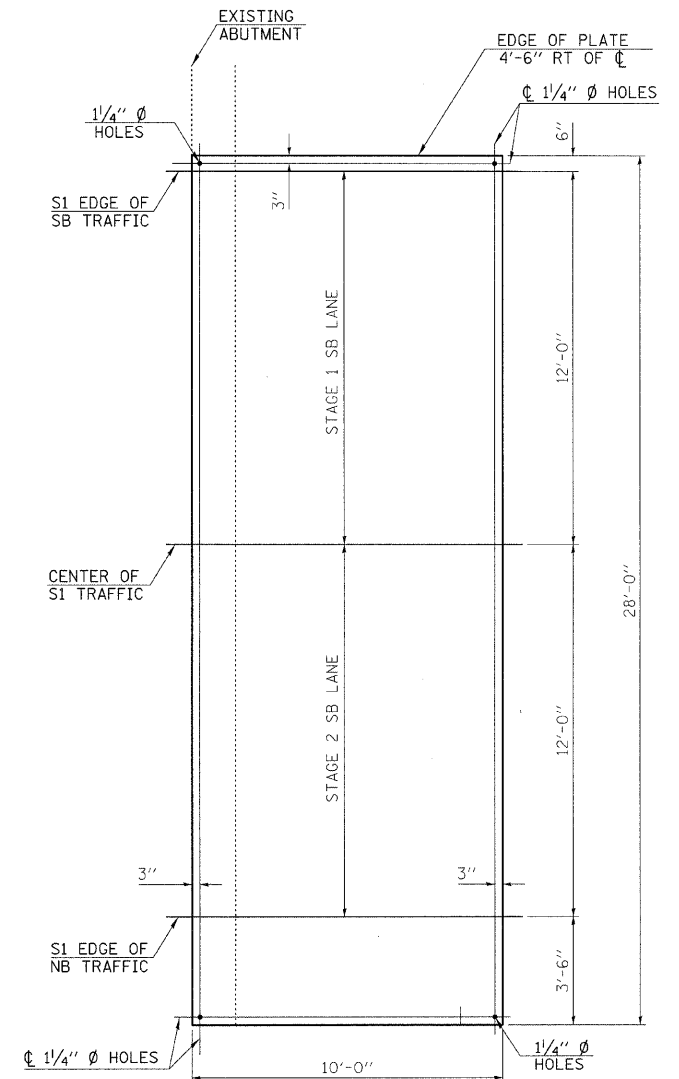
1. THE COST OF THE STEEL PLATES AND THEIR INSTALLATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701421.
2. THE SURFACE COURSE SHALL BE PLACED CONTINUOUSLY ACROSS THE BRIDGE IN ONE LIFT PER LANE. THE DEPTH OF SURFACE COURSE OVER THE STEEL PLATES SHALL BE REDUCED TO A MINIMUM 3/4".
3. THE EXISTING MEDIAN SHALL BE MILLED, DRAINAGE STRUCTURES FILLED AND THE ROAD PATCHED IN ONE DAY (24 HOURS).



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



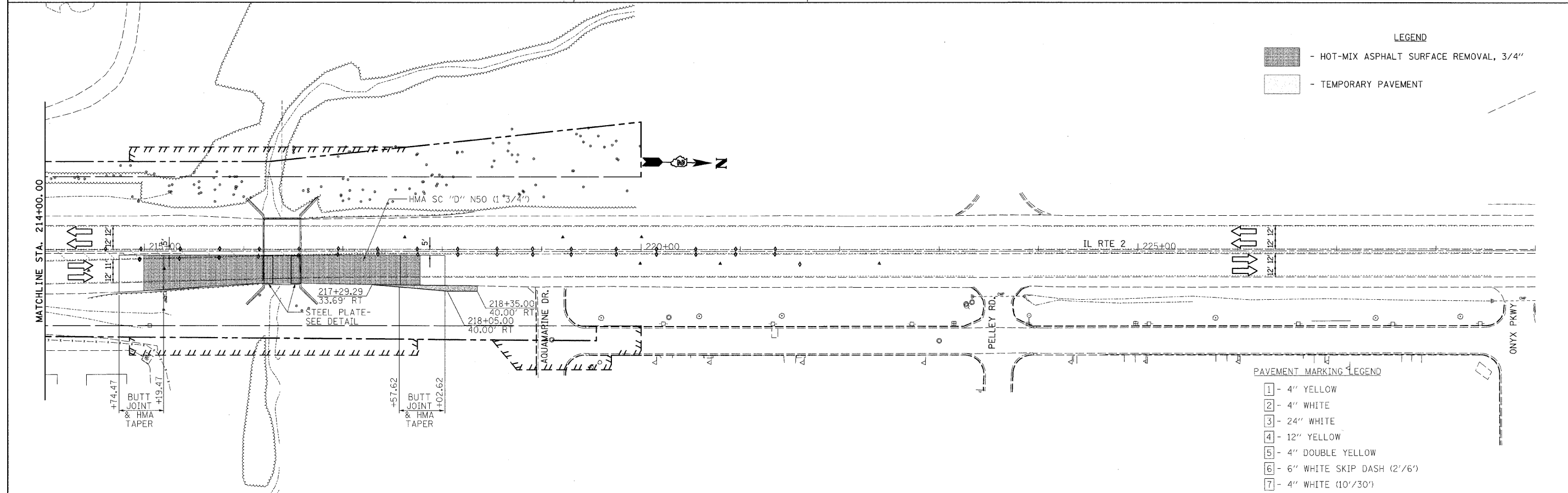
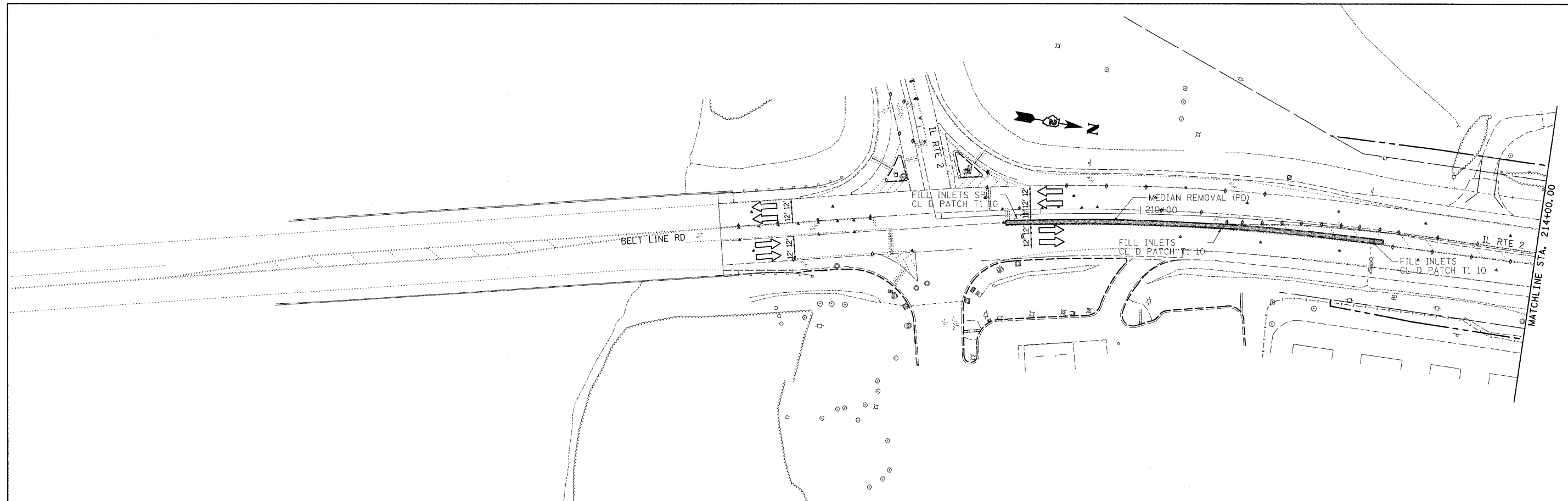
STEEL PLATE ANCHOR SECTION



STEEL PLATE DETAIL-(1"x10"x28')

NOTE:
SOUTH END OF BRIDGE SHOWN.
(NORTH END OF BRIDGE SIMILAR).

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		742	34BR-1	WINNEBAGO	78	19			
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		CONTRACT NO. 64E68							
	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.					



- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
 - TEMPORARY PAVEMENT

- PAVEMENT MARKING LEGEND**
- 1 - 4" YELLOW
 - 2 - 4" WHITE
 - 3 - 24" WHITE
 - 4 - 12" YELLOW
 - 5 - 4" DOUBLE YELLOW
 - 6 - 6" WHITE SKIP DASH (2'/6')
 - 7 - 4" WHITE (10'/30')

FILE NAME #	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PRE-STAGE 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 2 OF 2 SHEETS	742	348R-1	WINNEBAGO	78	20
		CHECKED -	REVISED -		STA. 208+00 TO STA. 229+00						
		DATE -	REVISED -								

CONTRACT NO. 64E68
ILLINOIS FED. AID PROJECT

STAGE 1 CONSTRUCTION

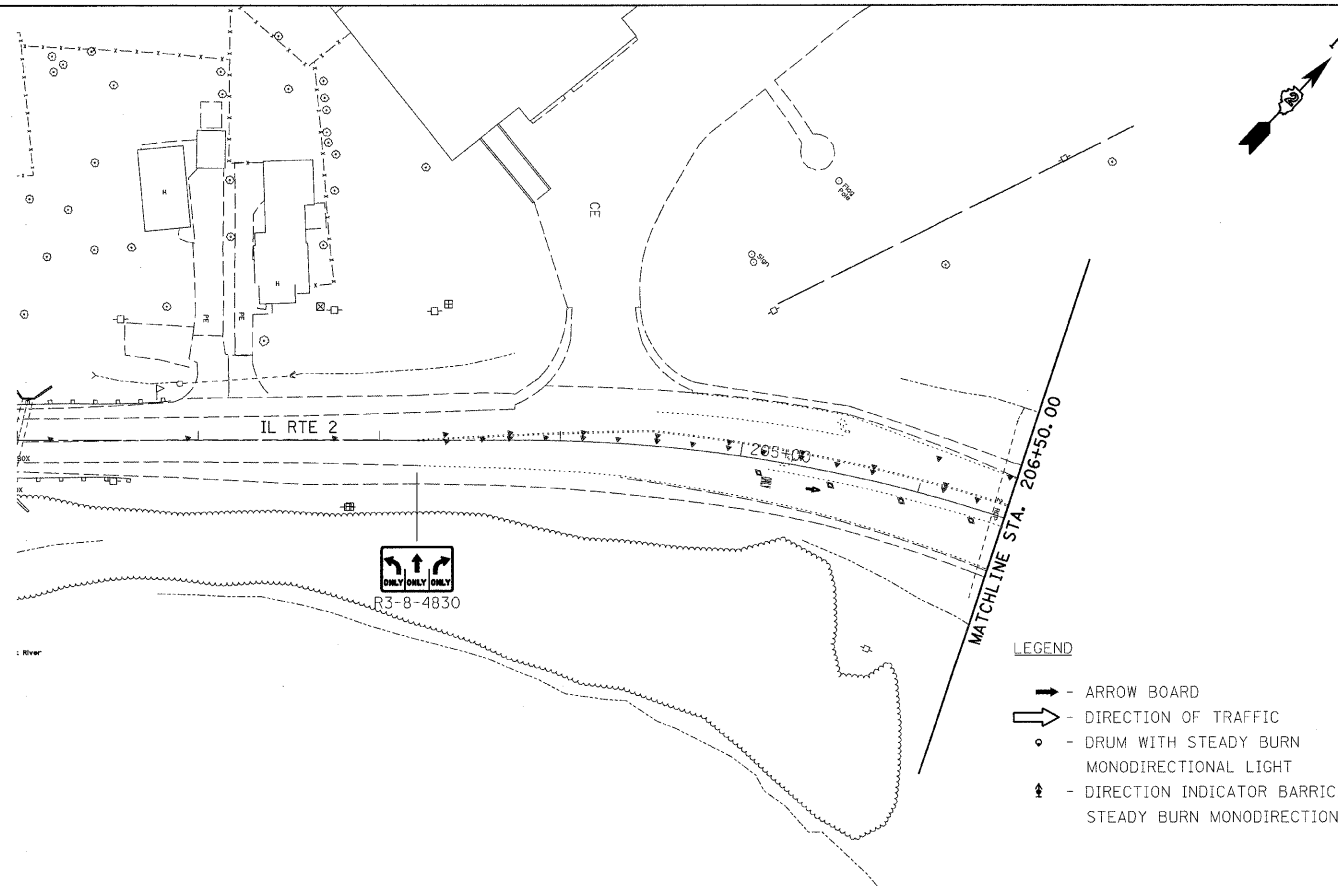
1. CONSTRUCT ONE HALF OF PROPOSED BRIDGE (SEE STRUCTURE PLANS).
2. CONSTRUCT SB IL RTE 2 PASSING, DRIVING, RIGHT TURN LANE, SHOULDERS AND DRIVES.

STAGE 1 TRAFFIC

- TURN LANES
1. PROVIDE LEFT TURN LANES FOR ALL APPROACHES TO THE INTERSECTION OF IL RTE 2 AND BELTLINE.
 2. MAINTAIN EXISTING RIGHT TURN LANES FOR:
 - NB BELTLINE TO CE
 - SB IL RTE 2 TO WB IL RTE 2
 - EB IL RTE 2 TO SB BELTLINE
 3. CLOSE LEFT TURN LANE FOR SB BELT LINE RD TO ISLAND BLVD.
- NORTHBOUND TRAFFIC
1. MERGE PASSING AND DRIVING LANES OF NB BELTLINE RD INTO THE DRIVING LANE OF NB BELTLINE SOUTH OF THE INTERSECTION WITH IL RTE 2.
 2. MAINTAIN ONE 12' LANE AT ALL TIMES THROUGH THE CONSTRUCTION WORK ZONE.
- SOUTHBOUND
1. MERGE PASSING AND DRIVING LANES OF SB IL RTE 2 INTO THE PASSING LANE OF IL RTE 2 NORTH OF THE EB US 20 RAMP TO SB IL RTE 2.
 2. SHIFT SB IL RTE 2 PASSING LANE TO EXISTING NB PASSING LANE UNTIL AFTER THE BRIDGE.
 3. SHIFT SB IL RTE 2 TRAFFIC 12' TO THE LEFT TO ALLOW A LEFT TURN LANE.
 4. SOUTH OF THE INTERSECTION OF IL RTE 2 AND BELTLINE, SHIFT SB TRAFFIC BACK TO EXISTING SB PASSING LANES.
- EASTBOUND
1. CHANGE EXISTING EB THRU/LEFT LANE TO A THRU ONLY LANE.

STAGE 1 NOTES

1. STATION AND OFFSETS FOR SHIFTING AND MERGING TRAFFIC ARE GIVEN TO THE OUTSIDE EDGE OF LANE UNLESS NOTED OTHERWISE.
2. PLACE A MESSAGE BOARD ON EASTBOUND IL RTE 2 ONE (1) WEEK PRIOR TO CHANGING THE TRAFFIC PATTERN ON EASTBOUND IL RTE 2.



PAVEMENT MARKING LEGEND

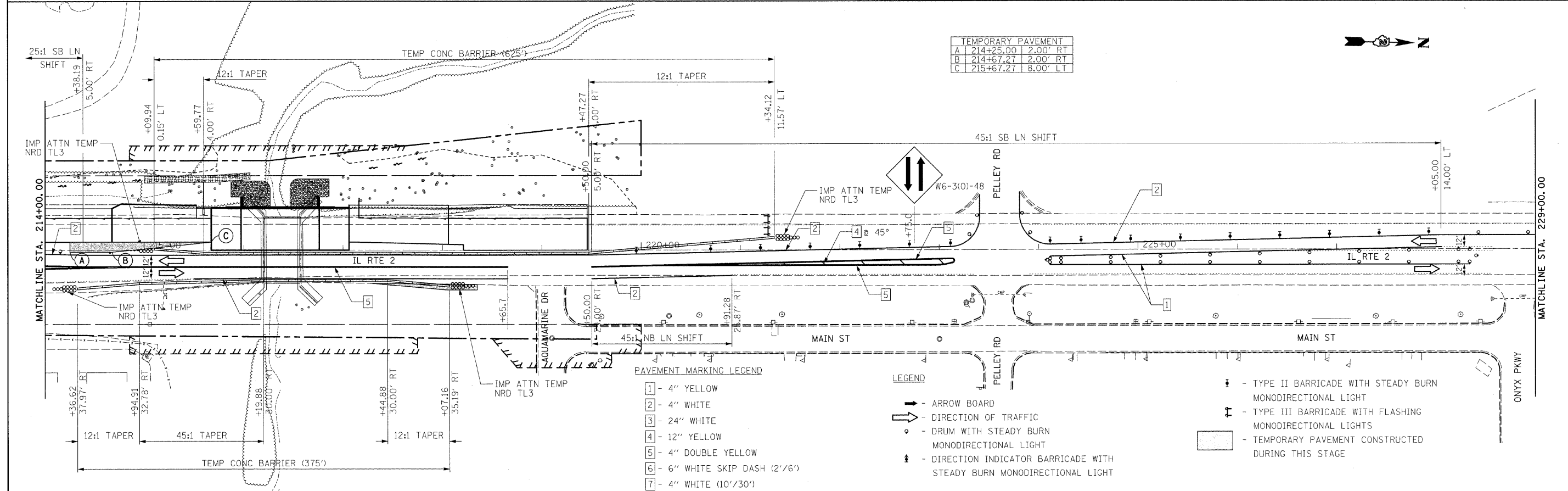
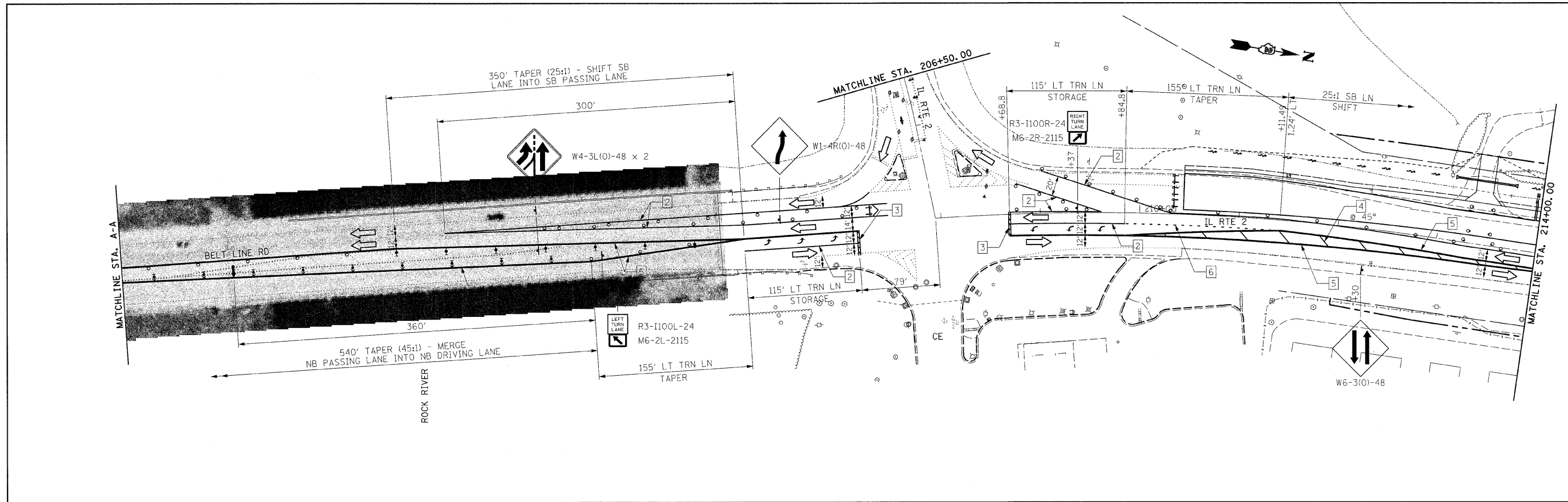
- 1 - 4" YELLOW
- 2 - 4" WHITE
- 3 - 24" WHITE
- 4 - 12" YELLOW
- 5 - 4" DOUBLE YELLOW
- 6 - 6" WHITE SKIP DASH (2'/6')
- 7 - 4" WHITE (10'/30')

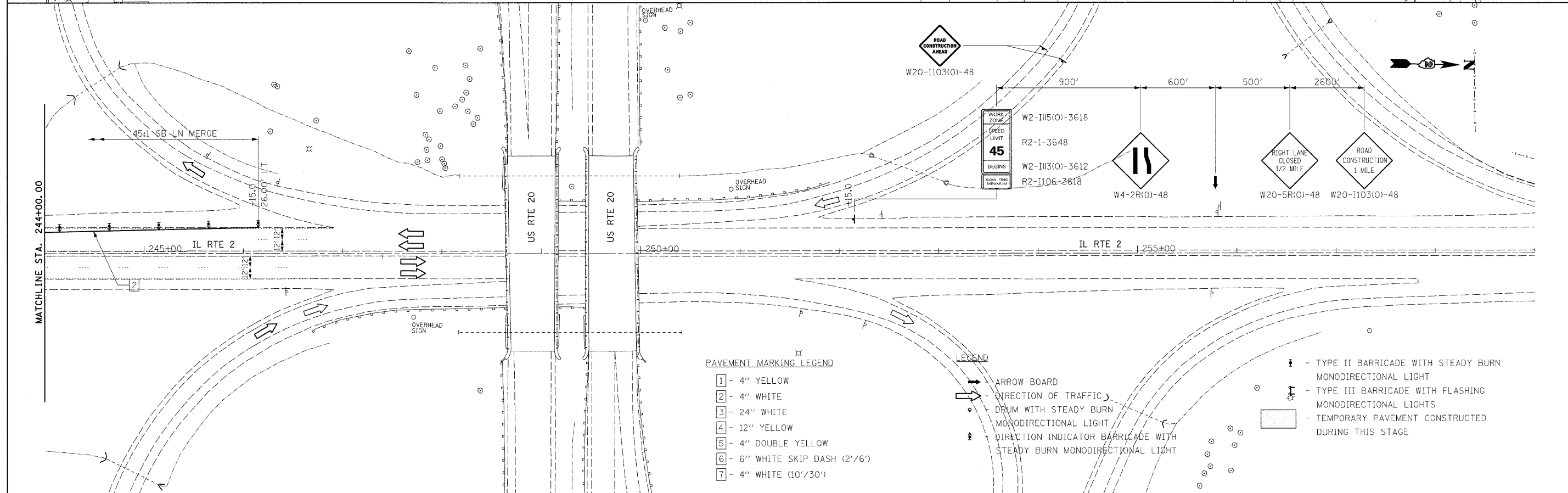
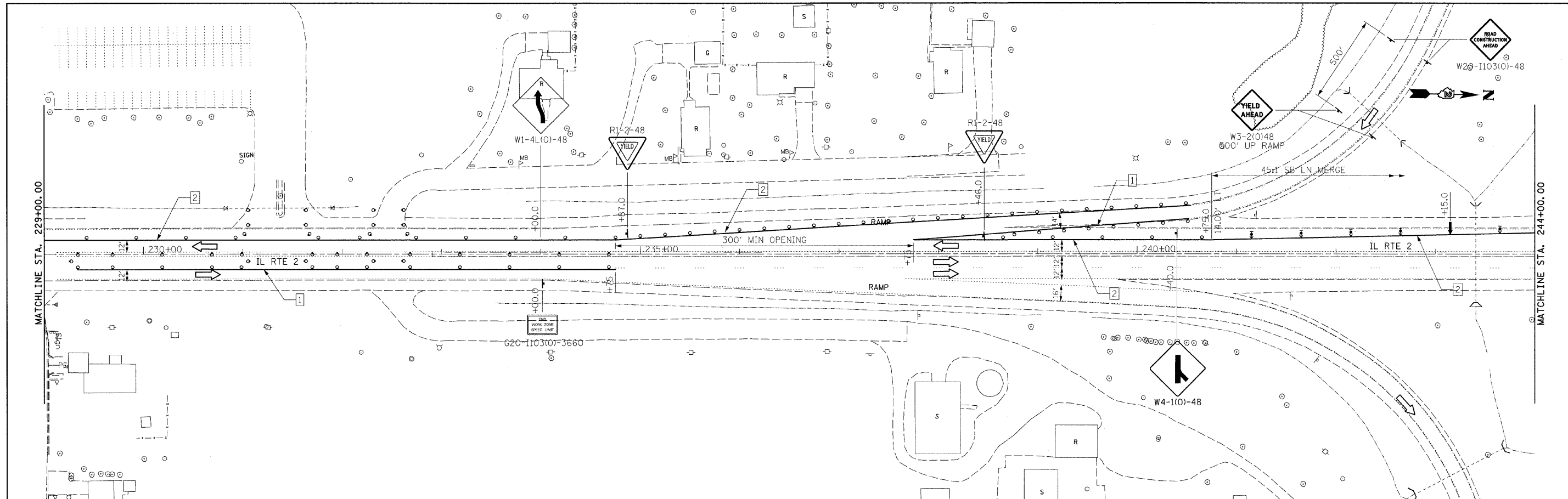
LEGEND

- - ARROW BOARD
- ⇨ - DIRECTION OF TRAFFIC
- - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⇩ - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

- ⚡ - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ▭ - TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME - #FILEL#	USER NAME - #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 1			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 1 OF 3 SHEETS	STA. 201+00 TO STA. 206+50	742	34BR-1	WINNEBAGO	78	21
	PLOT DATE = #DATE#	CHECKED -	REVISED -		CONTRACT NO. 64E68							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							





PAVEMENT MARKING LEGEND

- 1 - 4" YELLOW
- 2 - 4" WHITE
- 3 - 24" WHITE
- 4 - 12" YELLOW
- 5 - 4" DOUBLE YELLOW
- 6 - 6" WHITE SKIP DASH (2'/6')
- 7 - 4" WHITE (10'/30')

LEGEND

- ARROW BOARD
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

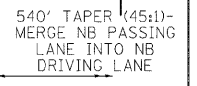
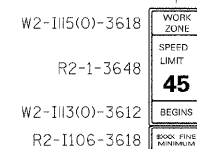
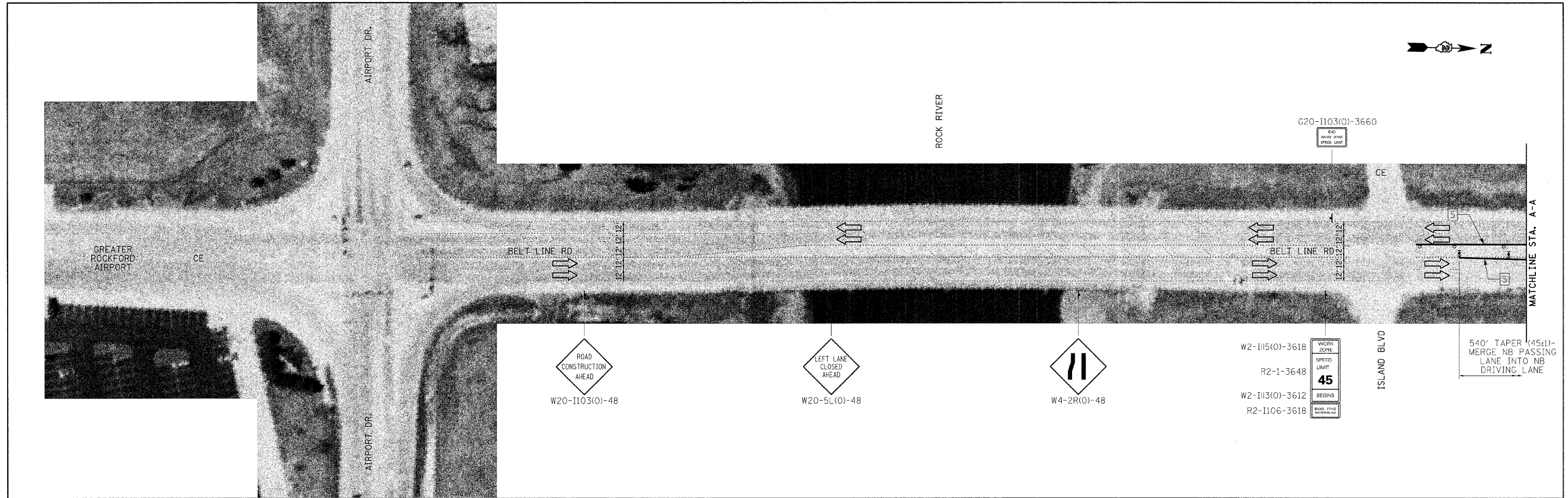
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		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1**

SCALE: 1:50 SHEET NO. 3 OF 3 SHEETS STA. 229+00 TO STA. 259+00

F.A.P. RTE. 742	SECTION 34BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 23
CONTRACT NO. 64E68				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- 1 - 4" YELLOW
- 2 - 4" WHITE
- 3 - 24" WHITE
- 4 - 12" YELLOW
- 5 - 4" DOUBLE YELLOW
- 6 - 6" WHITE SKIP DASH (2'/6')
- 7 - 4" WHITE (10'/30')

LEGEND

- - ARROW BOARD
- ⇨ - DIRECTION OF TRAFFIC
- - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

- ⚡ - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ▭ - TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 1			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -		742	34BR-1	WINNEBAGO	78	24			
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	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 1:50	SHEET NO. 3 OF 3 SHEETS	STA. 229+00 TO STA. 259+00						

STAGE 2 CONSTRUCTION

1. CONSTRUCT ONE HALF OF PROPOSED BRIDGE (SEE STRUCTURE PLANS).
2. CONSTRUCT NB IL RTE 2 PASSING, DRIVING, SHOULDERS AND DRIVES.

STAGE 2 TRAFFIC

- CLOSE AQUAMARINE DR BETWEEN IL RTE 2 AND MAIN ST.
- PROVIDE LEFT TURN LANES FOR ALL APPROACHES TO THE INTERSECTION OF IL RTE 2 AND BELTLINE.
- PROVIDE LEFT TURN LANE FOR SB BELTLINE TO ISLAND BLVD.
- MAINTAIN EXISTING RIGHT TURN LANES FOR:
NB BELTLINE TO CE
SB IL RTE 2 TO WB IL RTE 2
EB IL RTE 2 TO SB BELTLINE

NORTHBOUND

- MERGE PASSING AND DRIVING LANES OF NB BELTLINE RD INTO THE PASSING LANE OF NB BELTLINE.
- MAINTAIN ONE 12' LANE AT ALL TIMES THROUGH THE CONSTRUCTION WORK ZONE.
- SHIFT NB IL RTE 2 TO SB PASSING LANE SOUTH OF IL RTE 2 UNTIL AFTER THE CONSTRUCTION ZONE.

SOUTHBOUND

- MERGE PASSING AND DRIVING LANES OF SB IL RTE 2 INTO THE DRIVING LANE OF IL RTE 2 SOUTH OF THE EB US 20 RAMP TO SB IL RTE 2.

EASTBOUND

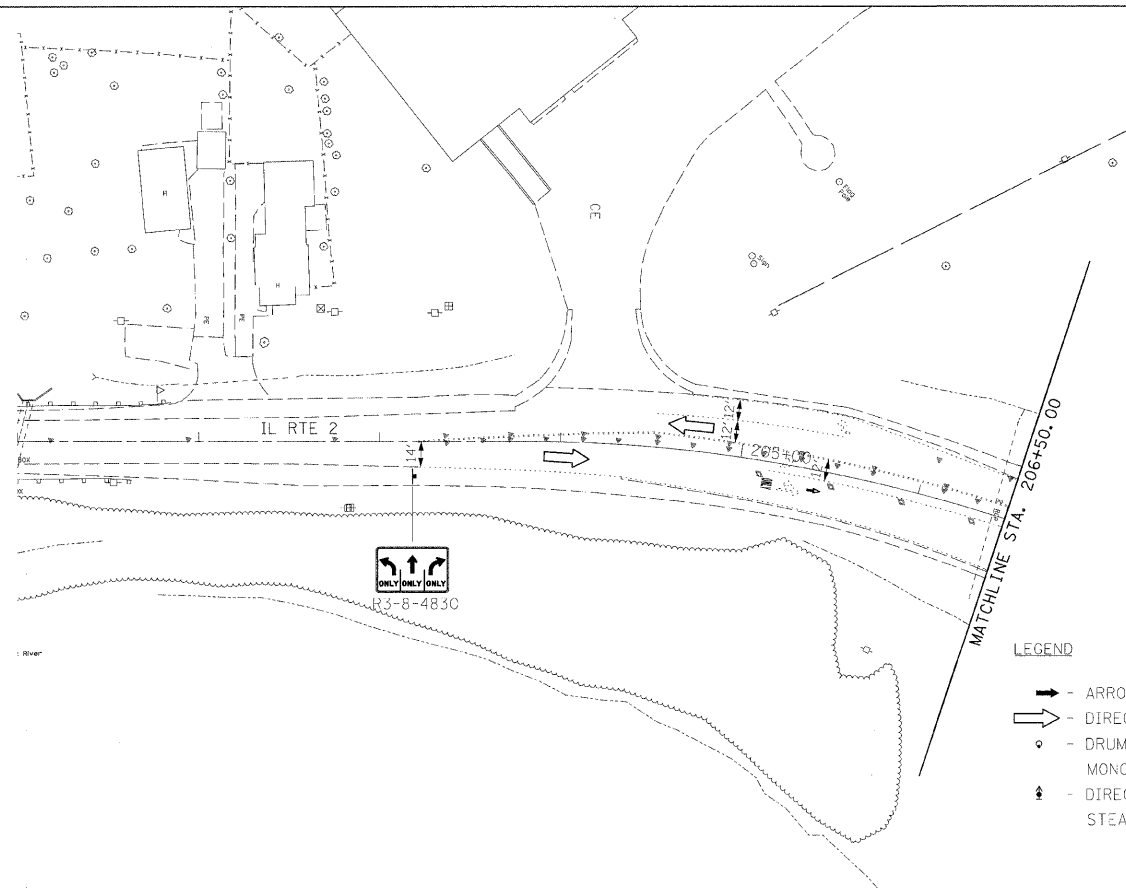
- CHANGE EXISTING EB THRU/LEFT LANE TO A THRU ONLY LANE.

STAGE 2 NOTES

1. STATION AND OFFSETS FOR SHIFTING AND MERGING TRAFFIC ARE GIVEN TO THE OUTSIDE EDGE OF LANE UNLESS NOTED OTHERWISE.

PAVEMENT MARKING LEGEND

- 1 - 4" YELLOW
- 2 - 4" WHITE
- 3 - 24" WHITE
- 4 - 12" YELLOW
- 5 - 4" DOUBLE YELLOW
- 6 - 6" WHITE SKIP DASH (2'/6')
- 7 - 4" WHITE (10'/30')

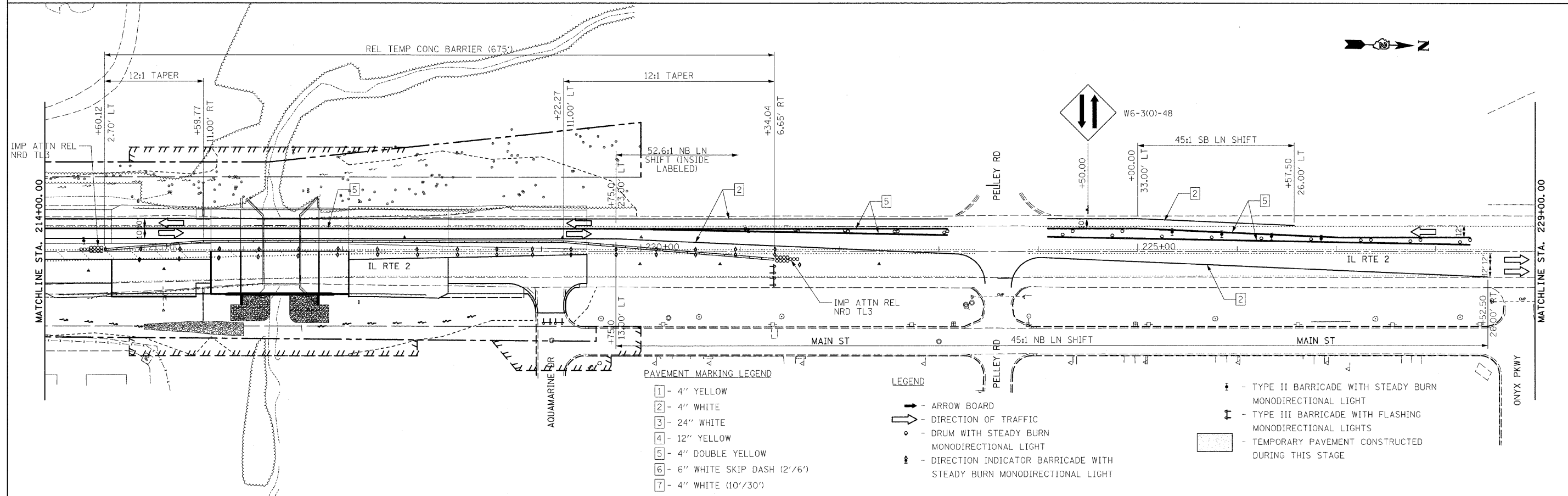
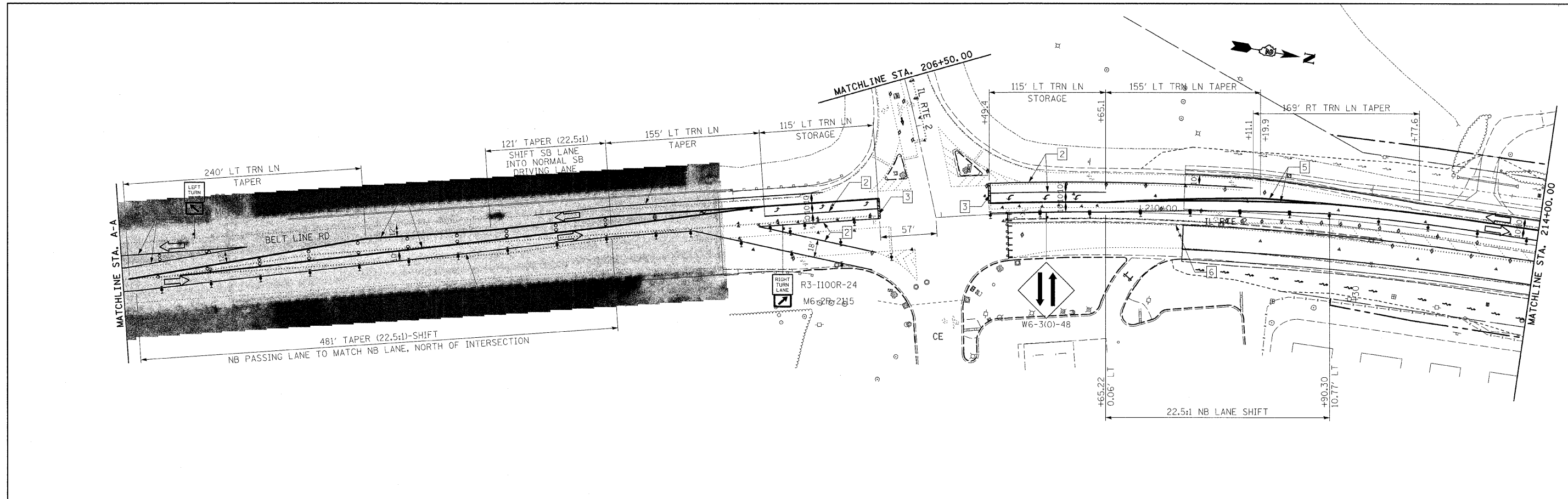


LEGEND

- ➔ - ARROW BOARD
- ➔ - DIRECTION OF TRAFFIC
- - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⬆ - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

- ⬆ - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⬆ - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ▭ - TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 2			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 1 OF 3 SHEETS	STA. 201+00 TO STA. 206+50	742	34BR-1	WINNEBAGO	78	25
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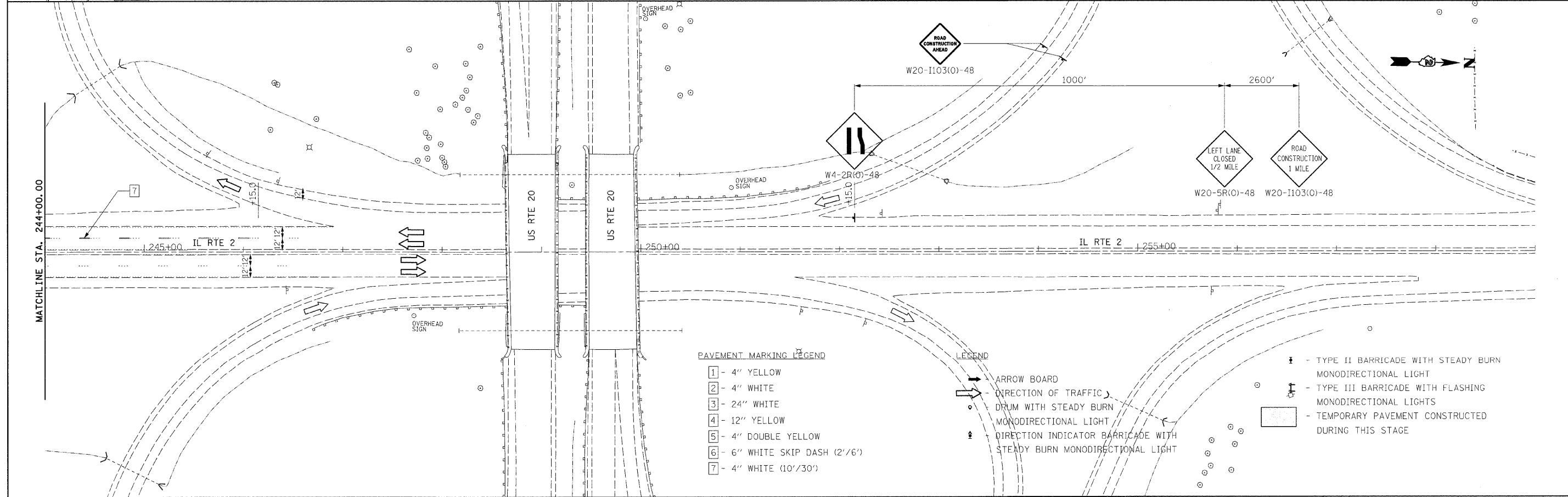
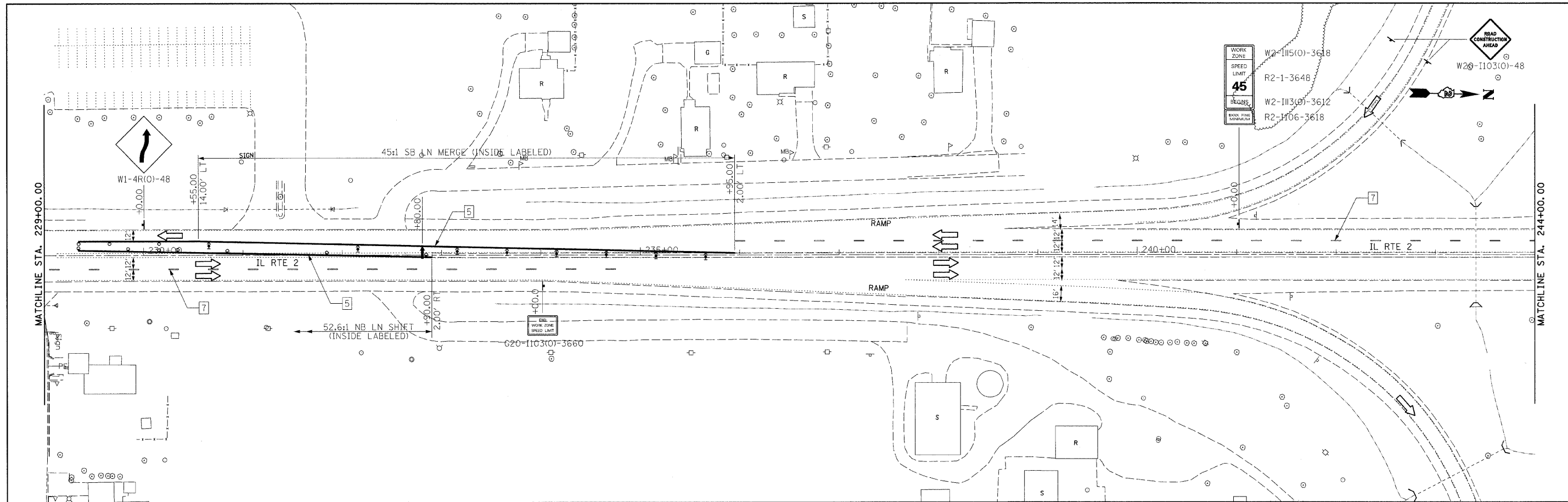


- PAVEMENT MARKING LEGEND**
- 1 - 4" YELLOW
 - 2 - 4" WHITE
 - 3 - 24" WHITE
 - 4 - 12" YELLOW
 - 5 - 4" DOUBLE YELLOW
 - 6 - 6" WHITE SKIP DASH (2'/6')
 - 7 - 4" WHITE (10'/30')

- LEGEND**
- - ARROW BOARD
 - - DIRECTION OF TRAFFIC
 - - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ↑ - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

- ↑ - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ↑ - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- - TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 2			F.A.P. RTE. 742	SECTION 348R-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 26
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 2 OF 3 SHEETS	STA. 206+50 TO STA. 229+00	CONTRACT NO. 64E68				
	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



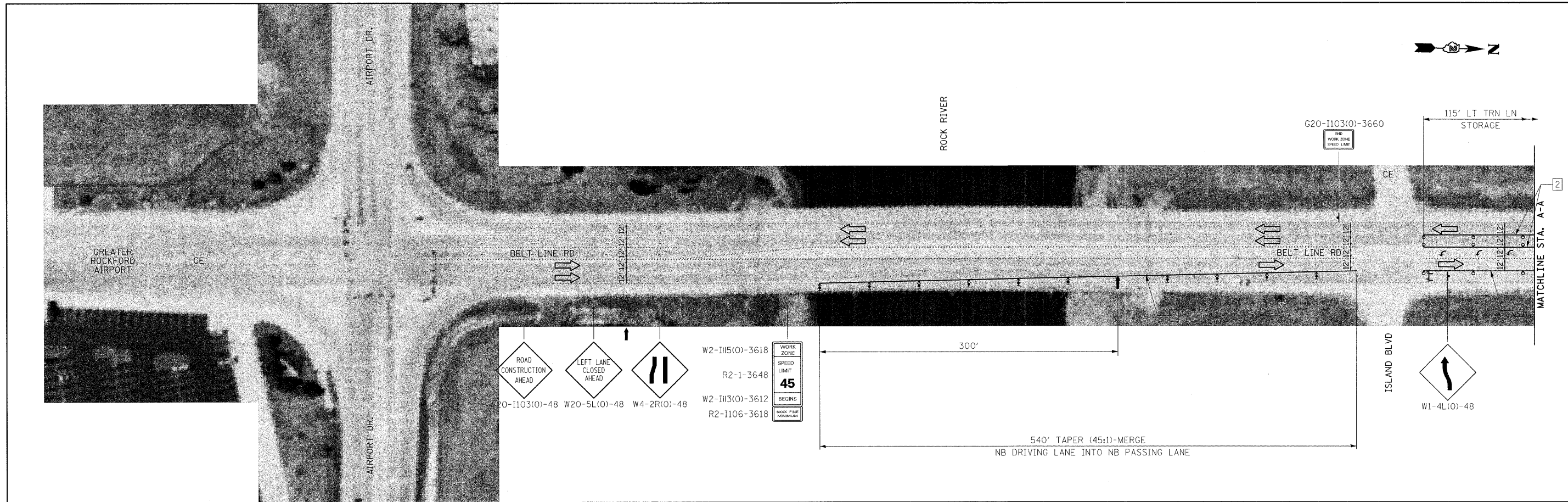
PAVEMENT MARKING LEGEND

- 1 - 4" YELLOW
- 2 - 4" WHITE
- 3 - 24" WHITE
- 4 - 12" YELLOW
- 5 - 4" DOUBLE YELLOW
- 6 - 6" WHITE SKIP DASH (2'/6')
- 7 - 4" WHITE (10'/30')

LEGEND

- ARROW BOARD
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 2			F.A.P. RTE. 742	SECTION 34BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 27
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 3 OF 3 SHEETS	STA. 229+00 TO STA. 259+00	CONTRACT NO. 64E68				
	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



- W2-1115(0)-3618
- R2-1-3648
- W2-1113(0)-3612
- R2-1106-3618
- W20-1103(0)-48
- W20-5L(0)-48
- W4-2R(0)-48

PAVEMENT MARKING LEGEND

- 1 - 4" YELLOW
- 2 - 4" WHITE
- 3 - 24" WHITE
- 4 - 12" YELLOW
- 5 - 4" DOUBLE YELLOW
- 6 - 6" WHITE SKIP DASH (2"/6')
- 7 - 4" WHITE (10'/30')

LEGEND

- ➔ - ARROW BOARD
- ➔ - DIRECTION OF TRAFFIC
- - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

- ⚡ - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ▭ - TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 2			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		742	348R-1	WINNEBAGO	78	28			
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		CONTRACT NO. 64E68							
	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE: 1:50	SHEET NO. 3 OF 3 SHEETS	STA. 229+00 TO STA. 259+00					

STAGE 3 CONSTRUCTION

1. CONSTRUCT SB IL RTE 2 LEFT TURN LANE.
2. CONSTRUCT MEDIAN.

STAGE 3 TRAFFIC

- PROVIDE LEFT TURN LANES FOR ALL APPROACHES TO THE INTERSECTION OF IL RTE 2 AND BELTLINE.
- MAINTAIN EXISTING RIGHT TURN LANES FOR:
NB BELTLINE TO CE
SB IL RTE 2 TO WB IL RTE 2
EB IL RTE 2 TO SB BELTLINE

NORTHBOUND

- MERGE PASSING AND DRIVING LANES OF NB BELTLINE RD INTO THE DRIVING LANE OF NB BELTLINE SOUTH OF THE INTERSECTION WITH IL RTE 2.
- MAINTAIN ONE 12' LANE AT ALL TIMES THROUGH THE CONSTRUCTION WORK ZONE.

SOUTHBOUND

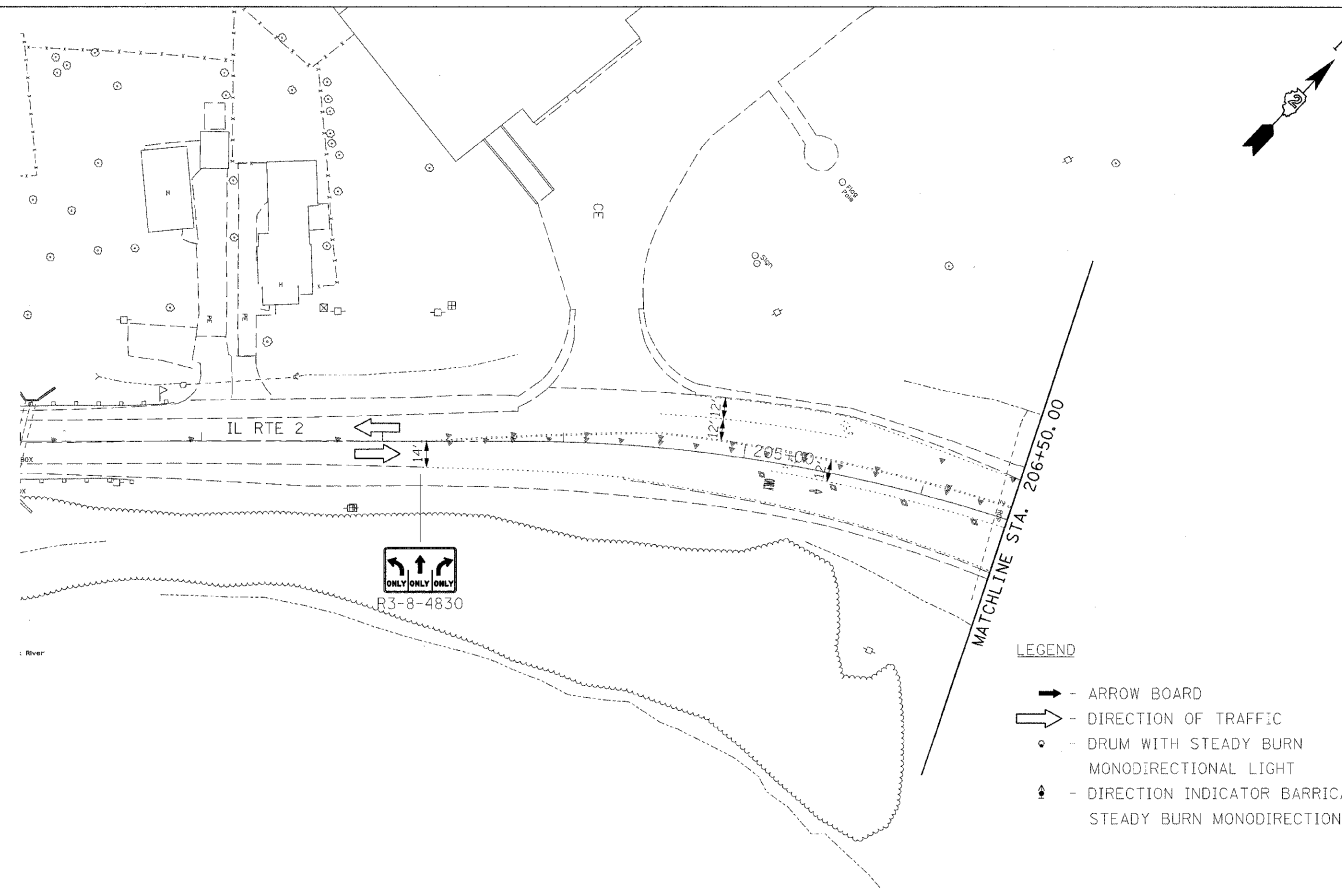
- MAINTAIN ONE 12' LANE AT ALL TIMES THROUGH THE CONSTRUCTION WORK ZONE.
- MERGE PASSING AND DRIVING LANES OF SB IL RTE 2 INTO THE DRIVING LANE OF IL RTE 2 SOUTH OF THE EB US 20 RAMP TO SB IL RTE 2.

EASTBOUND

- MAINTAIN EXISTING EB THRU/LEFT LANE AS A THRU ONLY LANE.

STAGE 3 NOTES

1. STATION AND OFFSETS FOR SHIFTING AND MERGING TRAFFIC ARE GIVEN TO THE OUTSIDE EDGE OF LANE UNLESS NOTED OTHERWISE.



PAVEMENT MARKING LEGEND

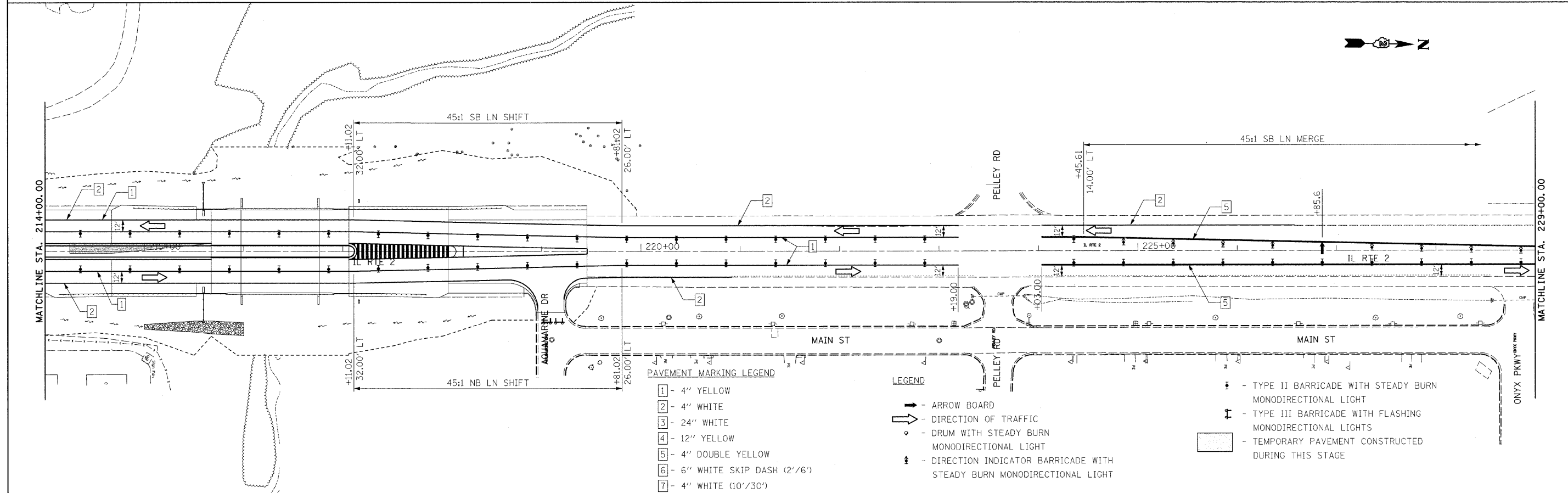
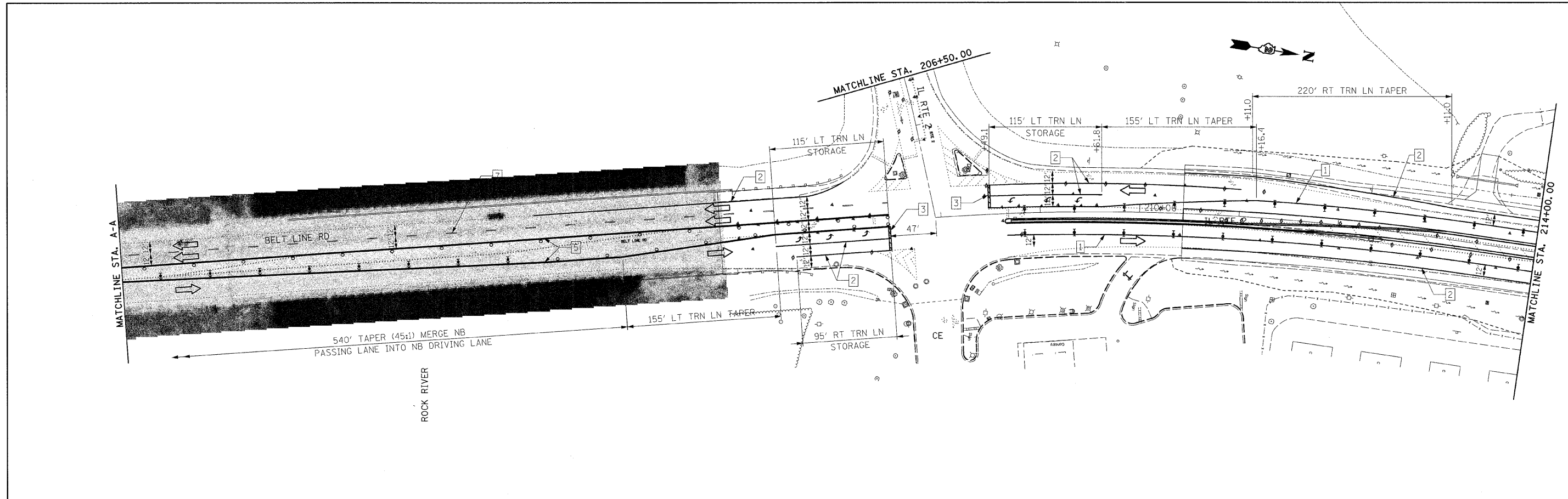
- 1 - 4" YELLOW
- 2 - 4" WHITE
- 3 - 24" WHITE
- 4 - 12" YELLOW
- 5 - 4" DOUBLE YELLOW
- 6 - 6" WHITE SKIP DASH (2'/6')
- 7 - 4" WHITE (10'/30')

LEGEND

- - ARROW BOARD
- ⇨ - DIRECTION OF TRAFFIC
- - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⬆ - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

- ⬆ - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⬆ - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ▨ - TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 3			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 1 OF 3 SHEETS	STA. 201+00 TO STA. 206+50	742	34BR-1	WINNEBAGO	78	29
		CHECKED -	REVISED -		CONTRACT NO. 64E68							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



PAVEMENT MARKING LEGEND

- 1 - 4" YELLOW
- 2 - 4" WHITE
- 3 - 24" WHITE
- 4 - 12" YELLOW
- 5 - 4" DOUBLE YELLOW
- 6 - 6" WHITE SKIP DASH (2'/6")
- 7 - 4" WHITE (10'/30')

LEGEND

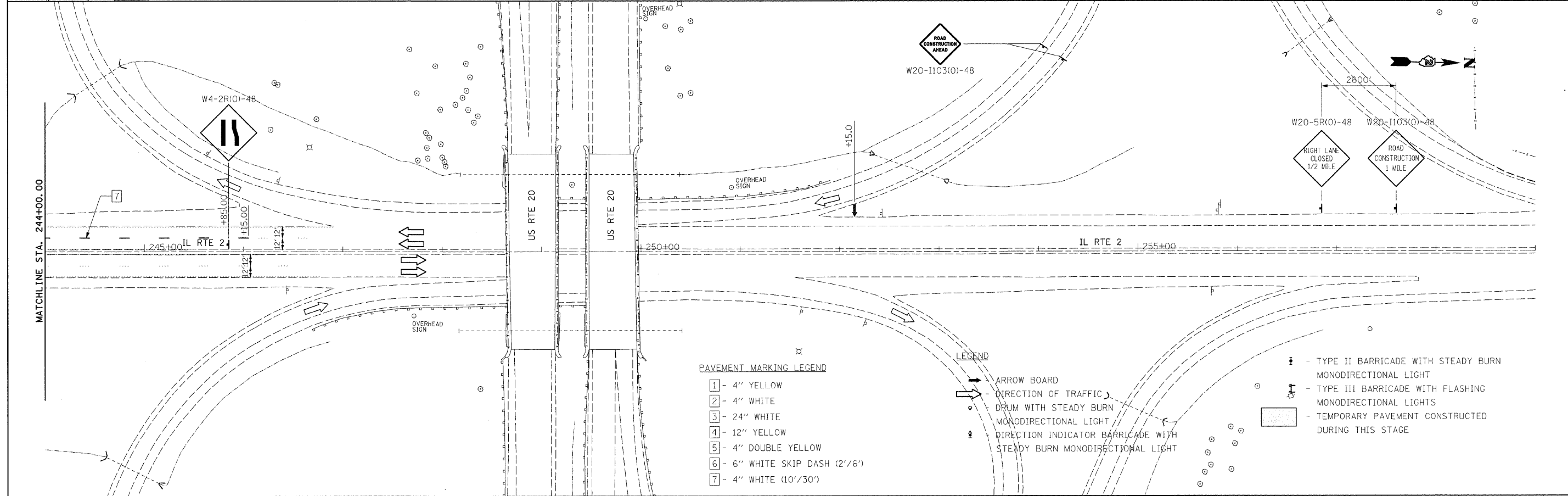
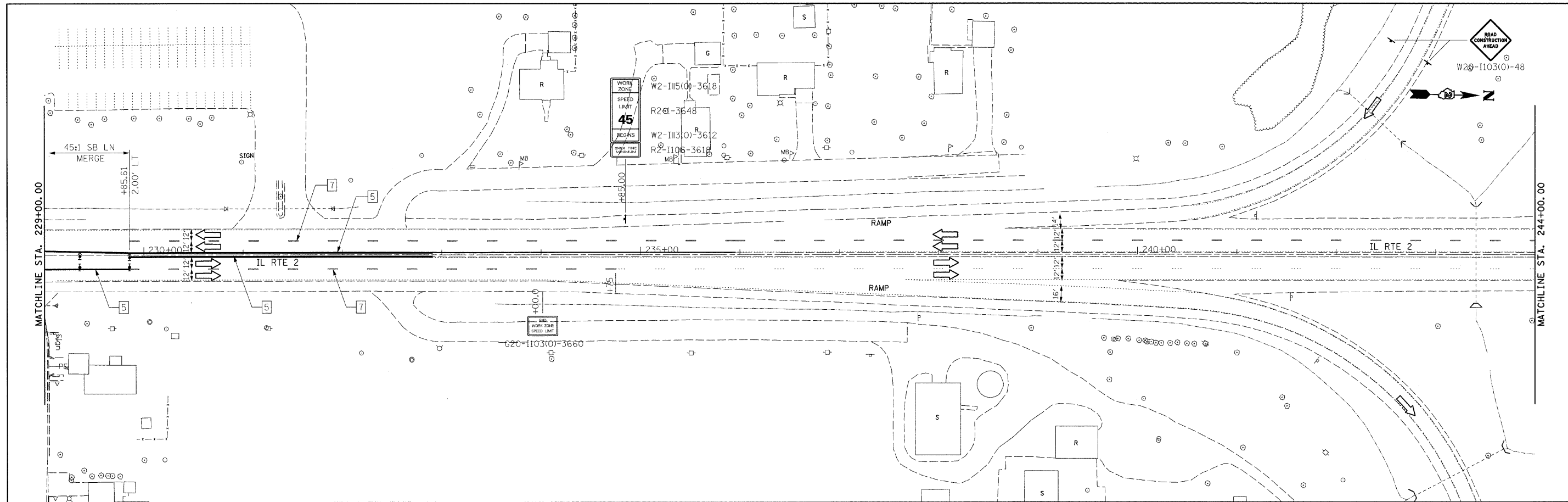
- ➔ - ARROW BOARD
- ➔ - DIRECTION OF TRAFFIC
- - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ▭ - TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 3		
SCALE: 1:50	SHEET NO. 2 OF 3 SHEETS	STA. 206+50 TO STA. 229+00

F.A.P. RTE. 742	SECTION 34BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 30
CONTRACT NO. 64E68				
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND**
- 1 - 4" YELLOW
 - 2 - 4" WHITE
 - 3 - 24" WHITE
 - 4 - 12" YELLOW
 - 5 - 4" DOUBLE YELLOW
 - 6 - 6" WHITE SKIP DASH (2"/6')
 - 7 - 4" WHITE (10"/30')

- LEGEND**
- ➡ ARROW BOARD
 - ➡ DIRECTION OF TRAFFIC
 - ⊙ DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ⊙ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

- ⊙ - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊙ - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ▭ - TEMPORARY PAVEMENT CONSTRUCTED DURING THIS STAGE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 3			F.A.P. RTE. 742	SECTION 348R-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 31
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 3 OF 3 SHEETS	STA. 229+00 TO STA. 259+00	CONTRACT NO. 64E68				
	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

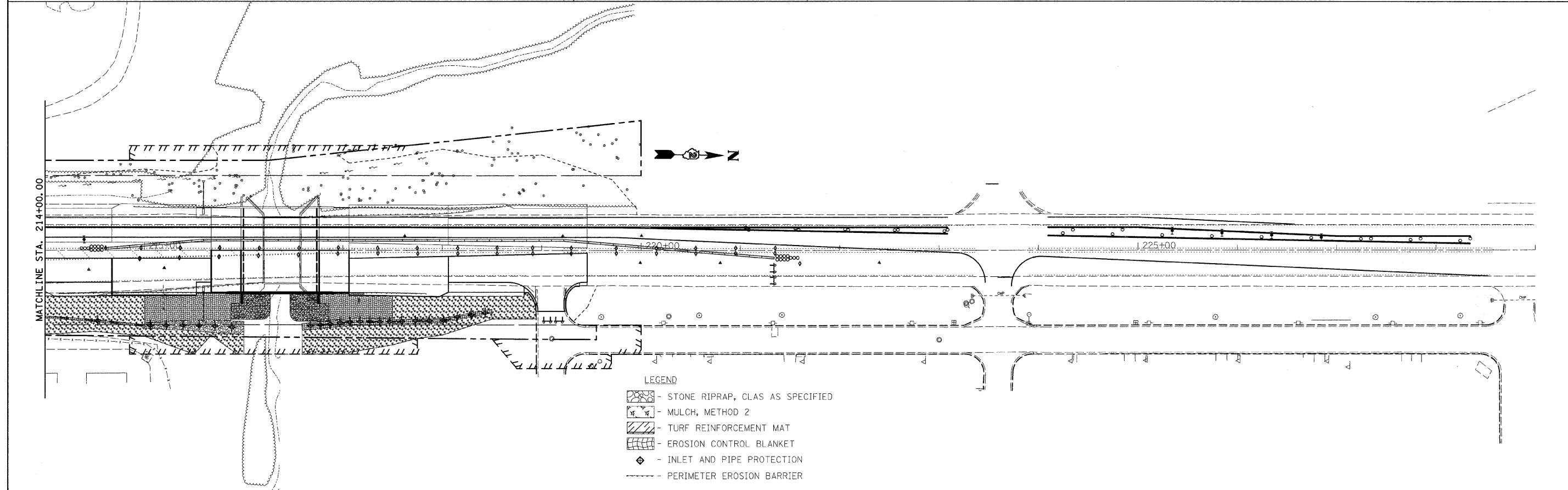
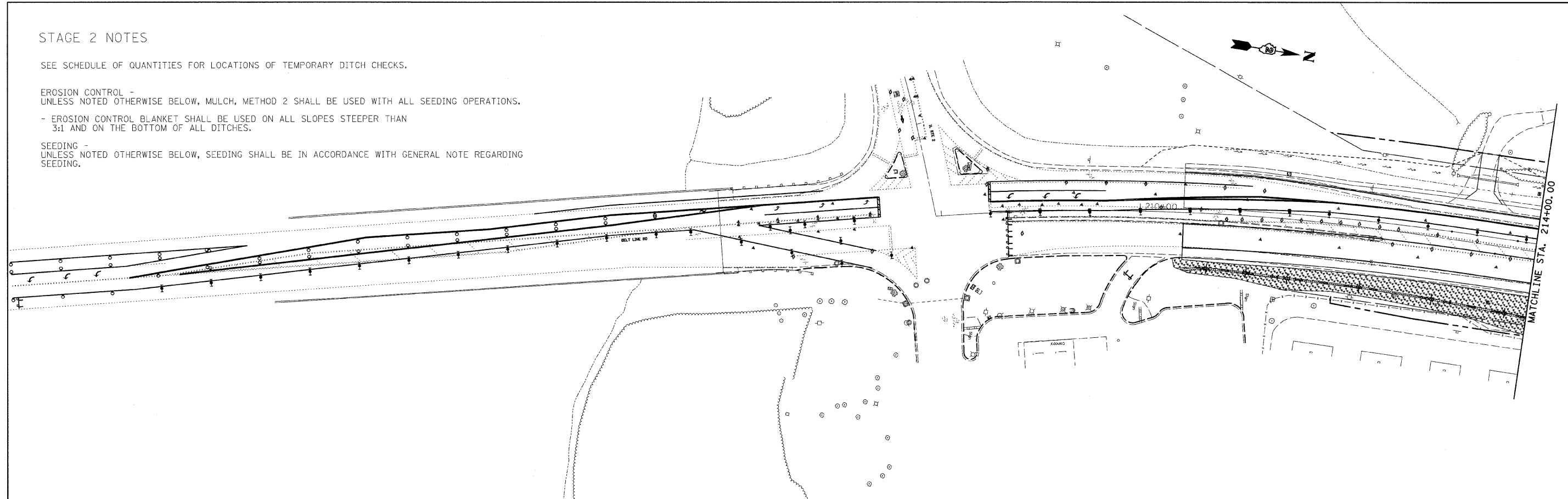
STAGE 2 NOTES

SEE SCHEDULE OF QUANTITIES FOR LOCATIONS OF TEMPORARY DITCH CHECKS.

EROSION CONTROL -
UNLESS NOTED OTHERWISE BELOW, MULCH, METHOD 2 SHALL BE USED WITH ALL SEEDING OPERATIONS.

- EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1 AND ON THE BOTTOM OF ALL DITCHES.

SEEDING -
UNLESS NOTED OTHERWISE BELOW, SEEDING SHALL BE IN ACCORDANCE WITH GENERAL NOTE REGARDING SEEDING.



- LEGEND
- STONE RIPRAP, CLAS AS SPECIFIED
 - MULCH, METHOD 2
 - TURF REINFORCEMENT MAT
 - EROSION CONTROL BLANKET
 - INLET AND PIPE PROTECTION
 - PERIMETER EROSION BARRIER

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL STAGE 2			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 1 OF 1 SHEETS	STA. 206+50 TO STA. 229+00	742	34BR-1	WINNEBAGO	78	34
	PLOT DATE = #DATE#	CHECKED -	REVISED -		CONTRACT NO. 64E68							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

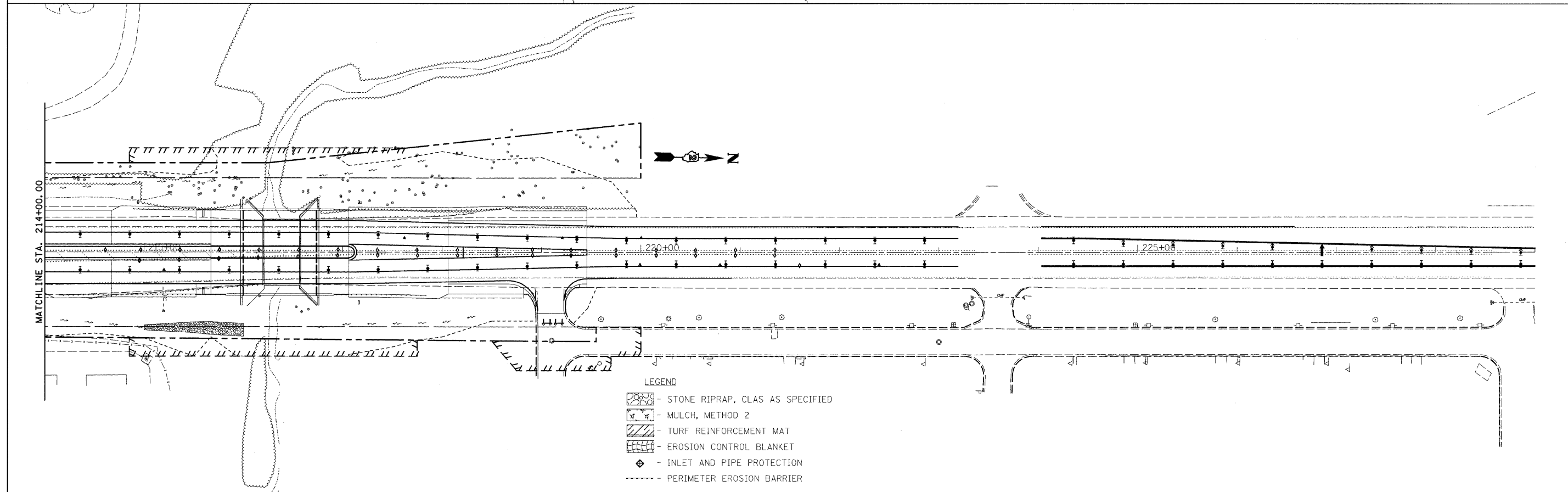
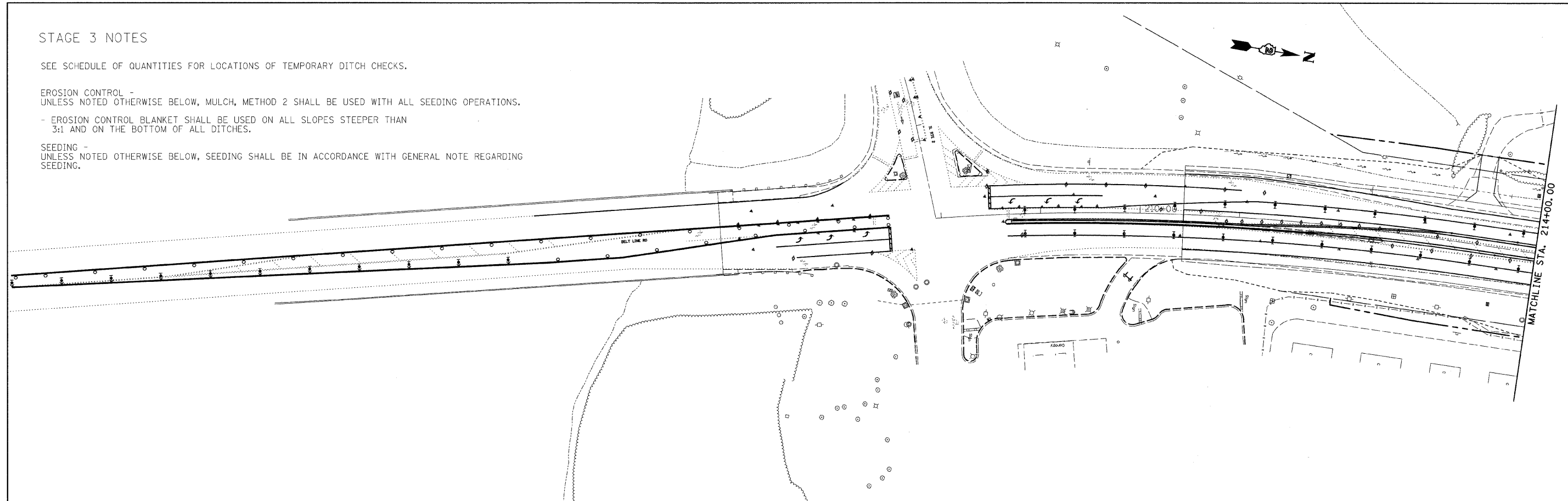
STAGE 3 NOTES

SEE SCHEDULE OF QUANTITIES FOR LOCATIONS OF TEMPORARY DITCH CHECKS.

EROSION CONTROL -
UNLESS NOTED OTHERWISE BELOW, MULCH, METHOD 2 SHALL BE USED WITH ALL SEEDING OPERATIONS.

- EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1 AND ON THE BOTTOM OF ALL DITCHES.

SEEDING -
UNLESS NOTED OTHERWISE BELOW, SEEDING SHALL BE IN ACCORDANCE WITH GENERAL NOTE REGARDING SEEDING.



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL STAGE 3			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		SCALE: 1:50	SHEET NO. 1 OF 1 SHEETS	STA. 206+50 TO STA. 229+00	742	34BR-1	WINNEBAGO	78	35
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		CONTRACT NO. 64E68							
	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Bench Mark: Chiseled "x" on fire hydrant bolt at S.E. corner pelly Rd. and Route 2 Elev. 718.46
Existing Structure: S.N. 101-0023 Single Span ±38.52' Bk. to Bk. abutments ±68.24' Out to Out. R.C. Tee-Beam bridge on closed abutments. Built as S.B.I. Rt. 2 Sect. 34-BR at Station 1105+08.0 in 1953. The Contractor shall remove the existing structure as required and replace it with a single span PPC I-Beam superstructure on integral abutments. The road shall be kept open to one lane of traffic in each direction at all times by utilizing stage construction.
No salvage.

STATION 216+34.64
BUILT 2010 BY
STATE OF ILLINOIS
LOADING HL-93
STRUCTURE NO. 101-0184

NAME PLATE
See Std. 515001

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

DESIGN SPECIFICATIONS
2007 AASHTO LRFD Bridge Design Specifications
with 2008 Interims

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60 ksi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270 ksi (low lax. 1/2" dia. strands)
fpbt = 202.5 ksi (low lax. 1/2" dia. strands)

SEISMIC DATA

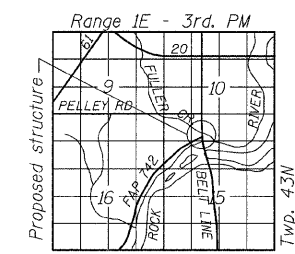
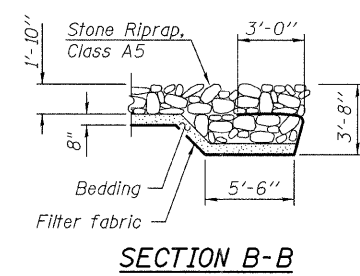
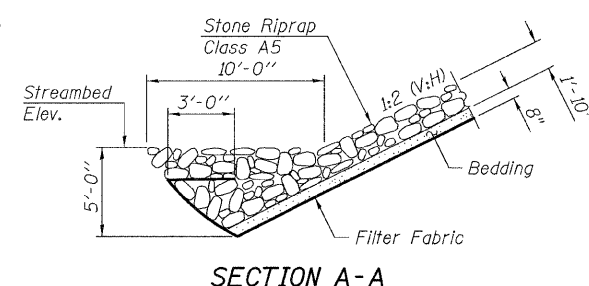
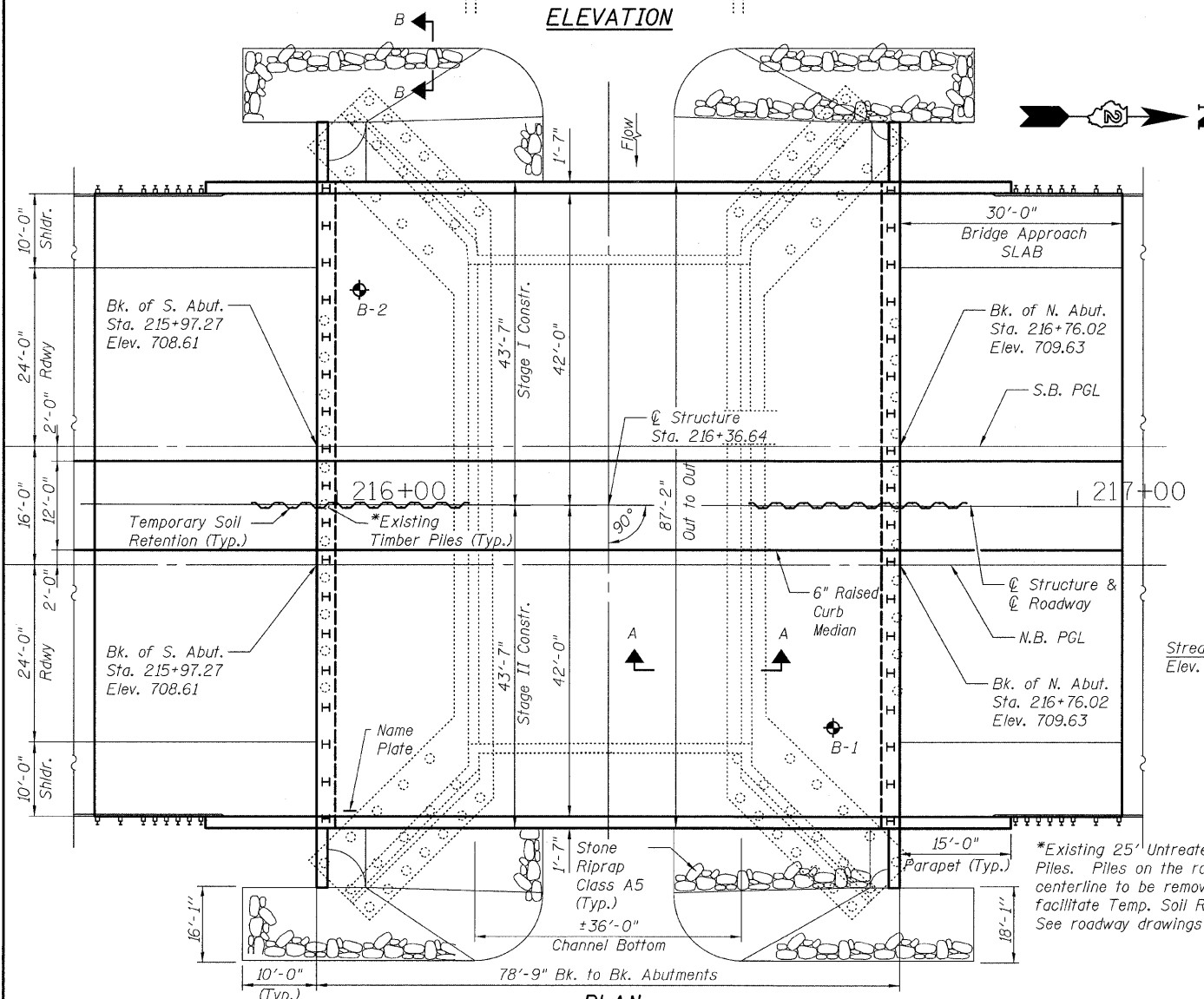
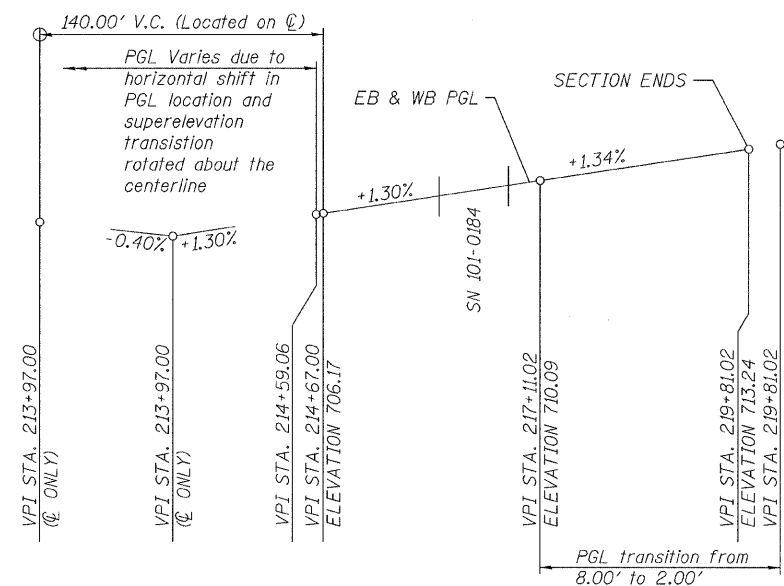
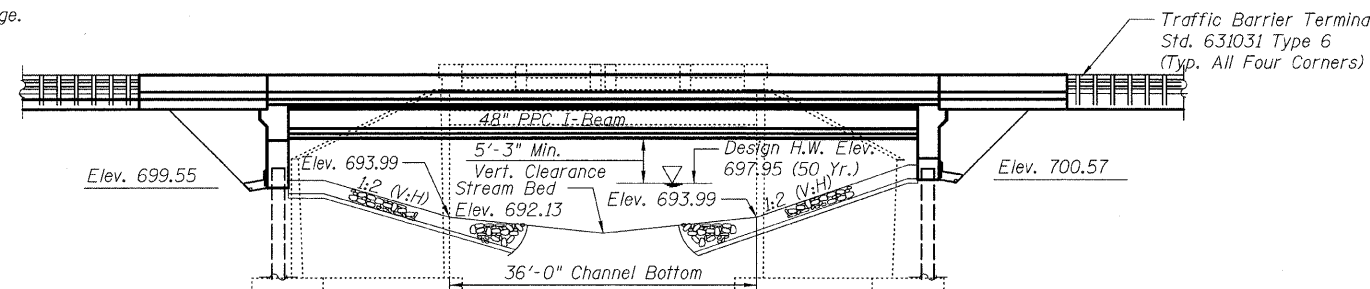
Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.238 g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.653 g
Soil Site Class = C

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	S. Abut. 699.55	N. Abut. 700.57
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INDEX OF SHEETS

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TEMPORARY SOIL RETENTION AND DRAINAGE DETAILS	4-6
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SUPERSTRUCTURE PLAN AND CROSS SECTION	10
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FRAMING PLAN AND SUPERSTRUCTURE DETAILS	14
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NORTH ABUTMENT	18
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BAR SPLICER ASSEMBLY DETAILS	20
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WATERWAY INFORMATION

Drainage Area = 4.79 sq. mi Low Grade Elev. 708.07 @ Sta. 214+99

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	889.92	176.42	210.11	697.95	0.12	0.00	698.07	698.00
Base	100	1009.99	185.03	220.12	698.19	0.19	0.01	698.38	698.20
Overtopping									
Max. Calc.	500	1280.15	200.20	243.69	698.61	0.44	0.12	699.05	698.75

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (TSP)
ENGINEER OF BRIDGES AND STRUCTURES

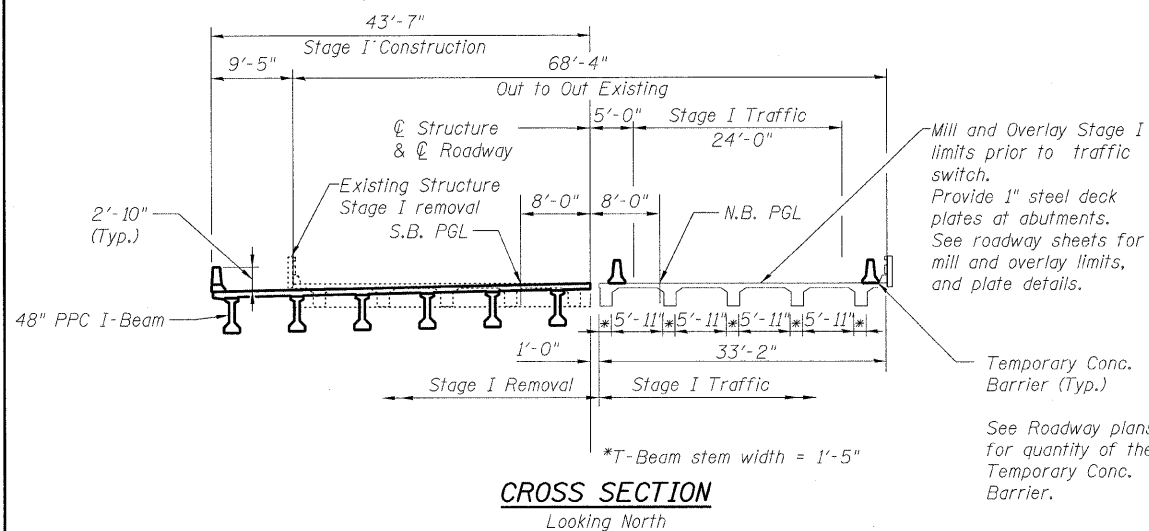
DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
(847)-640-0840

LOCATION SKETCH

SHEET NO. 1 OF 22 SHEETS	F.A.P. RTE. 742	SECTION 34BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 36
	CONTRACT NO. 64E68				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

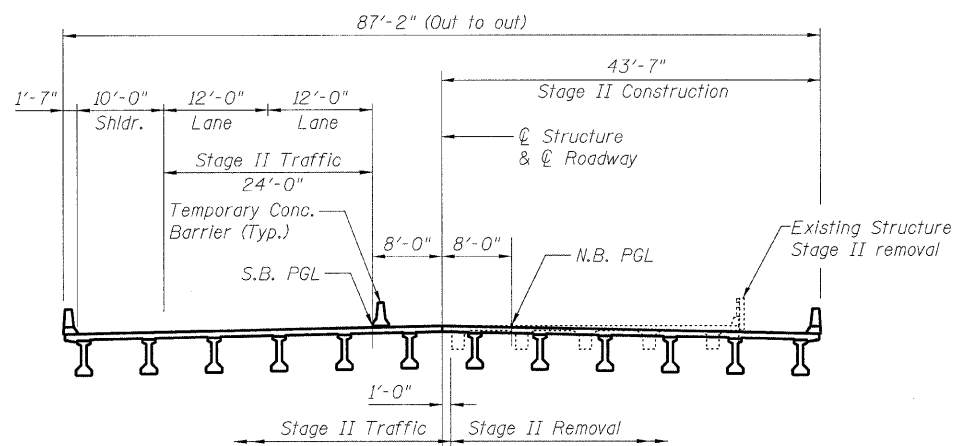
DESIGNED PRD
CHECKED WAT
DRAWN RTG/PRD
CHECKED ASP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



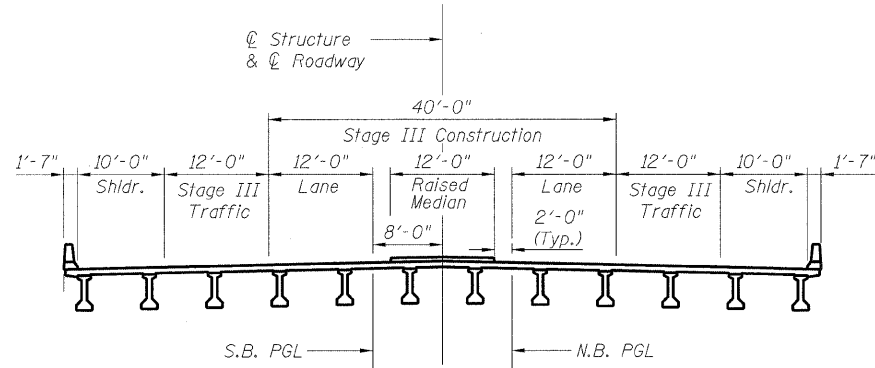
CROSS SECTION

Looking North



CROSS SECTION

Looking North



CROSS SECTION

Looking North

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD		375	375
STONE RIPRAP, CLASS A5	SQ YD		1053	1053
FILTER FABRIC	SQ YD		1053	1053
REMOVAL OF EXISTING STRUCTURES	EACH	1		1
STRUCTURE EXCAVATION	CU YD		124	124
CONCRETE STRUCTURES	CU YD		126.2	126.2
CONCRETE SUPERSTRUCTURE	CU YD	559.2		559.2
BRIDGE DECK GROOVING	SQ YD	1,048		1,048
CONCRETE ENCASEMENT	CU YD		12.6	12.6
PROTECTIVE COAT	SQ YD	1,399		1,399
FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS 48 IN.	FOOT	927.0		927.0
REINFORCEMENT BARS, EPOXY COATED	POUND	111,000	18,490	129,490
BAR SPLICERS	EACH	662	40	702
FURNISHING STEEL PILES HP12x63	FOOT		2193	2193
DRIVING PILES	FOOT		2193	2193
TEST PILE HP 12x63	EACH		2	2
NAME PLATES	EACH	1		1
GEOCOMPOSITE WALL DRAIN	SQ YD	180		180
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		215	215
TEMPORARY SOIL RETENTION SYSTEM	SQ FT		730.5	730.5

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements ASTM A706 GR. 60. See Special Provision.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
5. The contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
6. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

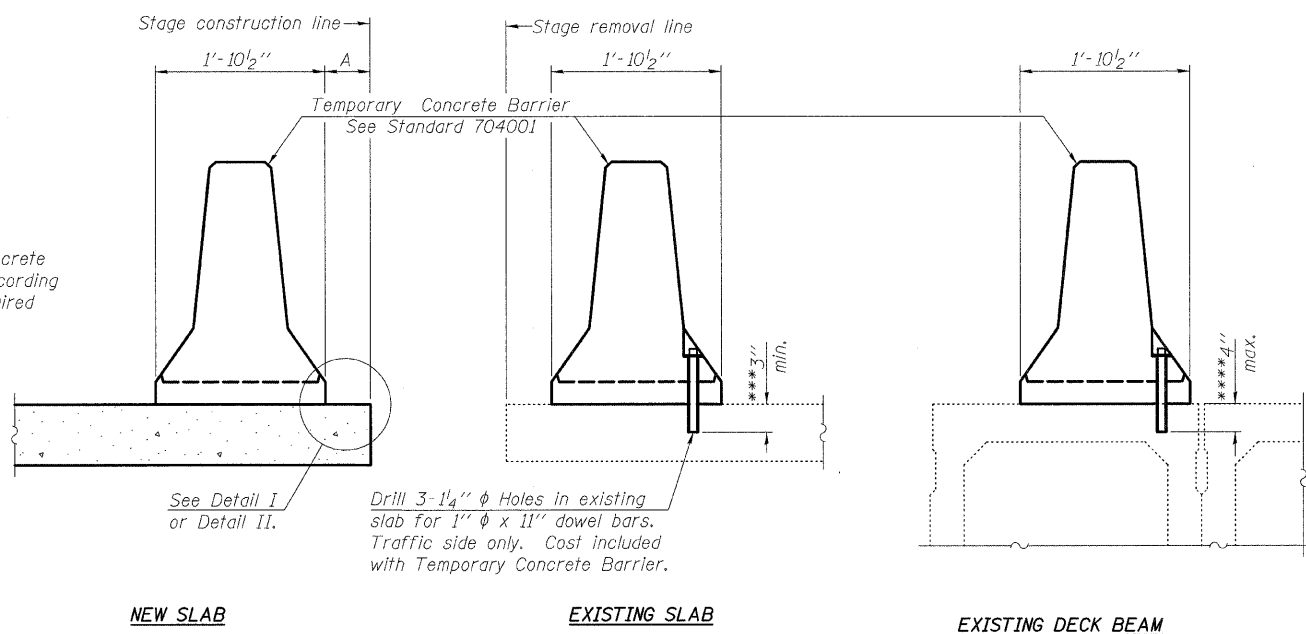
GENERAL DATA AND
STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 101-0184

SHEET NO. 2 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	37
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



NEW SLAB

EXISTING SLAB

EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ x 11" dowel bars. Traffic side only. Cost included with Temporary Concrete Barrier.

See Detail I or Detail II.

NOTES

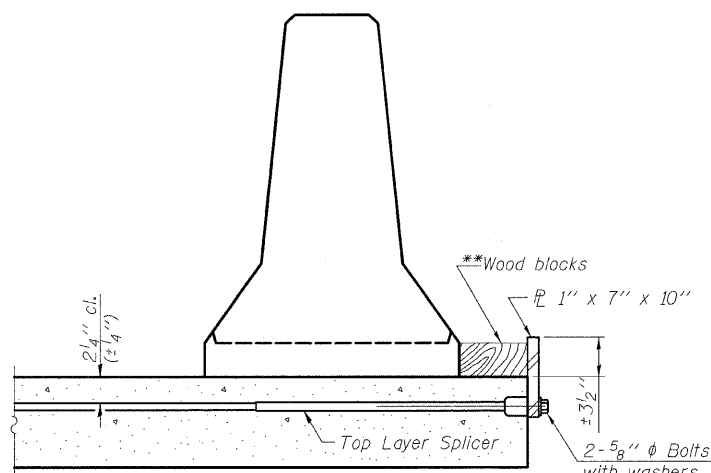
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{L} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{L} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.

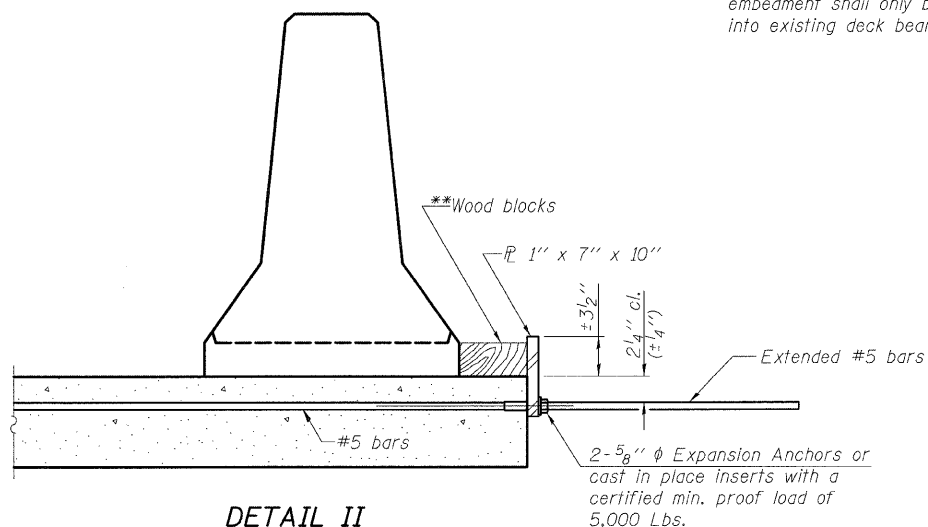
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

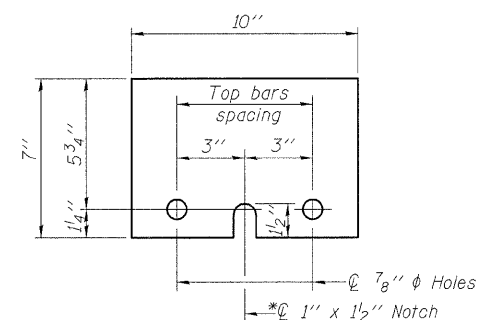
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER \bar{L} 1" x 7" x 10"

* Required only with Detail II

**Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
STRUCTURE NO. 101-0184

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

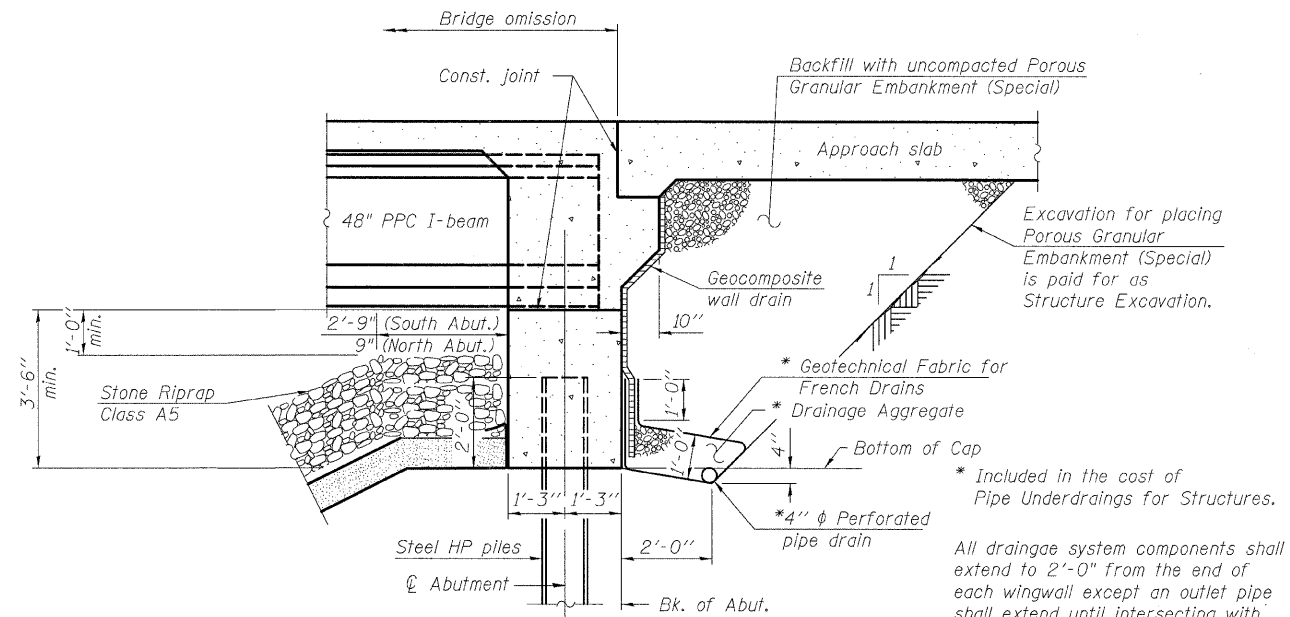
R-27

10-1-08

DLZ
DLZ Illinois, Inc.
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Arlington Heights IL 60005

SHEET NO. 3 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	38
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

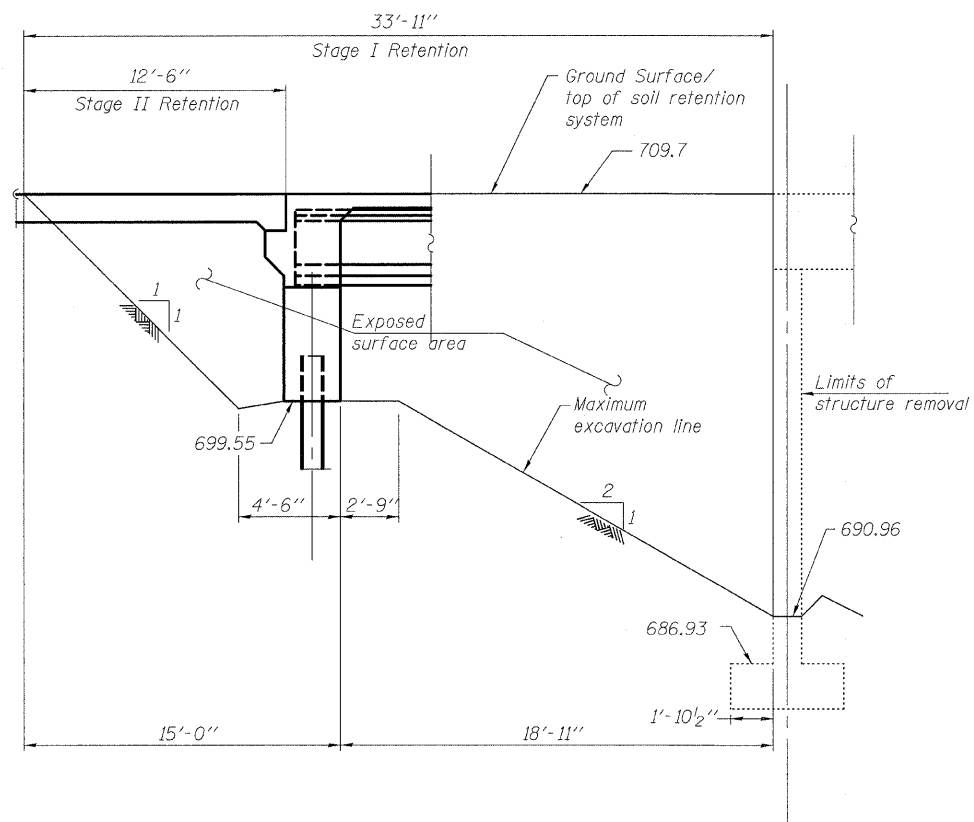
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



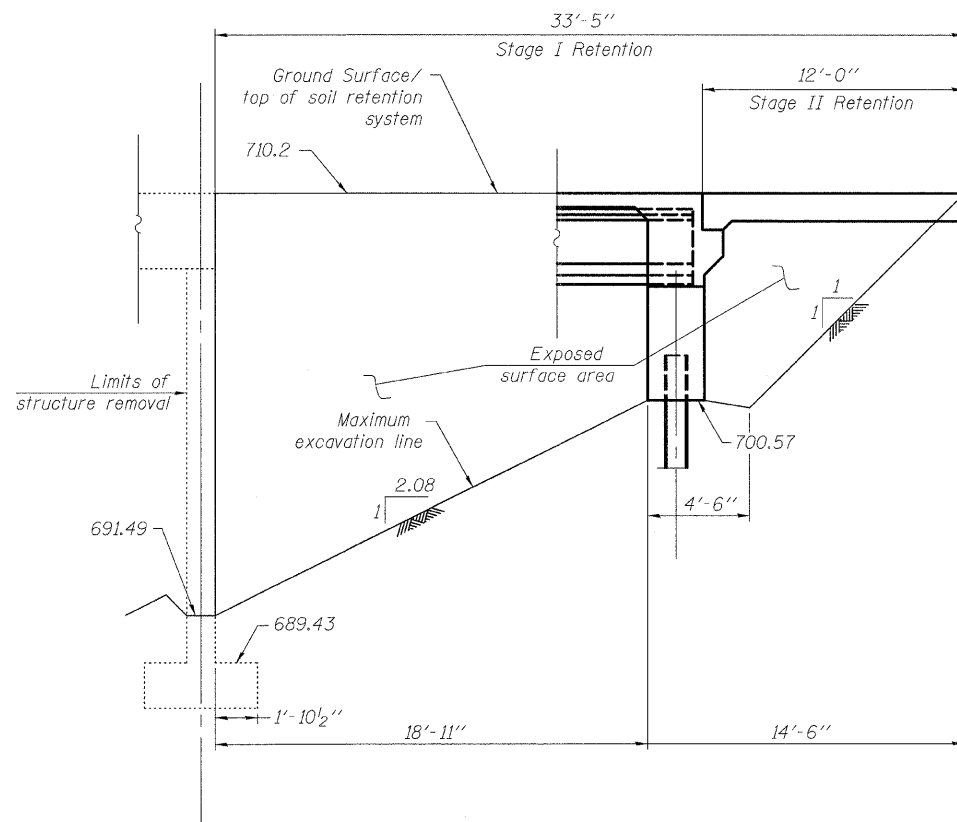
SECTION THRU INTEGRAL ABUTMENT

* Included in the cost of Pipe Underdrains for Structures.

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110.1)



SOUTH TEMPORARY SOIL RETENTION



NORTH TEMPORARY SOIL RETENTION

TEMPORARY SOIL RETENTION SYSTEM AND DRAINAGE DETAILS STRUCTURE NO. 101-0184

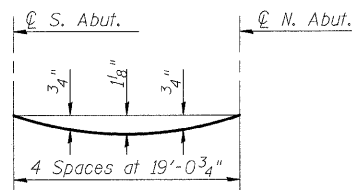
Note:
A cantilever sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

SHEET NO. 4 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	39
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

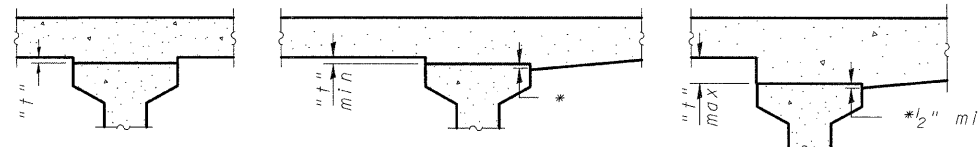


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



* Variable (Not Less than 1/2")

At Minimum Fillet At Maximum Fillet

INTERIOR BEAMS

EXTERIOR BEAMS

To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown below, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

BEAMS 1 & 12

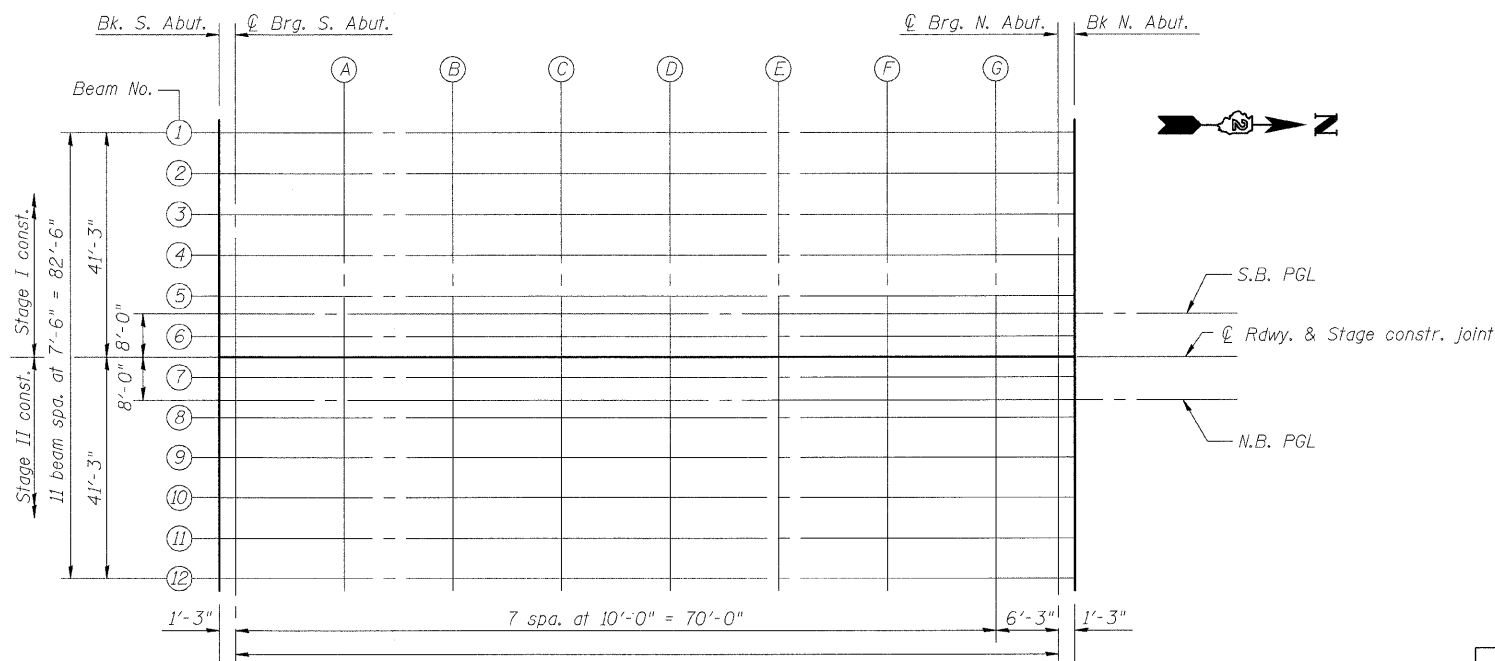
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	215+97.27	+41.25	707.92	707.92
Brg. S. Abut.	215+98.52	+41.25	707.94	707.94
A	216+08.52	+41.25	708.06	708.10
B	216+18.52	+41.25	708.19	708.26
C	216+28.52	+41.25	708.32	708.41
D	216+38.52	+41.25	708.45	708.54
E	216+48.52	+41.25	708.58	708.66
F	216+58.52	+41.25	708.71	708.77
G	216+68.52	+41.25	708.84	708.86
Brg. N. Abut.	216+74.77	+41.25	708.92	708.92
Bk. of N. Abut.	216+76.02	+41.25	708.93	708.93

BEAMS 2 & 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	215+97.27	+33.75	708.08	708.08
Brg. S. Abut.	215+98.52	+33.75	708.09	708.09
A	216+08.52	+33.75	708.22	708.26
B	216+18.52	+33.75	708.35	708.42
C	216+28.52	+33.75	708.48	708.56
D	216+38.52	+33.75	708.61	708.70
E	216+48.52	+33.75	708.74	708.82
F	216+58.52	+33.75	708.87	708.92
G	216+68.52	+33.75	708.99	709.02
Brg. N. Abut.	216+74.77	+33.75	709.07	709.07
Bk. of N. Abut.	216+76.02	+33.75	709.09	709.09

BEAMS 3 & 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	215+97.27	+26.25	708.23	708.23
Brg. S. Abut.	215+98.52	+26.25	708.25	708.25
A	216+08.52	+26.25	708.38	708.41
B	216+18.52	+26.25	708.51	708.57
C	216+28.52	+26.25	708.63	708.72
D	216+38.52	+26.25	708.76	708.85
E	216+48.52	+26.25	708.89	708.97
F	216+58.52	+26.25	709.02	709.08
G	216+68.52	+26.25	709.15	709.17
Brg. N. Abut.	216+74.77	+26.25	709.23	709.23
Bk. of N. Abut.	216+76.02	+26.25	709.25	709.25



PLAN

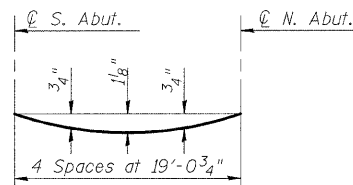
DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 101-0184**

SHEET NO. 5 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	40
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

DLZ DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

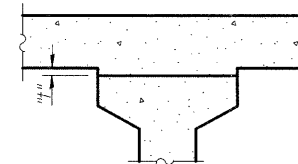
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflections" shown below, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

BEAMS 4 & 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	215+97.27	±18.75	708.39	708.39
Brg. S. Abut.	215+98.52	±18.75	708.40	708.40
A	216+08.52	±18.75	708.53	708.57
B	216+18.52	±18.75	708.66	708.73
C	216+28.52	±18.75	708.79	708.88
D	216+38.52	±18.75	708.92	709.01
E	216+48.52	±18.75	709.05	709.13
F	216+58.52	±18.75	709.18	709.23
G	216+68.52	±18.75	709.31	709.33
Brg. N. Abut.	216+74.77	±18.75	709.39	709.39
Bk. of N. Abut.	216+76.02	±18.75	709.40	709.40

BEAMS 5 & 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	215+97.27	±11.25	708.54	708.54
Brg. S. Abut.	215+98.52	±11.25	708.56	708.56
A	216+08.52	±11.25	708.69	708.73
B	216+18.52	±11.25	708.82	708.88
C	216+28.52	±11.25	708.95	709.03
D	216+38.52	±11.25	709.08	709.17
E	216+48.52	±11.25	709.21	709.29
F	216+58.52	±11.25	709.33	709.39
G	216+68.52	±11.25	709.46	709.49
Brg. N. Abut.	216+74.77	±11.25	709.54	709.54
Bk. of N. Abut.	216+76.02	±11.25	709.56	709.56

BEAMS 6 & 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	215+97.27	±3.75	708.70	708.70
Brg. S. Abut.	215+98.52	±3.75	708.72	708.72
A	216+08.52	±3.75	708.85	708.88
B	216+18.52	±3.75	708.97	709.04
C	216+28.52	±3.75	709.10	709.19
D	216+38.52	±3.75	709.23	709.32
E	216+48.52	±3.75	709.36	709.44
F	216+58.52	±3.75	709.49	709.55
G	216+68.52	±3.75	709.62	709.64
Brg. N. Abut.	216+74.77	±3.75	709.70	709.20
Bk. of N. Abut.	216+76.02	±3.75	709.72	709.72

BRIDGE/ROADWAY & STAGE CONSTRUCTION

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	215+97.27	±0.00	708.78	708.78
Brg. S. Abut.	215+98.52	±0.00	708.79	708.79
A	216+08.52	±0.00	708.92	708.96
B	216+18.52	±0.00	709.05	709.12
C	216+28.52	±0.00	709.18	709.27
D	216+38.52	±0.00	709.31	709.40
E	216+48.52	±0.00	709.44	709.52
F	216+58.52	±0.00	709.57	709.62
G	216+68.52	±0.00	709.70	709.72
Brg. N. Abut.	216+74.77	±0.00	709.78	709.78
Bk. of N. Abut.	216+76.02	±0.00	709.79	709.79

PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	215+97.27	±8.00	708.61	708.61
Brg. S. Abut.	215+98.52	±8.00	708.63	708.63
A	216+08.52	±8.00	708.76	708.79
B	216+18.52	±8.00	708.89	708.95
C	216+28.52	±8.00	709.01	709.10
D	216+38.52	±8.00	709.14	709.23
E	216+48.52	±8.00	709.27	709.35
F	216+58.52	±8.00	709.40	709.46
G	216+68.52	±8.00	709.53	709.55
Brg. N. Abut.	216+74.77	±8.00	709.61	709.61
Bk. of N. Abut.	216+76.02	±8.00	709.63	709.63

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 101-0184**

SHEET NO. 6 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	41
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH APPROACH SLAB
EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. App. Slab	215+67.27	± 42.00	707.51
A1	215+77.27	± 42.00	707.64
A2	215+87.27	± 42.00	707.77
N. End of S. App. Slab	215+97.27	± 42.00	707.90

SOUTH APPROACH SLAB
EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. App. Slab	215+67.27	± 32.00	707.72
A1	215+77.27	± 32.00	707.85
A2	215+87.27	± 32.00	707.98
N. End of S. App. Slab	215+97.27	± 32.00	708.11

NORTH APPROACH SLAB
EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. App. Slab	216+76.02	± 42.00	708.92
A3	216+86.02	± 42.00	709.05
A4	216+96.02	± 42.00	709.18
N. End of N. App. Slab	216+06.02	± 42.00	709.31

NORTH APPROACH SLAB
EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. App. Slab	216+76.02	± 32.00	709.13
A3	216+86.02	± 32.00	709.26
A4	216+96.02	± 32.00	709.39
N. End of N. App. Slab	216+06.02	± 32.00	709.52

SOUTH APPROACH SLAB
PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. App. Slab	215+67.27	± 8.00	708.22
A1	215+77.27	± 8.00	708.35
A2	215+87.27	± 8.00	708.48
N. End of S. App. Slab	215+97.27	± 8.00	708.61

SOUTH APPROACH SLAB
☉ BRIDGE, CONSTR. JT.

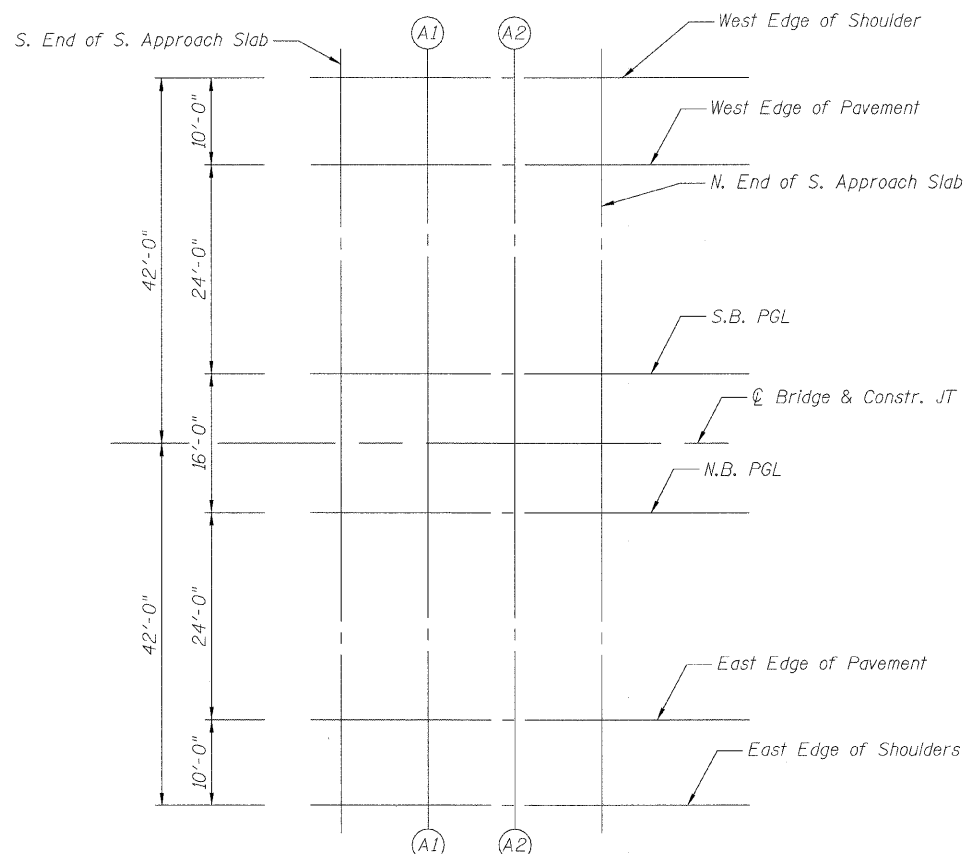
Location	Station	Offset	Theoretical Grade Elevations
S. End of S. App. Slab	215+67.27	0.00	708.39
A1	215+77.27	0.00	708.52
A2	215+87.27	0.00	708.65
N. End of S. App. Slab	215+97.27	0.00	708.78

NORTH APPROACH SLAB
PROFILE GRADE LINE

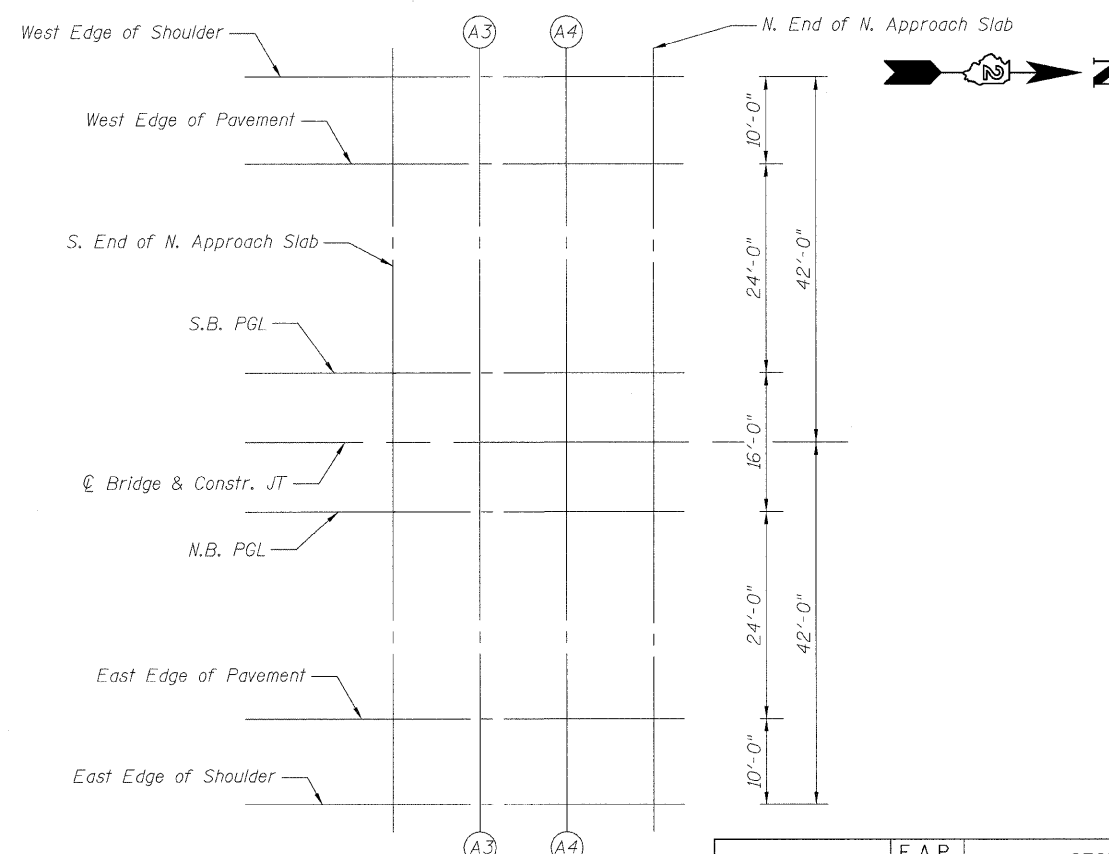
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. App. Slab	216+76.02	± 8.00	709.63
A3	216+86.02	± 8.00	709.76
A4	216+96.02	± 8.00	709.89
N. End of N. App. Slab	216+06.02	± 8.00	710.02

NORTH APPROACH SLAB
☉ BRIDGE, CONSTR. JT.

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. App. Slab	216+76.02	0.00	709.79
A3	216+86.02	0.00	709.92
A4	216+96.02	0.00	710.05
N. End of N. App. Slab	216+06.02	0.00	710.18



S. APPROACH PLAN



N. APPROACH PLAN

TOP OF APPROACH
SLAB ELEVATIONS
STRUCTURE NO. 101-0184

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

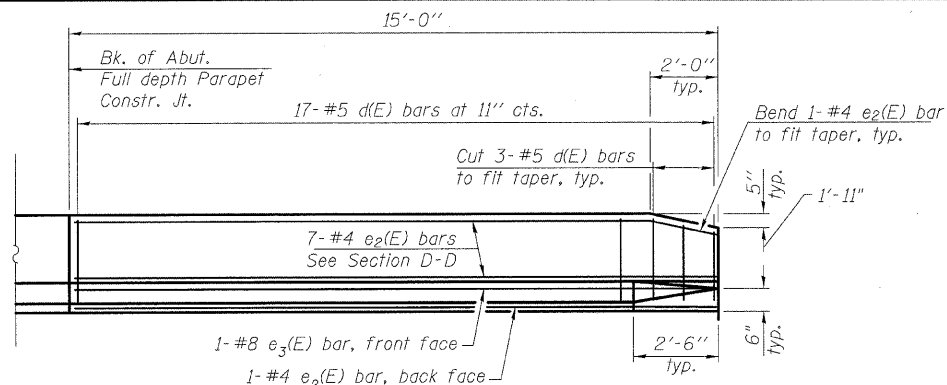
DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

SHEET NO. 7 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	42
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

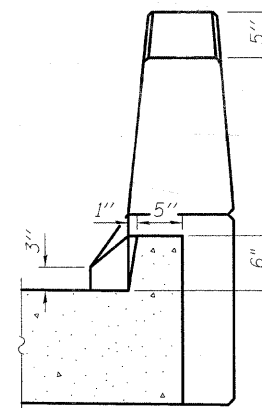
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MINIMUM BAR LAP

(Parapet)
#4 bar = 1'-4"
#8 bar = 3'-5"

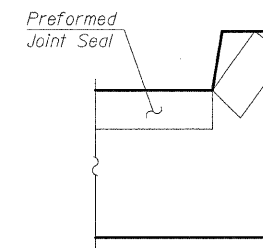


VIEW E-E



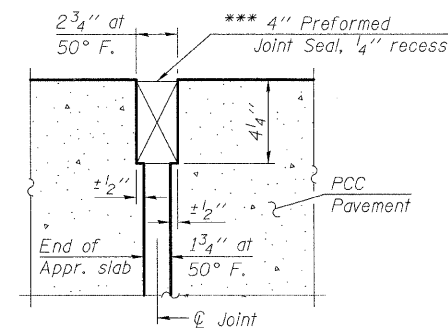
VIEW B-B

(Exit ends only)

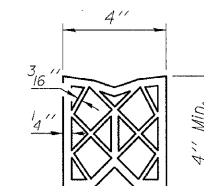


VIEW F-F

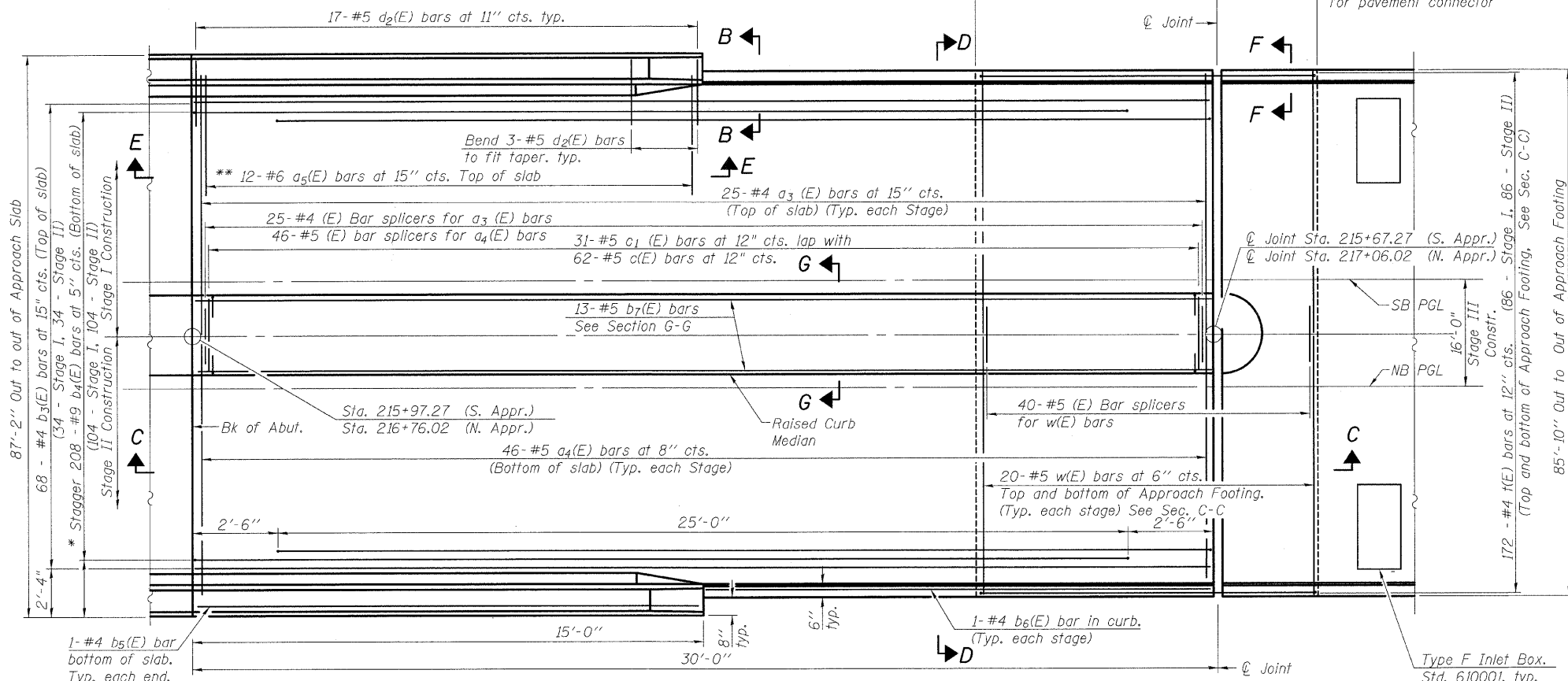
Angle Preformed Joint Seal at 45° at curbs when req'd for drainage.



**RIGID PAVEMENT
DETAIL A**

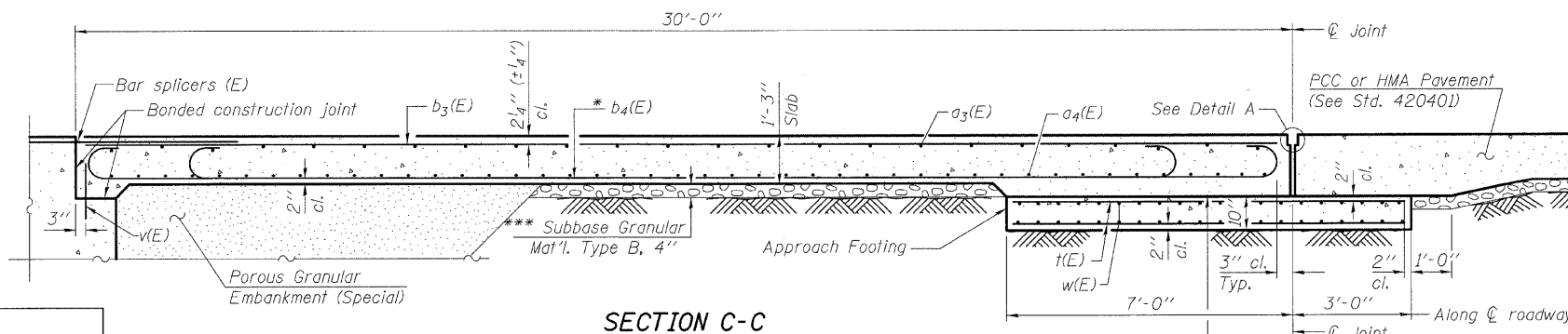


**PREFORMED
JOINT SEAL**



PLAN

(North Approach Shown)



SECTION C-C

Notes:

- See sheet 8 of 21 for Section D-D, Section G-G, Bar detailing, and Bill of Materials.
- Approach Slab, Raised Curb Median, and Parapet concrete shall be paid for as Concrete Superstructure.
- Approach footing concrete shall be paid for as Concrete Structures.
- Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
- For v(E) bar details, see sheet 10 of 21.
- The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
- For details of Bar Splicers, see sheet 19 of 21.
- Cost of excavation for approach footing included with Concrete Structures.
- For Porous Granular Embankment (Special) and drainage treatment details, see sheet 3 of 21.

**APPROACH SLAB PLAN AND DETAILS
STRUCTURE NO. 101-0184**

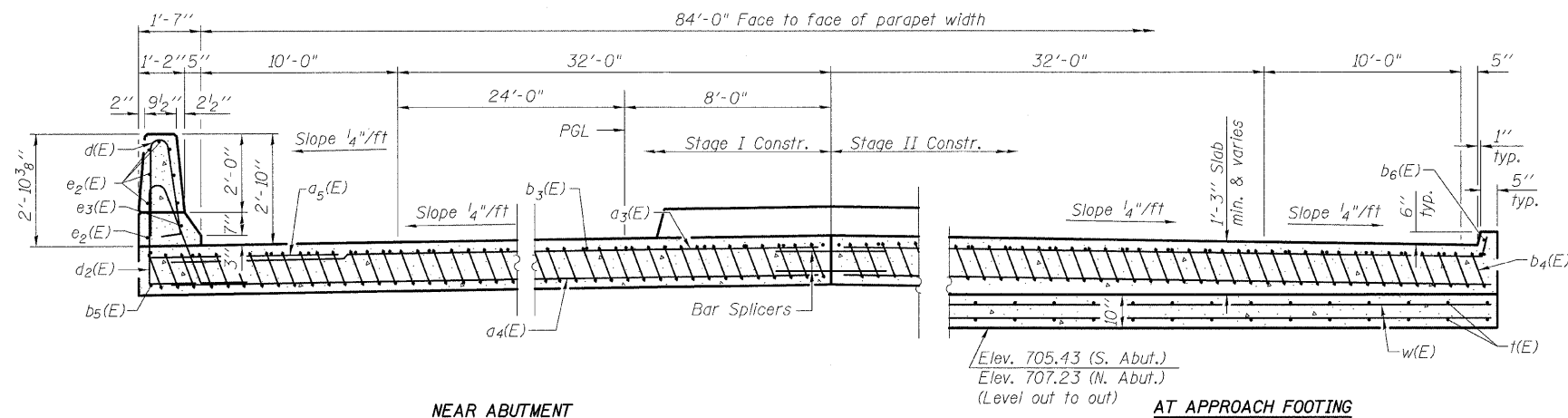
DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

- * Tilt #9 b4(E) bars as required to maintain clearance.
- ** Alternate with a3(E) bars, typ. each parapet.
- *** Cost included with Concrete Superstructure.

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SHEET NO. 8 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	43
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

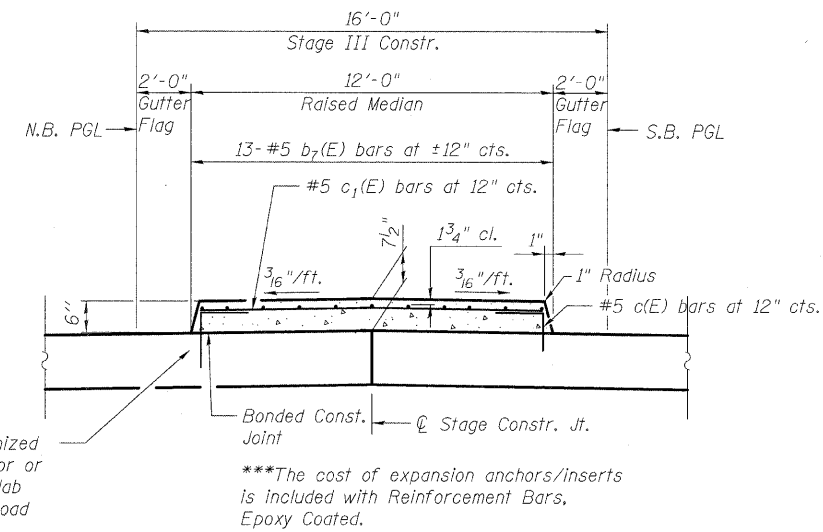


NEAR ABUTMENT

AT APPROACH FOOTING

SECTION D-D

(See Plan for dimensions not shown)



SECTION G-G

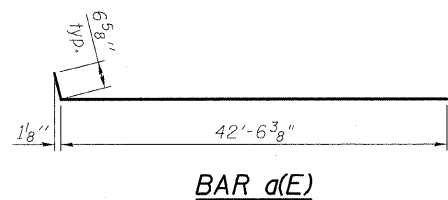
(See Plan for dimensions not shown)

TWO APPROACHES
BILL OF MATERIAL

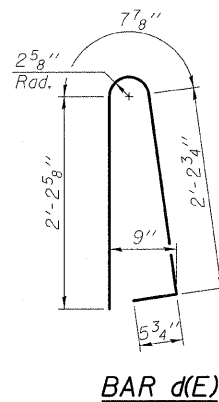
Bar	No.	Size	Length	Shape
a3(E)	100	#4	43'-1"	—
a4(E)	184	#5	43'-3"	—
a5(E)	48	#6	6'-0"	—
b3(E)	136	#4	29'-8"	—
b4(E)	416	#9	29'-9"	—
b5(E)	4	#4	14'-8"	—
b6(E)	4	#4	14'-9"	—
b7(E)	26	#5	29'-8"	—
c(E)	124	#5	1'-4"	—
c1(E)	62	#5	11'-8"	—
d(E)	68	#5	5'-7"	—
d2(E)	68	#5	7'-11"	—
e2(E)	32	#4	14'-8"	—
e3(E)	4	#8	14'-8"	—
f(E)	344	#4	9'-8"	—
w(E)	160	#5	42'-9"	—
Concrete Superstructure		Cu. Yd.	274.5	
Concrete Structures		Cu. Yd.	53.0	
Reinforcement Bars, Epoxy Coated		Pound	68,990	

Notes:
Quantities in Bill of Material above are for two Approach Slabs.
Approach Slab, Raised Curb Median, and Parapet concrete shall be paid for as Concrete Superstructure.
Approach Footing concrete shall be paid for as Concrete structures.
Reinforcement bars designated (E) shall be epoxy coated.
For Bar Splicers details, see sheet 19 of 21.
Bars indicated thus 1 x 2 - #5 etc. indicates 1 line of bars with 2 lengths per line.

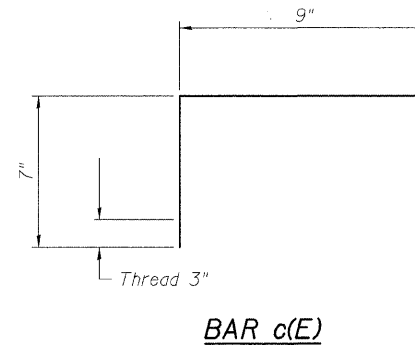
APPROACH SLAB DETAILS
STRUCTURE NO. 101-0184



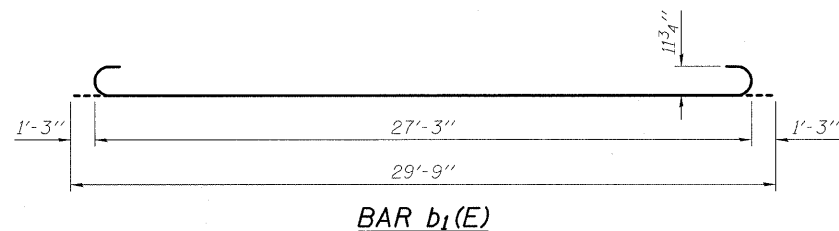
BAR d1(E)



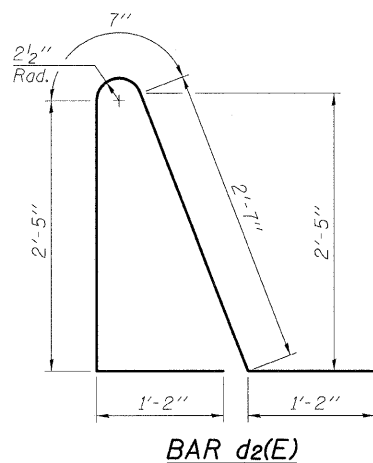
BAR d2(E)



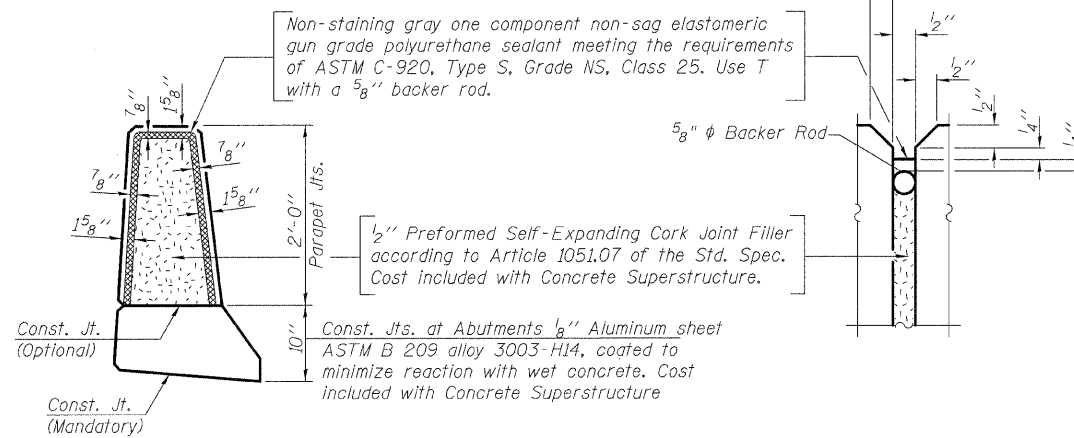
BAR c(E)



BAR b1(E)



BAR d2(E)



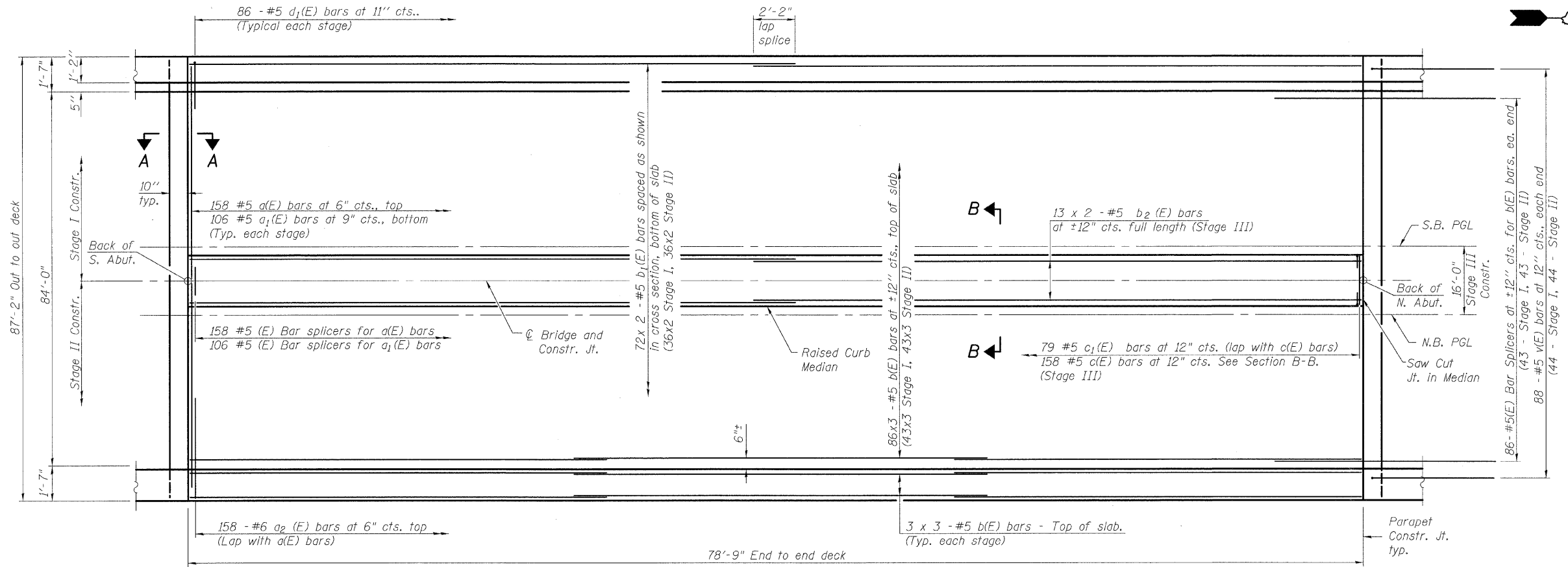
PARAPET JOINT DETAILS

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

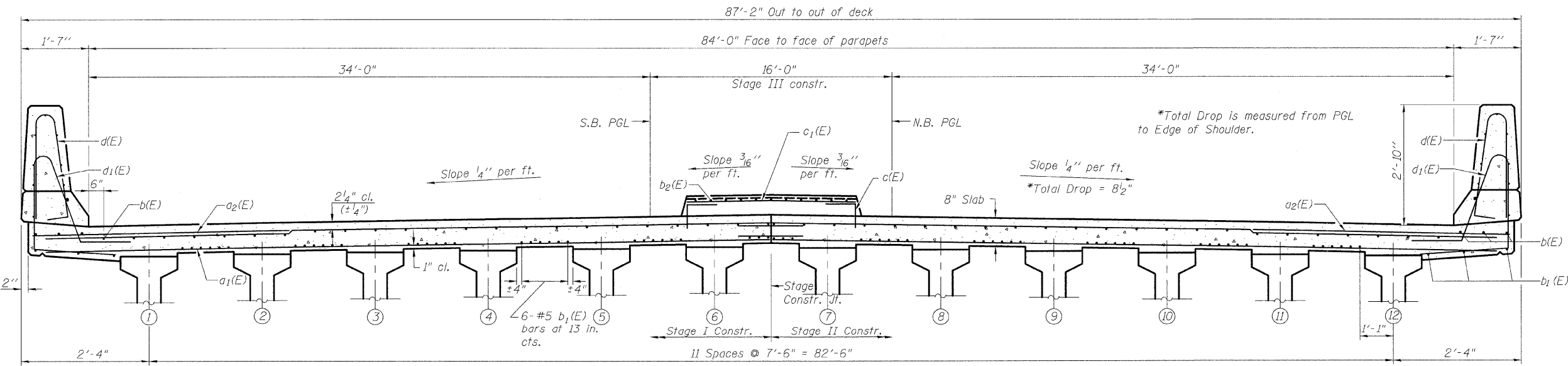
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Arlington Heights IL 60005

SHEET NO. 9 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	44
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN



CROSS SECTION
(Looking North)

Notes:
See Sheet 10 of 21 for Superstructure Details, Bill of Materials, Parapet Reinforcement, Section B-B, and Raised Median Details.
See Sheet 12 of 21 for Section A-A. For details of Bar Splicers, see sheet 19 of 21.
Bars indicated thus: 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

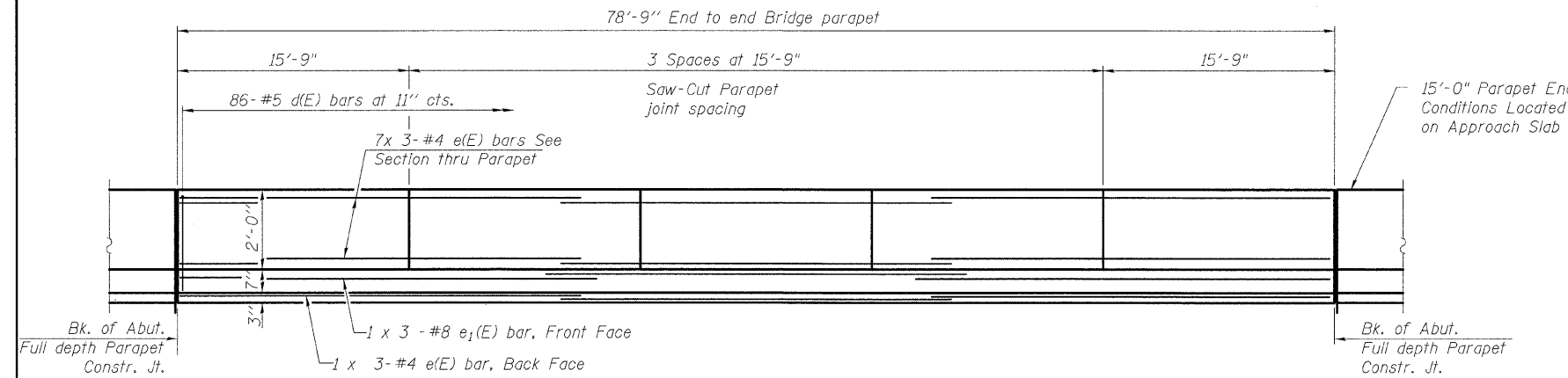
**SUPERSTRUCTURE PLAN
AND CROSS-SECTION
STRUCTURE NO. 101-0184**

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

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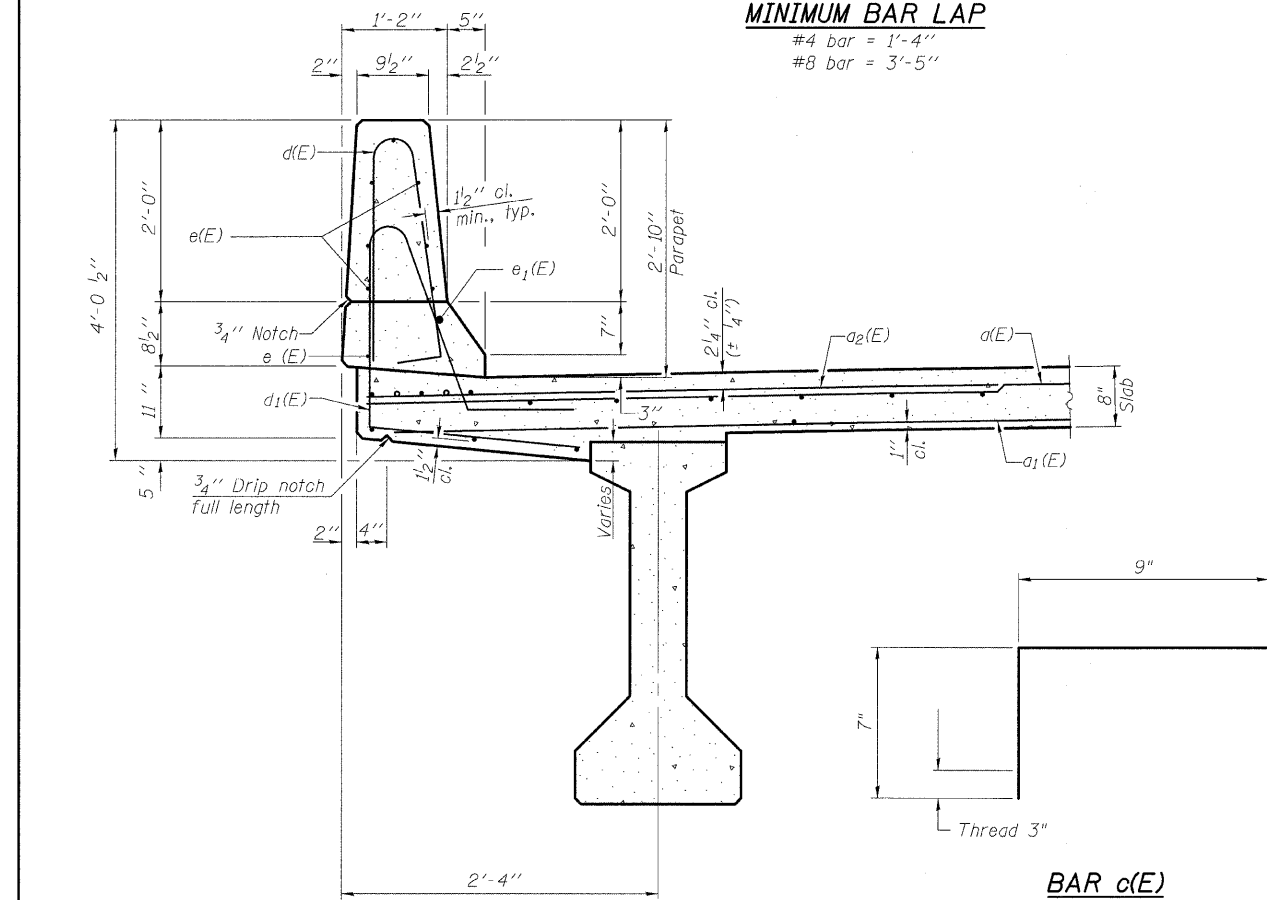
SHEET NO. 10 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	45
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

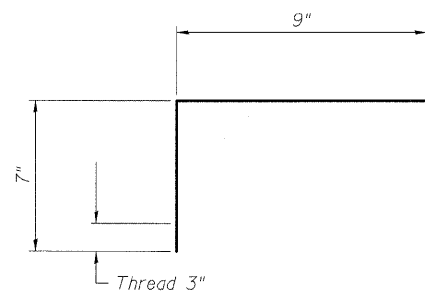


INSIDE ELEVATION OF PARAPET
(Typical each Stage)

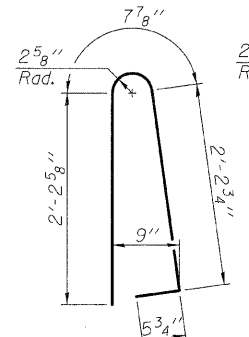
MINIMUM BAR LAP
#4 bar = 1'-4"
#8 bar = 3'-5"



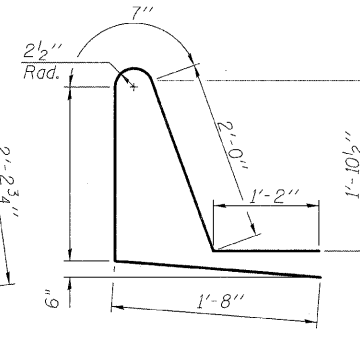
SECTION THRU PARAPET



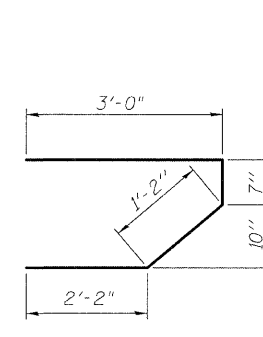
BAR c(E)



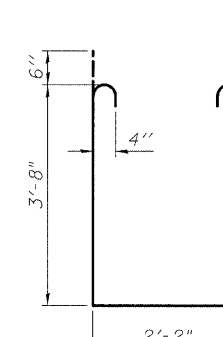
BAR d(E)



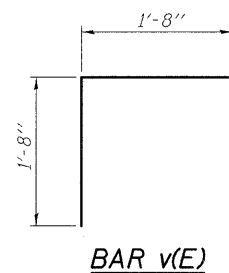
BAR d1(E)



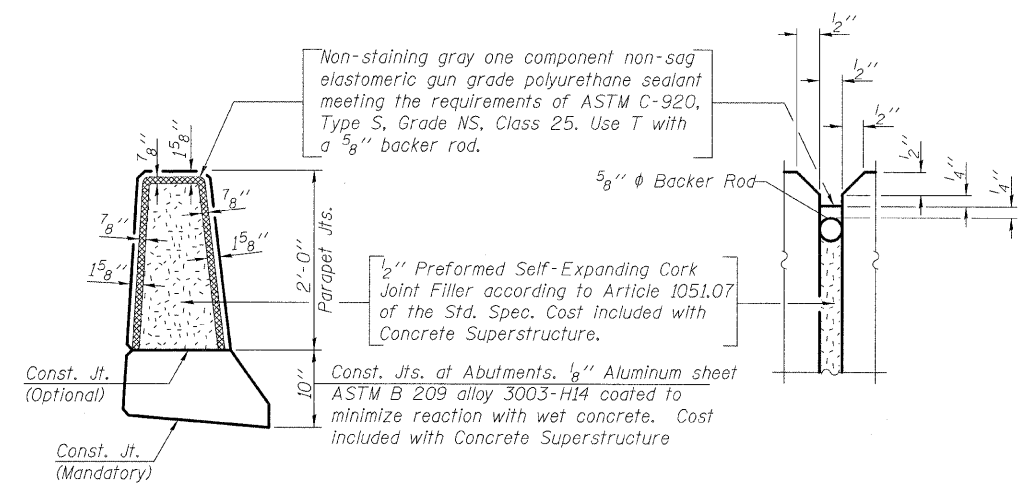
BAR s(E)



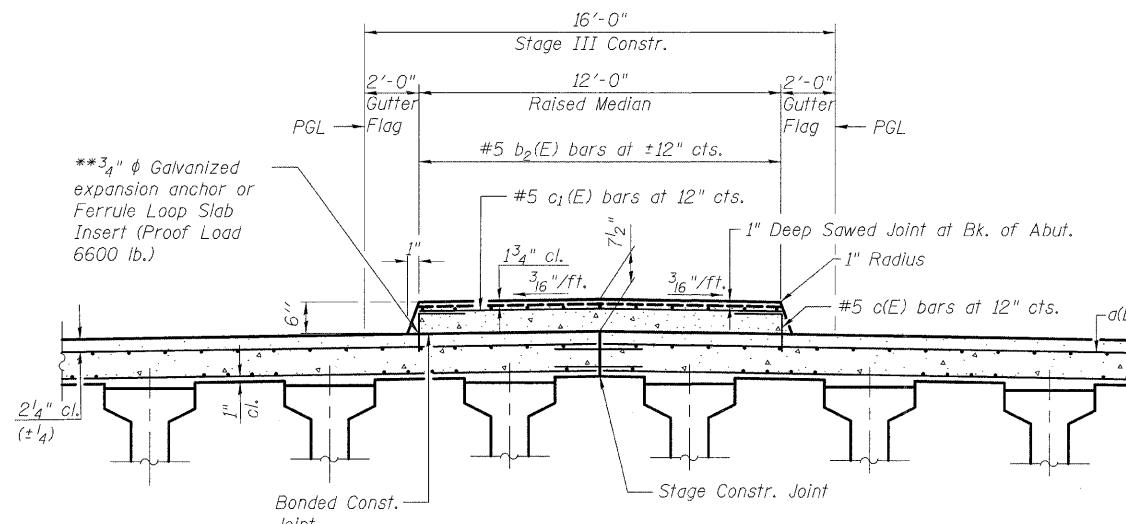
BAR s1(E)



BAR v(E)



PARAPET JOINT DETAILS



SUPERIMPOSED MEDIAN

**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	316	#5	43'-3"	—
a1(E)	212	#5	43'-3"	—
a2(E)	316	#6	6'-6"	—
b(E)	276	#5	27'-8"	—
b1(E)	144	#5	39'-3"	—
b2(E)	26	#5	39'-3"	—
c(E)	158	#5	1'-4"	┌
c1(E)	79	#5	11'-8"	—
d(E)	172	#5	5'-7"	└
d1(E)	172	#5	7'-10"	└
e(E)	48	#4	27'-1"	—
e1(E)	6	#8	28'-6"	—
m(E)	8	#4	43'-3"	—
m1(E)	12	#6	43'-3"	—
m2(E)	48	#6	10'-3"	—
m3(E)	22	#6	5'-8"	—
m4(E)	4	#6	1'-3"	—
s(E)	166	#5	6'-7"	┌
s1(E)	144	#4	10'-6"	└
v(E)	4	#5	3'-4"	┌
Reinforcement Bars, Epoxy Coated		Lbs.	51,370	
Concrete Superstructure		Cu. Yds.	284.7	

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 3-#5 etc. indicates 1 line of bars with 3 lengths per line.
See Sheets 9 and 12 of 21 for bar Placement.
For details of Bar Splicers see sheet 19 of 21.

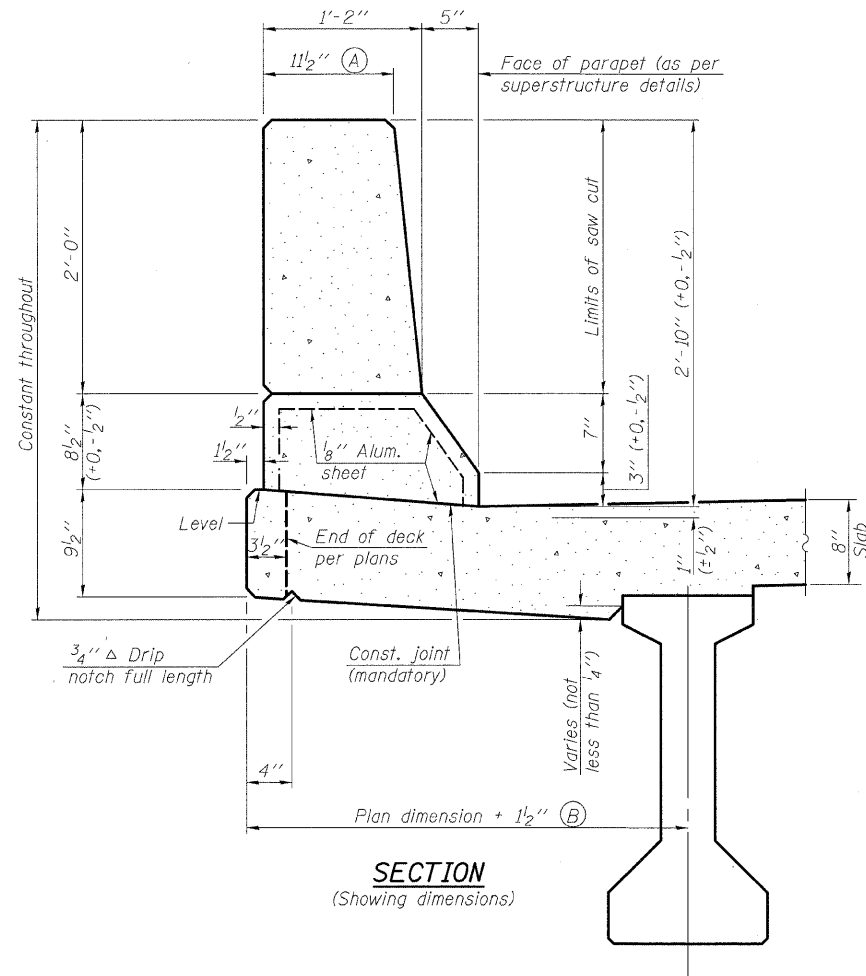
**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 101-0184**

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

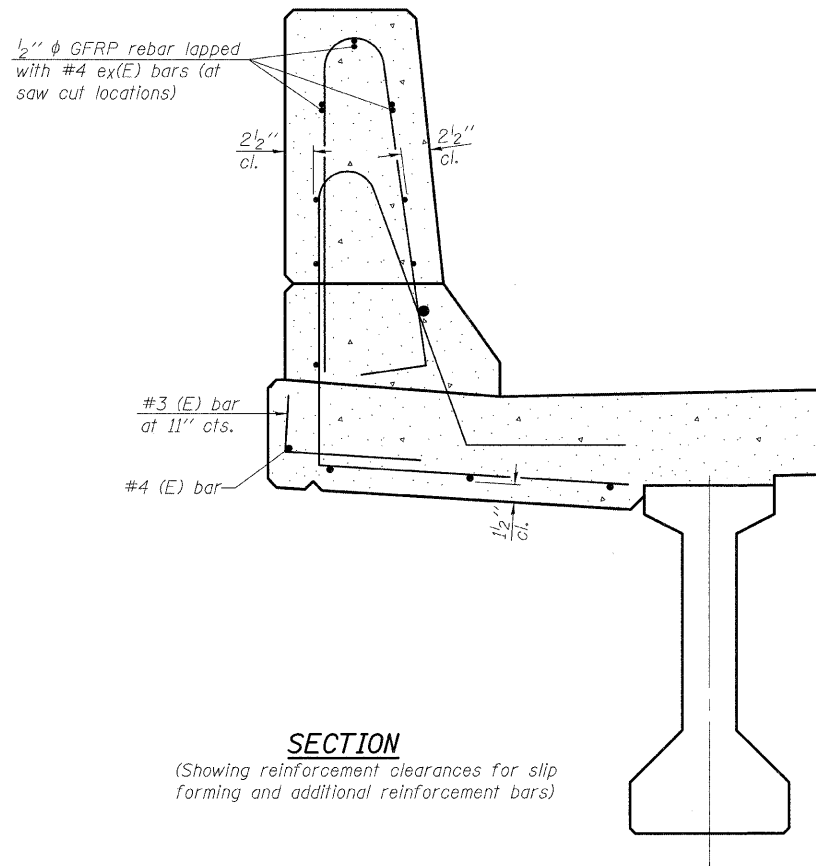
SHEET NO. 11 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	46
CONTRACT NO. 64E60					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

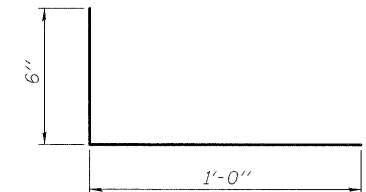


SECTION
(Showing dimensions)

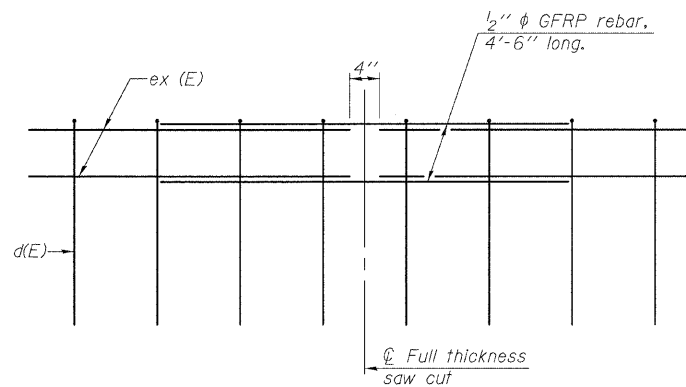


SECTION
(Showing reinforcement clearances for slip forming and additional reinforcement bars)

GENERAL NOTES
All dimensions shall remain the same as shown on contract plans, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B= 0.0165 cu. yds./ft. of parapet.
Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler.



#3 (E) BAR



GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

**CONCRETE PARAPET
SLIPFORMING OPTION
STRUCTURE NO. 101-0184**

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG
CHECKED	PRD

SFP-34

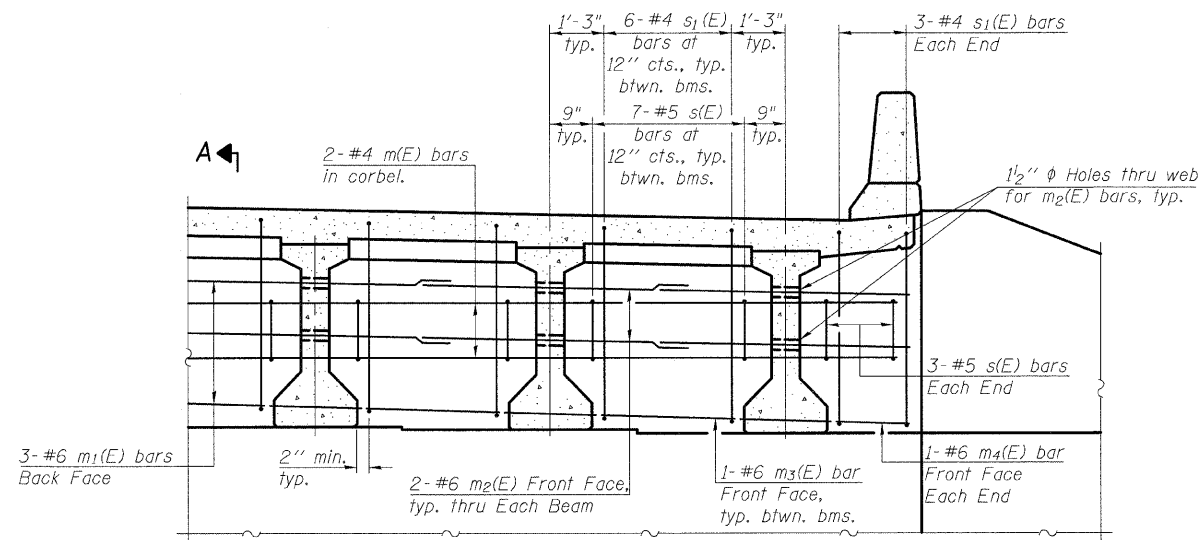
10-1-08



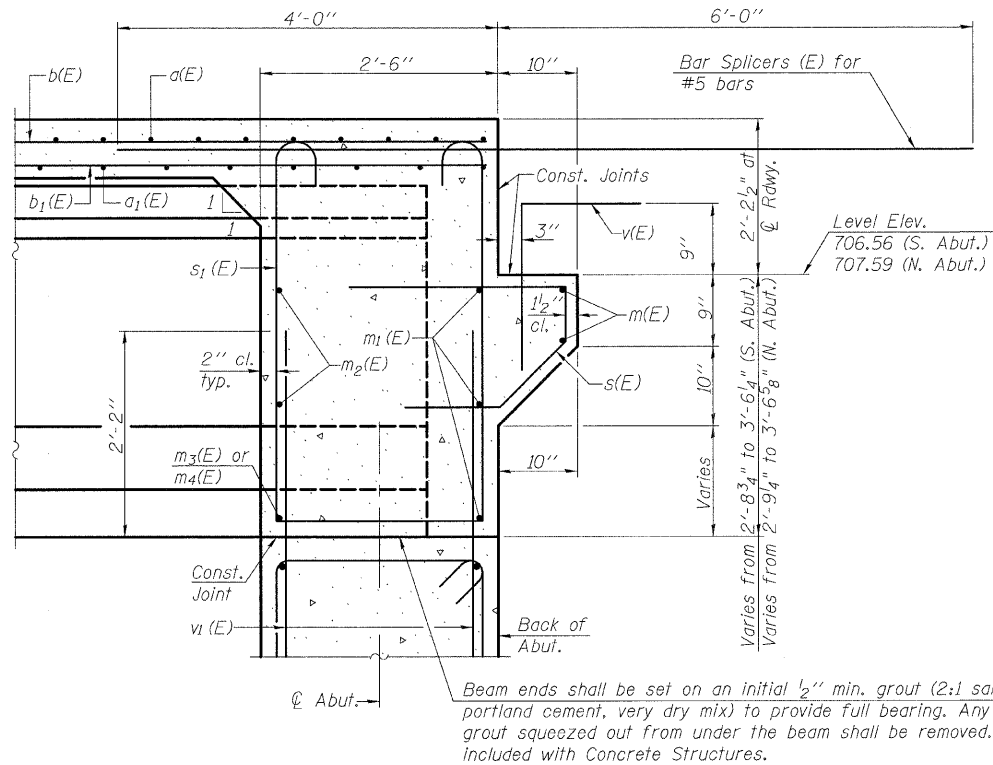
85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

SHEET NO. 12 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	47
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DIAPHRAGM ELEVATION AT ABUTMENT



MIN. BAR LAP
#6 bar = 2'-9"

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 10 of 21.
Concrete in diaphragm is included with Concrete Superstructure on sheet 10 of 21.
For details of bars s(E) & s1(E) see sheet 10 of 21.
For details of Bar Splicers, see sheet 19 of 21.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

**INTEGRAL ABUTMENT
DIAPHRAGM DETAILS
STRUCTURE NO. 101-0184**

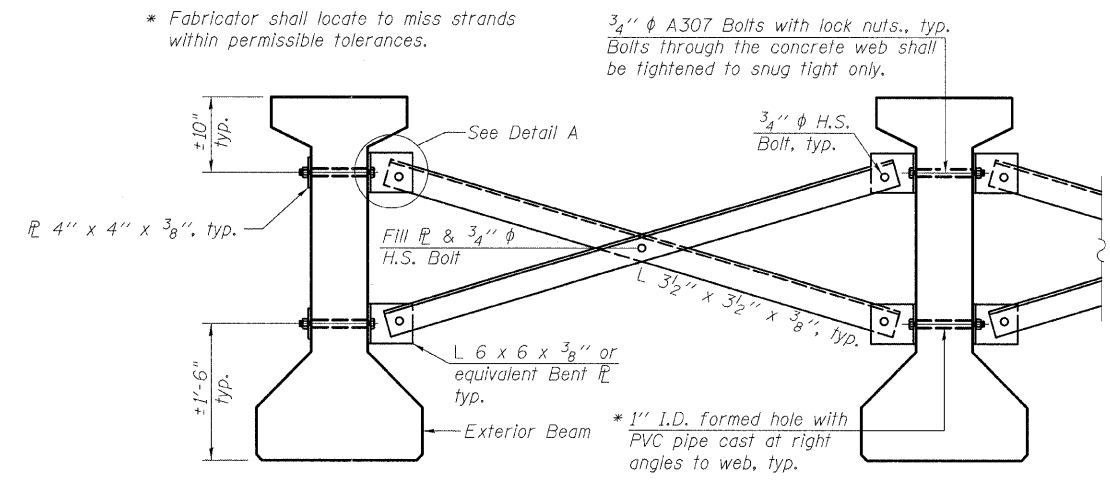
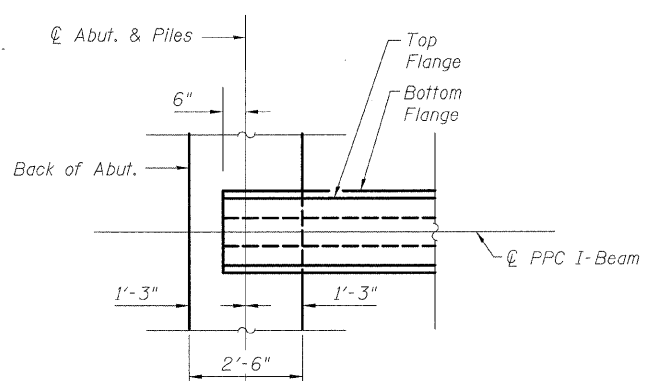
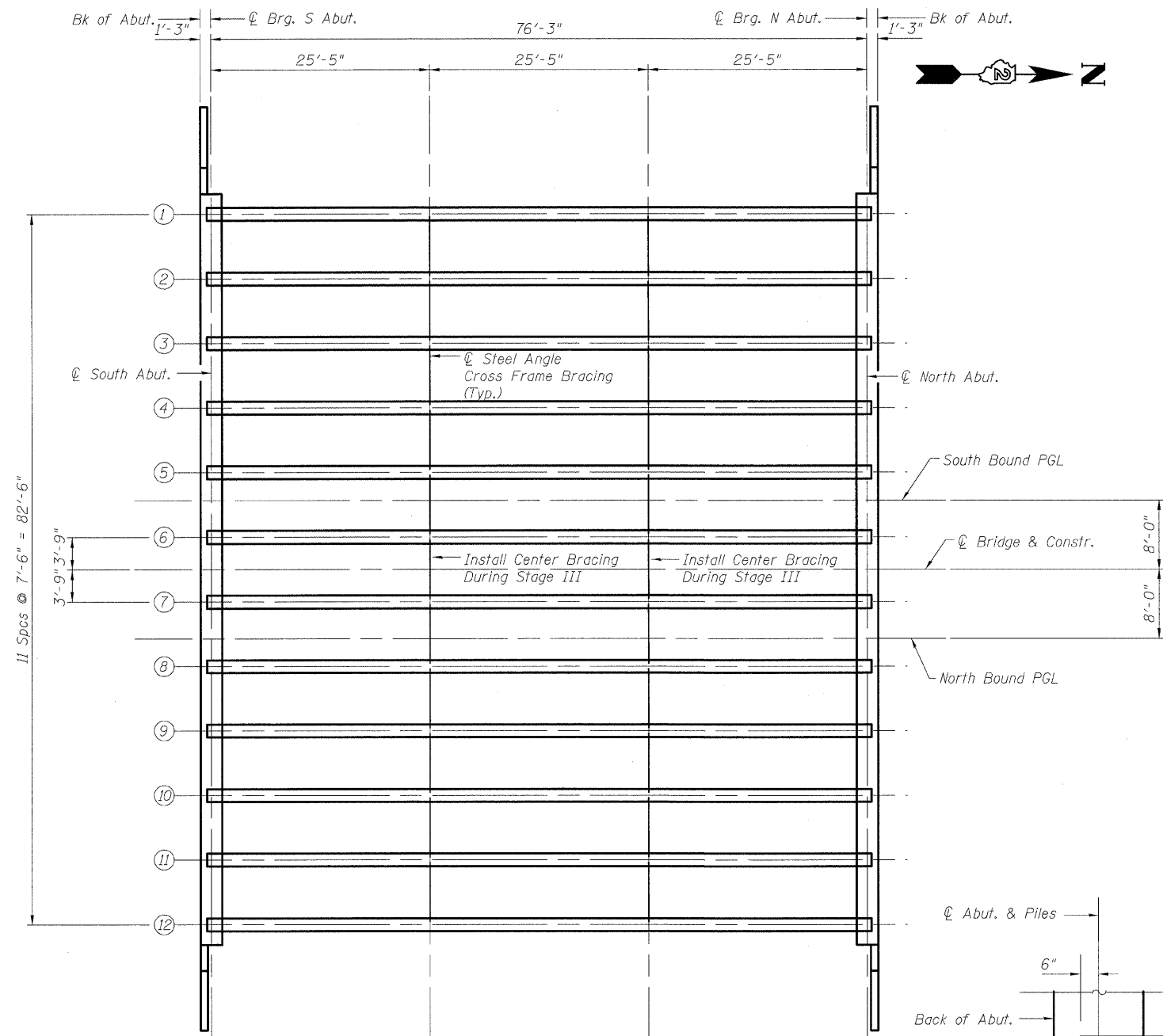
DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

SECTION A-A

DLZ 85 W. Algonquin Rd, Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

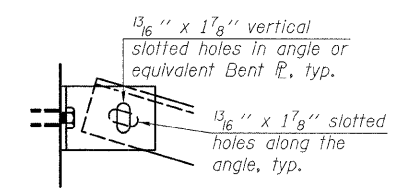
SHEET NO. 13 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	48
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Notes:

- All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.
- Two hardened washers are required for each set of oversized holes.
- All holes shall be 15/16" φ unless otherwise noted.
- 5/16" x 3" x 3" plate washers are required over all slotted holes.
- All bolts shall be galvanized according to AASHTO M232.
- Bracing shall be installed as beams are erected and tightened as soon as possible during erection.



PERMANENT BRACING DETAILS FOR 48" PPC I-BEAMS

Cost of permanent bracing included with Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48"

INTERIOR BEAM MOMENT TABLE		
I	(in ⁴)	144,117
I'	(in ⁴)	430,525
S _b	(in ³)	6834.1
S _b '	(in ³)	11,738.3
S _t	(in ³)	5,355.1
S _t '	(in ³)	38,022.3
DC1	(k/')	1.362
M _{DC1}	(k)	990
DC2	(k/')	.150
M _{DC2}	(k)	109
DW	(k/')	.30
M _{DW}	(k)	218
M _{L + IM}	(k)	1295.3

INTERIOR BEAM REACTION TABLE		
		Abut.
R _{DC1}	(k)	51.9
R _{DC2}	(k)	5.72
R _{DW}	(k)	11.44
R _{L + IM}	(k)	84.1
R _{Total}	(k)	153.5

I: Non-composite moment of inertia of beam section (in.⁴).
 I': Composite moment of inertia of beam section (in.⁴).
 S_b: Non-composite section modulus for the bottom fiber of the prestressed beam (in.³).
 S_b': Composite section modulus for the bottom fiber of the prestressed beam (in.³).
 S_t: Non-composite section modulus for the top fiber of the prestressed beam (in.³).
 S_t': Composite section modulus for the top fiber of the prestressed beam (in.³).
 DC1: Un-factored non-composite dead load (kips/ft.).
 M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
 DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
 M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
 DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
 M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
 M_{L + IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

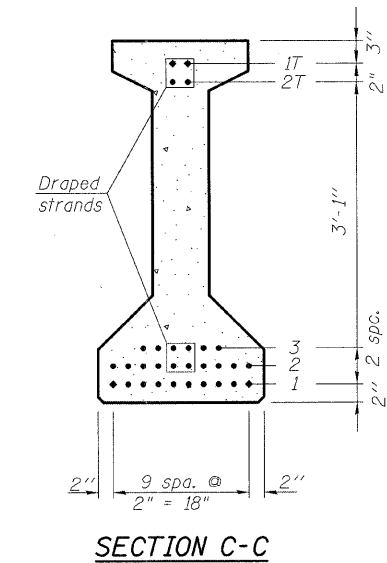
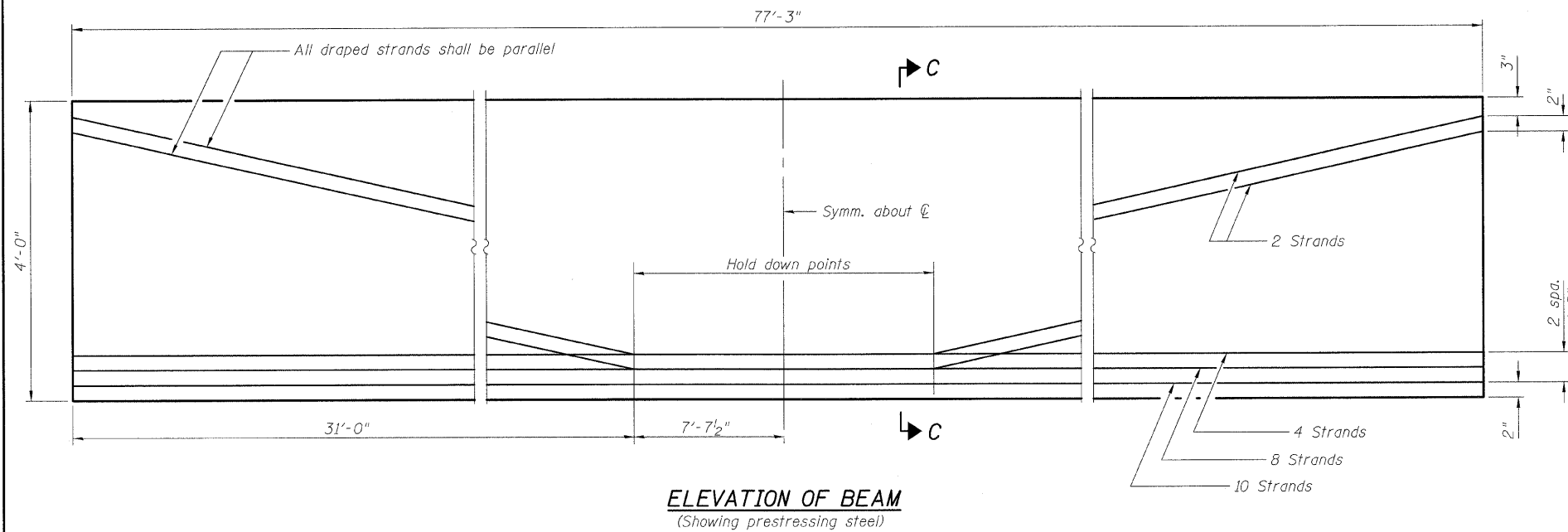
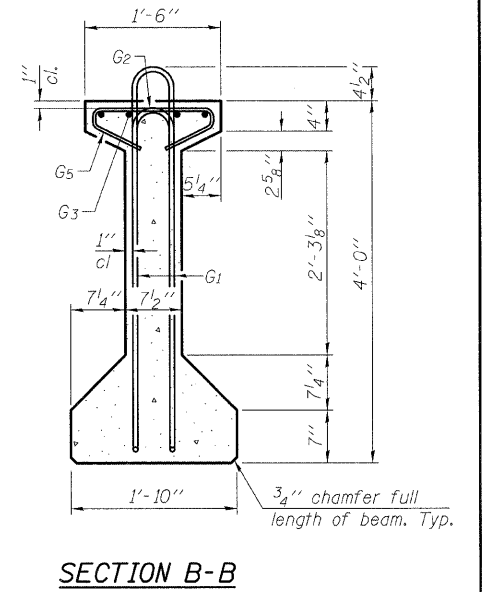
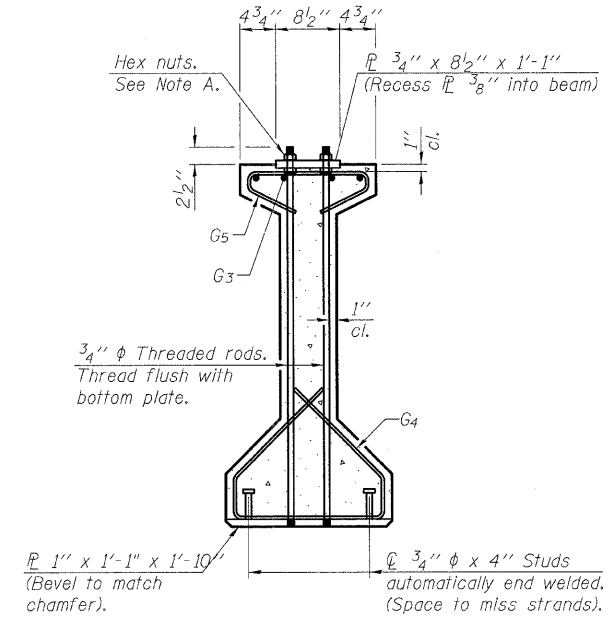
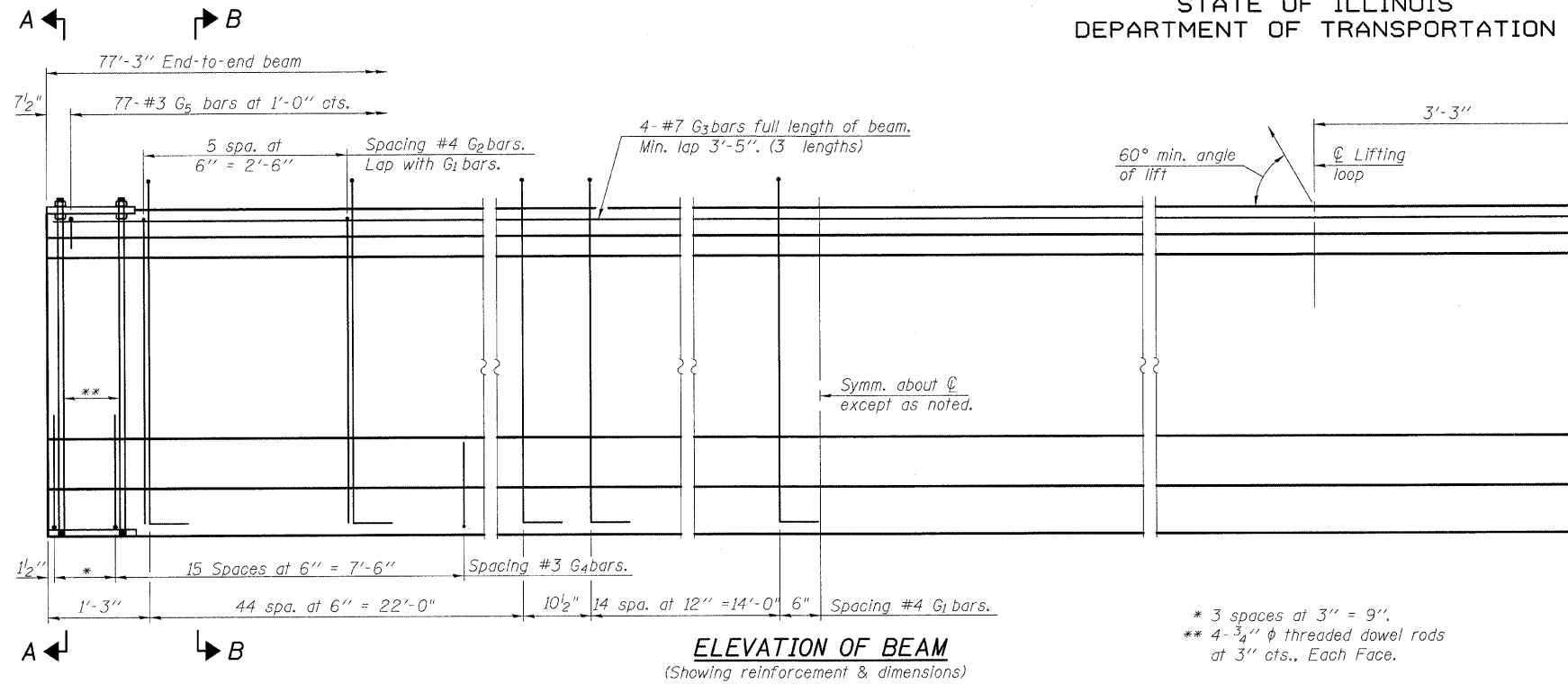
DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

FRAMING PLAN AND SUPERSTRUCTURE DETAILS
STRUCTURE NO. 101-0184

DLZ DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

SHEET NO. 14 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	49
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



***BAR LIST
ONE BEAM ONLY

Bar	No.	Size	Length	Shape
G ₁	120	#4	9'-6"	∩L
G ₂	12	#4	7'-11"	∩
G ₃	12	#7	27'-11"	—
G ₄	38	#3	5'-3"	∩
G ₅	77	#3	2'-9"	∩

***For information only

Notes:
See sheet 15 of 21 for additional details and Bill of Material.
Required release strength, f'_{ci} , shall be 5,000 psi.

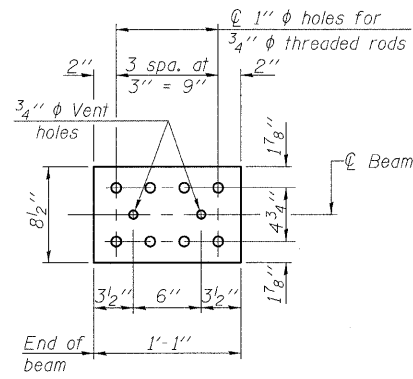
48" PPC I-BEAM
STRUCTURE NO. 101-0184

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

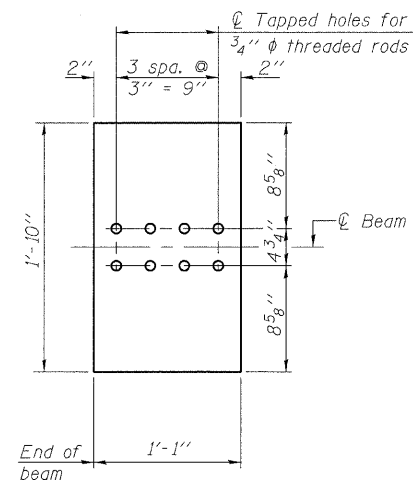
DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

SHEET NO. 15 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	50
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

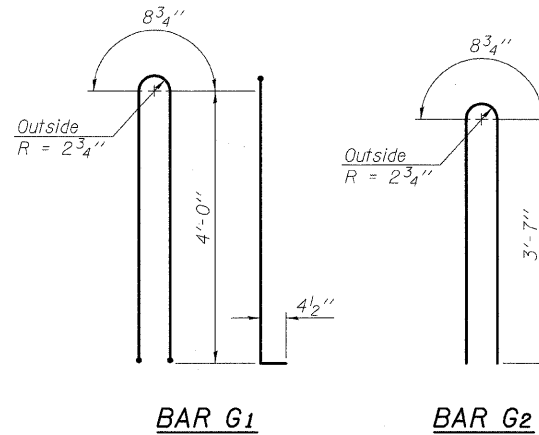
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TOP PLATE

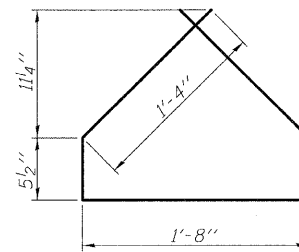


BOTTOM PLATE
(Showing threaded rods)

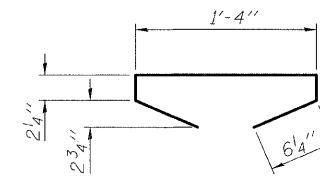


BAR G1

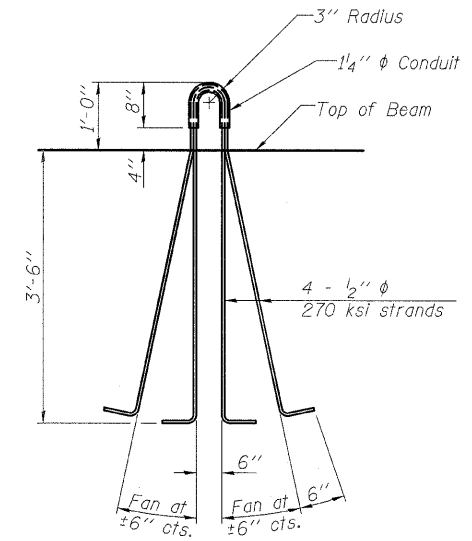
BAR G2



BAR G4



BAR G5



LIFTING LOOP DETAIL

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48"	Ft.	927.0

Notes:

- Inserts for 3/4" ϕ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.
- Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
- Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).
- A minimum 2 1/2" ϕ lifting pin shall be used to engage the lifting loops during handling.
- The top and bottom plates shall be AASHTO M270 Grade 50.
- The bottom plates and studs shall be galvanized according to AASHTO M11.
- Threaded rods shall be ASTM F 1554 Grade 55.

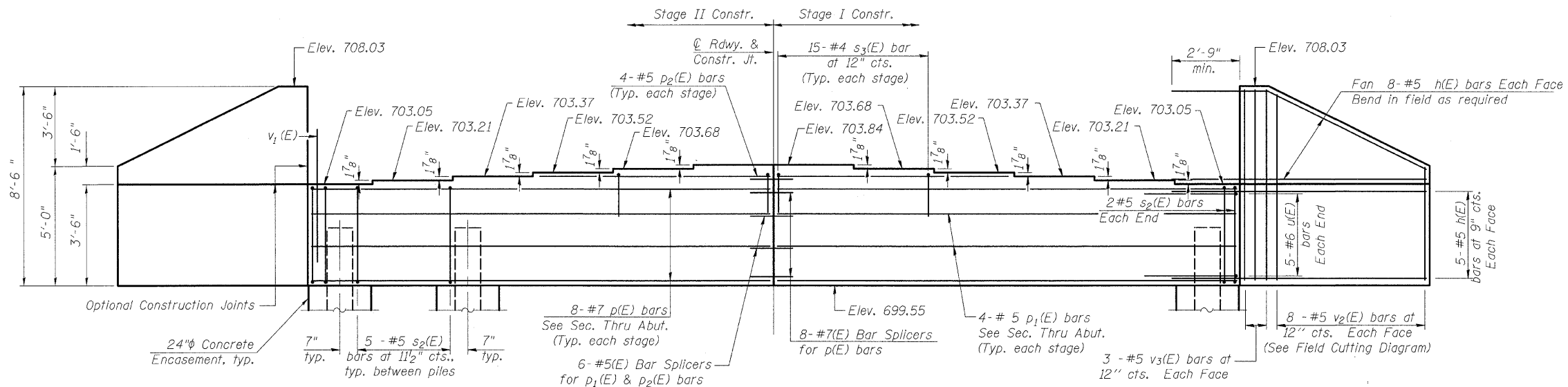
**48" PPC I-BEAM DETAILS
STRUCTURE NO. 101-0184**

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP

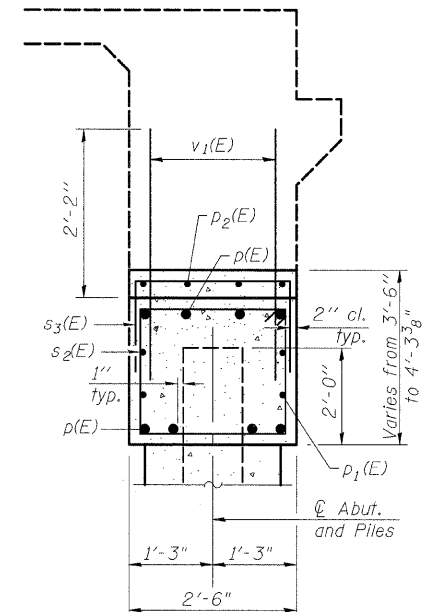
DLZ DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

SHEET NO. 16 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	51
	CONTRACT NO. 64E68				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

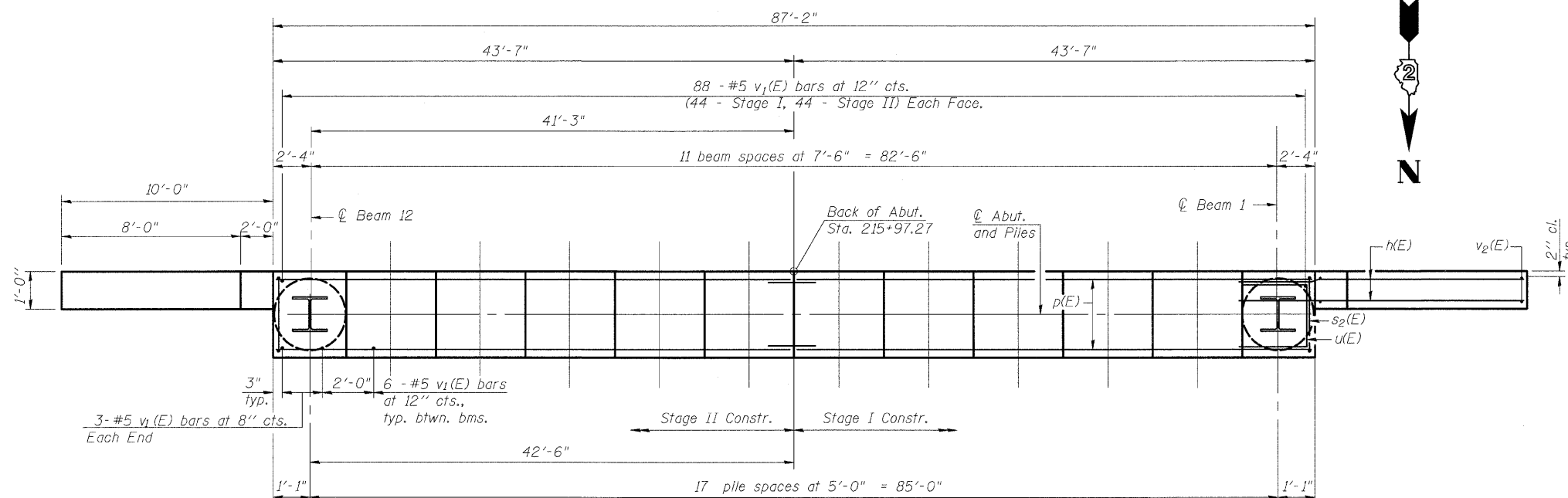
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
(Looking South)



SEC. THRU ABUT.

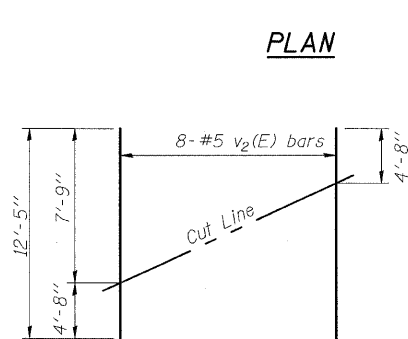


PLAN

PILE DATA

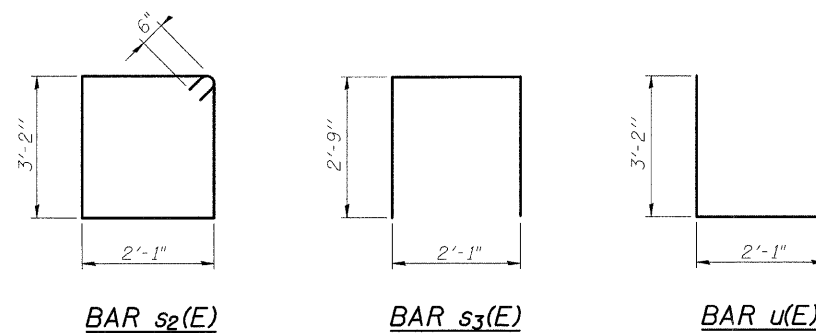
Type: HP 12x63
Nominal Required Bearing: 480 Kips
Factored Resistance Available: 240 Kips
Est. Length: 57'-0"
No. Production Piles: 17
No. Test Piles: 1

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP



FIELD CUTTING DIAGRAM

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



BAR s2(E)

BAR s3(E)

BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	26	#5	12'-7"	—
p(E)	16	#7	43'-5"	—
p1(E)	8	#5	43'-5"	—
p2(E)	8	#5	22'-6"	—
s2(E)	89	#5	11'-6"	U
s3(E)	30	#4	7'-7"	U
u(E)	10	#6	8'-5"	U
v1(E)	144	#5	4'-4"	—
v2(E)	16	#5	12'-5"	—
v3(E)	12	#5	8'-2"	—
Structure Excavation		Cu. Yd.	83	
Concrete Structures		Cu. Yd.	36.8	
Reinforcement Bars, Epoxy Coated		Pound	4570	
Furnishing Steel Piles, HP12x63		Foot	969	
Driving Piles		Foot	969	
Test Pile, HP12x63		Each	1	
Concrete Encasement		Cu. Yd.	6.3	

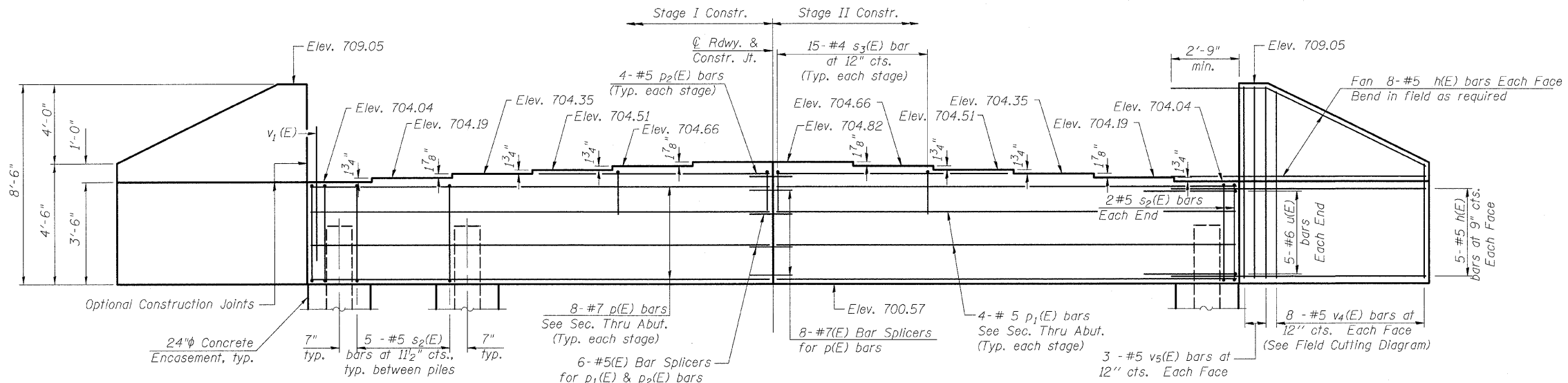
Notes:
Pour steps monolithically with cap.
For details of Bar Splicers, see sheet 19 of 21.
For details of piles and Concrete Encasement, see sheet 18 of 21.
Reinforcement bars designated (E) shall be epoxy coated.

**SOUTH ABUTMENT
STRUCTURE NO.101-0184**

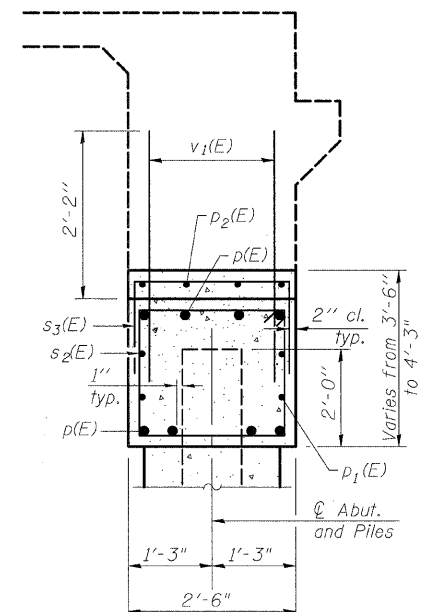
SHEET NO. 17 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	52
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

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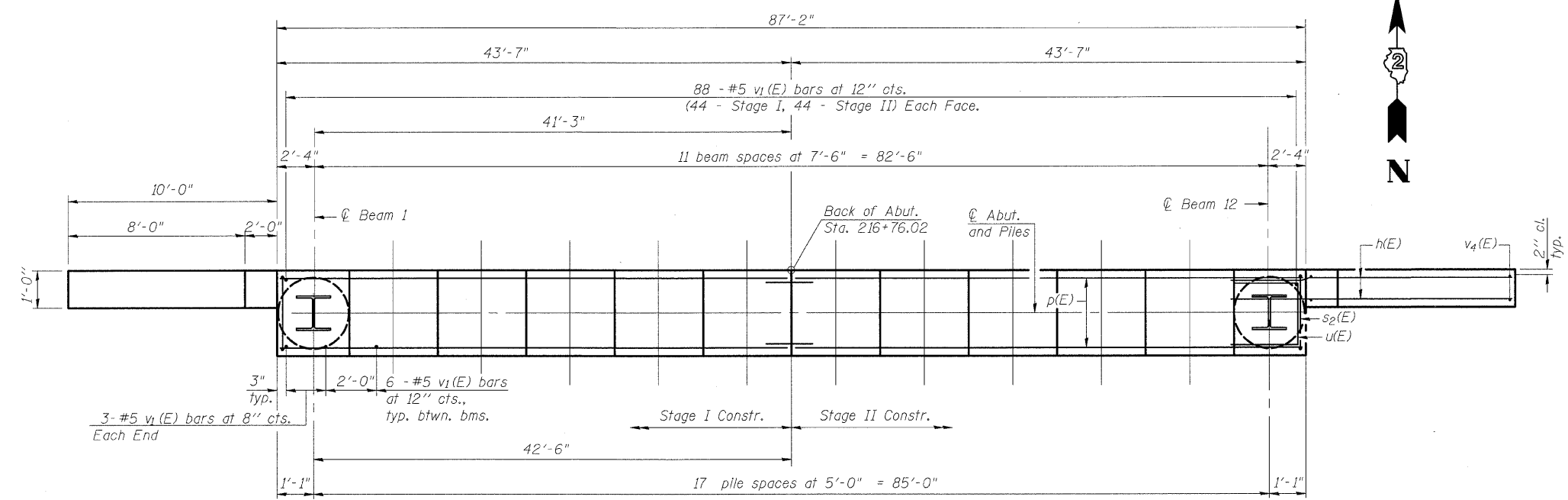
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
(Looking North)



SEC. THRU ABUT.

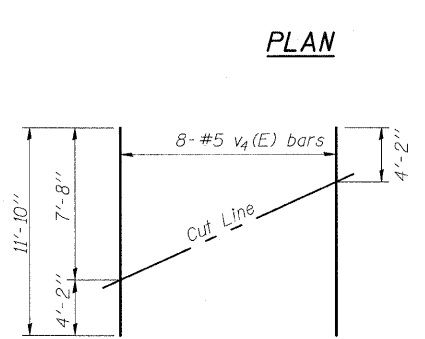


PLAN

PILE DATA

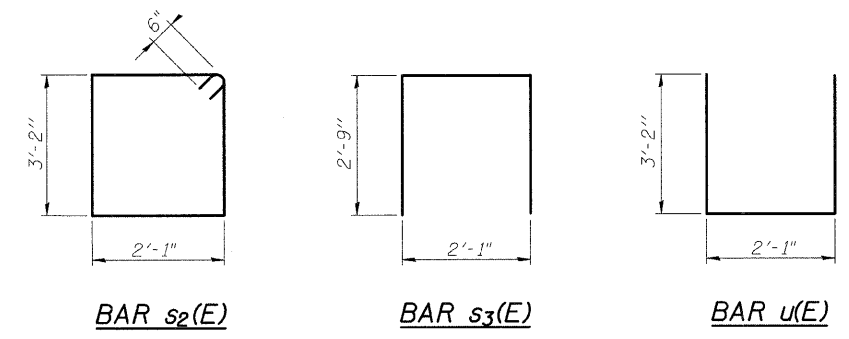
Type: HP 12x63
Nominal Required Bearing: 480 Kips
Factored Resistance Available: 240 Kips
Est. Length: 72'-0"
No. Production Piles: 17
No. Test Piles: 1

DESIGNED	PRD
CHECKED	WAT
DRAWN	RTG/PRD
CHECKED	ASP



FIELD CUTTING DIAGRAM

Order v4(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s2(E) BAR s3(E) BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	26	#5	12'-7"	—
p(E)	16	#7	43'-5"	—
p1(E)	8	#5	43'-5"	—
p2(E)	8	#5	22'-6"	—
s2(E)	89	#5	11'-6"	□
s3(E)	30	#4	7'-7"	□
u(E)	10	#6	8'-5"	—
v1(E)	176	#5	4'-4"	—
v4(E)	16	#5	11'-10"	—
v5(E)	12	#5	8'-2"	—
Structure Excavation	Cu. Yd.		41	
Concrete Structures	Cu. Yd.		36.4	
Reinforcement Bars, Epoxy Coated	Pound		4560	
Furnishing Steel Piles, HP12x63	Foot		1224	
Driving Piles	Foot		1224	
Test Pile, HP12x63	Each		1	
Concrete Encasement	Cu. Yd.		6.3	

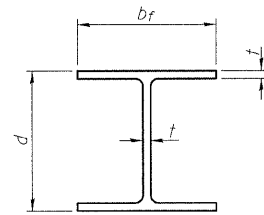
Notes:
Pour steps monolithically with cap.
For details of Bar Splicers, see sheet 19 of 21.
For details of piles and Concrete Encasement, see sheet 18 of 21.
Reinforcement bars designated (E) shall be epoxy coated.

**NORTH ABUTMENT
STRUCTURE NO.101-0184**

SHEET NO. 18 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	53
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

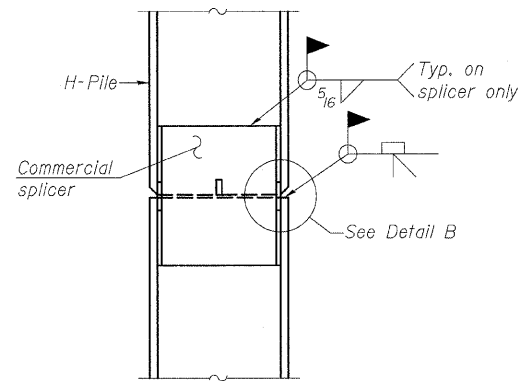
DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

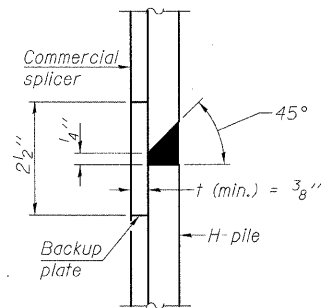


STEEL PILE TABLE

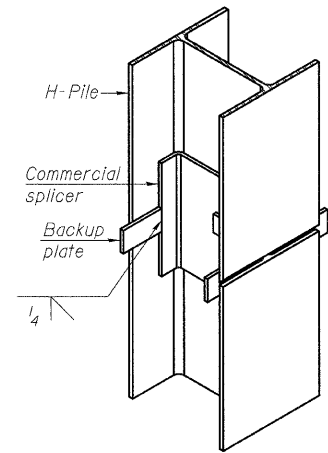
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

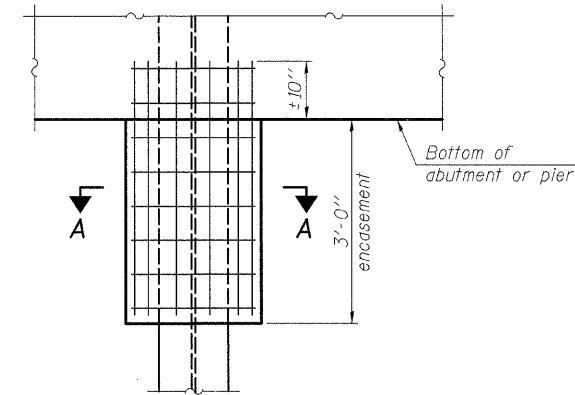


DETAIL "B"



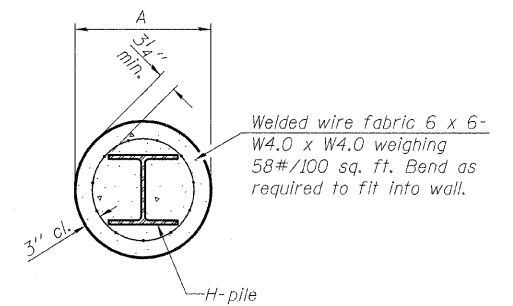
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



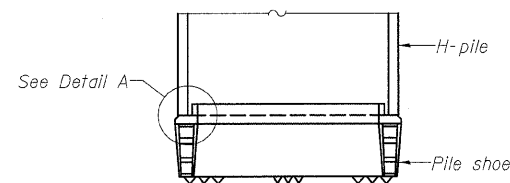
ELEVATION

PILE ENCASEMENT

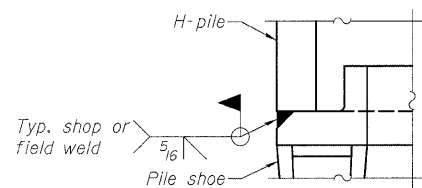


SECTION A-A

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

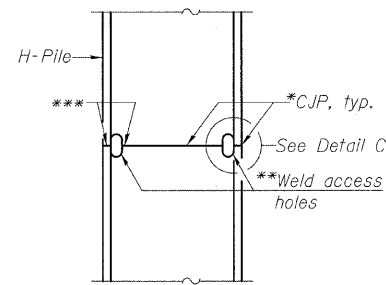


ELEVATION



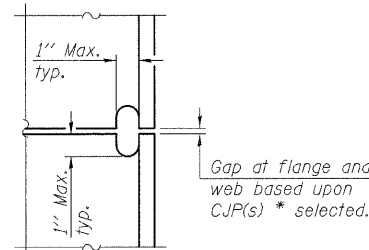
DETAIL A

H-PILE SHOE ATTACHMENT

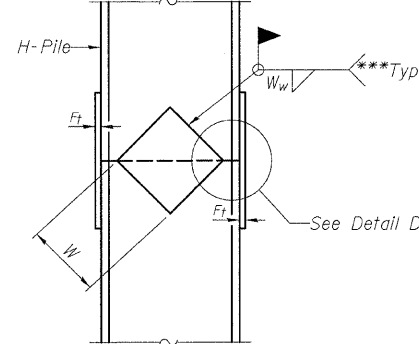


ELEVATION

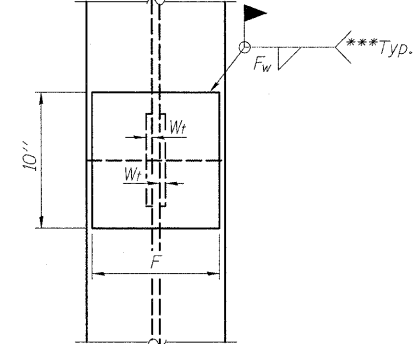
COMPLETE PENETRATION WELD SPLICE



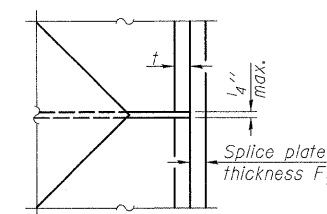
DETAIL C



ELEVATION



END VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 1/2"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 1/2"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5 1/2"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 1/2"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5 1/2"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5 1/2"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

HP PILE DETAILS
STRUCTURE NO.101-0184

DESIGNED PRD
CHECKED WAT
DRAWN RTG
CHECKED PRD

F-HP

10-1-08

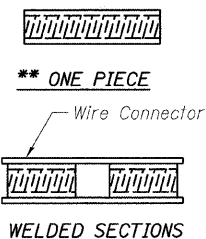
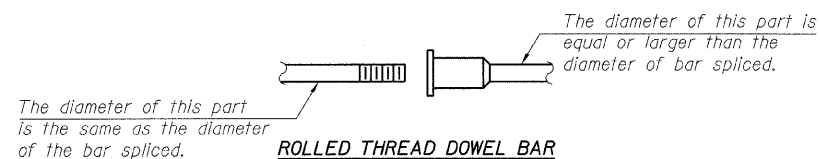
- * Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.
- ** Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.
- *** Interrupt welds 1/4" from end of each pile.

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

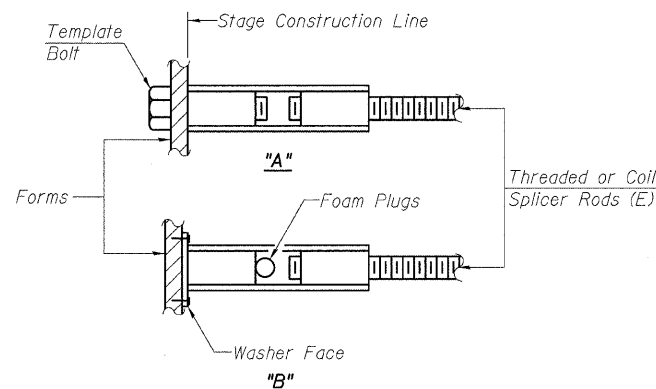
SHEET NO. 19 OF 22 SHEETS	F.A.P. RTE. 742	SECTION 34BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 54
	CONTRACT NO. 64E68				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

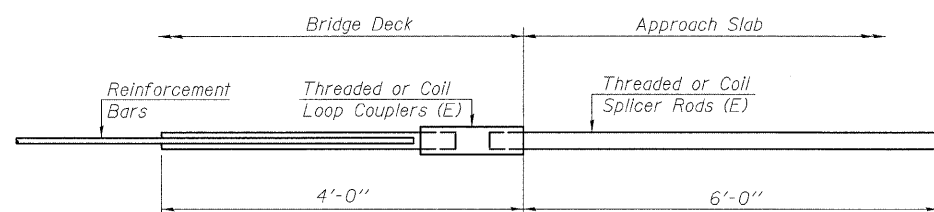
"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

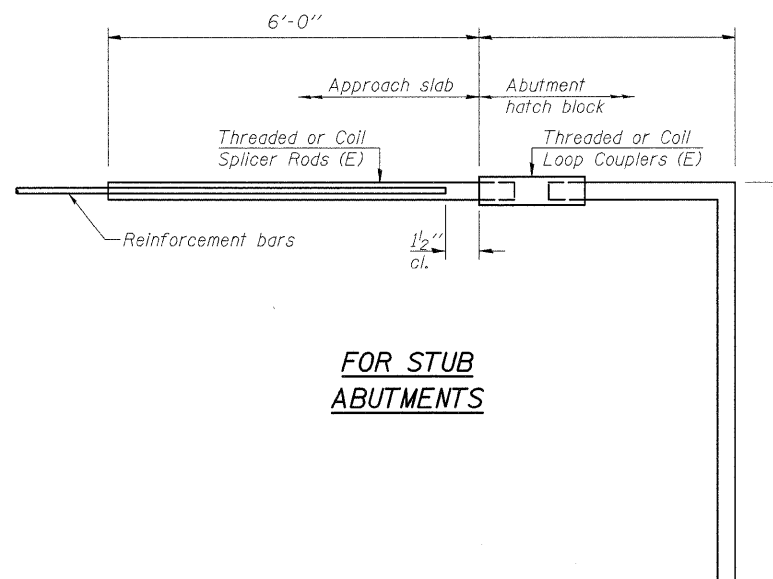
- ① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$
 - ② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_t$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



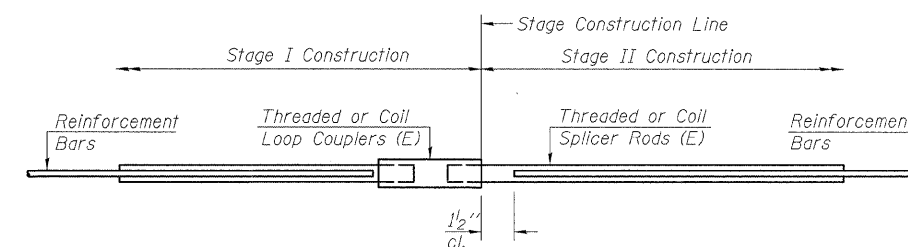
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required = 172



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required = 0



STANDARD

Bar Size	No. Assemblies Required	Location
#4 (E)	4	Abut. Diaph. Corbel
#5 (E)	498	Bridge and Approach Constr. Jt.
#6 (E)	12	Abut Dia. Constr. Jt.
#7 (E)	16	N. & S. Abut Constr. Jt.

DESIGNED PRD
CHECKED WAT
DRAWN RTG
CHECKED PRD

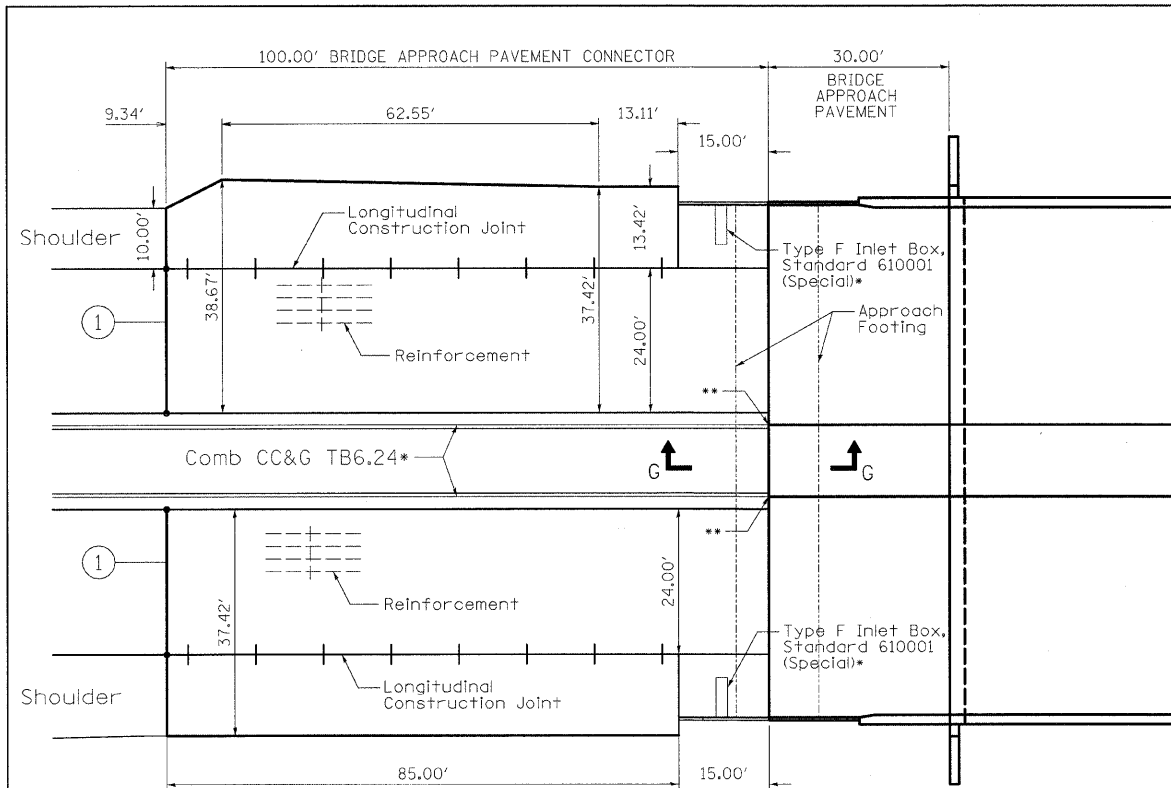
BSD-1

10-1-08

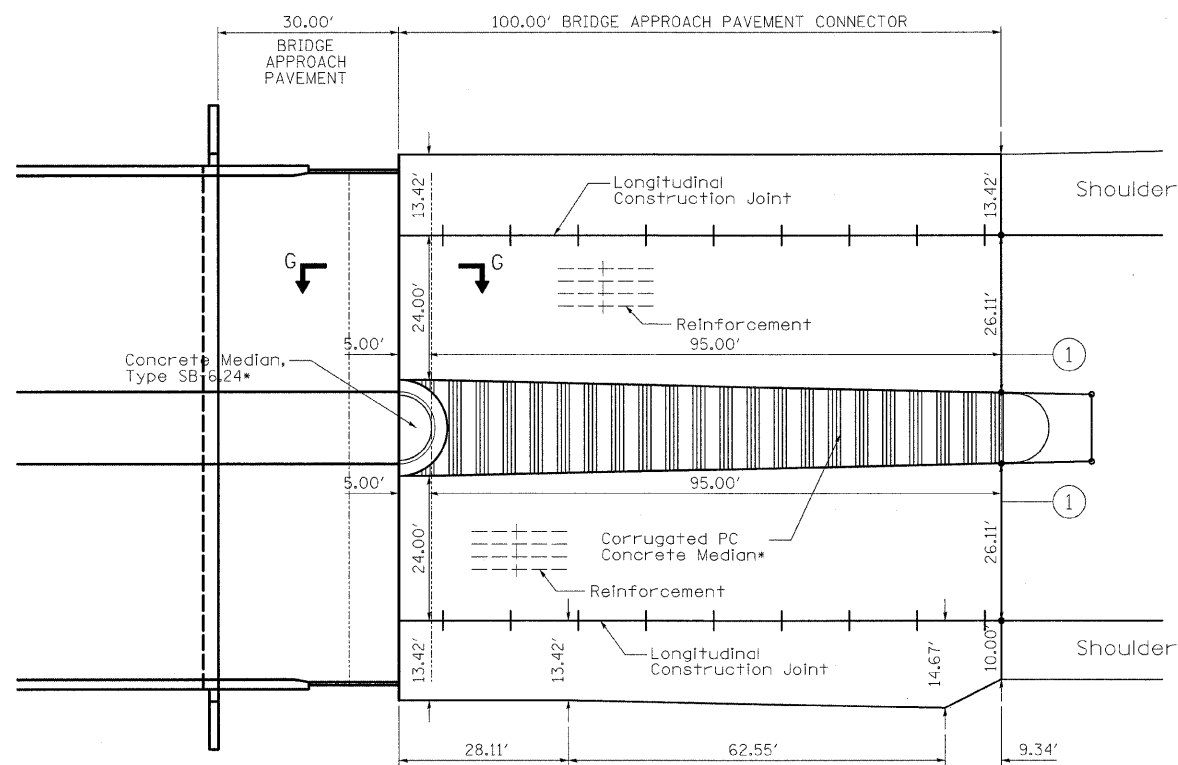
**BAR SPLICER ASSEMBLY DETAILS
STRUCTURE NO. 101-0184**

SHEET NO. 20 OF 22 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	34BR-1	WINNEBAGO	78	55
CONTRACT NO. 64E68					
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					

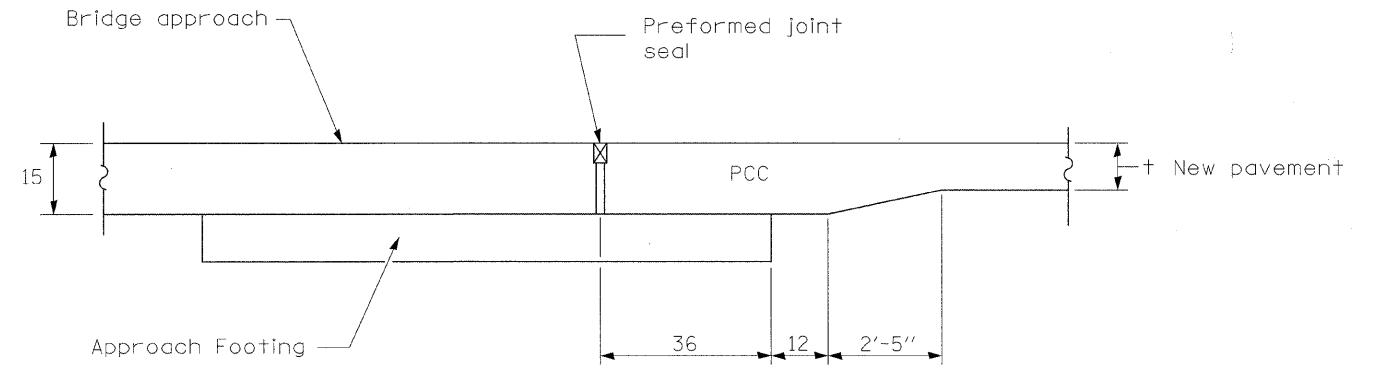
DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005



PLAN - SOUTH END OF BRIDGE



PLAN - NORTH END OF BRIDGE



SECTION G-G

① 2 Trans. Exp. Joint as detailed on Standard 420001.

- Not Included in Cost of Bridge Approach Pavement Connector, but shall be paid for separately.
- Transition Gutter Flag and Curb Height in 12' to match median on bridge.

GENERAL NOTES

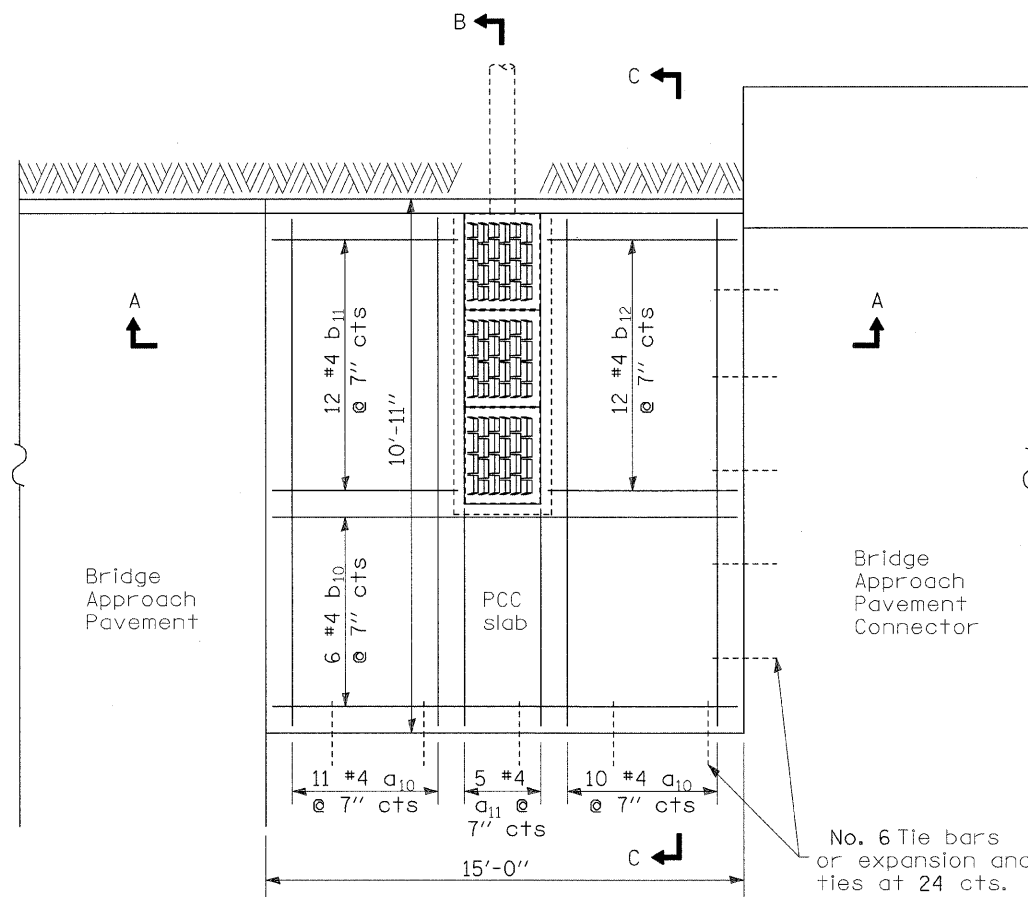
THICKNESS-''t''=Thickness of Pavement.

See Standard 421001 for reinforcement details not shown.

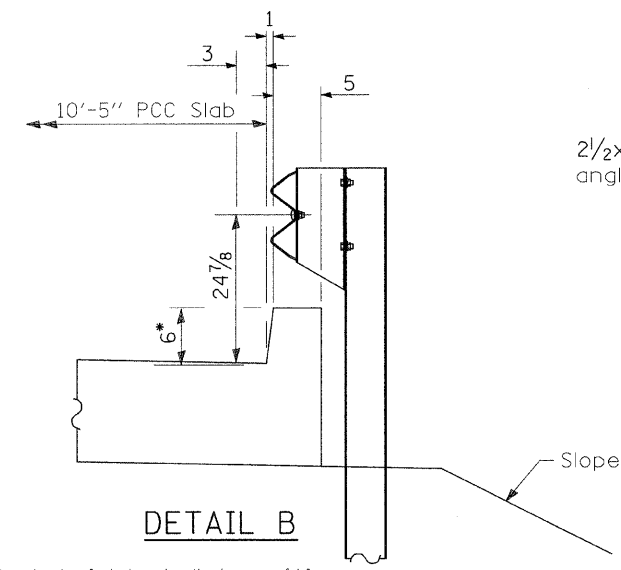
See Standard 420001 for joint details not shown.

See plans for details of bridge approach, approach footing and preformed joint seal.

All dimensions are in inches unless otherwise shown.

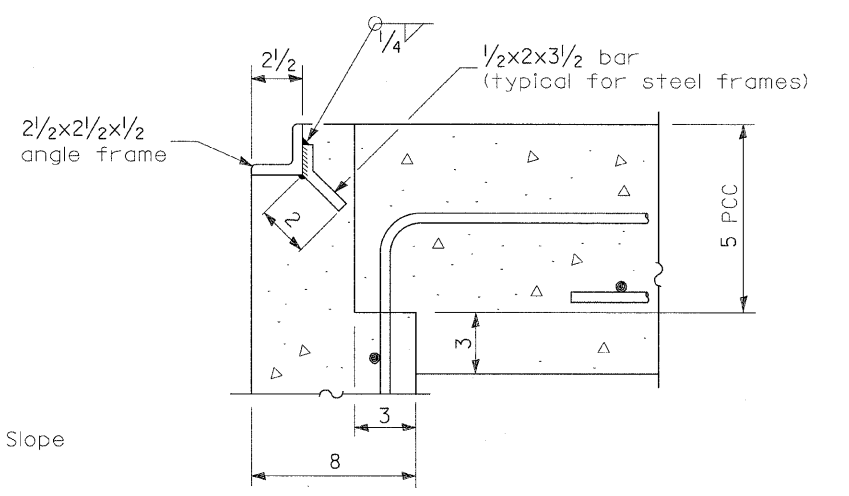


PLAN

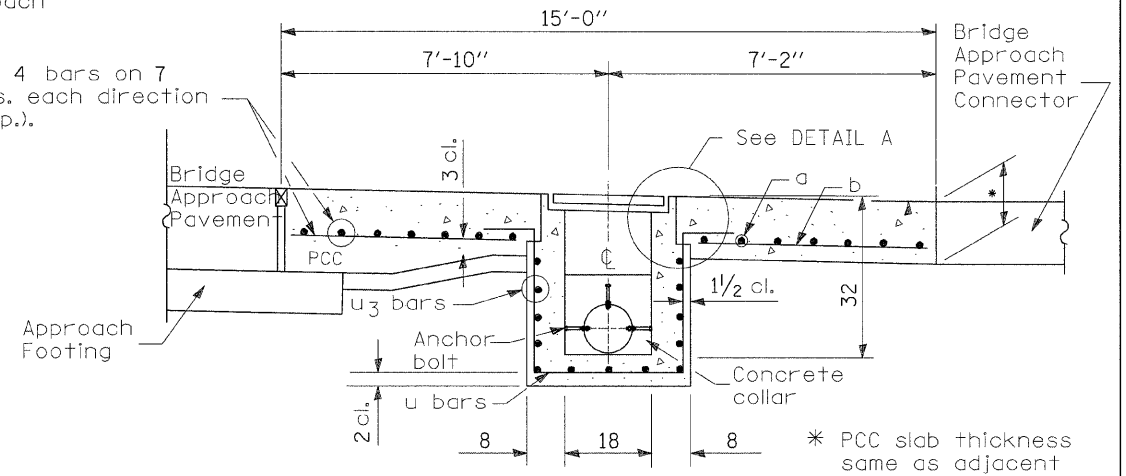


DETAIL B

* Curb height shall transition from 6" to 2" in 4' at end, adjacent to Bridge Approach pavement connector.

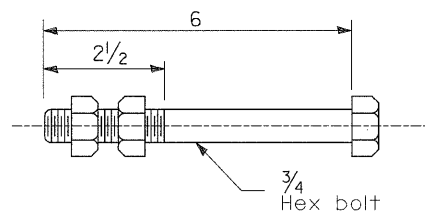


DETAIL A



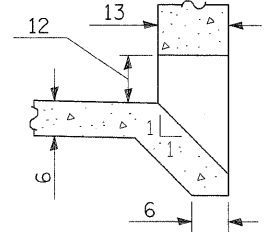
SEC. A-A

* PCC slab thickness same as adjacent bridge approach pavement connector

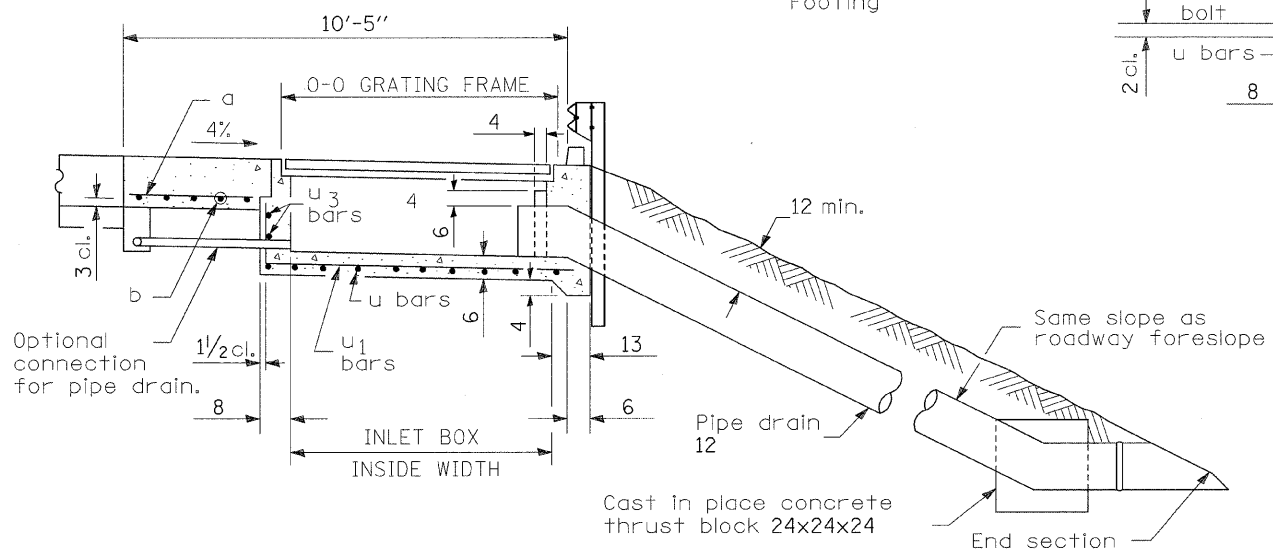


ANCHOR BOLT

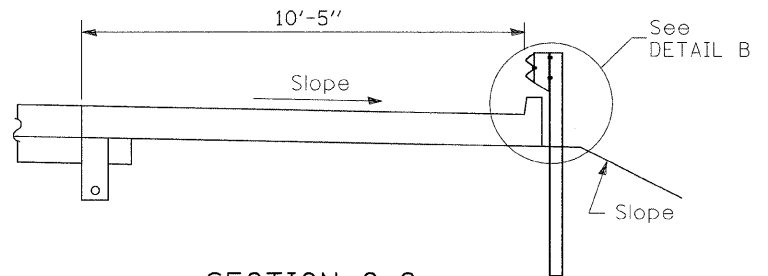
(Used to tie pipe to concrete collar)



BOX OUTLET WHEN PRECAST



SEC. B-B



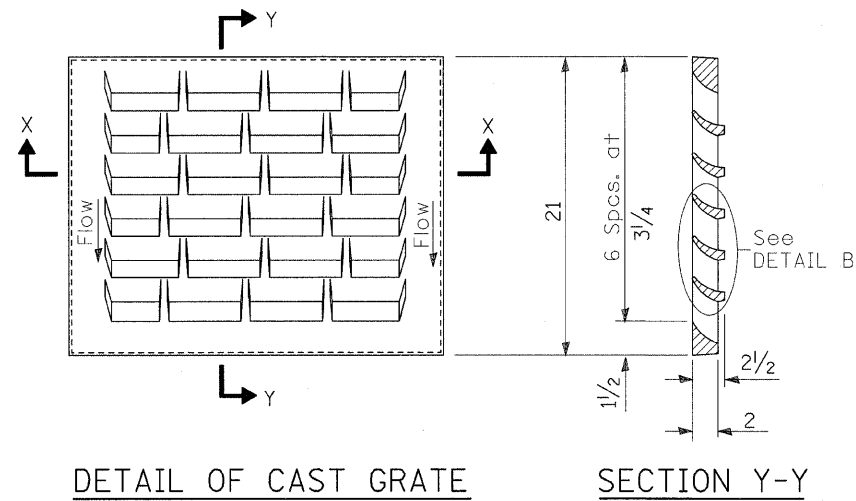
SECTION C-C

INLET TYPE	SHOULDER WIDTH	0-0 GRATING FRAME	INLET BOX INSIDE WIDTH	INLET BOX INSIDE LENGTH
Type F	10'-5"	6'-5"	6'-0"	18

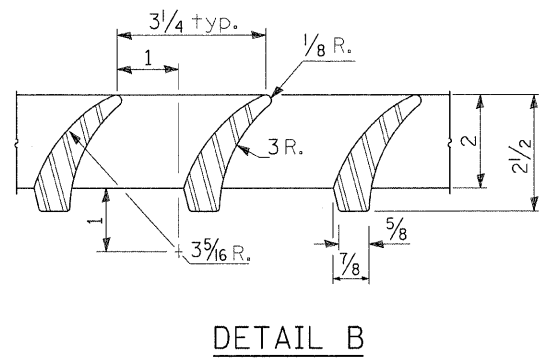
GENERAL NOTES

- See Standard 420001 for joint details not shown.
- All exposed edges of the inlet, except the upper perimeter, shall be beveled 3/4.
- For placement of drainage elements on existing construction with existing rigid pavement, substitute expansion anchor ties for tie bars. For nonrigid pavements or monolithic construction of pcc slab and shoulder, omit tie bars.
- See bridge plans for details of bridge approach, approach footing and preformed joint seal.
- All dimensions are in inches unless otherwise shown.

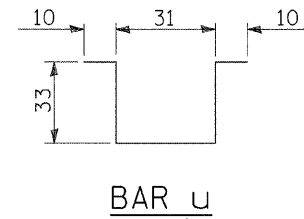
SHOULDER INLET WITH CURB



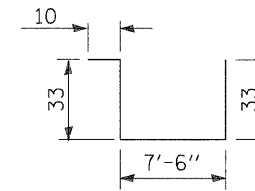
DETAIL OF CAST GRATE
Requires 3 grates



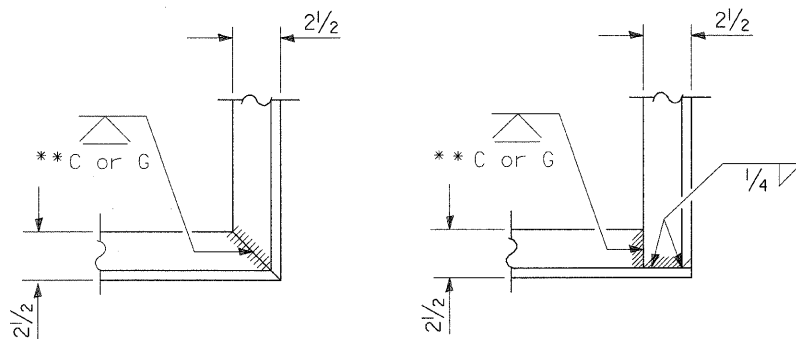
DETAIL B



BAR U



BARS U₁

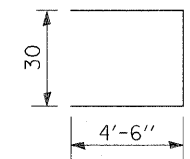


ALT. 1

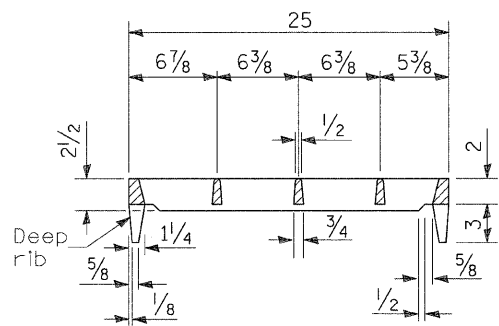
ALT. 2

TYPICAL CORNER of STEEL GRATING FRAME

** Cut or Grind flush

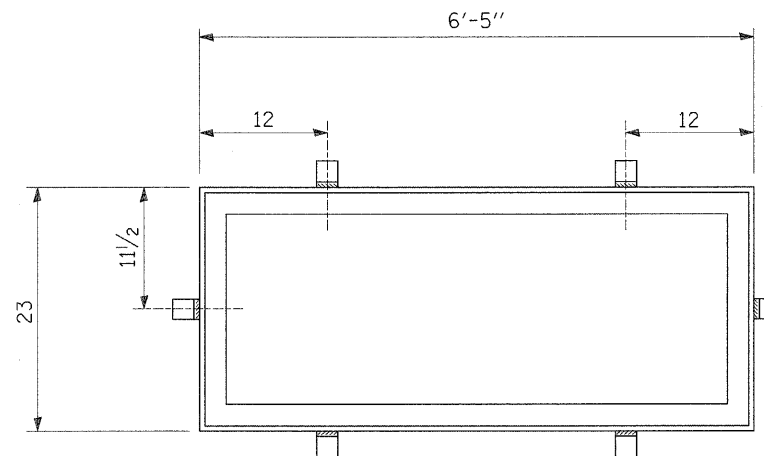


Bars U₃



SECTION X-X

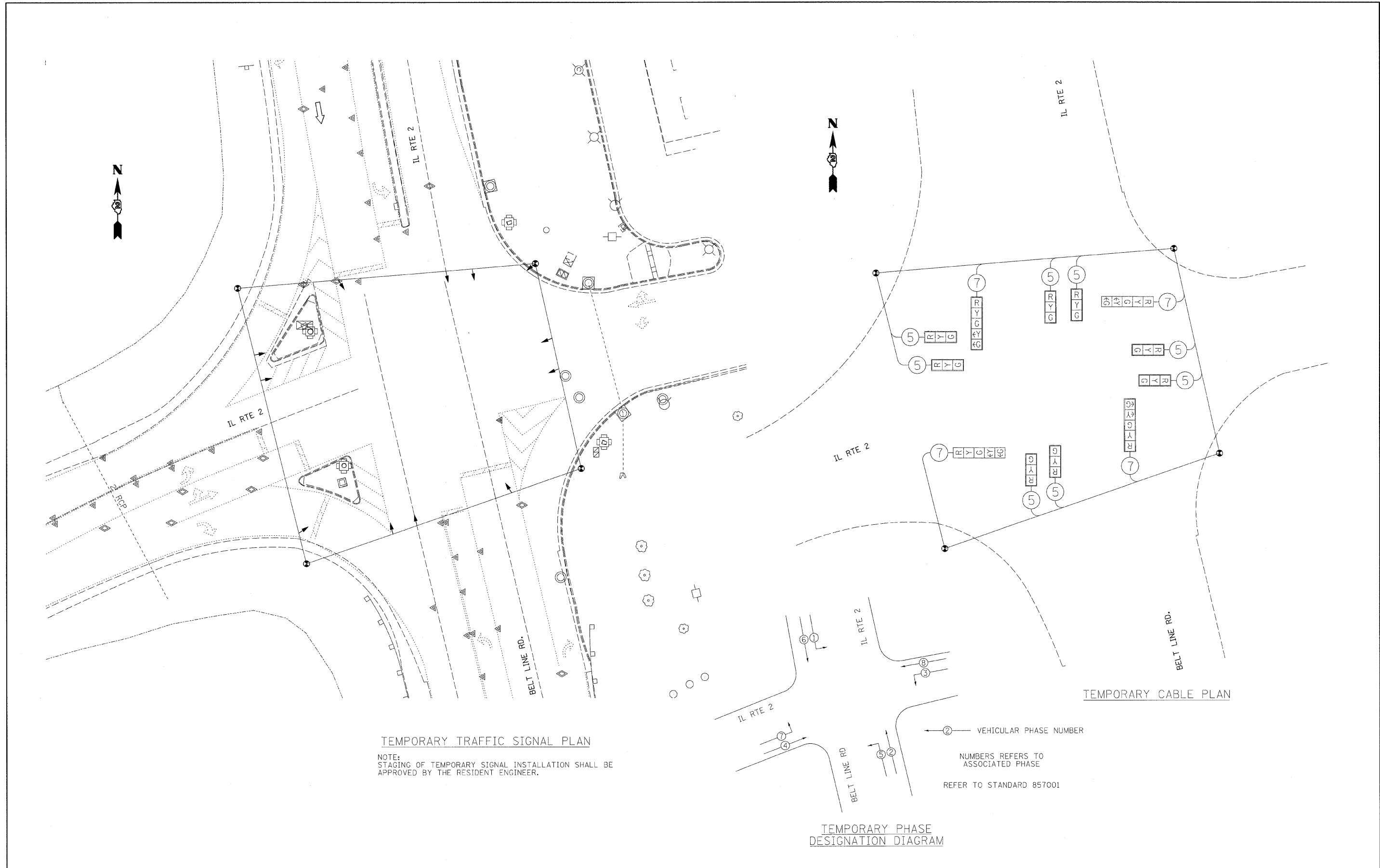
(Deep rib shall be omitted for end(s) resting on frame perimeter)



DETAIL OF STEEL FRAME

Cast frame to have same basic dimensions.

REQUIRED MATERIAL				
TYPE F				
Bar	Qty.	Size	Shape	Length
a ₁₀	21	No. 4	—	10'-1"
a ₁₁	5	No. 4	—	2'-11"
b ₁₀	6	No. 4	—	14'-8"
b ₁₁	12	No. 4	—	6'-1"
b ₁₂	12	No. 4	—	5'-5"
u	8	No. 4	U	9'-9"
u ₁	3	No. 4	U	13'-10"
u ₃	6	No. 4	□	11'-6"
Concrete	cu. yds.			6.5
Reinf. bars	lbs.			455.1
Grating	sq. ft.			10.9



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGESTED TEMPORARY SIGNALS IL-2 AT BELT LINE RD.			F.A.P. RTE. 742	SECTION 34BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 61
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	PLOT DATE = #DATE#	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY: REMOVAL AND REPLACEMENT OF EXISTING STRUCTURE

THIS PROJECT CONSISTS OF 900 LF OF PAVEMENT RECONSTRUCTION WITH PCC SHOULDERS.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 3.58 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 0.65 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 2.25 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE
FULLER CREEK

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

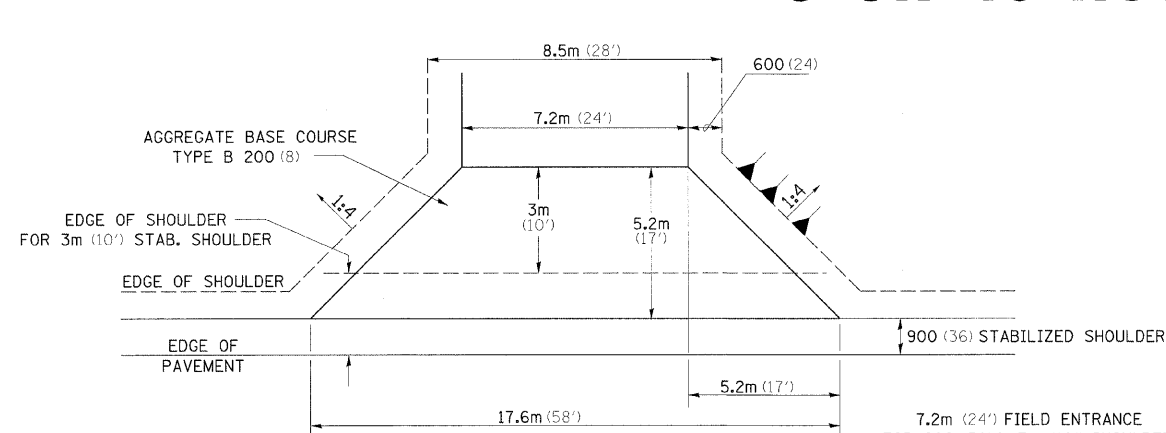
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

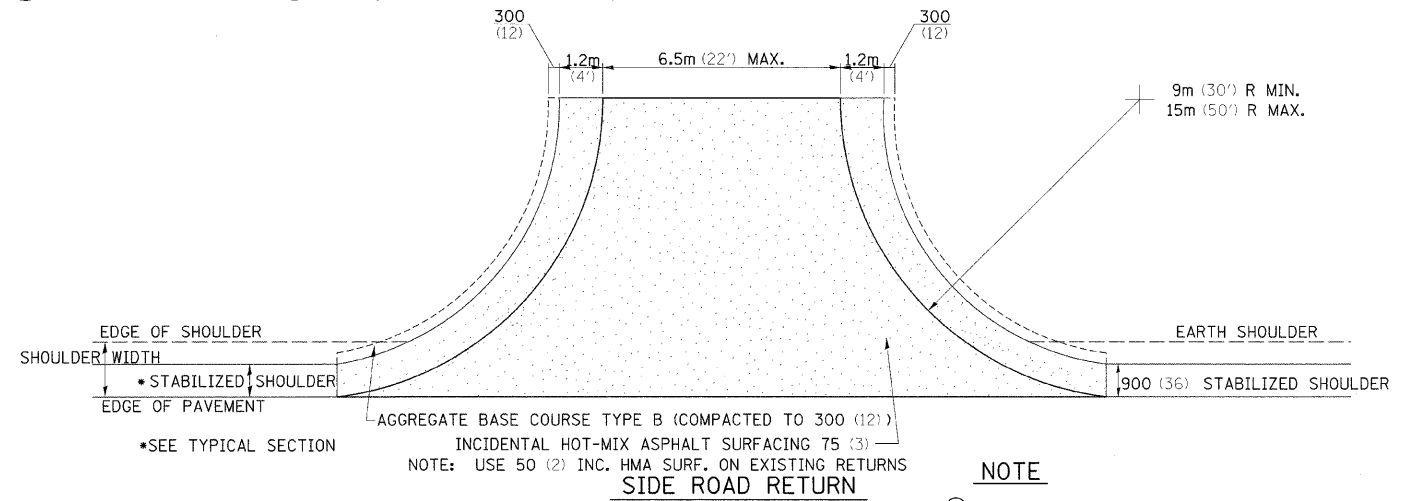
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	PLOT DATE = #DATE#	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

ENTRANCES, SIDEROADS, AND MAILBOX RETURNS WITH 3' OR 10' HOT-MIX ASPHALT SHOULDERS



FIELD ENTRANCE

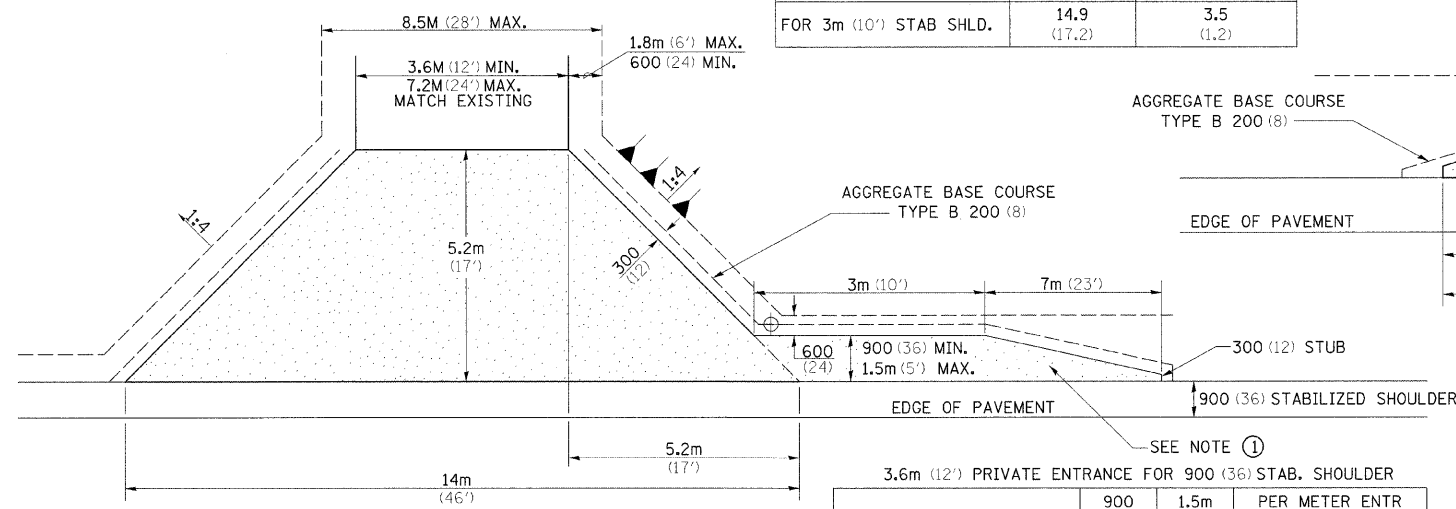
AGG BASE CSE TYPE B M TON (TON)	APRON M TON (TON)	PER METER (FOOT) ADD. RUN
FOR 900 (36) STAB SHLD.	31.3 (35.3)	3.5 (1.2)
FOR 3m (10') STAB SHLD.	14.9 (17.2)	3.5 (1.2)



SIDE ROAD RETURN

NOTE

- ① ALL ENTRANCES TO BE CONSTRUCTED WITH AN 8" AGGREGATE BASE COURSE, TYPE B AND WITH A 2" INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
- ② TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ③ ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- ④ FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN WHICH EVER IS GREATER.
- ⑤ QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
- ⑥ ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

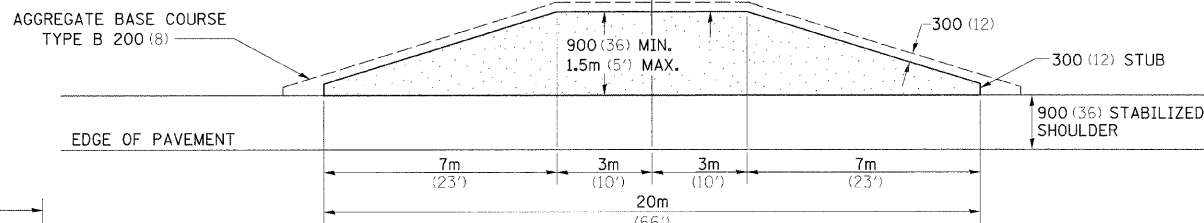


PRIVATE ENTRANCE FOR 900 (36) STAB. SHOULDERS

3.6m (12') PRIVATE ENTRANCE FOR 900 (36) STAB. SHOULDER

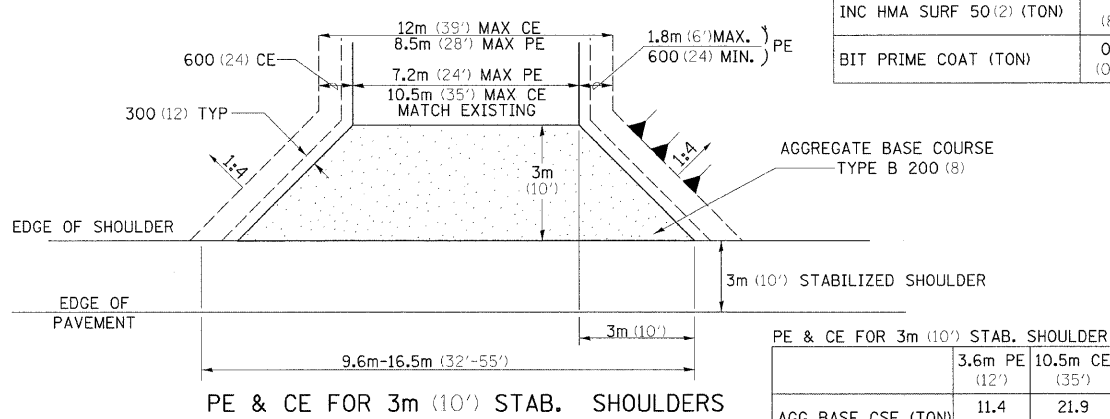
	900 (36)	1.5m (5')	PER METER ENTR (FOOT)
AGG BASE CSE (TON)	29.4 (32.4)	30.8 (33.9)	0.64 (0.7)
INC HMA SURF 50 (2) (TON)	7.8 (8.6)	8.4 (9.3)	0.17 (0.19)
BIT PRIME COAT (TON)	0.08 (0.09)	0.09 (0.10)	0.006 (0.002)

SEE NOTE ①



MAILBOX TURNOUT

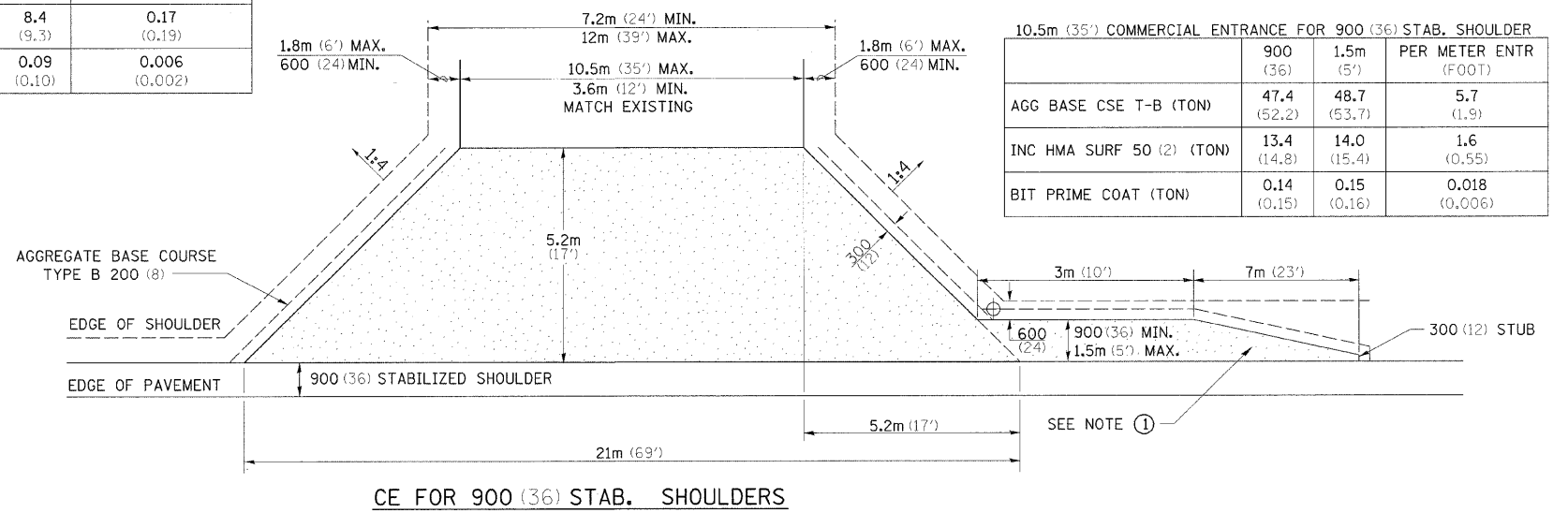
	900 (36)	1.5m (5')
AGG BASE CSE T-B (TON)	10.7 (11.8)	14.4 (15.9)
INC BIT SURF 50 (2) (TON)	2.2 (2.4)	3.4 (3.8)
BIT PRIME COAT (TON)	0.02 (0.02)	0.04 (0.04)



PE & CE FOR 3m (10') STAB. SHOULDERS

PE & CE FOR 3m (10') STAB. SHOULDER

	3.6m PE (12')	10.5m CE (35')
AGG BASE CSE (TON)	11.4 (12.6)	21.9 (24.2)
INC HMA SURF (TON)	3.1 (3.4)	6.3 (7.0)
PRIME (TON)	0.04 (0.04)	0.06 (0.07)



CE FOR 900 (36) STAB. SHOULDERS

10.5m (35') COMMERCIAL ENTRANCE FOR 900 (36) STAB. SHOULDER

	900 (36)	1.5m (5')	PER METER ENTR (FOOT)
AGG BASE CSE T-B (TON)	47.4 (52.2)	48.7 (53.7)	5.7 (1.9)
INC HMA SURF 50 (2) (TON)	13.4 (14.8)	14.0 (15.4)	1.6 (0.55)
BIT PRIME COAT (TON)	0.14 (0.15)	0.15 (0.16)	0.018 (0.006)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

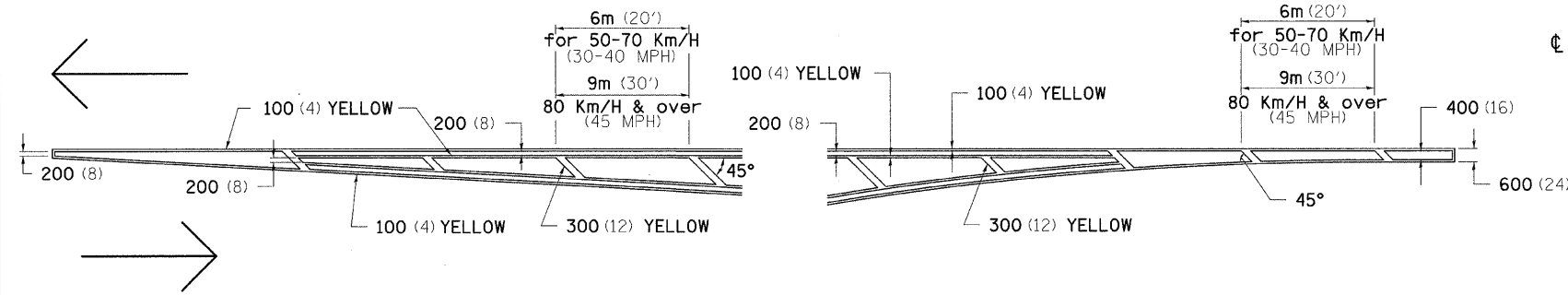
REGION 2 / DISTRICT 2 STANDARD

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

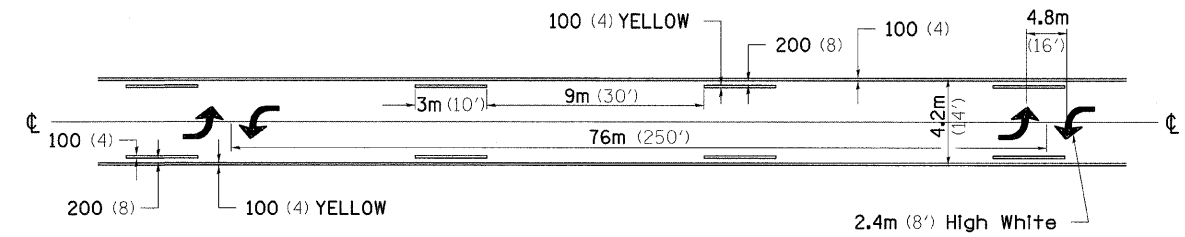
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34BR-1	WINNEBAGO	78	63
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E68	

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

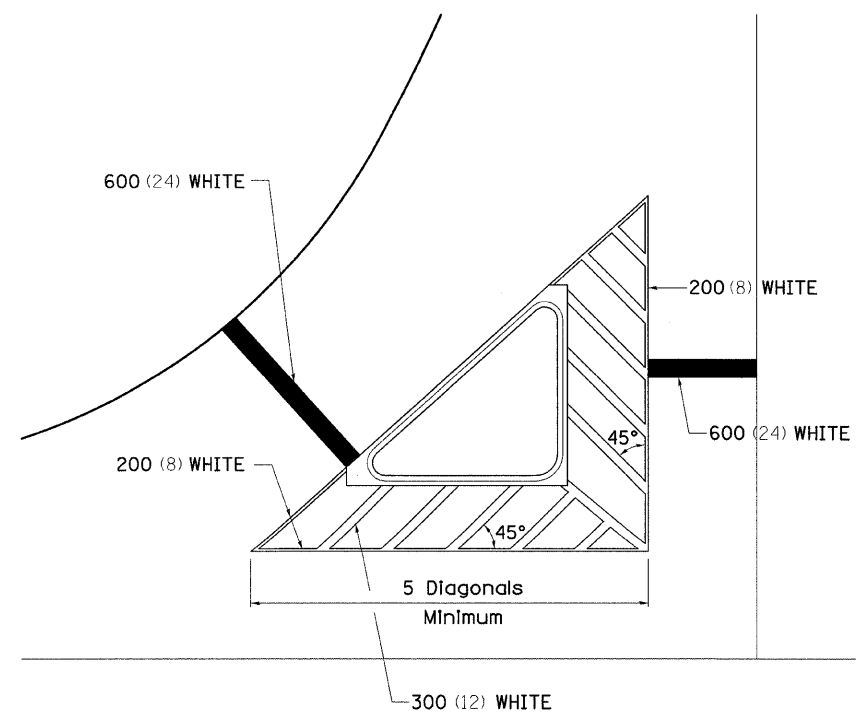


MEDIAN PAVEMENT MARKING

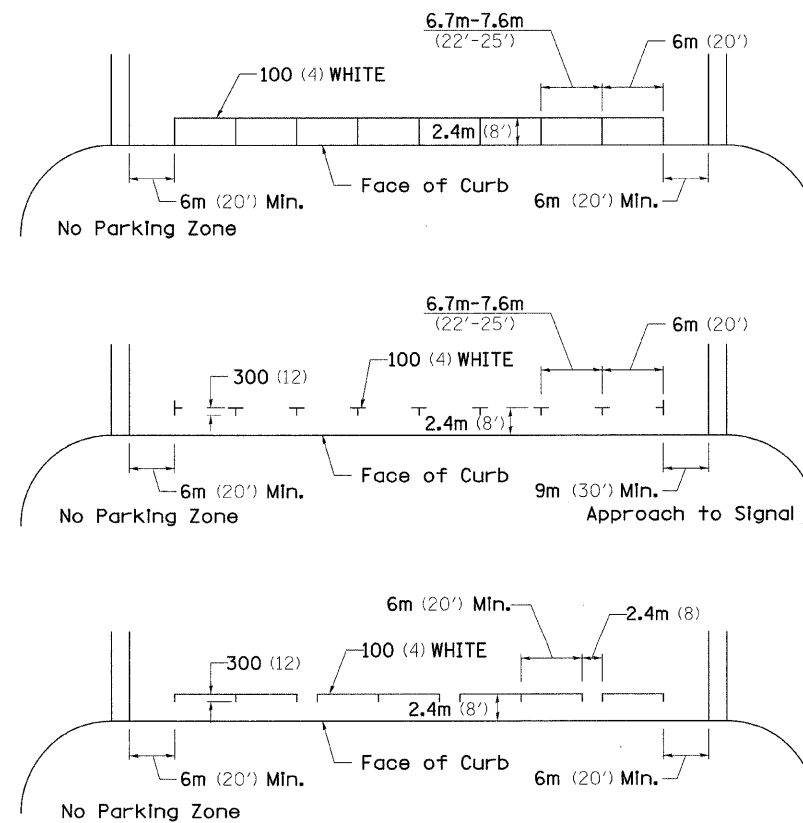


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

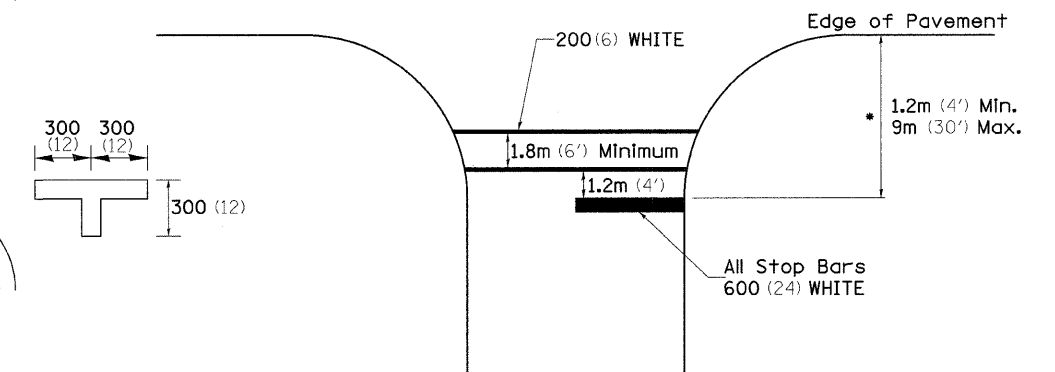


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

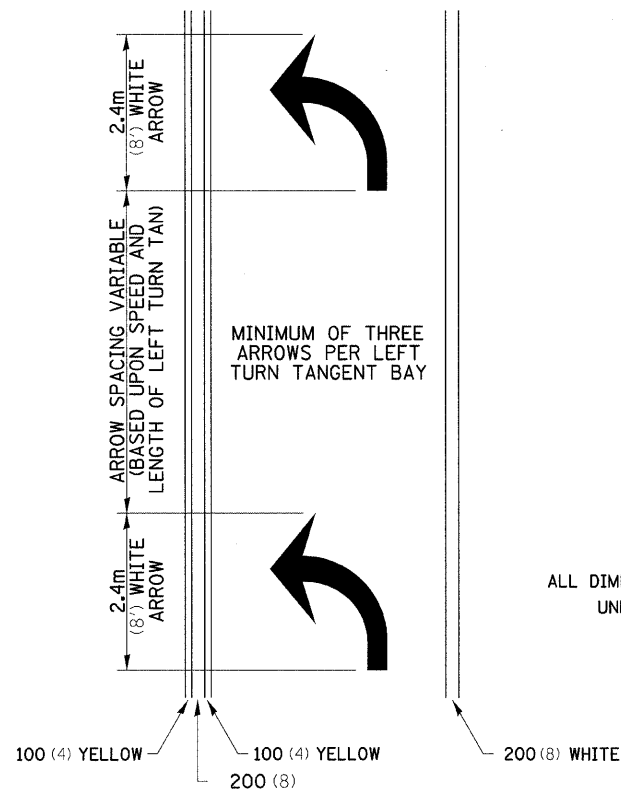


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - DRAWN -	REVISED - 10-21-08 REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE. 742	SECTION 34BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 78	SHEET NO. 64
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TYPICAL PAVEMENT MARKINGS

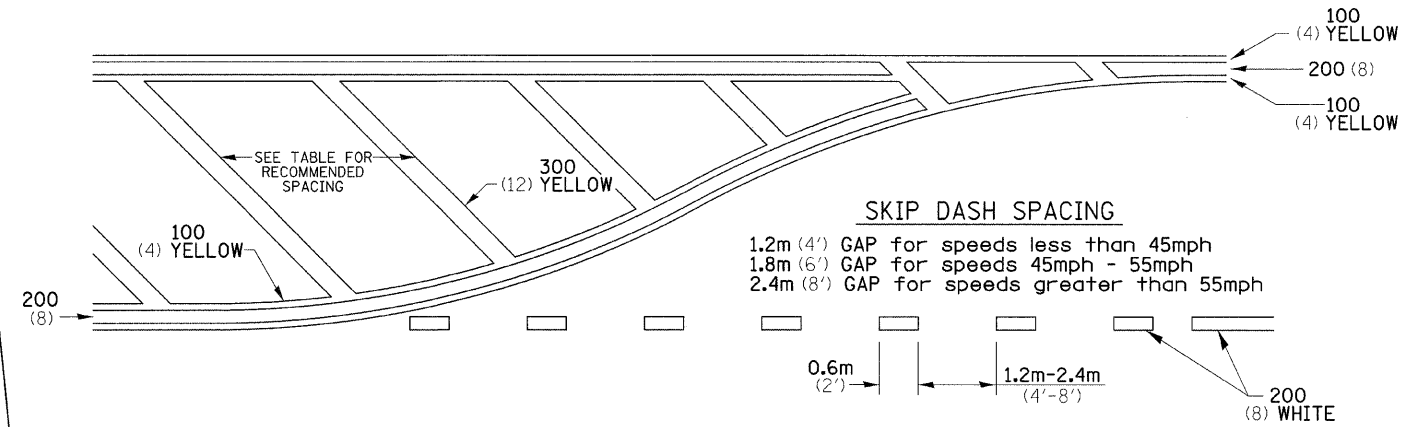
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

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

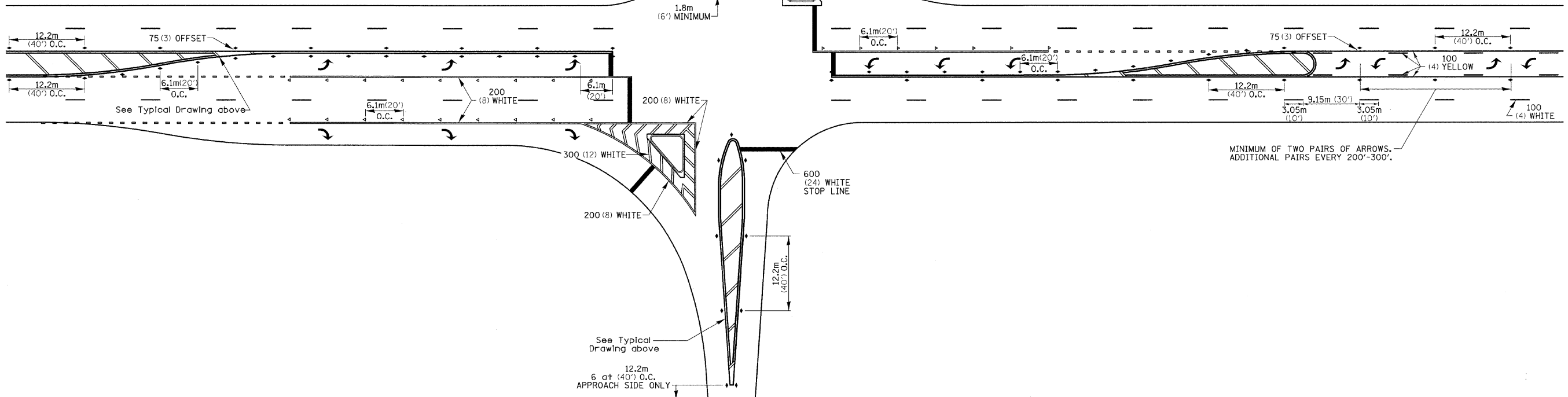
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

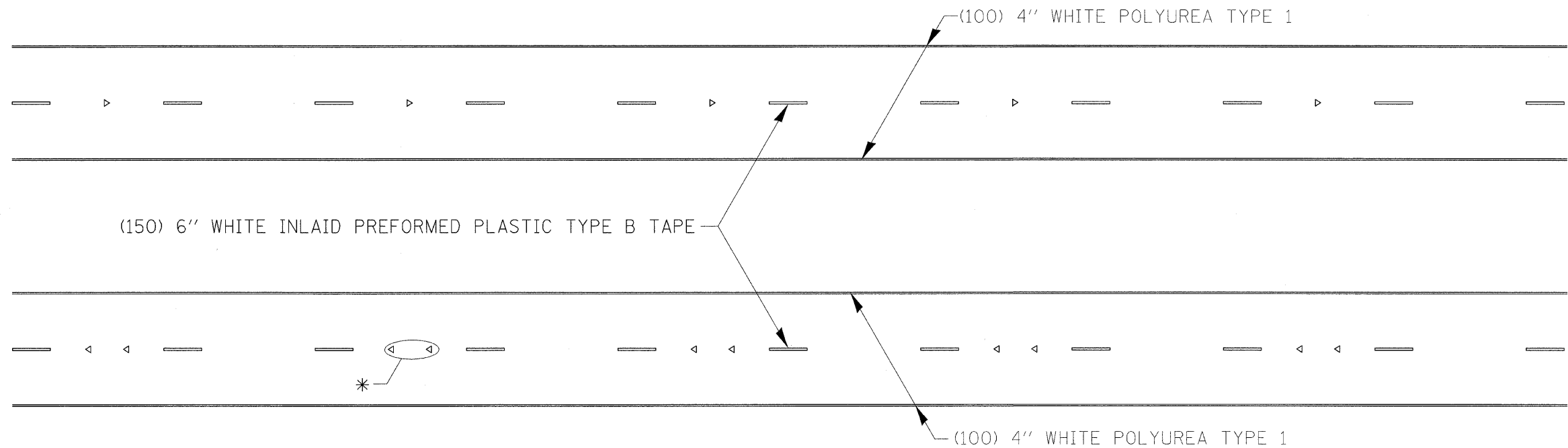
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



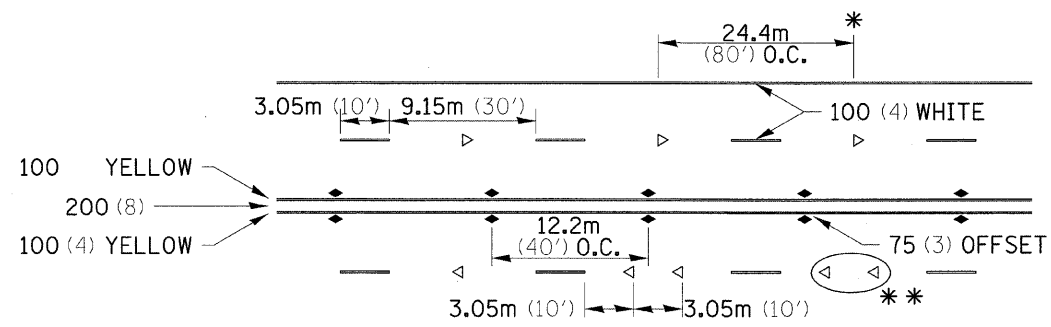
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#FILE#		DRAWN -	REVISED -			742	34BR-1	WINNEBAGO	78	65	
		CHECKED -	REVISED -			CONTRACT NO. 64E68					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT \geq 25,000.

MULTI-LANE / DIVIDED



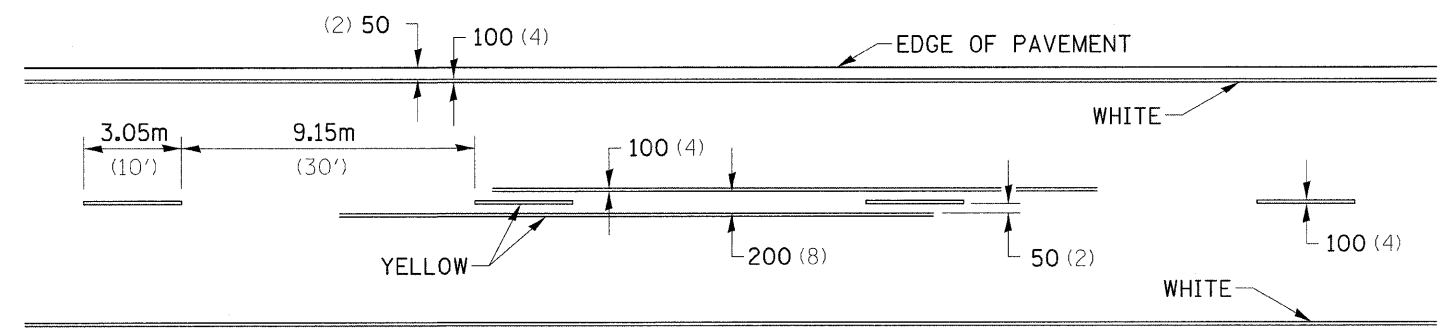
* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT \geq 25,000

MULTI-LANE / UNDIVIDED

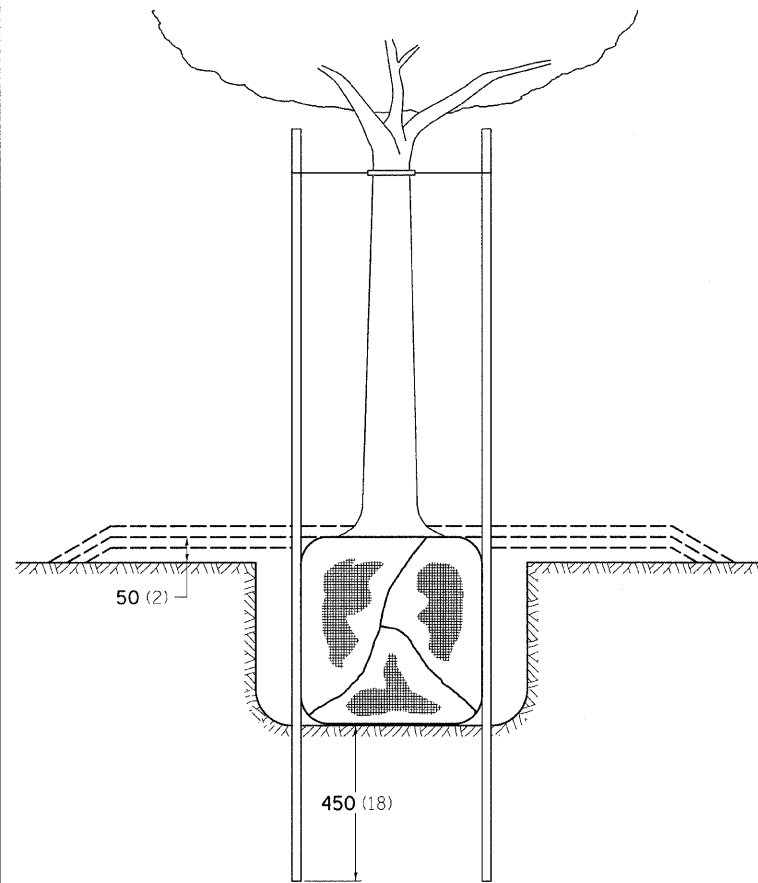
SYMBOLS

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES

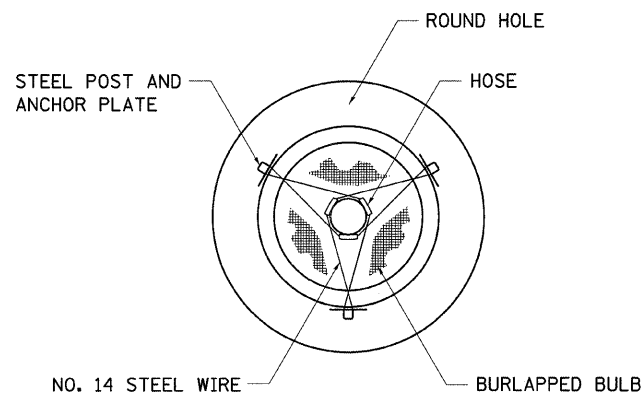


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#FILE#		DRAWN -	REVISED -					742	34BR-1	WINNEBAGO	78	66
		CHECKED -	REVISED -					CONTRACT NO. 64E68				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

DETAILS OF PLANTING AND BRACING TREES

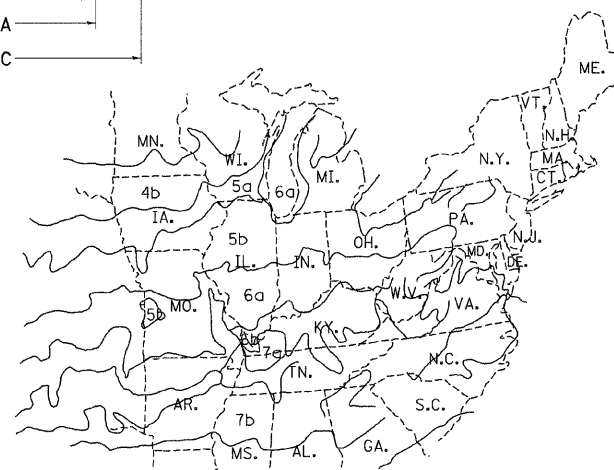
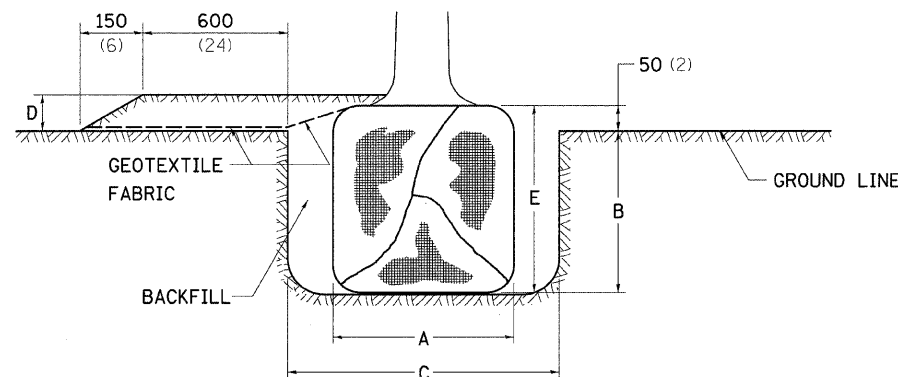


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER



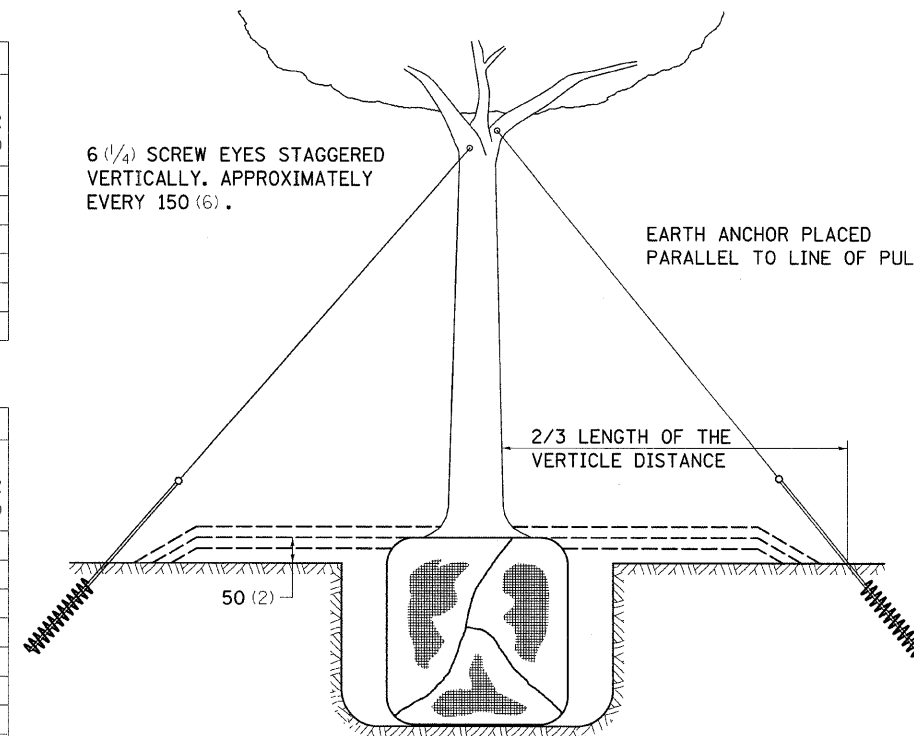
SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2) BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2 1/2-3) BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3 1/2) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3 1/2-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4 1/2) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4 1/2-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5 1/2) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)

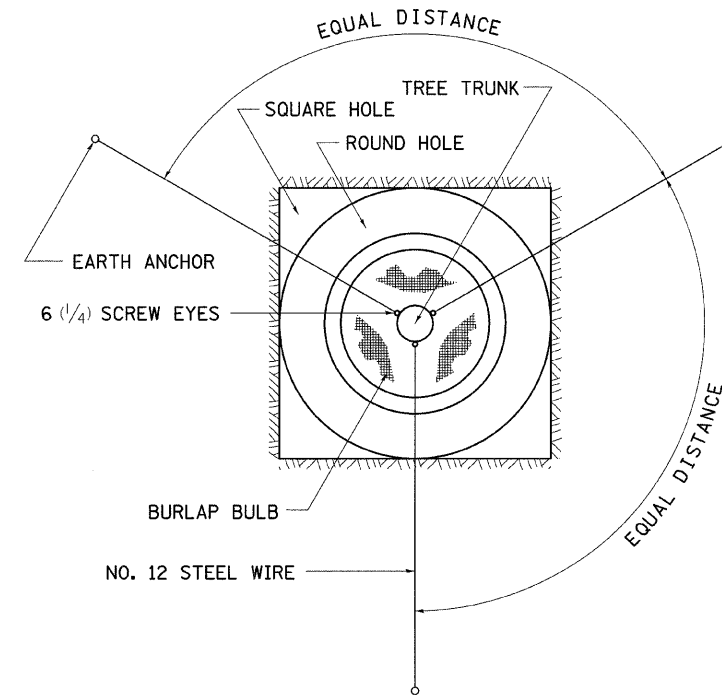


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 (4 1/2) IN DIAMETER



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

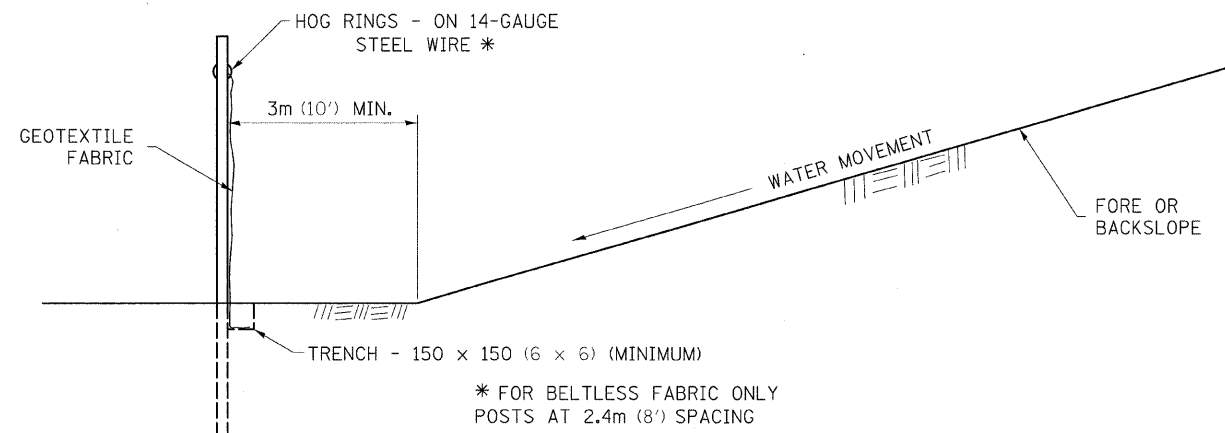
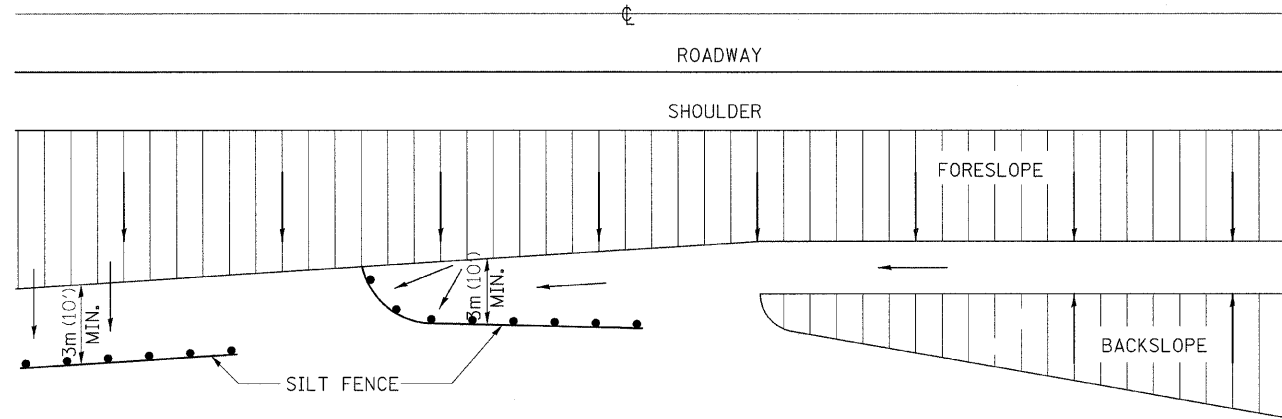
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34BR-1	WINNEBAGO	78	67
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 64E68	

EROSION CONTROL DETAILS FOR SILT FENCE

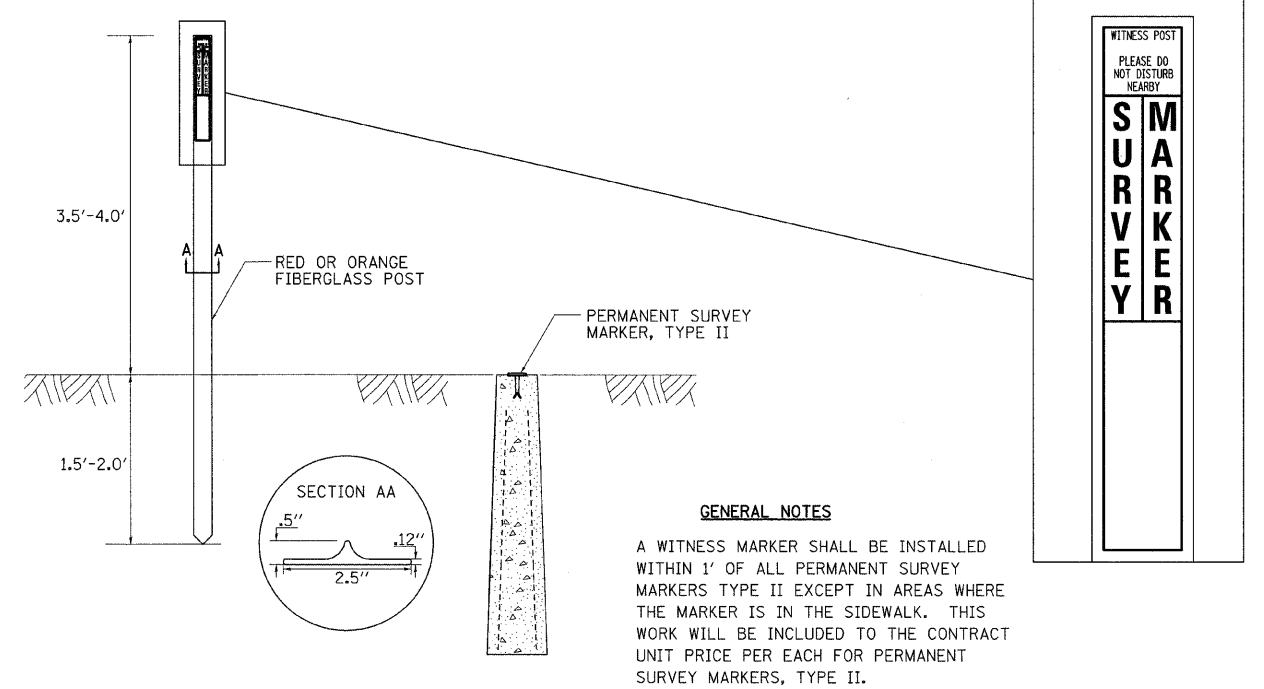


DETAILS OF SILT FENCE

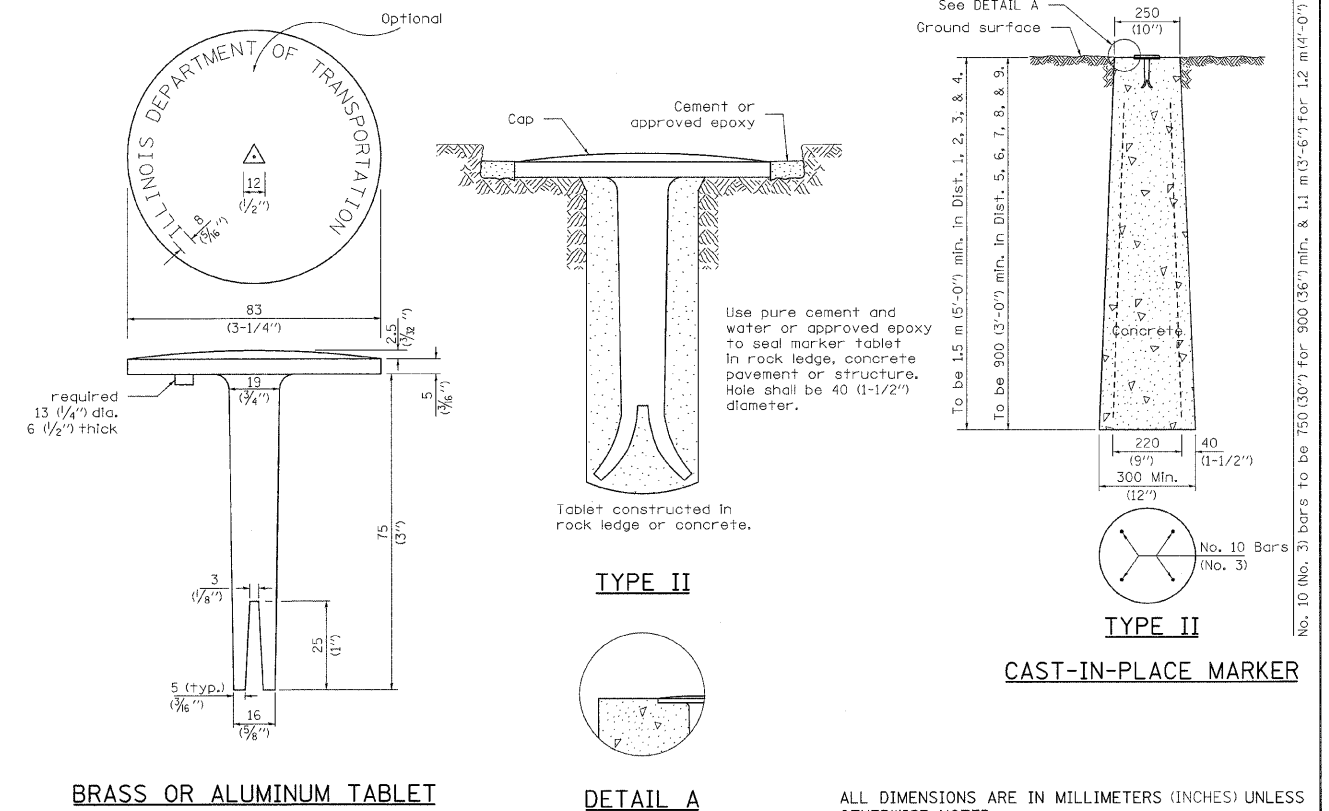
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 10-22-01

WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



PERMANENT SURVEY MARKERS, TYPE II



BRASS OR ALUMINUM TABLET

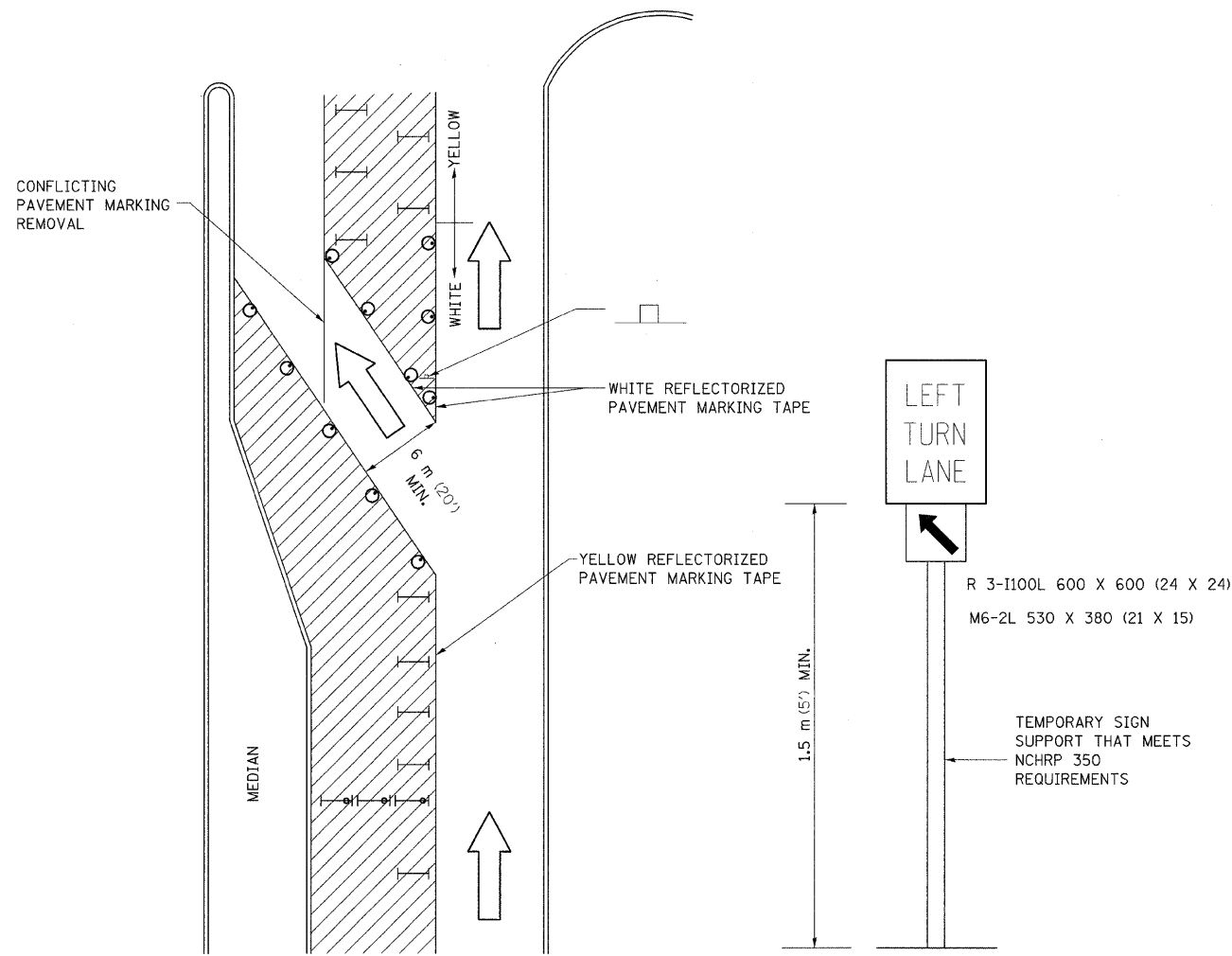
DETAIL A

TYPE II CAST-IN-PLACE MARKER

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

REVISED - 10-21-08	REGION 2 / DISTRICT 2 STANDARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	SCALE: #SCALE#	SHEET NO.	OF SHEETS	STA.	TO STA.	742	34BR-1	WINNEBAGO	78 68
REVISED -					CONTRACT NO. 64E68				
REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

REVISED - 10-15-04

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

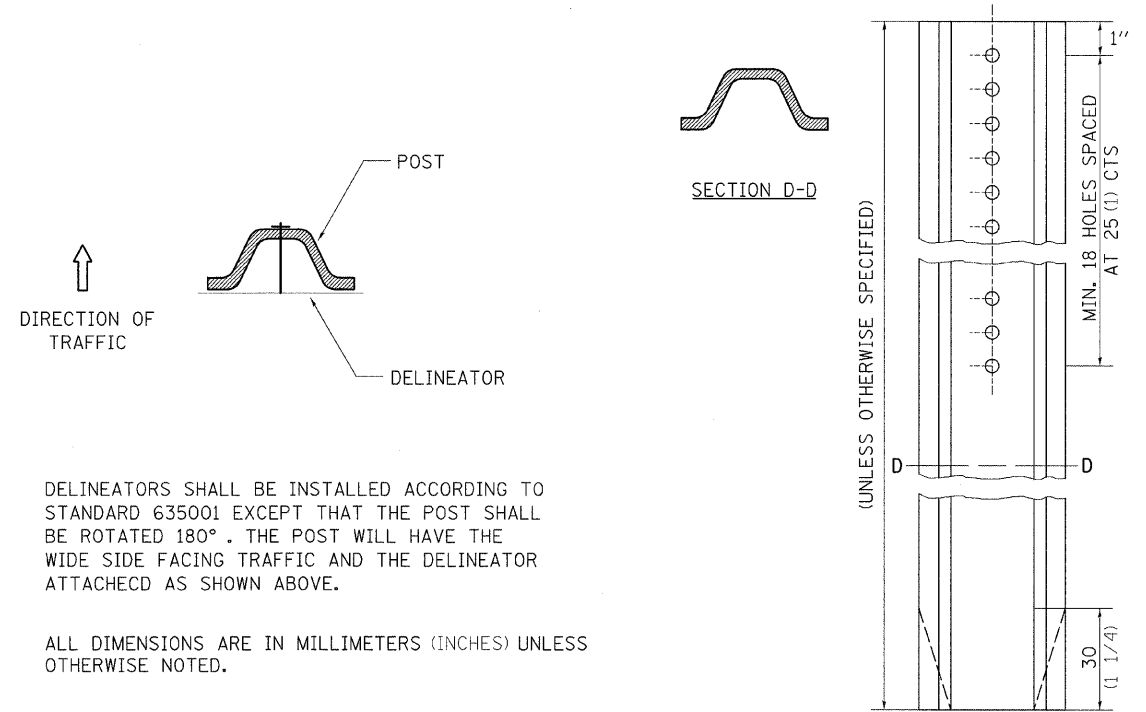
THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 X 24) AND M6-2R 530 X 380 (21 X 15) SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

DELINEATOR AND POST ORIENTATION



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

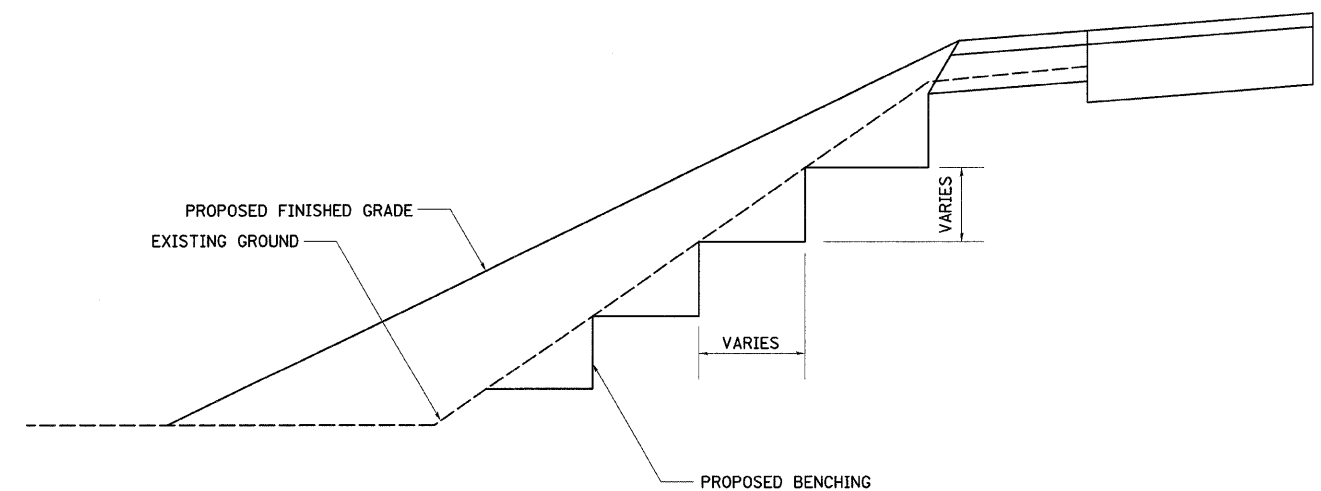
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION

37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06
REVISED -
REVISED -
REVISED -

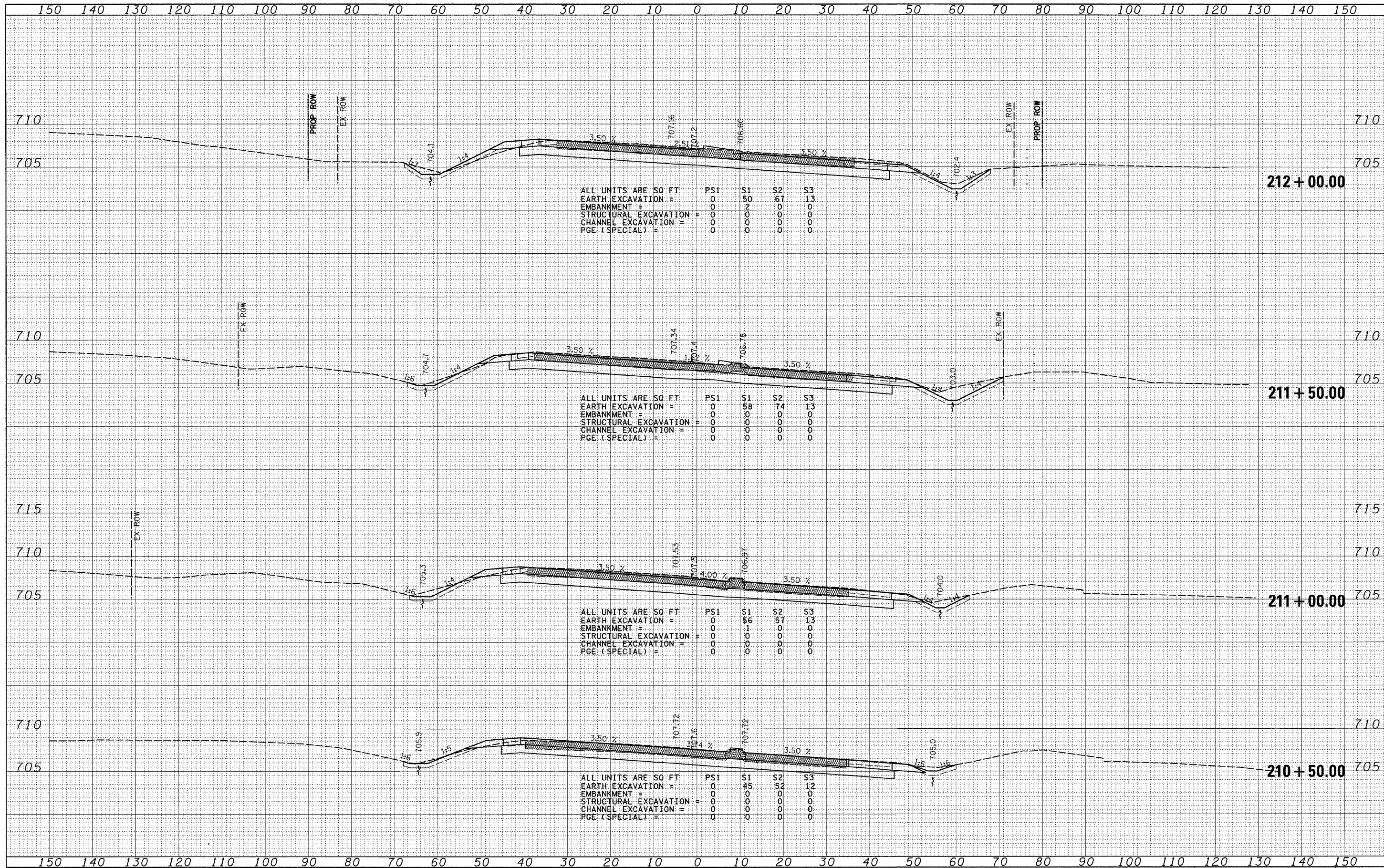
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34BR-1	WINNEBAGO	78	69
CONTRACT NO. 64E68				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

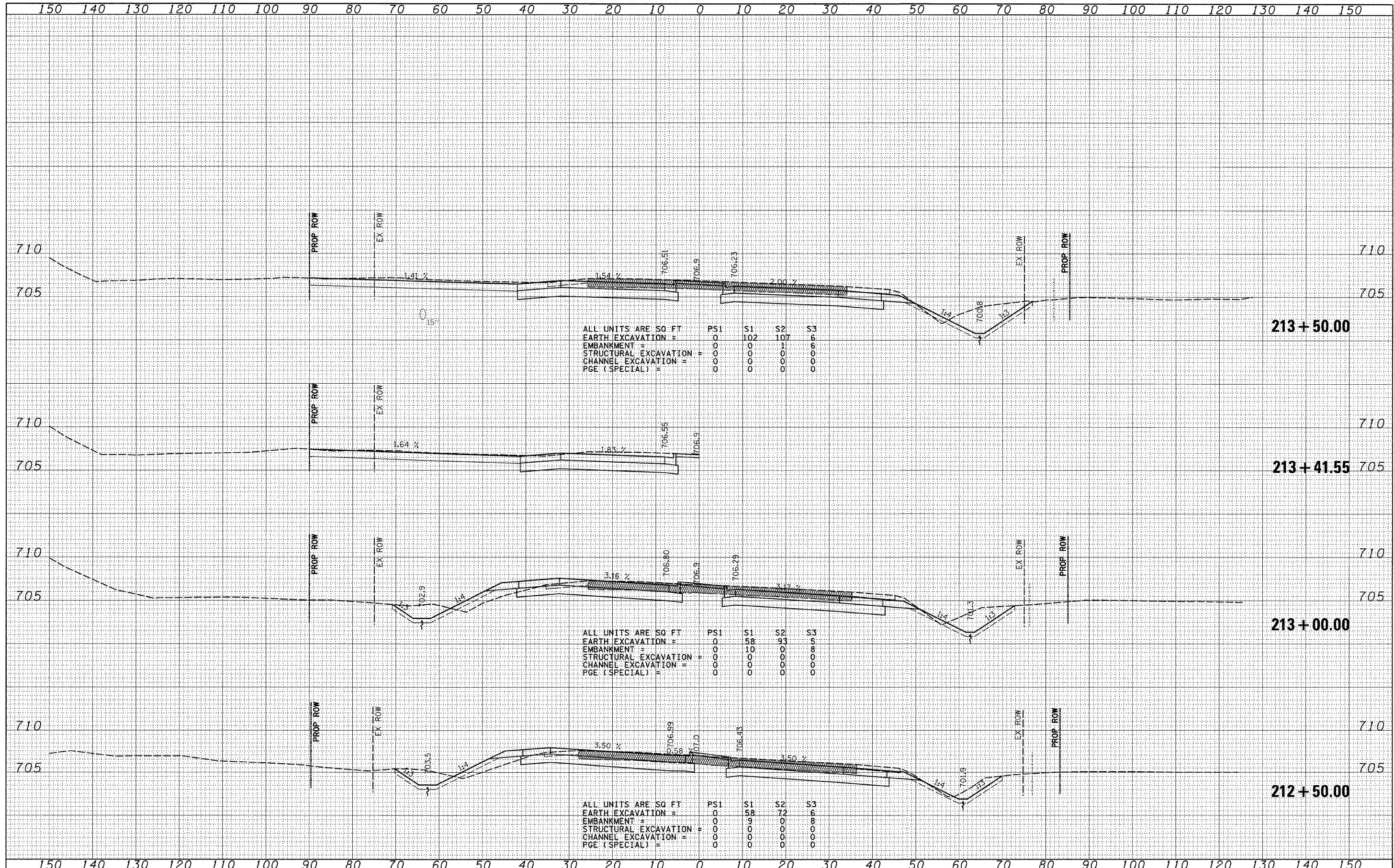
DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 NO. _____
 AREAS CHECKED _____

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



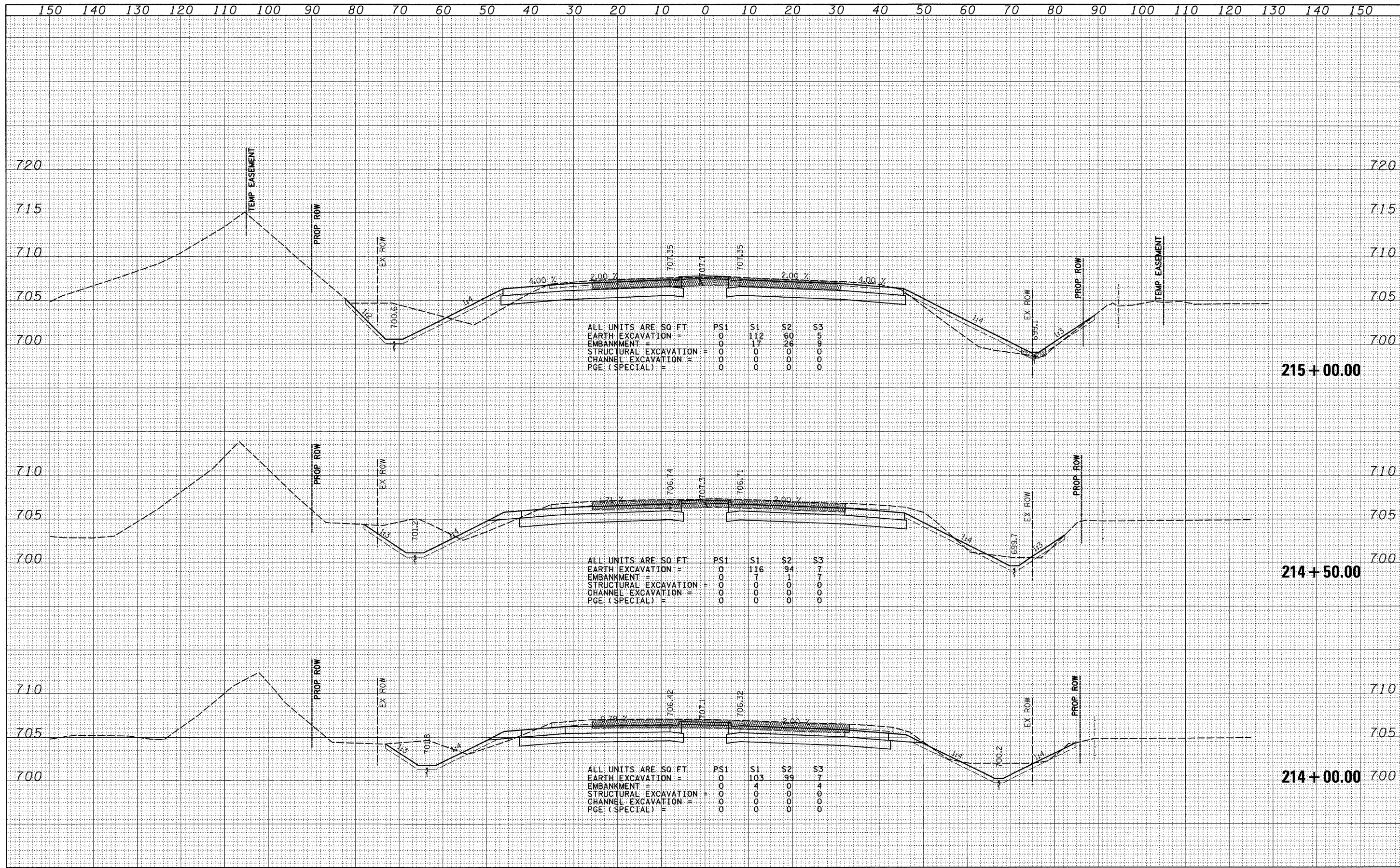
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NOTE BOOK	PLOTTED	BY
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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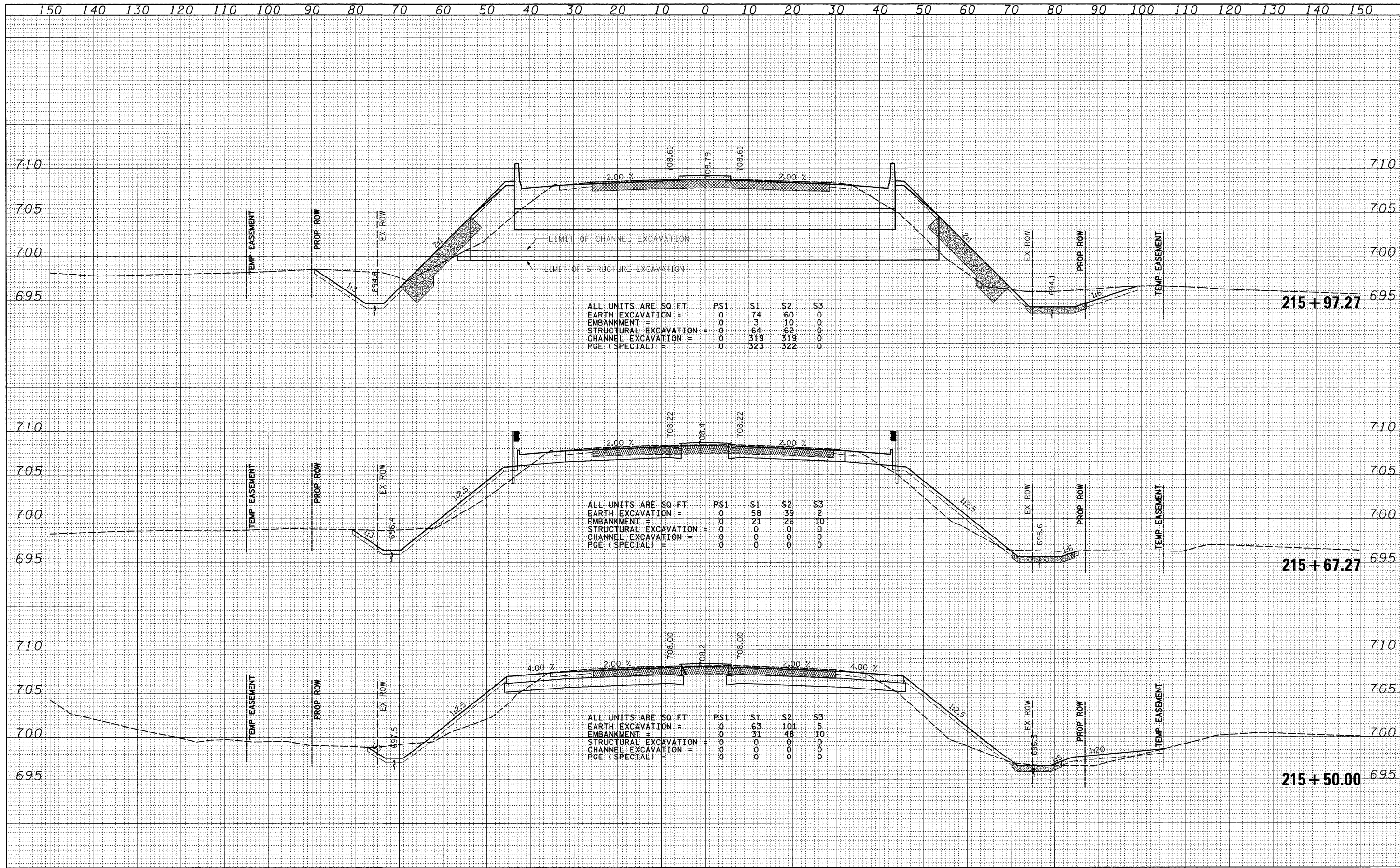
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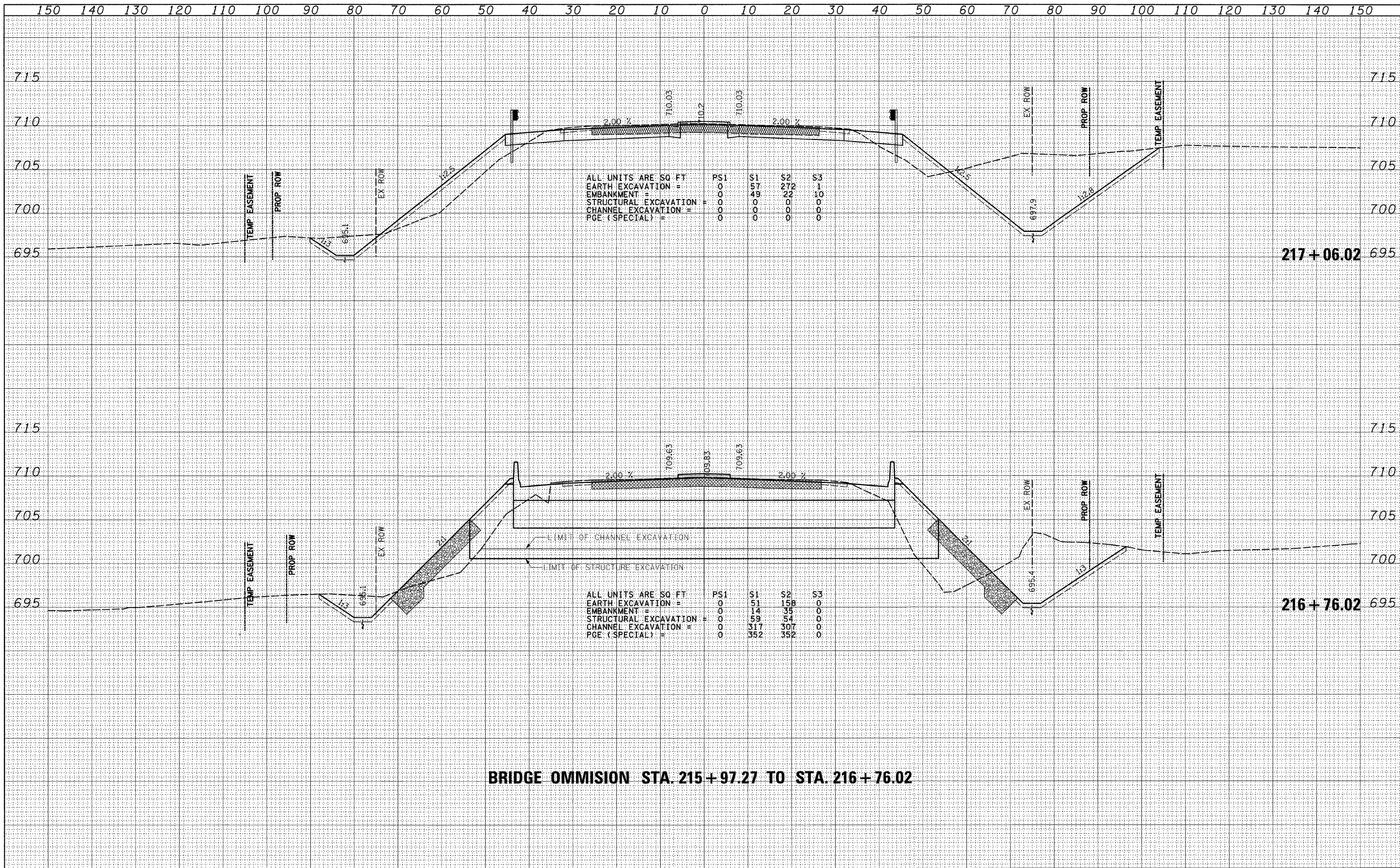
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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



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





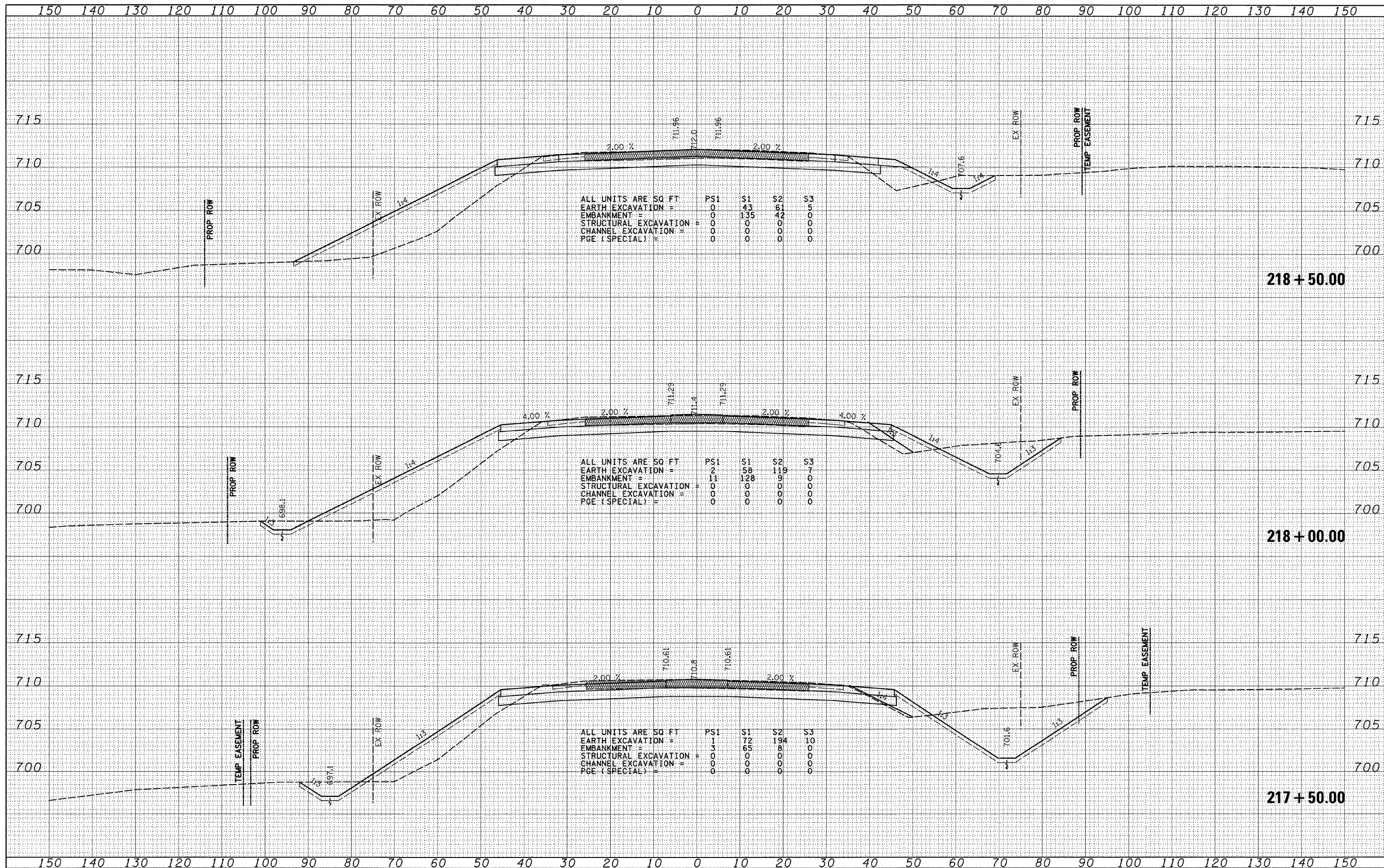
BRIDGE OMMISION STA. 215+97.27 TO STA. 216+76.02

DATE	BY
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

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

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



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

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

