

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP 334 (U.S. ROUTE 12/IL 59)

SECTION TR-RS-3

**FAU 233 (OLD RAND ROAD/MAIN STREET) TO FISH LAKE ROAD
RESURFACING (3P)**

**LAKE COUNTY
C-91-295-11**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 60N25	

D-91-295-11



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

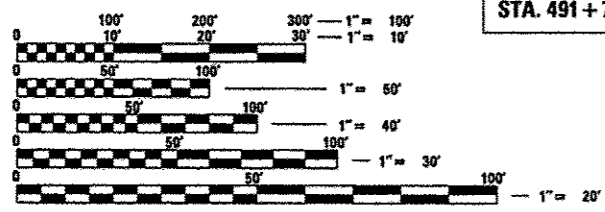
FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROJECT LOCATED IN THE
VILLAGES OF VOLO, LAKEMOOR,
AND WAUCONDA**

DESIGN DESIGNATION:

SPEED LIMIT: 55 M.P.H.

2011 ADT = 34,800

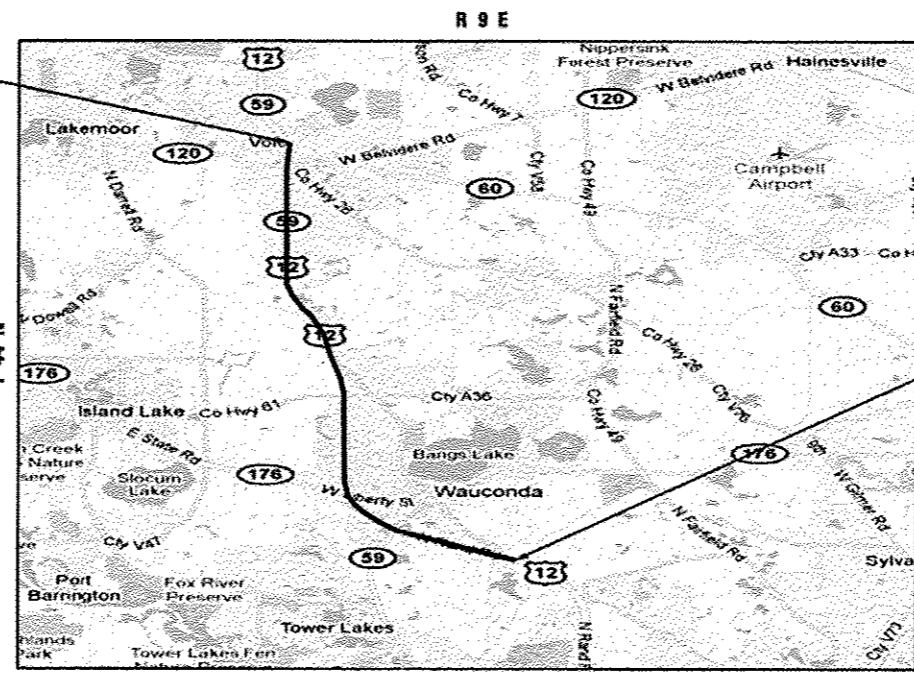


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

OMISSIONS:
STA. 251+74 TO STA. 255+34 (SB)
STA. 251+22 TO STA. 254+83 (NB)
STA. 321+85 TO STA. 328+60
STA. 405+43 TO STA. 407+59 (NB)
STA. 409+88 TO STA. 411+63 (NB)
STA. 491+78 TO STA. 498+07 (NB & SB)

**PROJECT ENDS
STA. 512+80**



**PROJECT BEGINS
STA. 152+36**

**GROSS LENGTH OF PROJECT = 36,044 FT. = 6.83 MILE
NET LENGTH OF PROJECT = 34,184 FT. = 6.47 MILE**

**(HRGREEN) PROJECT ENGINEER: CHRISTOPHER HARTKE (815) 385-1778
(IDOT) PROJECT MANAGER: KEN ENG (847) 705-4247**

CONTRACT NO. 60N25

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 15, 2012
John F. ...
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 22, 2013
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2013
Chris Oshman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

Christopher M. Hartke
EXPIRES: 11/30/2013

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

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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 00	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201 - 03	CLASS C AND D PATCHES
482011 - 03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
606001 - 04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101 - 03	OFF-RO OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701411 - 08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701421 - 05	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
701426 - 05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701701 - 08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901 - 02	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 OR (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND CONDITIONS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF VOLO, LAKEMOOR, AND WAUCONDA.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.
- MATCH EXISTING PAVEMENT MARKINGS AT THE PROJECT LIMITS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKING ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT MS. DEBBIE HANLON, THE AREA TRAFFIC FIELD ENGINEER, AT (847) 438-2300 AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- LOCATIONS OF PAVEMENT PATCHING AND CURB & GUTTER REMOVAL & REPLACEMENT WILL BE DETERMINED BY THE ENGINEER.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- THE RESIDENT ENGINEER SHALL BE RESPONSIBLE FOR CONTACTING THE LOCAL AGENCY FOR RED LIGHT CAMERA ASSEMBLIES WITHIN THE PROJECT LIMITS AT LEAST TWO (2) WEEKS PRIOR TO CONSTRUCTION TO ALLOW THE RELOCATION AND DEACTIVATION OF THE EQUIPMENT IN CONFLICT WITH CONSTRUCTION ACTIVITIES.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.

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FLOT DATE: 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	2
CONTRACT NO. GON25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE

100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	URBAN
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	61	61	
25200110	SODDING, SALT TOLERANT	SO YD	61	61	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	11	11	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	180	180	
40600300	AGGREGATE (PRIME COAT)	TON	957	957	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	93	93	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	9,391	9,391	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	640	640	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	4,295	4,295	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1	1	
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	24,087	24,087	
42001300	PROTECTIVE COAT	SO YD	143	143	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	239,130	239,130	
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	11	11	

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)

SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 334	SECTION TR-RS-3	COUNTY LAKE	TOTAL SHEETS 52	SHEET NO. 3
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60N25	

CONSTRUCTION CODE

100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0005	URBAN
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SO YD	19,175	19,175	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	100	100	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	13,800	13,800	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	150	150	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	800	800	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	12,340	12,340	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	6	6	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	36,290	36,290	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1,020	1,020	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	154,300	154,300	

* SPECIALTY ITEMS

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)

SCALE: N.T.S. SHEET NO. 2 OF 4 SHEETS STA. NA TO STA. NA

F.A.P. RTG. 334	SECTION TR-RS-3	COUNTY LAKE	TOTAL SHEETS 52	SHEET NO. 4
FEG. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	

CONSTRUCTION CODE

100% STATE

ROADWAY

0005

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5,280	5,280
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	4,145	4,145
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,580	1,580
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	470	470
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	12,100	12,100
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1,205	1,205
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	154,300	154,300
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5,280	5,280
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	4,145	4,145
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,580	1,580
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	470	470
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2,980	2,980
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2,980	2,980
* 87900200	DRILL EXISTING HANDHOLE	EACH	4	4
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,932	1,932

* SPECIALTY ITEMS

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 U.S. ROUTE 12 (OLD RAND RD./MAIN STREET TO FISH LAKE RD.)


SCALE: N.T.S. SHEET NO. 3 OF 4 SHEETS STA. NA TO STA. NA

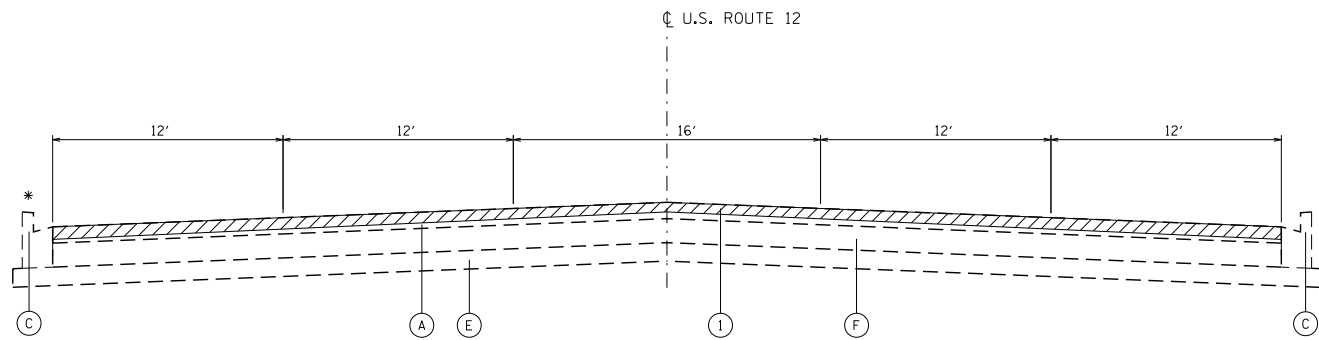
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	1,500		1,500
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	300		300
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	2		2
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	430		430
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	9		9
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	257		257

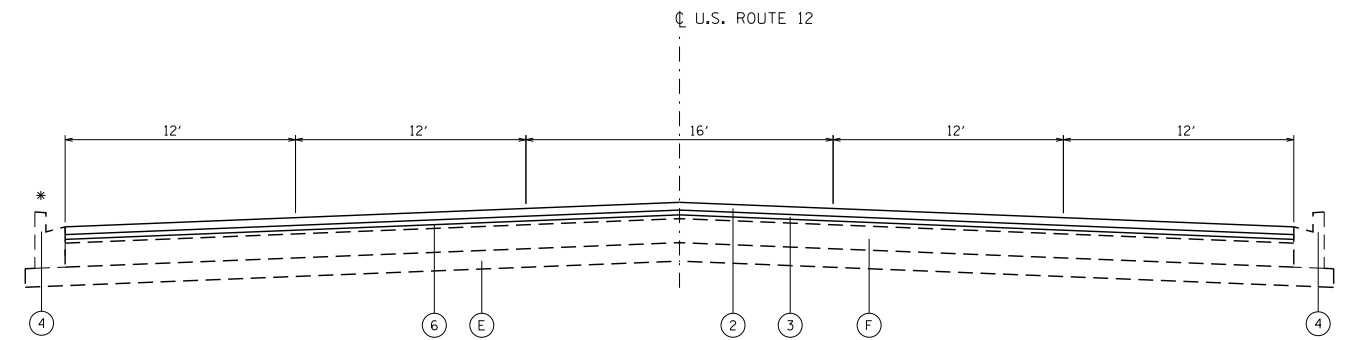
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 PER TABLE: s@hrgreen.com

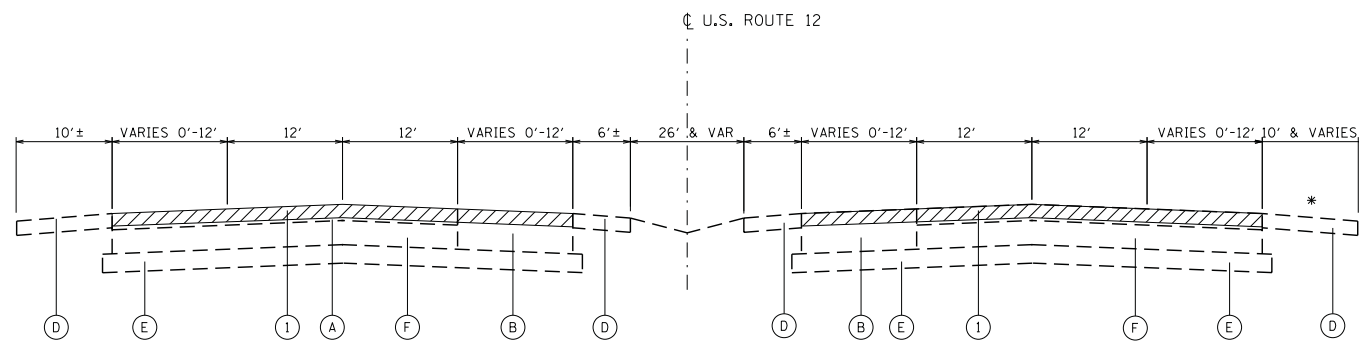
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	PLOT SCALE: N.T.S.	CHECKED - TEH	REVISED -		334	TR-RS-3	LAKE	52	6				
	PLOT DATE: 10/24/2012	DATE - 10/24/2012	REVISED -		SCALE: N.T.S. SHEET NO. 4 OF 4 SHEETS STA. NA TO STA. NA		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25			



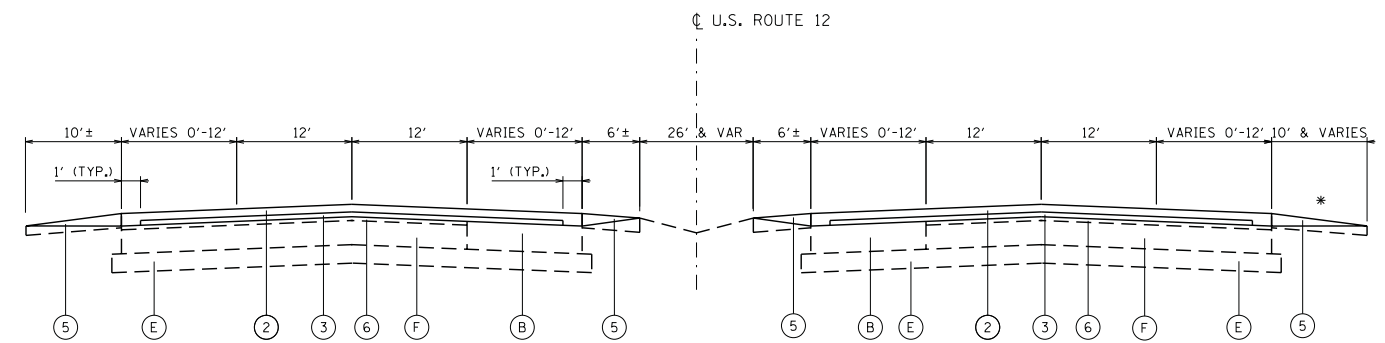
EXISTING TYPICAL SECTION
 STA. 491+78 TO STA. 512+00
 OMISSION AT STA. 491+78 TO STA. 498+07
 * HMA SHOULDER - STA. 511+90 TO STA. 512+80



PROPOSED TYPICAL SECTION
 STA. 491+78 TO STA. 512+00
 OMISSION AT STA. 491+78 TO STA. 498+07
 * HMA SHOULDER - STA. 511+90 TO STA. 512+80



EXISTING TYPICAL SECTION
 STA. 152+36 TO STA. 491+73
 OMISSIONS AT STA. 251+74 TO STA. 255+34 (SB)
 STA. 251+22 TO STA. 254+83 (NB)
 STA. 321+85 TO STA. 328+60
 STA. 405+43 TO STA. 407+59 (NB)
 STA. 409+88 TO STA. 411+63 (NB)
 * HMA SHOULDER - STA. 325+76 TO STA. 341+70
 STA. 390+51 TO STA. 395+98



PROPOSED TYPICAL SECTION
 STA. 152+36 TO STA. 491+73
 OMISSIONS AT STA. 251+74 TO STA. 255+34 (SB)
 STA. 251+22 TO STA. 254+83 (NB)
 STA. 321+85 TO STA. 328+60
 STA. 405+43 TO STA. 407+59 (NB)
 STA. 409+88 TO STA. 411+63 (NB)
 * HMA SHOULDER - STA. 325+76 TO STA. 341+70
 STA. 390+51 TO STA. 395+98

EXISTING CONDITIONS

- (A) HMA EXISTING RESURFACING, ±4"
- (B) HMA PAVEMENT, ±14"
- (C) COMBINATION CONCRETE CURB AND GUTTER
- (D) AGGREGATE SHOULDERS
- (E) AGGREGATE BASE COURSE
- (F) PCC PAVEMENT, ±10"

PROPOSED IMPROVEMENTS

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT (AT LOCATIONS AS DETERMINED BY THE ENGINEER)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B (TAPER 3" TO 1" THICKNESS) - SEE SAFETY EDGE DETAIL
- (6) EXISTING HOT-MIX ASPHALT SURFACE AFTER PROPOSED SURFACE REMOVAL

NOTE:
 THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING. SEE DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

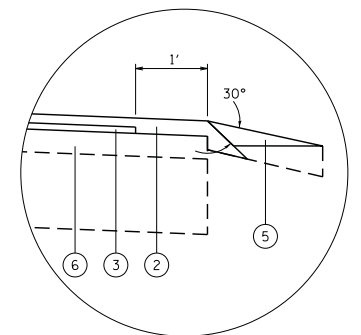
MIXTURE TYPE	AIR VOIDS @ N _{des}
PAVEMENT AND SHOULDER RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER, IL-19mm)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N 50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm); PE -6", CE -8"	4% @ 50 GYR.

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

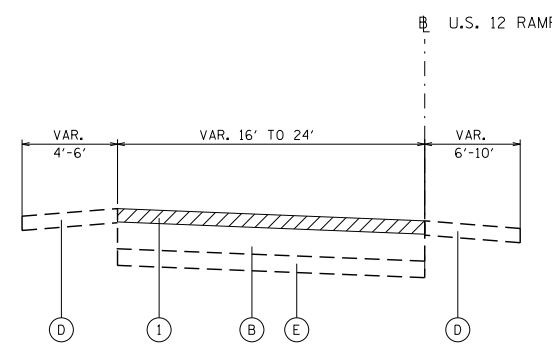
FOR USE OF RECYCLED MATERIALS SEE DISTRICT 1 SPECIAL PROVISIONS.

PAY FOR PERFORMANCE SPECIFICATION SHALL ONLY APPLY TO POLYMERIZED HMA SURFACE COURSE, MIX "F", N90.

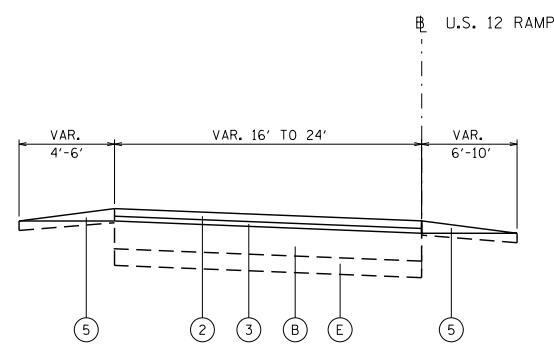


RESURFACING TREATMENT AT SHOULDER AND SAFETY EDGE DETAILS

N.T.S.
 NOTE: INCREASED THICKNESS OF HMA SURFACE COURSE ALONG SHOULDER EDGE SHALL BE INCLUDED IN THE COST OF POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90



EXISTING TYPICAL SECTION
 STA. 20+00 TO STA. 26+29 (NB)
 STA. 27+93 TO STA. 43+53 (NB)
 STA. 60+00 TO STA. 67+56 (SB)
 STA. 69+45 TO STA. 86+81 (SB)



PROPOSED TYPICAL SECTION
 STA. 20+00 TO STA. 26+29 (NB)
 STA. 27+93 TO STA. 43+53 (NB)
 STA. 60+00 TO STA. 67+56 (SB)
 STA. 69+45 TO STA. 86+81 (SB)

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 PROJECT CONTACT: HRGreen.com
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 PLOT DRIVER: pafplot
 PEN TABLE: standard-trans.tbl



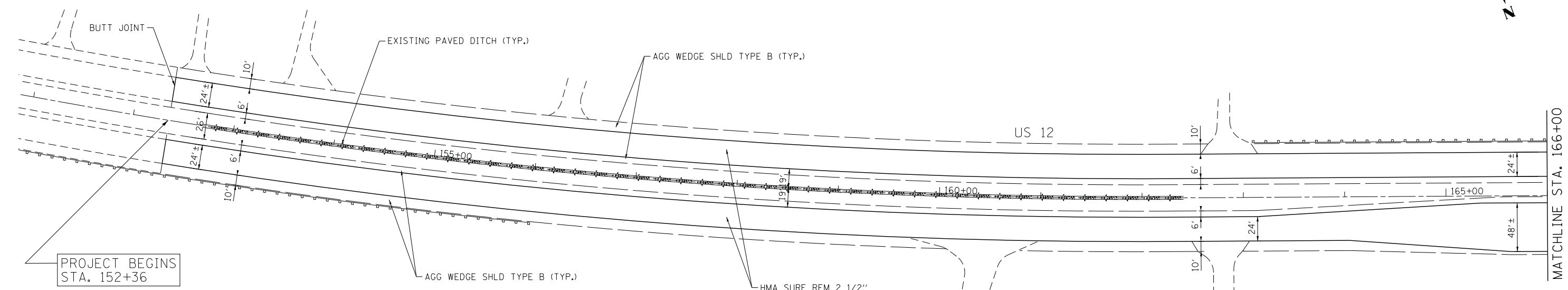
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	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

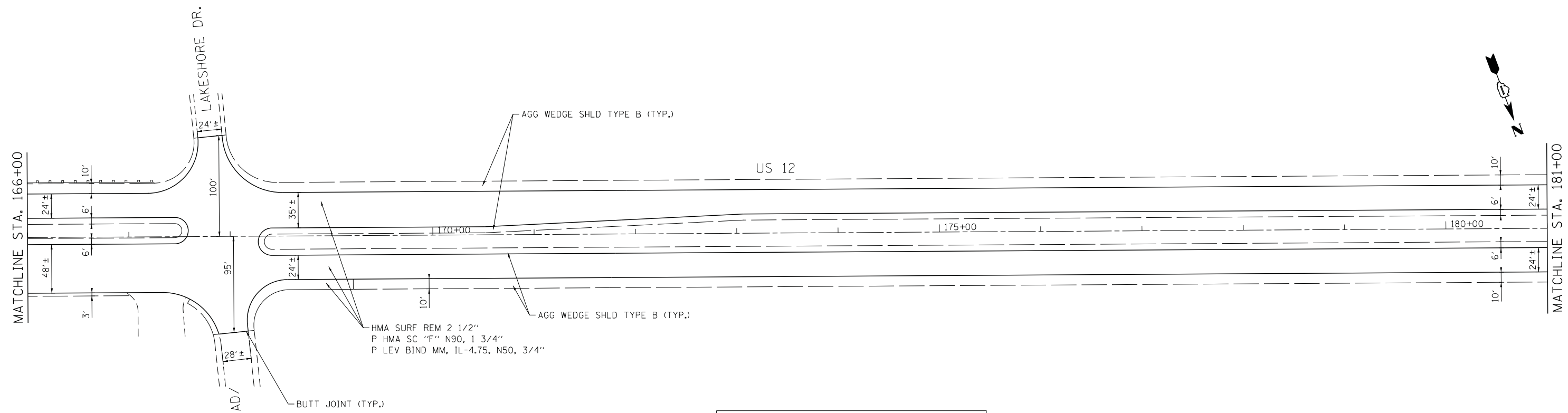
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. BEGIN TO STA. END

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	7
CONTRACT NO.			60N25	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROJECT BEGINS
STA. 152+36

MATCHLINE STA. 166+00



MATCHLINE STA. 181+00

LEGEND	
	EXISTING INLET
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 09:50:01 AM
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 PEN TABLE: standard-trans.tbl

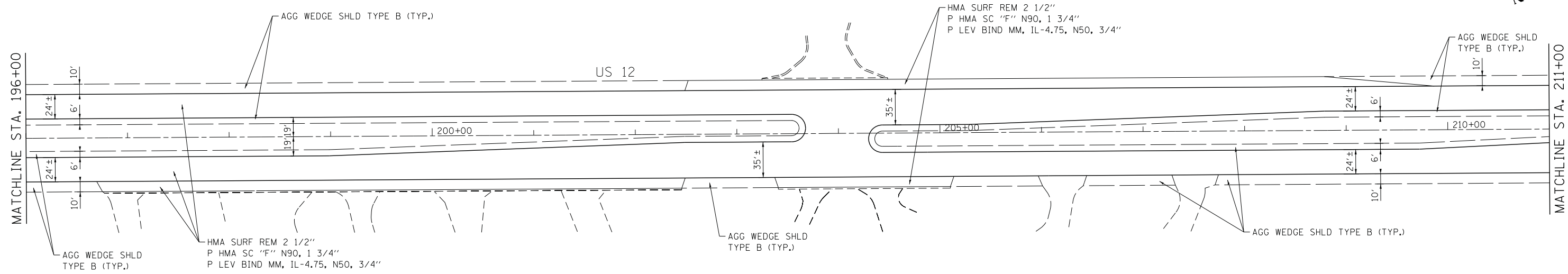
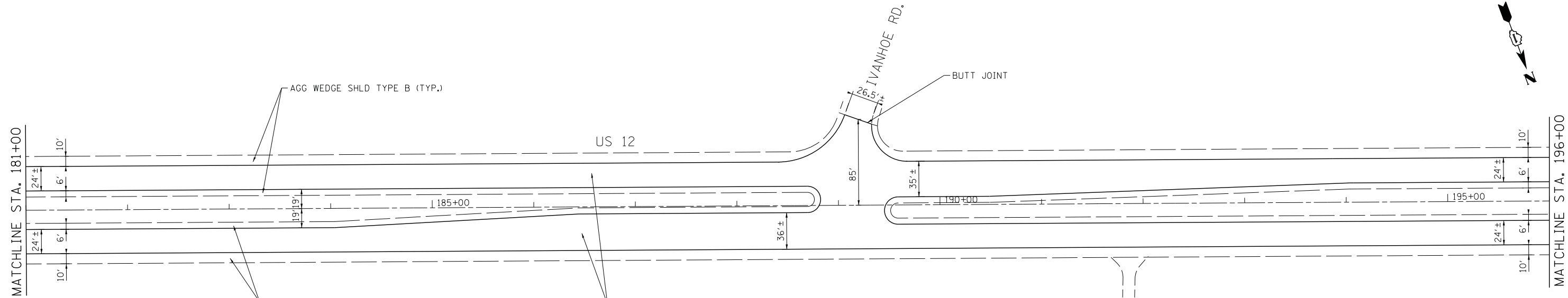


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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)
SCALE: 1" = 50' SHEET NO. 1 OF 14 SHEETS STA. BEGIN TO STA. 181+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND	
	EXISTING INLET
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 10/24/2012 9:50:04 AM
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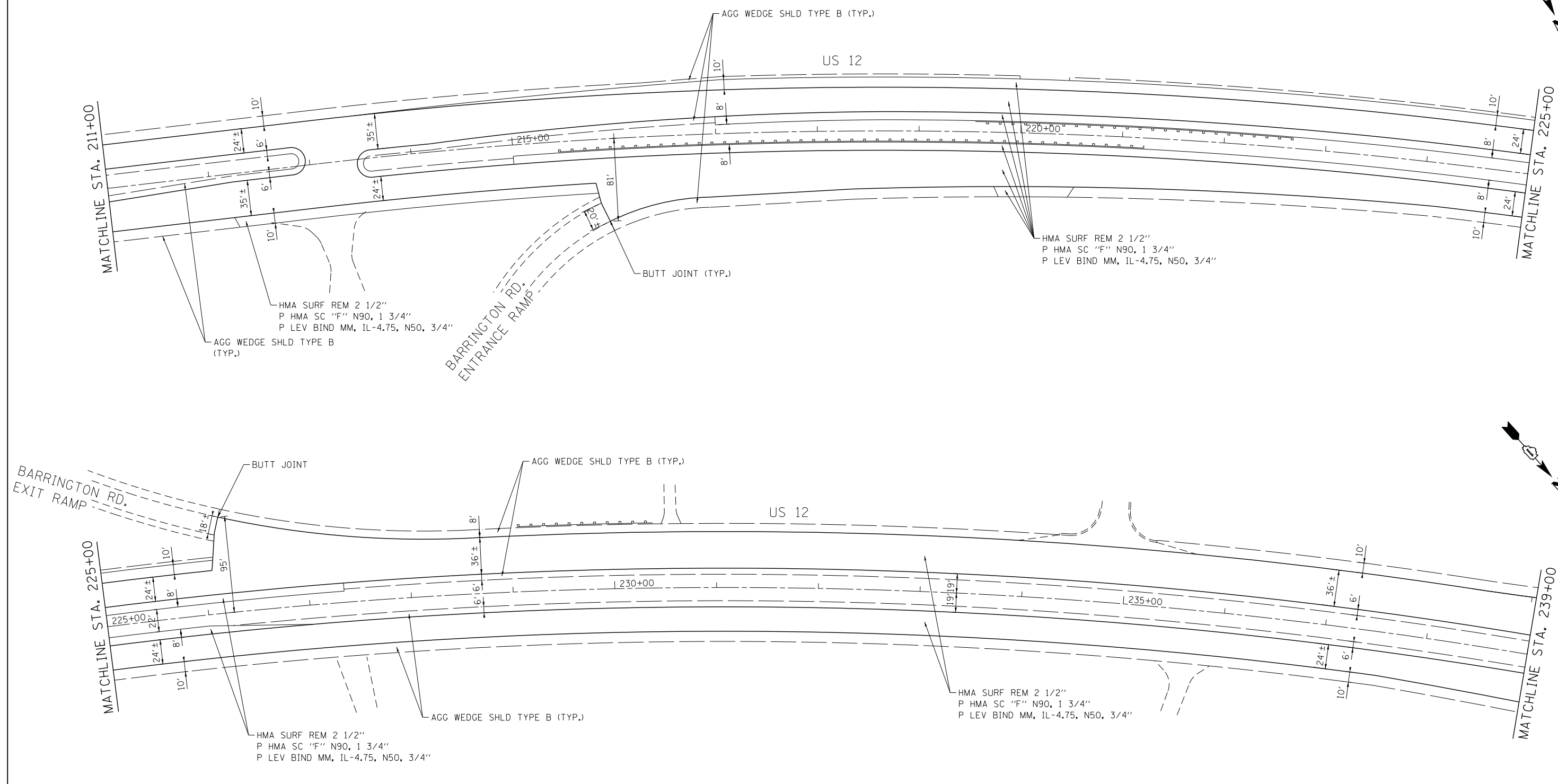
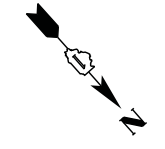


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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)
 SCALE: 1" = 50' SHEET NO. 2 OF 14 SHEETS STA. 181+00 TO STA. 211+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N25



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: [Redacted]
 DATE PLOTTED: 10/24/2012 9:50:07 AM
 FILE NAME: 861001961091-plan-01.dgn
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 PEN TABLE: standard-trans.tbl



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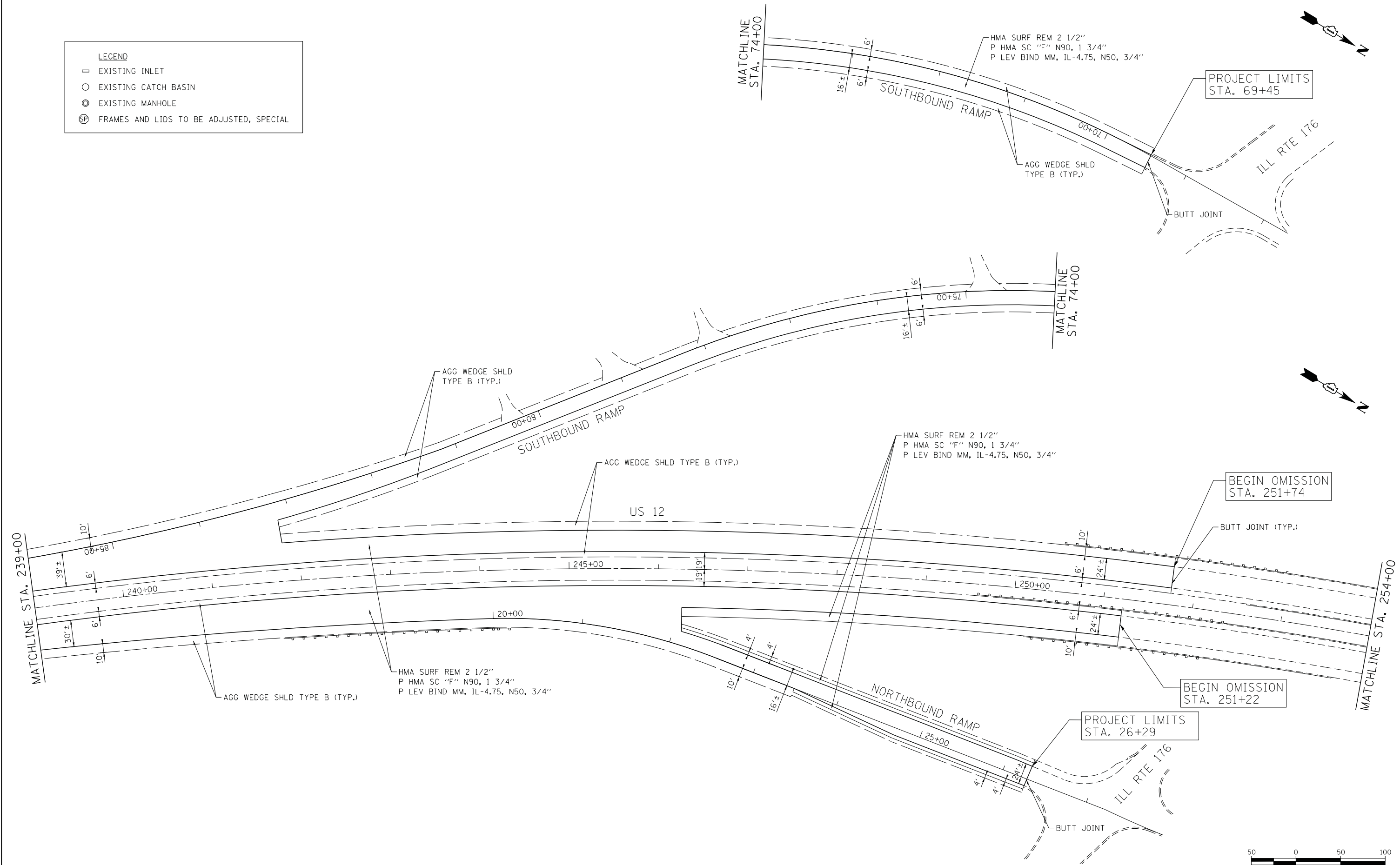
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)
 SCALE: 1" = 50' SHEET NO. 3 OF 14 SHEETS STA. 211+00 TO STA. 239+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	

LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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 PEN TABLE: standard-trans.tbl



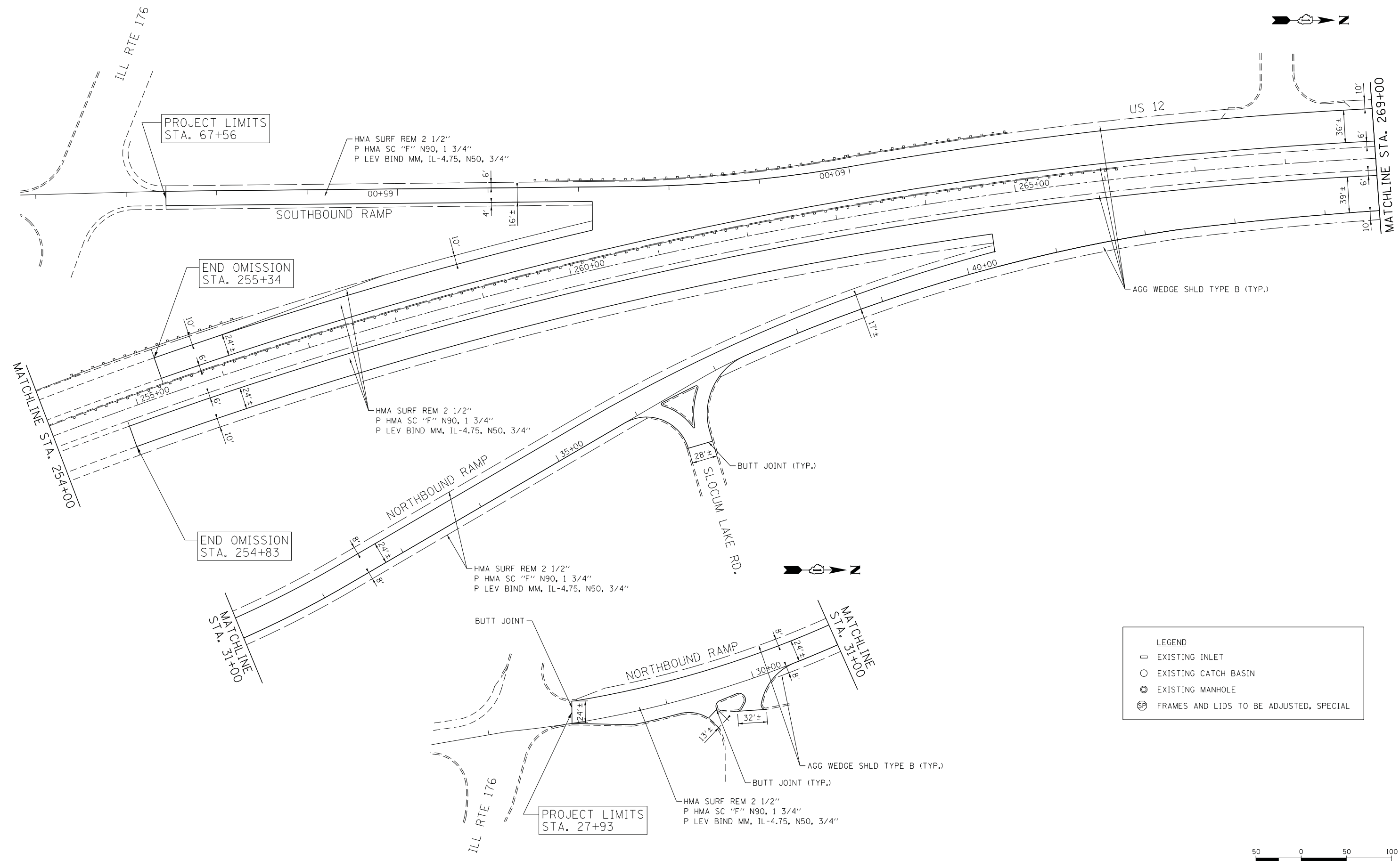
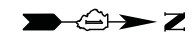
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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 4 OF 14 SHEETS STA. 239+00 TO STA. 254+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	11
CONTRACT NO. 60N25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROJECT LIMITS
STA. 67+56

END OMISSION
STA. 255+34

END OMISSION
STA. 254+83

PROJECT LIMITS
STA. 27+93

HMA SURF REM 2 1/2"
P HMA SC "F" N90, 1 3/4"
P LEV BIND MM, IL-4.75, N50, 3/4"

HMA SURF REM 2 1/2"
P HMA SC "F" N90, 1 3/4"
P LEV BIND MM, IL-4.75, N50, 3/4"

HMA SURF REM 2 1/2"
P HMA SC "F" N90, 1 3/4"
P LEV BIND MM, IL-4.75, N50, 3/4"

HMA SURF REM 2 1/2"
P HMA SC "F" N90, 1 3/4"
P LEV BIND MM, IL-4.75, N50, 3/4"

LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: spn@hrgreen.com
 DATE PLOTTED: 10/24/2012 09:53:12 AM
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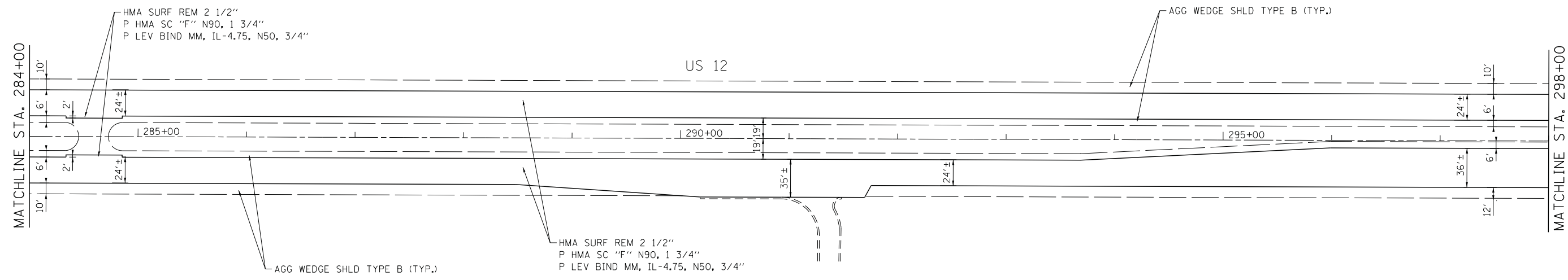
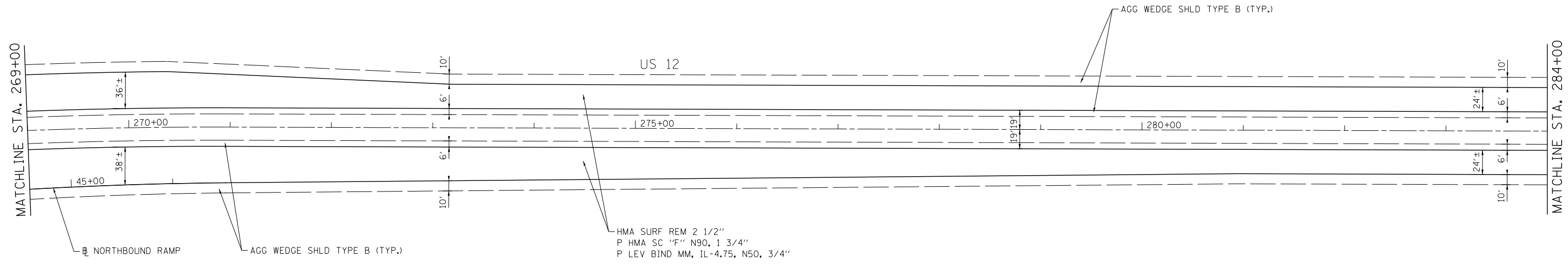
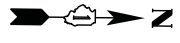


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	DRAWN - SMP	REVISED -
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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)
 SCALE: 1" = 50' SHEET NO. 5 OF 14 SHEETS STA. 254+00 TO STA. 266+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND

- ▭ EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 10/24/2012 9:53:05 AM
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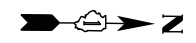
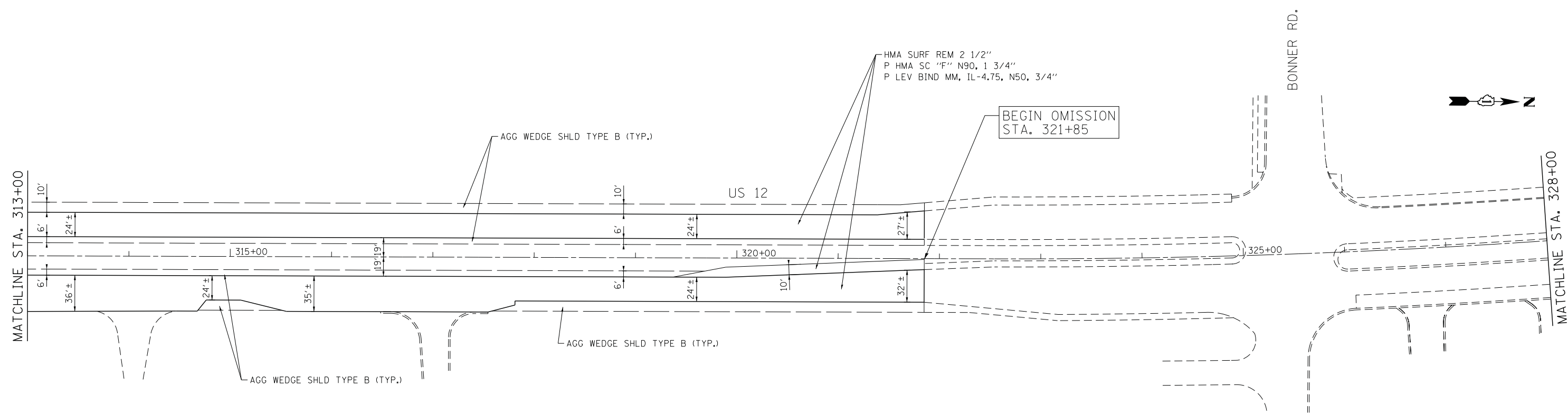
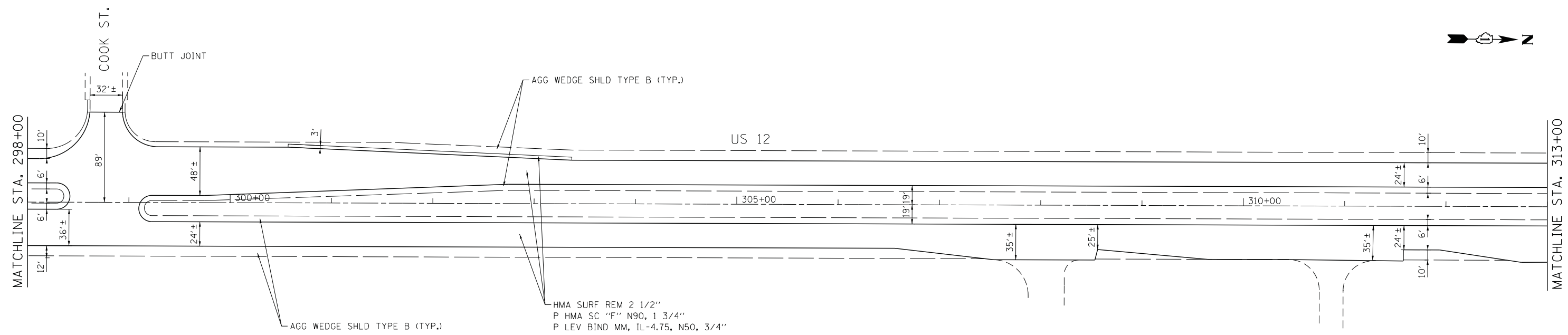
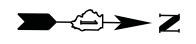
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	DRAWN - SMP	REVISED -
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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 6 OF 14 SHEETS STA. 269+00 TO STA. 298+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND

- ⊖ EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 9:53:18 AM
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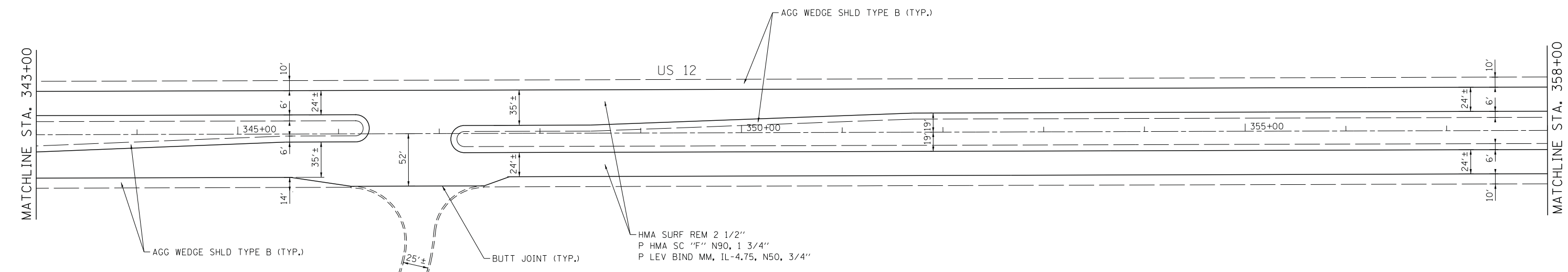
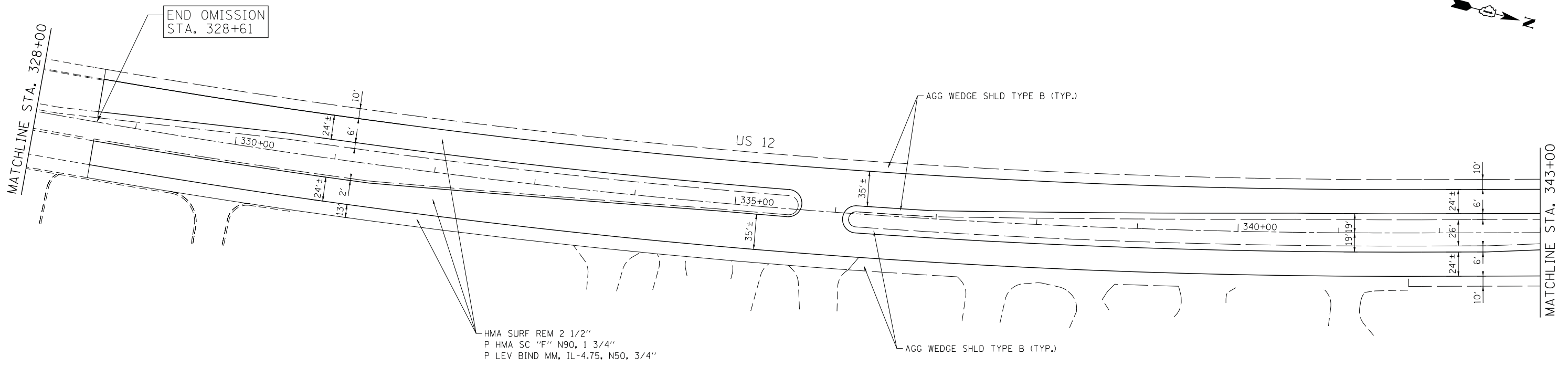
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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 7 OF 14 SHEETS STA. 298+00 TO STA. 328+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	14
CONTRACT NO. 60N25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND	
	EXISTING INLET
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
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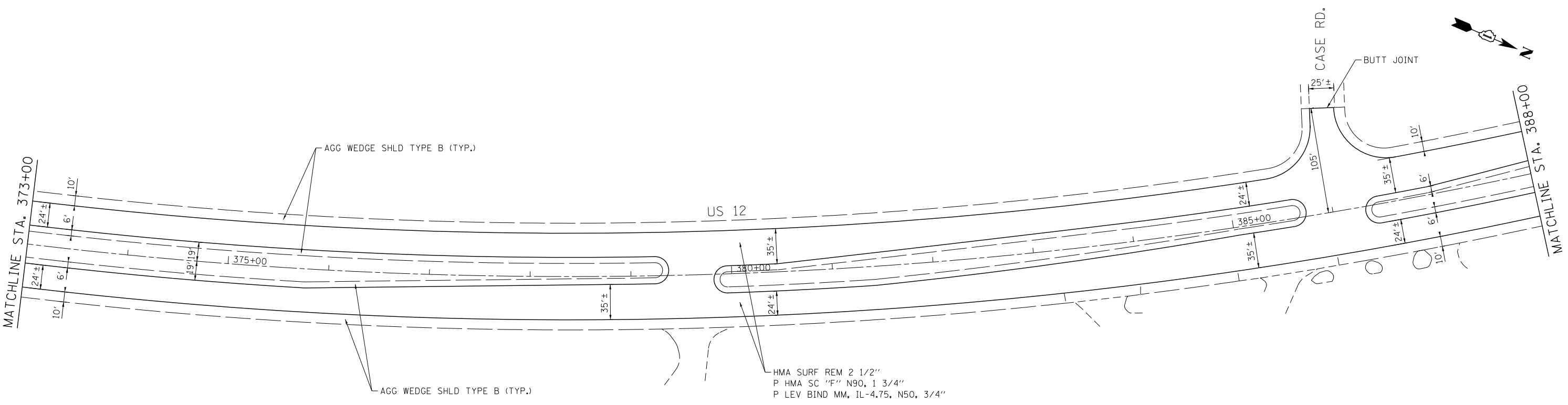
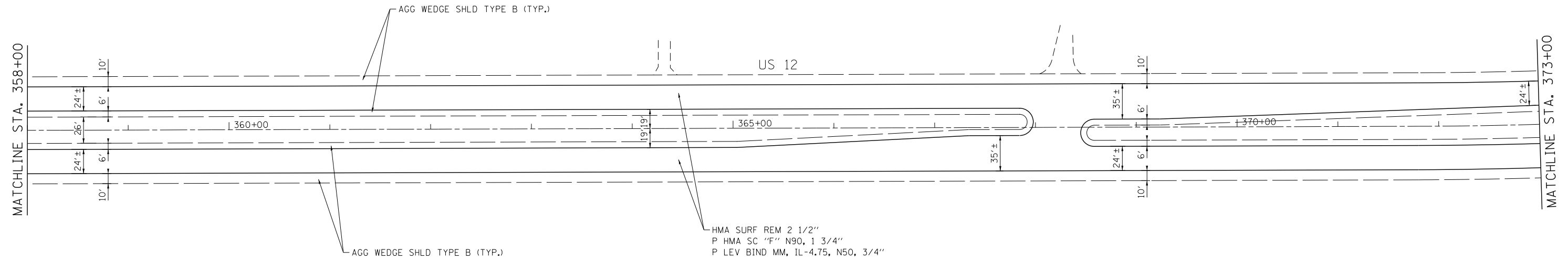


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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)
 SCALE: 1" = 50' SHEET NO. 8 OF 14 SHEETS STA. 328+00 TO STA. 358+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 9:52:23 AM
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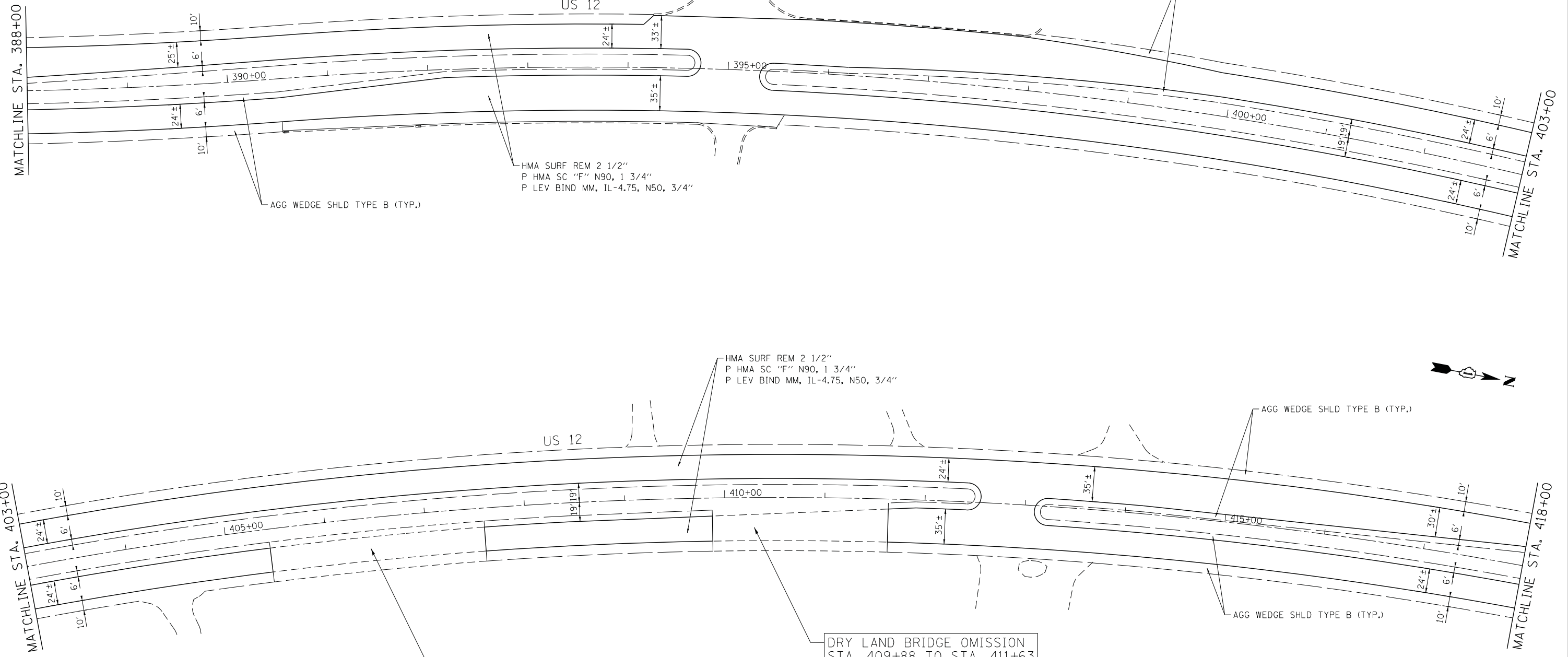
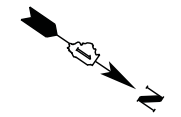
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PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 9 OF 14 SHEETS STA. 358+00 TO STA. 388+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	16
FED. ROAD DIST. NO.			CONTRACT NO. 60N25	
ILLINOIS FED. AID PROJECT				



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 9:52:25 AM
 FILE NAME: 86100196109-plan-05.dgn
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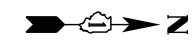
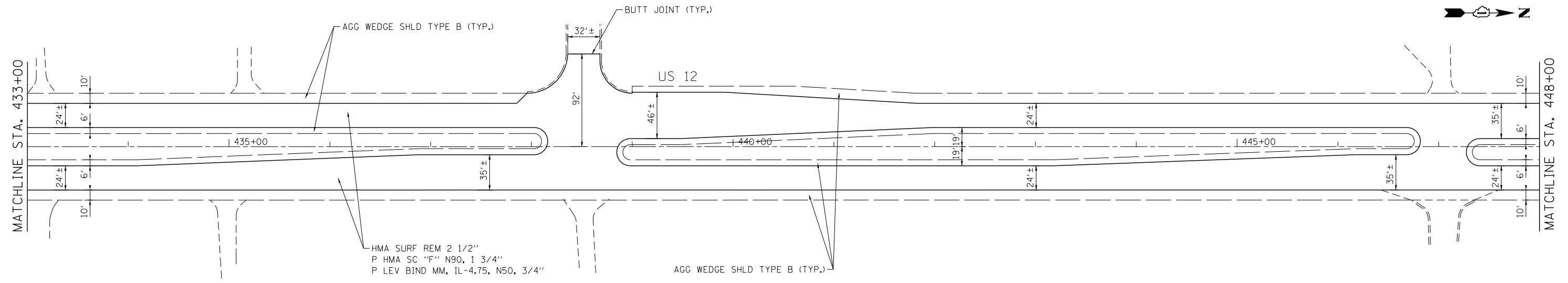
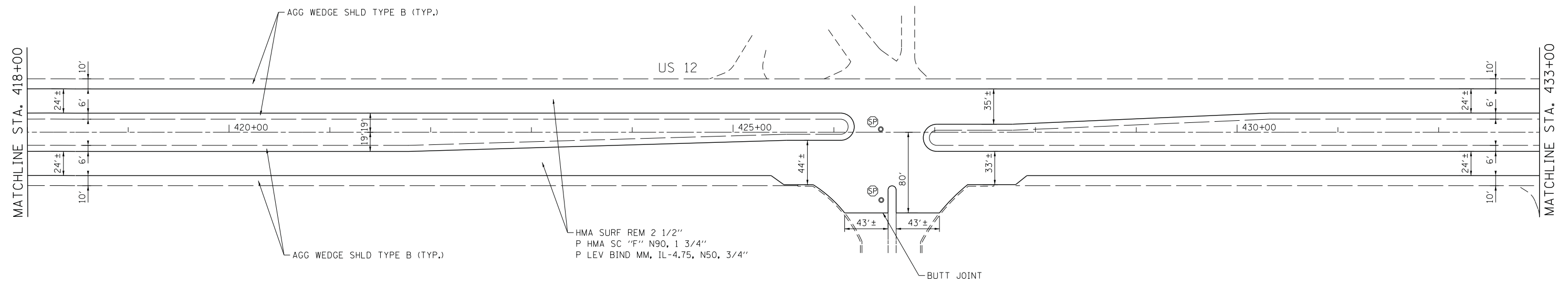
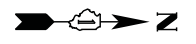


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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)
 SCALE: 1" = 50' SHEET NO. 10 OF 14 SHEETS STA. 388+00 TO STA. 418+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND	
	EXISTING INLET
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 9:52:29 AM
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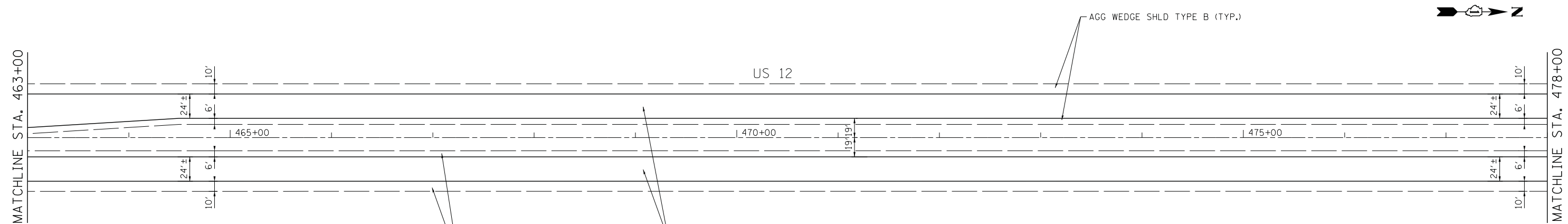
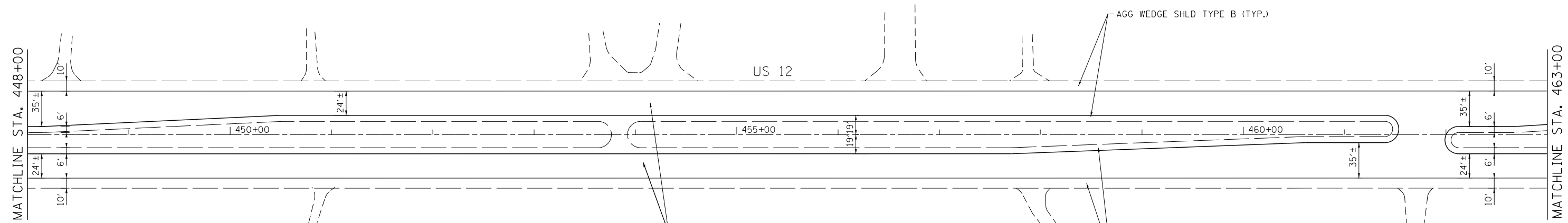
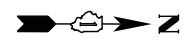


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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)
 SCALE: 1" = 50' SHEET NO. 11 OF 14 SHEETS STA. 418+00 TO STA. 448+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60N25	



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 10/24/2012 9:53:32 AM
 FILE NAME: 46100196.dwg
 PLOT DRIVER: pldrvr
 PEN TABLE: standard-trans.tbl



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	DRAWN - SMP	REVISED -
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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

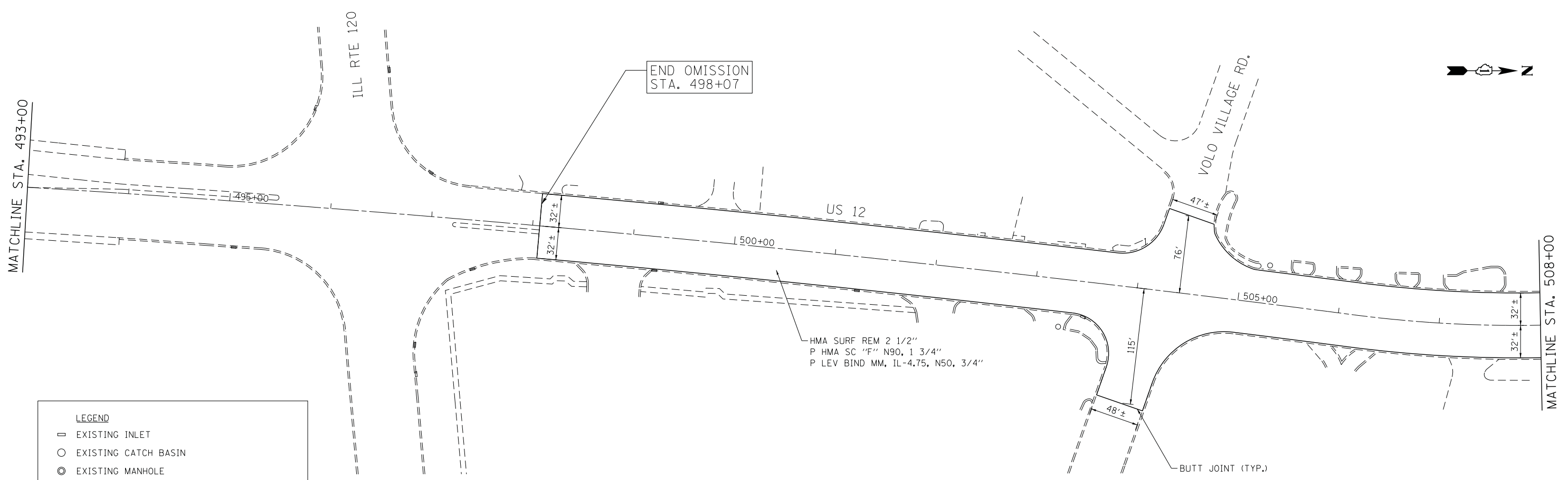
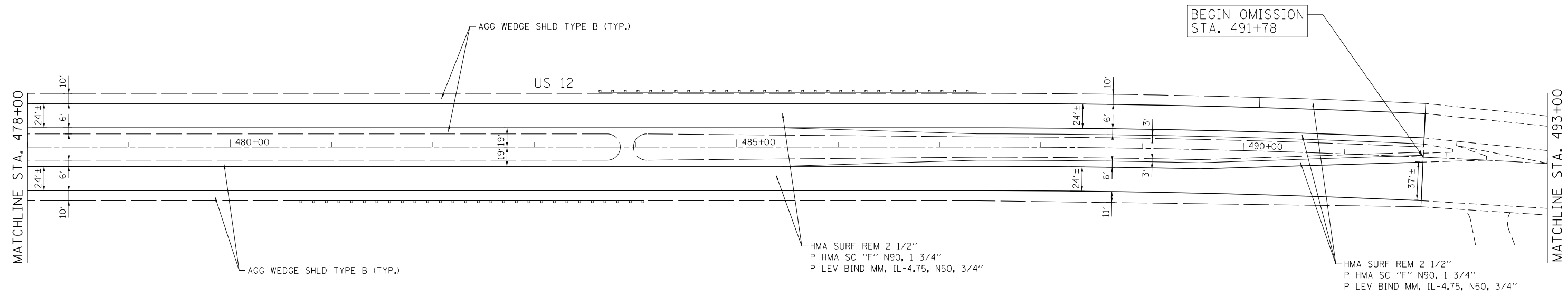
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 12 OF 14 SHEETS STA. 448+00 TO STA. 478+00



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 09:53:14 AM
 FILE NAME: 861001961091plan-12.dgn
 PLOT DRIVER: pafplot
 PEN TABLE: standard-trans.tbl



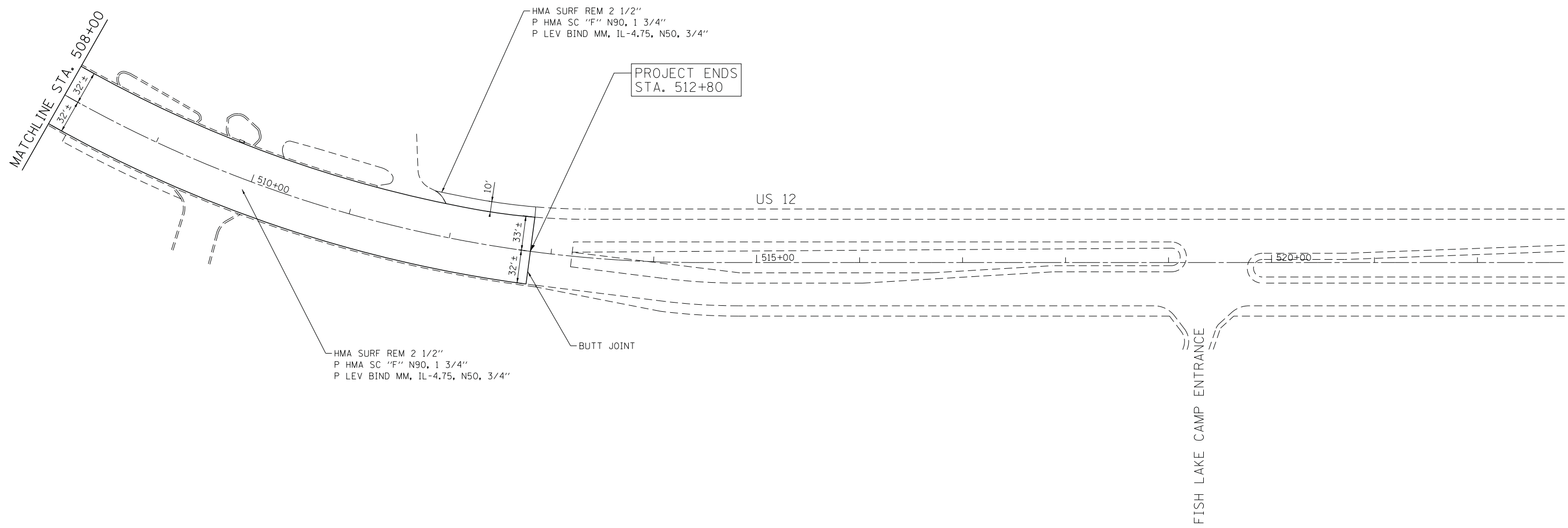
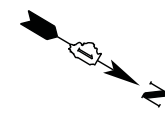
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	DRAWN - SMP	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TEH	REVISED -
PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 13 OF 14 SHEETS STA. 478+00 TO STA. 508+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



HMA SURF REM 2 1/2"
 P HMA SC "F" N90, 1 3/4"
 P LEV BIND MM, IL-4.75, N50, 3/4"

PROJECT ENDS
 STA. 512+80

HMA SURF REM 2 1/2"
 P HMA SC "F" N90, 1 3/4"
 P LEV BIND MM, IL-4.75, N50, 3/4"

BUTT JOINT

LEGEND	
□	EXISTING INLET
○	EXISTING CATCH BASIN
●	EXISTING MANHOLE
⊕	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 9:53:37 AM
 FILE NAME: 86100196.09 plan-11.dgn
 PLOT DRIVER: pafait
 PEN TABLE: standard-trans.tbl



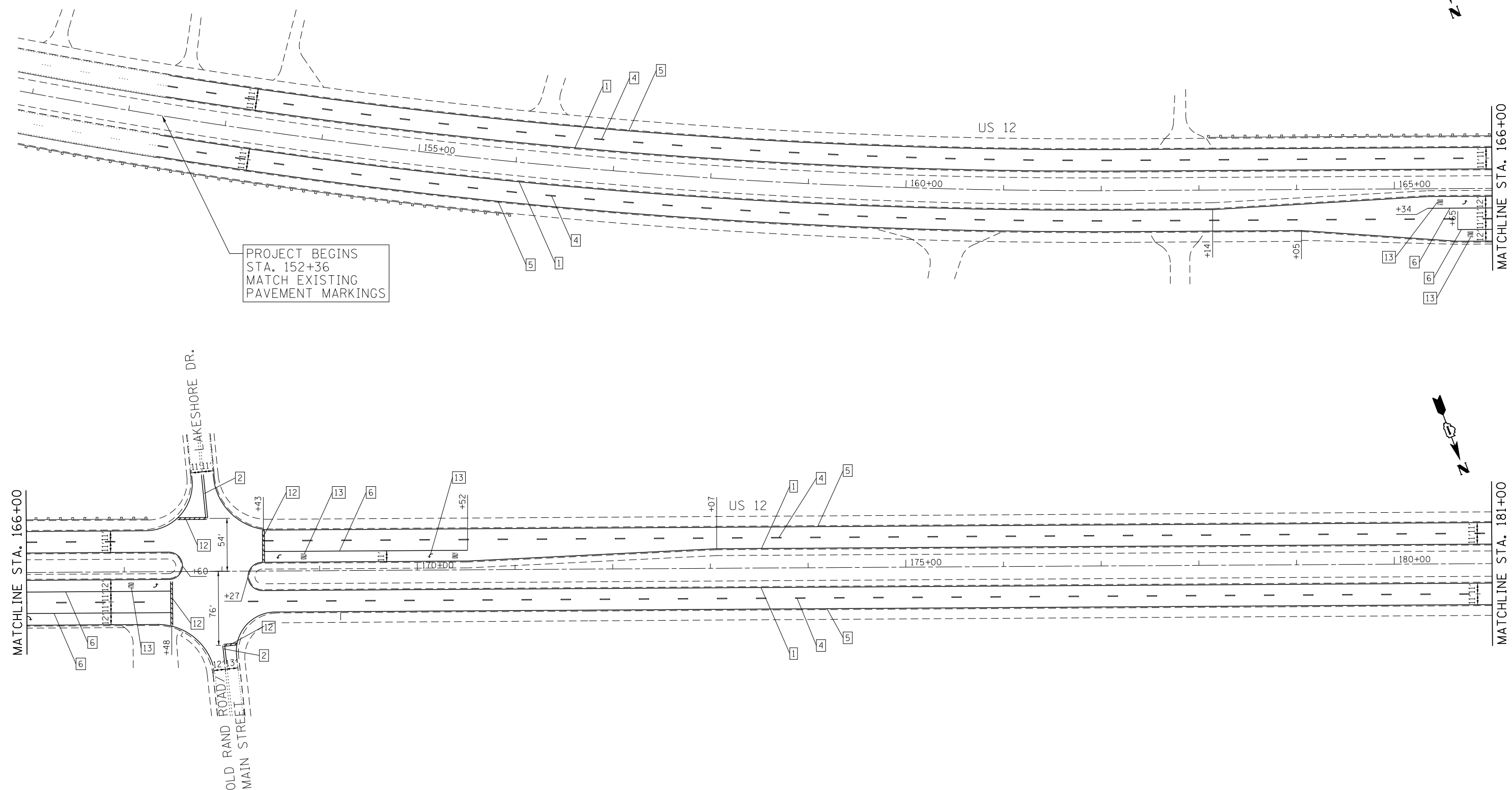
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	DRAWN - SMP	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TEH	REVISED -
PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 14 OF 14 SHEETS STA. 508+00 TO STA. END

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	21
CONTRACT NO.			60N25	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND	
1	LINE 4" (YELLOW SOLID LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)
5	LINE 4" (WHITE SOLID LINE)
6	LINE 6" (WHITE SOLID LINE)
7	LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8	LINE 8" (WHITE SOLID LINE)
9	LINE 12" (WHITE SOLID LINE)
10	LINE 12" (WHITE DIAGONAL LINE)
11	LINE 12" (YELLOW DIAGONAL LINE)
12	LINE 24" (WHITE STOP BAR)
13	LETTERS AND SYMBOLS (TYP.)
14	LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP)

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: sp@hrgreen.com
 DATE PLOTTED: 10/24/2012 9:53:40 AM
 FILE NAME: 86100196.09 pm-01.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: standard-trans.tbl



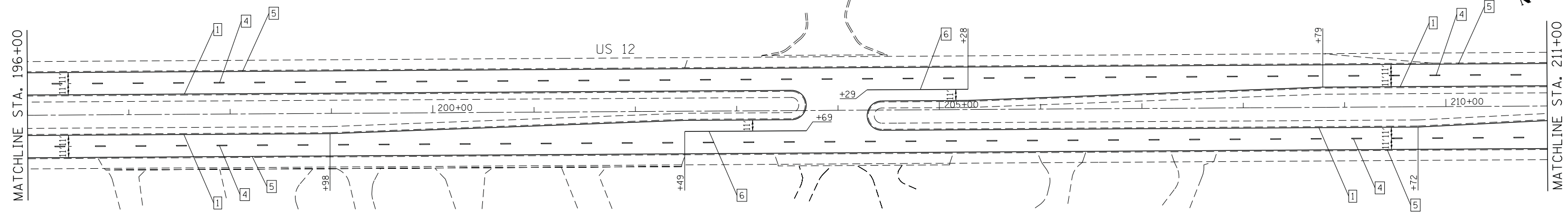
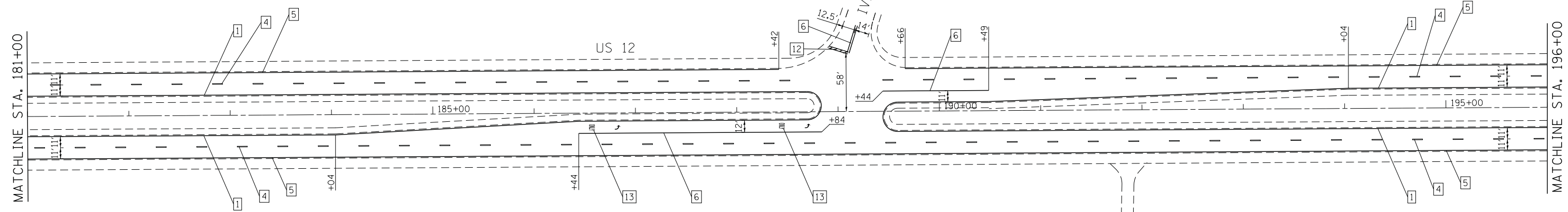
USER NAME = sp@hrgreen.com	DESIGNED - CMH	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - SMP	REVISED -
PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' | SHEET NO. 1 OF 14 SHEETS | STA. BEGIN TO STA. 181+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	60N25



LEGEND					
1	LINE 4" (YELLOW SOLID LINE)	5	LINE 4" (WHITE SOLID LINE)	10	LINE 12" (WHITE DIAGONAL LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)	6	LINE 6" (WHITE SOLID LINE)	11	LINE 12" (YELLOW DIAGONAL LINE)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7	LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	12	LINE 24" (WHITE STOP BAR)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	8	LINE 8" (WHITE SOLID LINE)	13	LETTERS AND SYMBOLS (TYP.)
		9	LINE 12" (WHITE SOLID LINE)	14	LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP)

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: spernal
 DATE PLOTTED: 10/24/2012 9:54:42 AM
 FILE NAME: 96100196109 pm-02.dgn
 PLOT DRIVER: pdfeprt
 PEN TABLE: standard-trans.tbl



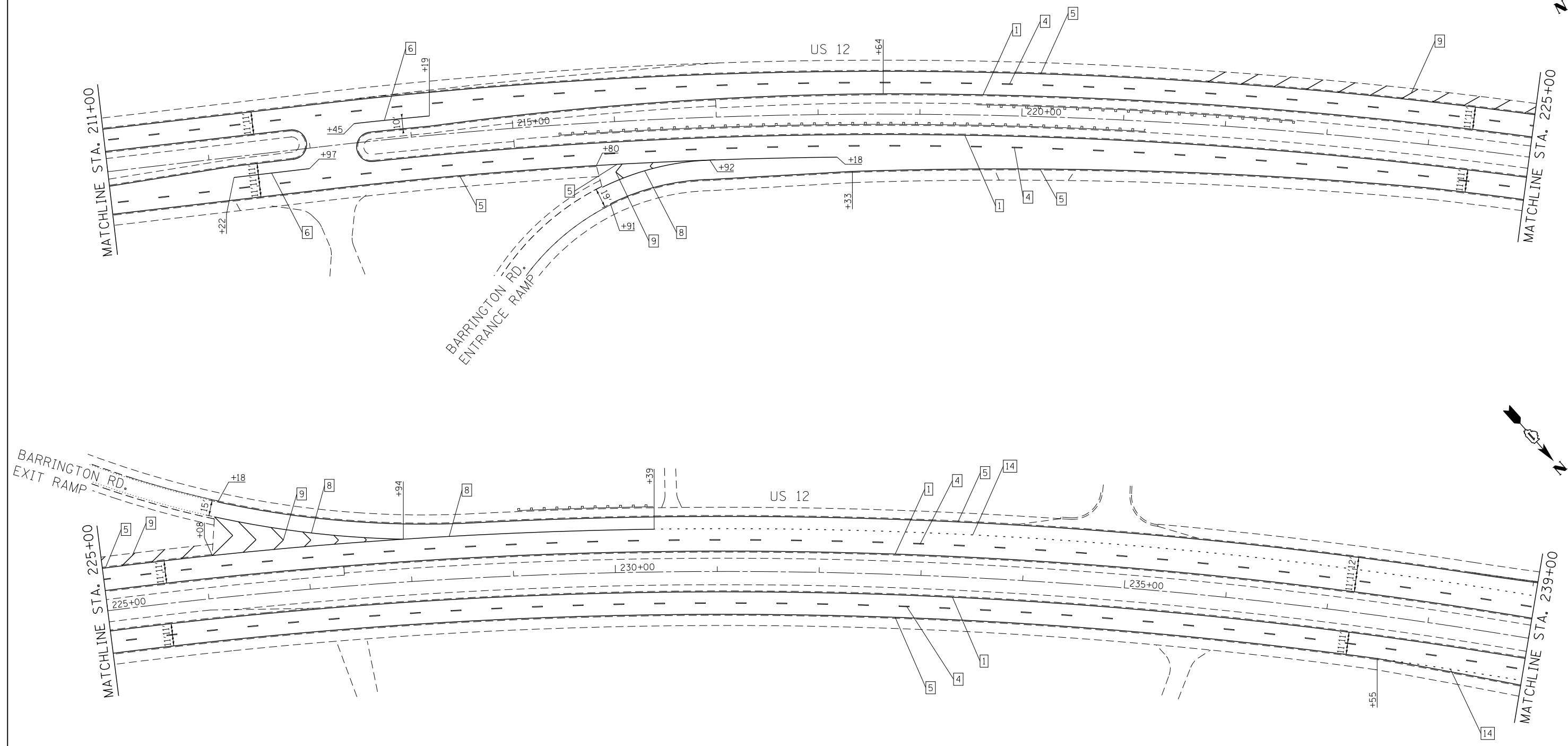
USER NAME = spernal	DESIGNED - CMH	REVISED -
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PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 2 OF 14 SHEETS STA. 181+00 TO STA. 211+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE STOP BAR) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | 14 LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: spurnal
 DATE PLOTTED: 10/24/2012 9:54:45 AM
 FILE NAME: 86100196.09.plt
 PLOT DRIVER: pdcfpl
 PEN TABLE: standard-trans.tbl



USER NAME = spurnal	DESIGNED - CMH	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - SMP	REVISED -
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	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

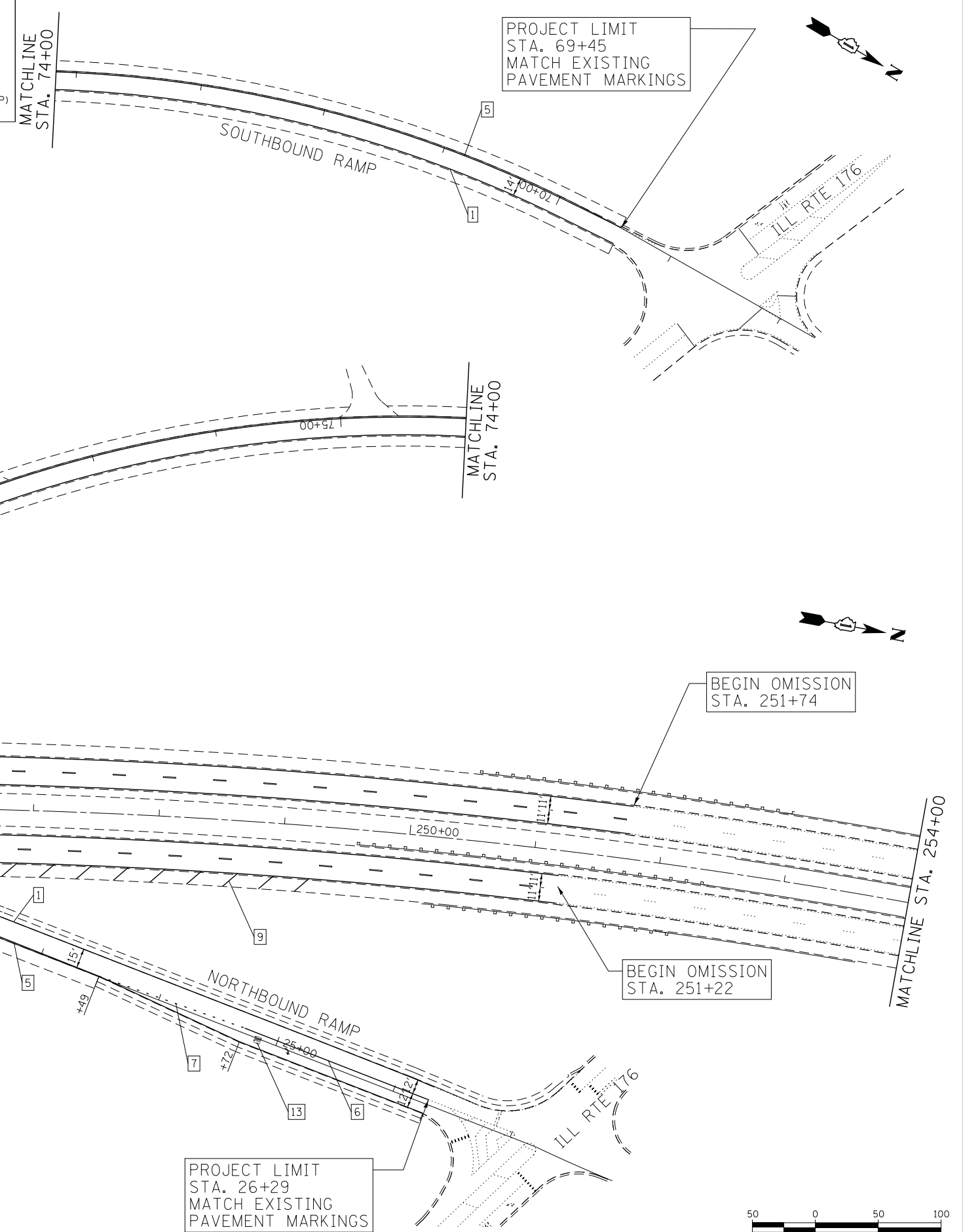
**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 3 OF 14 SHEETS STA. 211+00 TO STA. 239+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	

LEGEND					
1	LINE 4" (YELLOW SOLID LINE)	5	LINE 4" (WHITE SOLID LINE)	10	LINE 12" (WHITE DIAGONAL LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)	6	LINE 6" (WHITE SOLID LINE)	11	LINE 12" (YELLOW DIAGONAL LINE)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7	LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	12	LINE 24" (WHITE STOP BAR)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	8	LINE 8" (WHITE SOLID LINE)	13	LETTERS AND SYMBOLS (TYP.)
		9	LINE 12" (WHITE SOLID LINE)	14	LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP)

- NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
 - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 9:53:49 AM
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 PLOT DRIVER: pdcfplot
 PEN TABLE: standard-trans.tbl



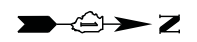
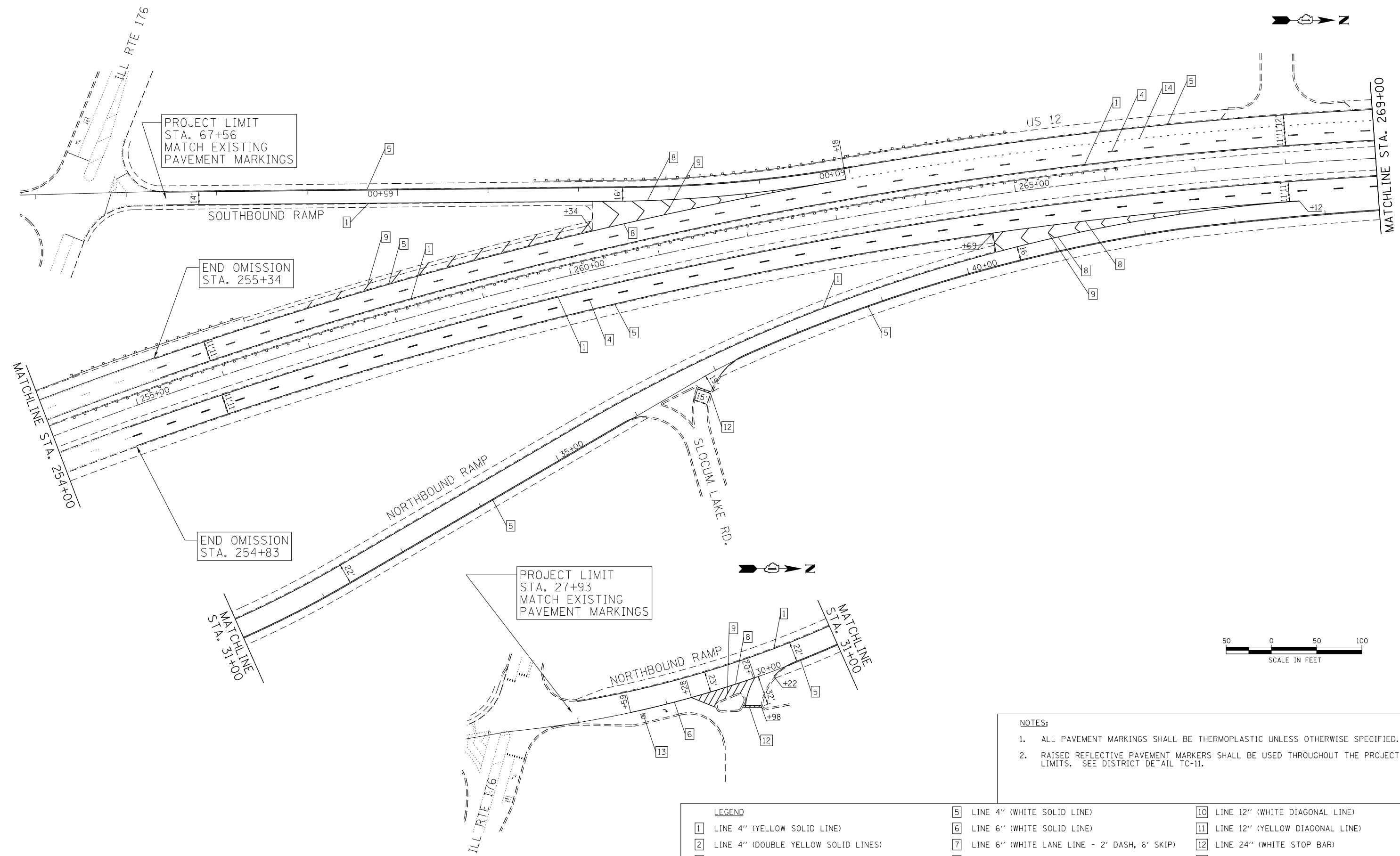
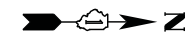
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	DRAWN - SMP	REVISED -
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PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 4 OF 14 SHEETS STA. 239+00 TO STA. 269+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	25
CONTRACT NO. 60N25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
 - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.

LEGEND	
1	LINE 4" (YELLOW SOLID LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)
5	LINE 4" (WHITE SOLID LINE)
6	LINE 6" (WHITE SOLID LINE)
7	LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8	LINE 8" (WHITE SOLID LINE)
9	LINE 12" (WHITE SOLID LINE)
10	LINE 12" (WHITE DIAGONAL LINE)
11	LINE 12" (YELLOW DIAGONAL LINE)
12	LINE 24" (WHITE STOP BAR)
13	LETTERS AND SYMBOLS (TYP.)
14	LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP)

COMPANY NAME: HRGreen
 PROJECT CONTACT: spernel
 DATE PLOTTED: 10/24/2012 9:55:51 AM
 FILE NAME: 861001961097.pn-046.dgn
 PLOT DRIVER: pdcfah
 PEN TABLE: standard-trans.tbl



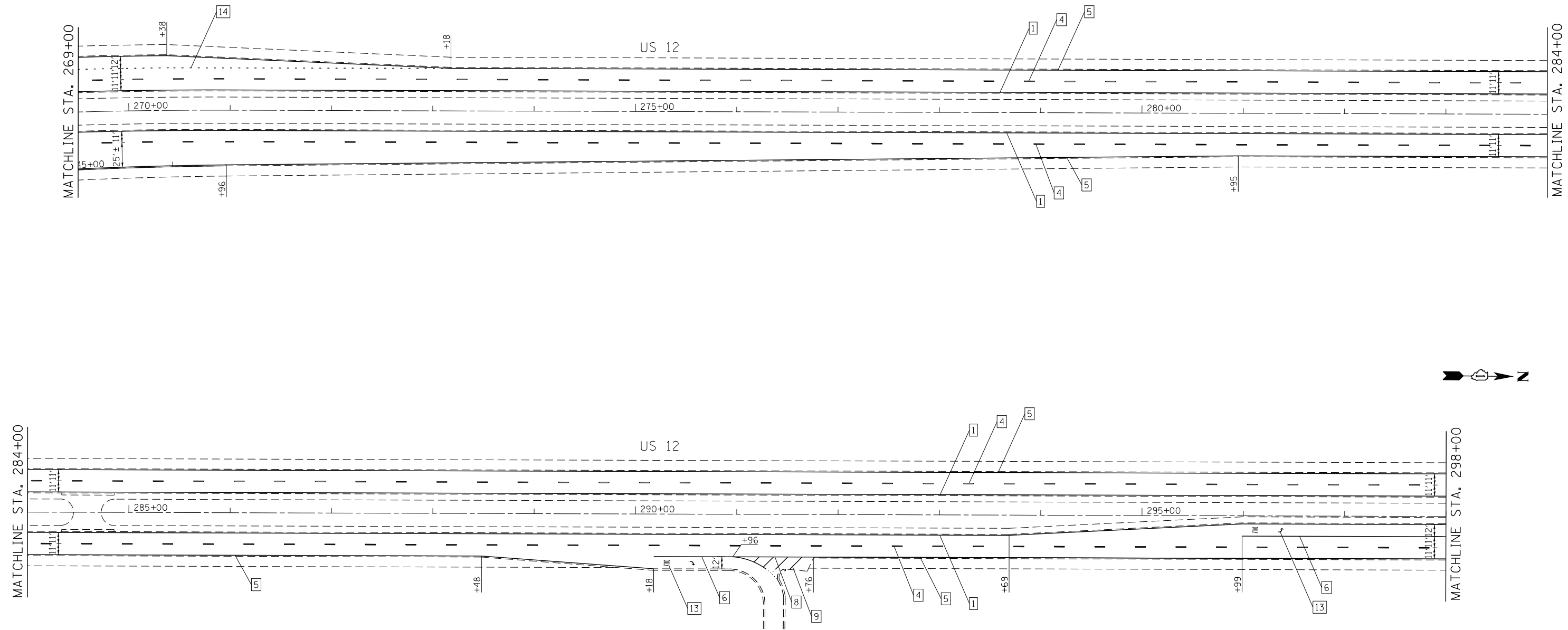
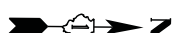
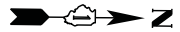
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	DRAWN - SMP	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TEH	REVISED -
PLOT DATE = 10/24/2012	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 5 OF 14 SHEETS STA. 239+00 TO STA. 269+00

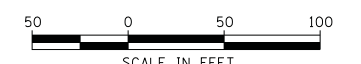
F.A. RTE. 334	SECTION TR-RS-3	COUNTY LAKE	TOTAL SHEETS 52	SHEET NO. 26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND	
1	LINE 4" (YELLOW SOLID LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)
5	LINE 4" (WHITE SOLID LINE)
6	LINE 6" (WHITE SOLID LINE)
7	LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8	LINE 8" (WHITE SOLID LINE)
9	LINE 12" (WHITE SOLID LINE)
10	LINE 12" (WHITE DIAGONAL LINE)
11	LINE 12" (YELLOW DIAGONAL LINE)
12	LINE 24" (WHITE STOP BAR)
13	LETTERS AND SYMBOLS (TYP.)
14	LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP)

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: spernal
 DATE PLOTTED: 10/24/2012 9:55:55 AM
 FILE NAME: 96100196109 pm-05.dgn
 PLOT DRIVER: pdcfah
 PEN TABLE: standard-trans.tbl



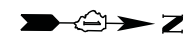
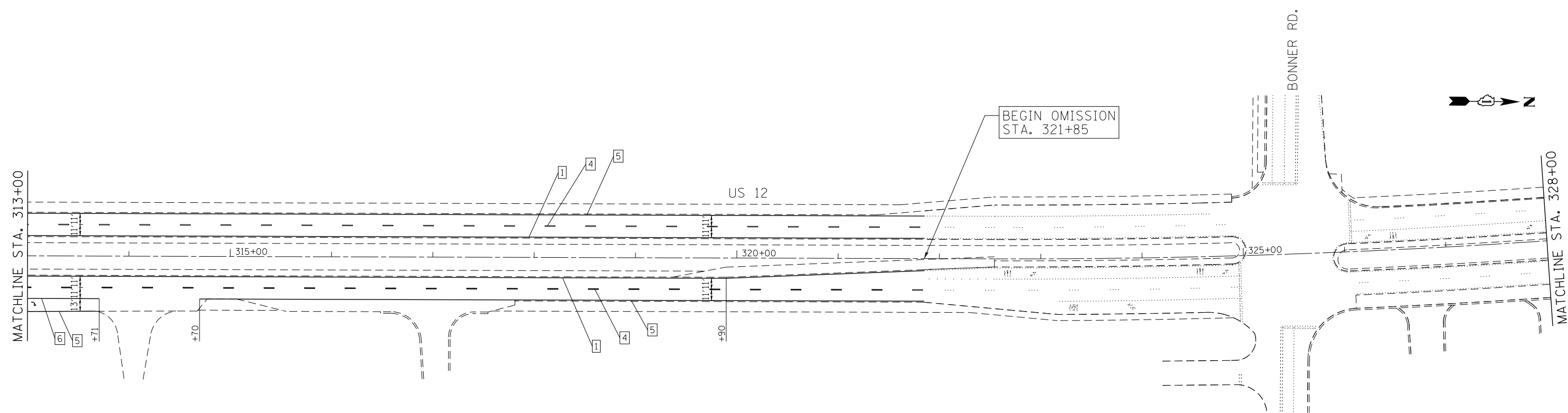
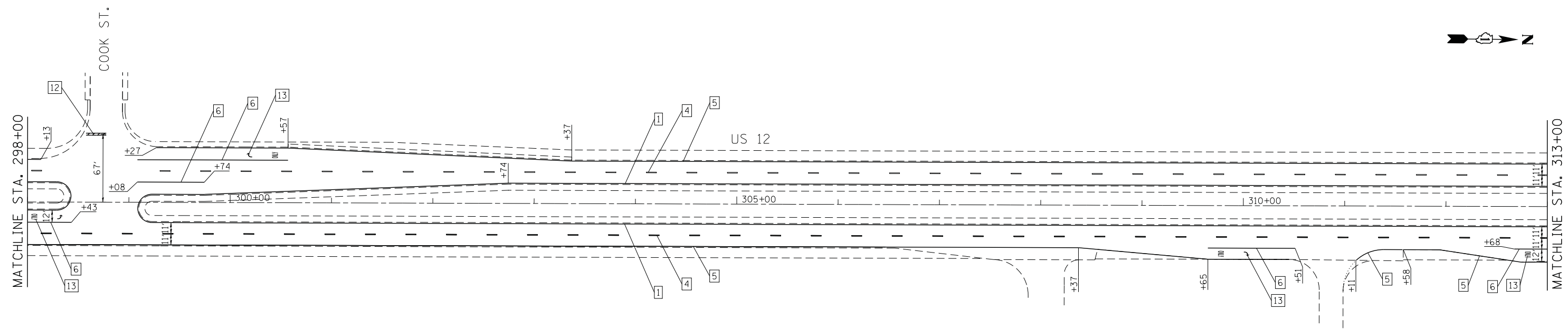
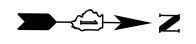
USER NAME = spernal	DESIGNED - CMH	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - SMP	REVISED -
PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 6 OF 14 SHEETS STA. 269+00 TO STA. 298+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE STOP BAR) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | 14 LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/24/2012 9:55:57 AM
 FILE NAME: 96100196109 pm-06.dgn
 PLOT DRIVER: pdcfplot
 PEN TABLE: standard-trans.tbl



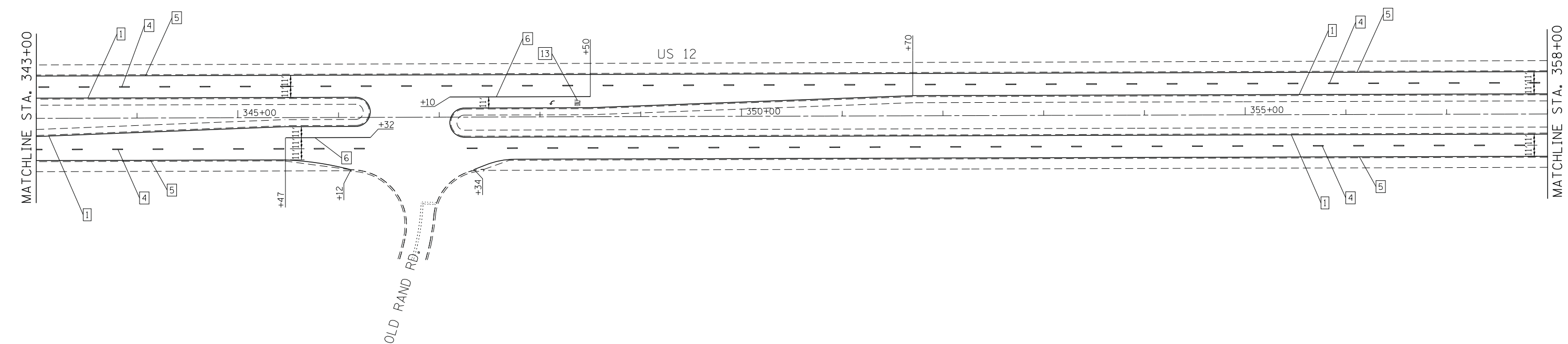
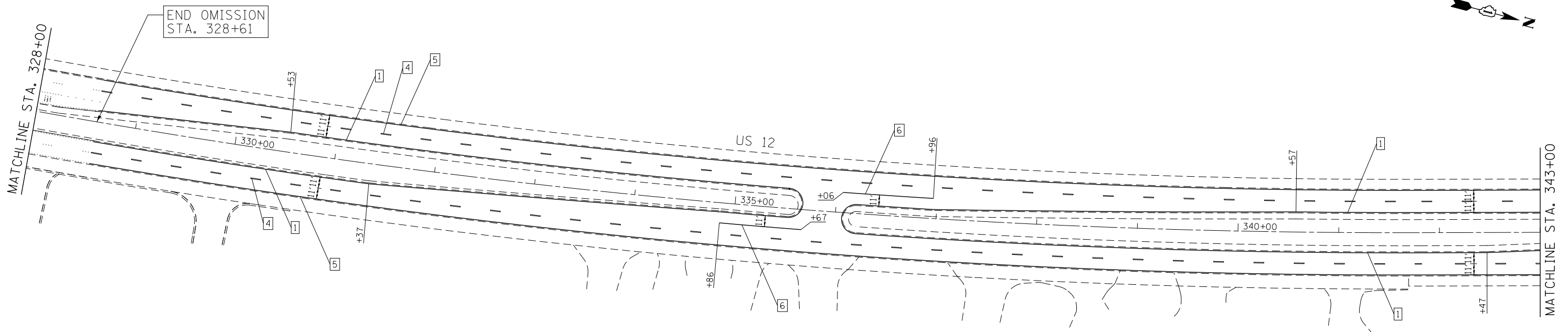
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PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 7 OF 14 SHEETS STA. 298+00 TO STA. 328+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	60N25



LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE STOP BAR) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | 14 LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 10/24/2012 9:55:59 AM
 FILE NAME: 861001961087.pn-07.dgn
 PLOT DRIVER: pdcfplot
 PEN TABLE: standard-trans.tbl



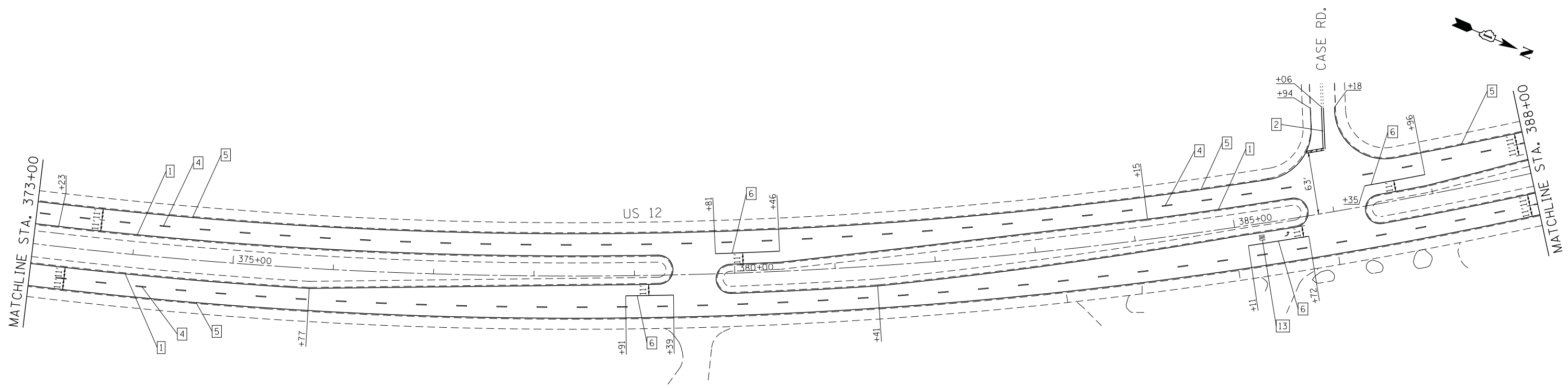
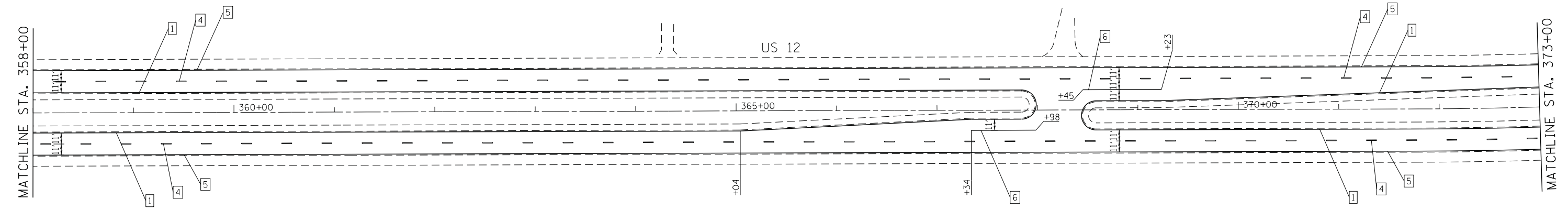
USER NAME = spenel	DESIGNED - CMH	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - SMP	REVISED -
PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 8 OF 14 SHEETS STA. 328+00 TO STA. 358+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE STOP BAR) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | 14 LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: sp@hrgreen.com
 DATE PLOTTED: 10/24/2012 9:54:02 AM
 FILE NAME: 86100196.09 pm-08.dgn
 PLOT DRIVER: pdcfplot
 PEN TABLE: standard-trans.tbl



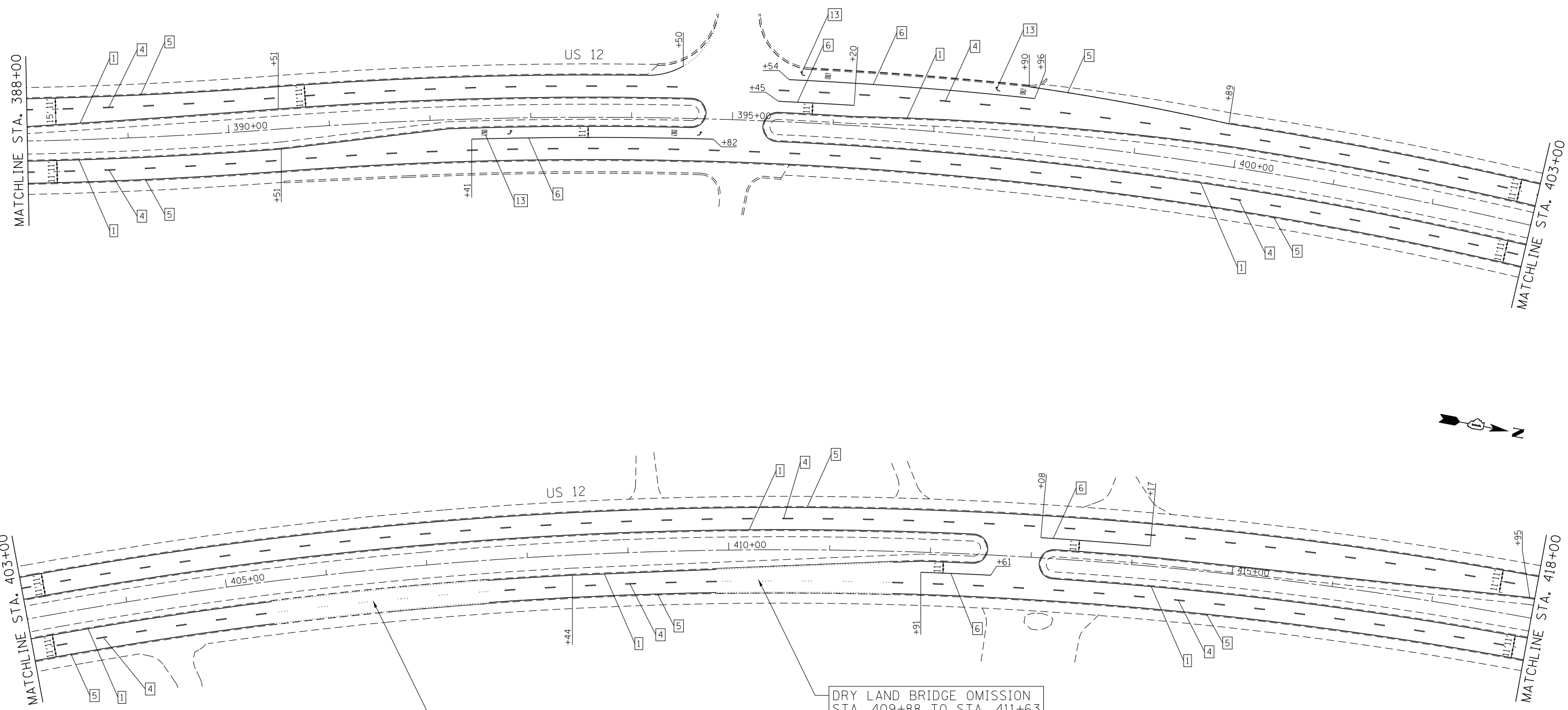
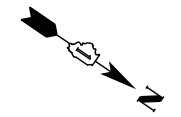
USER NAME = sp@hrgreen.com	DESIGNED - CMH	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - SMP	REVISED -
PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)

SCALE: 1" = 50' SHEET NO. 9 OF 14 SHEETS STA. 358+00 TO STA. 388+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND	
1	LINE 4" (YELLOW SOLID LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)
5	LINE 4" (WHITE SOLID LINE)
6	LINE 6" (WHITE SOLID LINE)
7	LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8	LINE 8" (WHITE SOLID LINE)
9	LINE 12" (WHITE SOLID LINE)
10	LINE 12" (WHITE DIAGONAL LINE)
11	LINE 12" (YELLOW DIAGONAL LINE)
12	LINE 24" (WHITE STOP BAR)
13	LETTERS AND SYMBOLS (TYP.)
14	LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP)

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: spurnal
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 FILE NAME: 86100196.087.pn-09.dgn
 PLOT DRIVER: pdflat
 PEN TABLE: standard-trans.tbl



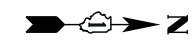
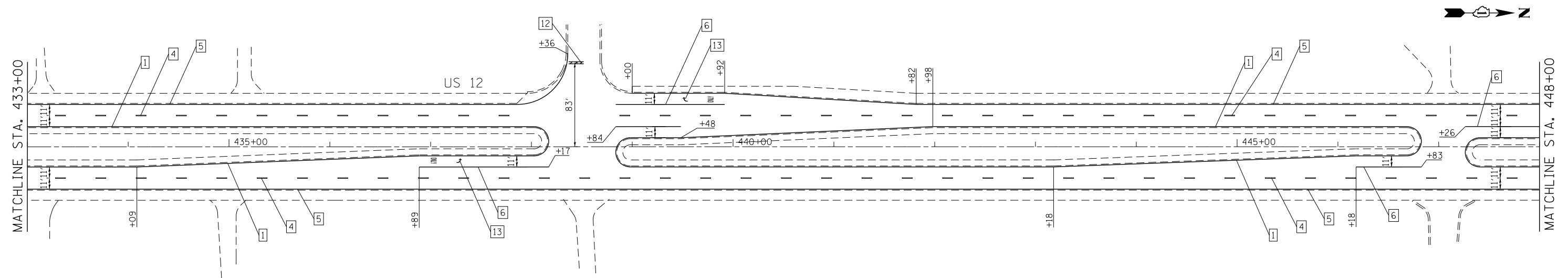
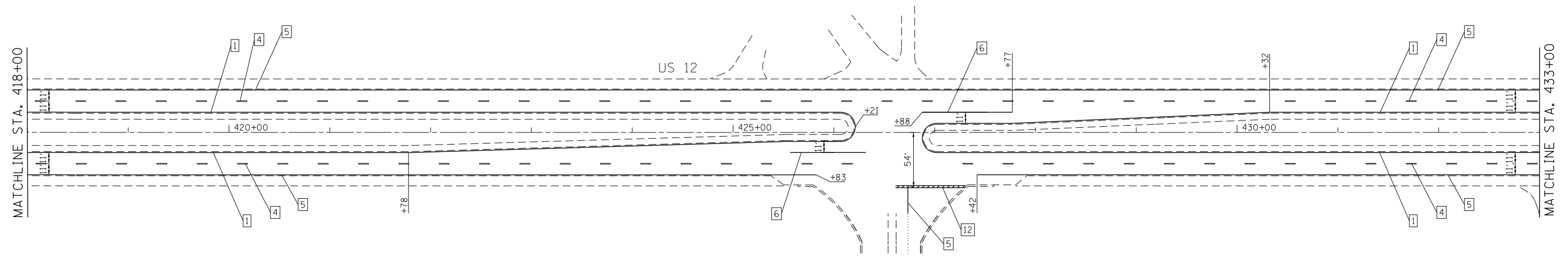
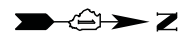
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PLOT SCALE = 1" = 50'	DRAWN - SMP	REVISED -
PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 10 OF 14 SHEETS STA. 388+00 TO STA. 418+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	



LEGEND

- 1 LINE 4" (YELLOW SOLID LINE)
- 2 LINE 4" (DOUBLE YELLOW SOLID LINES)
- 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP)
- 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)
- 5 LINE 4" (WHITE SOLID LINE)
- 6 LINE 6" (WHITE SOLID LINE)
- 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
- 8 LINE 8" (WHITE SOLID LINE)
- 9 LINE 12" (WHITE SOLID LINE)
- 10 LINE 12" (WHITE DIAGONAL LINE)
- 11 LINE 12" (YELLOW DIAGONAL LINE)
- 12 LINE 24" (WHITE STOP BAR)
- 13 LETTERS AND SYMBOLS (TYP.)
- 14 LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP)

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: spernal
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 FILE NAME: 96100196109 pm-10.dgn
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 PEN TABLE: standard-trans.tbl



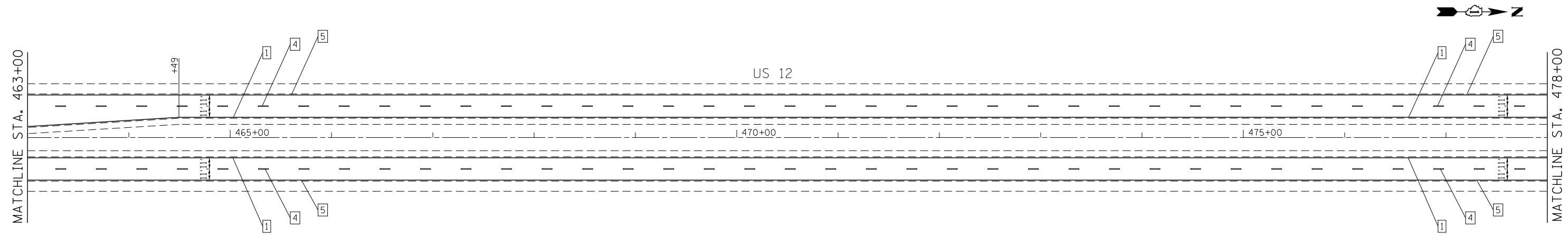
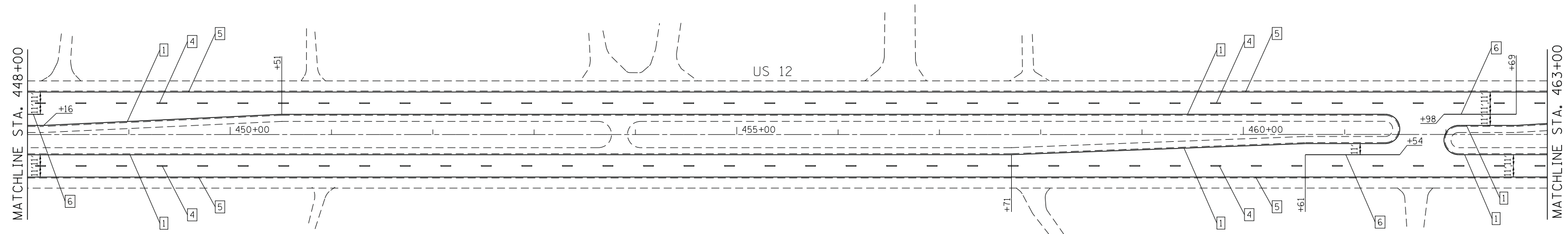
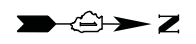
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PLOT SCALE = 1" = 50'	DRAWN - SMP	REVISED -
PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 11 OF 14 SHEETS STA. 418+00 TO STA. 448+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	

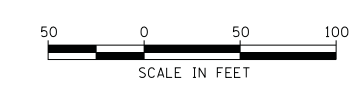


LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE STOP BAR) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | 14 LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
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 PLOT DRIVER: pdcfplot
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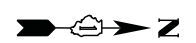
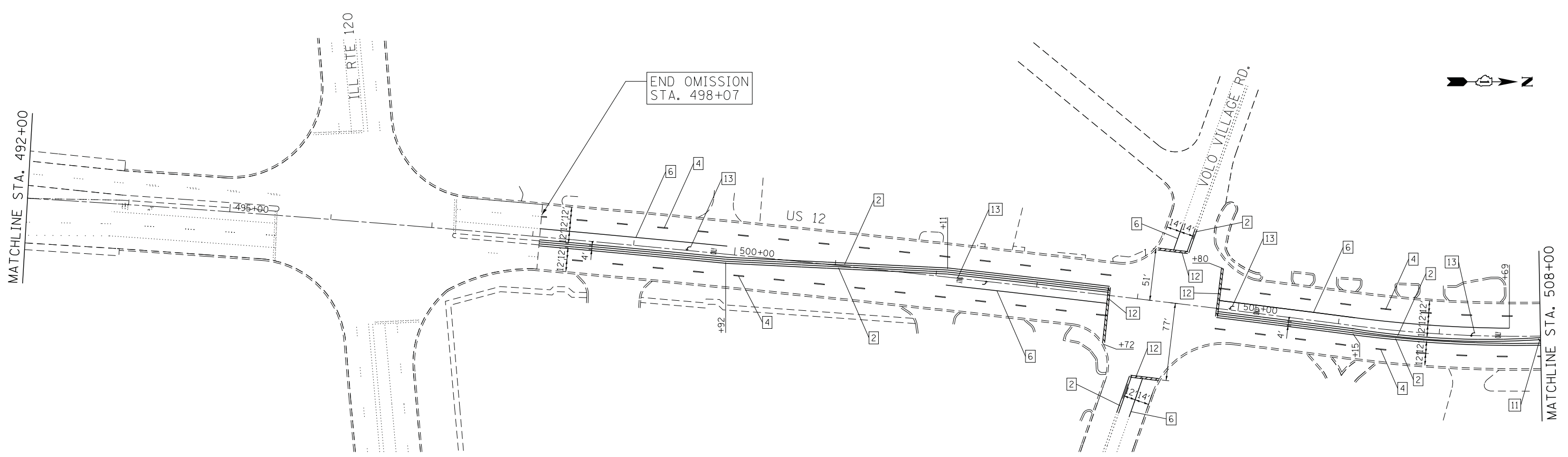
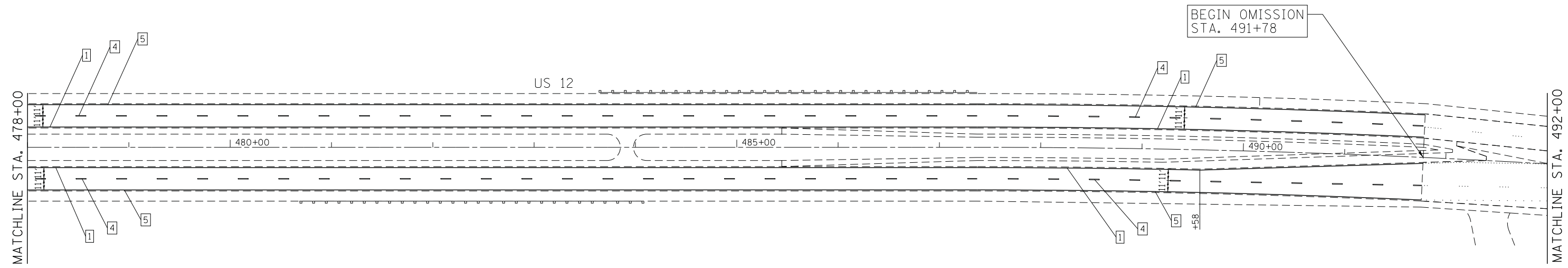
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PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

SCALE: 1" = 50' SHEET NO. 12 OF 14 SHEETS STA. 448+00 TO STA. 478+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	

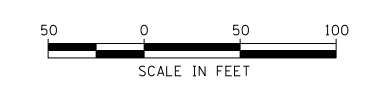


LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE STOP BAR) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | 14 LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: sp@hrgreen.com
 DATE PLOTTED: 10/24/2012 9:54:12 AM
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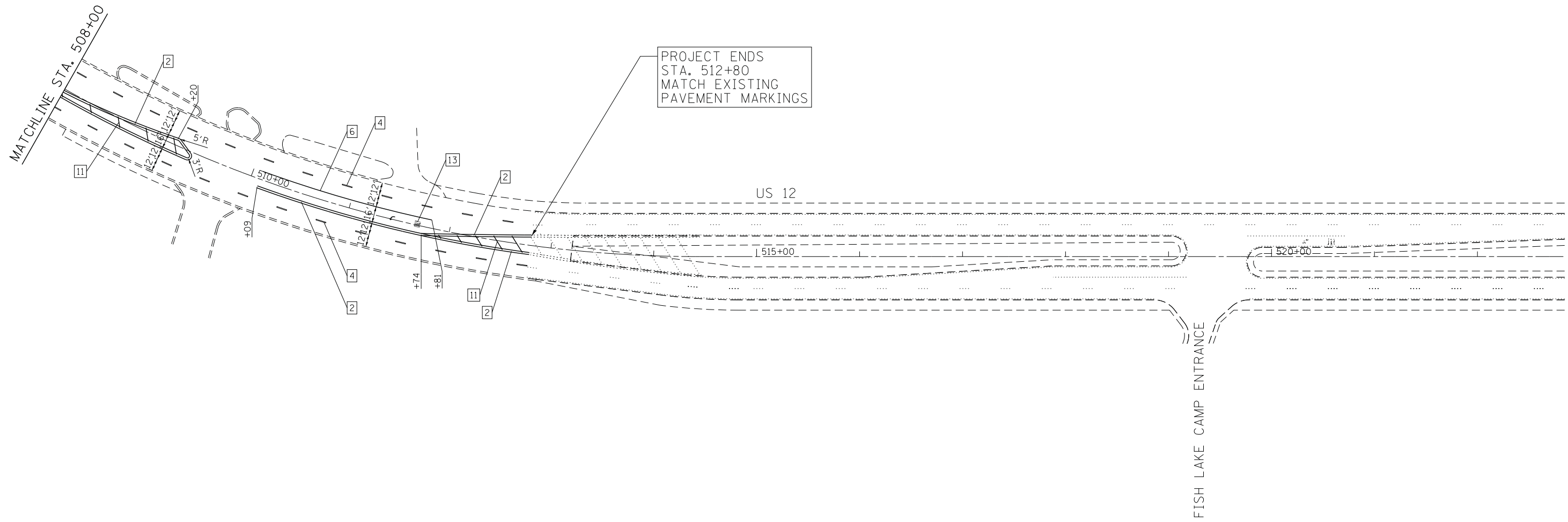
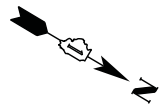


USER NAME = sp@hrgreen.com	DESIGNED - CMH	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - SMP	REVISED -
PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN	
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)	
SCALE: 1" = 50'	SHEET NO. 13 OF 14 SHEETS
STA. 478+00	TO STA. 508+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	60N25



LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE STOP BAR) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | 14 LINE 8" (WHITE LANE LINE - 2' DASH, 6' SKIP) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE PROJECT LIMITS IN ACCORDANCE WITH DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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 FILE NAME: 86100196109 pm-11.dgn
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 PEN TABLE: standard-trans.tbl



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PLOT DATE = 10/24/2012	CHECKED - TEH	REVISED -
	DATE - 10/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
U.S. ROUTE 12 (OLD RAND RD/MAIN STREET TO FISH LAKE RD.)**

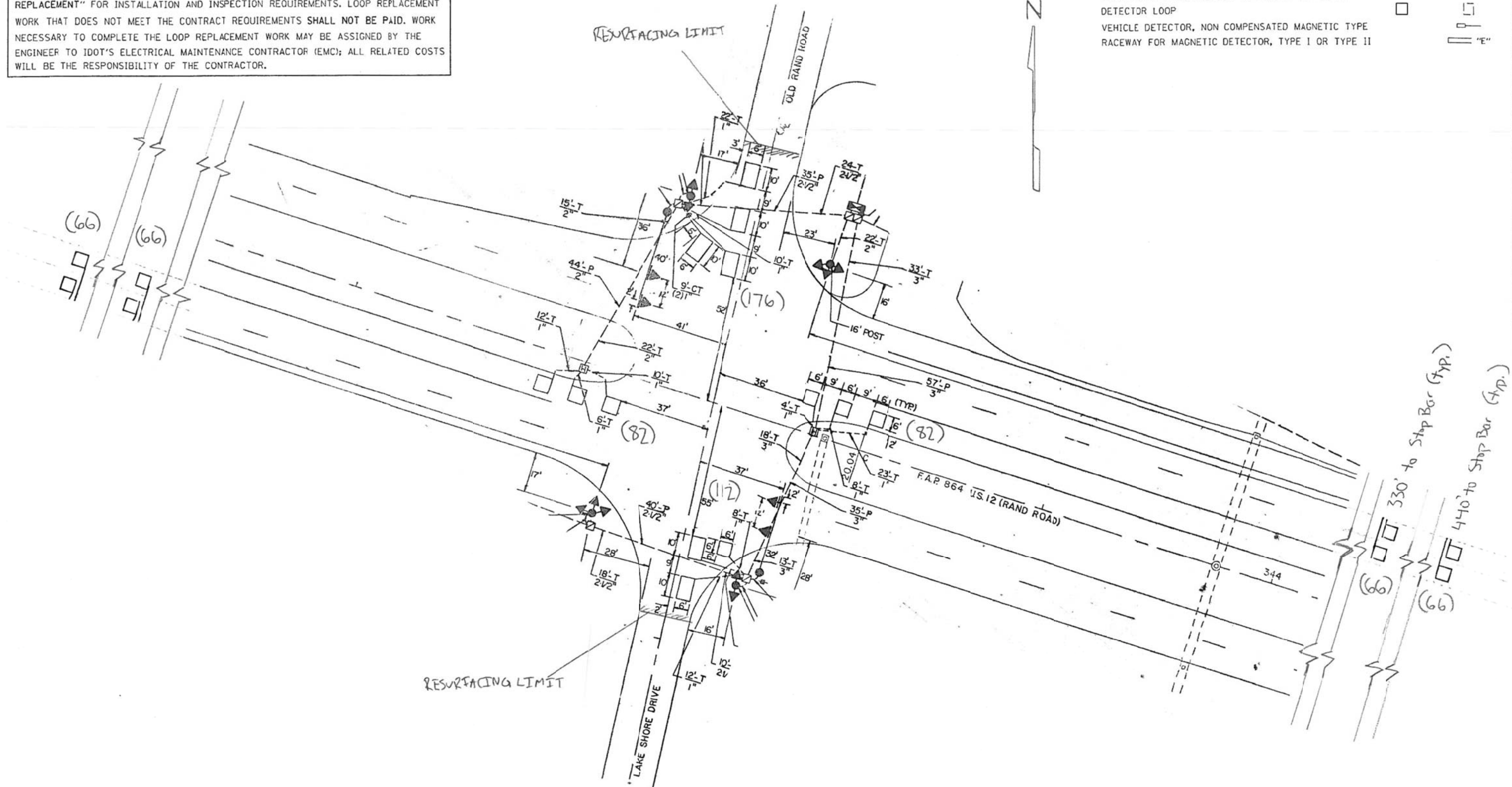
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	60N25

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	716	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/16/2012 1:55:31 PM
 FILE NAME: 86100196.01P-sig-01.dwg
 PLOT DRIVER: pplot
 PEN TABLE: standard-trans.tbl



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PLOT SCALE = N.T.S.	DRAWN -	REVISED -
PLOT DATE = 10/16/2012	CHECKED -	REVISED -
	DATE = 10/16/2012	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

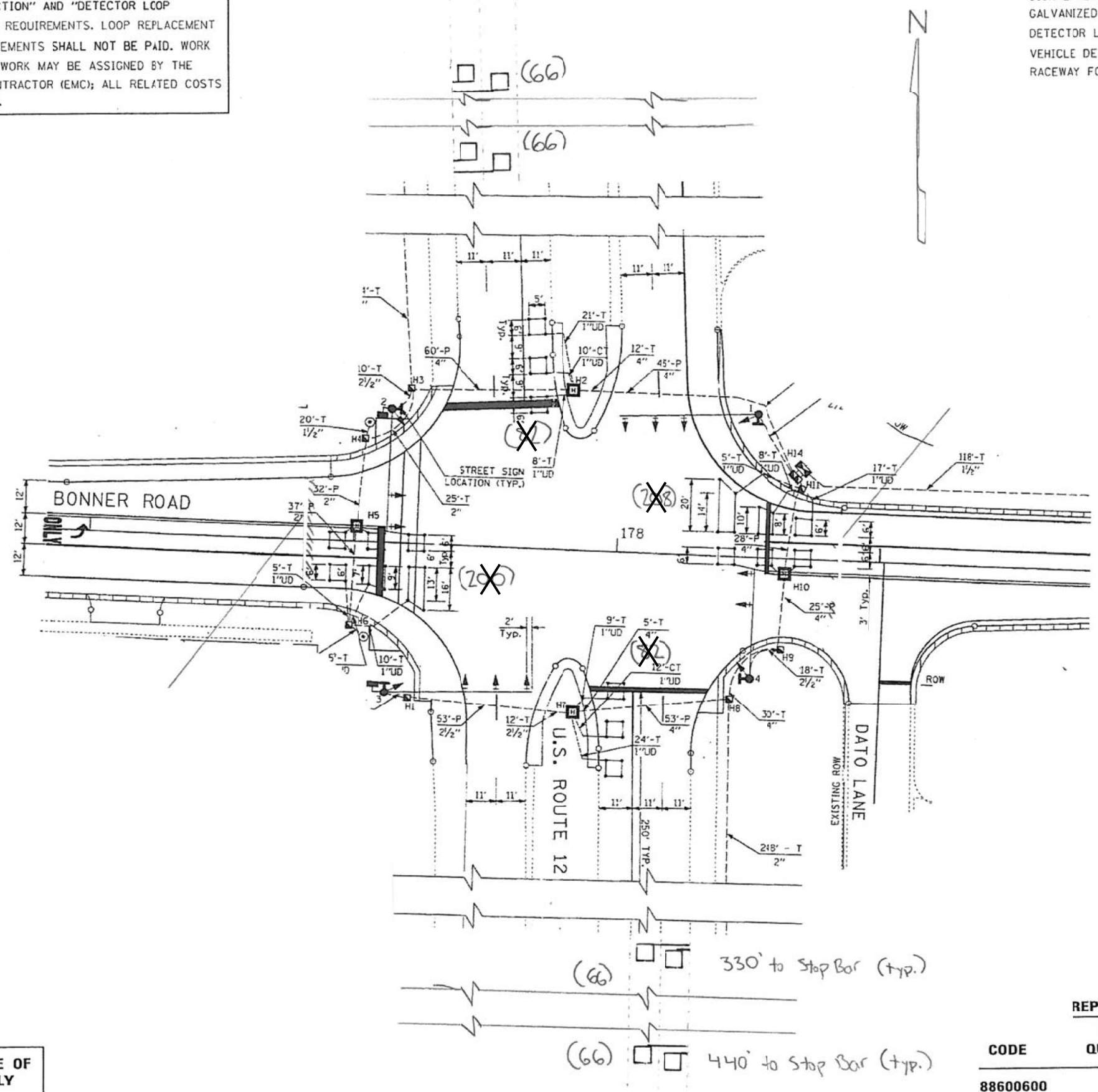
DISTRICT 1 - DETECTOR LOOP REPLACEMENT U.S. ROUTE 12 AT OLD RAND RD/MAIN STREET
 SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A. RTE. 334	SECTION TR-RS-3	COUNTY LAKE	TOTAL SHEETS 52	SHEET NO. 36
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N25	

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	264	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/16/2012 12:25:59 PM
 FILE NAME: 86100196.01P-sig-02.dgn
 PLOT DRIVER: pdcfat
 PEN TABLE: standard-trans.tbl



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PLOT SCALE = N.T.S.	DRAWN -	REVISED -
PLOT DATE = 10/16/2012	CHECKED -	REVISED -
	DATE = 10/16/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP REPLACEMENT
 U.S. ROUTE 12 AT BONNER RD.**

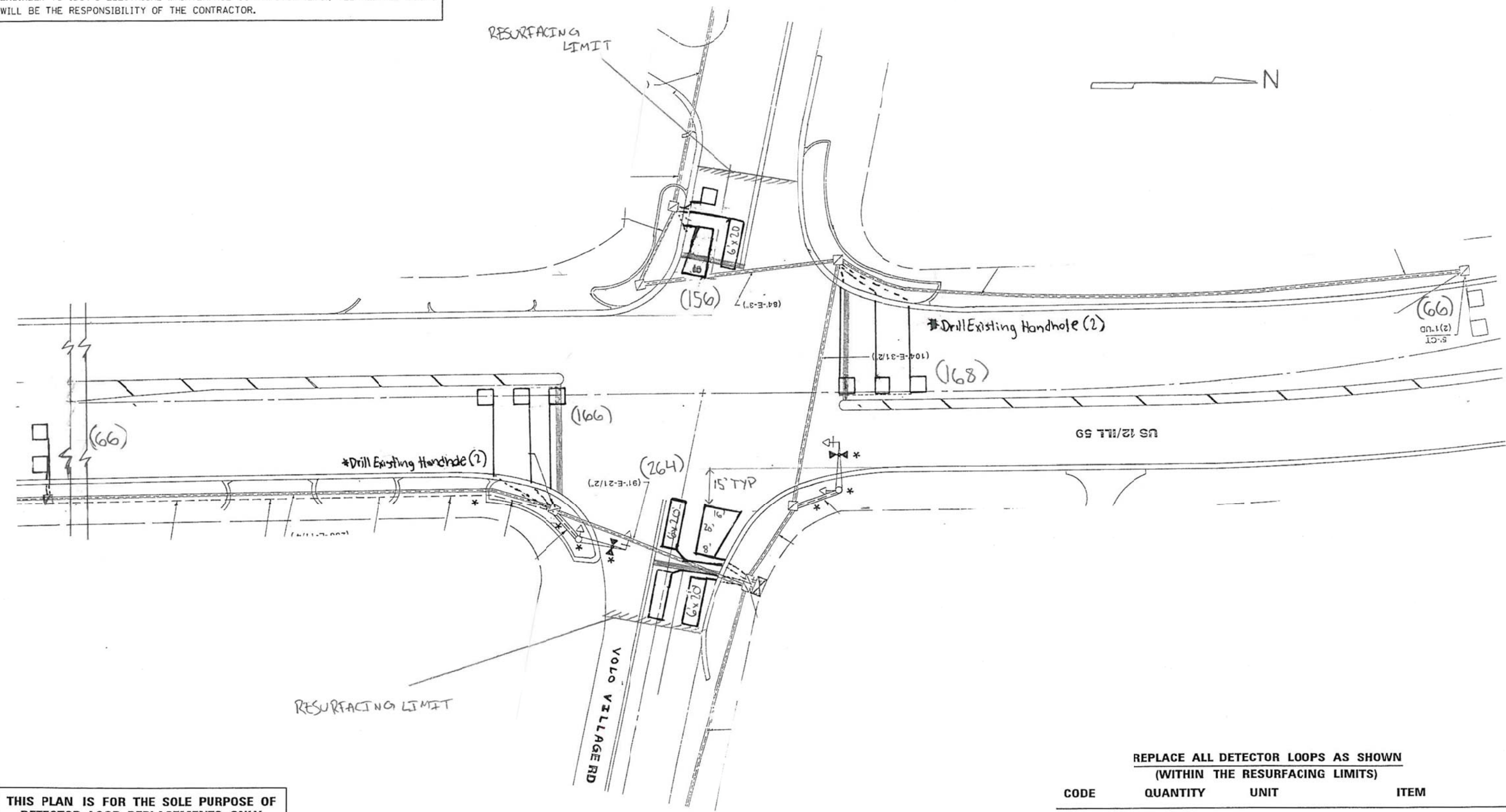
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	37
CONTRACT NO. 60N25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	886	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/16/2012 1:44:45 PM
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 PEN TABLE: standard-trans.tbl

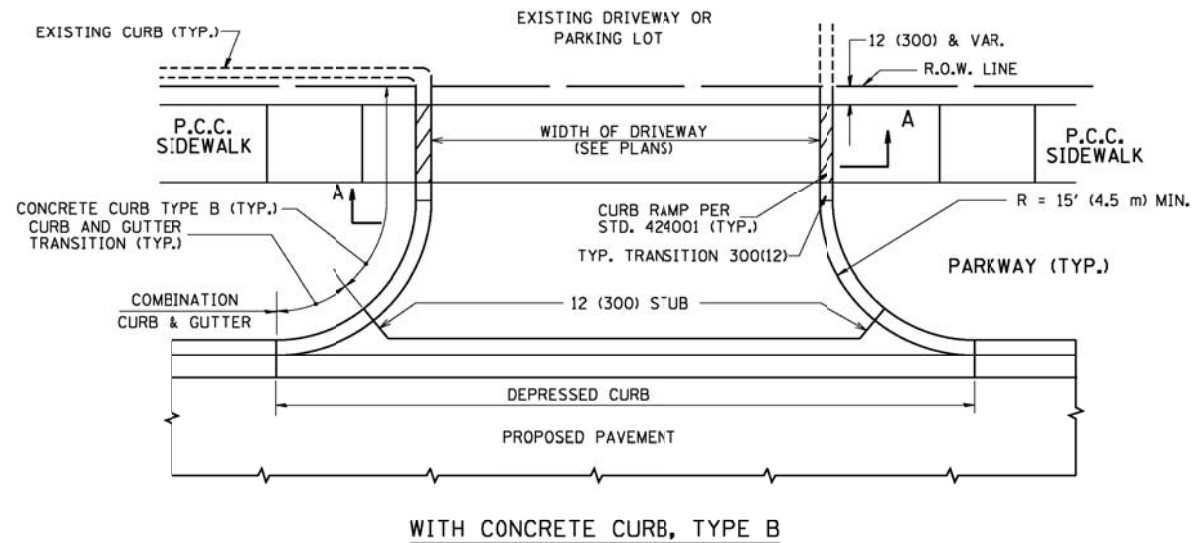


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PLOT DATE = 10/16/2012	CHECKED -	REVISED -
	DATE = 10/16/2012	REVISED -

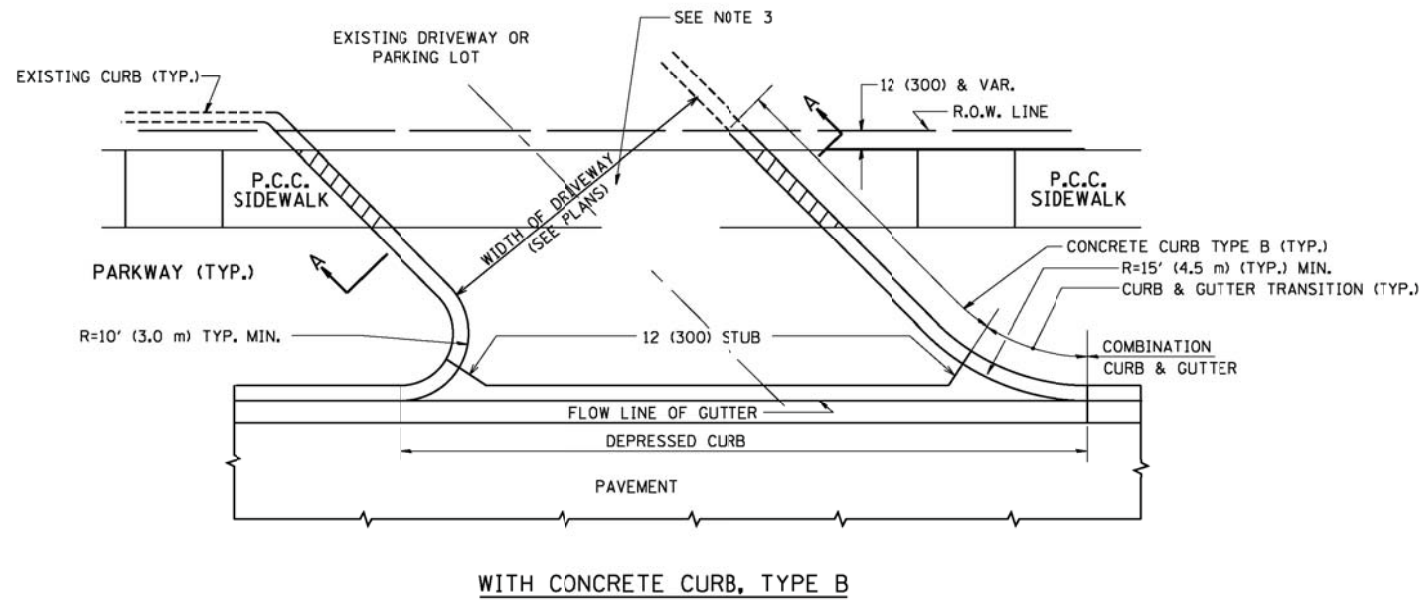
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP REPLACEMENT
 U.S. ROUTE 12 AT VOLO VILLAGE RD.**
 SCALE: N.T.S. SHEET NO. 4 OF 4 SHEETS STA. TO STA.

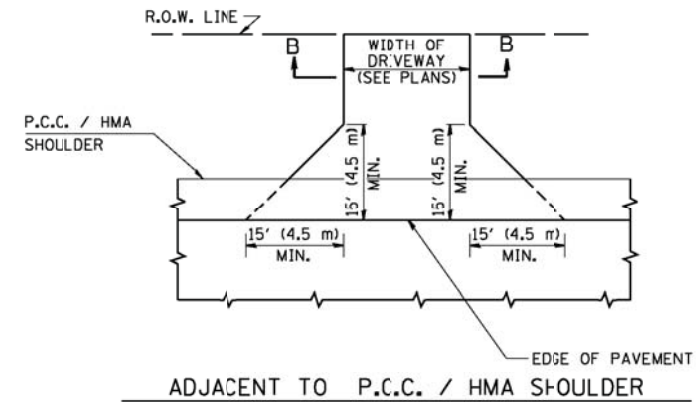
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	39
CONTRACT NO.			60N25	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



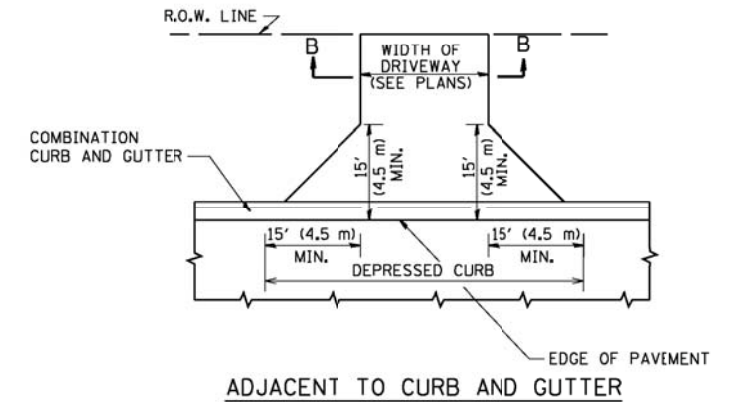
WITH CONCRETE CURB, TYPE B



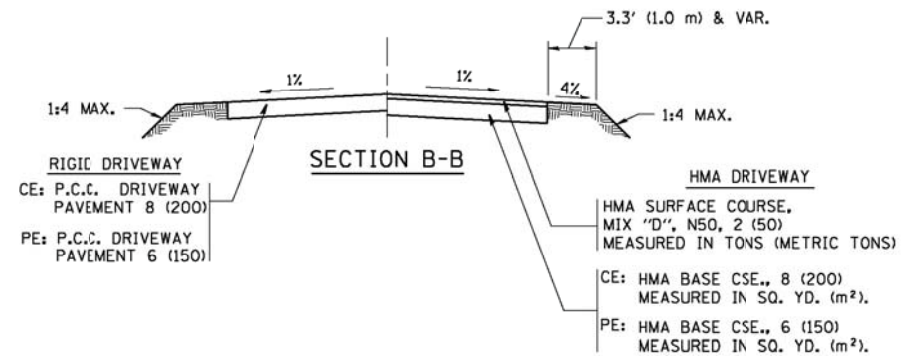
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RIGID DRIVEWAY
 CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)
 PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)

HMA DRIVEWAY
 HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE CSE., 8 (200) MEASURED IN SQ. YD. (m²).
 PE: HMA BASE CSE., 6 (150) MEASURED IN SQ. YD. (m²).

RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

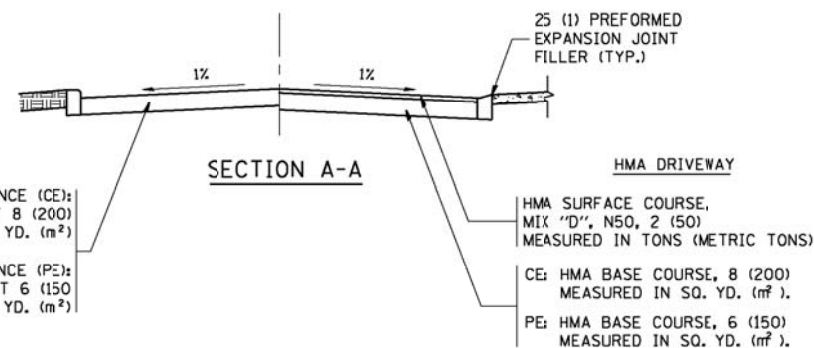
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



SECTION A-A

RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE): P.C.C. DRIVEWAY PAVEMENT 8 (200) MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE): P.C.C. DRIVEWAY PAVEMENT 6 (150) MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
 HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200) MEASURED IN SQ. YD. (m²).
 PE: HMA BASE COURSE, 6 (150) MEASURED IN SQ. YD. (m²).

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 10/16/2012 10:53:30 AM
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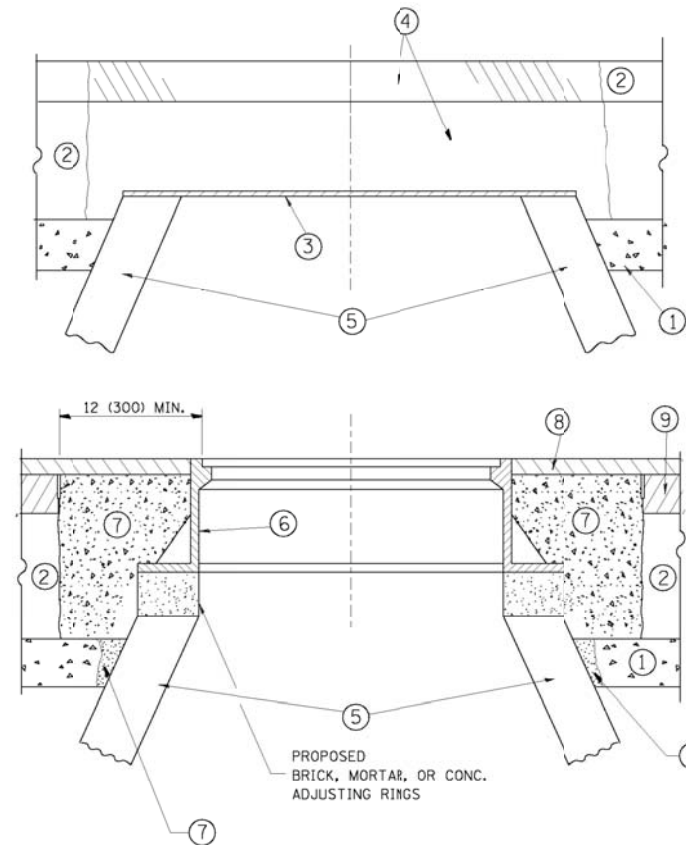


USER NAME = 101999	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
PLOT DATE = 9/6/2011	DATE = 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	40
BD0156-07 (BD-01)		CONTRACT NO.	60N25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL". NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.24 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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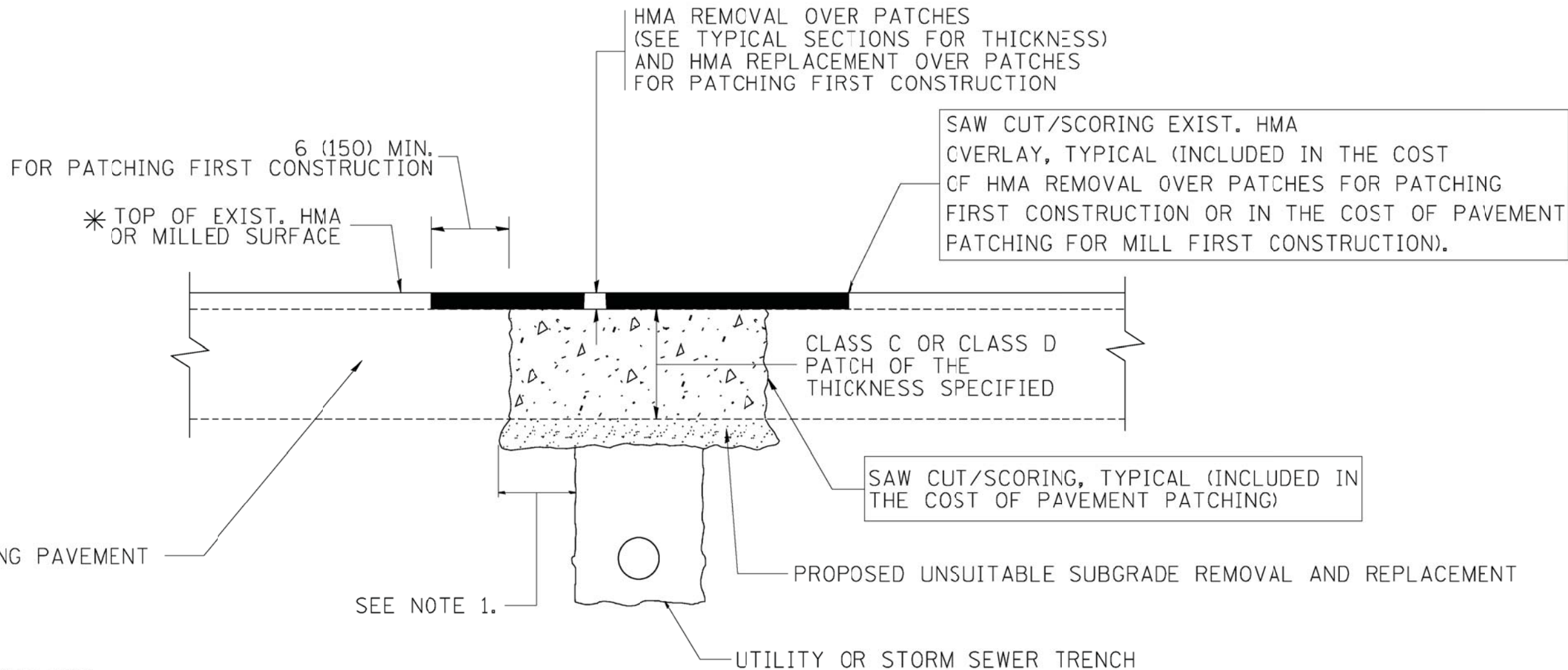


USER NAME = lcyao	DESIGNED - R. SHAH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - R. WIEDEMAN 05-14-04
PLOT SCALE = 49.9999' / IN.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 3/18/2011	DATE - 10-25-94	REVISED - R. BORO 03-09-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	41
BD600-03 (BD-8)			CONTRACT NO.	60N25
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/16/2012 10:22:19 AM
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
 HMA SURFACED PAVEMENT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	42
BD400-04 (BD-22)			CONTRACT NO.	60N25
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PRE-FORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSATURATED SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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PROJECT CONTACT: HRGreen.com
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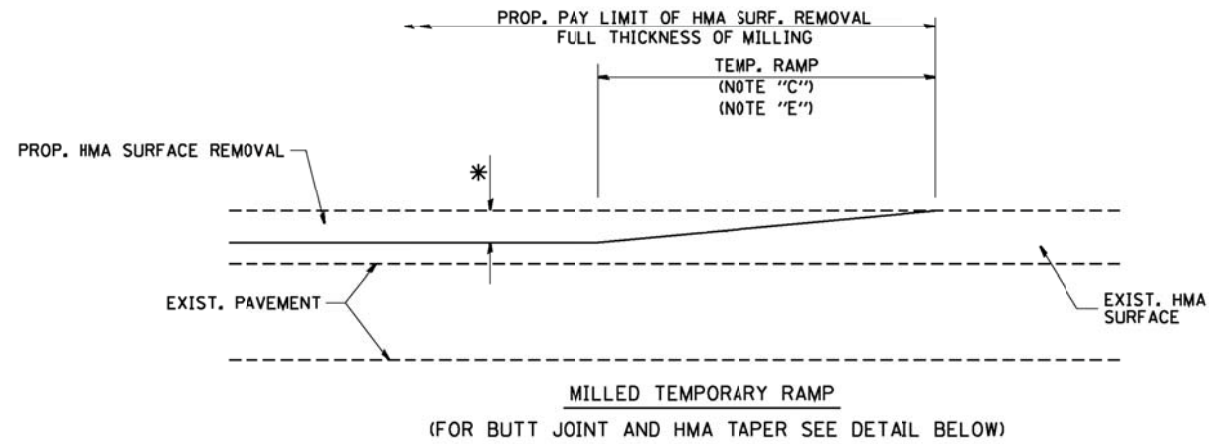


USER NAME: drivakosgn	DESIGNED - A. HOUSE4	REVISED - R. SHAH 10-03-96
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - M. GOMEZ 01-22-01
PLOT DATE: 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

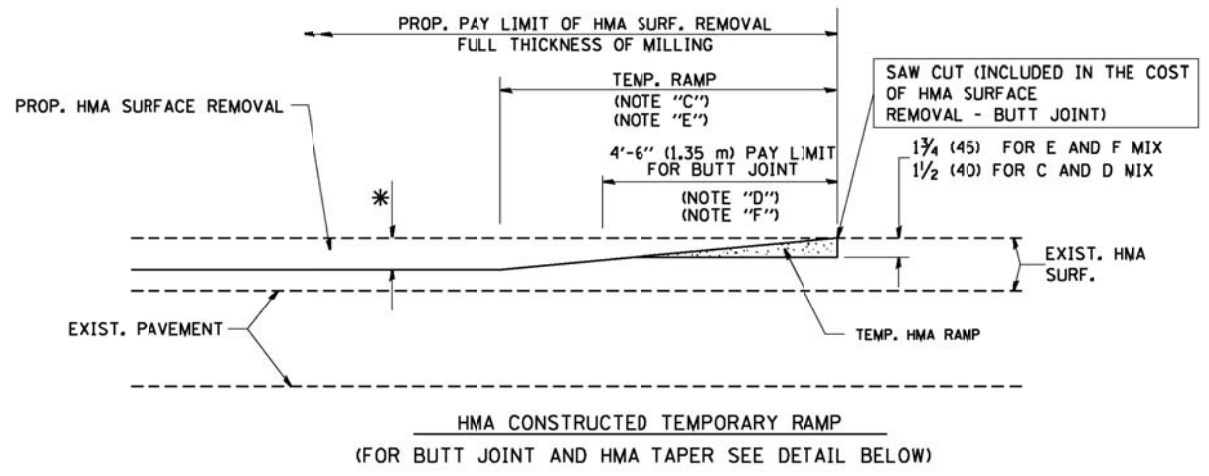
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
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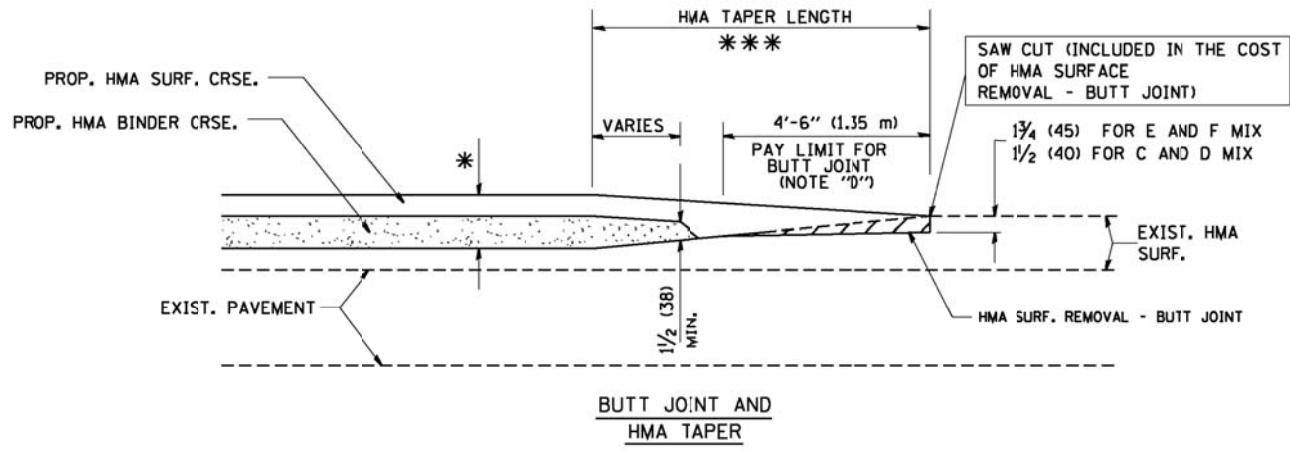
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BD600-06 (BD-24)			CONTRACT NO.	60N25
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



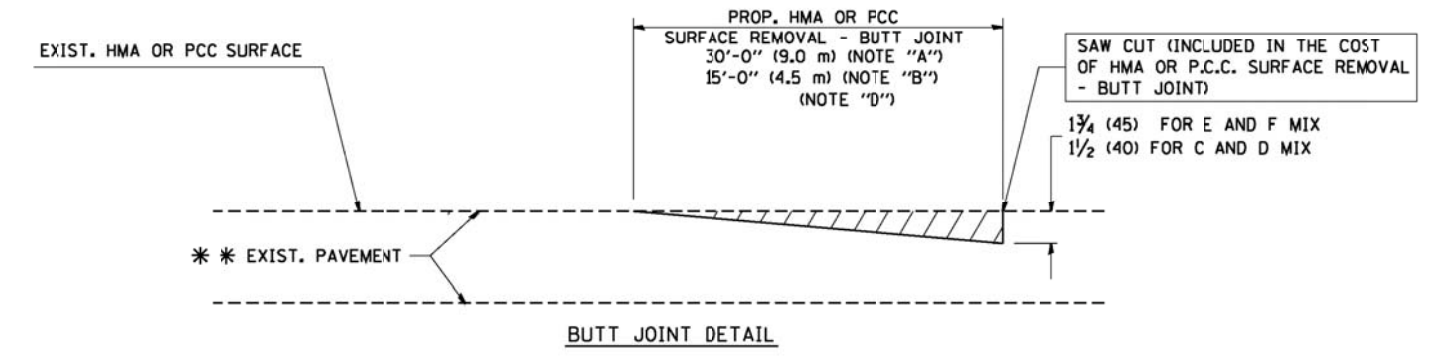
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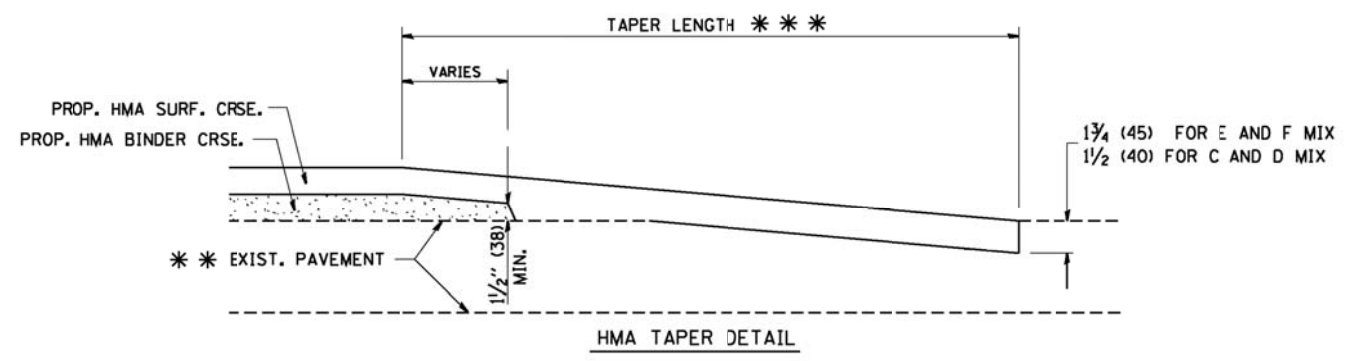
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

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

BASIS OF PAYMENT:

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

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

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 PROJECT CONTACT: HRGreen.com
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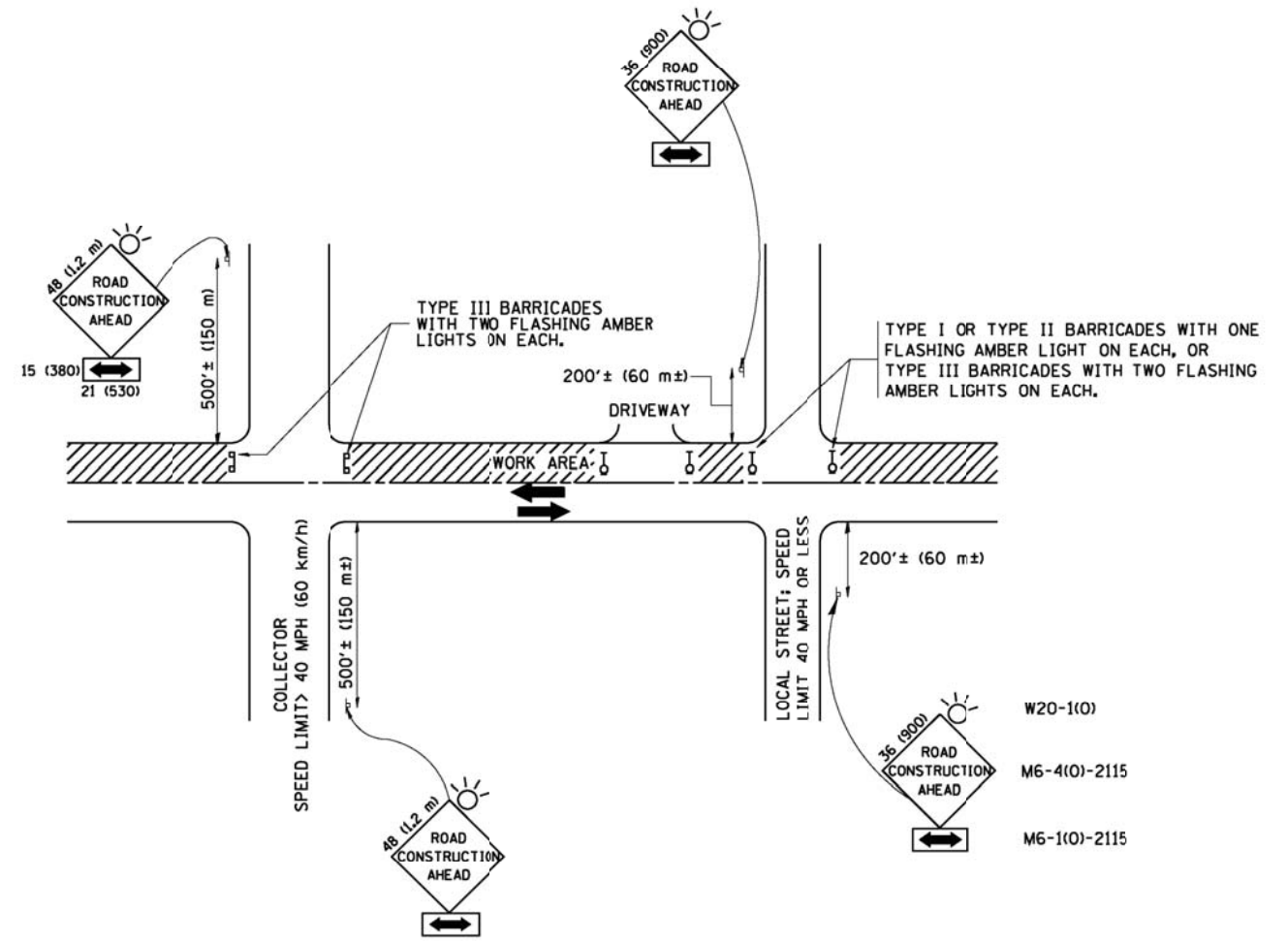


USER NAME = geglennob	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	44
BD400-05 BD32		CONTRACT NO.	60N25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/16/2012 10:51:15 PM
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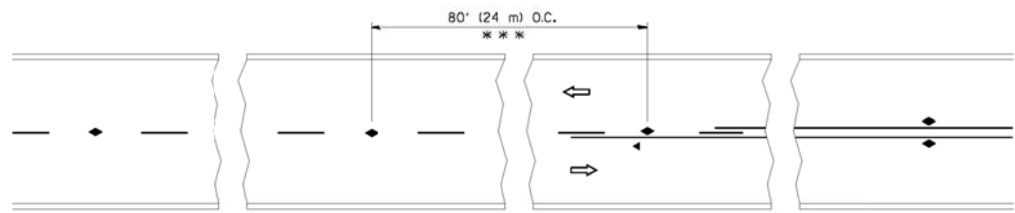
HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = geglennobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
	DRAWN -	REVISED - A. HOUSEH 03-06-96
PLOT SCALE = 500.0000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
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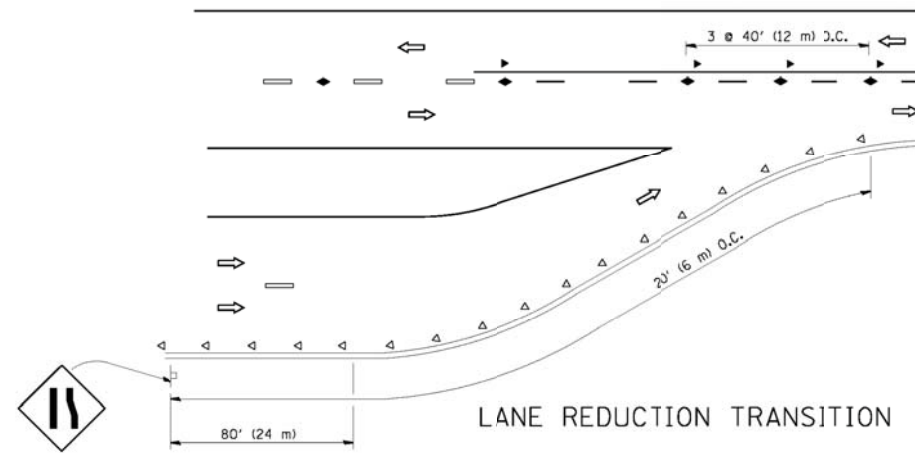
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO.	60N25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

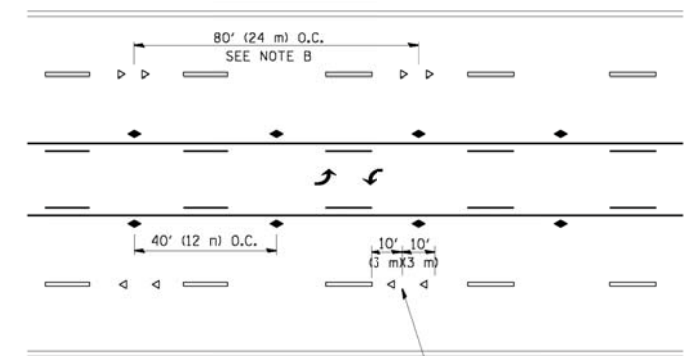


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

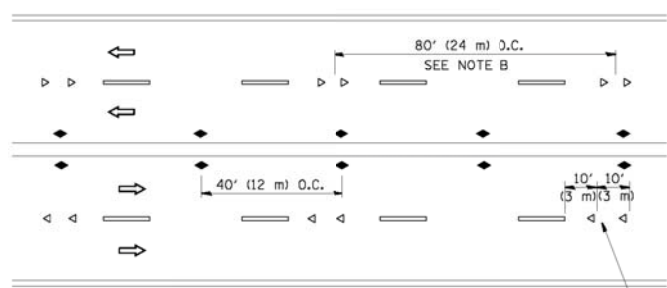
TWO-LANE/TWO-WAY



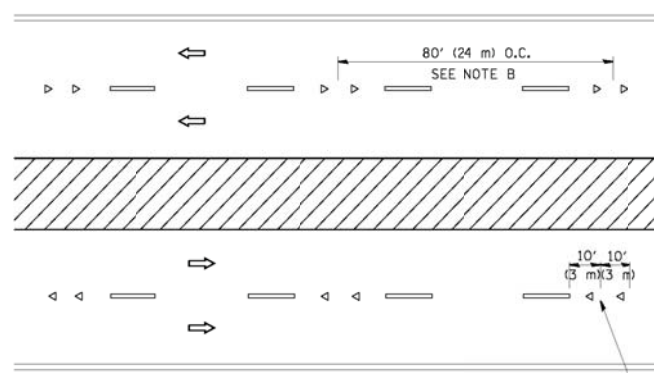
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

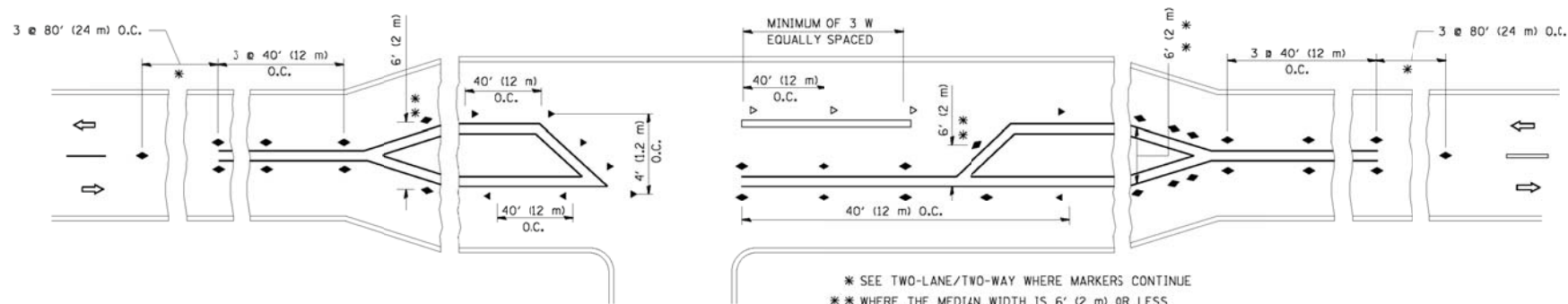
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/16/2012 4:15:54 PM
 FILE NAME: 86100196L0P-de1-09.dgn
 PLOT DRIVER: pafplot
 PEN TABLE: standard-trans.tbl

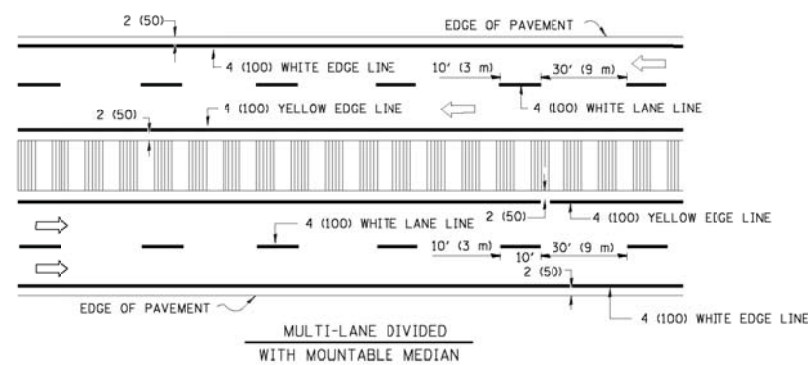
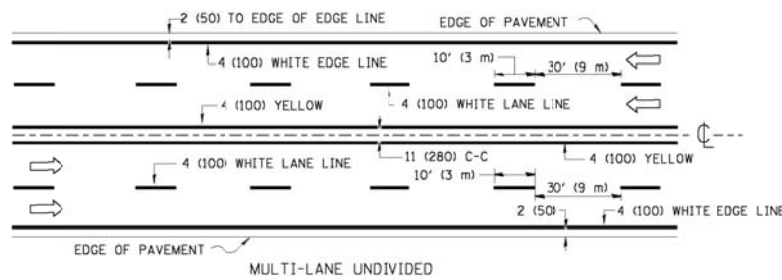
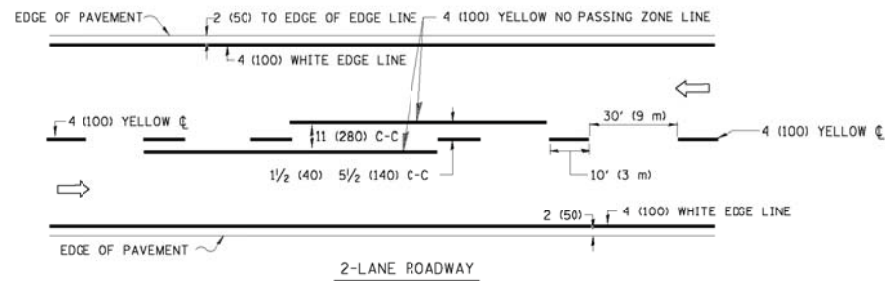


USER NAME: drvakosgn	DESIGNED: -	REVISED: - T. RAMMACHER 09-19-94
	DRAWN: -	REVISED: - T. RAMMACHER 03-12-99
PLOT SCALE: = 50,000' / IN.	CHECKED: -	REVISED: - T. RAMMACHER 01-06-00
PLOT DATE: 9/9/2009	DATE: -	REVISED: - C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

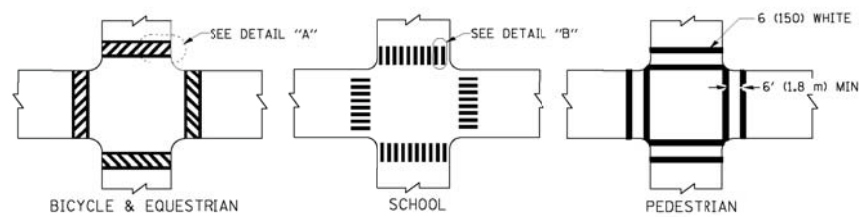
TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	46
TC-11		CONTRACT NO.	60N25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

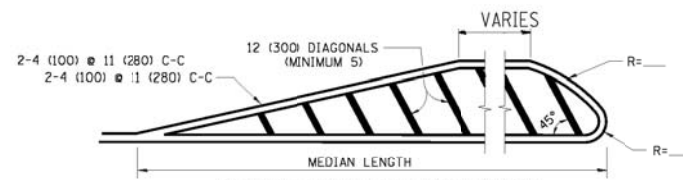
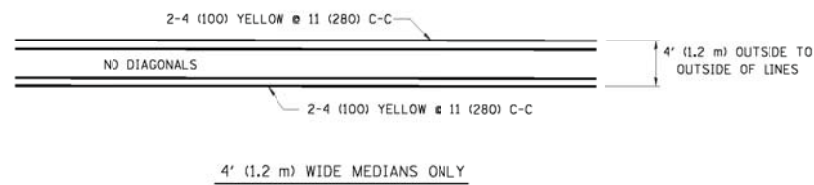


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



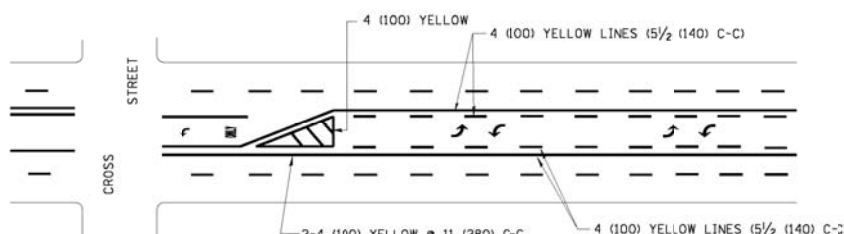
TYPICAL CROSSWALK MARKING



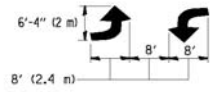
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

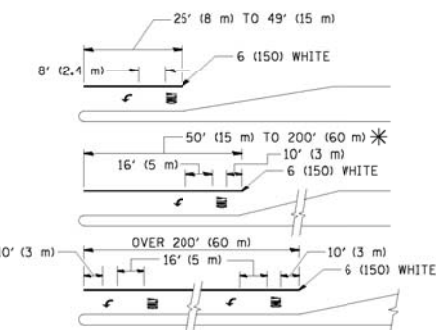


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

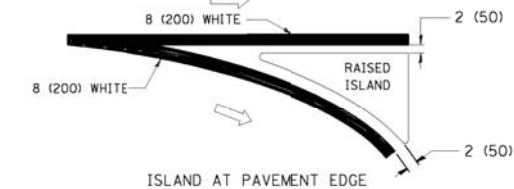
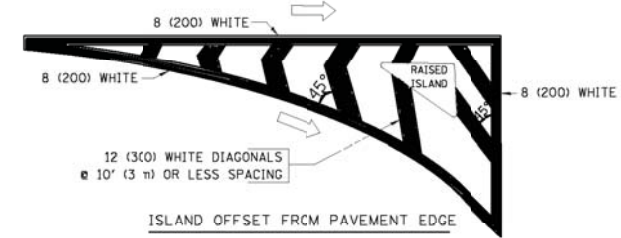


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 100' (30 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 10/16/2012 4:02:11 PM
FILE NAME: 86100196109-de+10.dgn
PLOT DRIVER: pafcah
PEN TABLE: standard-trans.tbl



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PLOT SCALE: 50.000' / IN.	DRAWN:	REVISED: C. JUCIUS 09-09-09
PLOT DATE: 9/9/2009	CHECKED:	REVISED:
	DATE: 03-19-90	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	47
TC-13		CONTRACT NO.	60N25	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
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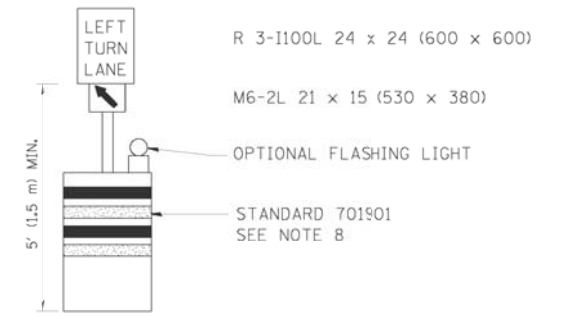
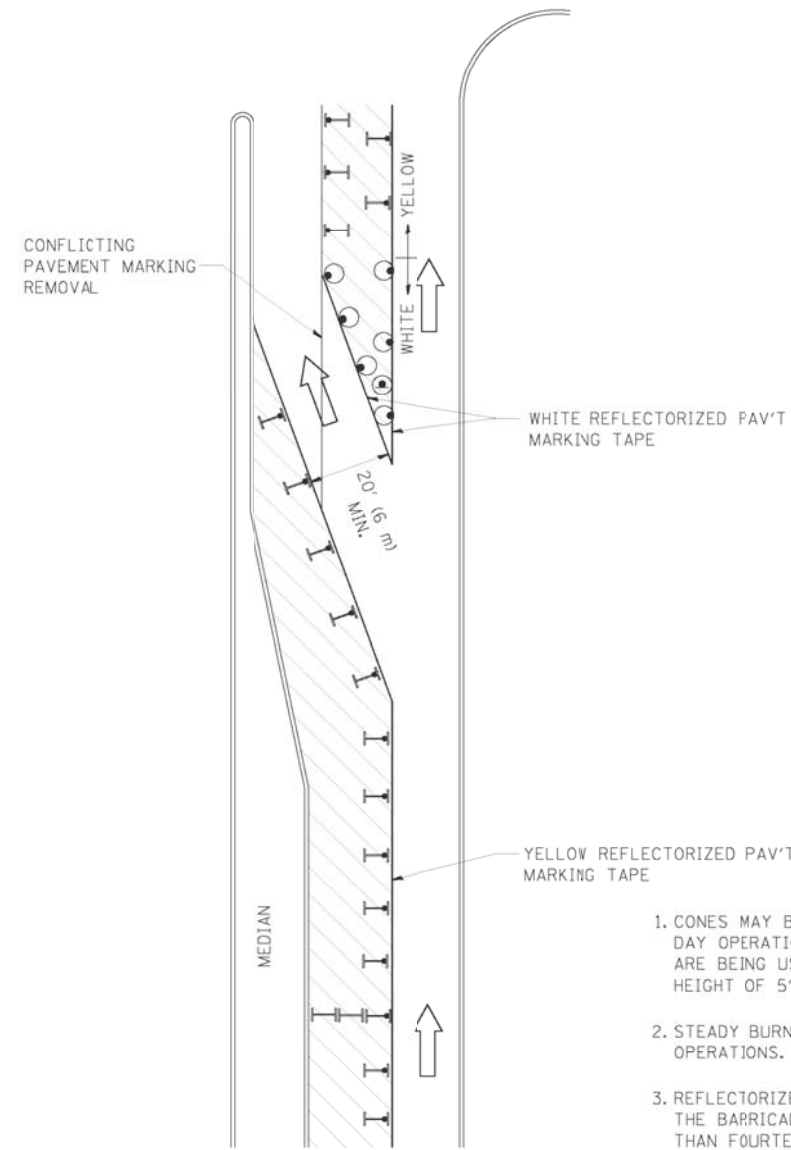
USER NAME: drjvaksgrn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	REVISED - A. HOUSEH 11-07-95	REVISED -
PLOT SCALE = 49.9999' / 1"	REVISED - A. HOUSEH 10-12-96	REVISED -
PLOT DATE = 9/14/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	48
TC-14		CONTRACT NO.	60N25	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



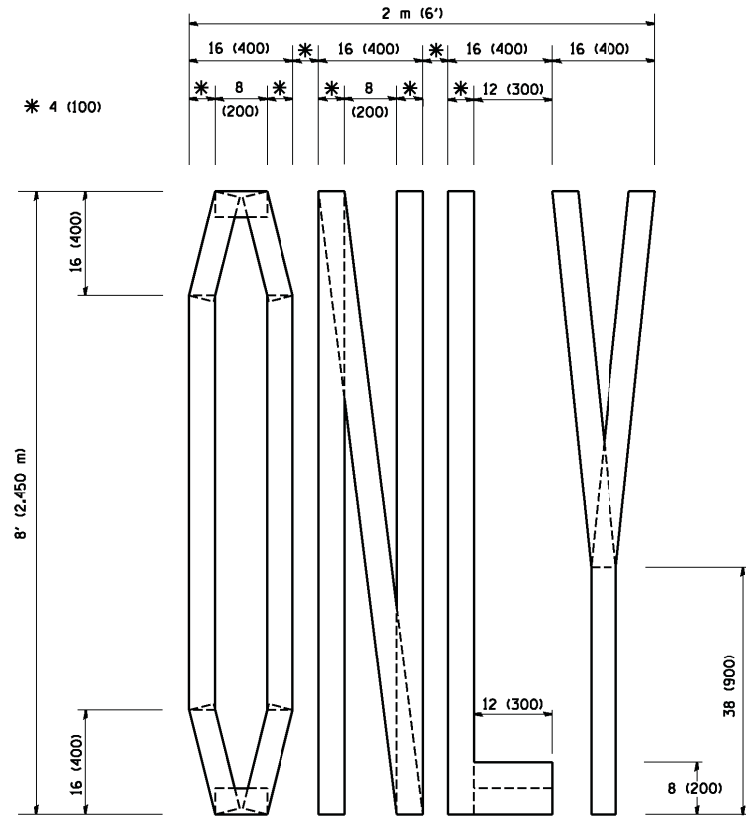
GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. 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 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

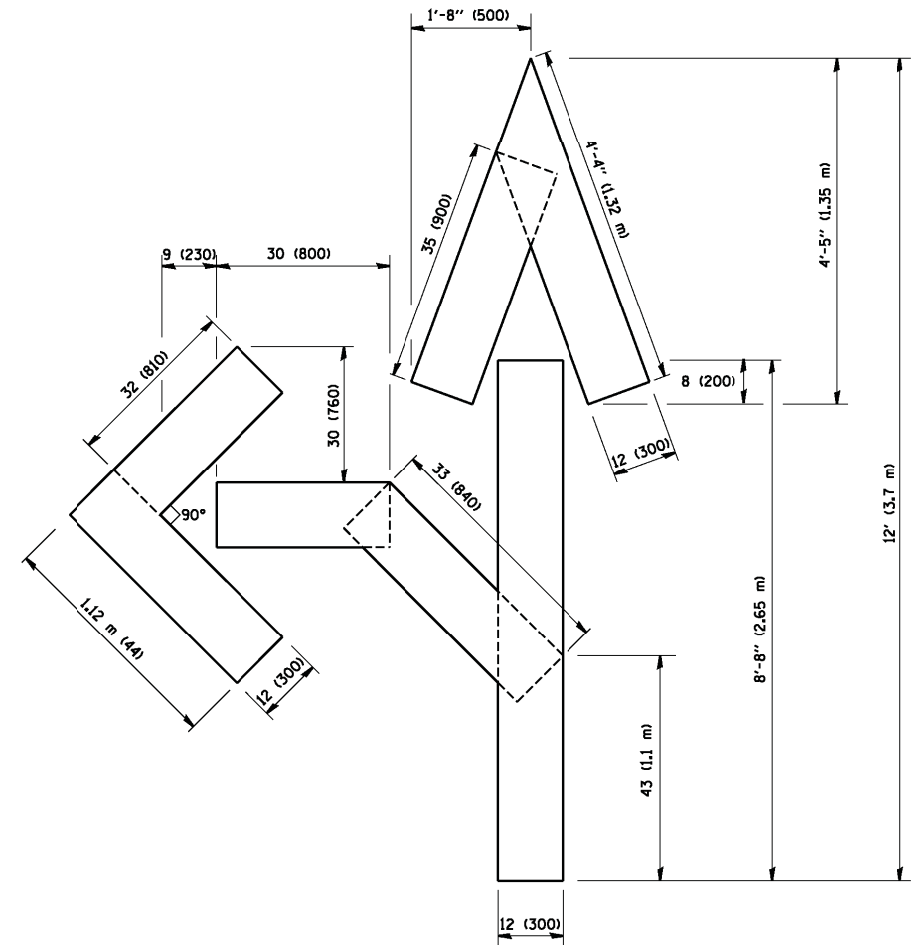
All dimensions are in inches (millimeters) unless otherwise shown.

LEGEND

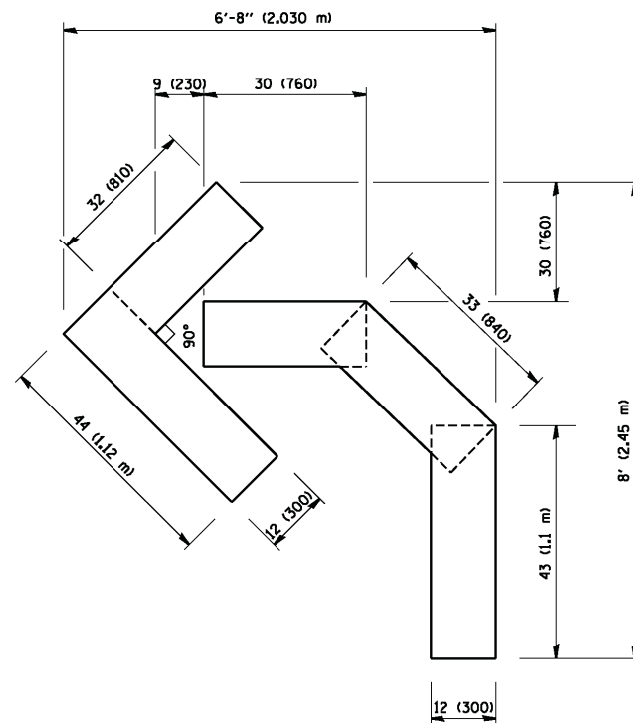
- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/16/2012 12:56:20 PM
 FILE NAME: 86100196108-def-11.dgn
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 PEN TABLE: standard-trans.tbl



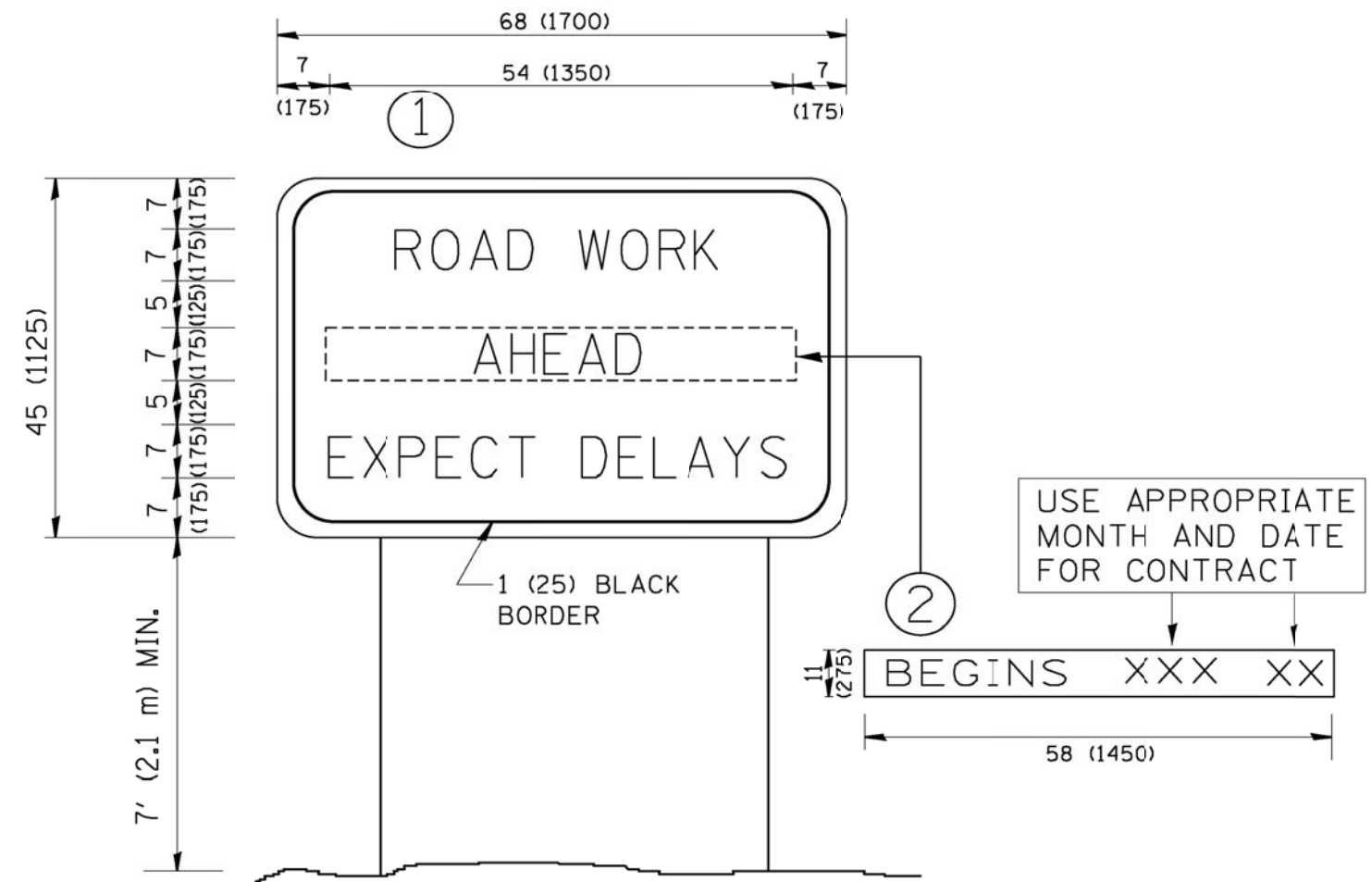
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	DRAWN -	REVISED - T. RAMMACHER 11-04-97
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98
PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	49
TC-16		CONTRACT NO.	60N25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

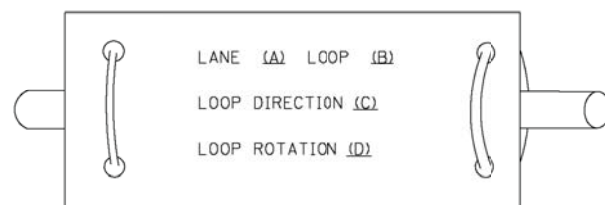
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 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 10/16/2012 12:38:54 PM
 FILE NAME: 86100196108-de+12.dgn
 PLOT DRIVER: default
 PEN TABLE: standard-trans.tbl

	HRGreen.com <small>Illinois Professional Design Firm #184-001322</small>	USER NAME = geglennobt DESIGNED - DRAWN - CHECKED - DATE -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97 REVISED - T. RAMMACHER 02-02-99 REVISED - C. JUCIUS 01-31-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A. RTE. 334 SECTION TR-RS-3 COUNTY LAKE TOTAL SHEETS 52 SHEET NO. 50	CONTRACT NO. 60N25 <small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>
	PLOT SCALE = 50.000' / IN. PLOT DATE = 1/4/2008		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>		

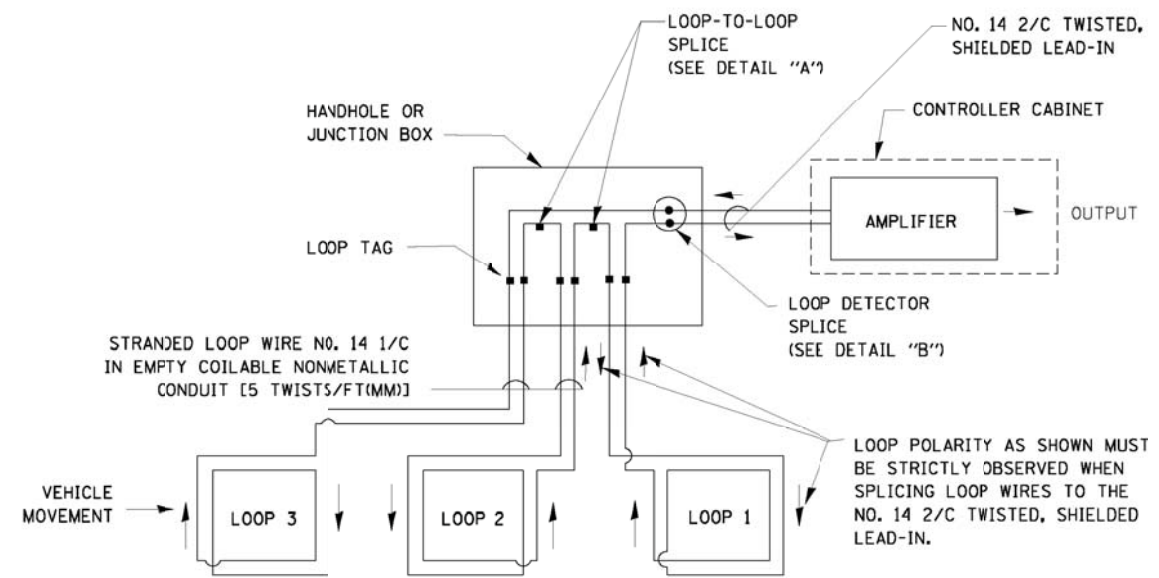
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

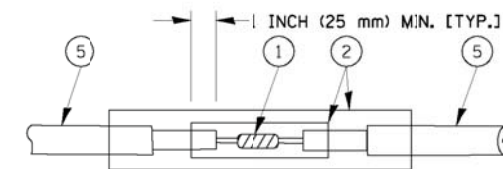


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

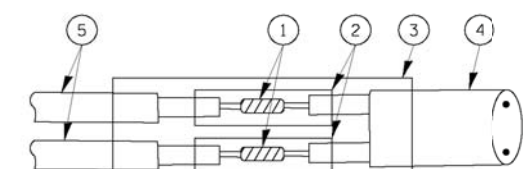


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

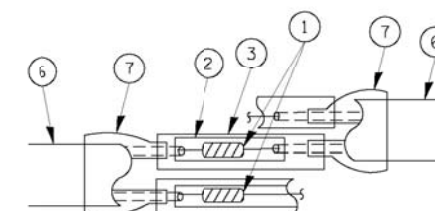


DETAIL "A"
LOOP-TO-LOOP SPLICE

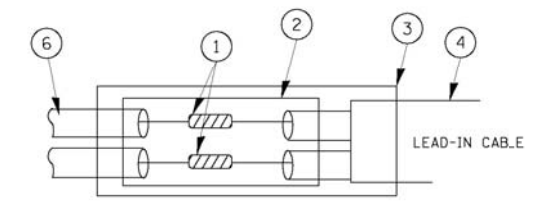


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



PRE-FORMED LOOP

DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- PREFORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 10/16/2009 12:47:19 PM
FILE NAME: 86100196.09-de+11.dgn
PLOT DRIVER: pdfcut
PEN TABLE: standard-trans.tbl



USER NAME = bauerdl	DESIGNED - DAD	REVISED -
	DRAWN - BCK	REVISED -
PLOT SCALE = 50.0000' / IN.	CHECKED - DAD	REVISED -
PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

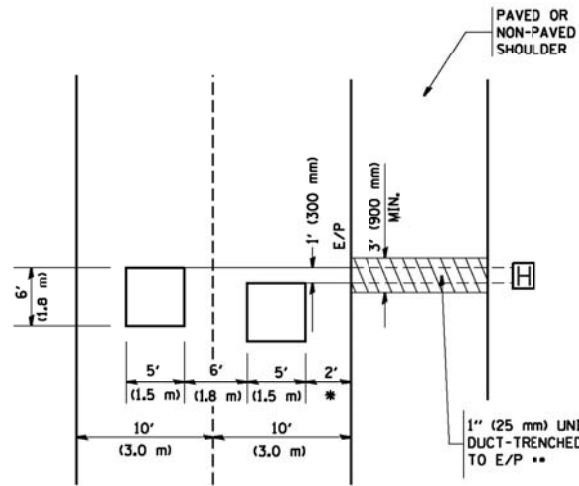
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-RS-3	LAKE	52	51
TS-05		CONTRACT NO.	60N25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



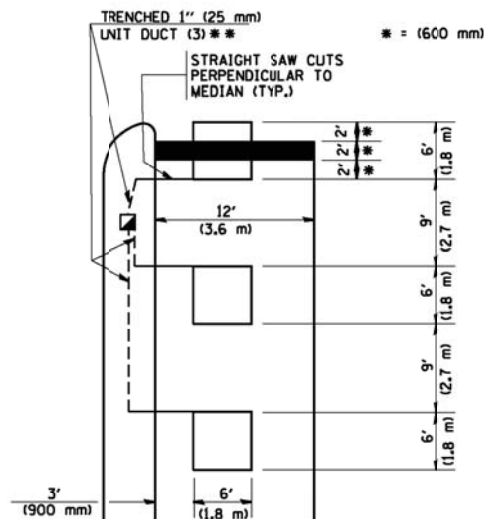
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 314001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



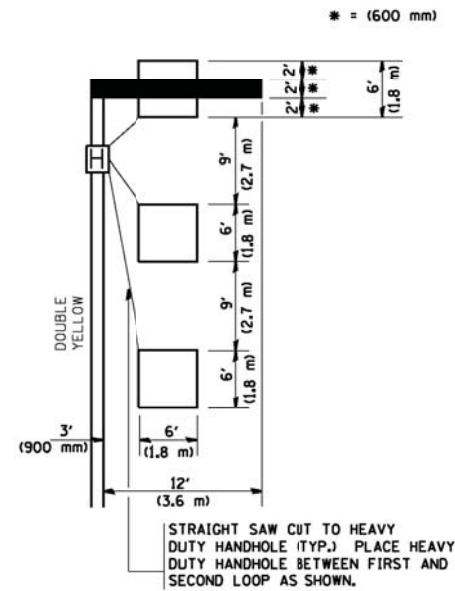
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

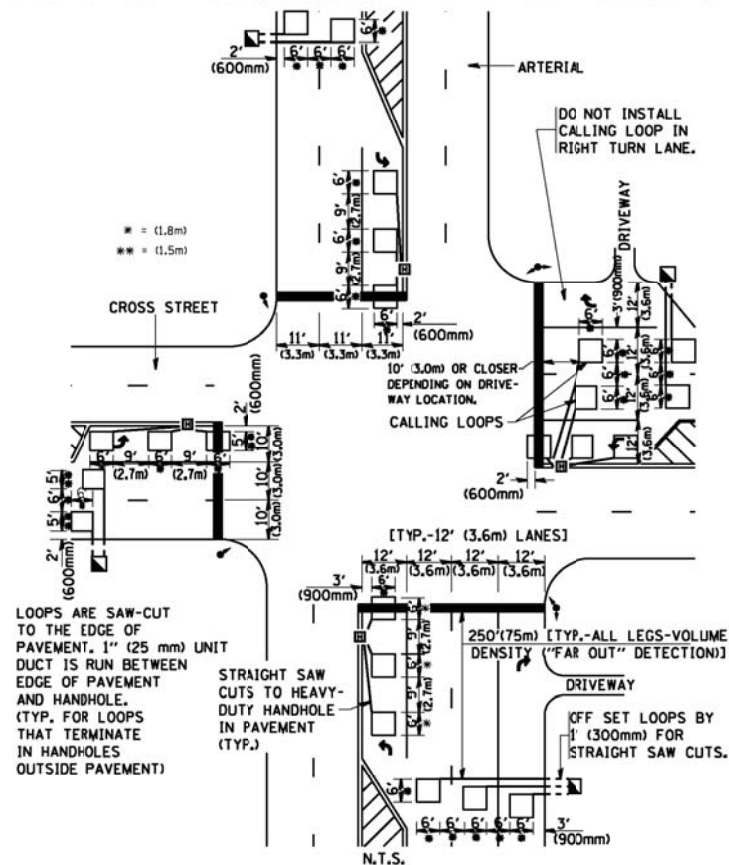
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

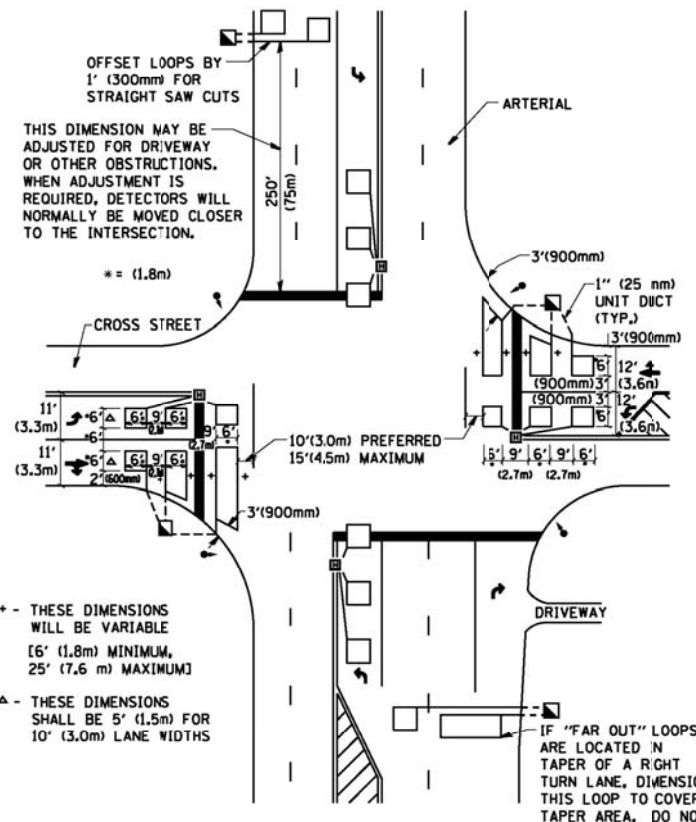
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2
N.T.S.**

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 10/16/2012 12:55:04 PM
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PLOT DATE = 1/4/2008	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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

F.A. RTE. 334	SECTION TR-RS-3	COUNTY LAKE	TOTAL SHEETS 52	SHEET NO. 52
TS-07			CONTRACT NO. 60N25	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				