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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
604001-03	FRAME AND LIDS TYPE 1
604086-02	FRAME AND GRATE TYPE 23
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-03	CORRUGATED PC CONCRETE MEDIANS
701101-03	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701427-01	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIUM
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

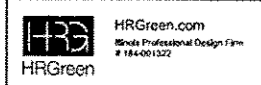
GENERAL NOTES

- 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 CITY OF CHICAGO AND THE VILLAGE OF NILES
- 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. 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.
- 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 HOURS PRIOR TO BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT MR. WALTER CZARNY, THE AREA TRAFFIC FIELD ENGINEER, AT (847) 715-8419 AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- LOCATIONS OF PAVEMENT PATCHING AND CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE AS DETERMINED BY THE ENGINEER AND AS SHOWN ON THE PLANS.
- 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.
- 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.
- 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.

GENERAL NOTES (CONTINUED)

- 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.
- IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT, EXISTING ASPHALT OVERLAYS THE EXISTING CONCRETE GUTTER FLAG. REMOVAL OF ASPHALT ON THE GUTTER FLAG SHALL BE INCLUDED IN THE UNIT COST OF HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2 INCH.
- 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.
- 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, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- THE CONTRACTOR WILL BE REQUIRED TO COORDINATE AND SCHEDULE THEIR CONSTRUCTION ACTIVITIES WITH AN ADJACENT CONSTRUCTION PROJECT ON IL 21 (CONTRACT NO. 63622) WHICH WORK INCLUDES BRICK PAVER CROSSWALKS AND NEW CURB AND GUTTER.
- THE RESIDENT ENGINEER SHALL BE RESPONSIBLE FOR COORDINATING WITH THE CITY OF CHICAGO FOR THE DEACTIVATION AND RESTORATION OF RED-LIGHT CAMERA ASSEMBLIES WITHIN THE PROJECT LIMITS AT LEAST TWO (2) WEEKS PRIOR TO CONSTRUCTION.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS STANDARDS.
- PERMITS FROM THE CITY OF CHICAGO DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY, OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION.
- PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS WITHIN THE CITY OF CHICAGO.
- BENCH MONUMENT LOCATIONS WITHIN THE CITY OF CHICAGO CAN BE OBTAINED IN SUITE 410, 333 SOUTH STATE STREET, CHICAGO, IL 60604. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF THE REPLACEMENT OF ANY BENCH MONUMENT IF DAMAGED OR DESTROYED DURING CONSTRUCTION.
- ALL BROKEN, CRACKED, WORN, OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND LIDS ON SEWER STRUCTURES WITHIN THE CITY OF CHICAGO SHALL BE REPLACED WITH NEW DEPARTMENT OF SEWERS STANDARD FRAMES AND LIDS. OLD FRAMES AND GRATES OR LIDS SHALL BE DELIVERED TO THE DEPARTMENT OF SEWERS AT 39th STREET AND ASHLAND AVENUE.
- OPEN LID DRAINAGE STRUCTURES SHALL NOT BE CLOSED, COVERED, OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THE PROJECT WITHOUT THE WRITTEN PERMISSION FROM THE CITY OF CHICAGO.
- THE CITY OF CHICAGO IS TO MAKE ADJUSTMENTS TO THEIR STREET LIGHTING AND/OR TRAFFIC SIGNAL FACILITIES. THE CONTRACTOR SHALL COORDINATE HIS WORK AND COOPERATE WITH THE CITY OF CHICAGO IN THESE ADJUSTMENTS. THIS COORDINATION AND COOPERATION BY THE CONTRACTOR WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COSTS OF THE CONTRACT.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:		348	2011-080-RS	COOK	44	2
SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	CONTRACT NO. 60R07		
		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
				0005	
				URBAN	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	383		383
25200110	SODDING, SALT TOLERANT	SO YD	383		383
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	71		71
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	15		15
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	69		69
40600300	AGGREGATE (PRIME COAT)	TON	341		341
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	179		179
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3,514		3,514
40600895	CONSTRUCTING TEST STRIP	EACH	2		2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	885		885
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	2,010		2,010
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	882		882
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	10		10
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	8,419		8,419
42001300	PROTECTIVE COAT	SO YD	1,725		1,725

* SPECIALTY ITEMS

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R07	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	89	89	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	103	103	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	324	324	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	76,352	76,352	
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	276	276	
44000600	SIDEWALK REMOVAL	SO FT	324	324	
44002215	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 3/4"	SO YD	4,200	4,200	
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	5,818	5,818	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	70	70	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	305	305	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	475	475	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	2,380	2,380	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	36	36	
60404940	FRAMES AND GRATES, TYPE 23	EACH	20	20	
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	15	15	

* SPECIALTY ITEMS

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

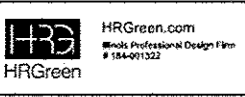
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R07	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	85		85
60624600	CORRUGATED MEDIAN	SO FT	985		985
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6		6
67100100	MOBILIZATION	L SUM	1		1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	19,860		19,860
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1,005		1,005
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	28,900		28,900
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3,970		3,970
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	580		580
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	3,760		3,760
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	25,715		25,715
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1,005		1,005

* SPECIALTY ITEMS

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	28,900		28,900
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,970		3,970
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	580		580
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	3,760		3,760
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	420		420
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	430		430
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2,083		2,083
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	1,560		1,560
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2,400		2,400
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	179		179
X6060500	CORRUGATED MEDIAN REMOVAL	SO FT	985		985
XZ043900	PREFORMED JOINT FILLER REMOVAL	FOOT	9,000		9,000
Z0038123	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2 1/2"	SO YD	798		798
Z0004562	COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT	FOOT	4,164		4,164
Z0017800	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED (SPECIAL)	EACH	5		5

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	6
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60R07		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	125		125
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	487		487
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1

* SPECIALTY ITEMS

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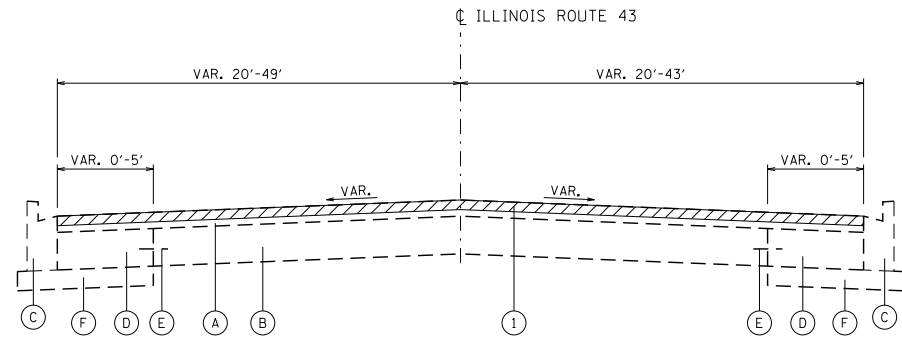
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 Whole Professional Design Firm
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE: N/A	SHEET NO. 5 OF 5 SHEETS STA. TO STA.

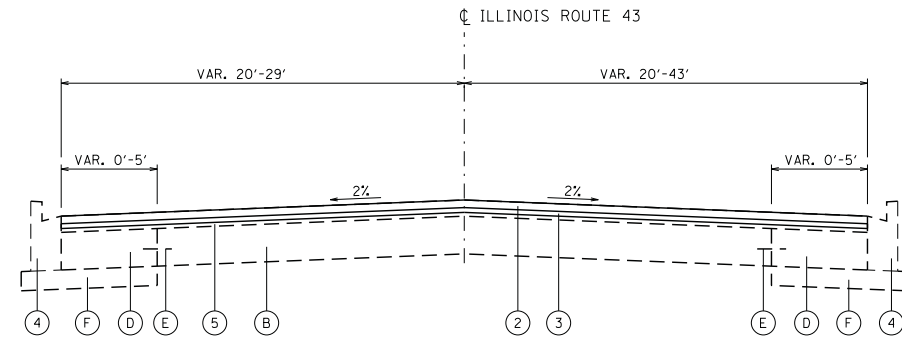
F.A.P. RTE. 348	SECTION 2011-080-R5	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	



EXISTING TYPICAL SECTION

STA. 115+83 TO STA. 237+62
STA. 247+76 TO STA. 251+52

OMISSIONS: STA. 164+08 TO STA. 164+92
STA. 167+63 TO STA. 168+46
STA. 170+41 TO STA. 171+22
STA. 247+76 TO STA. 248+29



PROPOSED TYPICAL SECTION

STA. 115+83 TO STA. 237+62
STA. 247+76 TO STA. 268+35

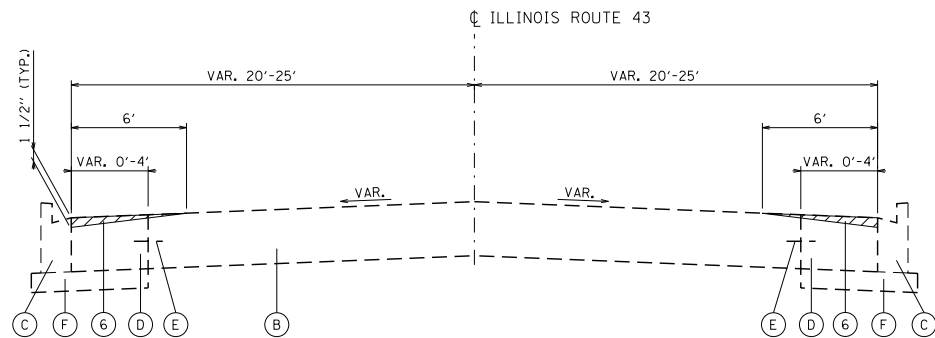
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STA. 167+63 TO STA. 168+46
STA. 170+41 TO STA. 171+22
STA. 247+76 TO STA. 248+29

EXISTING CONDITIONS

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, ±3 3/4"
- (B) PCC PAVEMENT, 10"
- (C) COMBINATION CONCRETE CURB AND GUTTER
- (D) PCC BASE COURSE WIDENING, 9"
- (E) TIE BAR
- (F) SUB-BASE GRANULAR MATERIAL
- (G) CORRUGATED MEDIAN

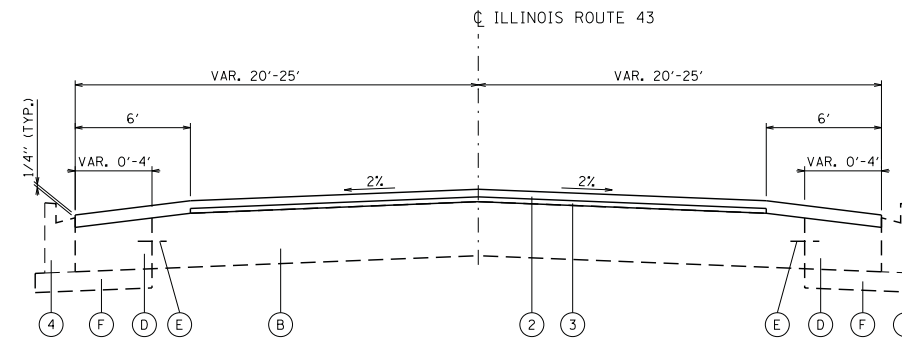
PROPOSED IMPROVEMENTS

- (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) EXISTING HOT-MIX ASPHALT SURFACE AFTER PROPOSED SURFACE REMOVAL
- (6) PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VARIABLE DEPTH
- (7) MEDIAN REMOVAL PARTIAL DEPTH
- (8) EXISTING CORRUGATED MEDIAN AFTER PROPOSED MEDIAN REMOVAL PARTIAL DEPTH



EXISTING TYPICAL SECTION

STA. 237+62 TO STA. 247+76



PROPOSED TYPICAL SECTION

STA. 237+62 TO STA. 247+76

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT 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", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm); PE -6", CE -8"	4% @ 50 GYR.

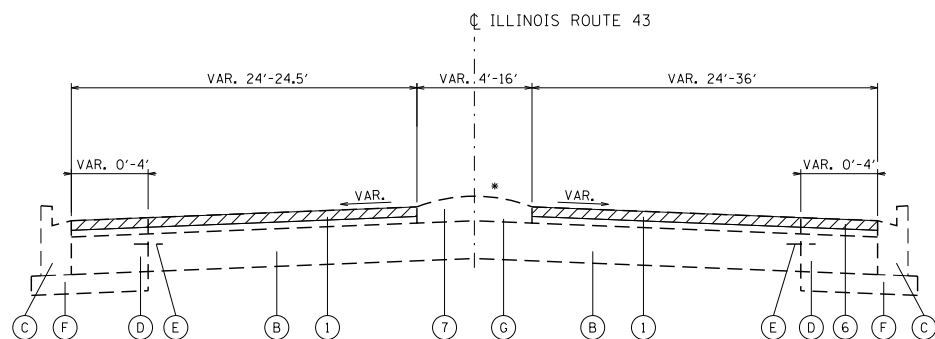
THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

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 SPECIAL PROVISIONS.

* OCP APPLIES TO THIS MIXTURE

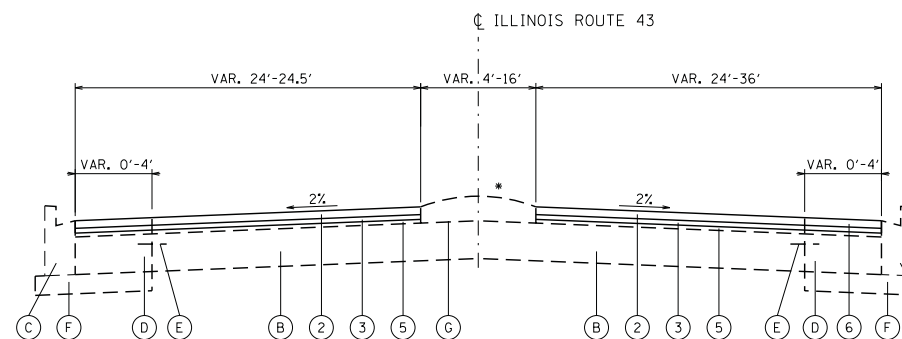
NOTE:
THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING. SEE DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT.



EXISTING TYPICAL SECTION

STA. 251+52 TO STA. 273+49

* 4' BARRIER MEDIAN: STA. 273+13 TO STA. 273+49



PROPOSED TYPICAL SECTION

STA. 251+52 TO STA. 273+49

* 4' BARRIER MEDIAN: STA. 273+13 TO STA. 273+49

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PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 2/6/2013 9:50:09 AM
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PEN TABLE: standard-trans.tbl



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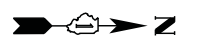
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

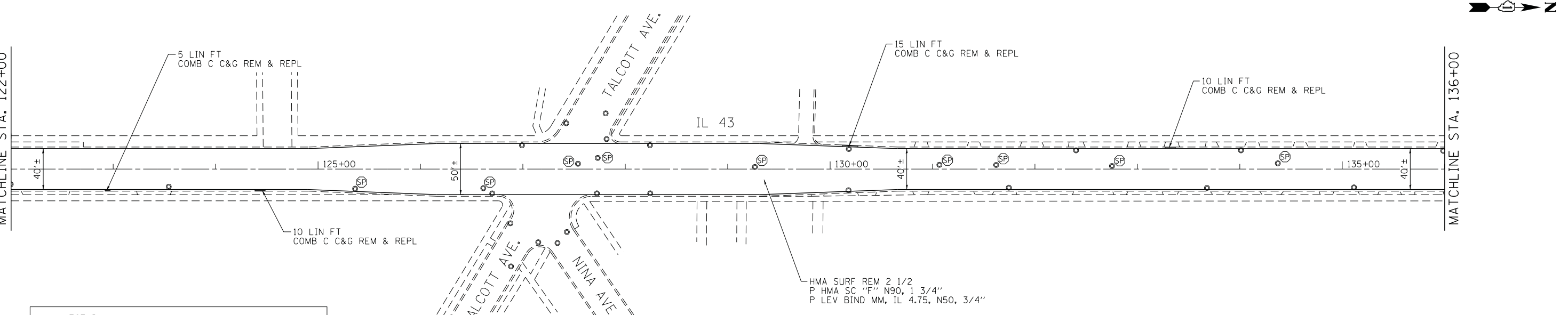
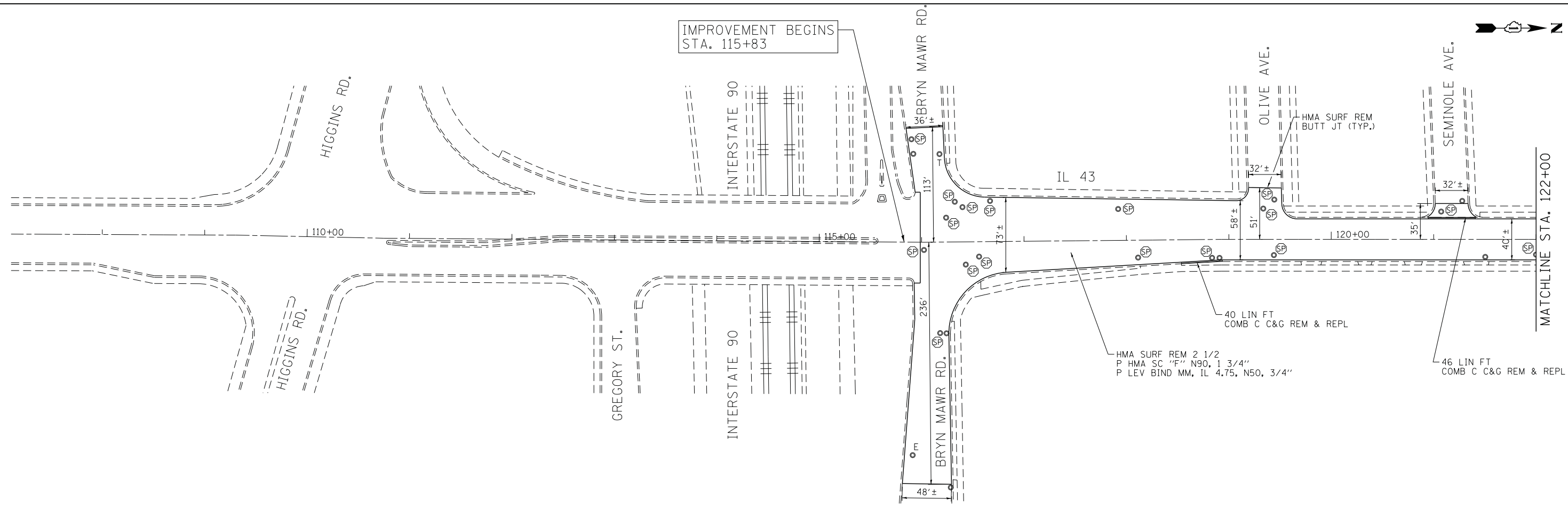
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

86100196.15-tyo.dgn



IMPROVEMENT BEGINS
STA. 115+83



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- E ELECTRIC
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS (ADJUSTMENTS PERFORMED BY OTHERS)
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- ⊔ FRAMES AND LIDS TO BE ADJUSTED

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
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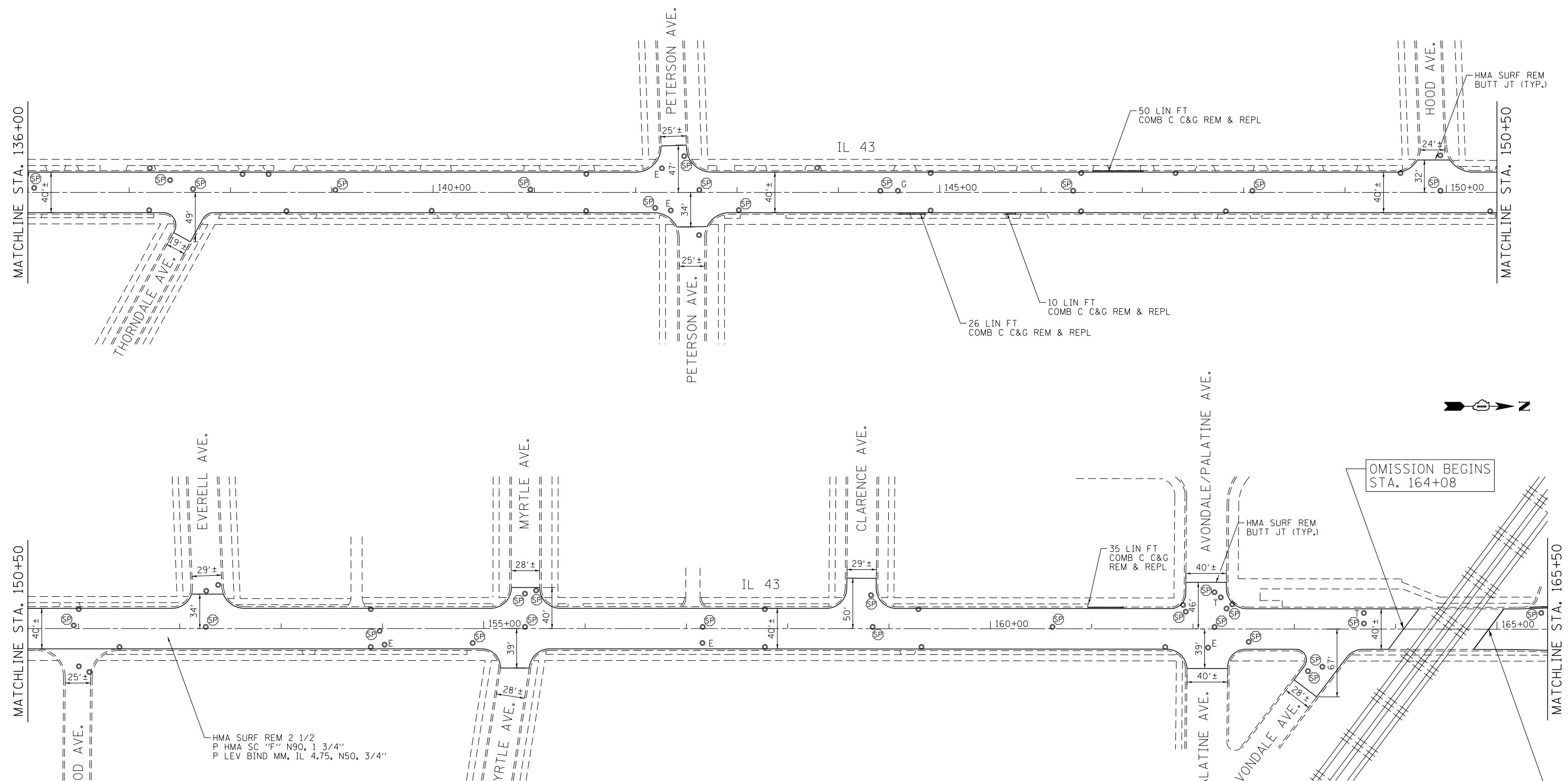
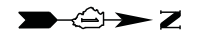
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 1 OF 6 SHEETS STA. 115+83 TO STA. 136+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

86100196.15
86100196.15
86100196.15-plan-01.dgn



LEGEND

- ▭ EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- E ELECTRIC
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS (ADJUSTMENTS PERFORMED BY OTHERS)
- SP FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- ADJ FRAMES AND LIDS TO BE ADJUSTED

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

OMISSION BEGINS
 STA. 164+08

OMISSION ENDS
 STA. 164+92

COMPANY NAME: HRGreen
 PROJECT CONTACT: [Name]
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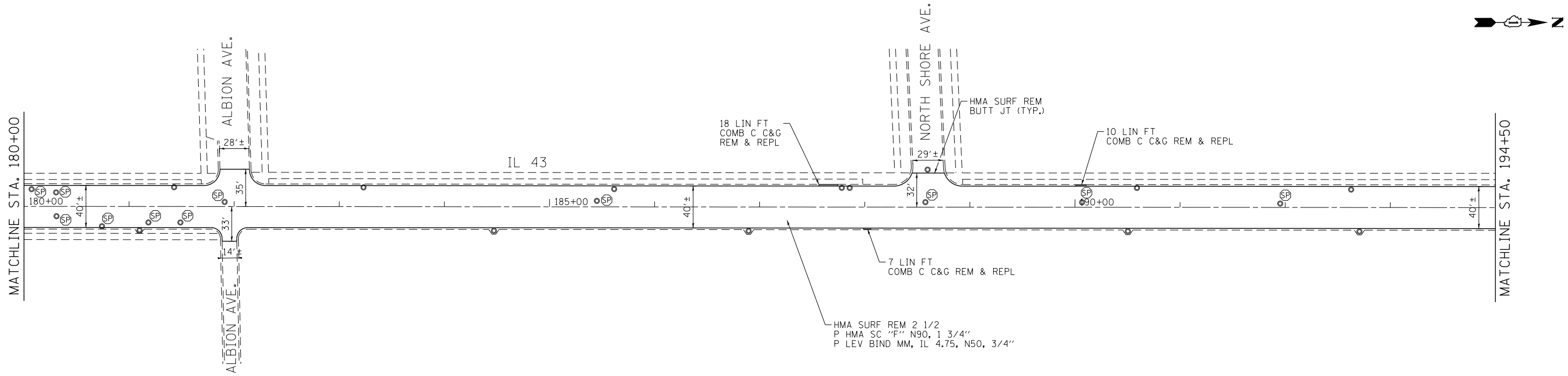
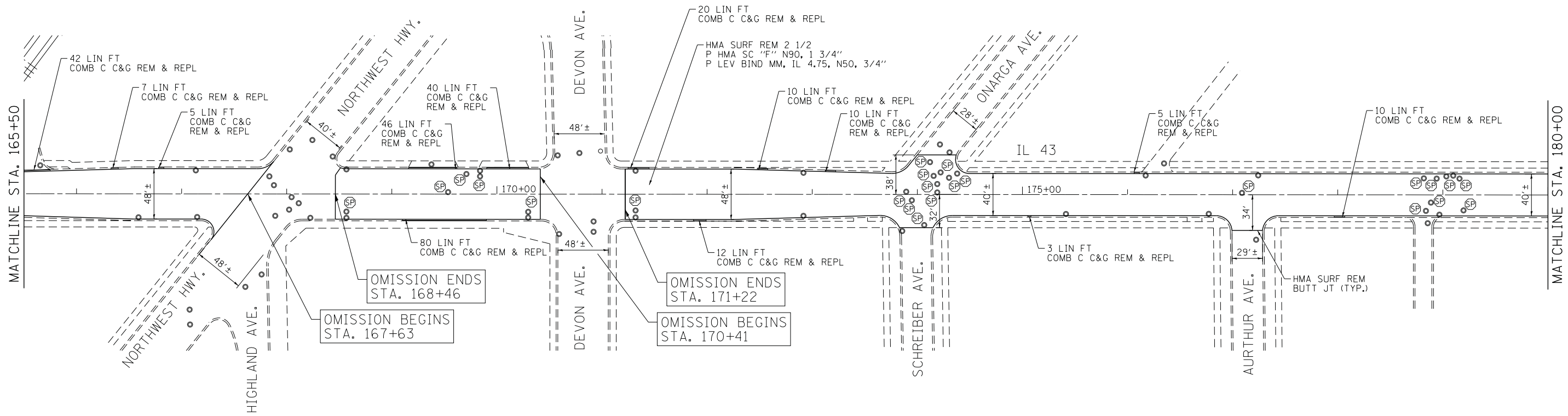
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 2 OF 6 SHEETS STA. 136+00 TO STA. 165+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

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 86100196.15-plan-02.dgn



LEGEND	
□	EXISTING INLET
○	EXISTING CATCH BASIN
⊙	EXISTING MANHOLE
E	ELECTRIC
T	TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
G	GAS (ADJUSTMENTS PERFORMED BY OTHERS)
⊕	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
⊞	FRAMES AND LIDS TO BE ADJUSTED

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
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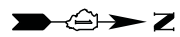
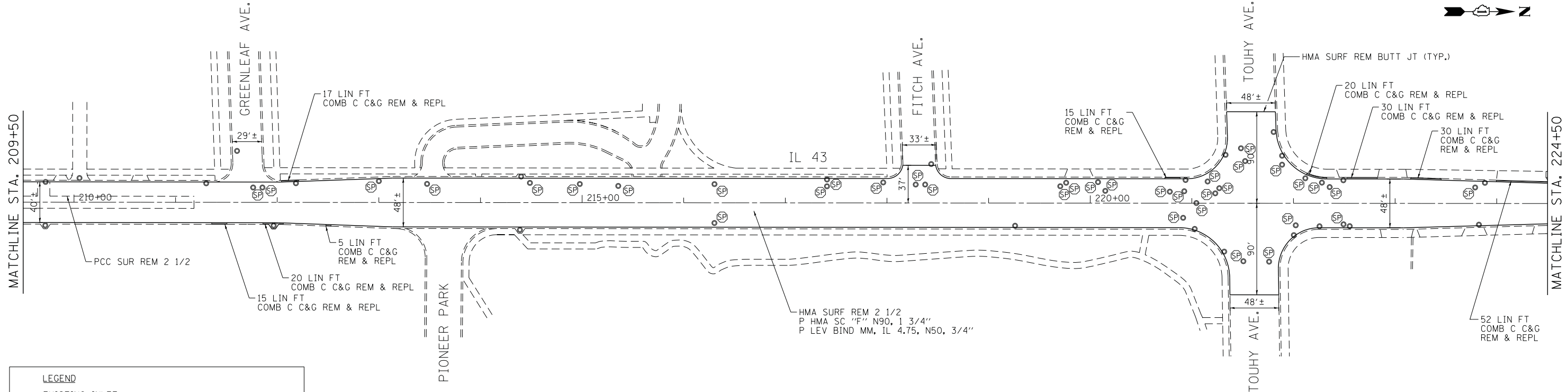
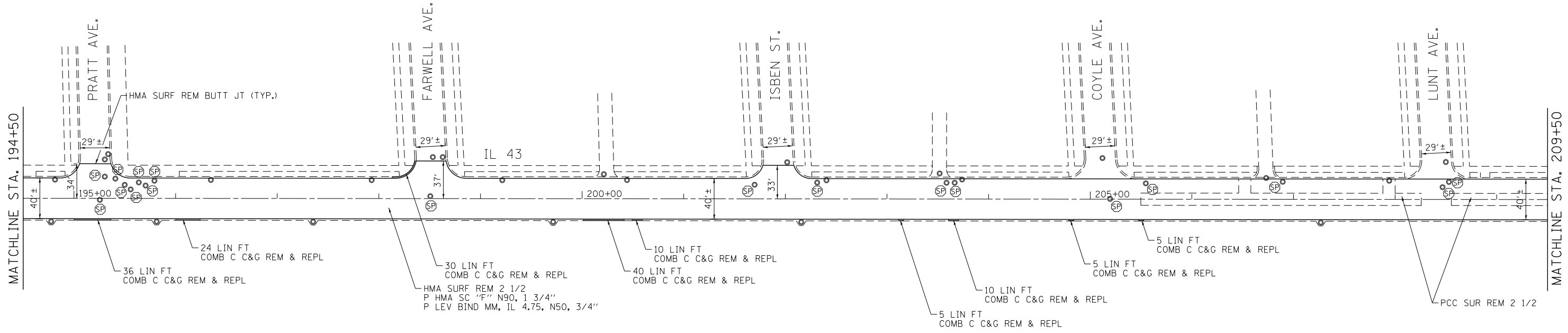
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 3 OF 6 SHEETS STA. 165+50 TO STA. 194+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

86100196.15-plan-03.dgn



LEGEND

- ▭ EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- E ELECTRIC
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS (ADJUSTMENTS PERFORMED BY OTHERS)
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- ⊕ FRAMES AND LIDS TO BE ADJUSTED

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
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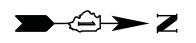
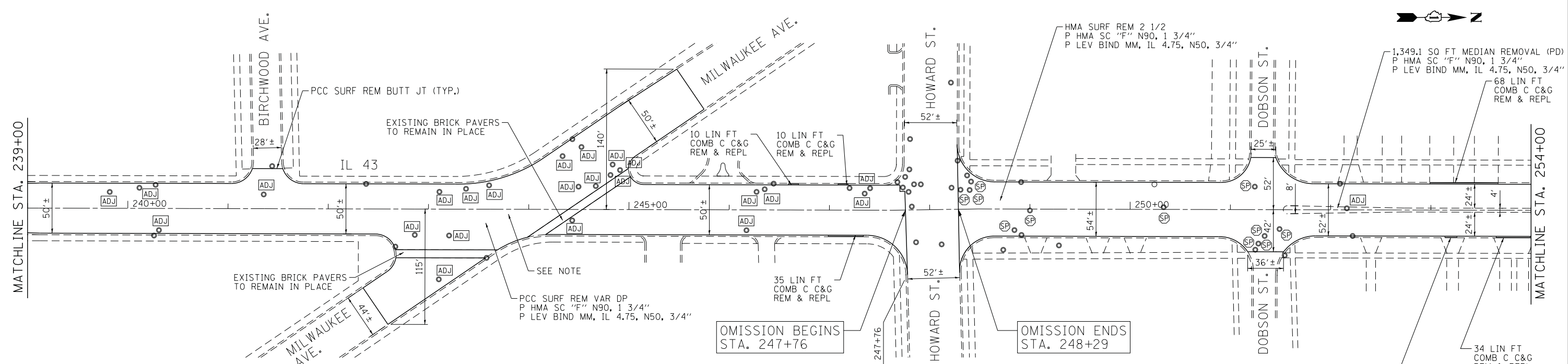
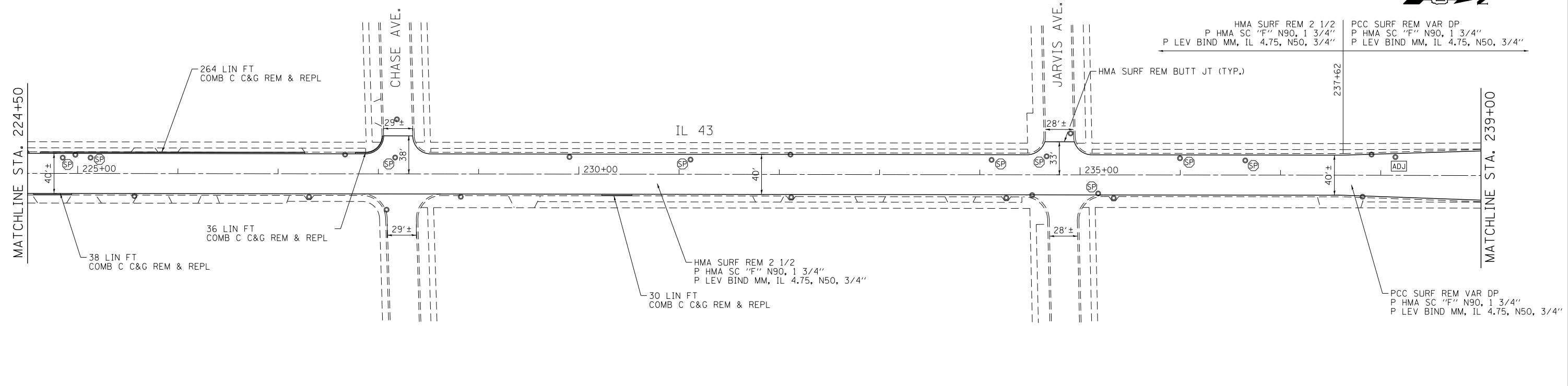
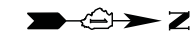
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN	
ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)	
SCALE: 1"=50'	SHEET NO. 4 OF 6 SHEETS
STA. 194+50	TO STA. 224+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

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LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- E ELECTRIC
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS (ADJUSTMENTS PERFORMED BY OTHERS)
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- ⊕ FRAMES AND LIDS TO BE ADJUSTED

NOTE:
 THE CONTRACTOR WILL BE REQUIRED TO COORDINATE AND SCHEDULE THEIR CONSTRUCTION ACTIVITIES WITH AN ADJACENT CONSTRUCTION PROJECT ON IL 21 (CONTRACT NO. 63622) WHICH WORK INCLUDES BRICK PAVER CROSSWALKS AND NEW CURB AND GUTTER.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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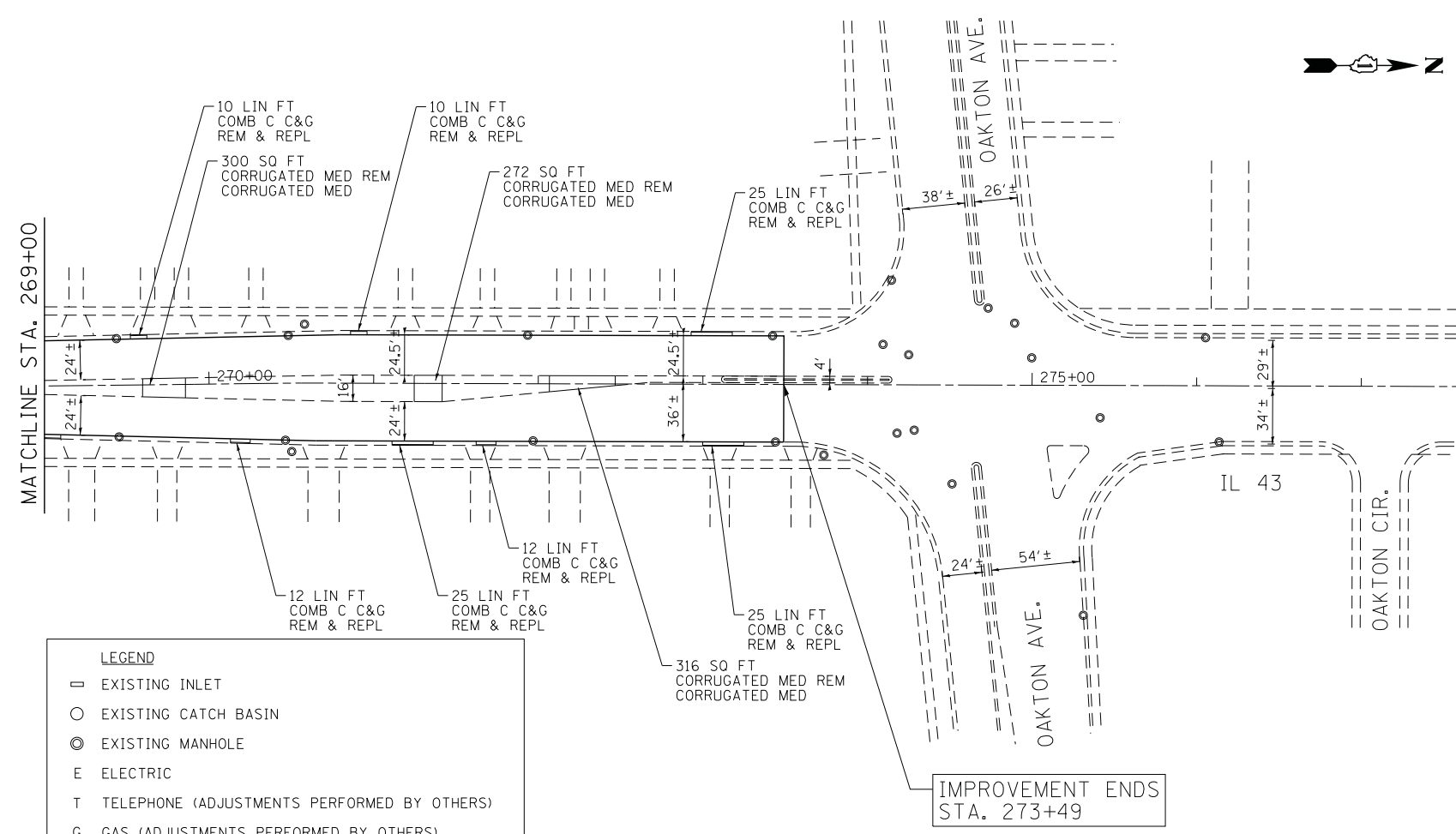
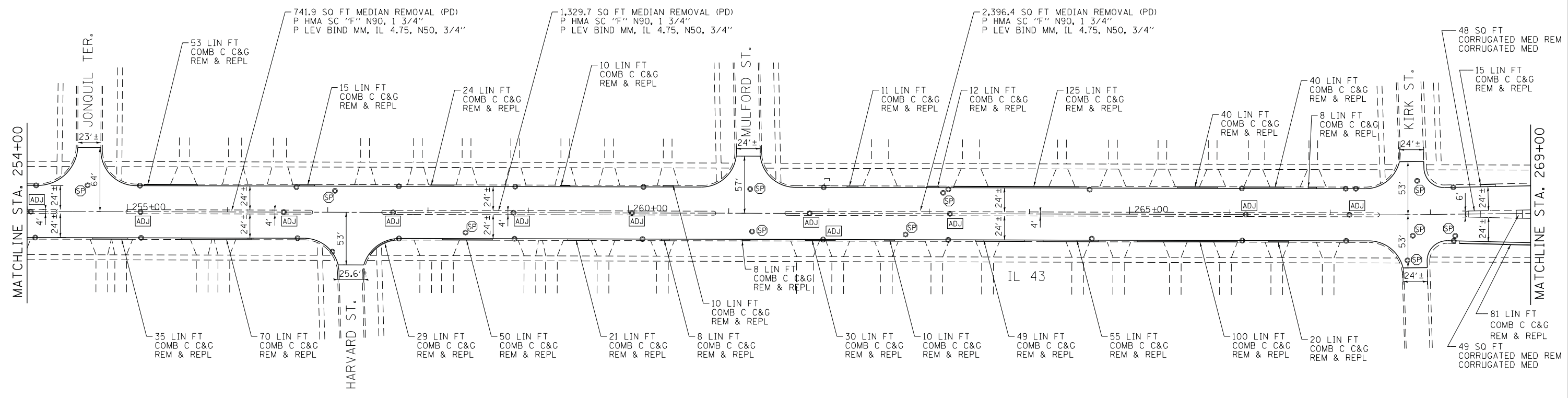
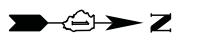
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	DATE - 2/6/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 5 OF 6 SHEETS STA. 224+50 TO STA. 248+66

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	13
CONTRACT NO. 60R07				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- E ELECTRIC
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS (ADJUSTMENTS PERFORMED BY OTHERS)
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- ADJ FRAMES AND LIDS TO BE ADJUSTED

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 2/6/2013 9:30:42 PM
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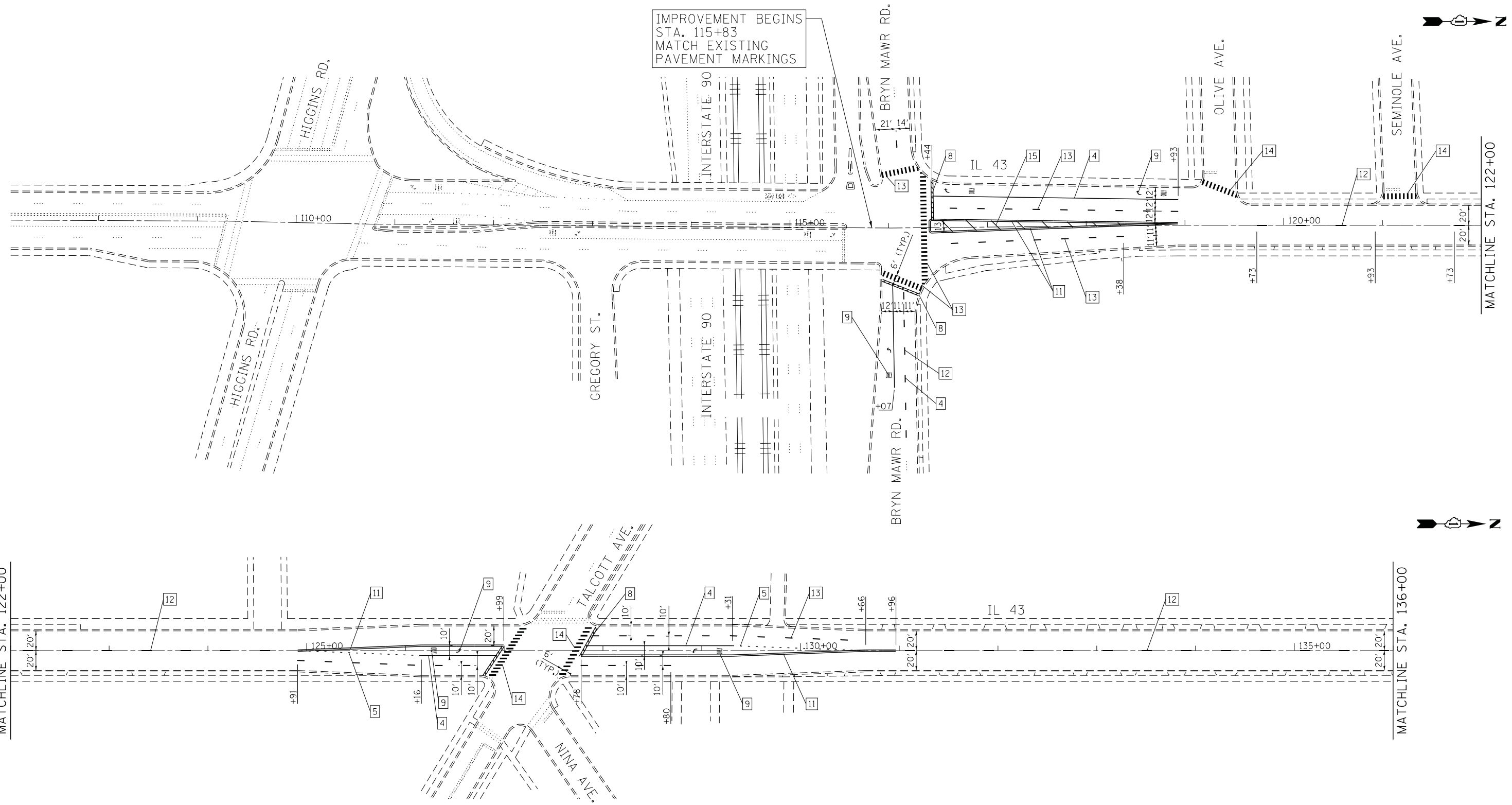
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 6 OF 6 SHEETS STA. 254+00 TO STA. END

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	14
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 60R07



IMPROVEMENT BEGINS
STA. 115+83
MATCH EXISTING
PAVEMENT MARKINGS

MATCHLINE STA. 122+00

MATCHLINE STA. 136+00

IDOT DISTRICT 1 LEGEND

- | | |
|--|---|
| 1 LINE 4" (DOUBLE YELLOW SOLID LINES, 11" C-C) | 6 LINE 12" (WHITE SOLID LINE) |
| 2 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 7 LINE 12" (YELLOW DIAGONAL LINE, 75' C-C OR 5 MIN) |
| 3 LINE 4" (WHITE SOLID LINE) | 8 LINE 24" (WHITE STOP BAR) |
| 4 LINE 6" (WHITE SOLID LINE) | 9 LETTERS AND SYMBOLS (TYP.) (SEE NOTE 3) |
| 5 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 10 LINE 4" (YELLOW SOLID LINE) |

CITY OF CHICAGO LEGEND

- | |
|--|
| 11 LINE 4" (DOUBLE YELLOW SOLID LINES, 8" C-C) |
| 12 LINE 4" (YELLOW LANE LINE - 6' DASH, 18' SKIP) |
| 13 LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP) |
| 14 LINE 24" (WHITE CROSSWALK LINE, 2' SPACING) |
| 15 LINE 12" (YELLOW DIAGONAL LINE, 20' C-C OR 5 MIN) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED NORTH OF TOUHY AVE. INTERSECTION (STA. 222+00) TO THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
- CITY OF CHICAGO PAVEMENT MARKINGS SHALL BE USED FROM STA. 115+83 TO STA. 222+00. SEE DISTRICT DETAIL TC-24.



COMPANY NAME: HRGreen.com
PROJECT CONTACT: Illinois Professional Design Firm #184-001322
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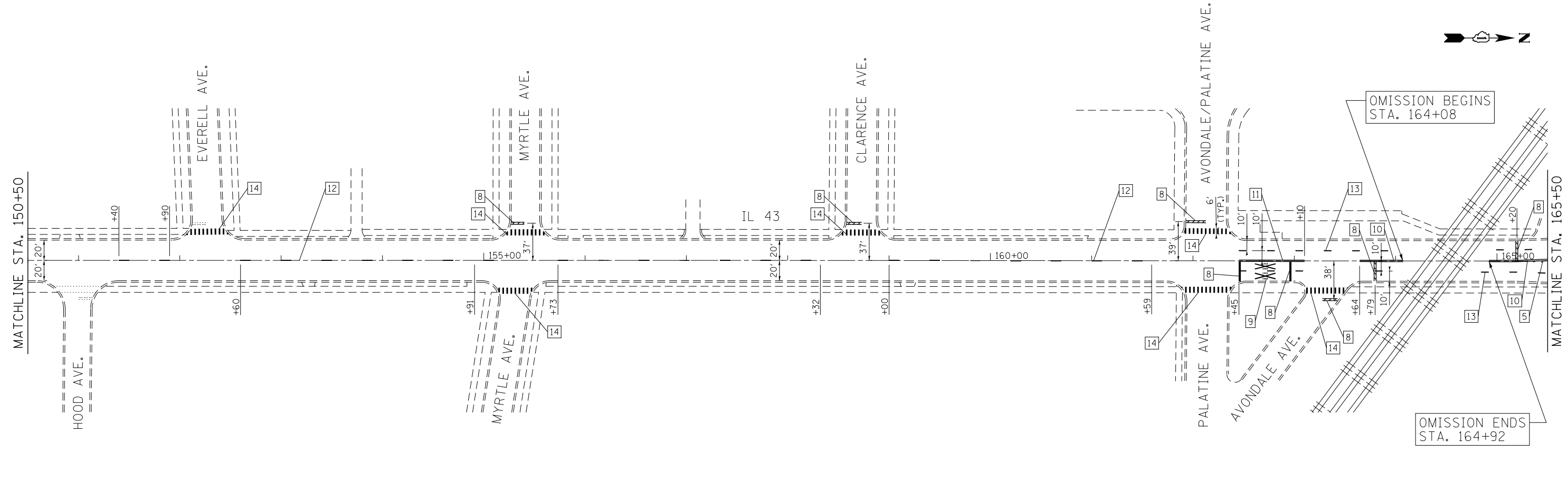
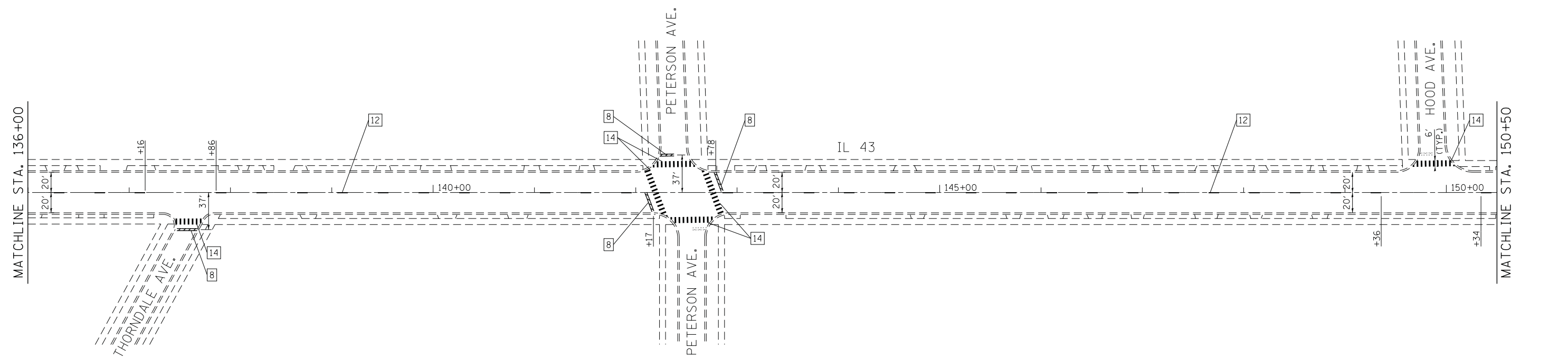
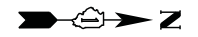
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 1 OF 6 SHEETS STA. 115+83 TO STA. 136+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

86100196.15
86100196.15-pm-01.dgn



IDOT DISTRICT 1 LEGEND

- | | |
|--|---|
| 1 LINE 4" (DOUBLE YELLOW SOLID LINES, 11" C-C) | 6 LINE 12" (WHITE SOLID LINE) |
| 2 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 7 LINE 12" (YELLOW DIAGONAL LINE, 75' C-C OR 5 MIN) |
| 3 LINE 4" (WHITE SOLID LINE) | 8 LINE 24" (WHITE STOP BAR) |
| 4 LINE 6" (WHITE SOLID LINE) | 9 LETTERS AND SYMBOLS (TYP.) (SEE NOTE 3) |
| 5 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 10 LINE 4" (YELLOW SOLID LINE) |

CITY OF CHICAGO LEGEND

- | |
|--|
| 11 LINE 4" (DOUBLE YELLOW SOLID LINES, 8" C-C) |
| 12 LINE 4" (YELLOW LANE LINE - 6' DASH, 18' SKIP) |
| 13 LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP) |
| 14 LINE 24" (WHITE CROSSWALK LINE, 2' SPACING) |
| 15 LINE 12" (YELLOW DIAGONAL LINE, 20' C-C OR 5 MIN) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED NORTH OF TOUHY AVE. INTERSECTION (STA. 222+00) TO THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
- CITY OF CHICAGO PAVEMENT MARKINGS SHALL BE USED FROM STA. 115+83 TO STA. 222+00. SEE DISTRICT DETAIL TC-24.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
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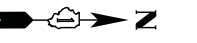
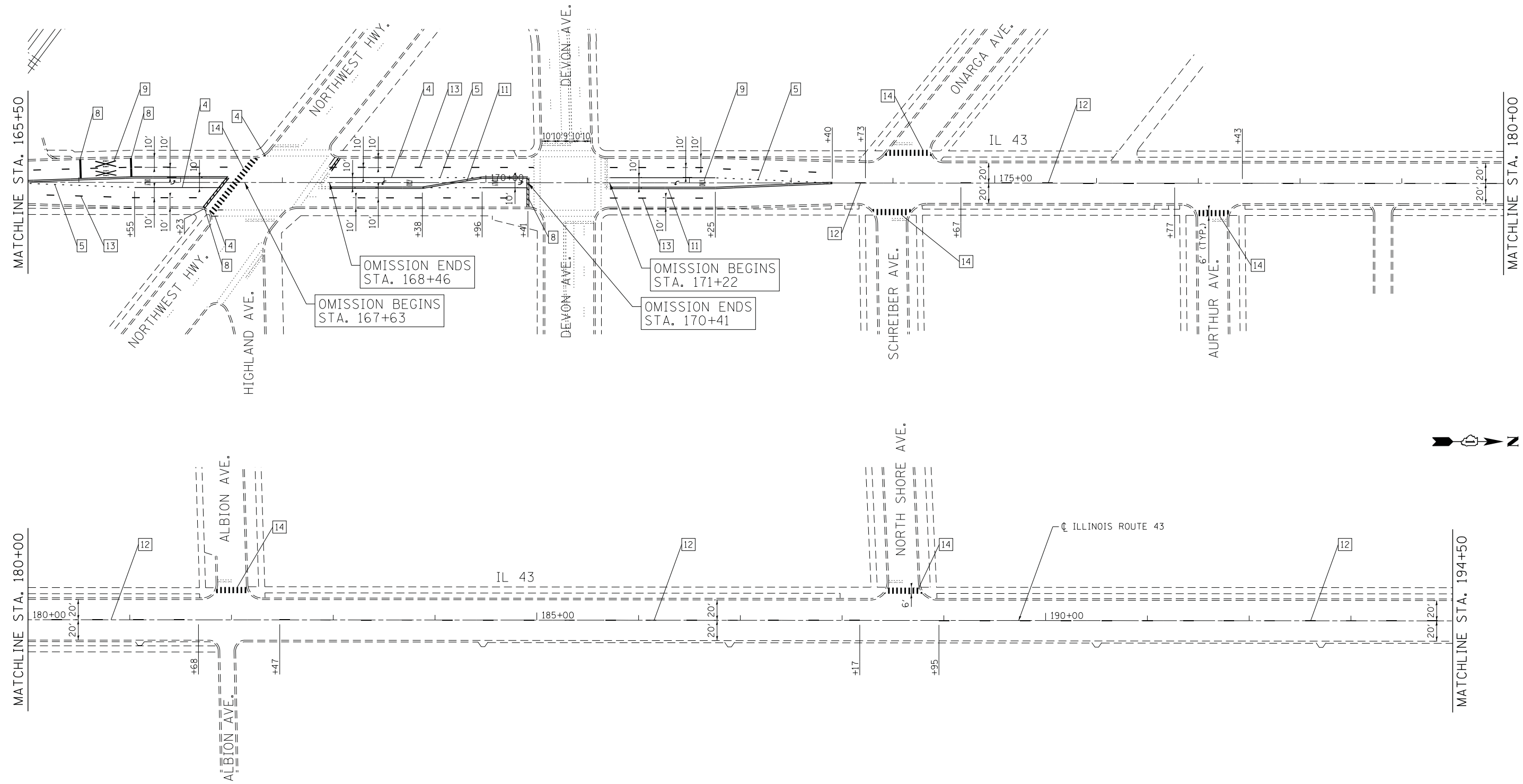
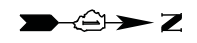
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 2 OF 6 SHEETS STA. 136+00 TO STA. 165+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	16
FED. ROAD DIST. NO.			CONTRACT NO. 60R07	
ILLINOIS FED. AID PROJECT				

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86100196.15
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IDOT DISTRICT 1 LEGEND

- | | |
|--|---|
| 1 LINE 4" (DOUBLE YELLOW SOLID LINES, 11" C-C) | 6 LINE 12" (WHITE SOLID LINE) |
| 2 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 7 LINE 12" (YELLOW DIAGONAL LINE, 75' C-C OR 5 MIN) |
| 3 LINE 4" (WHITE SOLID LINE) | 8 LINE 24" (WHITE STOP BAR) |
| 4 LINE 6" (WHITE SOLID LINE) | 9 LETTERS AND SYMBOLS (TYP.) (SEE NOTE 3) |
| 5 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 10 LINE 4" (YELLOW SOLID LINE) |

CITY OF CHICAGO LEGEND

- | |
|--|
| 11 LINE 4" (DOUBLE YELLOW SOLID LINES, 8" C-C) |
| 12 LINE 4" (YELLOW LANE LINE - 6' DASH, 18' SKIP) |
| 13 LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP) |
| 14 LINE 24" (WHITE CROSSWALK LINE, 2' SPACING) |
| 15 LINE 12" (YELLOW DIAGONAL LINE, 20' C-C OR 5 MIN) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED NORTH OF TOUHY AVE. INTERSECTION (STA. 222+00) TO THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
- CITY OF CHICAGO PAVEMENT MARKINGS SHALL BE USED FROM STA. 115+83 TO STA. 222+00. SEE DISTRICT DETAIL TC-24.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
 DATE PLOTTED: 2/6/2013 9:30:59 PM
 FILE NAME: 86100196.15-pm-03.dgn
 PLOT DRIVER: pdmplot
 PEN TABLE: standard-trans.tbl



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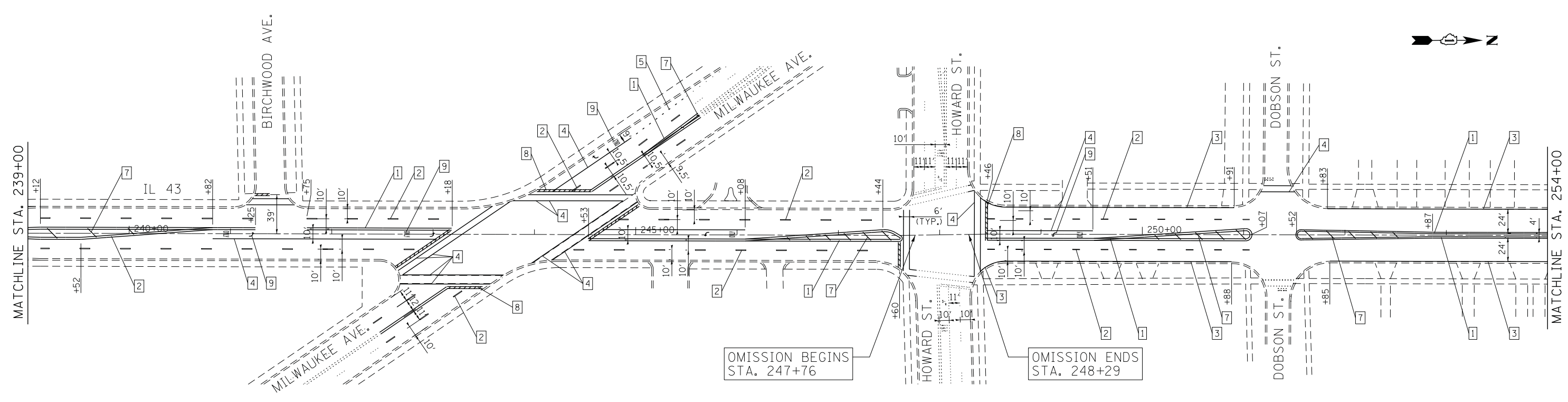
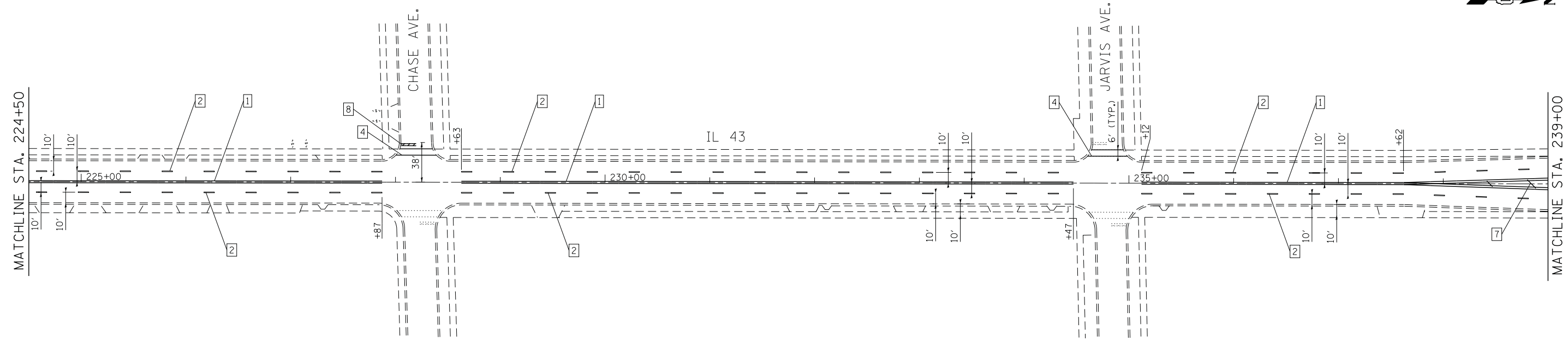
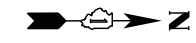
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 3 OF 6 SHEETS STA. 165+50 TO STA. 194+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

86100196.15
86100196.15-pm-03.dgn



OMISSION BEGINS
STA. 247+76

OMISSION ENDS
STA. 248+29

IDOT DISTRICT 1 LEGEND

- | | |
|--|---|
| 1 LINE 4" (DOUBLE YELLOW SOLID LINES, 11" C-C) | 6 LINE 12" (WHITE SOLID LINE) |
| 2 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 7 LINE 12" (YELLOW DIAGONAL LINE, 75' C-C OR 5 MIN) |
| 3 LINE 4" (WHITE SOLID LINE) | 8 LINE 24" (WHITE STOP BAR) |
| 4 LINE 6" (WHITE SOLID LINE) | 9 LETTERS AND SYMBOLS (TYP.) (SEE NOTE 3) |
| 5 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 10 LINE 4" (YELLOW SOLID LINE) |

CITY OF CHICAGO LEGEND

- | |
|--|
| 11 LINE 4" (DOUBLE YELLOW SOLID LINES, 8" C-C) |
| 12 LINE 4" (YELLOW LANE LINE - 6' DASH, 18' SKIP) |
| 13 LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP) |
| 14 LINE 24" (WHITE CROSSWALK LINE, 2' SPACING) |
| 15 LINE 12" (YELLOW DIAGONAL LINE, 20' C-C OR 5 MIN) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED NORTH OF TOUHY AVE. INTERSECTION (STA. 222+00) TO THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
- CITY OF CHICAGO PAVEMENT MARKINGS SHALL BE USED FROM STA. 115+83 TO STA. 222+00. SEE DISTRICT DETAIL TC-24.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 2/6/2013 9:31:09 PM
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 PLOT DRIVER: pafplot
 PEN TABLE: standard-trans.tbl



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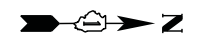
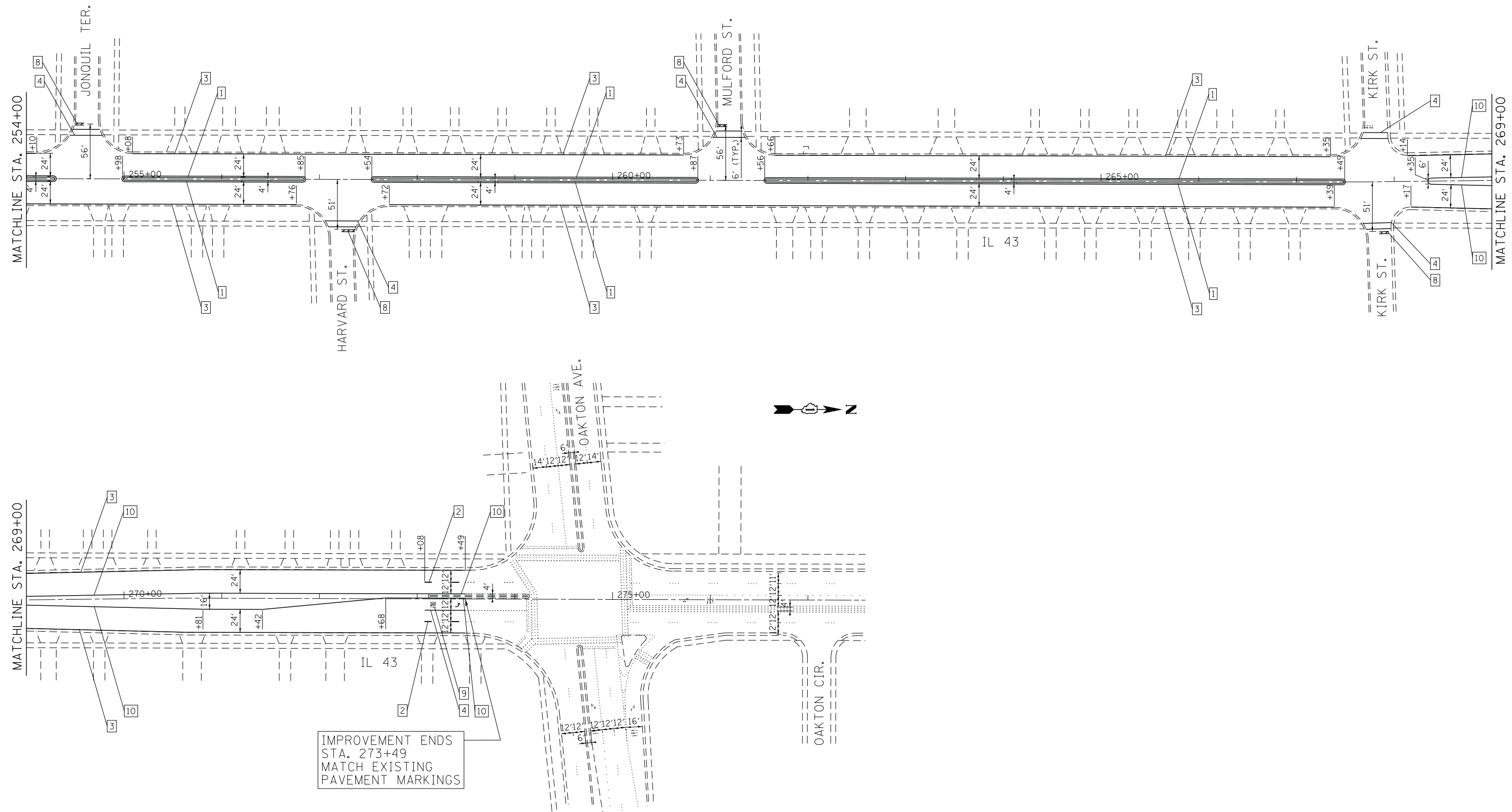
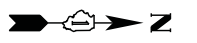
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 5 OF 6 SHEETS STA. 224+50 TO STA. 248+86

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	19
CONTRACT NO. 60R07				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

86100196.15
86100196.15
86100196.15-pm-05.dgn



IDOT DISTRICT 1 LEGEND

- | | |
|--|---|
| 1 LINE 4" (DOUBLE YELLOW SOLID LINES, 11" C-C) | 6 LINE 12" (WHITE SOLID LINE) |
| 2 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 7 LINE 12" (YELLOW DIAGONAL LINE, 75' C-C OR 5 MIN) |
| 3 LINE 4" (WHITE SOLID LINE) | 8 LINE 24" (WHITE STOP BAR) |
| 4 LINE 6" (WHITE SOLID LINE) | 9 LETTERS AND SYMBOLS (TYP.) (SEE NOTE 3) |
| 5 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 10 LINE 4" (YELLOW SOLID LINE) |

CITY OF CHICAGO LEGEND

- | |
|--|
| 11 LINE 4" (DOUBLE YELLOW SOLID LINES, 8" C-C) |
| 12 LINE 4" (YELLOW LANE LINE - 6' DASH, 18' SKIP) |
| 13 LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP) |
| 14 LINE 24" (WHITE CROSSWALK LINE, 2' SPACING) |
| 15 LINE 12" (YELLOW DIAGONAL LINE, 20' C-C OR 5 MIN) |

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED NORTH OF TOUHY AVE. INTERSECTION (STA. 222+00) TO THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
- CITY OF CHICAGO PAVEMENT MARKINGS SHALL BE USED FROM STA. 115+83 TO STA. 222+00. SEE DISTRICT DETAIL TC-24.

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 2/6/2013 9:51:04 PM
 FILE NAME: 86100196.15-pm-06.dgn
 PLOT DRIVER: pdtplot
 PEN TABLE: standard-trans.tbl



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	DRAWN - SMP	REVISED -
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PLOT DATE = 2/6/2013	DATE - 2/6/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ILLINOIS ROUTE 43 (IL RTE. 72 TO OAKTON ST.)**

SCALE: 1"=50' SHEET NO. 6 OF 6 SHEETS STA. 254+00 TO STA. END

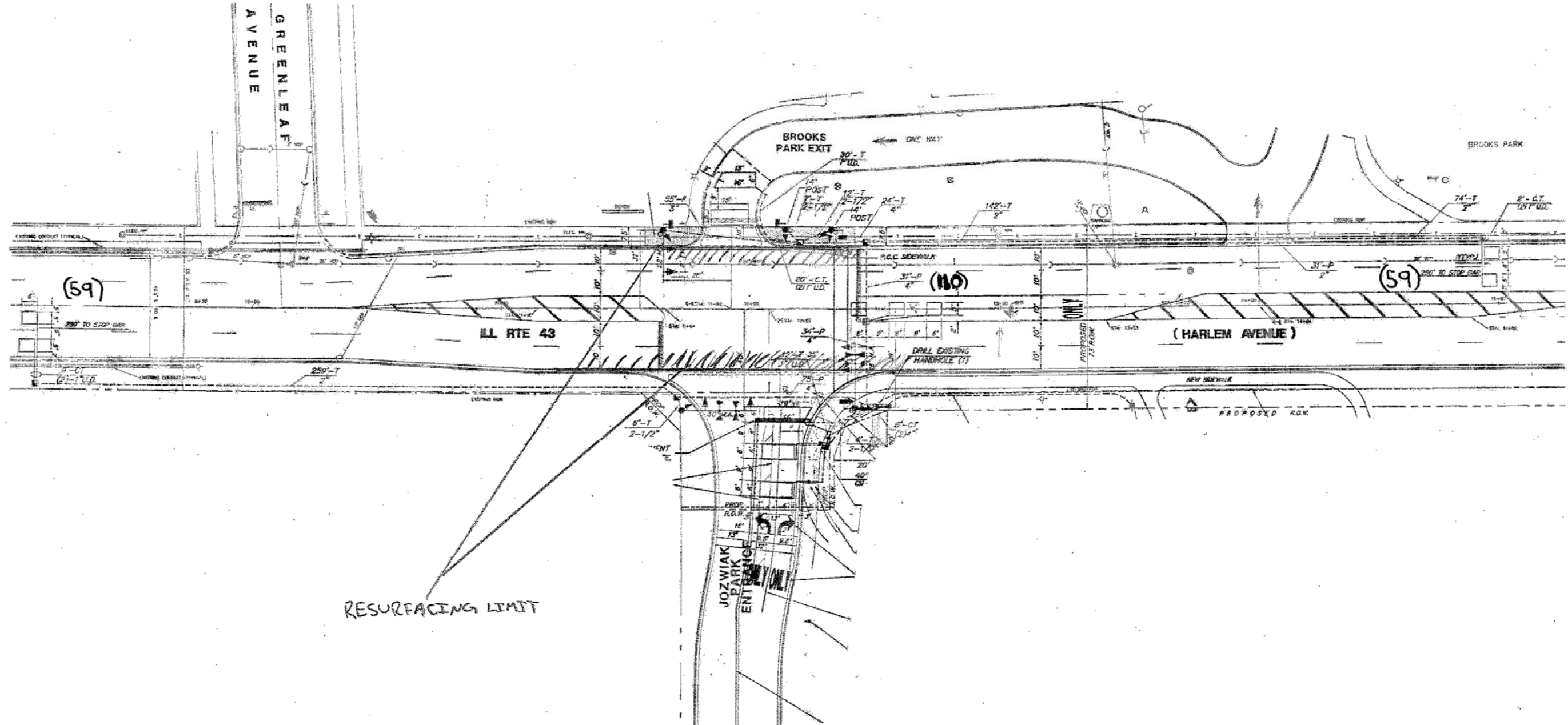
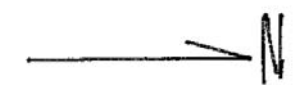
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

86100196.15
86100196.15-pm-06.dgn

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	228	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 1/4/2013 12:45:37 PM
 FILE NAME: 86100196.15-sig-07.dgn
 PLOT DRIVER: pafcah
 PEN TABLE: standard-trans.tbl



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PLOT DATE = 1/4/2013	CHECKED -	REVISED -
	DATE = 1/4/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP REPLACEMENT
ILLINOIS ROUTE 43 AT PIONEER PARK**

SCALE: 1"=20' SHEET NO. 1 OF 5 SHEETS STA. TO STA.

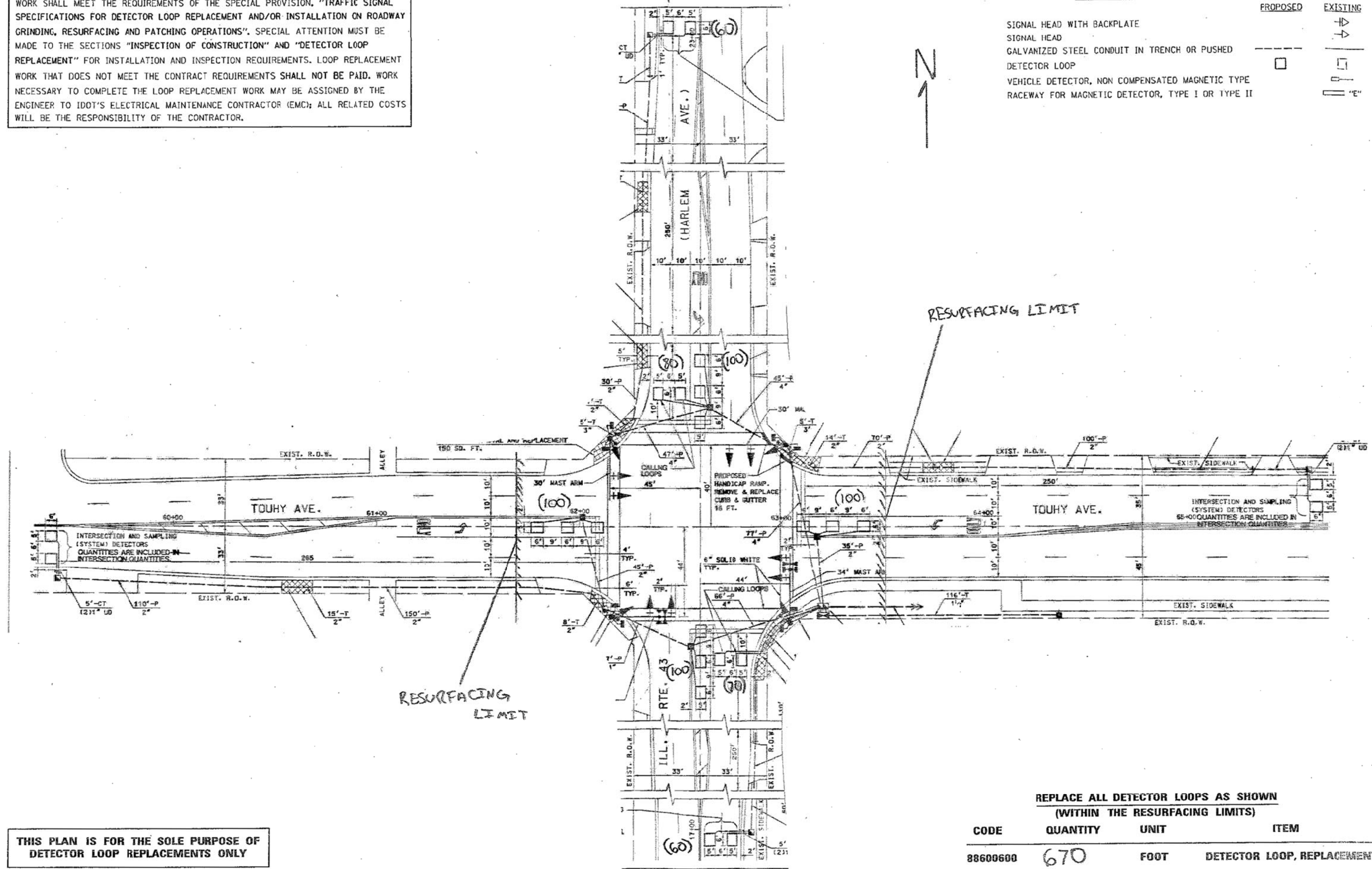
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	21

CONTRACT NO. 60R07
 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	670	FOOT	DETECTOR LOOP, REPLACEMENT

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 PROJECT CONTACT: spurnal
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 PLOT DRIVER: pafcat
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PLOT DATE = 1/4/2013	CHECKED -	REVISED -
	DATE = 1/4/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP REPLACEMENT
 ILLINOIS ROUTE 43 AT TOUHY AVENUE**

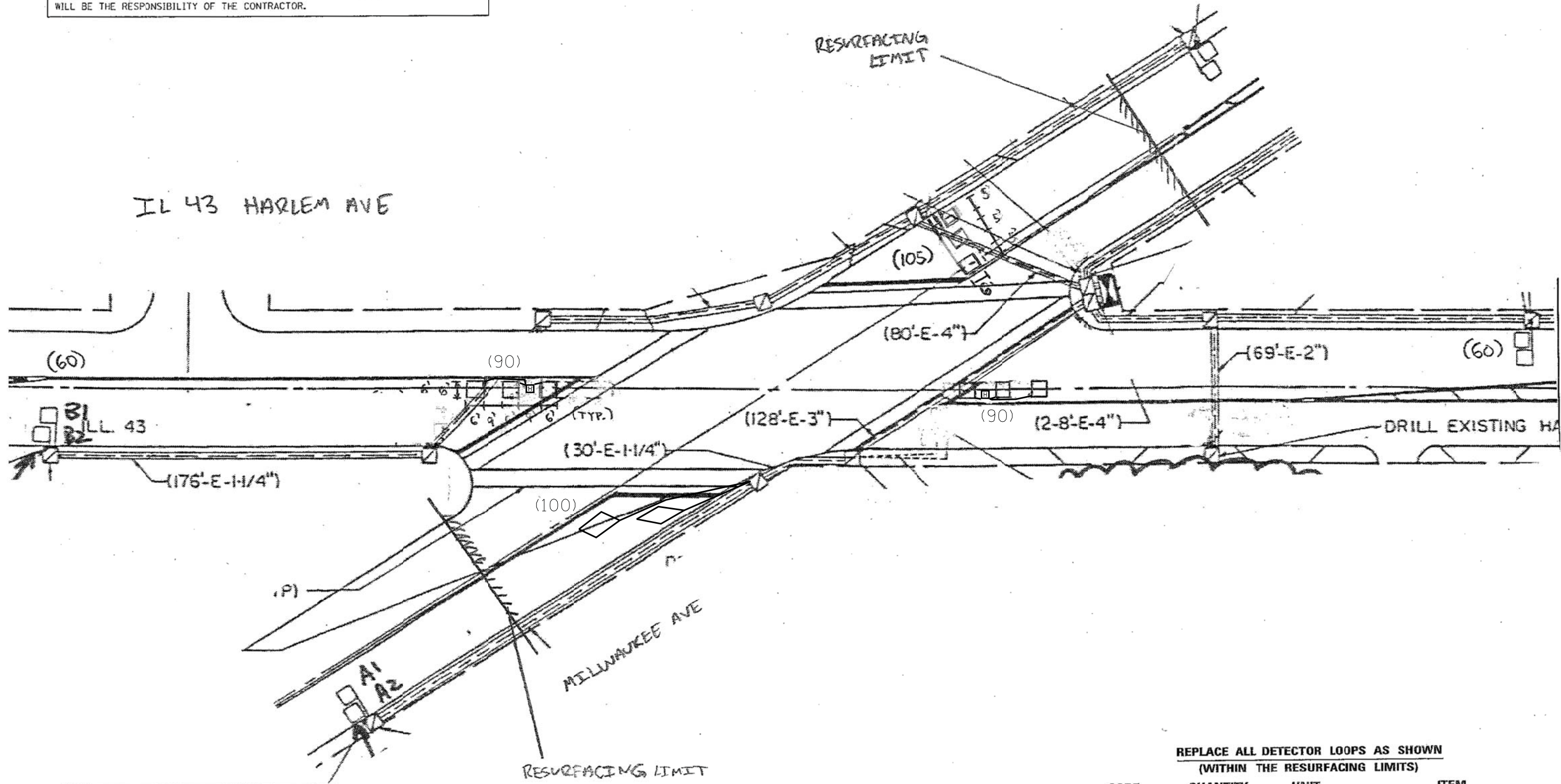
SCALE: 1"=20' SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A. RTE. 348	SECTION 2011-080-RS	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

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	505	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 1/4/2013 10:54:01 AM
 FILE NAME: 86100196.15-sig-09.dgn
 PLOT DRIVER: pdtcal
 PEN TABLE: standard-trans.tbl



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	DRAWN -	REVISED -
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PLOT DATE = 1/4/2013	DATE - 1/4/13	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP REPLACEMENT
 ILLINOIS ROUTE 43 AT MILWAUKEE AVENUE

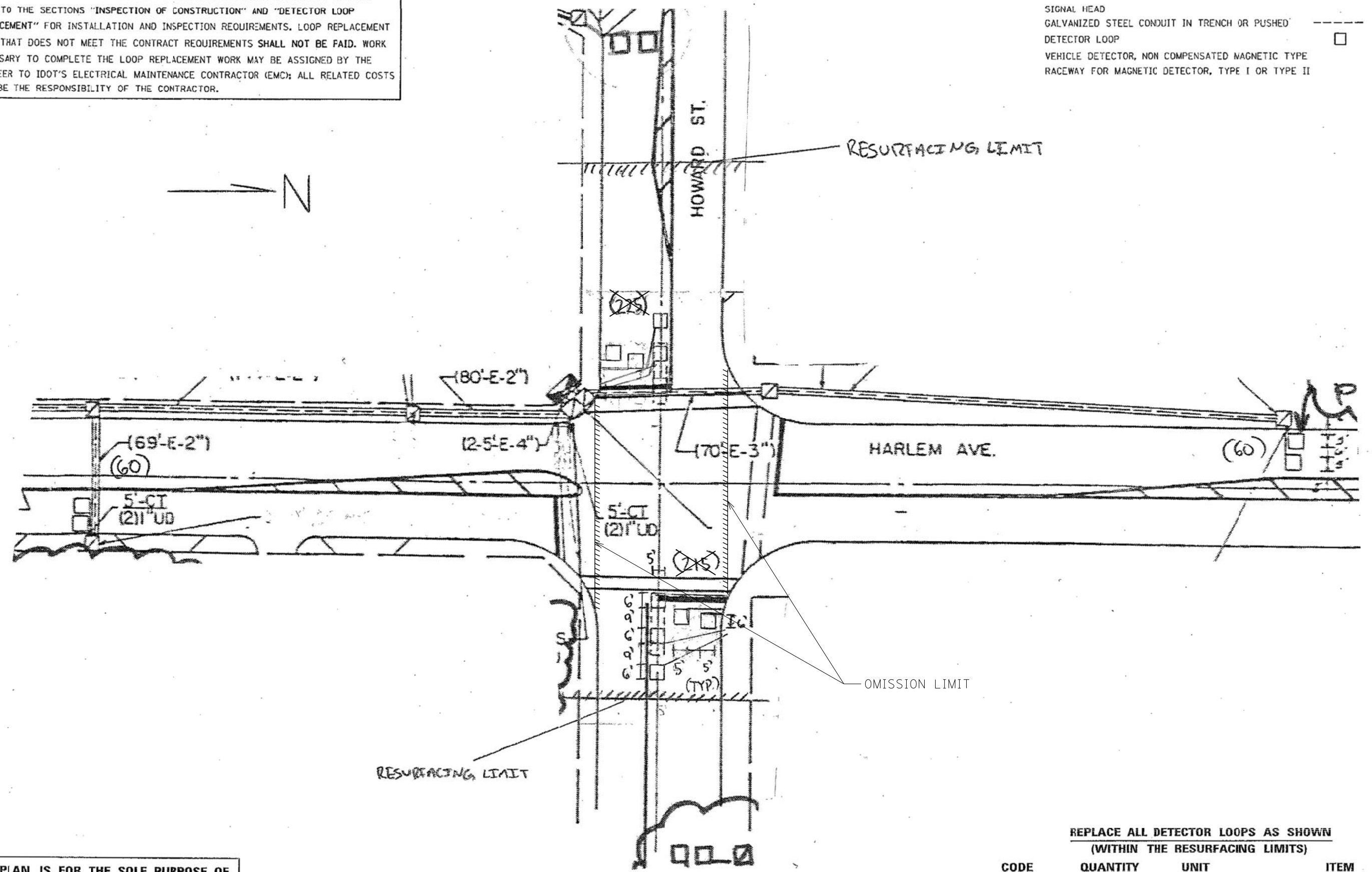
SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

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	120	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 1/4/2013 2:06:31 AM
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

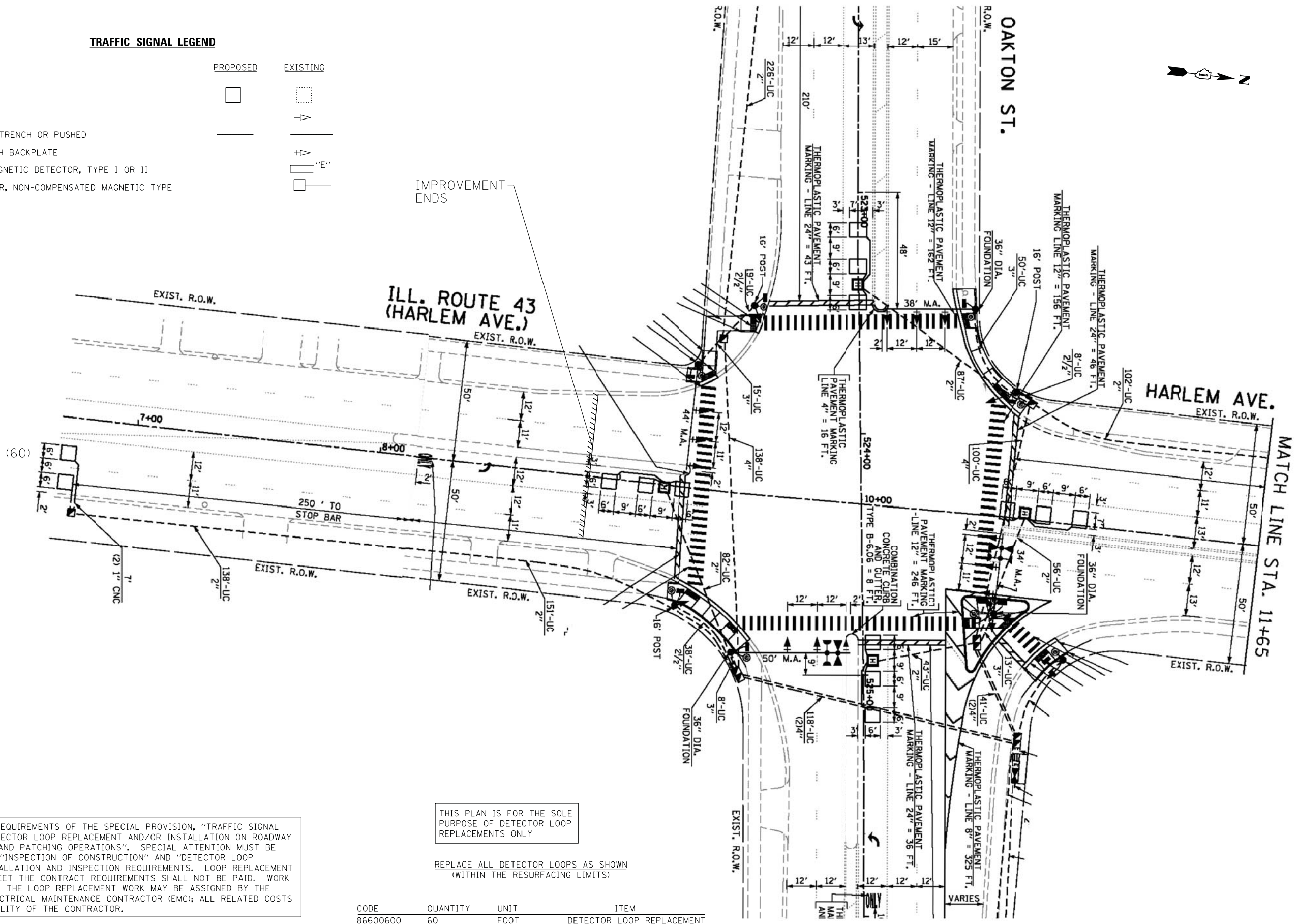
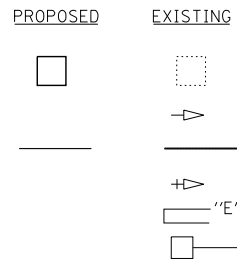
**DISTRICT 1 - DETECTOR LOOP REPLACEMENT
ILLINOIS ROUTE 43 AT HOWARD STREET**

SCALE: 1"=20' SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R07	

TRAFFIC SIGNAL LEGEND

- DETECTOR LOOP
- SIGNAL HEAD
- G.S. CONDUIT IN TRENCH OR PUSHED
- SIGNAL HEAD WITH BACKPLATE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II
- VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE



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

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

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.

CODE	QUANTITY	UNIT	ITEM
86600600	60	FOOT	DETECTOR LOOP REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: spenel
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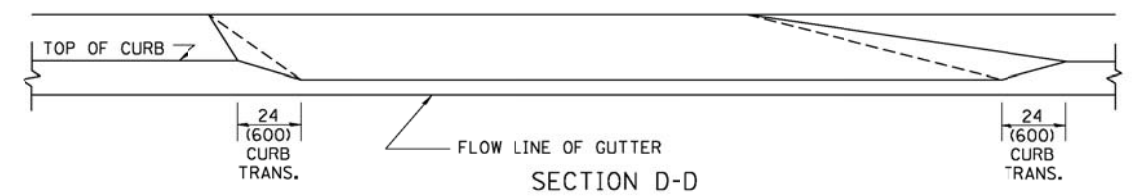
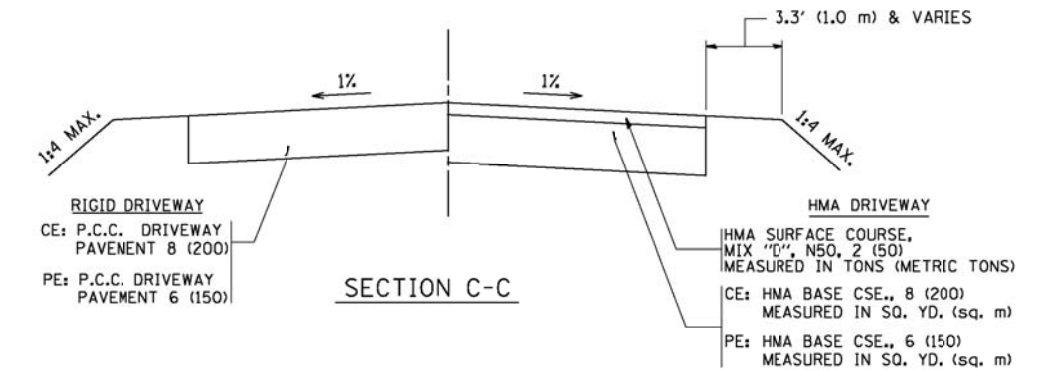
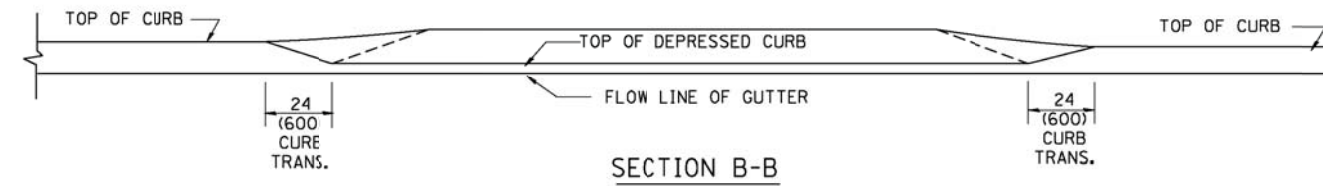
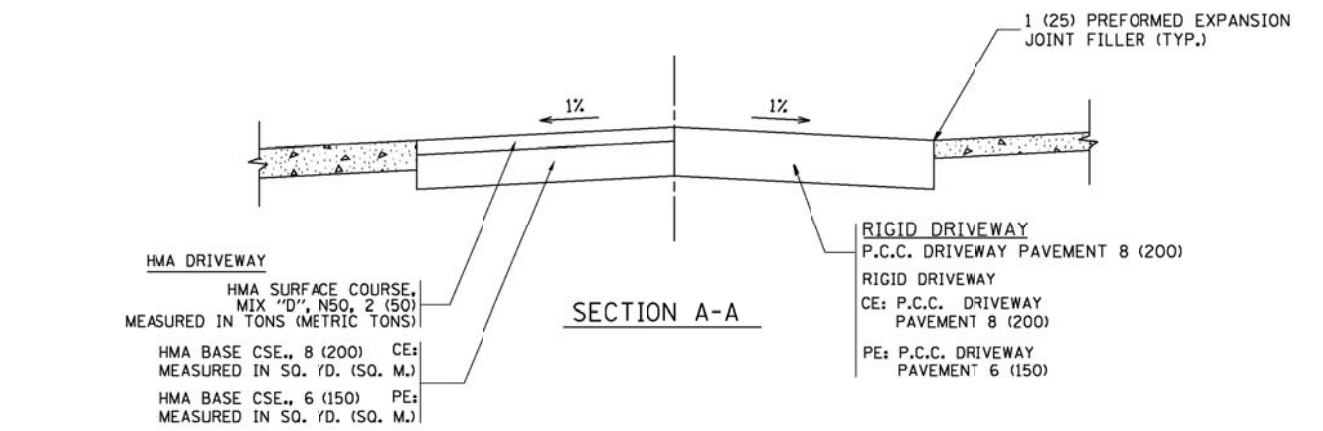
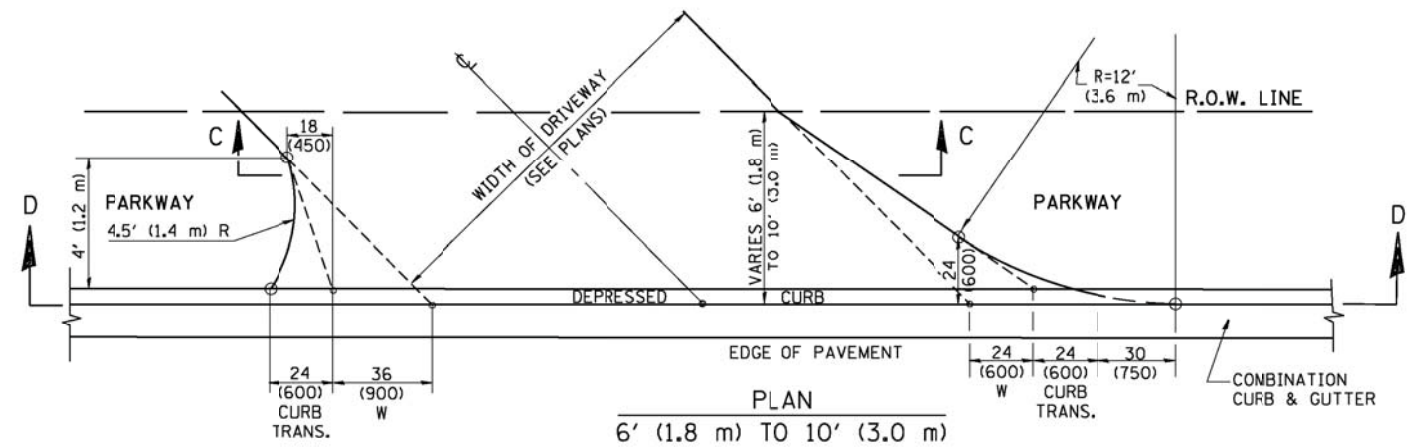
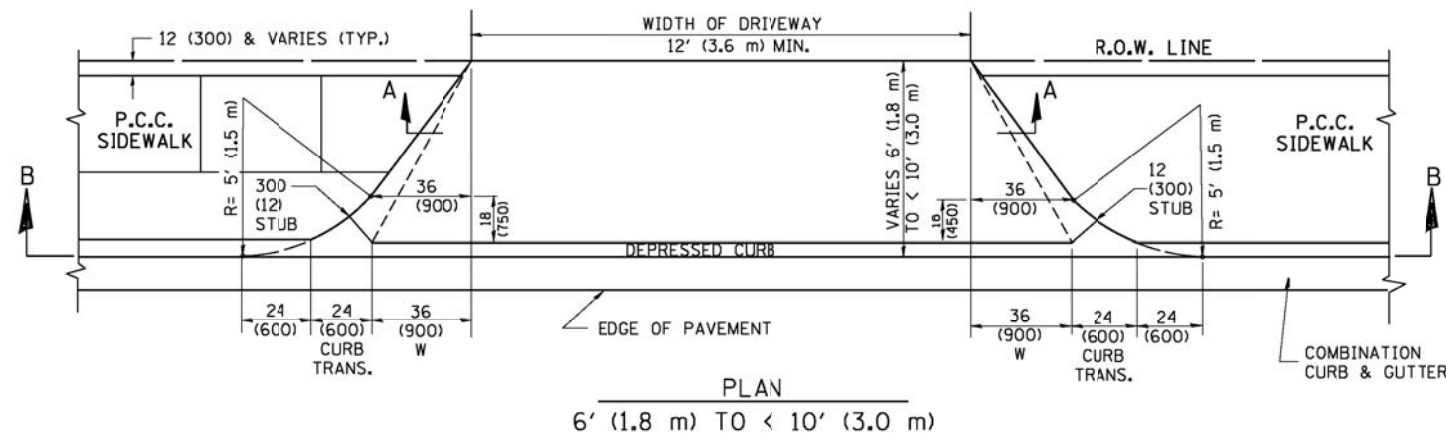
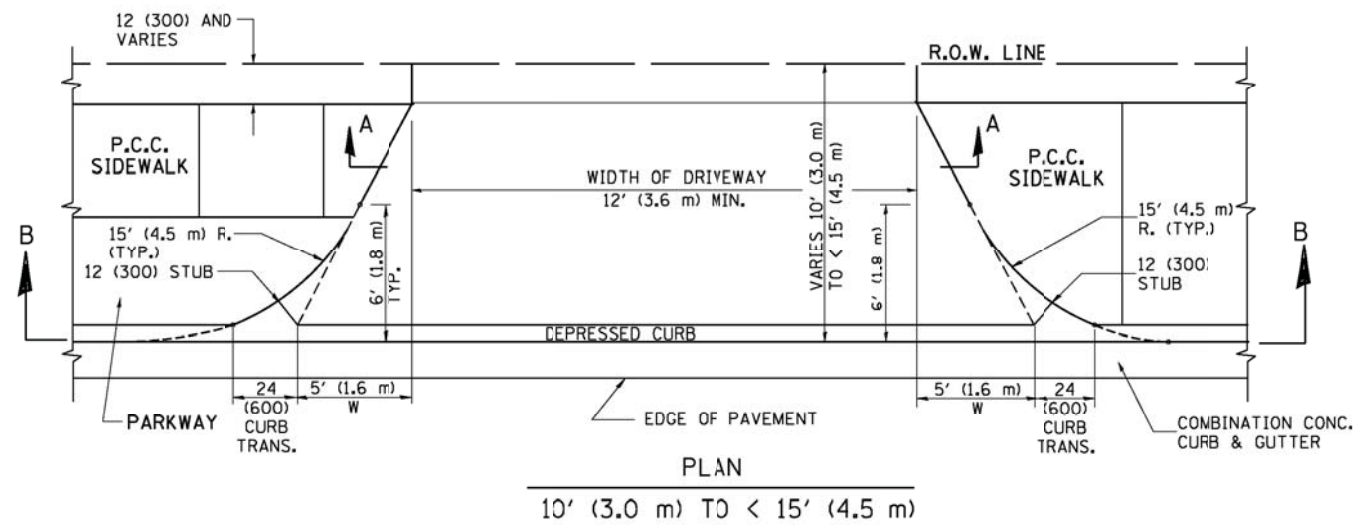
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP REPLACEMENT
ILLINOIS ROUTE 43 AT OAKTON STREET**

SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R07	

86100196.15
86100196.15-sig-11.dgn



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 ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF 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.

THE 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.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m)

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

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 1/4/2013 11:54:40 AM
FILE NAME: 86100196.15-de1-01.dgn
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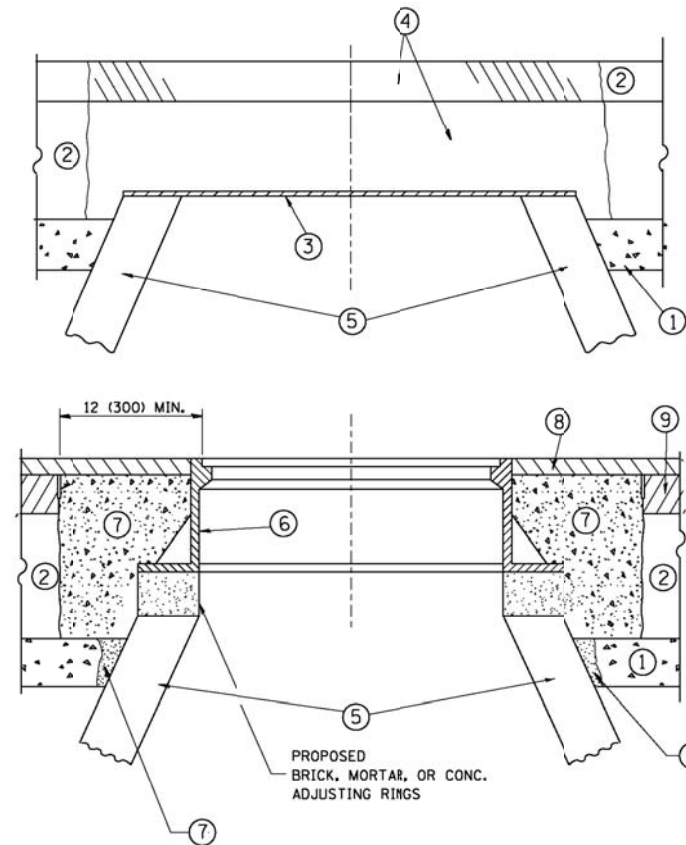


USER NAME = 10999	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
	DRAWN -	REVISED - P. LOFLEUR 04-15-03
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 10/28/2011	DATE = 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-R5	COOK	44	26
BD400-02 (BD-02)		CONTRACT NO. 60R07		
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 EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

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:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

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

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 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 1/4/2013 12:17 AM
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HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

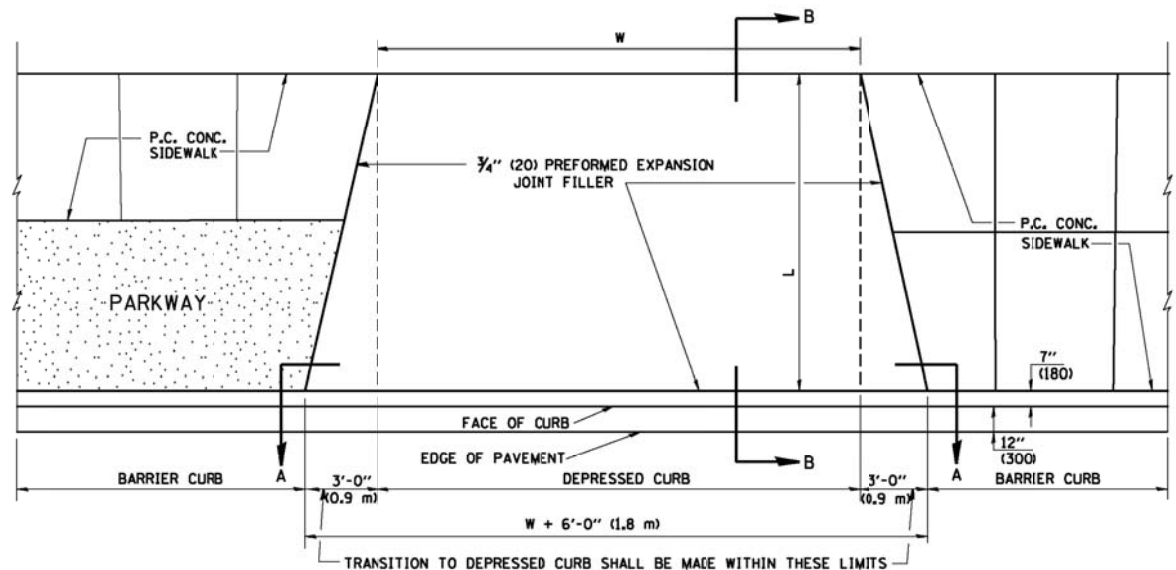
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PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**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.
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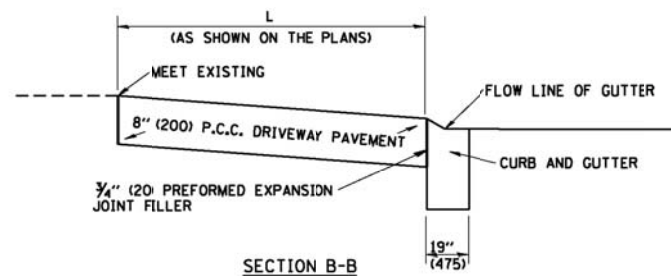
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348	2011-080-RS	COOK	44	27
BD600-03 (BD-8)		CONTRACT NO.	60R07	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



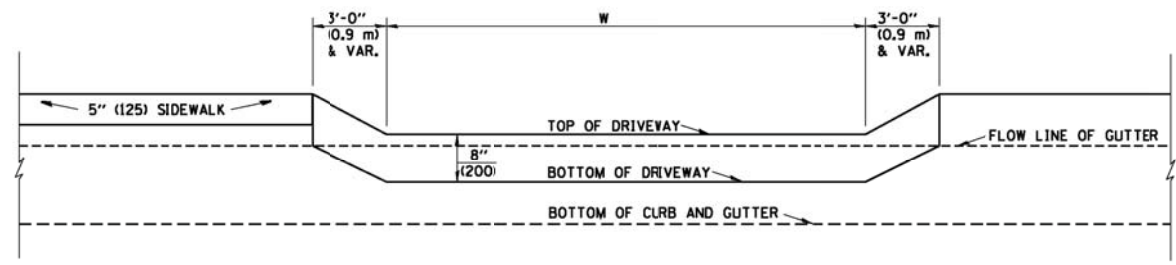
PLAN VIEW

NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR FEET (1.2 METERS)
3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. 3/4" (20) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT 8" (200).
5. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

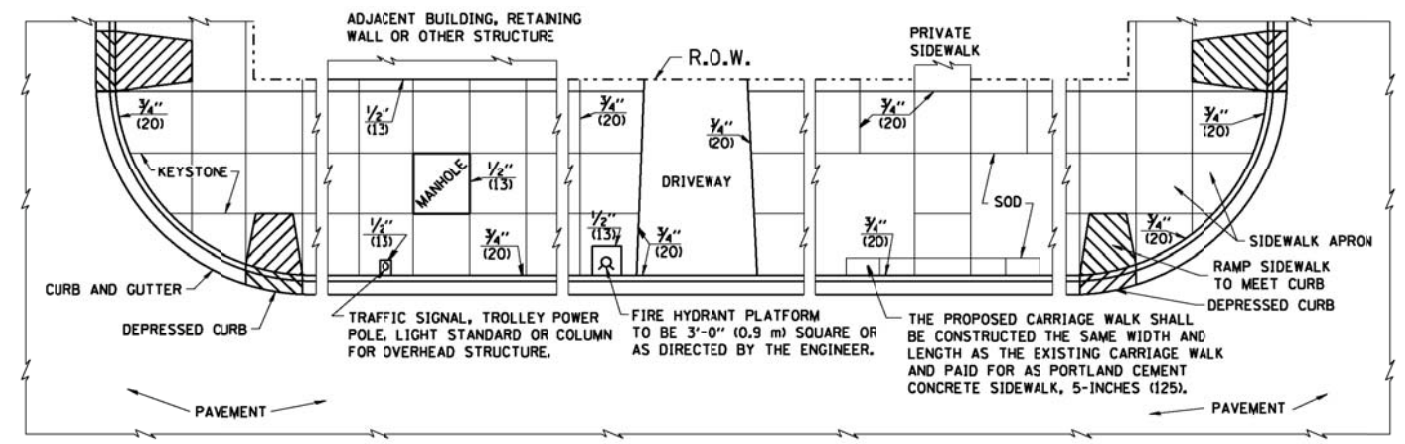


SECTION B-B



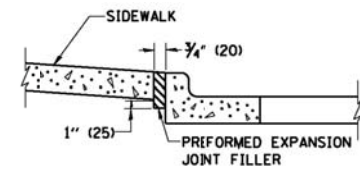
SECTION A-A

P.C.C. DRIVEWAY PAVEMENT DETAIL



NOTES:

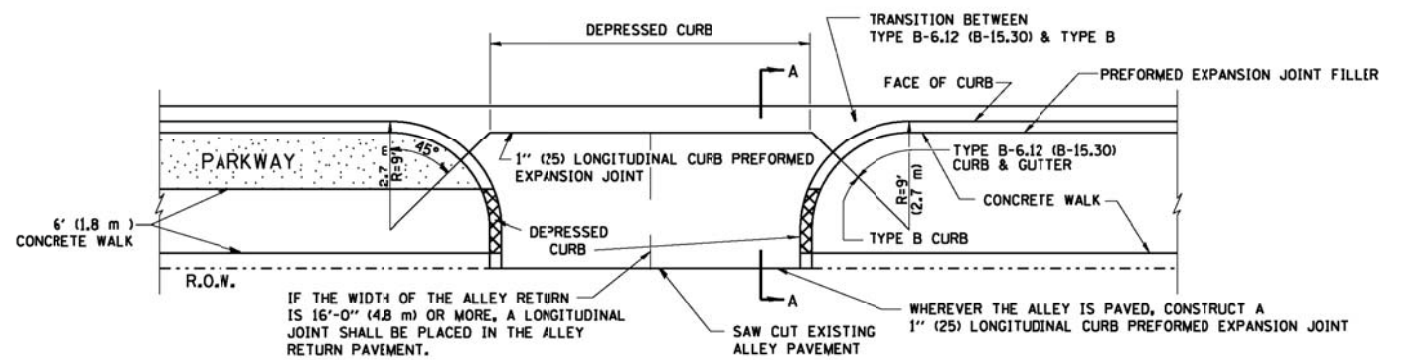
1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 3/4" (20) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET (30 METERS) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS A CURB.



SLOPE FOR SIDEWALK
1" (25) IN 3'-0" (0.9 m) IN CHICAGO

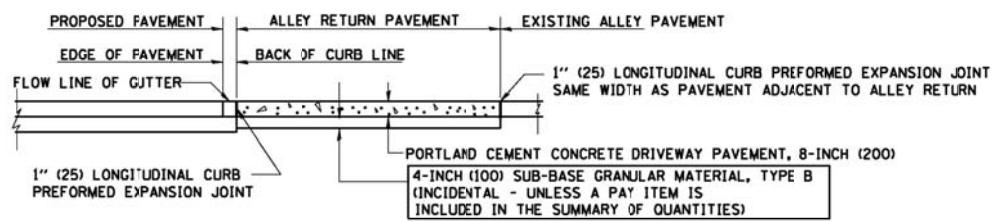
PORTLAND CEMENT CONCRETE SIDEWALK DETAILS

NOTES: NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE



SECTION A-A

ALLEY RETURN DETAIL



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PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 1/2/2013 10:18:24 PM
FILE NAME: 86100196.15-de1-03a.dgn
PLOT DRIVER: pdcfah
PEN TABLE: standard-trans.tbl



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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED -

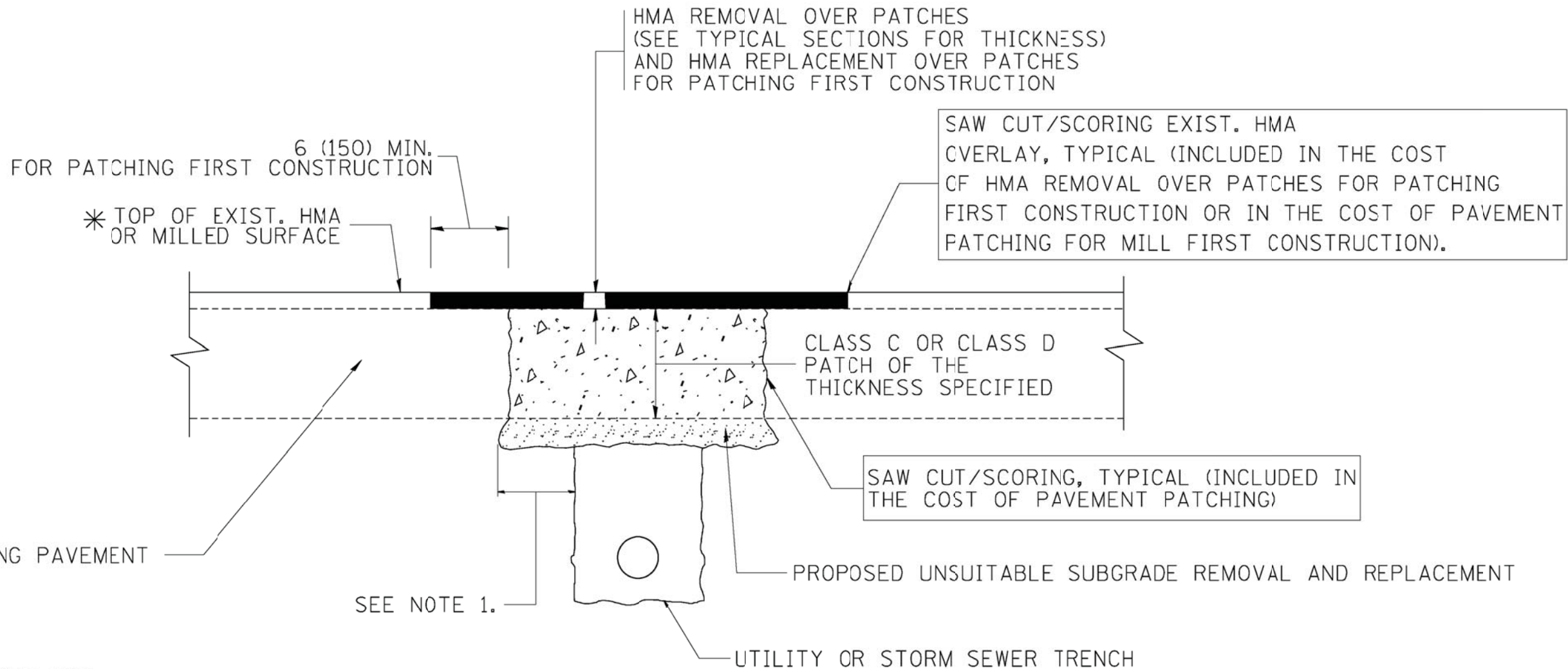
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK

F.A. RTE. = 348	SECTION = 2011-080-RS	COUNTY = COOK	TOTAL SHEETS = 44	SHEET NO. = 28
BD400-03 (BD-17)		CONTRACT NO. 60R07		
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN



* 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: 1/22/2013 10:45:36 PM
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 PEN TABLE: standard-trans.tbl

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**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.
348	2011-080-RS	COOK	44	29
BD400-04 (BD-22)		CONTRACT NO.	60R07	
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) PREFORMED 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.

UNSUITABLE 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.

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.

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".

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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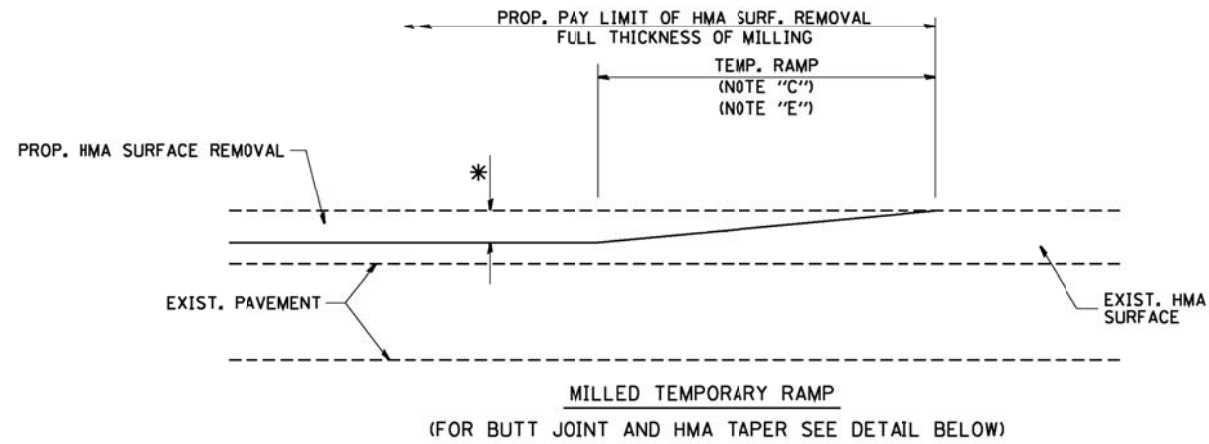
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	DRAWN -	REVISED - A. ABBAS 03-21-97
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PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

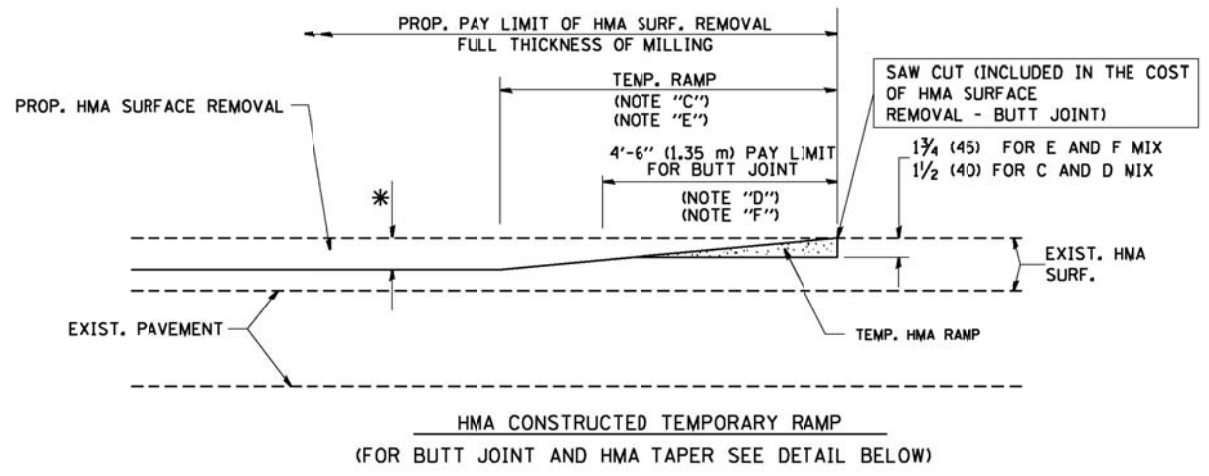
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-R5	COOK	44	30
BD600-06 (BD-24)		CONTRACT NO.	60R07	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

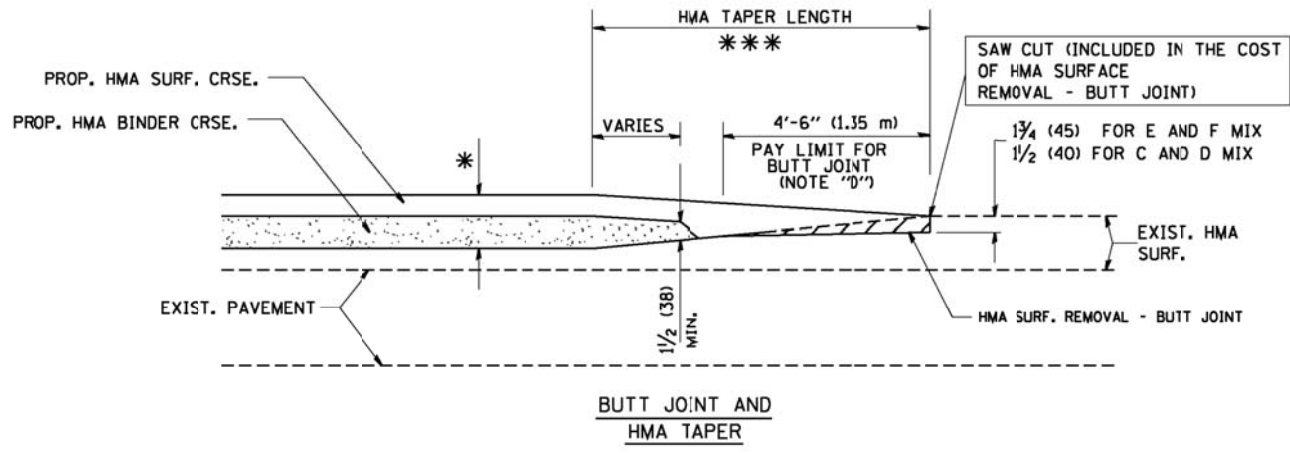
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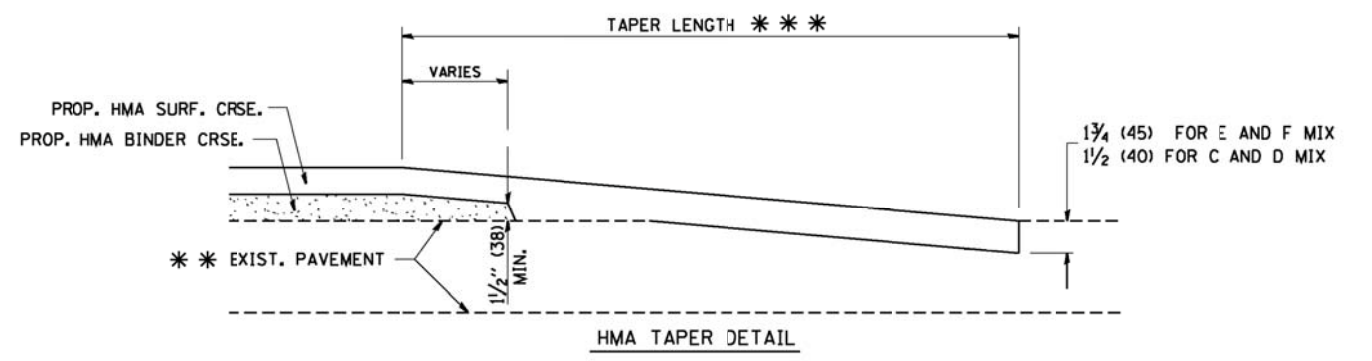
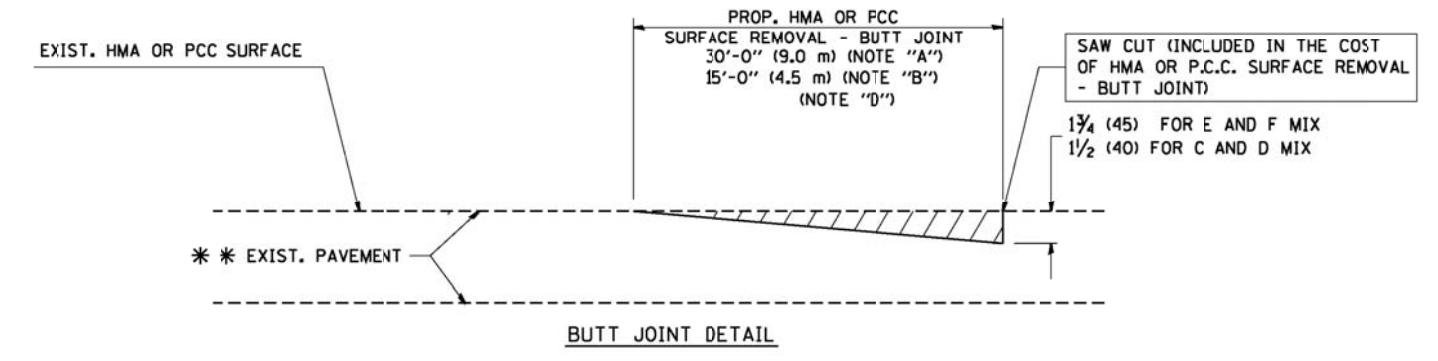
OPTION 1



OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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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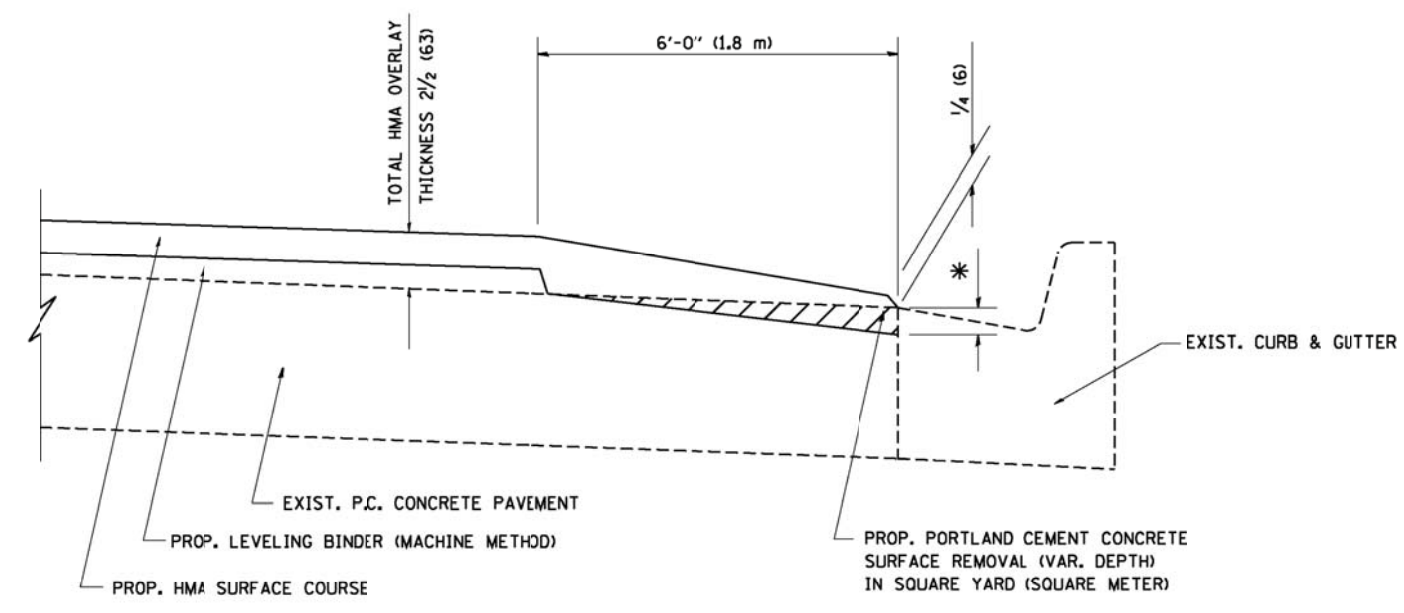


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PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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.
348	2011-080-RS	COOK	44	31
BD400-05 BD32		CONTRACT NO.	60R07	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

HMA SURFACE	LEVELING BINDER	* MILLING AT GUTTER FLAG
MIX	THICKNESS	THICKNESS
C OR D	1/2 (38)	1 (25)
F	1 3/4 (44)	3/4 (19)

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: gogliano@hrgreen.com
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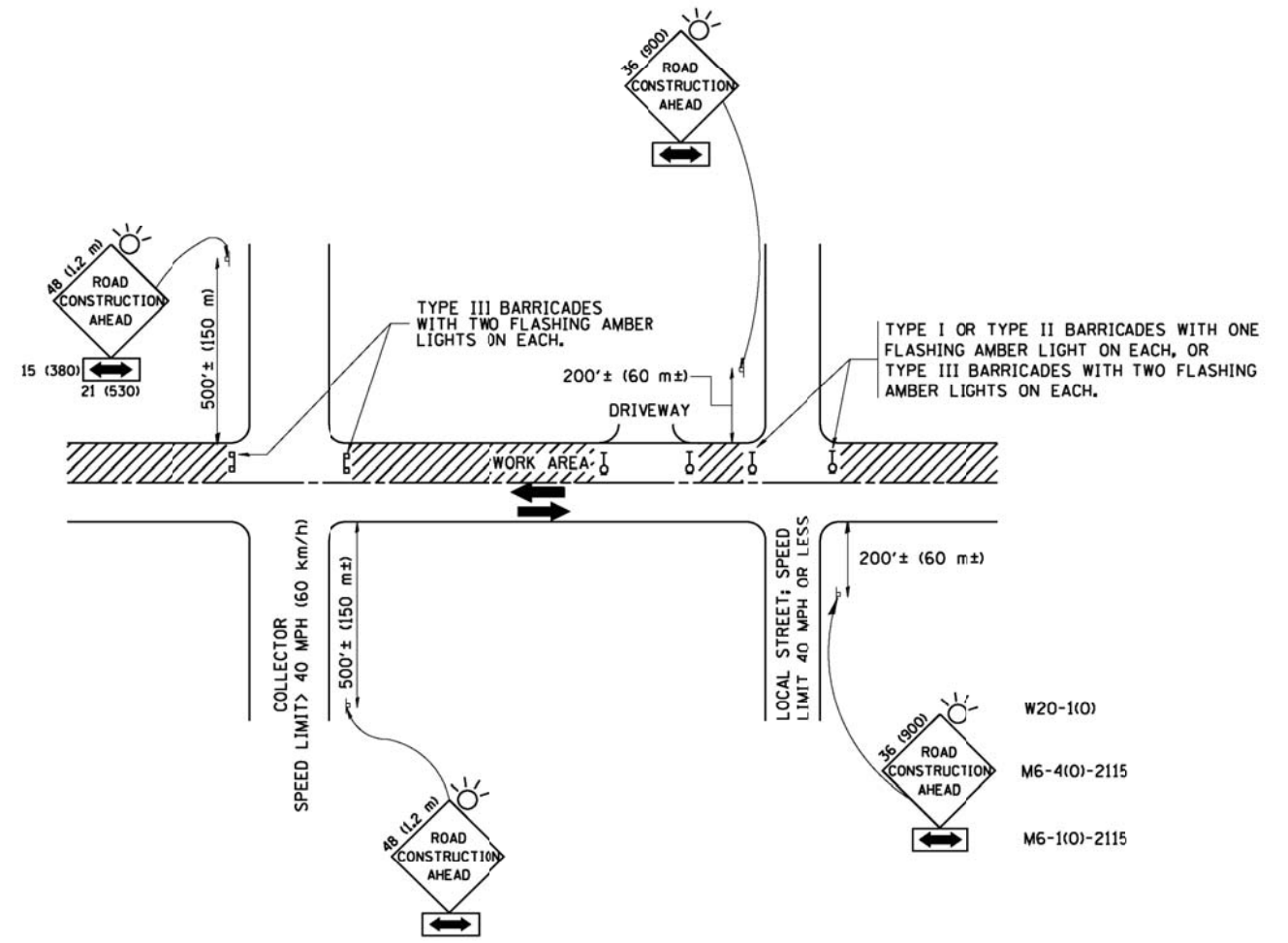
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	DRAWN - JIS	REVISED - A. ABBAS 05-05-99
PLOT SCALE = 50.0000' / IN.	CHECKED - A. ABBAS	REVISED - E. GOMEZ 12-21-00
PLOT DATE = 1/4/2008	DATE - 09-10-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT EDGE OF P.C.C. PAVEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	32
BD400-06 (BD33)		CONTRACT NO. 60R07		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

86100196.15-de1-07.dgn



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.

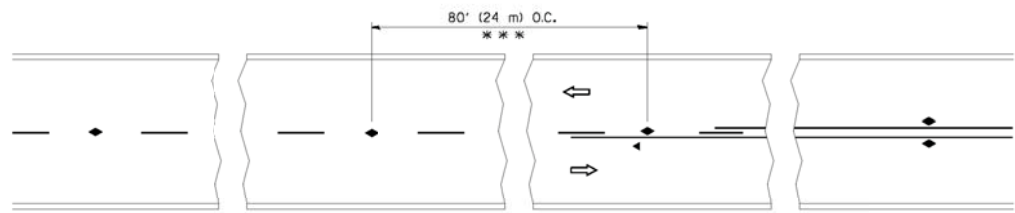
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 PROJECT CONTACT: gaglianobt
 DATE PLOTTED: 1/2/2013 11:40:09 AM
 FILE NAME: 86100196.15-de1-08.dgn
 PLOT DRIVER: pafcah
 PEN TABLE: standard-trans.tbl

HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
PLOT SCALE = 500.000" / 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
DEPARTMENT OF TRANSPORTATION

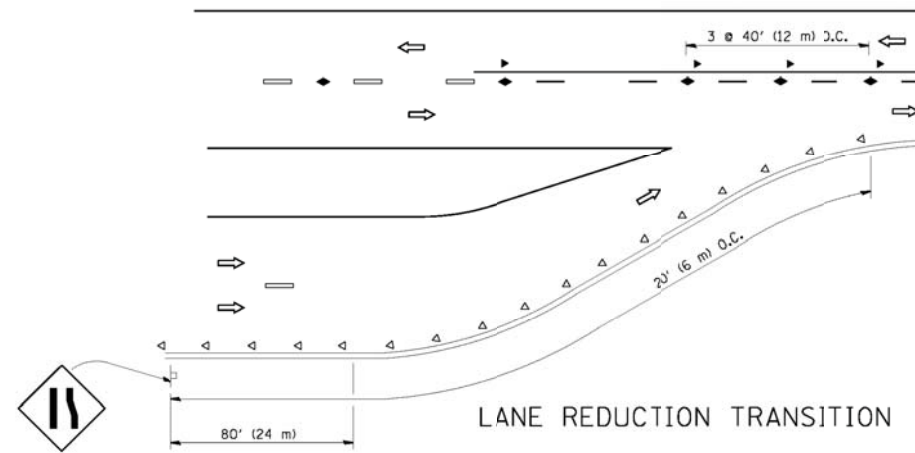
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	33
TC-10		CONTRACT NO.	60R07	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

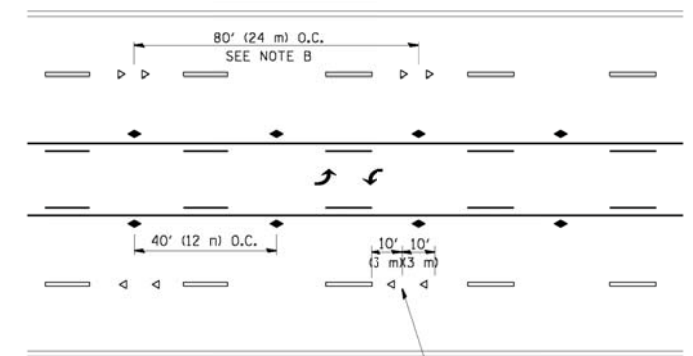


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

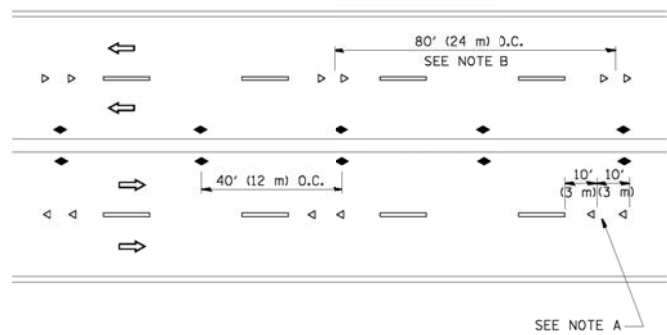
TWO-LANE/TWO-WAY



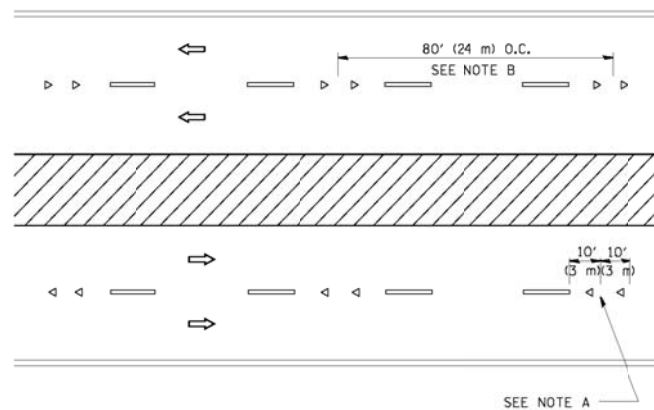
LANE REDUCTION TRANSITION



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

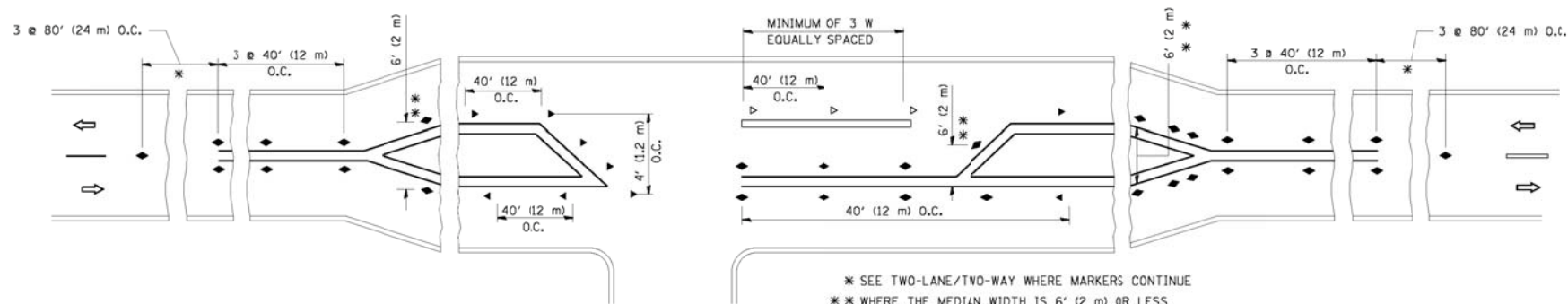
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

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

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

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 PROJECT CONTACT: [Name]
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 PLOT DRIVER: pafplot
 PEN TABLE: standard-trans.tbl



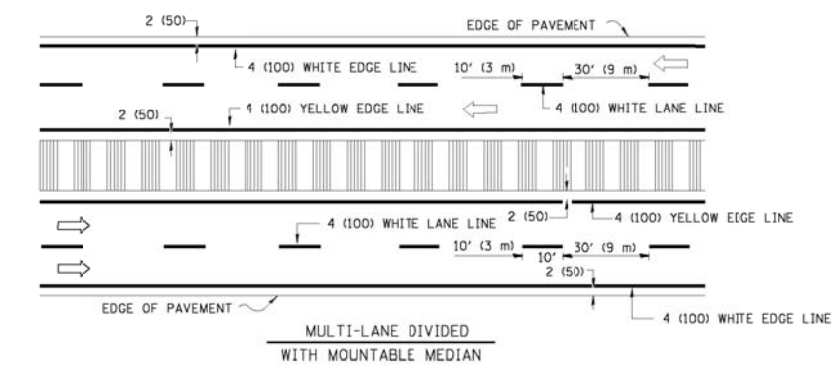
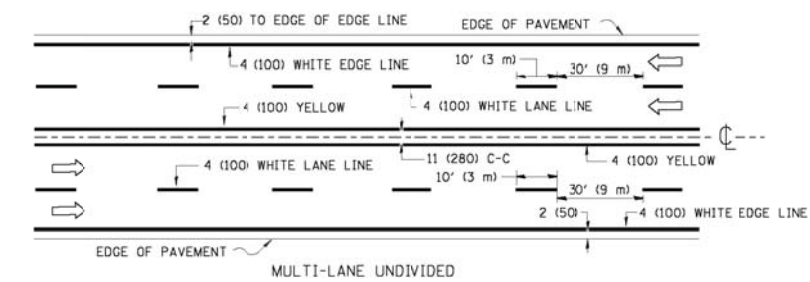
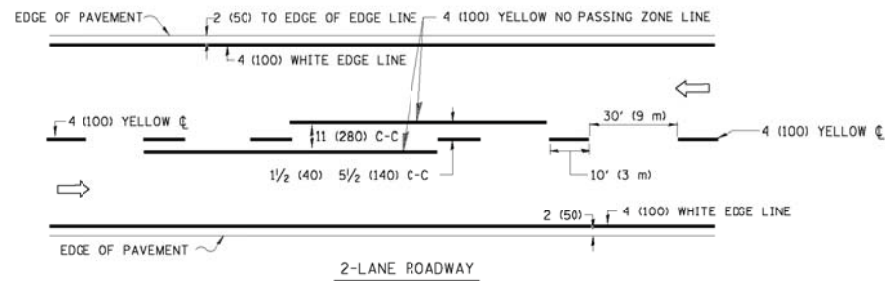
USER NAME: drjvaksgrn	DESIGNED: -	REVISED: - T. RAMMACHER 09-19-94
	DRAWN: -	REVISED: - T. RAMMACHER 03-12-99
PLOT SCALE = 50,000' / IN.	CHECKED: -	REVISED: - T. RAMMACHER 01-06-00
PLOT DATE: 9/9/2009	DATE: -	REVISED: - C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

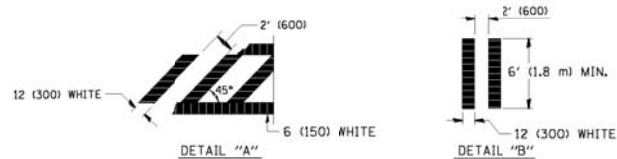
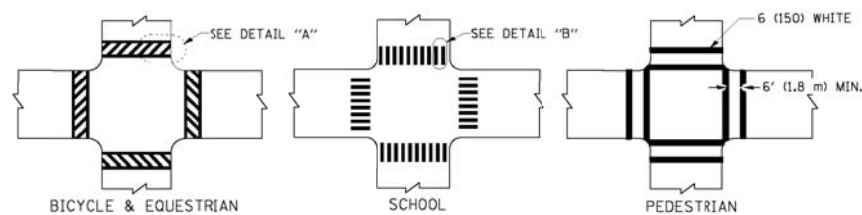
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO.	60R07	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

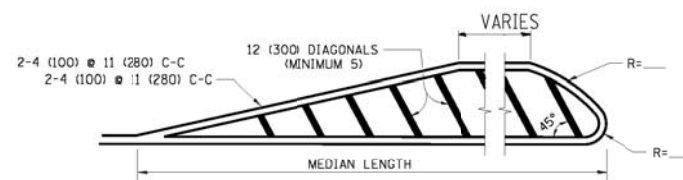
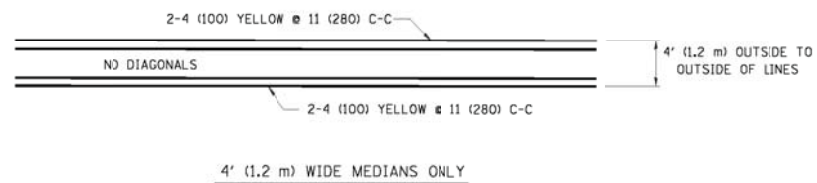


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

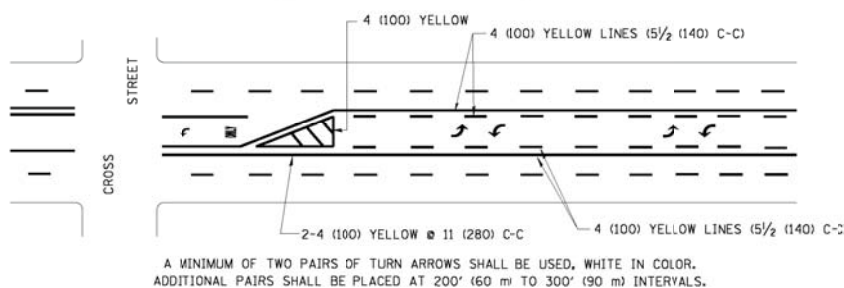


TYPICAL CROSSWALK MARKING

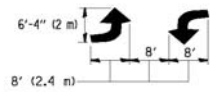


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

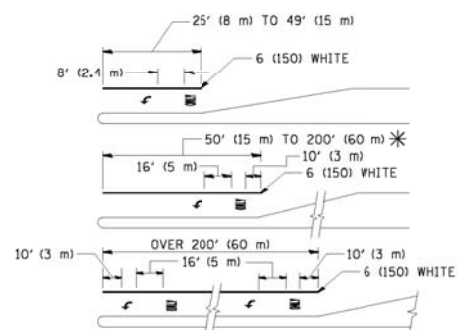


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

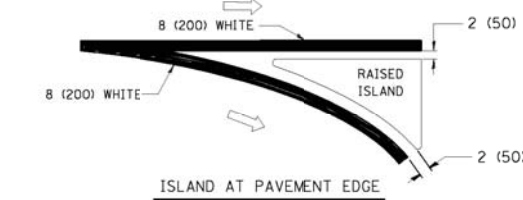
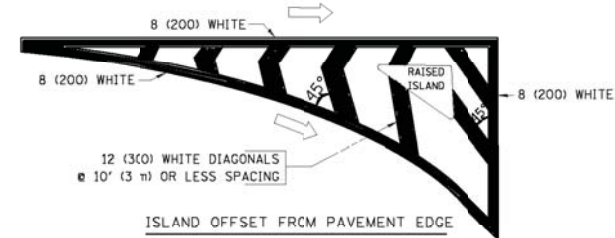


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

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

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 1/3/2013 12:04:22 AM
FILE NAME: 86100196.15-de-10.dgn
PLOT DRIVER: pdfcut
PEN TABLE: standard-trans.tbl



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PLOT SCALE: 50.000' / IN.	DRAWN: JUCIUS	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		TOTAL SHEETS: 44		SHEET NO. 35	
TYPICAL PAVEMENT MARKINGS		COUNTY: COOK		CONTRACT NO. 60R07	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT		

F.A. RTE.: 348	SECTION: 2011-080-RS	COUNTY: COOK	TOTAL SHEETS: 44	SHEET NO.: 35	
TC-13		CONTRACT NO. 60R07			

COMPANY NAME: HRGreen
 PROJECT CONTACT: [Redacted]
 DATE PLOTTED: 1/13/2013 12:29:26 AM
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 PEN TABLE: standard-trans.tbl



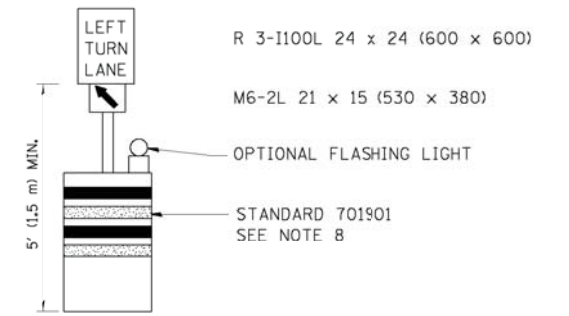
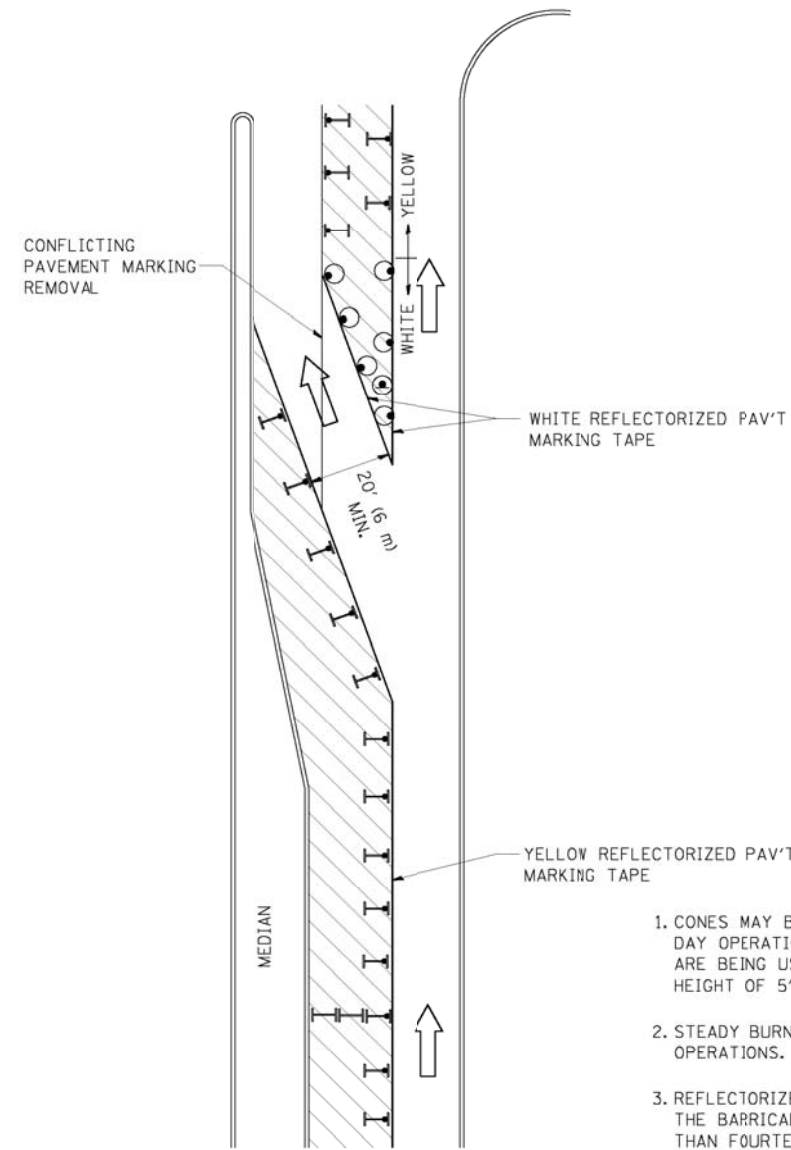
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	REVISED - A. HOUSEH 11-07-95	REVISED -
PLOT SCALE = 49.9999' / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
PLOT DATE = 9/14/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -

**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.
348	2011-080-RS	COOK	44	36
TC-14		CONTRACT NO. 60R07		
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



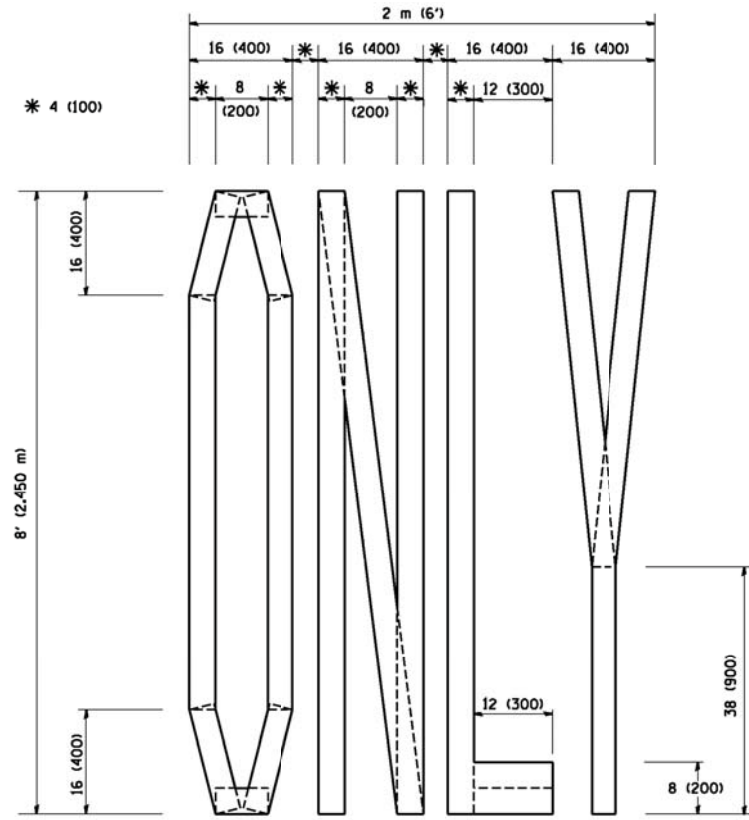
GENERAL NOTES

- 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).
- STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 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.
- 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.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- FORM OPER 725 IS REQUIRED.
- 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 REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

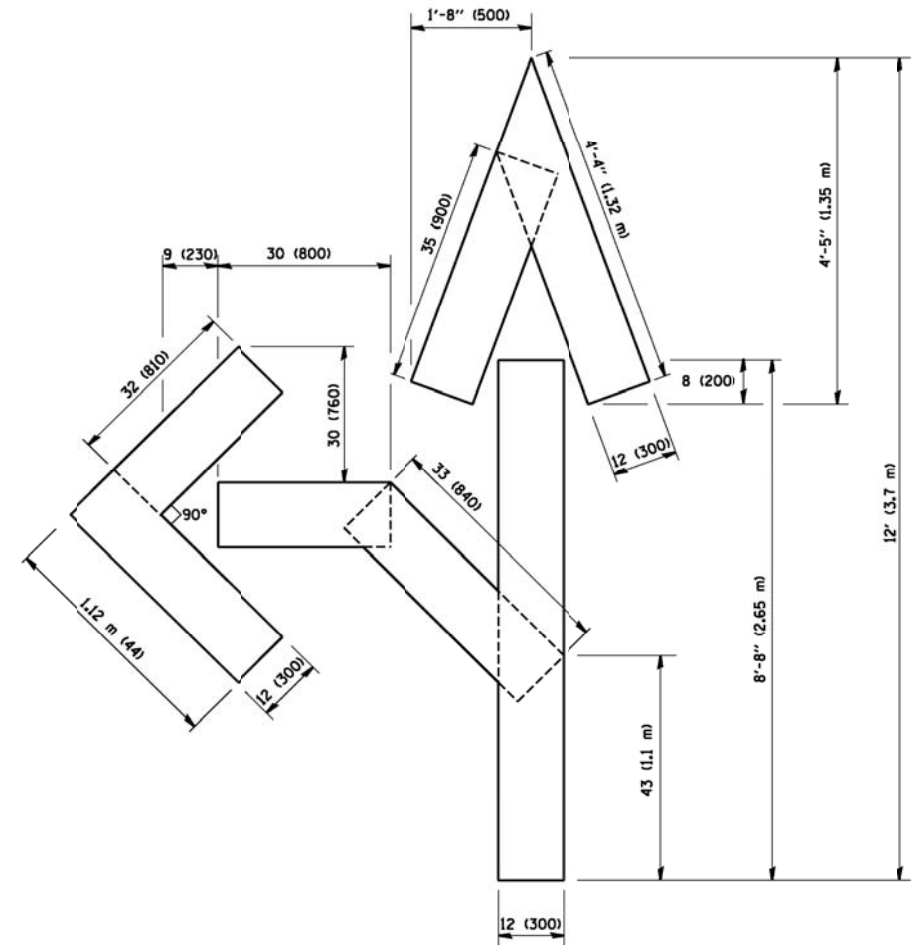
All dimensions are in inches (millimeters) unless otherwise shown.

LEGEND

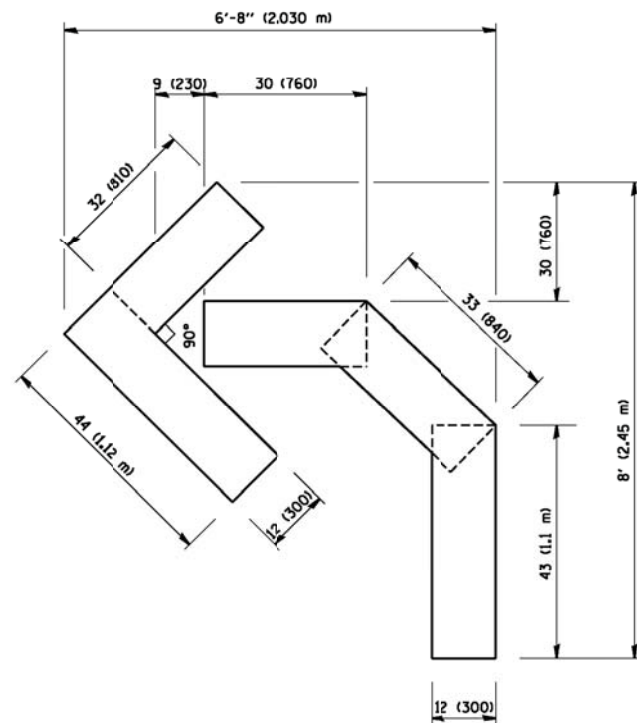
- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT



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: goglianob
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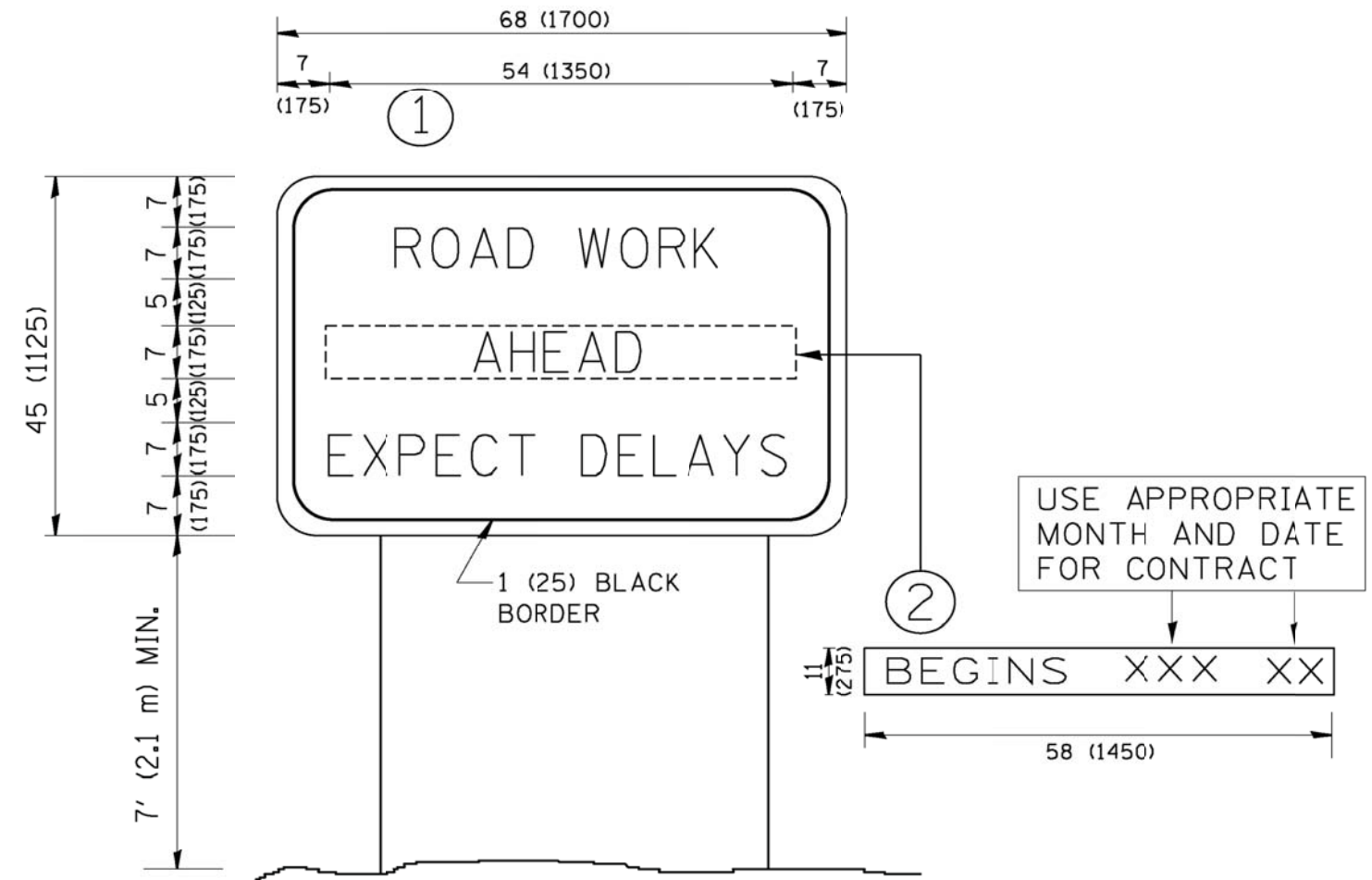
USER NAME = goglianob	DESIGNED -	REVISED - T. RAMMACHER 06-05-96
	DRAWN -	REVISED - T. RAMMACHER 11-04-97
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98
PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

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.
348	2011-080-RS	COOK	44	37
TC-16		CONTRACT NO.	60R07	
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.

COMPANY NAME: HRGreen
 PROJECT CONTACT: gogliano@hrgreen.com
 DATE PLOTTED: 1/4/2013 12:52:46 AM
 FILE NAME: 86100196.15-de+12.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: standard-trans.tbl

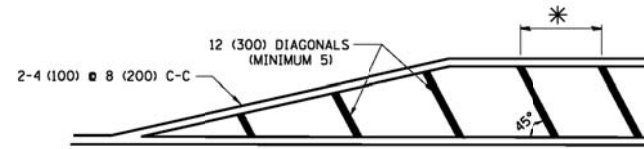
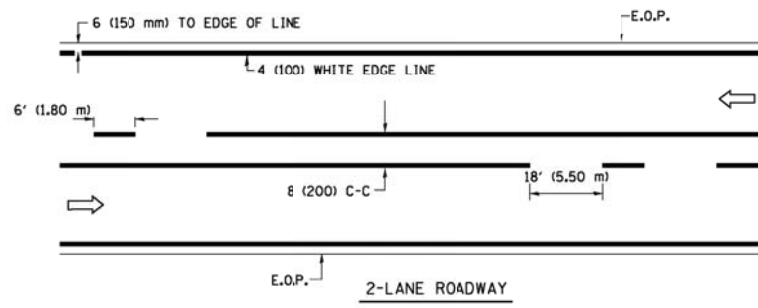


USER NAME = gogliano	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

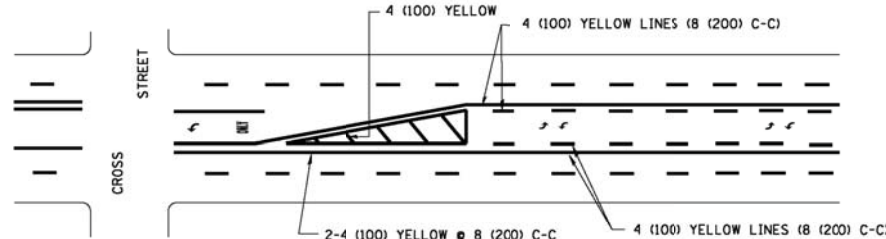
**ARTERIAL ROAD
 INFORMATION SIGN**
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	38
TC-22			CONTRACT NO. 60R07	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

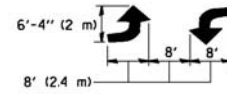


* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

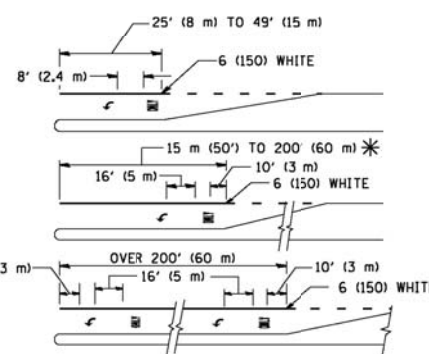
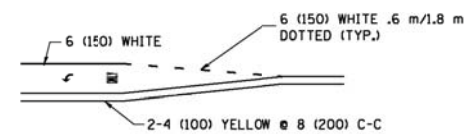


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

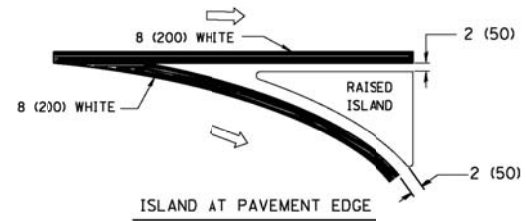
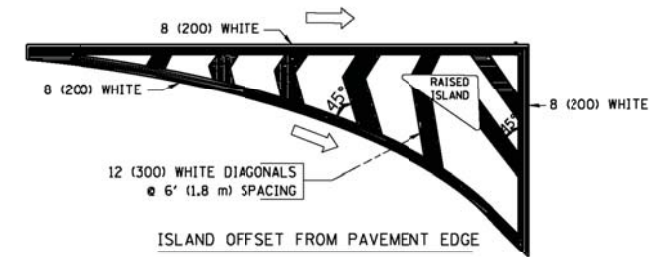


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
* AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



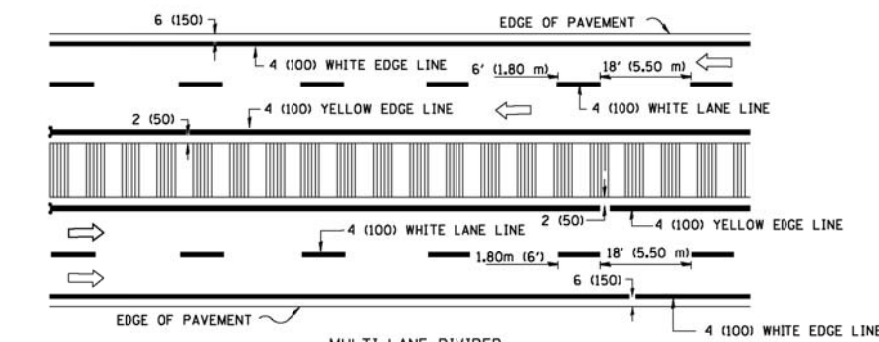
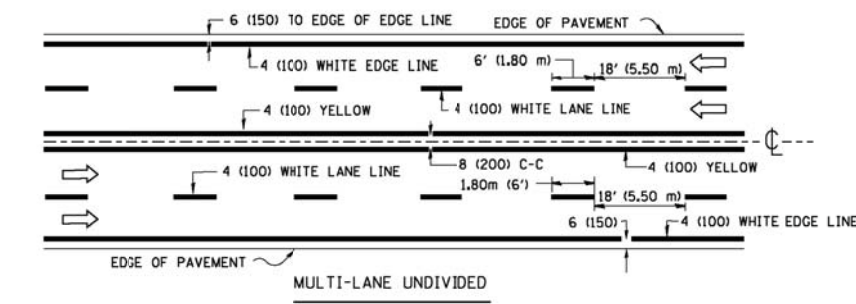
TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) 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' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS BIKE & EQUESTRIAN B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) 45° 24 (600) 90°	SOLID SOLID	WHITE WHITE	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°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 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. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

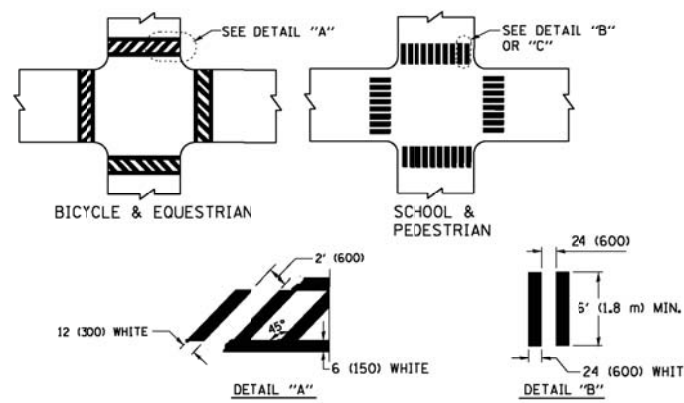
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

CITY OF CHICAGO		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		348	2011-080-RS	COOK	44	39
		TC-24		CONTRACT NO.		60R07
SCALE: NONE		SHEET NO. 1 OF 3 SHEETS		STA. TO STA.		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



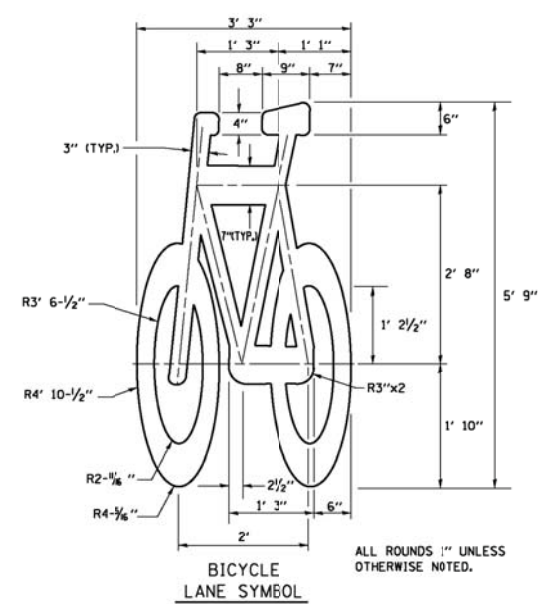
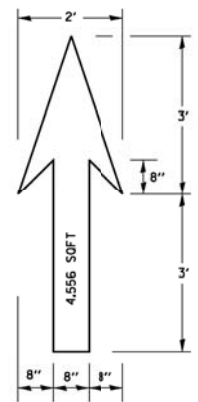
TYPICAL CROSSWALK MARKING

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PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 1/13/2013 10:22 AM
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PEN TABLE: standard-trans.tbl

HRGreen logo and contact information.

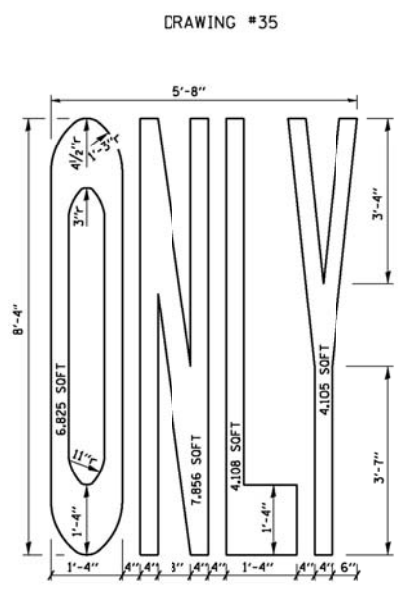
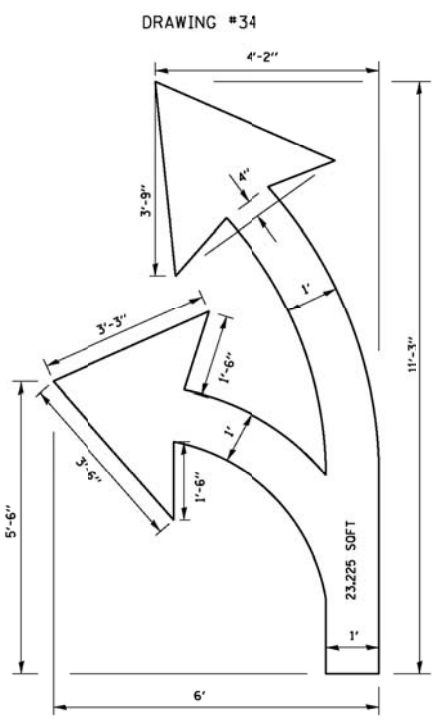
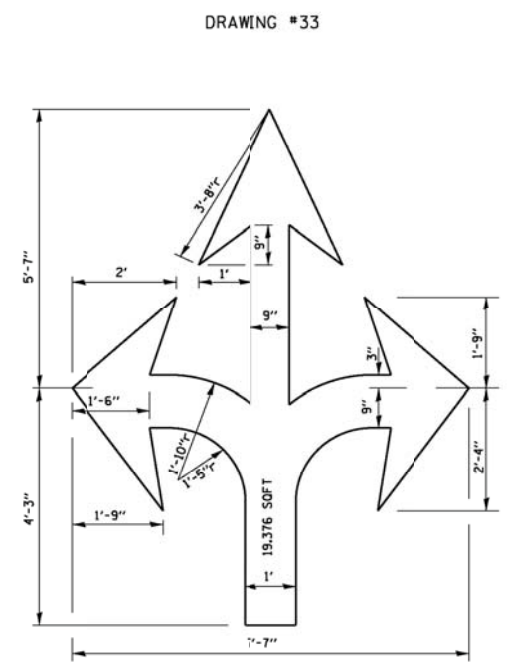
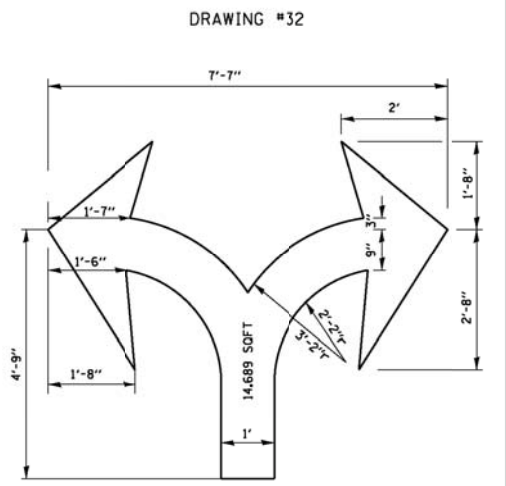
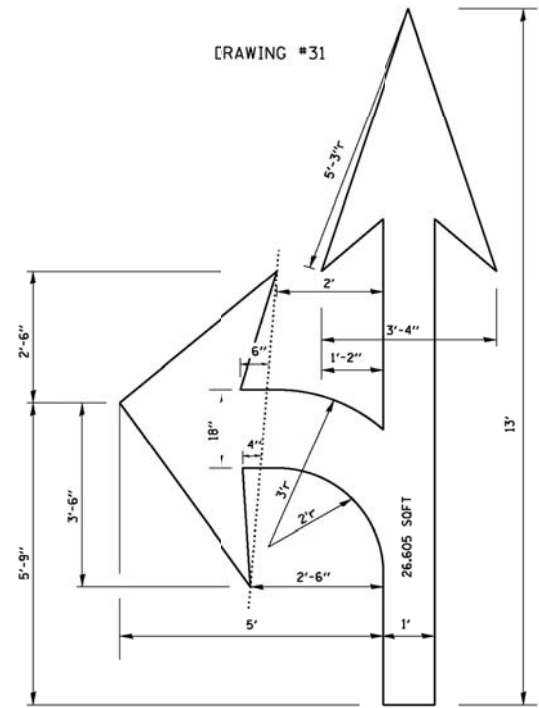
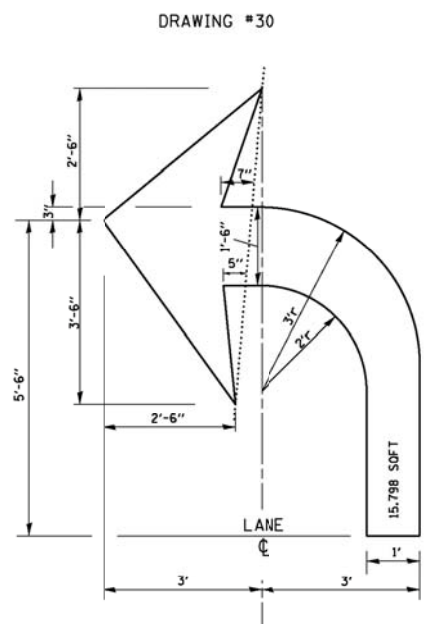
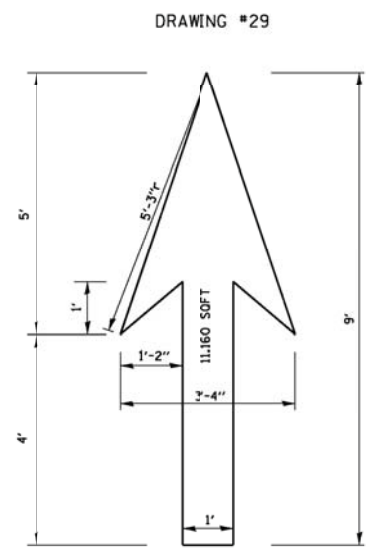
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3315124.dgn	DRAWN -	REVISED - K. ENG 02-28-12
PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/1/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



NOTE:
 1.) FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
 2.) THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMEERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
 DRAWING #28



NOTE: ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

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HRGreen.com
 Illinois Professional Design Firm
 #194-001322
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 PLOT SCALE = 50.0000' / in.
 PLOT DATE = 3/29/2012

DESIGNED -	T. RAMMACHER	12-07-00
DRAWN -	K. ENG	02-28-12
CHECKED -		
DATE -		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 2 OF 3 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	40
TC-24		CONTRACT NO. 60R07		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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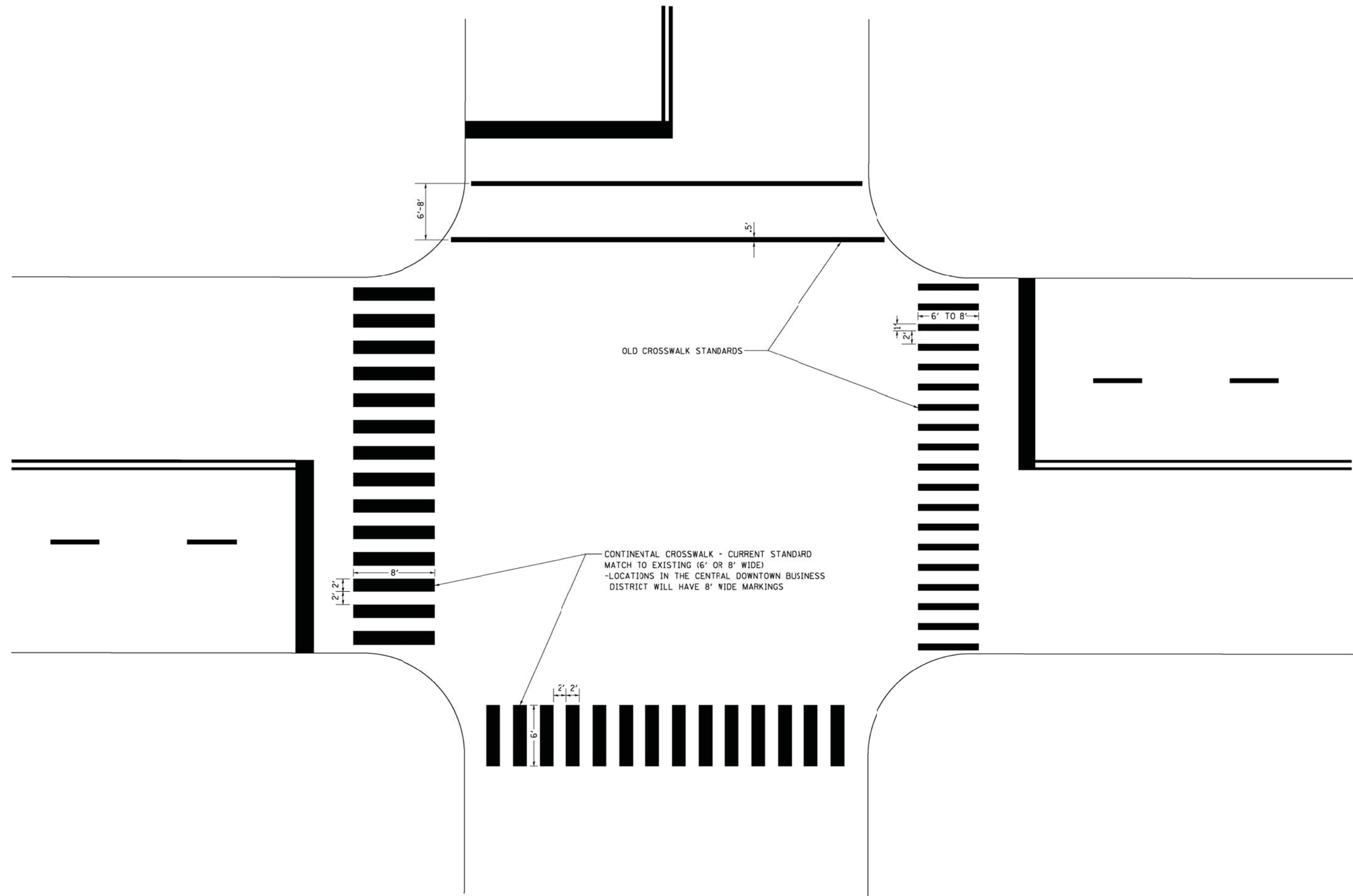
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 DATE -
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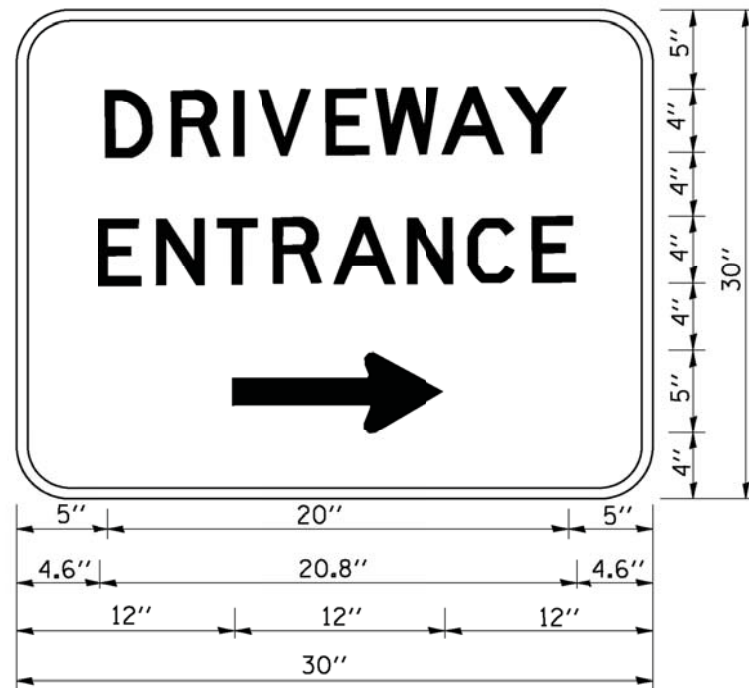
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	41
TC-24		CONTRACT NO. 60R07		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 1/4/2008 15:55:54 AM
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	DRAWN -	REVISED -
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PLOT DATE = 1/4/2008	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

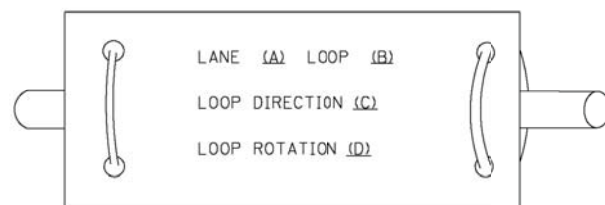
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-26		CONTRACT NO.	60R07	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

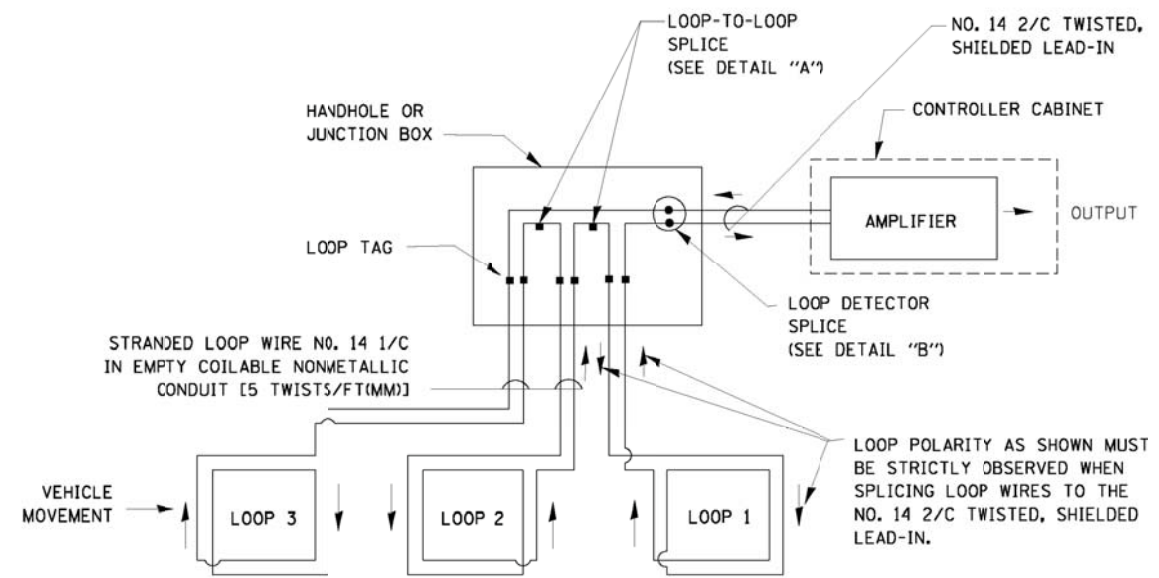
LOOP DETECTOR NOTES

- 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.
- PREFORMED 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

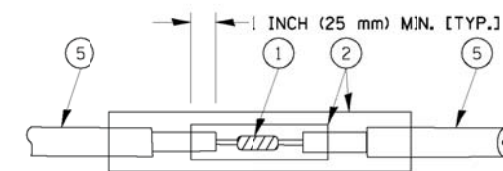


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

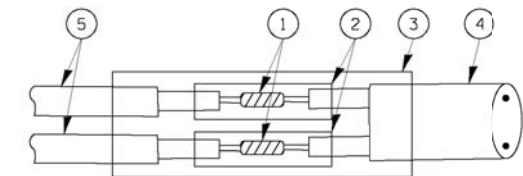


DETECTOR LOOP WIRING SCHEMATIC

- 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.

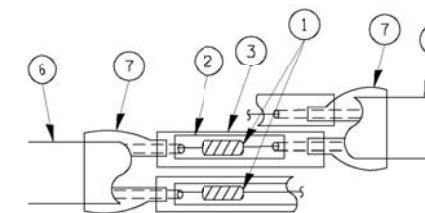


DETAIL "A"
LOOP-TO-LOOP SPLICE

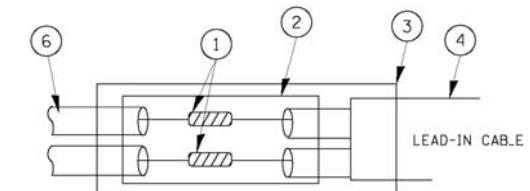


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



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. T*CO CBR-2 OR APPROVED EQUAL

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 1/13/2013 1:26:48 AM
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

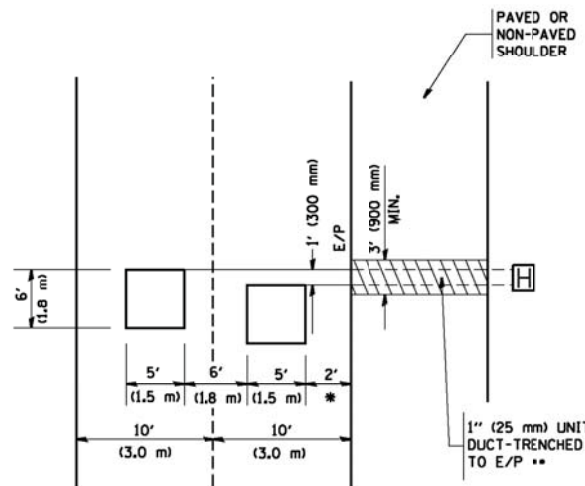
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	43
TS-05		CONTRACT NO. 60R07		
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.



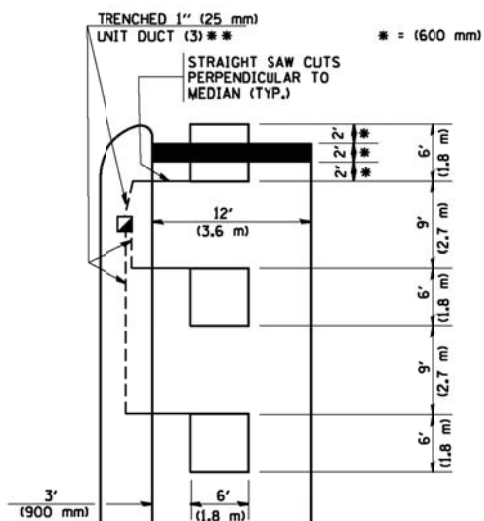
* = (600 mm)

** 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.

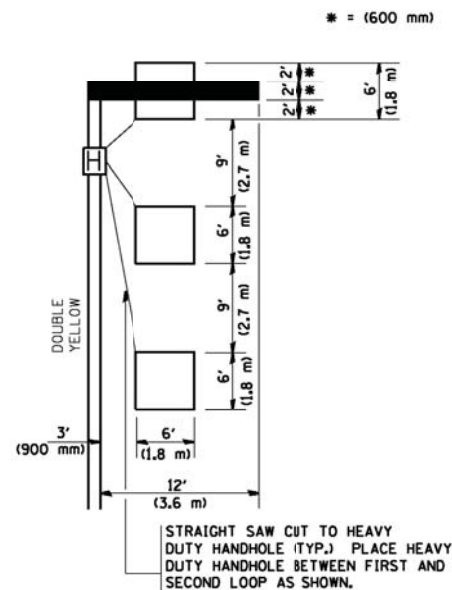


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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)



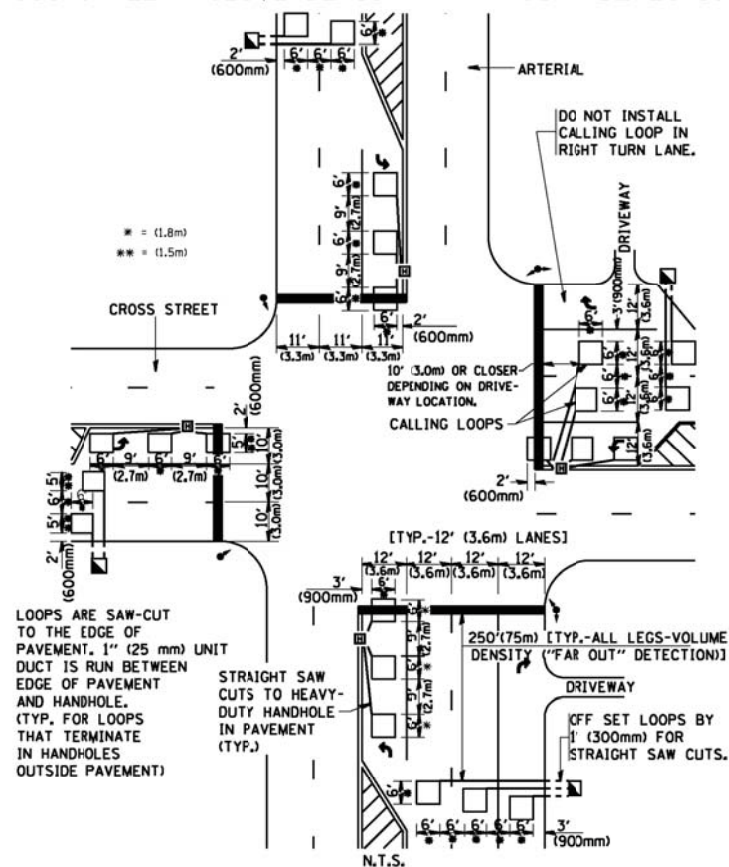
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

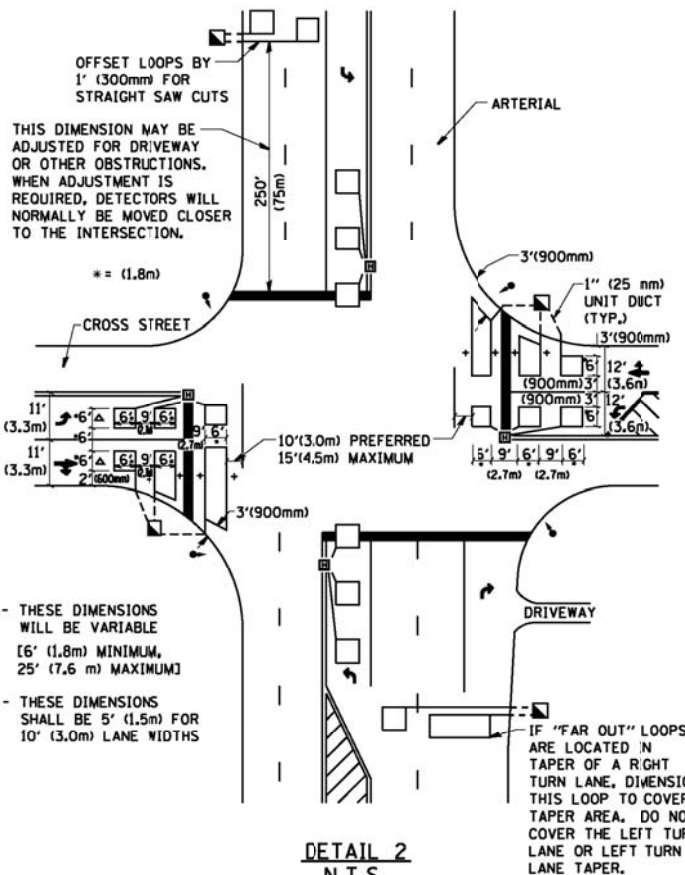
- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST 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.

**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.**

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.

COMPANY NAME: HRGreen
PROJECT CONTACT: greg@hrgreen.com
DATE PLOTTED: 1/4/2008 10:52:02 AM
FILE NAME: 86100196.15-det-14.dgn
PLOT DRIVER: pdfcut
PEN TABLE: standard-trans.tbl



USER NAME = greg@hrgreen.com	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -
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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-080-RS	COOK	44	44
TS-07		CONTRACT NO.	60R07	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				