

08-01-14 LETTING ITEM 016

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAU 186: IL ROUTE 134 (MAIN STREET) SECTION 36-RS-5 US ROUTE 12 (RAND ROAD) TO WEST OF IL ROUTE 120 (BELVIDERE ROAD) RESURFACING LAKE COUNTY

C-91-328-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

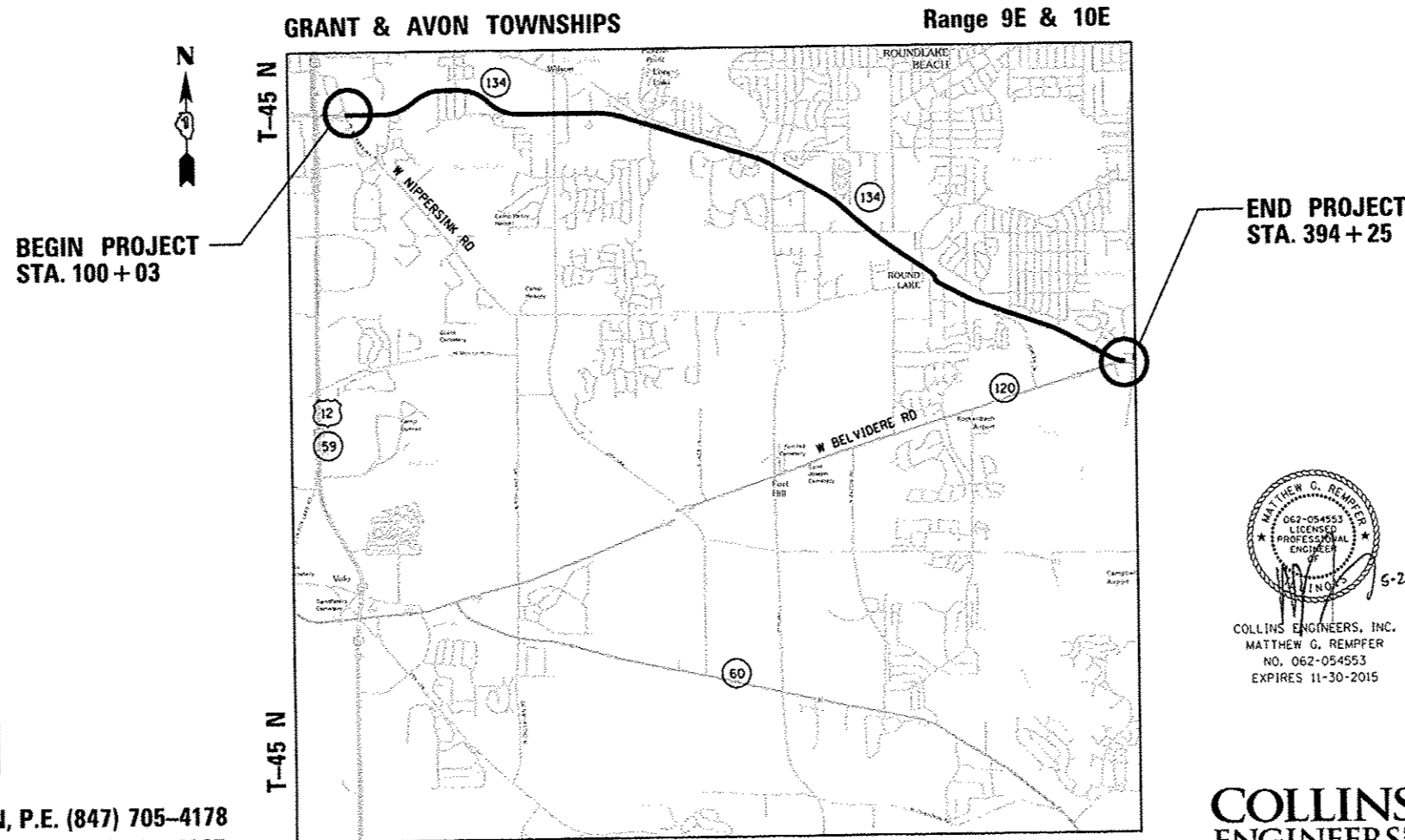
DESIGN DESIGNATION

ADT 11,300 (2013) SPEED LIMIT 30 TO 45 MPH

IMPROVEMENT LOCATED IN THE VILLAGES OF ROUND LAKE, FOX LAKE, ROUND LAKE PARK, AND HAINESVILLE.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-RS-5	LAKE	31	1
		ILLINOIS	CONTRACT NO. 60N58	

D-91-328-11



BEGIN PROJECT STA. 100 + 03

END PROJECT STA. 394 + 25

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

SUBMITTED May 27 20 14  
John F. [Signature]  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27 20 14  
John D. Baranzelle P.E.  
 ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 14  
Omer Osman P.E.  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

MATTHEW G. REMPPER  
 062-054553  
 LICENSED PROFESSIONAL ENGINEER  
 OF ILLINOIS  
 6-22-14

COLLINS ENGINEERS, INC.  
 MATTHEW G. REMPPER  
 NO. 062-054553  
 EXPIRES 11-30-2015

**COLLINS ENGINEERS**  
 123 N. WACKER DR., SUITE 300  
 CHICAGO, IL 60606  
 (312) 704-9300  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 184-000993

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

PROJECT MANAGER: MR. ISSAM RAYYAN, P.E. (847) 705-4178 PROJECT ENGINEER: MR. ROBERT T. BORO, P.E. (847) 705-4237

CONTRACT NO. 60N58

GROSS LENGTH = 29,290 FT. = 5.57 MILE NET LENGTH = 29,422 FT. = 5.55 MILE

**INDEX OF SHEETS**

- 1 TITLE SHEET
- 2 INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4-5 TYPICAL SECTIONS
- 6-15 ROADWAY AND PAVEMENT MARKING PLANS
- 16-19 DETECTOR LOOP REPLACEMENT DETAILS
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- 21 PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT (BD-22)
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- 28 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
- 29 ARTERIAL ROAD INFORMATION SIGN (TC-22)
- 30 DRIVEWAY ENTRANCE SIGNING (TC-26)
- 31 DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

**STANDARDS**

- 424001 -07 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424006 -01 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011 -01 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424016 -01 MID-BLOCK CURB RAMPS FOR SIDEWALKS
- 424021 -02 DEPRESSED CORNER FOR SIDEWALKS
- 424031 -01 MEDIAN PEDESTRIAN CROSSINGS
- 442201 -03 CLASS C AND D PATCHES
- 482011 -03 HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 604001 -03 FRAME AND LIDS TYPE 1
- 604091 -02 FRAME AND GRATE TYPE 24
- 606001 -05 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 635006 -03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 701006 -05 OFF-RD OPERATIONS. 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701011 -04 OFF ROAD MOVING OPERATIONS. 2L, 2W, DAY ONLY
- 701301 -04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311 -03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701426 -06 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
- 701501 -04 URBAN, LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701606 -09 URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
- 701701 -09 URBAN LANE CLOSURE MULTILANE INTERSECTION
- 701901 -03 TRAFFIC CONTROL DEVICES
- 780001 -04 TYPICAL PAVEMENT MARKINGS
- 701306 -03
- 701336 -04

**GENERAL NOTES**

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF ROUND LAKE, FOX LAKE, ROUND LAKE PARK, AND HAINESVILLE.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

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.

WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 40 MPH (80 KM/HR) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80KM/HR). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES 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 MILLING OPERATIONS AND CLASS D PATCHING.

ALL PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

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 REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, DEBBIE HANLON AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)" SHOWN ON THE PLANS.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.

THE CONTRACTOR SHALL CAREFULLY REMOVE, STORE, AND REUSE BRICK PAVERS WHERE APPLICABLE. ANY EXTRA BRICK PAVERS ARE TO BE SALVAGED AND DELIVERED TO THE LOCAL MUNICIPALITY. THIS WORK SHALL BE INCLUDED IN THE COST OF REMOVE AND REINSTALL BRICK PAVERS.

WALLY CZARNY AT (847) 715-8419

FILE NAME : I:\6718\6718.05 - 3P Resurfacing Projects	USER NAME : mramfor	DESIGNED - RC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 134 (MAIN STREET) INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES</b>			F.A.U. RTE. 0186	SECTION 36-RS-5	COUNTY LAKE	TOTAL SHEETS 31	SHEET NO. 2
	PLLOT SCALE : 1/8"=1'-0"	CHECKED - MGR	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60N58	
	PLLOT DATE : 5/27/2014	DATE - 5/27/2014	REVISED -									

REV

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				URBAN ROADWAY 0005 100% STATE
20200100	EARTH EXCAVATION	CU YD	35	35
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	296	296
25200110	SODDING, SALT TOLERANT	SQ YD	296	296
25200200	SUPPLEMENTAL WATERING	UNIT	15	15
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	30
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	5177	5177
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1729	1729
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	10542	10542
42001300	PROTECTIVE COAT	SQ YD	328	328
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1797	1797
42400800	DETECTABLE WARNINGS	SQ FT	308	308
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	123720	123720
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1370	1370
44000600	SIDEWALK REMOVAL	SQ FT	1797	1797

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				URBAN ROADWAY 0005 100% STATE
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	50	50
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	640	640
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	520	520
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	150	150
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	525	525
<del>50300300</del>	<del>PROTECTIVE COAT</del>	<del>SQ YD</del>	<del>294</del>	<del>294</del>
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	7	7
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	10	10
60404950	FRAMES AND GRATES, TYPE 24	EACH	7	7
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	10	10
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1370	1370
* 06900200	NON-SPECIAL WASTE DISPOSAL	CU YD	35	35
60600605	CONCRETE CURB, TYPE B	FOOT	405	405
* 06900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
* 06900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
67100100	MOBILIZATION	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				URBAN ROADWAY 100% STATE 0005
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5302	5302
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1656	1656
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	120739	120739
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4338	4338
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	320	320
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2802	2802
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1028	1028
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1656	1656
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	120839	120839
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4338	4338
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	320	320
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2802	2802
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1092	1092

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				URBAN ROADWAY 100% STATE 0005
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1411	1411
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1411	1411
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2998	2998
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	424	424
X2020110	GRADING AND SHAPING SHOULDERS	UNITS	100	100
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	90888	90888
X5537800	STORM SEWERS TO BE CLEANED, 12"	FOOT	300	300
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	22	22
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10	10
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	619	619
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
<del>Z0076600</del>	<del>TRAINEES</del>	<del>HOUR</del>		
70100400	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1

\* - SPECIALTY ITEM

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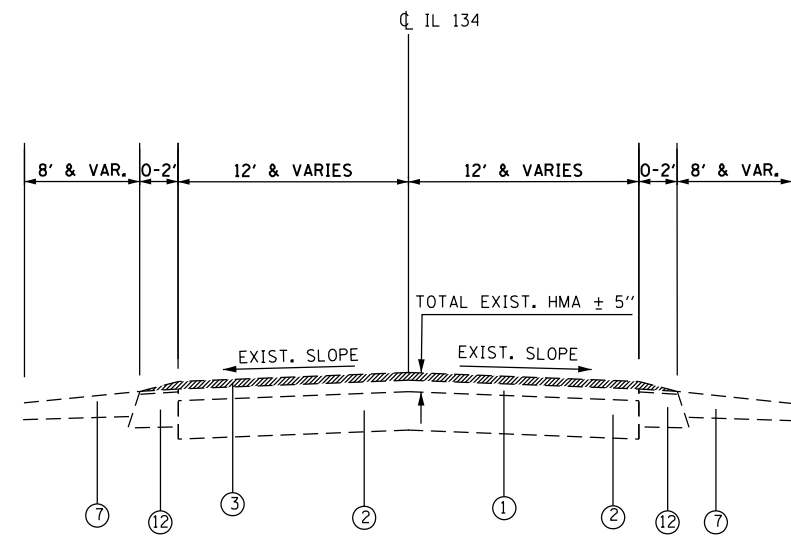
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 134 (MAIN STREET)  
SUMMARY OF QUANTITIES

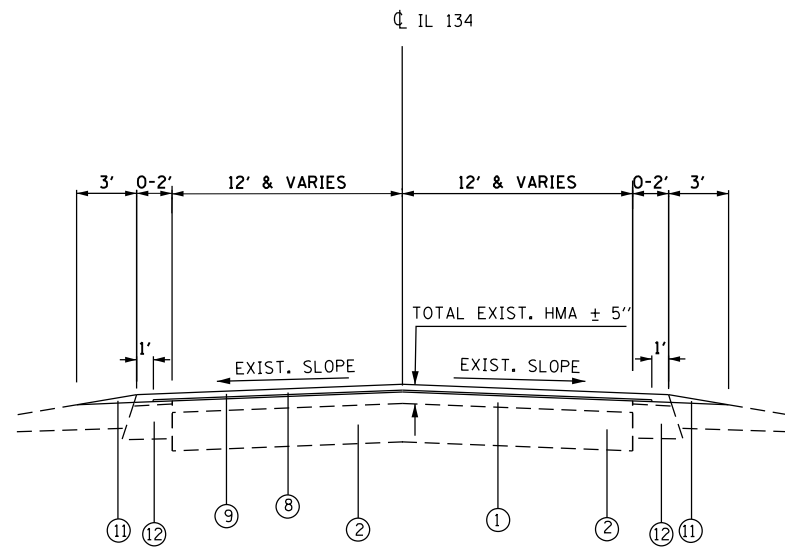
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D186	36-RS-5	LAKE	31	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N58	

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

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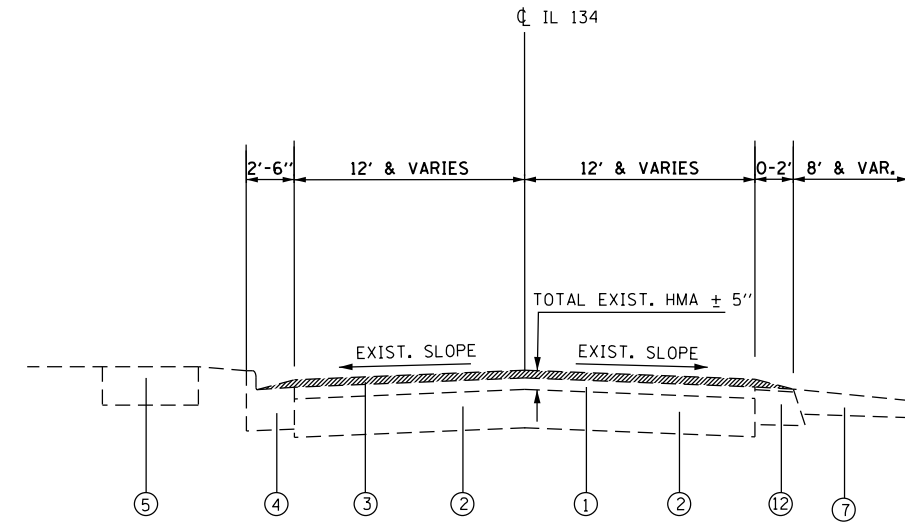


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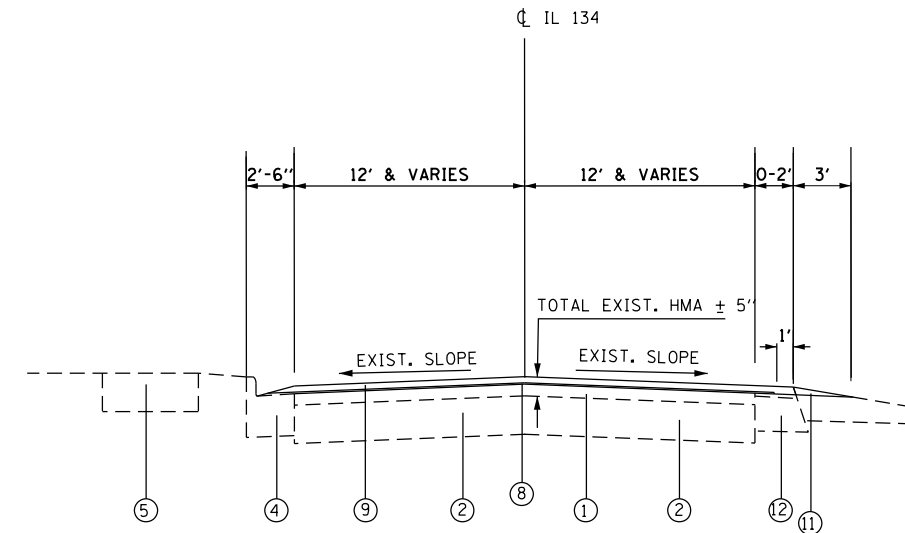


**PROPOSED TYPICAL SECTION**

**THE CONTRACTOR SHALL MILL FIRST  
BEFORE PATCHING**



**EXISTING TYPICAL SECTION**



**PROPOSED TYPICAL SECTION**

**LEGEND**

- ① EXISTING HMA SURFACE COURSE +/- 5"
- ② EXISTING CONCRETE PAVEMENT FROM +/- 7" TO +/- 9"
- ③ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 2 -1/4"
- ④ EXISTING COMBINATION CONC. CURB & GUTTER TYPE B 6.24
- ⑤ EXISTING PCC SIDEWALK, 5"
- ⑥ EXISTING CORRUGATED CONCRETE MEDIAN
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑩ PROP. CONCRETE MEDIAN REMOVAL, PARTIAL DEPTH
- ⑪ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ EXISTING HMA SHOULDER

HOT-MIX ASPHALT MIXTURE REQUIREMENTS MIXTURE TYPE	AIR VOIDS @ Ndes	OMP
<b>RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL 9.5mm)	4% @ 70 GYR.	PFP
POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50	3.5% @ 50 GYR.	OCP
<b>PATCHING</b>		
CLASS D PATCHES, (HMA BINDER IL-19 mm)	4% @ 70 GYR.	OC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (OC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)		

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SO YD / IN.

THE "AC TYPE" FOR ALL POLYMERIZED HMA MIXES SHALL BE SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG64-22" UNLESS MODIFIED BY THE DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIAL, SEE SPECIAL PROVISIONS.

"QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

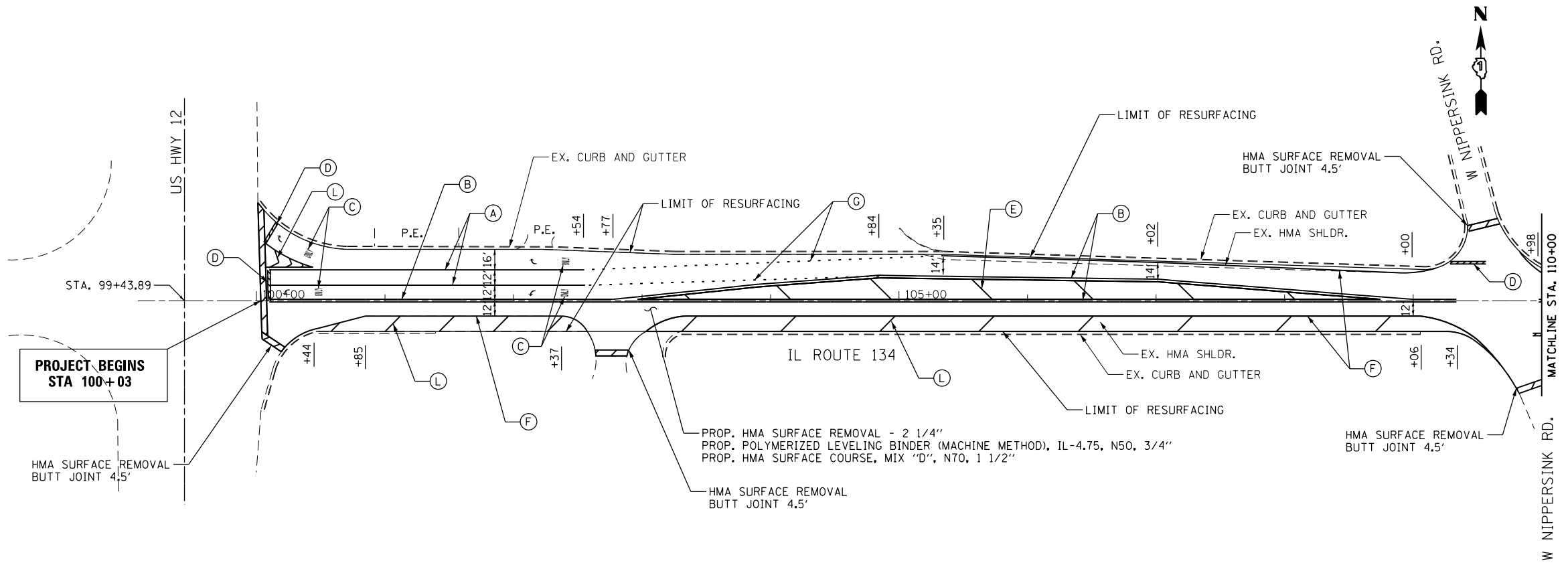
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	PLOT DATE = 6/11/2014	DATE - 6/11/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 134 (MAIN STREET)  
TYPICAL SECTIONS**

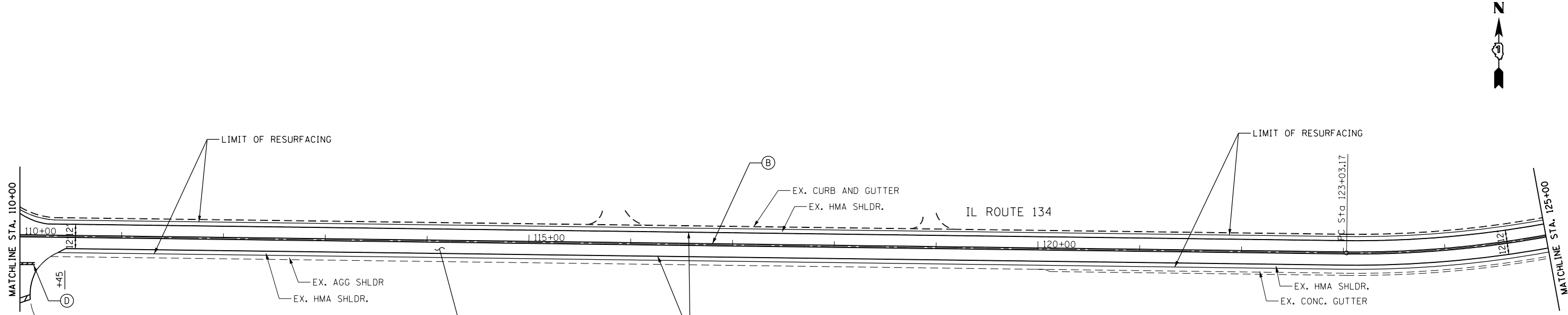
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-RS-5	LAKE	31	5
CONTRACT NO. 60N58				
ILLINOIS FED. AID PROJECT				



**PROJECT BEGINS  
STA 100+03**

PROG. HMA SURFACE REMOVAL - 2 1/4"  
 PROG. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROG. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"



PROG. HMA SURFACE REMOVAL - 2 1/4"  
 PROG. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROG. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

- (A) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE  
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)  
(LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE  
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE  
12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - DOTTED LINE  
2' DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - SKIP DASH LINES  
10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE (RIGHT) - 45° DIAGONALS  
75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (N) PROP. THPL. PAVEMENT MARKING LINE  
4" YELLOW - SKIP-DASH LINE  
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP)  
RAILROAD CROSSING

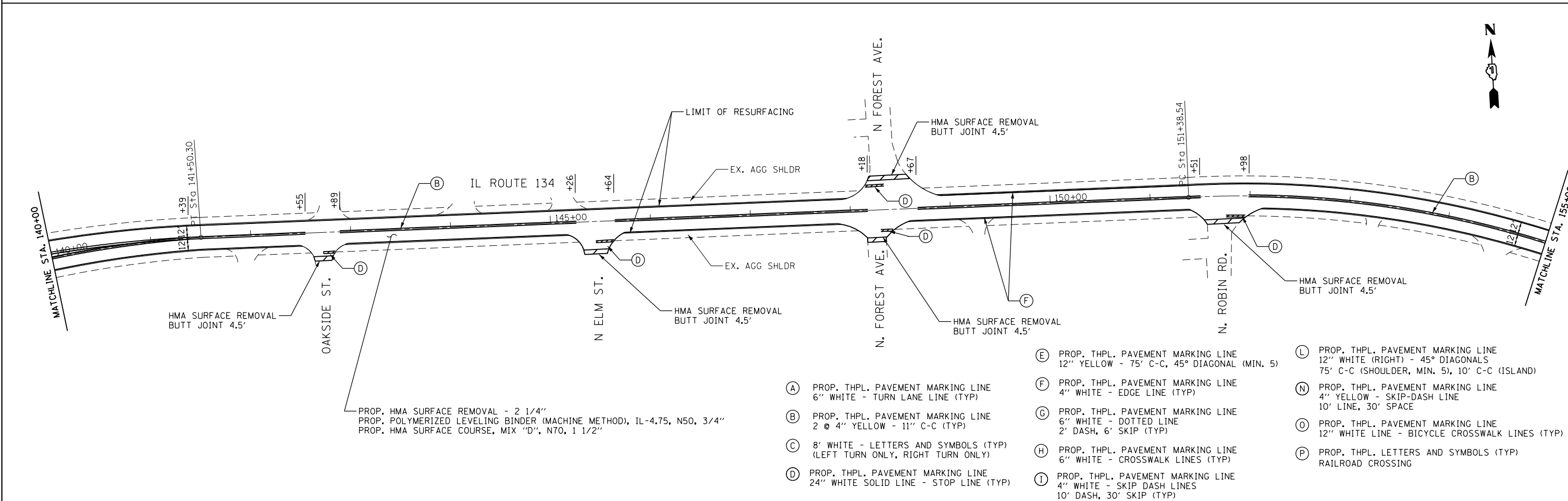
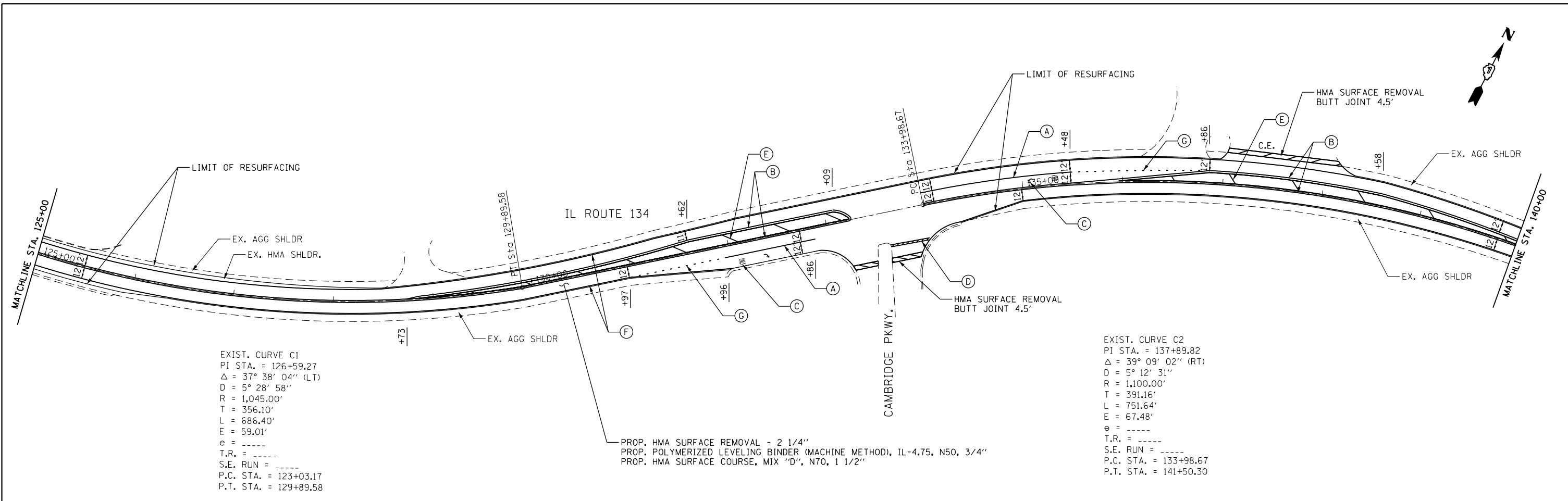
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		CHECKED - MGR	REVISED -
		DATE - 6/19/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 134 (MAIN STREET)  
PROPOSED ROADWAY PLAN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-RS-5	LAKE	31	6
CONTRACT NO. 60N58				
ILLINOIS FED. AID PROJECT				

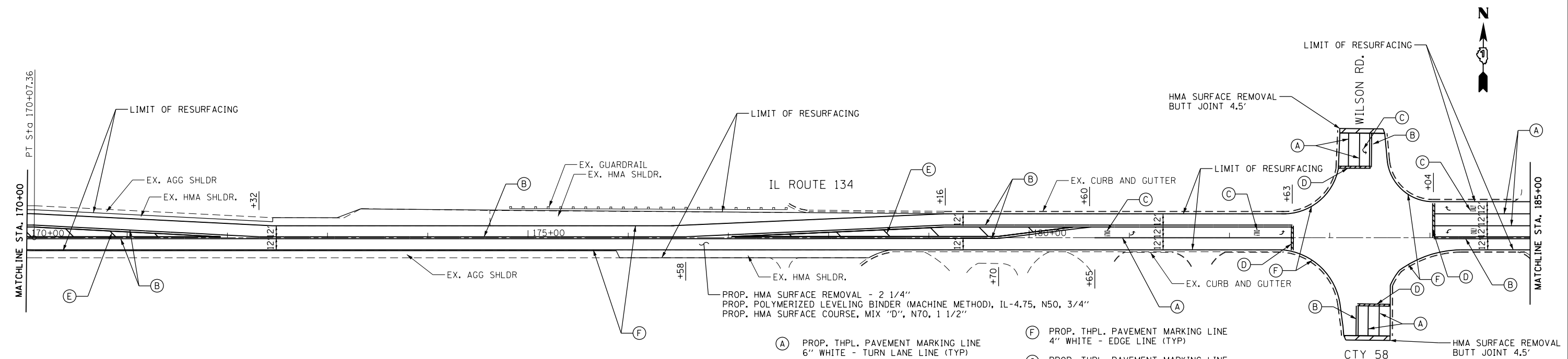
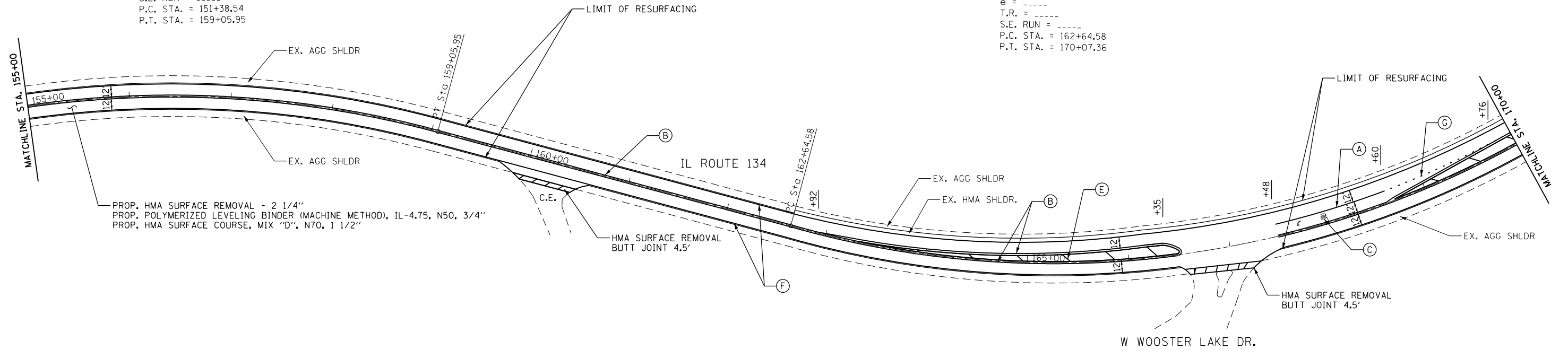


- (A) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE  
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)  
(LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE  
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE  
12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - DOTTED LINE  
2' DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - SKIP DASH LINES  
10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE (RIGHT) - 45° DIAGONALS  
75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (N) PROP. THPL. PAVEMENT MARKING LINE  
4" YELLOW - SKIP-DASH LINE  
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP)  
RAILROAD CROSSING

FILE NAME = I:\6710\6710.05 - 3P Resurfacing Projects\Plans\60N58\CADD\CADD Sheets\60N58.RDW1.dgn	USER NAME = mpe11	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 134 (MAIN STREET) PROPOSED ROADWAY PLAN</b>			F.A.U. RE. = 0186	SECTION = 36-RS-5	COUNTY = LAKE	TOTAL SHEETS = 31	SHEET NO. = 7
PLOT SCALE = 100.0000' / in.	CHECKED - MGR	REVISOR -	DATE - 6/19/2014		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60N58		
PLOT DATE = 6/19/2014	DATE - 6/19/2014	REVISOR -	REVISOR -		ILLINOIS FED. AID PROJECT							

EXIST. CURVE C3  
 PI STA. = 155+42.26  
 $\Delta = 43^\circ 58' 09''$  (RT)  
 $D = 5^\circ 43' 46''$   
 $R = 1,000.00'$   
 $T = 403.71'$   
 $L = 767.41'$   
 $E = 78.42'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 151+38.54$   
 $P.T. \text{ STA.} = 159+05.95$

EXIST. CURVE C4  
 PI STA. = 166+56.59  
 $\Delta = 45^\circ 16' 29''$  (LT)  
 $D = 6^\circ 05' 43''$   
 $R = 940.00'$   
 $T = 392.00'$   
 $L = 742.78'$   
 $E = 78.46'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 162+64.58$   
 $P.T. \text{ STA.} = 170+07.36$



- (A) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE  
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)  
(LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE  
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE  
12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - DOTTED LINE  
2' DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - SKIP DASH LINES  
10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE (RIGHT) - 45° DIAGONALS  
75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (N) PROP. THPL. PAVEMENT MARKING LINE  
4" YELLOW - SKIP-DASH LINE  
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP)  
RAILROAD CROSSING

FILE NAME =	USER NAME = mpe11	DESIGNED - RG	REVISED -
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	PLOT DATE = 6/19/2014	DATE - 6/19/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

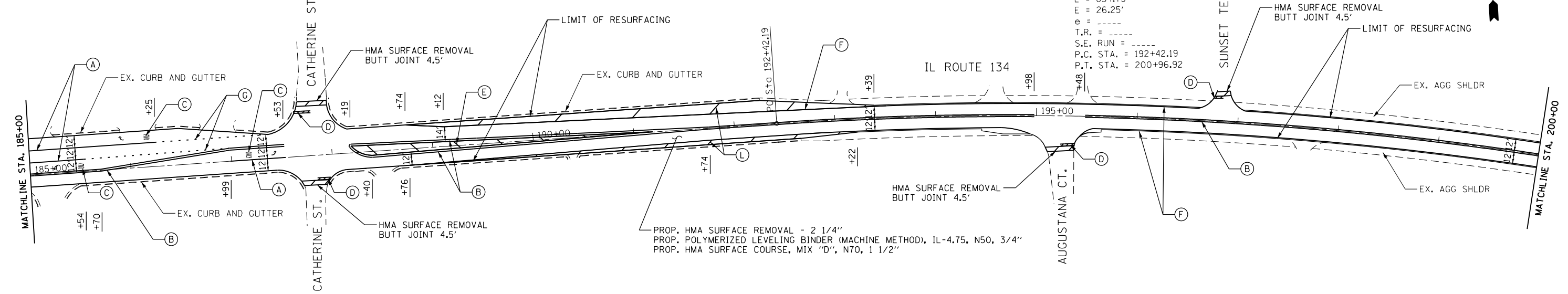
**IL ROUTE 134 (MAIN STREET)  
 PROPOSED ROADWAY PLAN**

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

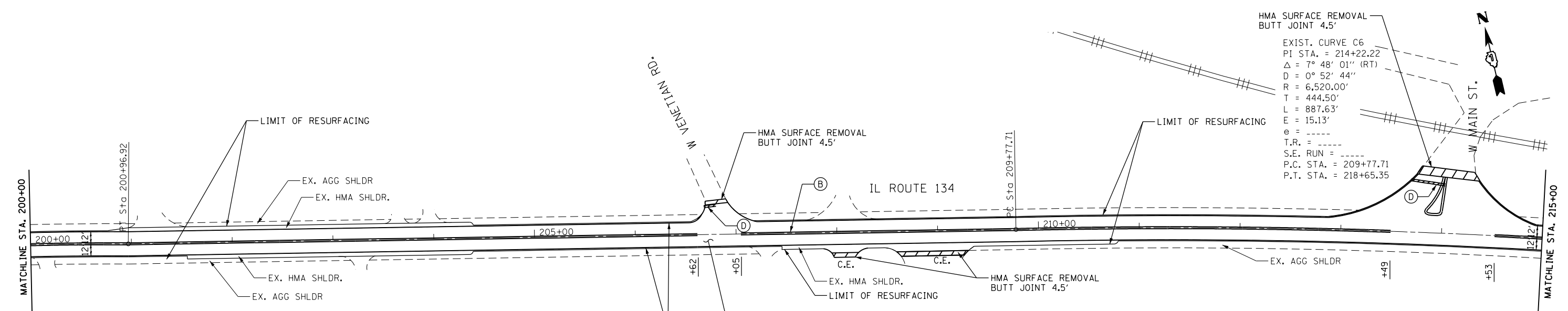
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-RS-5	LAKE	31	8
CONTRACT NO. 60N58				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE C5  
 PI STA. = 196+71.69  
 $\Delta = 13^\circ 59' 32''$  (RT)  
 $D = 1^\circ 38' 13''$   
 $R = 3,500.00'$   
 $T = 429.50'$   
 $L = 854.73'$   
 $E = 26.25'$   
 $e = \text{-----}$   
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 192+42.19  
 P.T. STA. = 200+96.92



PROP. HMA SURFACE REMOVAL - 2 1/4"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"



EXIST. CURVE C6  
 PI STA. = 214+22.22  
 $\Delta = 7^\circ 48' 01''$  (RT)  
 $D = 0^\circ 52' 44''$   
 $R = 6,520.00'$   
 $T = 444.50'$   
 $L = 887.63'$   
 $E = 15.13'$   
 $e = \text{-----}$   
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 209+77.71  
 P.T. STA. = 218+65.35



PROP. HMA SURFACE REMOVAL - 2 1/4"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

- (A) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE  
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)  
(LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE  
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE  
12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - DOTTED LINE  
2' DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - SKIP DASH LINES  
10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE (RIGHT) - 45° DIAGONALS  
75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (N) PROP. THPL. PAVEMENT MARKING LINE  
4" YELLOW - SKIP-DASH LINE  
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP)  
RAILROAD CROSSING

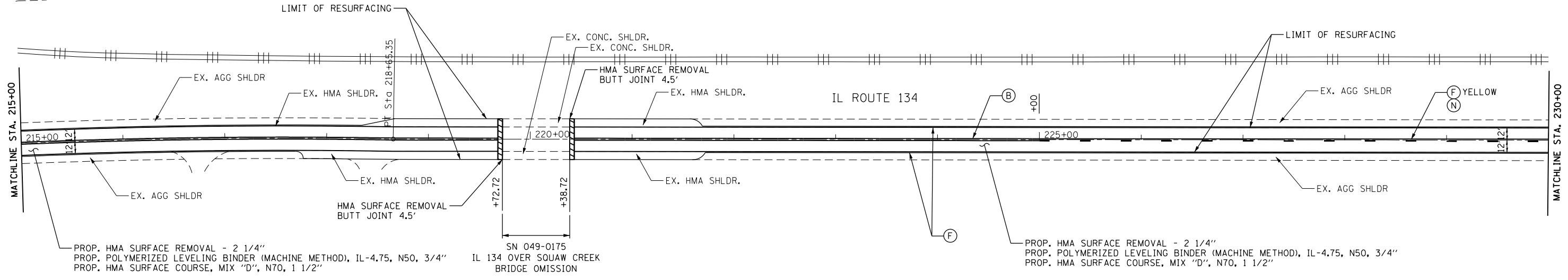
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	PLOT SCALE = 100.0000' / in.	DATE - 6/19/2014	REVISED -
	PLOT DATE = 6/19/2014		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 134 (MAIN STREET)  
 PROPOSED ROADWAY PLAN**

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

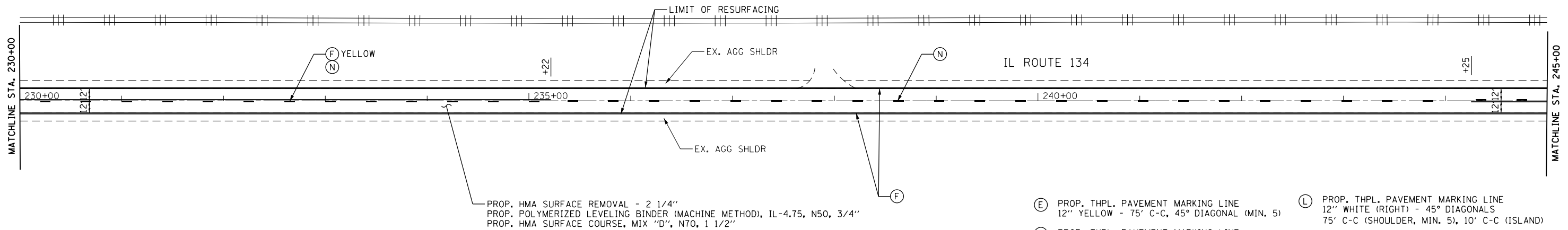
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-RS-5	LAKE	31	9
CONTRACT NO. 60N58				
ILLINOIS FED. AID PROJECT				



PROP. HMA SURFACE REMOVAL - 2 1/4"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

SN 049-0175  
 IL 134 OVER SQUAW CREEK  
 BRIDGE OMISSION

PROP. HMA SURFACE REMOVAL - 2 1/4"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"



PROP. HMA SURFACE REMOVAL - 2 1/4"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

- (A) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE  
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)  
(LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE  
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE  
12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - DOTTED LINE  
2" DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - SKIP DASH LINES  
10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE (RIGHT) - 45° DIAGONALS  
75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (N) PROP. THPL. PAVEMENT MARKING LINE  
4" YELLOW - SKIP-DASH LINE  
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP)  
RAILROAD CROSSING

FILE NAME =	USER NAME = mpell	DESIGNED - RG	REVISED -
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	PLOT DATE = 6/19/2014	DATE - 6/19/2014	REVISED -

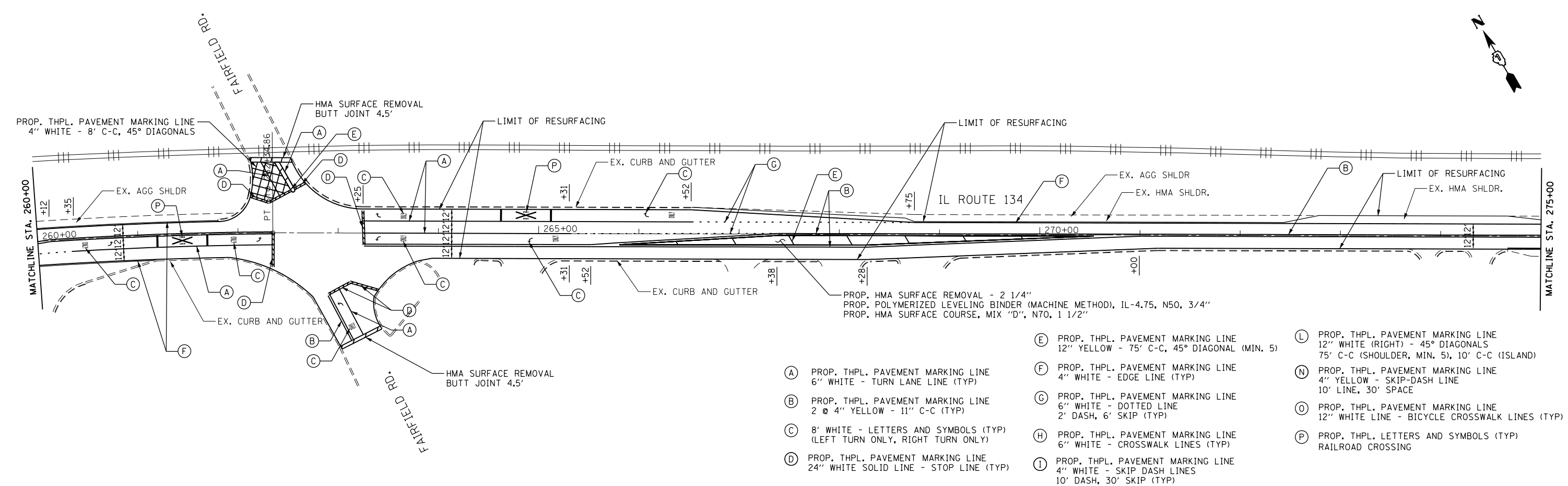
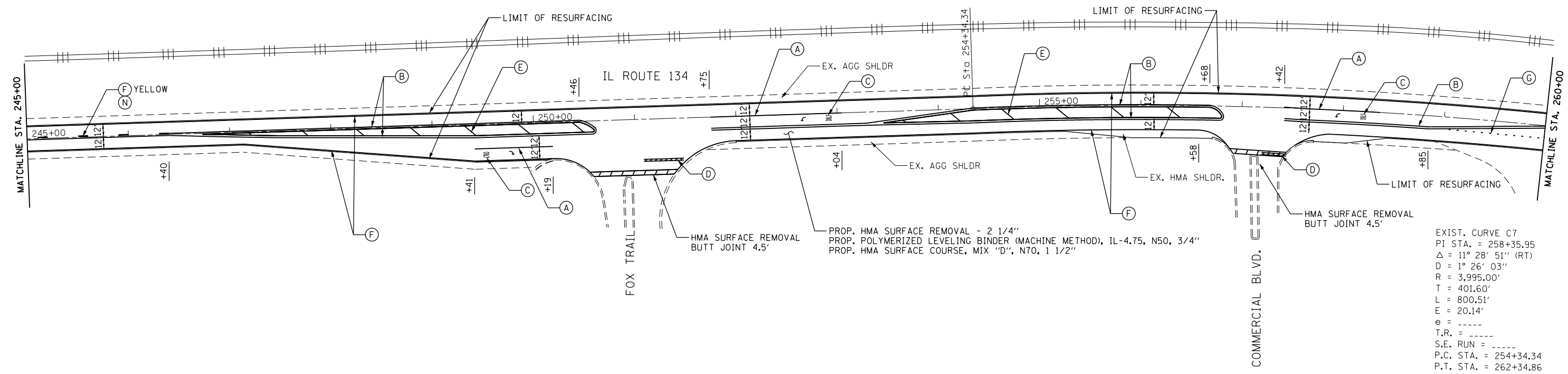
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 134 (MAIN STREET)  
 PROPOSED ROADWAY PLAN**

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

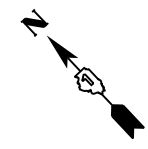
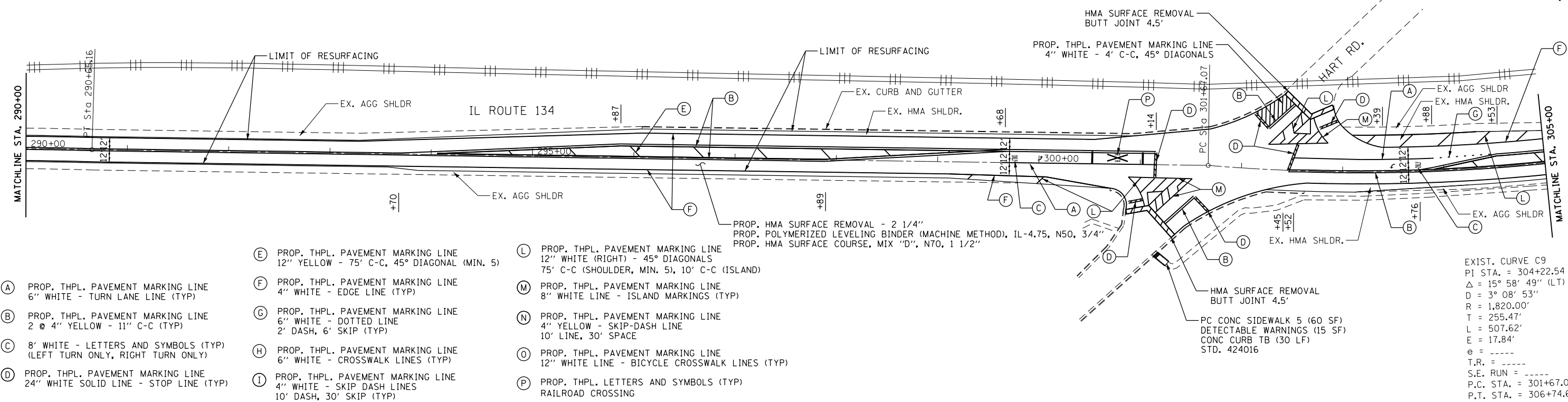
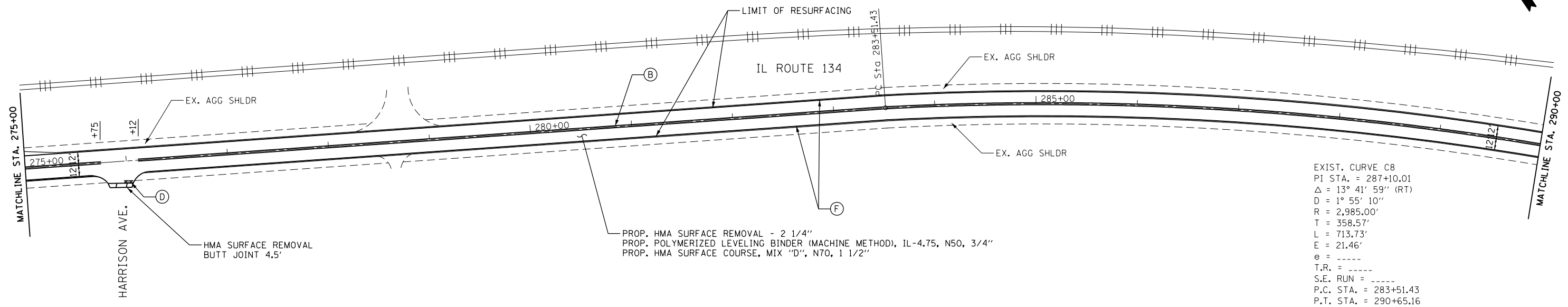
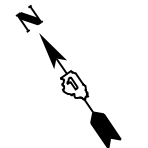
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-RS-5	LAKE	31	10
CONTRACT NO. 60N58				

ILLINOIS FED. AID PROJECT



- (A) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE  
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)  
(LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE  
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE  
12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - DOTTED LINE  
2' DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - SKIP DASH LINES  
10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE (RIGHT) - 45° DIAGONALS  
75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (N) PROP. THPL. PAVEMENT MARKING LINE  
4" YELLOW - SKIP-DASH LINE  
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP)  
RAILROAD CROSSING

FILE NAME = I:\6710\6710.05 - 3P Resurfacing Projects	USER NAME = mpell	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 134 (MAIN STREET) PROPOSED ROADWAY PLAN</b>			F.A.U. RT. = 0186	SECTION = 36-RS-5	COUNTY = LAKE	TOTAL SHEETS = 31	SHEET NO. = 11		
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	PLOT DATE = 6/19/2014	CHECKED - MGR	REVISED -					ILLINOIS FED. AID PROJECT						
		DATE = 6/19/2014	REVISED -					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.		



- (A) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE  
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)  
(LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE  
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE  
12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - DOTTED LINE  
2' DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - SKIP DASH LINES  
10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE (RIGHT) - 45° DIAGONALS  
75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (M) PROP. THPL. PAVEMENT MARKING LINE  
8" WHITE LINE - ISLAND MARKINGS (TYP)
- (N) PROP. THPL. PAVEMENT MARKING LINE  
4" YELLOW - SKIP-DASH LINE  
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP)  
RAILROAD CROSSING

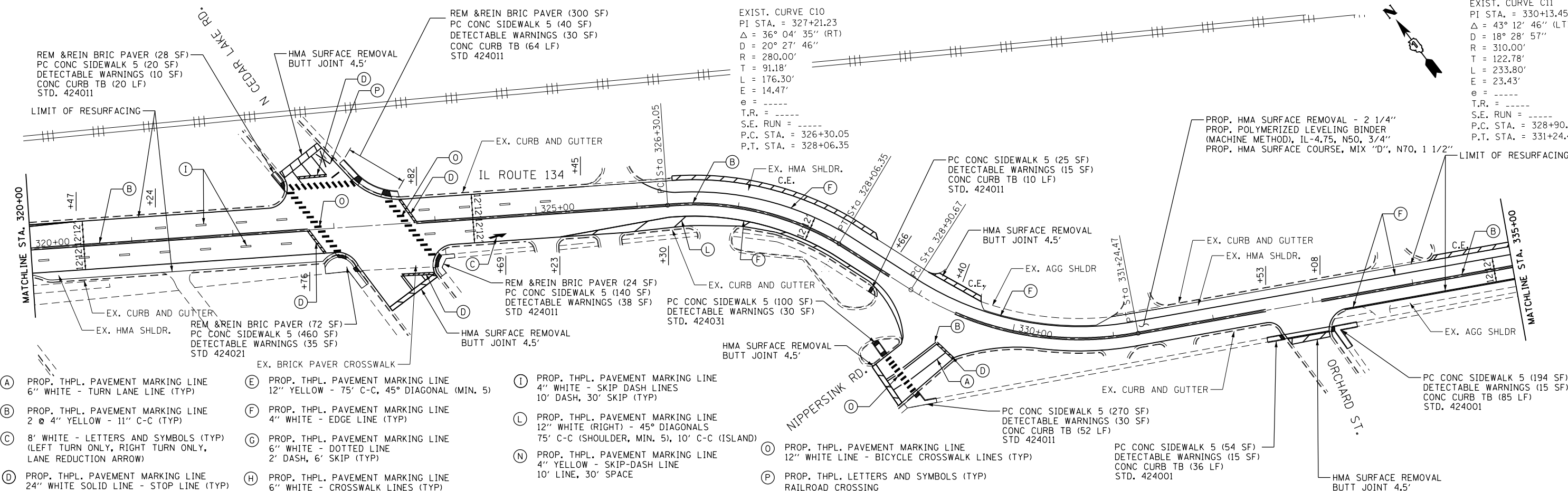
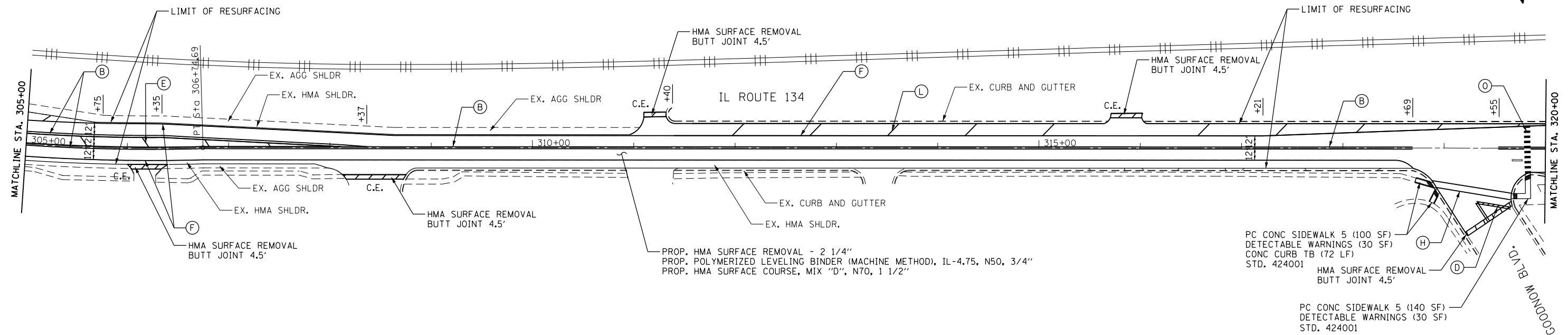
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PLOT SCALE = 100.0000' / in.	CHECKED - MGR	REVISED -	
PLOT DATE = 6/19/2014	DATE - 6/19/2014	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 134 (MAIN STREET)  
PROPOSED ROADWAY PLAN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-RS-5	LAKE	31	12
CONTRACT NO. 60N58				
ILLINOIS FED. AID PROJECT				



- (A) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE  
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)  
(LEFT TURN ONLY, RIGHT TURN ONLY,  
LANE REDUCTION ARROW)
- (D) PROP. THPL. PAVEMENT MARKING LINE  
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE  
12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - DOTTED LINE  
2' DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE  
6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE  
4" WHITE - SKIP DASH LINES  
10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE (RIGHT) - 45° DIAGONALS  
75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (N) PROP. THPL. PAVEMENT MARKING LINE  
4" YELLOW - SKIP-DASH LINE  
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE  
12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP)  
RAILROAD CROSSING

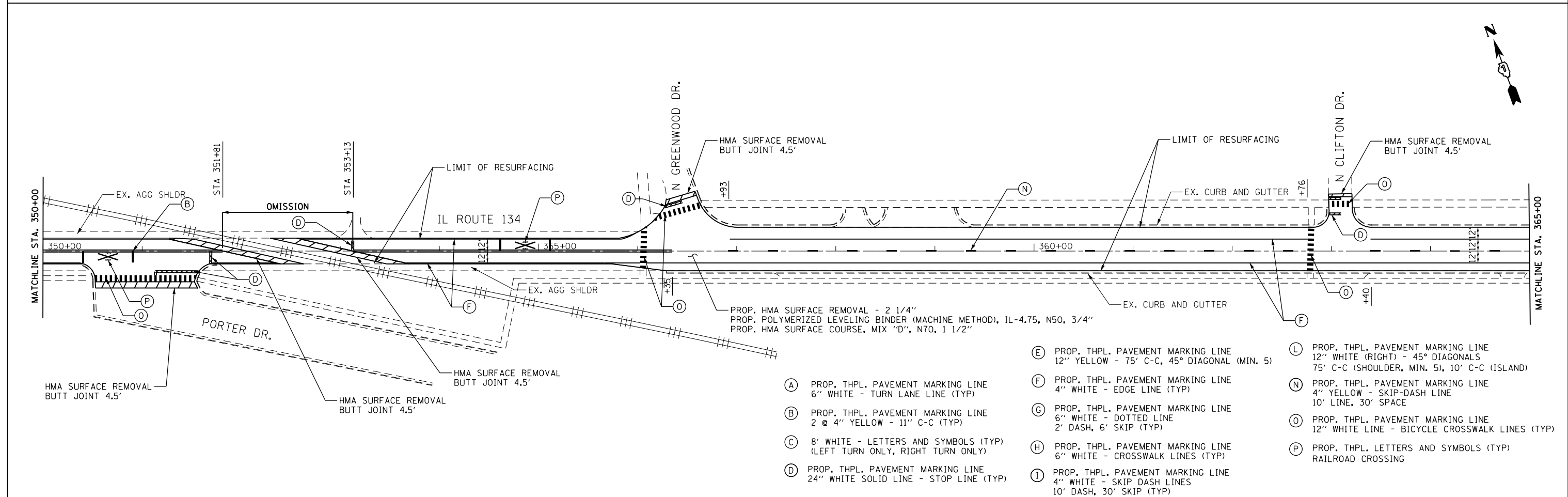
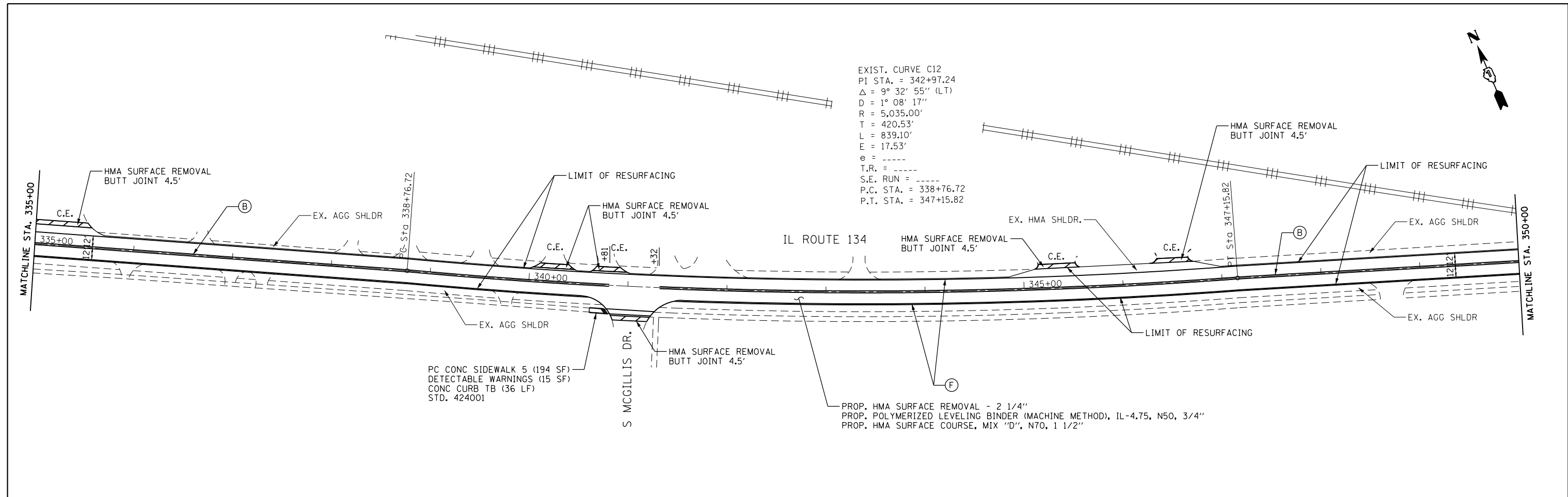
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 134 (MAIN STREET)  
PROPOSED ROADWAY PLAN**

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

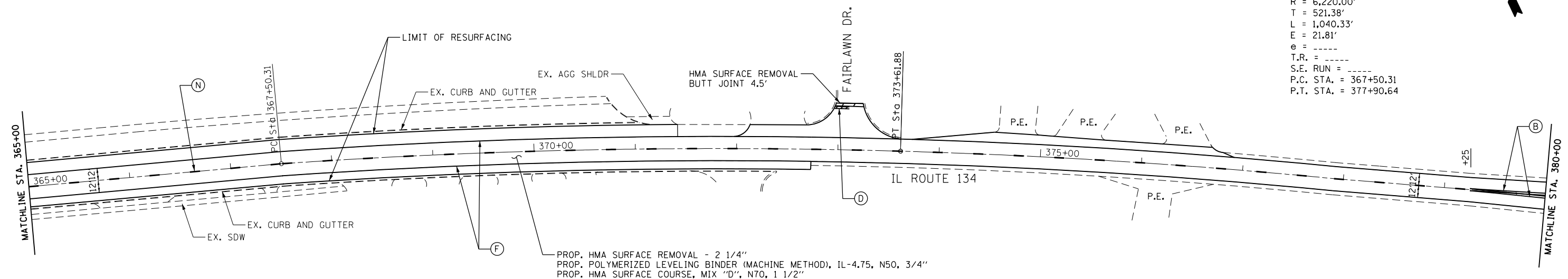
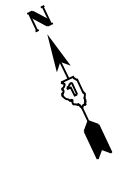
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0186	36-RS-5	LAKE	31	13
CONTRACT NO. 60N58				
ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = mpe11	DESIGNED -	RG	REVISED -	
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	PLOT DATE = 6/19/2014	DATE -	6/19/2014	REVISED -	



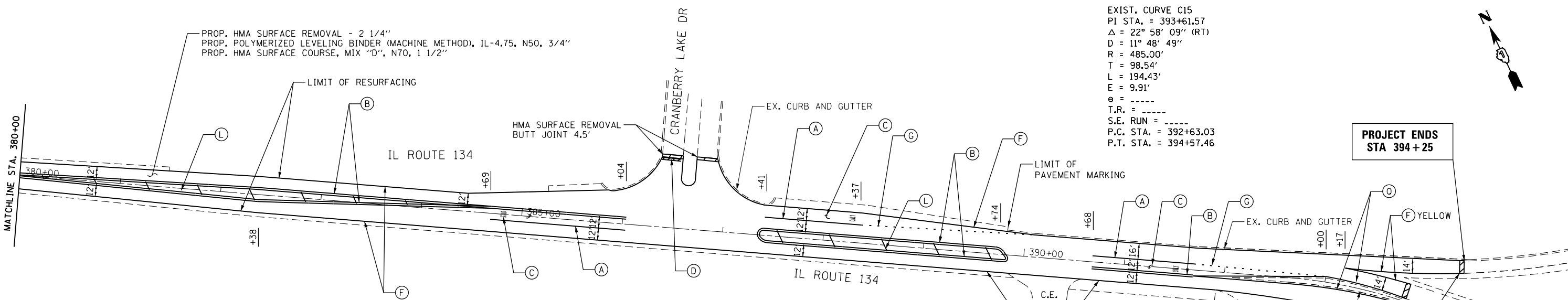
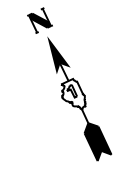
FILE NAME =	USER NAME = mpell	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 134 (MAIN STREET) PROPOSED ROADWAY PLAN</b>			F.A.U. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\6710\6710.05 - 3P Resurfacing Projects	Plans\60N58\CADD\CADD Sheets\60N58.RDW	DRAWN - RG	REVISED -					0186	36-RS-5	LAKE	31	14
PLOT SCALE = 100.0000' / 1"	CHECKED - MGR	REVISED -	REVISED -					CONTRACT NO. 60N58				
PLOT DATE = 6/19/2014	DATE - 6/19/2014	REVISED -	REVISED -					ILLINOIS FED. AID PROJECT				

EXIST. CURVE C14  
 PI STA. = 372+71.69  
 $\Delta = 9^\circ 34' 59''$  (RT)  
 D = 0° 55' 16"  
 R = 6,220.00'  
 T = 521.38'  
 L = 1,040.33'  
 E = 21.81'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 367+50.31  
 P.T. STA. = 377+90.64



PROP. HMA SURFACE REMOVAL - 2 1/4"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

EXIST. CURVE C15  
 PI STA. = 393+61.57  
 $\Delta = 22^\circ 58' 09''$  (RT)  
 D = 11° 48' 49"  
 R = 485.00'  
 T = 98.54'  
 L = 194.43'  
 E = 9.91'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 392+63.03  
 P.T. STA. = 394+57.46



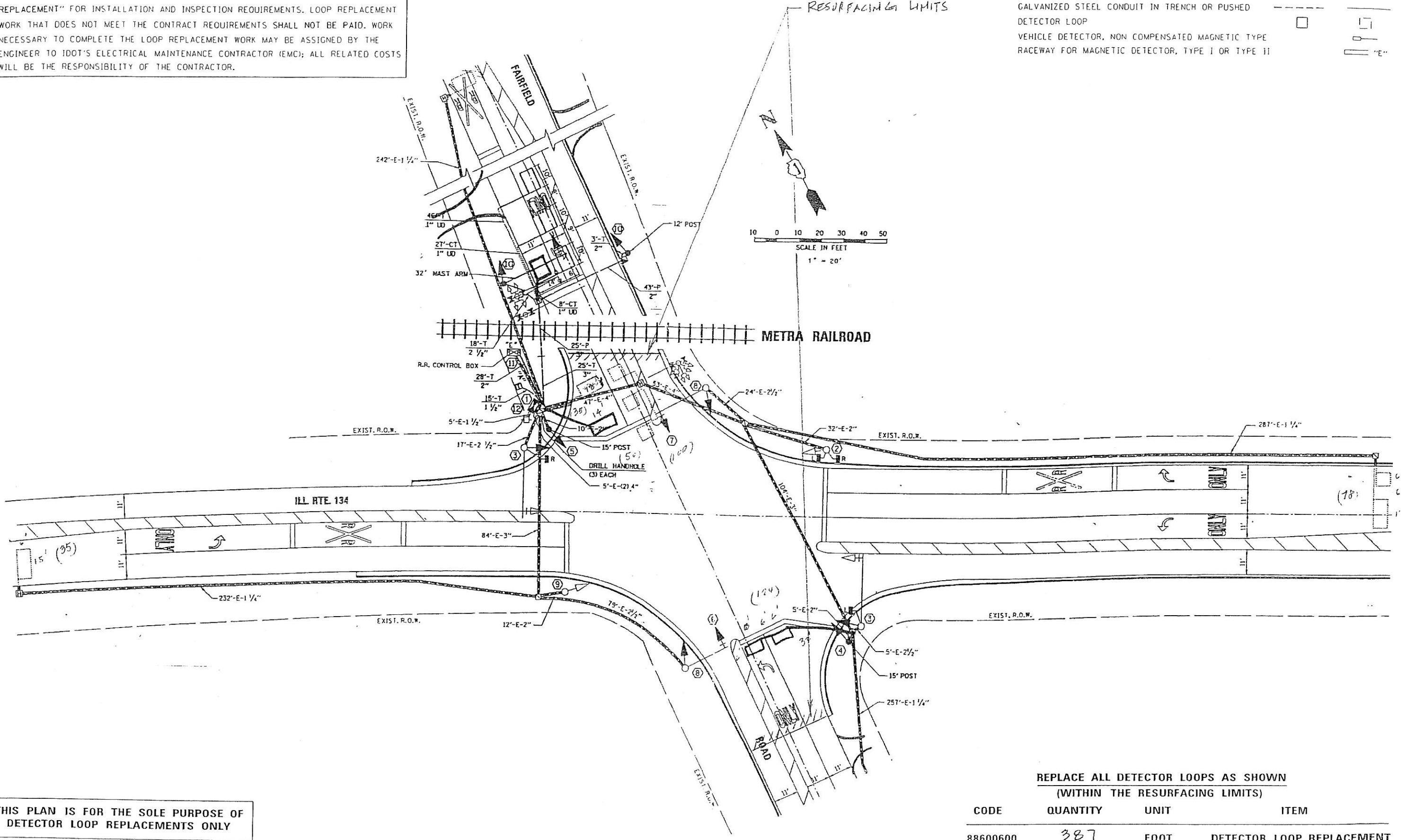
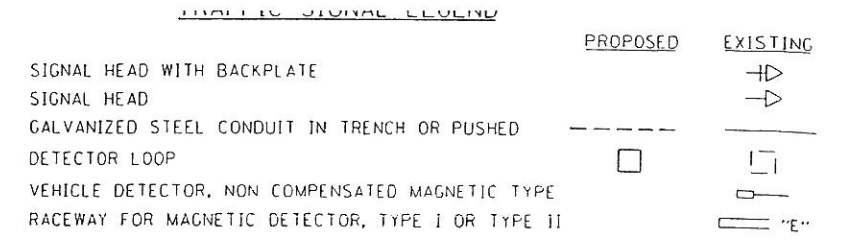
PROP. HMA SURFACE REMOVAL - 2 1/4"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

PROJECT ENDS  
 STA 394+25

- (A) PROP. THPL. PAVEMENT MARKING LINE 6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE 2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP) (LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE 24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) PROP. THPL. PAVEMENT MARKING LINE 12" YELLOW - 75' C-C, 45° DIAGONAL (MIN. 5)
- (F) PROP. THPL. PAVEMENT MARKING LINE 4" WHITE - EDGE LINE (TYP)
- (G) PROP. THPL. PAVEMENT MARKING LINE 6" WHITE - DOTTED LINE 2' DASH, 6' SKIP (TYP)
- (H) PROP. THPL. PAVEMENT MARKING LINE 6" WHITE - CROSSWALK LINES (TYP)
- (I) PROP. THPL. PAVEMENT MARKING LINE 4" WHITE - SKIP DASH LINES 10' DASH, 30' SKIP (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE 12" WHITE (RIGHT) - 45° DIAGONALS 75' C-C (SHOULDER, MIN. 5), 10' C-C (ISLAND)
- (N) PROP. THPL. PAVEMENT MARKING LINE 4" YELLOW - SKIP-DASH LINE 10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE 12" WHITE LINE - BICYCLE CROSSWALK LINES (TYP)
- (P) PROP. THPL. LETTERS AND SYMBOLS (TYP) RAILROAD CROSSING

FILE NAME = I:\6710\6710.05 - 3P Resurfacing Projects	USER NAME = mpe11	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 134 (MAIN STREET) PROPOSED ROADWAY PLAN</b>				F.A.U. RTE. = 0186	SECTION = 36-RS-5	COUNTY = LAKE	TOTAL SHEETS = 31	SHEET NO. = 15
PLOT SCALE = 100.0000' / in.		CHECKED - MGR	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60N58			
PLOT DATE = 6/19/2014		DATE = 6/19/2014	REVISED -		ILLINOIS FED. AID PROJECT								

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, TRAFFIC SIGNAL 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.



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

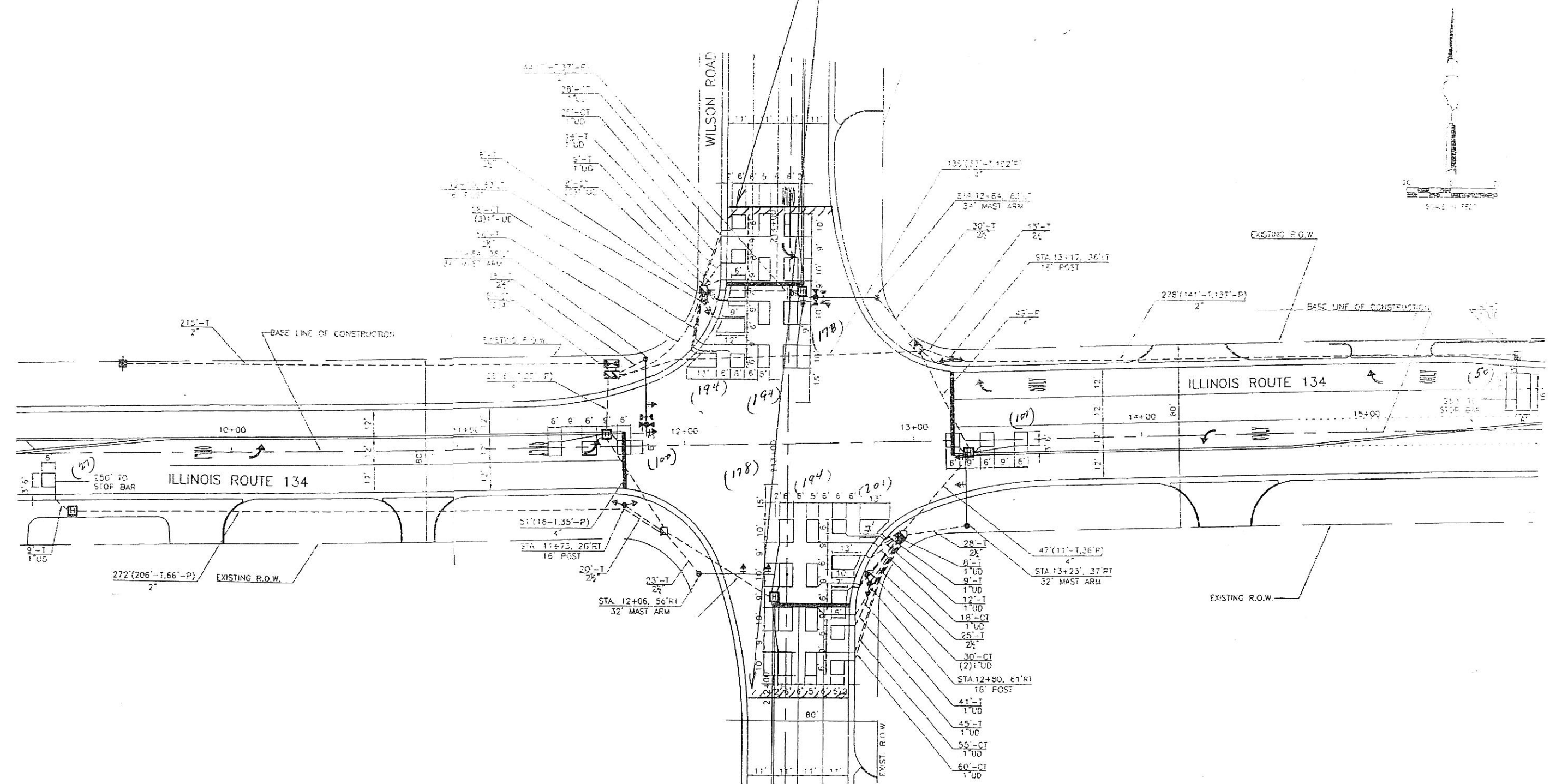
CODE	QUANTITY	UNIT	ITEM
88600600	387	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME : c:\work\p\dot\nguyenm\d0112610\11dot dgn	USER NAME : nguyenm	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE – DETECTOR LOOP REPLACEMENT ILL. ROUTE 134 @ FAIRFIELD RD.	F.A. RTE. :	SECTION :	COUNTY :	TOTAL SHEETS :	SHEET NO. :	
		DRAWN :	REVISED :			0186	36-RS-5	LAKE	31	16	
		CHECKED :	REVISED :			CONTRACT NO. 60N58					
		DATE :	REVISED :			FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT					



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.

	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	1,416 ✓	FOOT	DETECTOR LOOP, REPLACEMENT

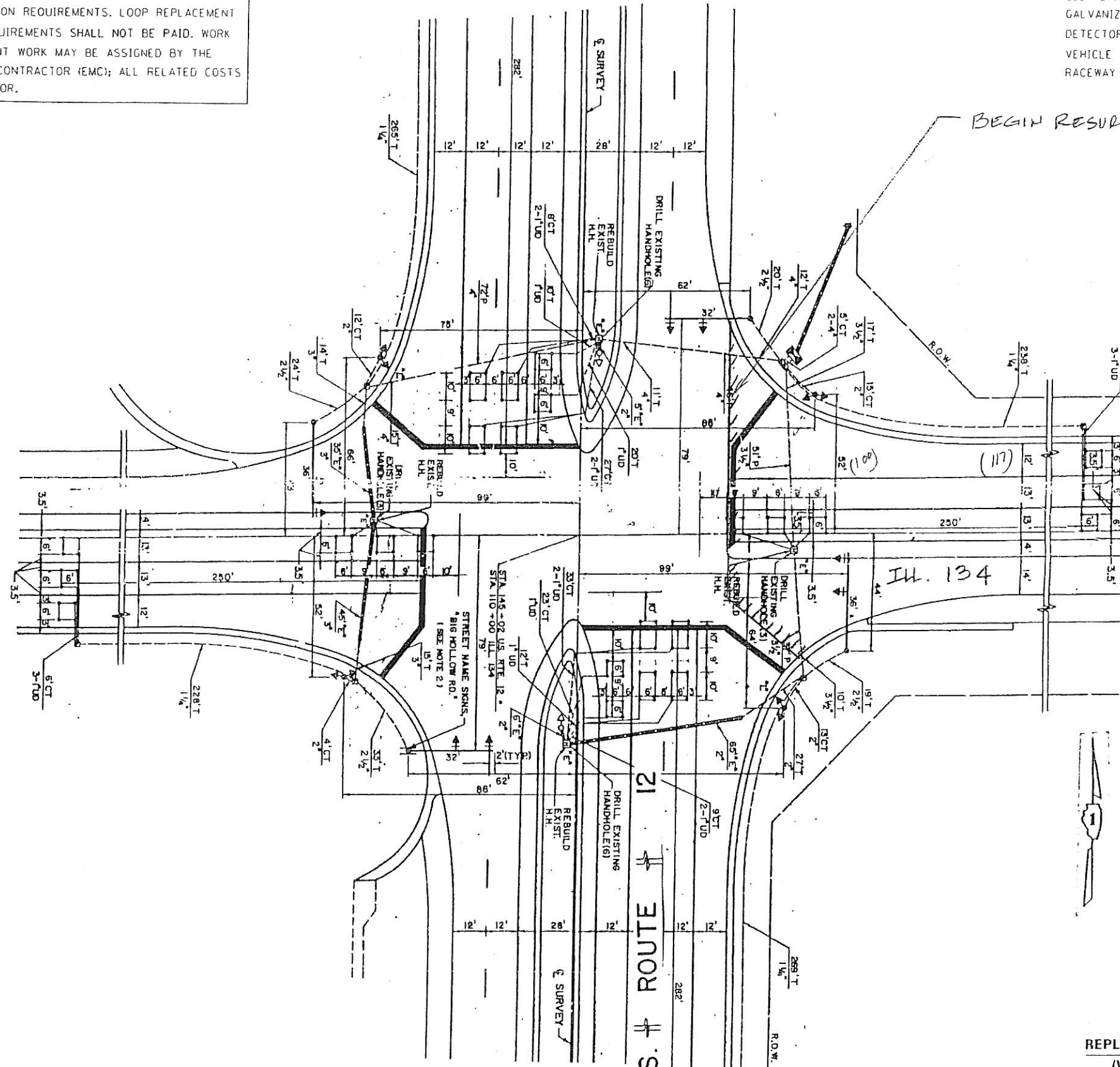
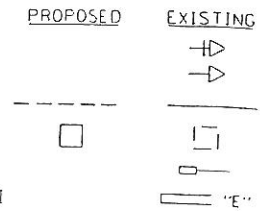
FILE NAME: c:\p\work\p\idot\nguyen\m\0112618\1105\er.dgn	USER NAME: nguyen	DESIGNED: [ ]	REVISD: [ ]	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT ILL ROUTE 134 @ WILSON ROAD</b>	F.A. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
PLOT SCALE: 1/8" = 100.0000' IN.	CHECKED: [ ]	REVISD: [ ]	0186			36-RS-5	LAKE	31	17	
PLOT DATE: 12/11/2010	DATE: [ ]	REVISD: [ ]	CONTRACT NO. 60N58							
SCALE: [ ]	SHEET NO. OF SHEETS: [ ]	STA. TO STA.:	FED. ROAD DIST. NO. [ ] ILLINOIS FED. AID PROJECT							

flasher.dgn 12/11/2010 1:21:56 PM User:nguyen

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

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	217	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME : c:\p\work\p\idot\nguyen\m\08112618\1\1011\1011.dgn	USER NAME : nguyen	DESIGNED : -	REVISED : -
		DRAWN : -	REVISED : -
		CHECKED : -	REVISED : -
		DATE : -	REVISED : -

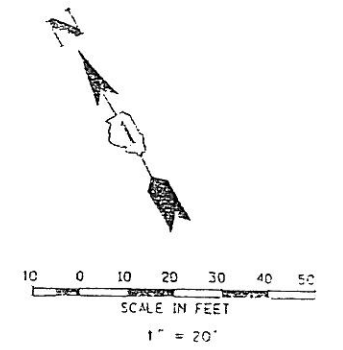
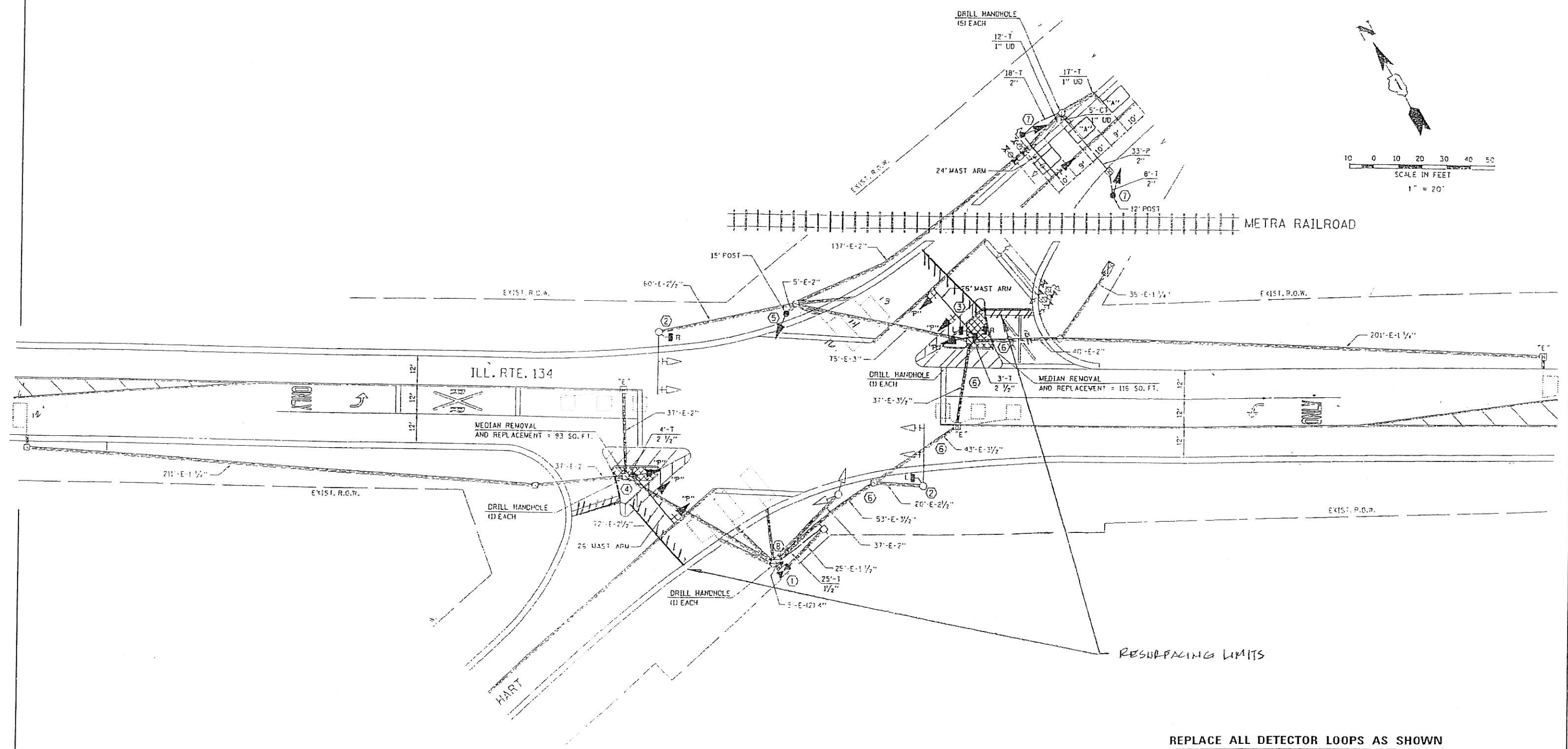
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
 U.S. ROUTE 12 @ ILL. ROUTE 134

F.A. RTE. 0186	SECTION 36-RS-5	COUNTY LAKE	TOTAL SHEETS 31	SHEET NO. 18
CONTRACT NO. 60N58				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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.

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	⊞

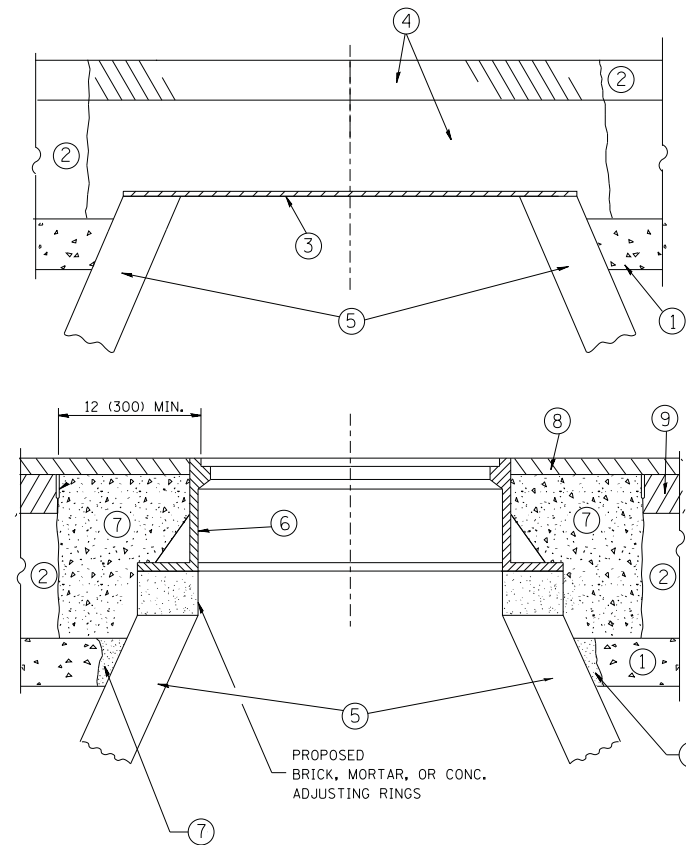


**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

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

CODE	QUANTITY	UNIT	ITEM
88600600	978	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME: c:\p\work\p10dot\nguyenm\12112610\1101.cr.dgn	USER NAME: nguyenm	DESIGNED: -	REVISD: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT ILL. ROUTE 134	F.A. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:	
		DRAWN: -	REVISD: -			0186	36-RS-5		31	19	
		CHECKED: -	REVISD: -			CONTRACT NO. 60N58					
		DATE: -	REVISD: -			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 109.04 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**

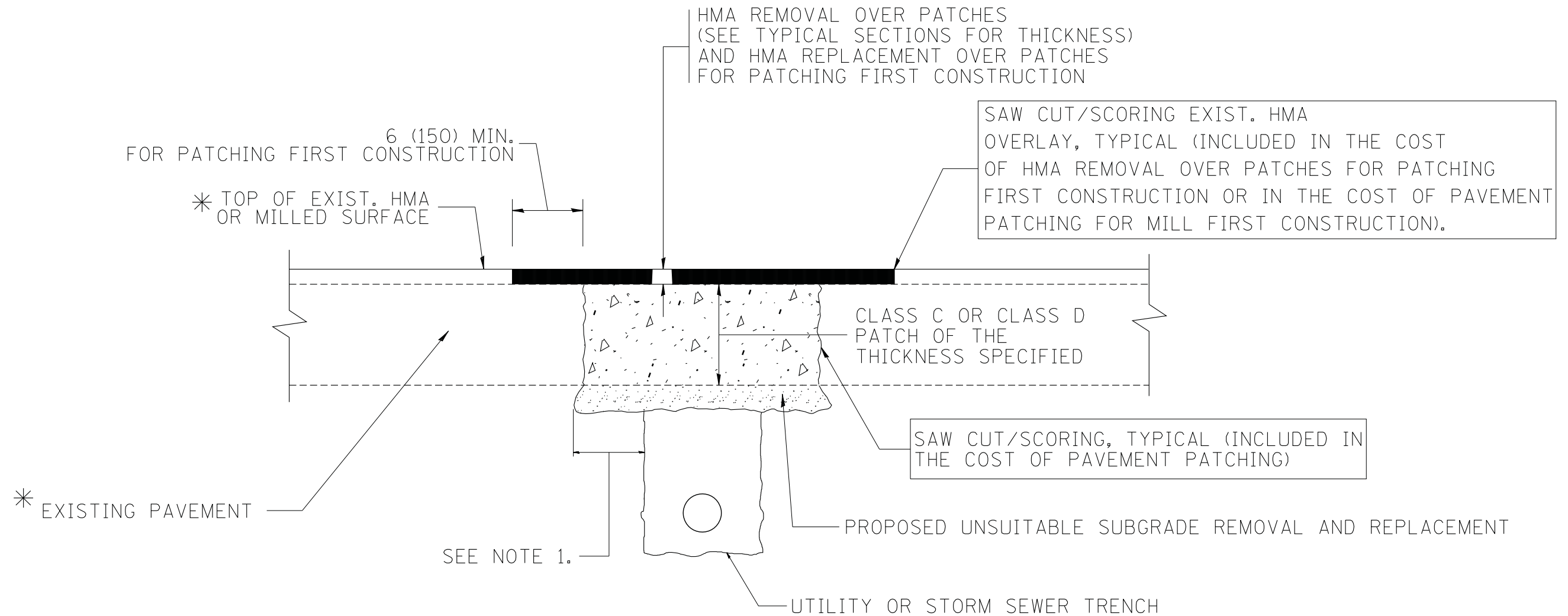
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
ct:\pwork\pwork\baerd1\d0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1/8" = 1' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-R5-5	LAKE	31	20
<b>BD600-03 (BD-8)</b>		CONTRACT NO. 60N58		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
		PLOT SCALE = 50.000' / IN.	REVISED - R. BORO 09-04-07
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE. 0186	SECTION 36-R5-5	COUNTY LAKE	TOTAL SHEETS 31	SHEET NO. 21
<b>BD400-04 (BD-22)</b>			CONTRACT NO. 60N58	
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.

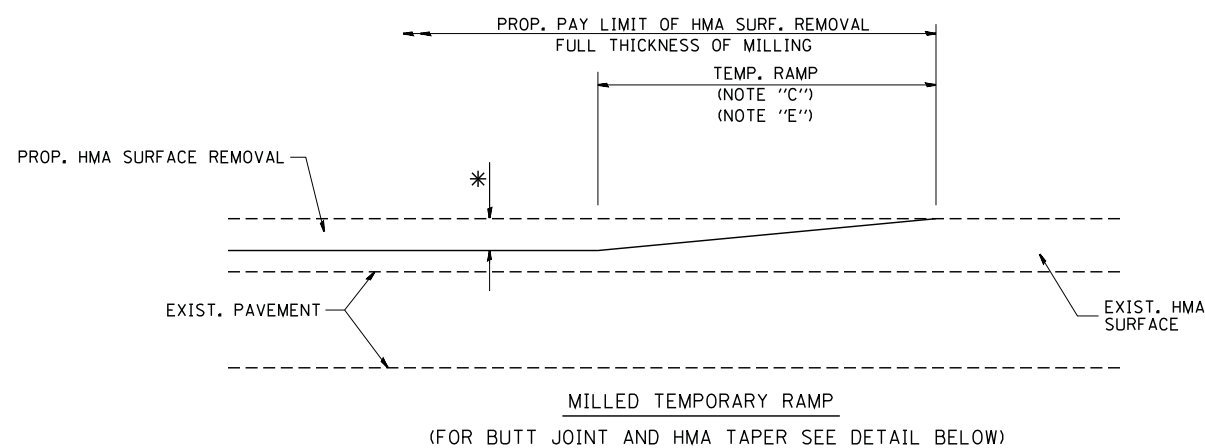
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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".

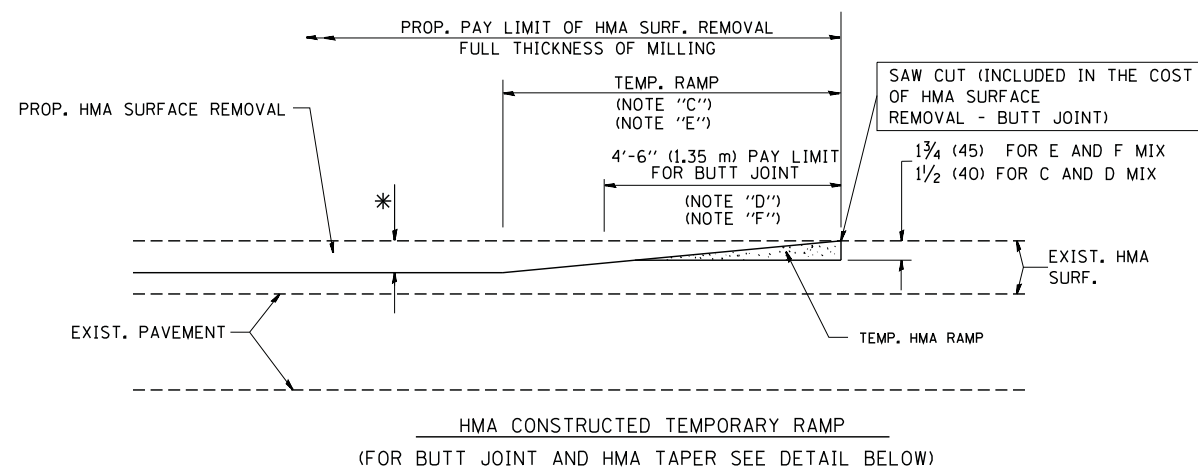
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p1dot\drivakosgn\0108315\bd24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01			0186	36-RS-5	LAKE	31	22
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 12-15-09				<b>BD600-06 (BD-24)</b>		CONTRACT NO. 60N58		
PLOT DATE = 12/15/2009	DATE - 03-11-94					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

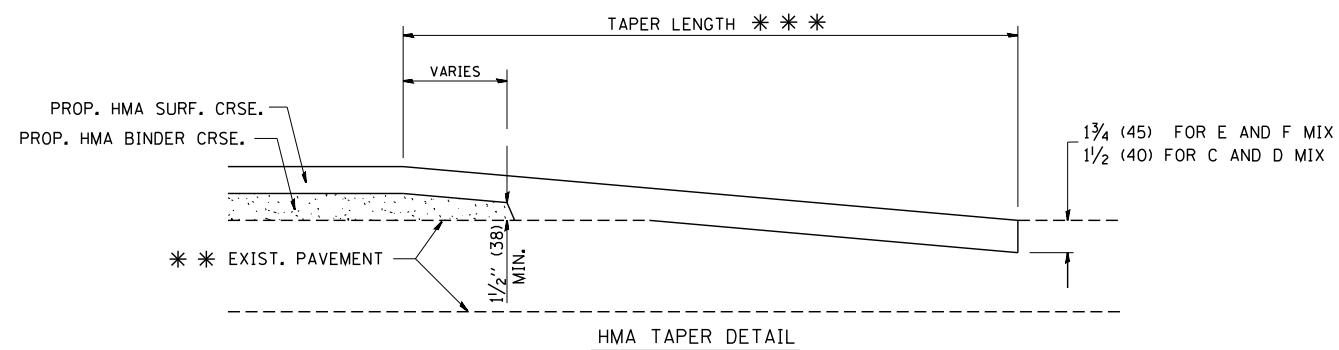
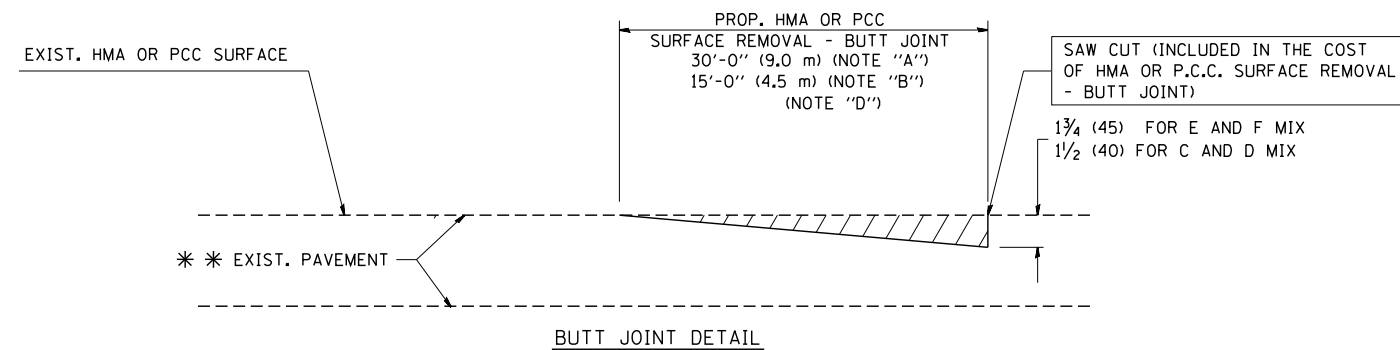


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



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

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

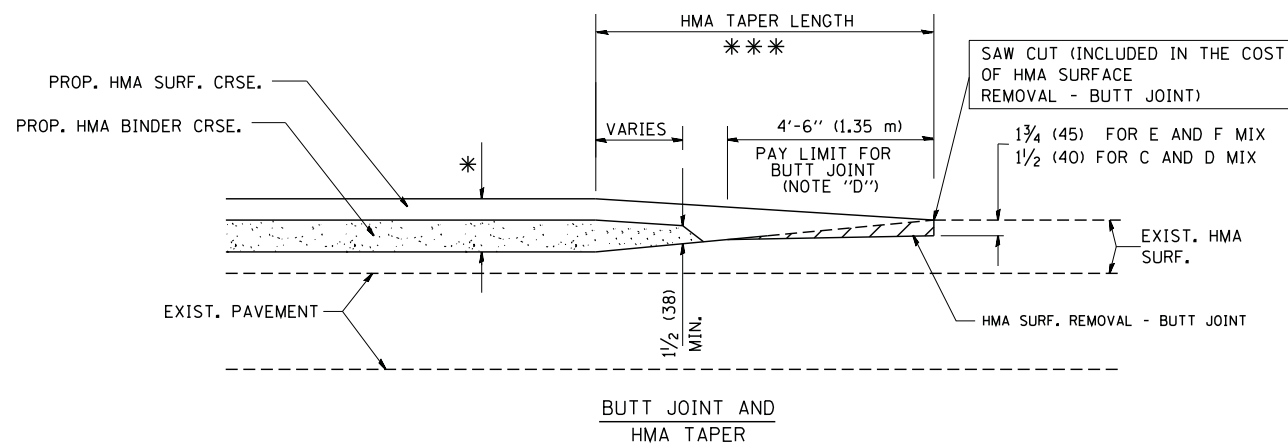
**NOTES**

- 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.



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

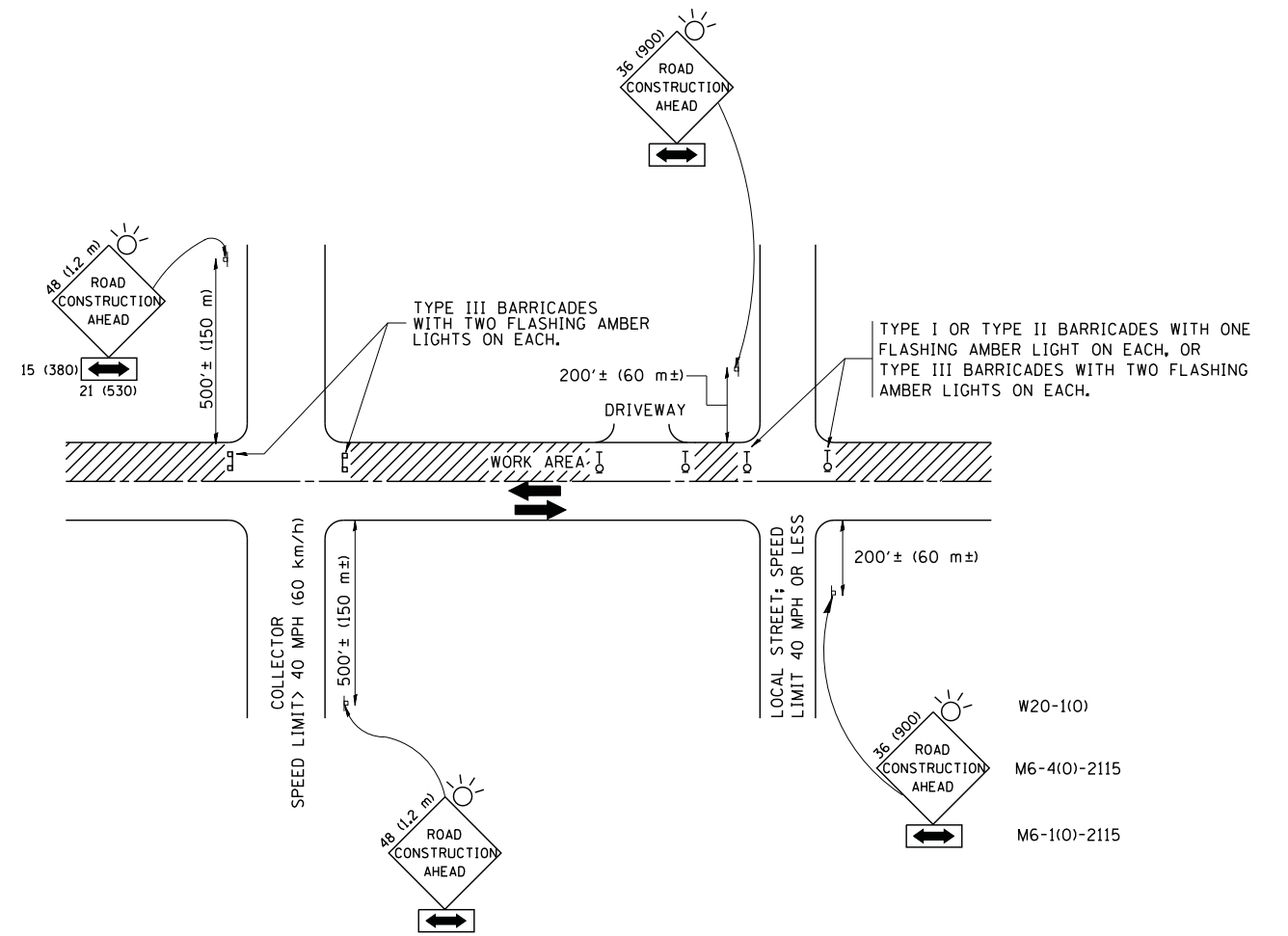
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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A. RTE. 0186	SECTION 36-RS-5	COUNTY LAKE	TOTAL SHEETS 31	SHEET NO. 23
BD400-05 BD32		CONTRACT NO. 60N58		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

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

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

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		DRAWN -	REVISED - A. HOUSEH 03-06-96
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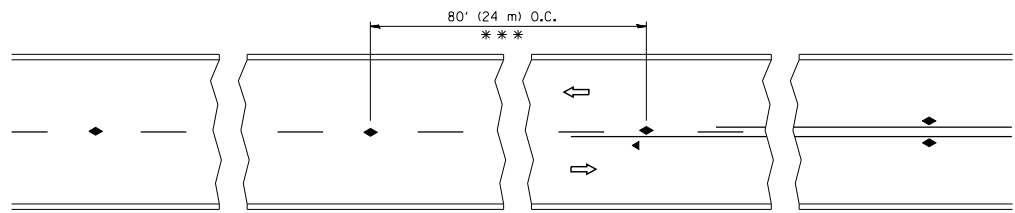
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

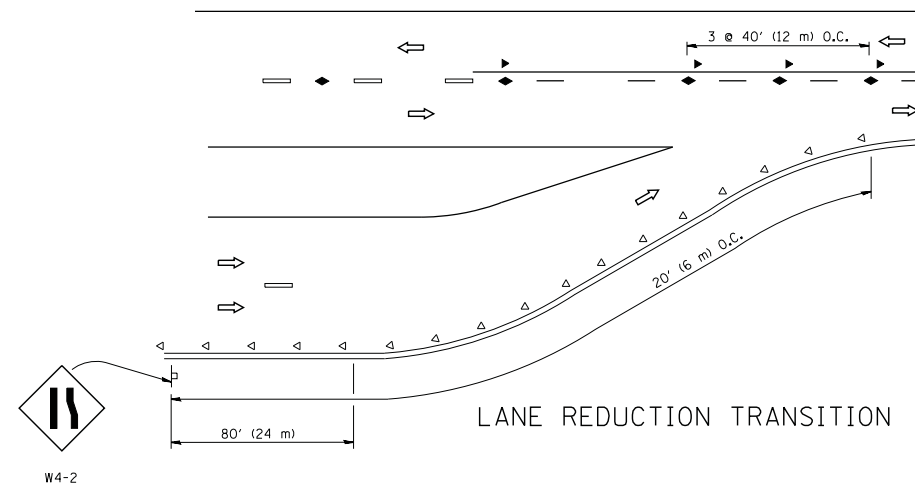
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>		CONTRACT NO. 60N58		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

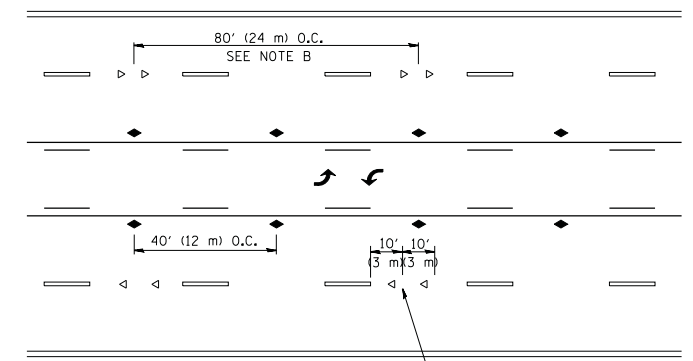




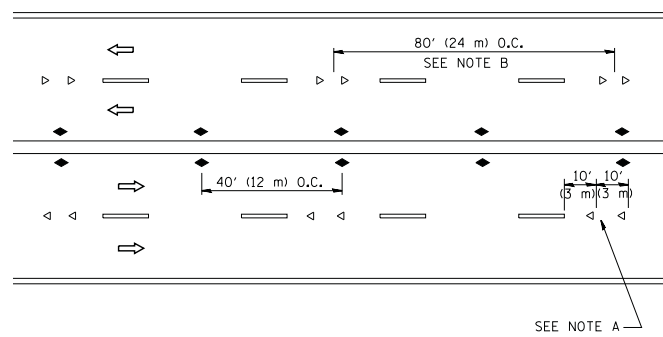
TWO-LANE/TWO-WAY



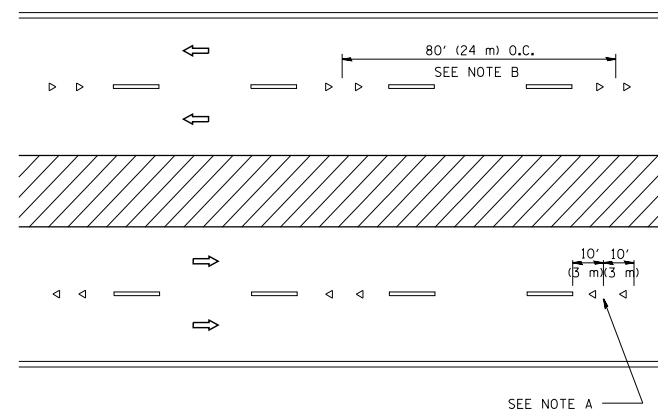
LANE REDUCTION TRANSITION



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

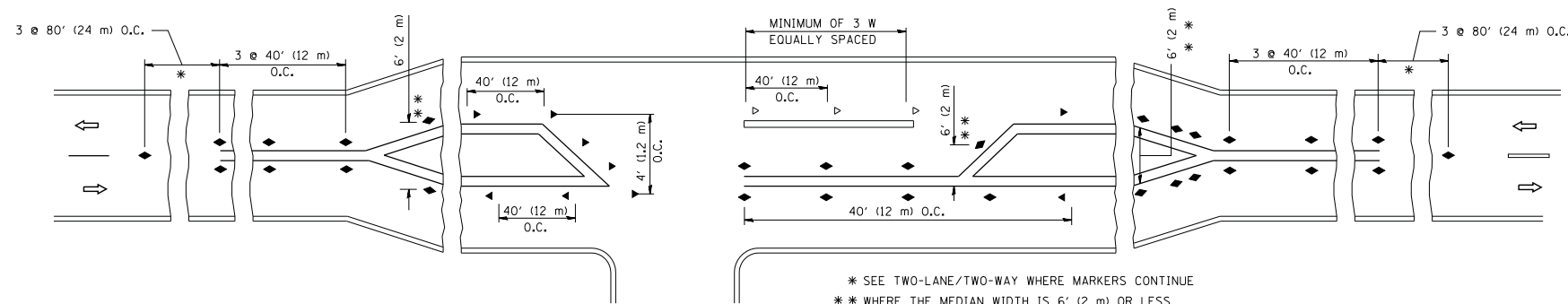
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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 SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
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

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

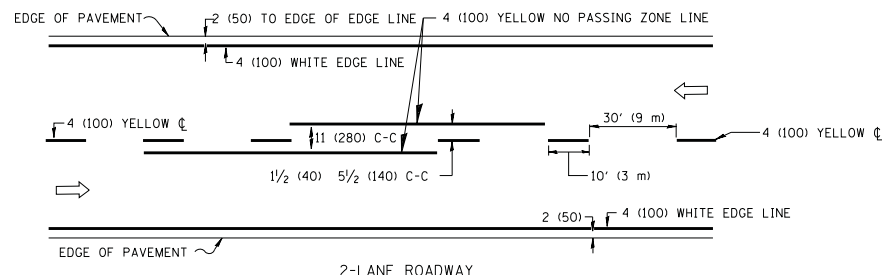
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	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

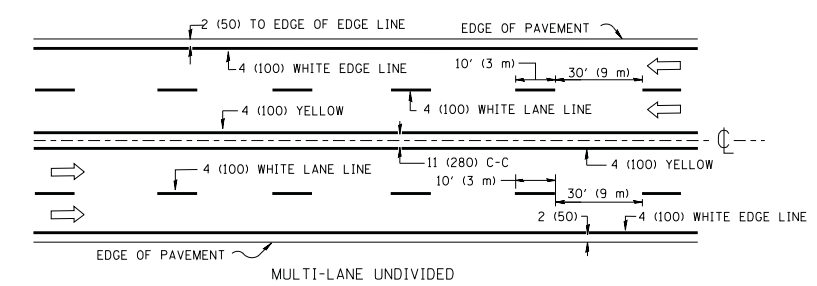
TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

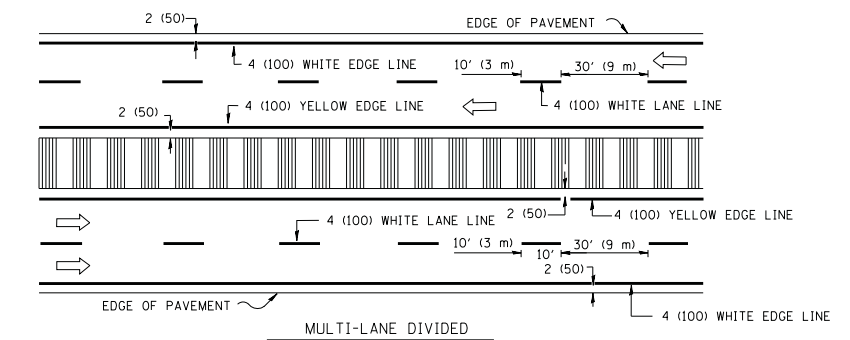
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-RS-5	LAKE	31	25
TC-11		CONTRACT NO. 60N58		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



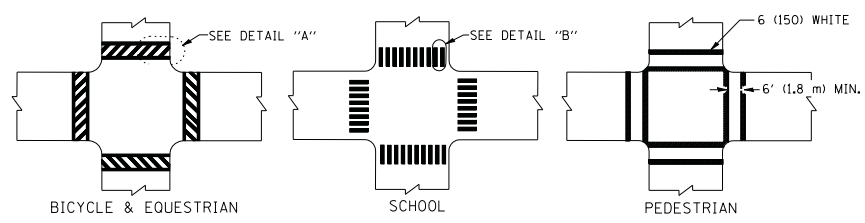
MULTI-LANE UNDIVIDED



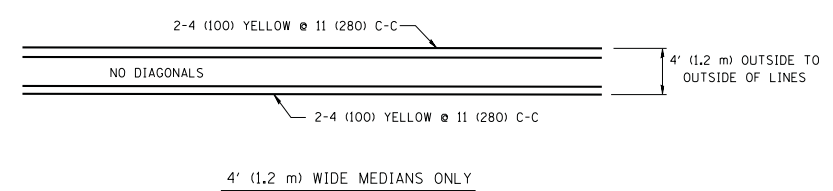
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

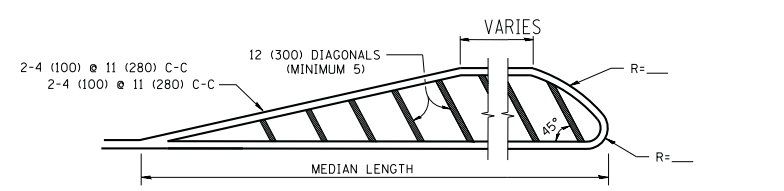
TYPICAL LANE AND EDGE LINE MARKING



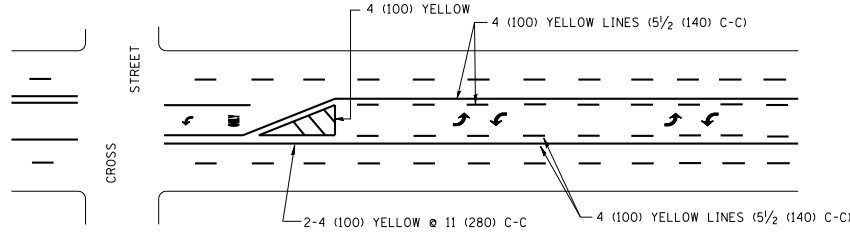
TYPICAL CROSSWALK MARKING



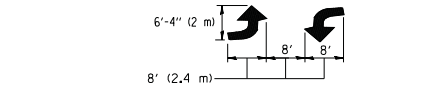
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



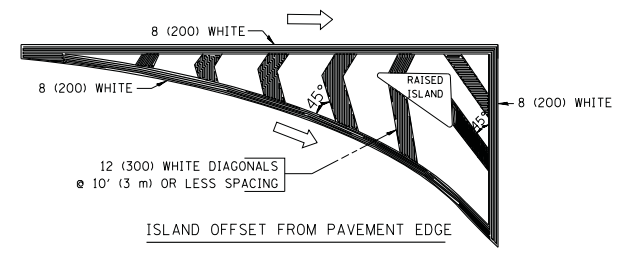
TYPICAL PAINTED MEDIAN MARKING



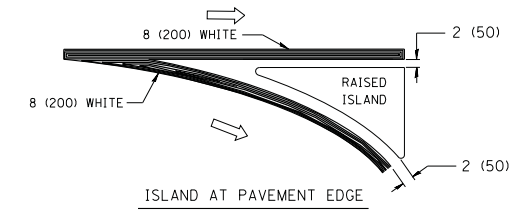
TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* 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 TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

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	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	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" 15' (4.5 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

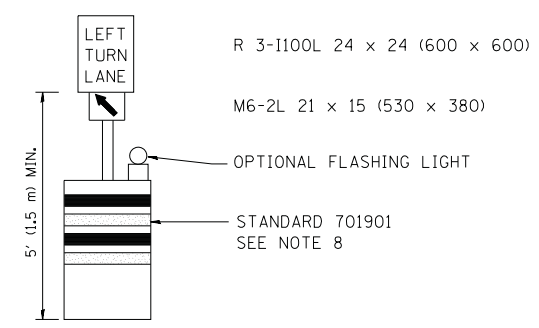
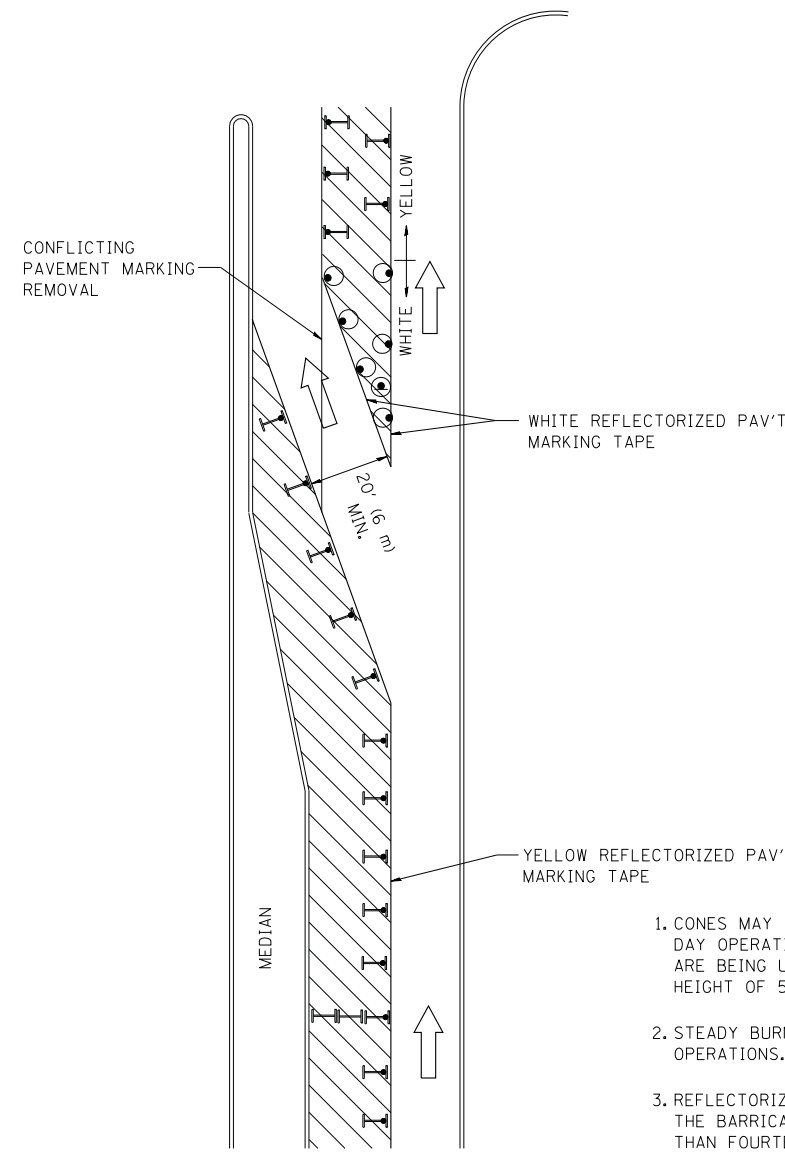
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-13		CONTRACT NO. 60N58		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				









**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

**LEGEND**

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

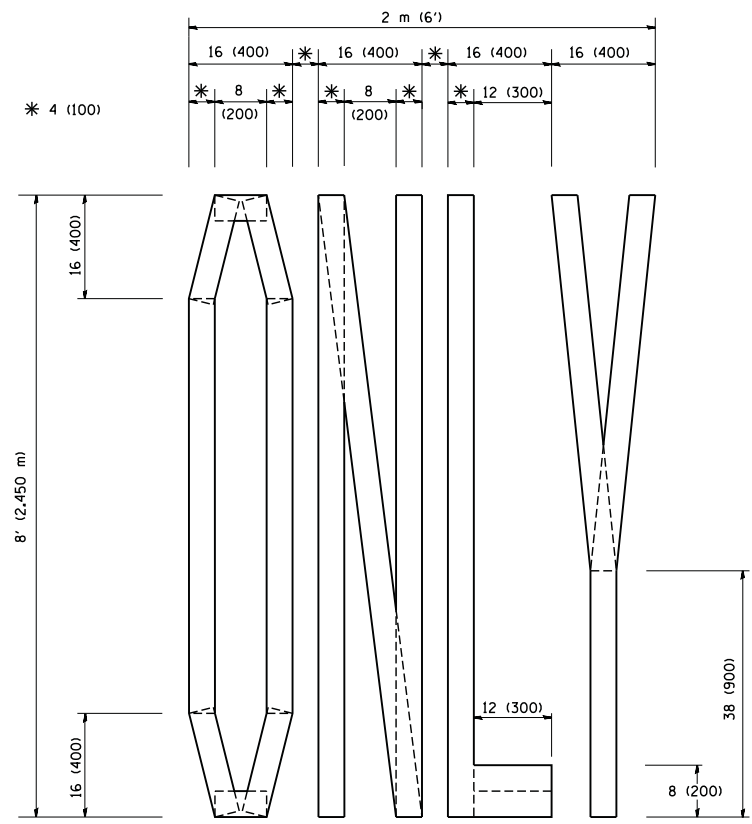
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		REVISED - A. HOUSEH 10-12-96	REVISED -
		REVISED -T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

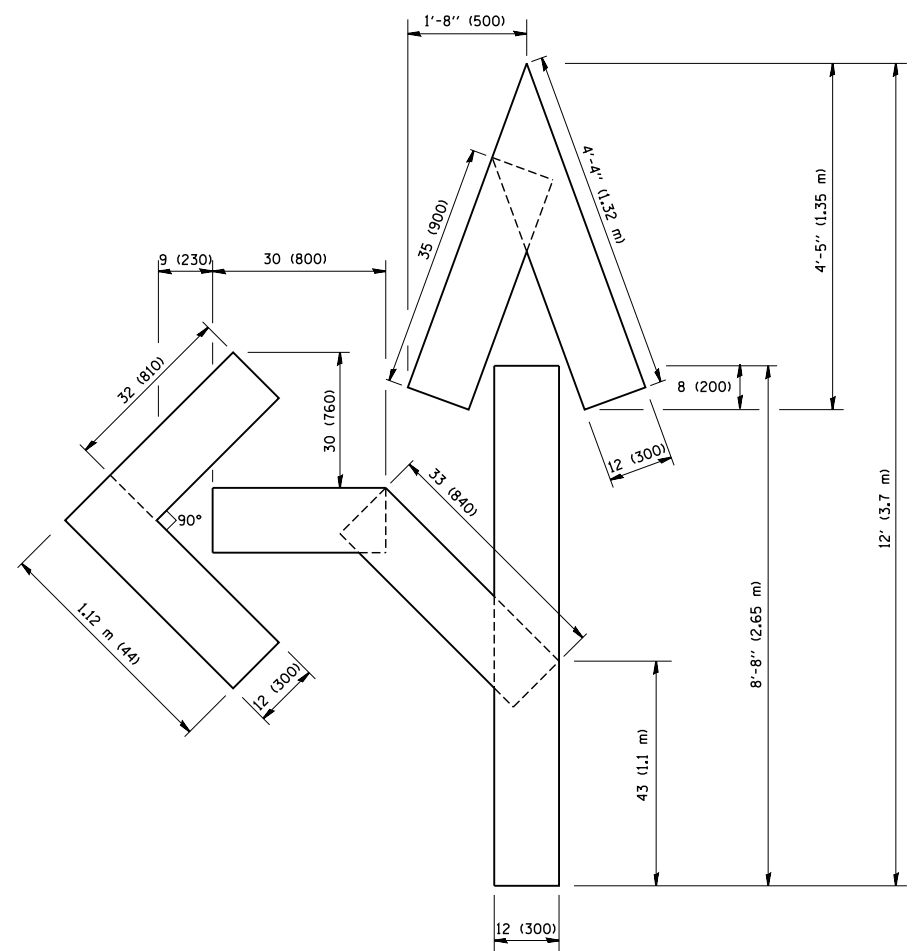
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

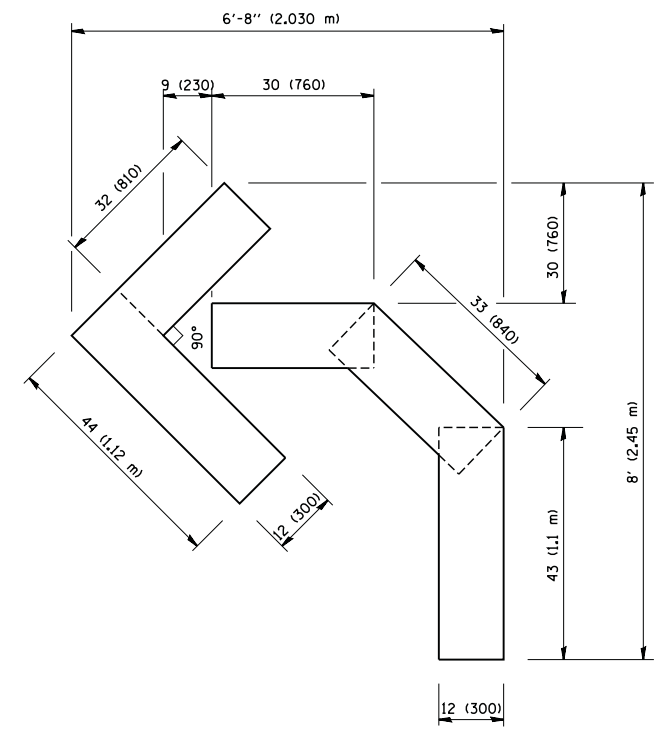
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-R5-5	LAKE	31	27
<b>TC-14</b>		CONTRACT NO. 60N58		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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)

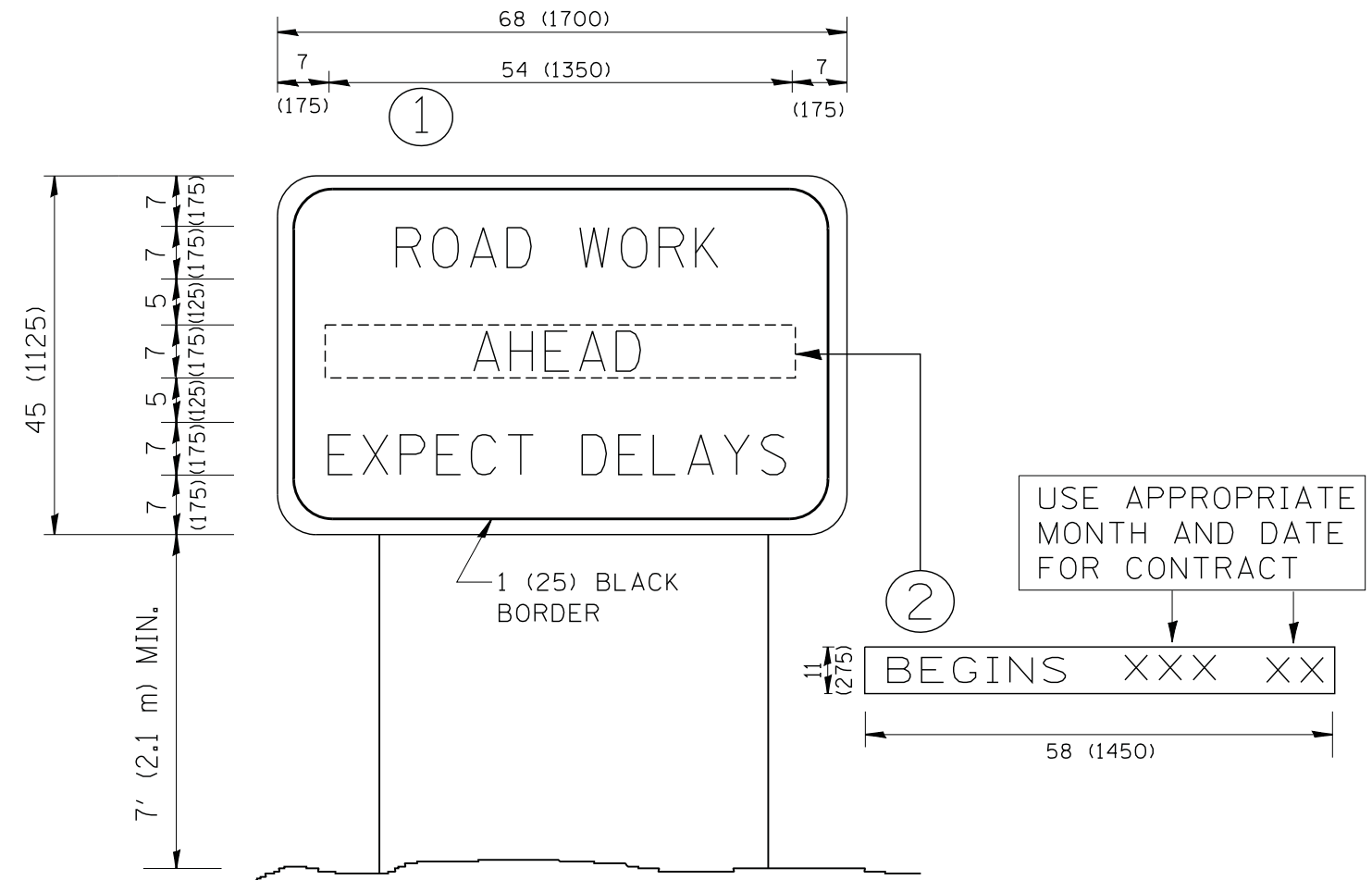
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tc16.dgn	USER NAME = gaglionobt	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**

<b>PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-R5-5	LAKE	31	28
<b>TC-16</b>		CONTRACT NO. 60N58		
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.

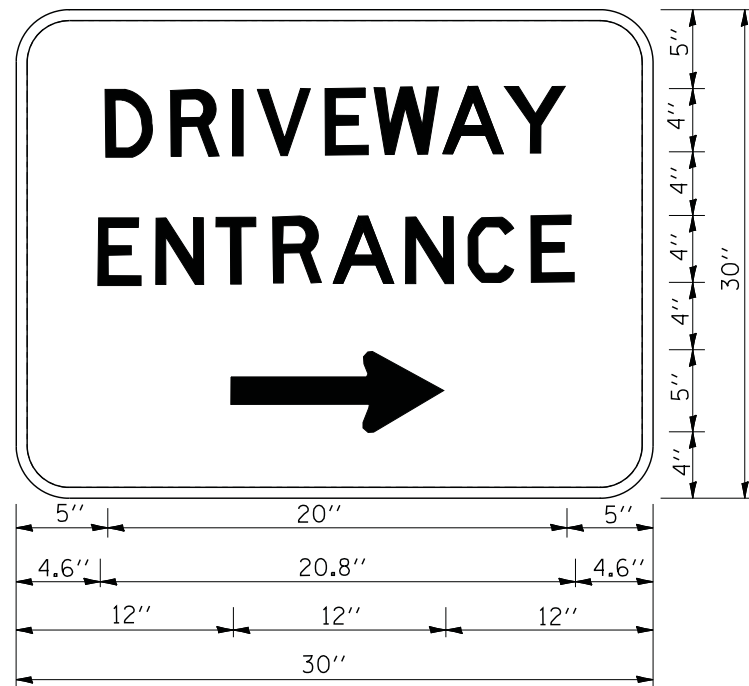
FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07
PLOT DATE = 1/4/2008	DATE -		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A. RTE. 0186	SECTION 36-R5-5	COUNTY LAKE	TOTAL SHEETS 31	SHEET NO. 29
TC-22		CONTRACT NO. 60N58		
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".

FILE NAME = W:\diststd\22x34\tc26.dgn	USER NAME = gegl@nabt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
		DRAWN -	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

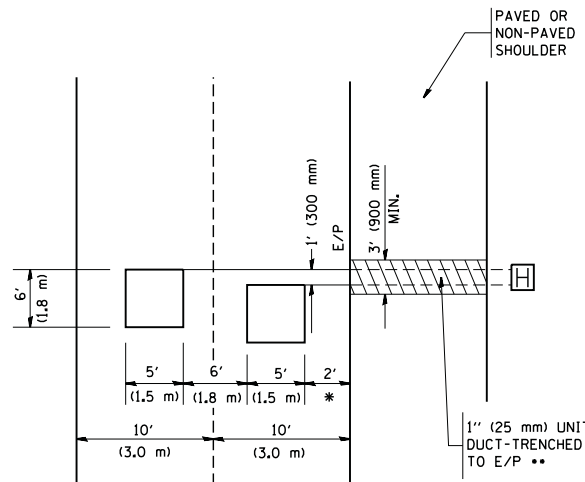
**DRIVEWAY ENTRANCE SIGNING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0186	36-R5-5	LAKE	31	30
<b>TC-26</b>			<b>CONTRACT NO. 60N58</b>	
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.

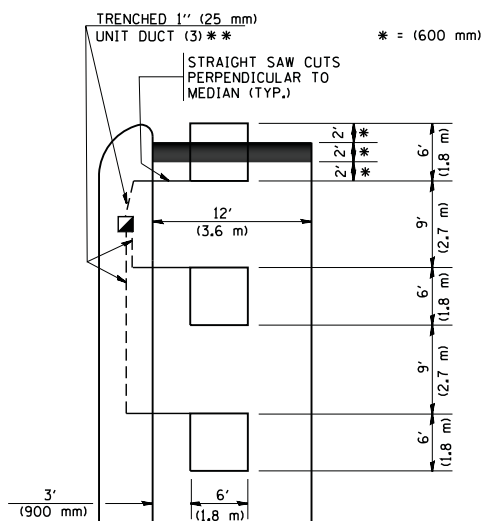


\* = (600 mm)

\*\* 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)**

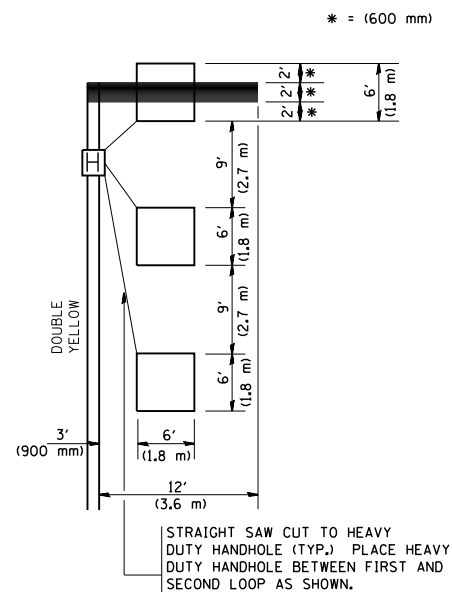
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

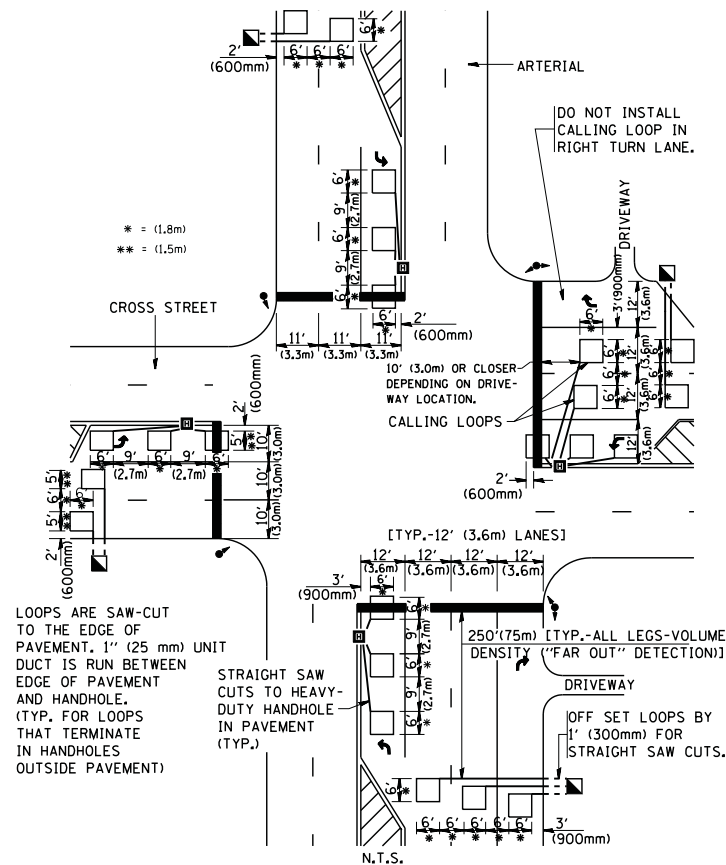
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



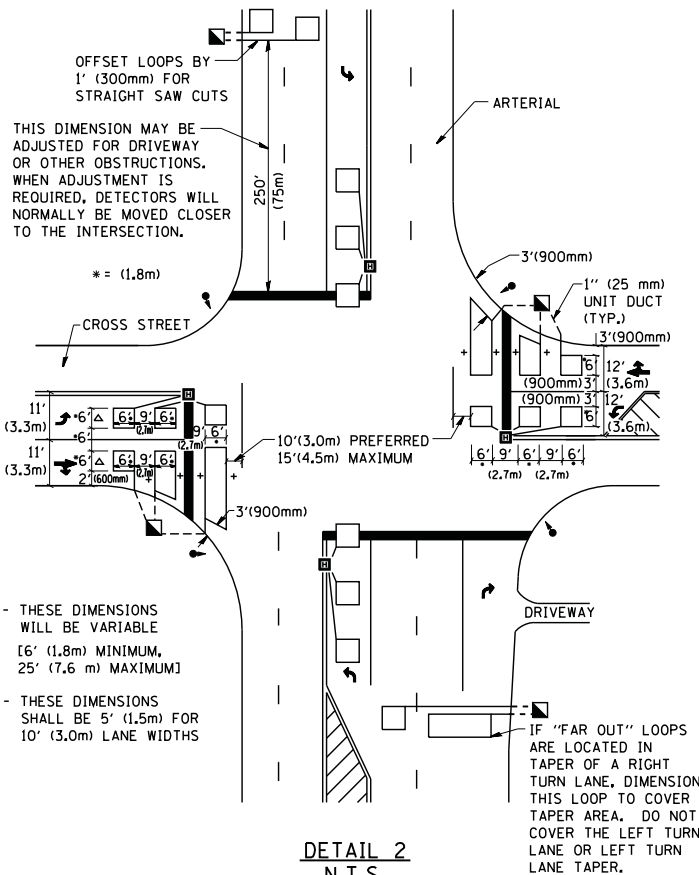
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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.**

**NOTES:**

**VEHICLES LOOP DETECTORS**

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

**PLACEMENT OF DETECTORS**

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

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

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

**NOTE:**

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

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

FILE NAME = W:\diststd\22x34\ts07.dgn

USER NAME = gaglianobt  
PLOT SCALE = 50.0000' / IN.  
PLOT DATE = 1/4/2008

DESIGNED -  
DRAWN -  
CHECKED - R.K.F.  
DATE -

REVISED -  
REVISED -  
REVISED -  
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.
0186	36-RS-5	LAKE	31	31
<b>TS-07</b>		CONTRACT NO. 60N58		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				