

01-30-15 LETTING ITEM 079

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

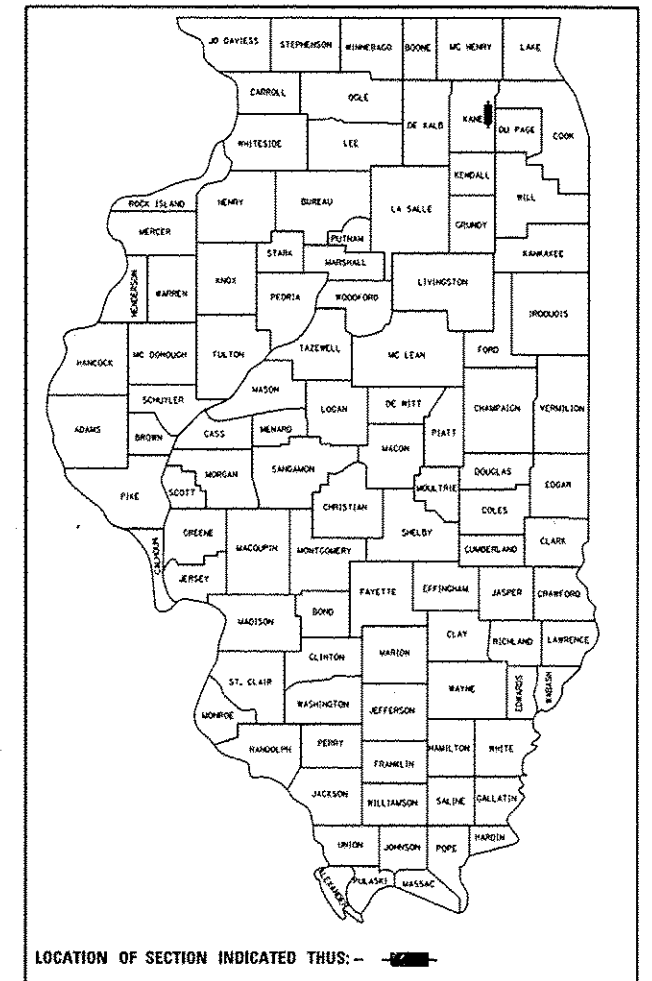
FAU 3887: IL ROUTE 31 (LA FOX STREET)
SECTION (E,P,G,H,I) RS-6
FROM 0.2 MILES SOUTH OF MIDDLE RD. TO
WILDROSE SPRINGS DR.

RESURFACING
KANE COUNTY

C-91-432-14

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
3887	(E,P,G,H,I)RS-6	KANE	36 1
CONTRACT NO. 60Y60			

D-91-432-14



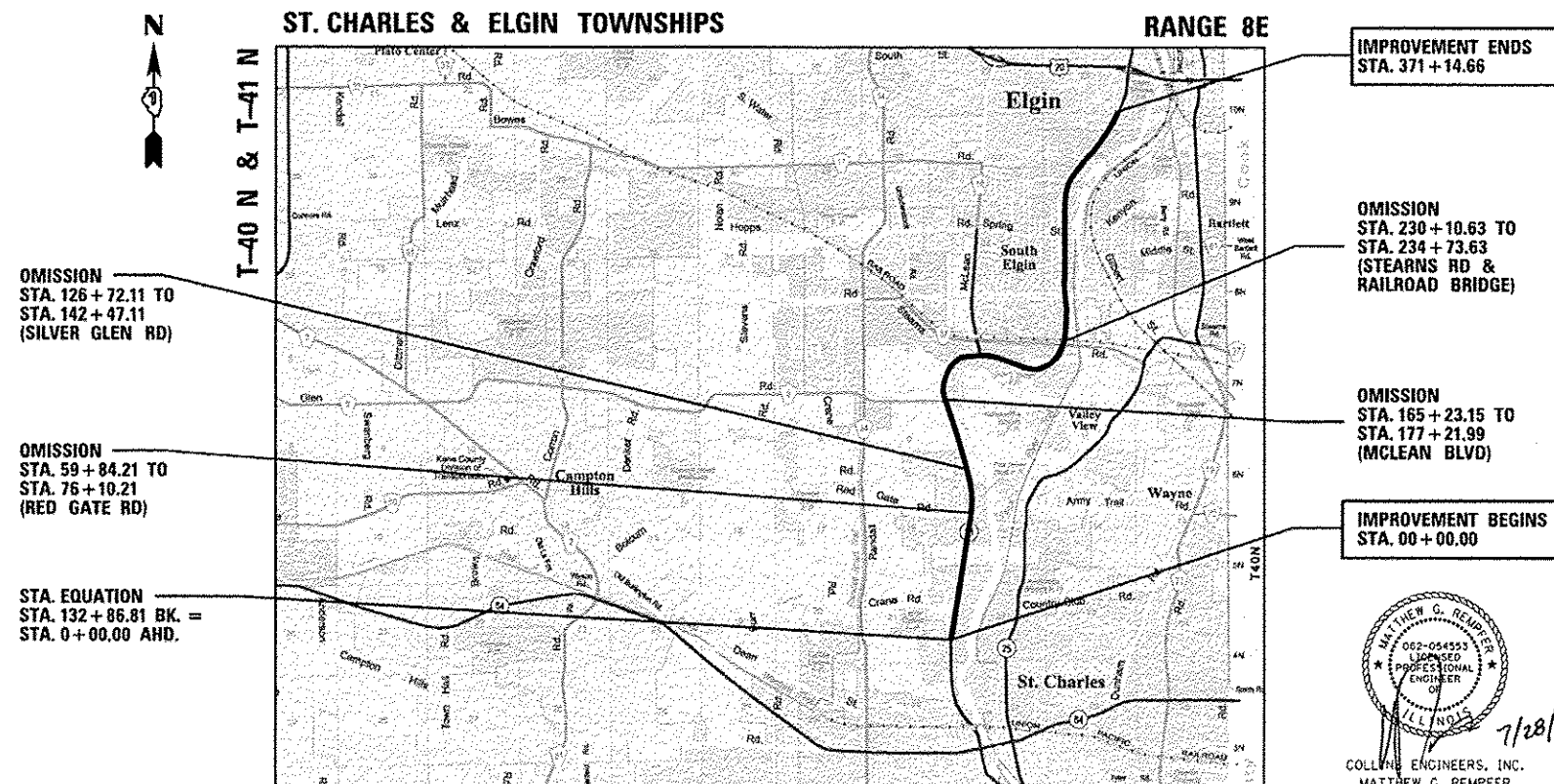
LOCATION OF SECTION INDICATED THUS: —  —

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION

ADT 16,600 (2013)
SPEED LIMIT 30 TO 45 MPH

IMPROVEMENT LOCATED IN
THE CITIES OF ST. CHARLES, ELGIN,
AND VILLAGE OF SOUTH ELGIN



OMISSION
STA. 126+72.11 TO
STA. 142+47.11
(SILVER GLEN RD)

OMISSION
STA. 59+84.21 TO
STA. 76+10.21
(RED GATE RD)

STA. EQUATION
STA. 132+86.81 BK. =
STA. 0+00.00 AHD.

IMPROVEMENT ENDS
STA. 371+14.66

OMISSION
STA. 230+10.63 TO
STA. 234+73.63
(STEARNS RD &
RAILROAD BRIDGE)

OMISSION
STA. 165+23.15 TO
STA. 177+21.99
(MCLEAN BLVD)

IMPROVEMENT BEGINS
STA. 00+00.00

7/28/14
MATTHEW G. REMPFER
062-054553
LICENSED PROFESSIONAL ENGINEER
OF ILLINOIS
COLLINS ENGINEERS, INC.
MATTHEW G. REMPFER
NO. 062-054553
EXPIRES 11-30-2015

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. 60Y60

GROSS LENGTH = 37,114.66 FT. = 7.03 MILE
NET LENGTH = 32,251.82 FT. = 6.11 MILE

COLLINS
ENGINEERS, INC.
123 N. WACKER DR., SUITE 900
CHICAGO, IL 60606
(312) 704-9300
ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-000993

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED July 31, 2014
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Nov 14, 2014
Matthew G. Rempfert, P.E.
Nov 14, 2014
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

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STANDARDS

424001 - 08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006 - 02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011 - 02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442201 - 03	CLASS C AND D PATCHES
482011 - 03	HMA SHLD. STRIPS/SHLOS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001 - 04	FRAME AND LIDS TYPE I
604051 - 04	FRAME AND GRATE TYPE II
604056 - 04	FRAME AND GRATE TYPE IIV
606001 - 06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006 - 05	OFF-RO 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
701306 - 03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS >= 45 MPH
701311 - 03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701336 - 06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS >= 45 MPH
701501 - 06	URBAN, LANE CLOSURE, 2L, 2W, UNDIVIDED
701502 - 06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701 - 09	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801 - 05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901 - 04	TRAFFIC CONTROL DEVICES
780001 - 05	TYPICAL PAVEMENT MARKINGS

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 ST. CHARLES, SOUTH ELGIN, AND ELGIN.

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.

~~CLASS PP-1 CONCRETE SHALL BE USED FOR ALL CLASS C PATCHES~~

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, DON CHIARUGI AT (847) 741-9857 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.

FILE NAME : I:\6611\5611.35 - 3P Resurfacing IL31 Mid	USER NAME : mramfor	DESIGNED : -	REVISED : -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES	SCALE: SHEET OF SHEETS STA. TO STA.	P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Close to Middle CAOD Sheets\DIS0168-ahf-genn	BY:W	REVISED : -				3887	(E.P.C.H.) RS-6	KANE	36	2
	PLOT SCALE = 100.0000' / 1"	CHECKED : -	REVISED : -				CONTRACT NO. 60Y60				
Default	PLOT DATE = 8/15/2014	DATE : -	REVISED : -				ILLINOIS FED. AID PROJECT				

Rev.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN CONSTR. CODE
				100% STATE
				ROADWAY 0005
20200100	EARTH EXCAVATION	CU YD	75	75
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	264	264
25200110	SODDING, SALT TOLERANT	SQ YD	264	264
25200200	SUPPLEMENTAL WATERING	UNIT	14	14
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	300	300
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	86541	86541
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	13	13
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	5304	5304
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	903	903
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	50	50
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	10800	10800
42001300	PROTECTIVE COAT	SQ YD	574	574
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2696	2696

FILE NAME : J:\6611\6611.35 - 3P Resurfacing IL31 Mid	USER NAME : mramper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) SUMMARY OF QUANTITIES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Loss to Middle CAD Sheets\DISBYB8-shr-500.dgn	DRAWN -	REVISED -			3887	(E,P,C,H,D) RS-6	KANE	36	3
	PLOT SCALE : 100 ft / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y60				
Default	PLOT DATE : 8/15/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

Rev.

* - SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN CONSTR. CODE
				100% STATE
				ROADWAY 0005
42400800	DETECTABLE WARNINGS	SQ FT	359	359
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	128570	128570
44000600	SIDEWALK REMOVAL	SQ FT	2696	2696
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	219	219
44201341	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	23	23
44201345	CLASS C PATCHES, TYPE III, 8 INCH	SQ YD	36	36
44201347	CLASS C PATCHES, TYPE IV, 8 INCH	SQ YD	160	160
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	52	52
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	113	113
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	162	162
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	964	964
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	30	30
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	74	74
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	53	53

FILE NAME : I:\6811\6811.05 - 3P Resurfacing IL31 Mid

USER NAME : nrmplfr

DESIGNED -

REVISED -

Drawn to Middle CAD Sheets\0168180-4ht-500.dwg

ORAWN -

REVISD -

REVISD -

PLOT SCALE = 100 ft / in.

CHECKED -

REVISD -

REVISD -

PLOT DATE = 8/15/2014

DATE -

REVISD -

REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 31 (LA FOX STREET)
SUMMARY OF QUANTITIES

SCALE:

SHEET

OF

SHEETS

STA.

TO STA.

F.A.U
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

3887

(E.P.C.H.D) RS-6

KANE

36

4

CONTRACT NO. 60Y60

ILLINOIS FED. AID PROJECT

* - SPECIALTY ITEM *Rev.*

				URBAN CONSTR. CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	80	80
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	420	420
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	5	5
60404800	FRAMES AND GRATES, TYPE 11	EACH	7	7
60404805	FRAMES AND GRATES, TYPE 11V	EACH	3	3
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	3	3
60600605	CONCRETE CURB, TYPE B	FOOT	703	703
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	41	41
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1

* - SPECIALTY ITEM

FILE NAME : J:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle CADD Sheets\DISBY60-ent-500.dwg	USER NAME : mramfar	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) SUMMARY OF QUANTITIES		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100 ft / in.	CHECKED -	REVISED -				3887	(E,P,C,H,I) RS-6	KANE	36	5
	PLOT DATE = 8/15/2014	DATE -	REVISED -				CONTRACT NO. 60Y60				
							ILLINOIS FED. AID PROJECT				
SCALE:		SHEET OF SHEETS		STA.		TO STA.					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN CONSTR. CODE
				100% STATE
				ROADWAY 0005
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	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	20,782	20,782
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1675	1675
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	124102	124102
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5725	5725
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	123	123
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1598	1598
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	780	780
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1675	1675
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	124102	124102

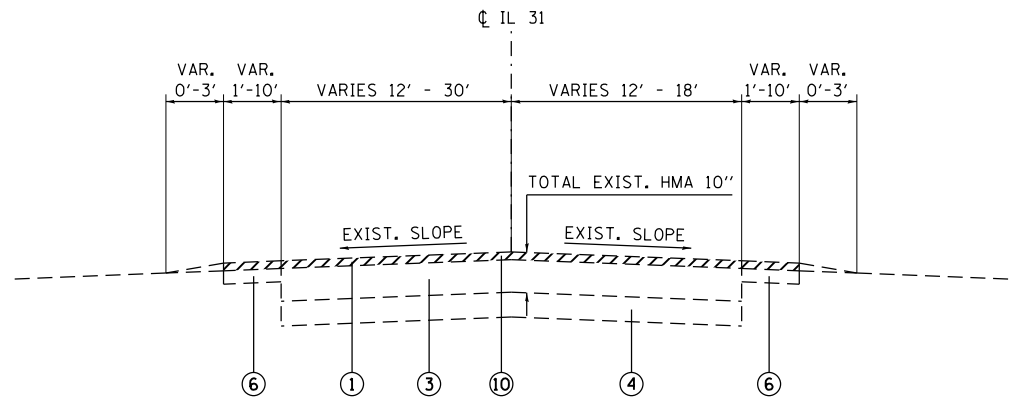
* - SPECIALTY ITEM *Rev.*

FILE NAME : 11661116411.35 - 2P Resurfacing IL31 Mid	USER NAME : nramper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) SUMMARY OF QUANTITIES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
loss to Middle CAD Sheets\0160168-4ht-500.dgn	DRAWN -	REVISED -	REVISED -			3887	(E,P,C,H,I) RS-6	KANE	36	6
PLOT SCALE = 100 ft / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 60Y60				
PLOT DATE = 8/15/2014	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				
Default					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

				URBAN CONSTR. CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5725	5725
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	123	123
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1598	1598
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	780	780
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1420	1420
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1420	1420
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1072	1072
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	100	100
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2150	2150
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	106	106
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	43	43
Z0024478	FLEXIBLE DELINEATORS	EACH	5	5
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1280	1280
Z0004562	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	997	997

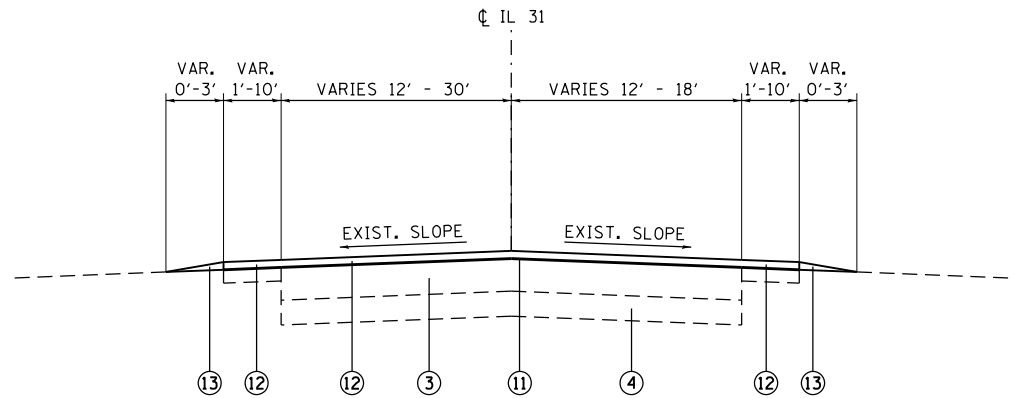
* - SPECIALTY ITEM

FILE NAME : I:\6611\6611.05 - 3P Resurfacing IL01 Wild...	USER NAME : nremper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Drawn to Middle CAD Standards	DRAWN -	REVISED -				3887	(E,P,G,H,D) RS-6	KANE	36	7
	PLOT SCALE : 100 ft / in.	CHECKED -	REVISED -				CONTRACT NO. 60Y60				
Default	PLOT DATE : 8/15/2014	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		



EXISTING TYPICAL SECTION

STA. 00+00 TO 59+92
STA. 75+87 TO 135+40
STA. 136+38 TO 165+49
STA. 177+40 TO 231+52
STA. 245+88 TO 258+23
STA. 270+79 TO 272+38

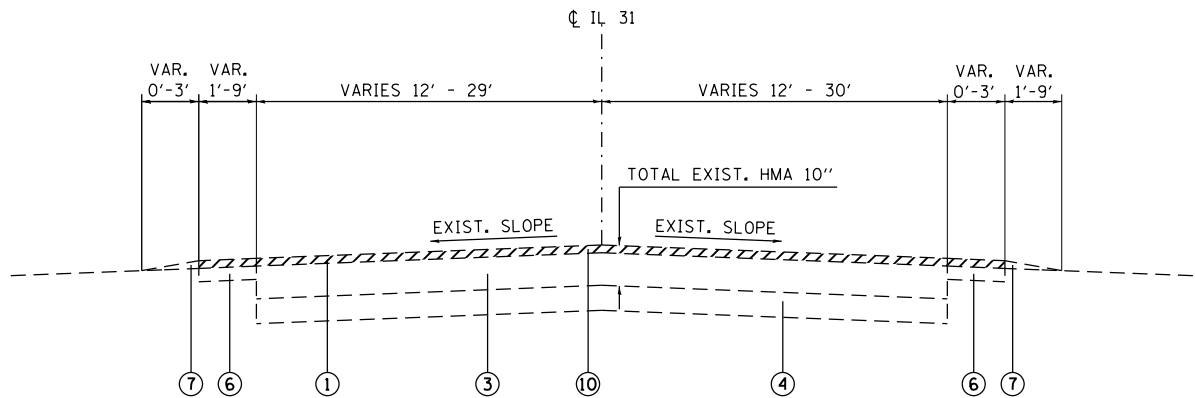


PROPOSED TYPICAL SECTION

STA. 00+00 TO 59+92
STA. 75+87 TO 135+40
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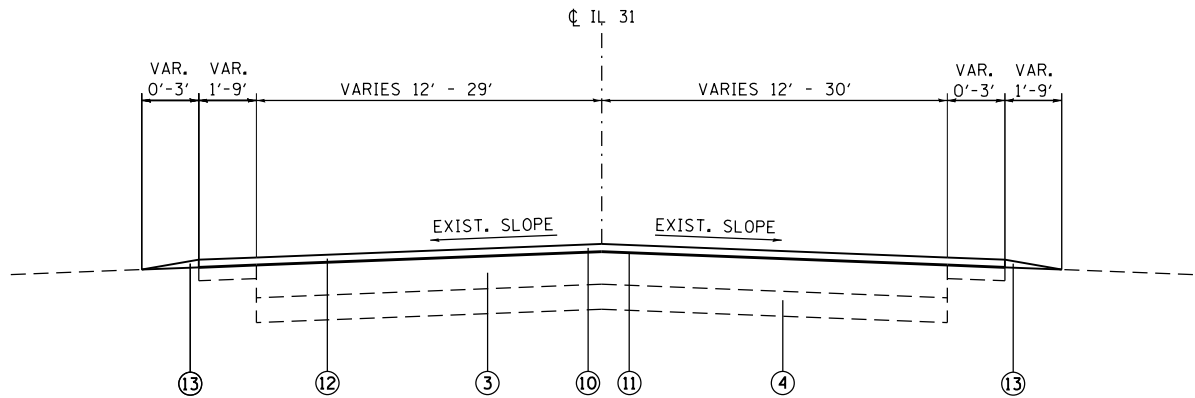
TO BE REMOVED

THE CONTRACTOR SHALL
MILL FIRST BEFORE PATCHING



EXISTING TYPICAL SECTION

STA. 234+28 TO 245+88
STA. 253+23 TO 270+79



PROPOSED TYPICAL SECTION

STA. 234+28 TO 245+88
STA. 253+23 TO 270+79

HOT-MIX ASPHALT MIXTURE REQUIREMENTS MIXTURE TYPE	AIR VOIDS @ Ndes	OMP
RESURFACING		
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
PATCHING		
CLASS D PATCHES, (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	QC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/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.

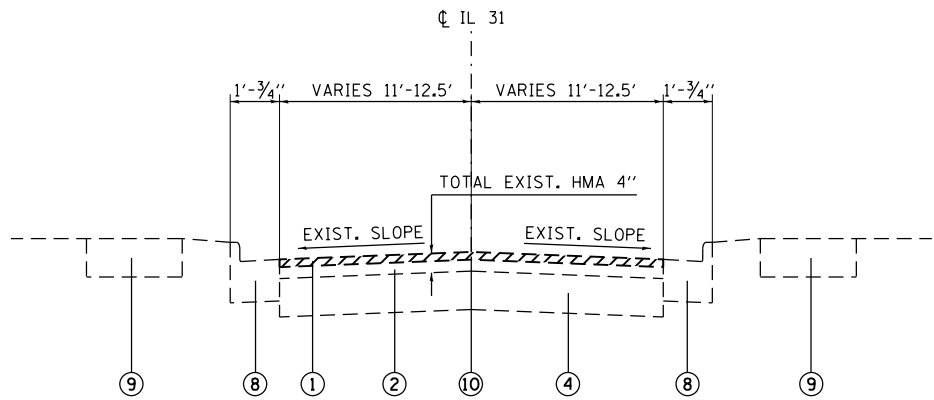
FOR USE OF RECYCLED MATERIAL, SEE SPECIAL PROVISIONS.

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

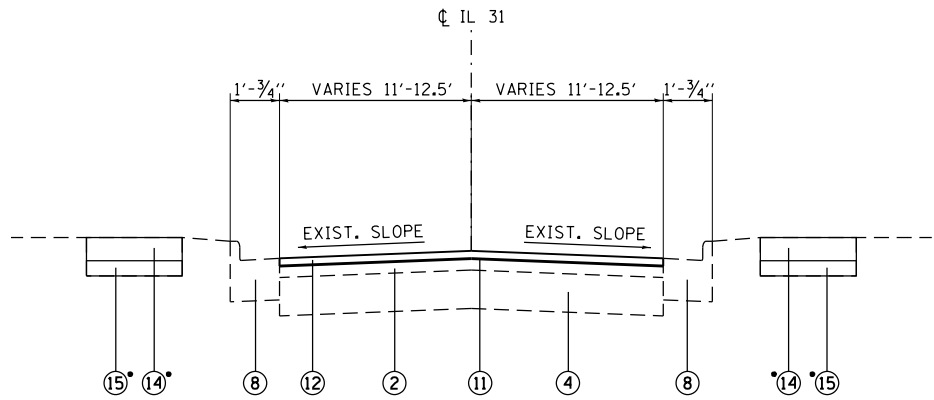
LEGEND

- ① EXISTING HMA SURFACE COURSE, 1-1/2"
- ② EXISTING HMA PAVEMENT, 2-1/2"
- ③ EXISTING HMA PAVEMENT, 8-1/2"
- ④ EXISTING CONCRETE PAVEMENT, ±9"
- ⑤ EXISTING HMA BASE COURSE, 10-1/2"
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING COMBINATION CONC. CURB & GUTTER
- ⑨ EXISTING PCC SIDEWALK, 5"
- ⑩ PROPOSED HMA SURFACE REMOVAL, 2-1/4"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑮ SUBBASE GRANULAR MATERIAL, TYPE B 4"

FILE NAME :	USER NAME = mremper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) TYPICAL SECTIONS				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-sh-t-typical.dgn		DRAWN -	REVISED -						3887	(E,P,G,H,I) RS-6	KANE	36	8
Default	PLOT SCALE = 100 ft / in.	CHECKED -	REVISED -						CONTRACT NO. 60Y60				
	PLOT DATE = 8/15/2014	DATE -	REVISED -						SCALE:	SHEET	OF	SHEETS	STA.



EXISTING TYPICAL SECTION
STA. 272+38 TO 284+37

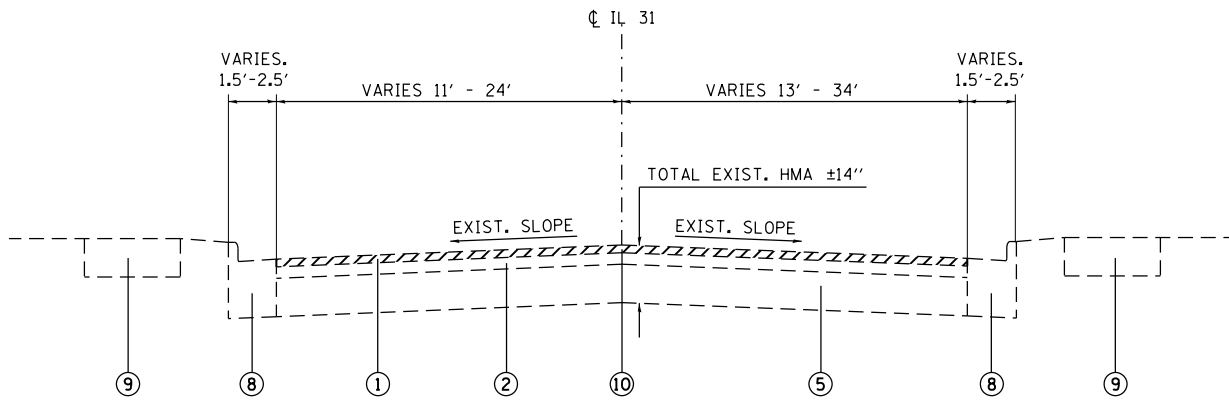


PROPOSED TYPICAL SECTION
STA. 272+38 TO 284+37

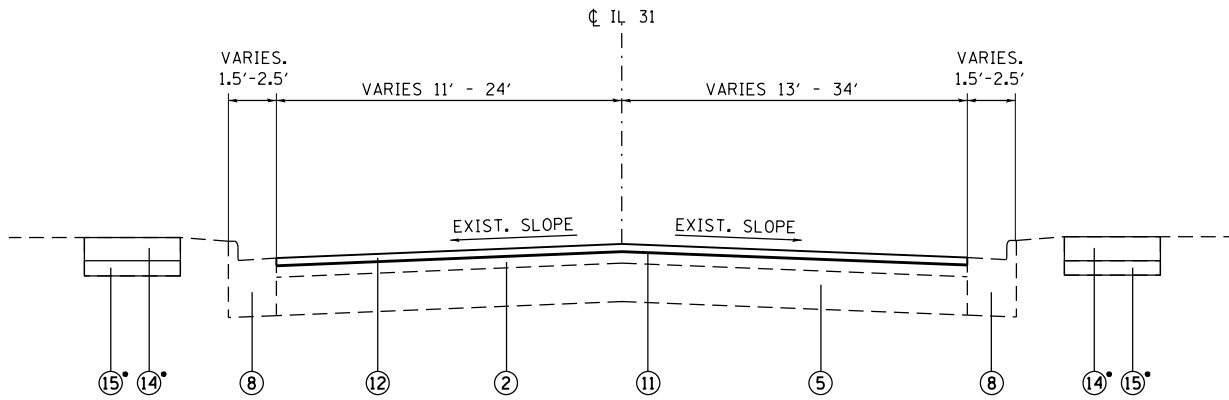
THE CONTRACTOR SHALL
PATCH FIRST BEFORE MILLING



TO BE REMOVED



EXISTING TYPICAL SECTION
STA. 284+37 TO 371+19



PROPOSED TYPICAL SECTION
STA. 284+37 TO 371+19

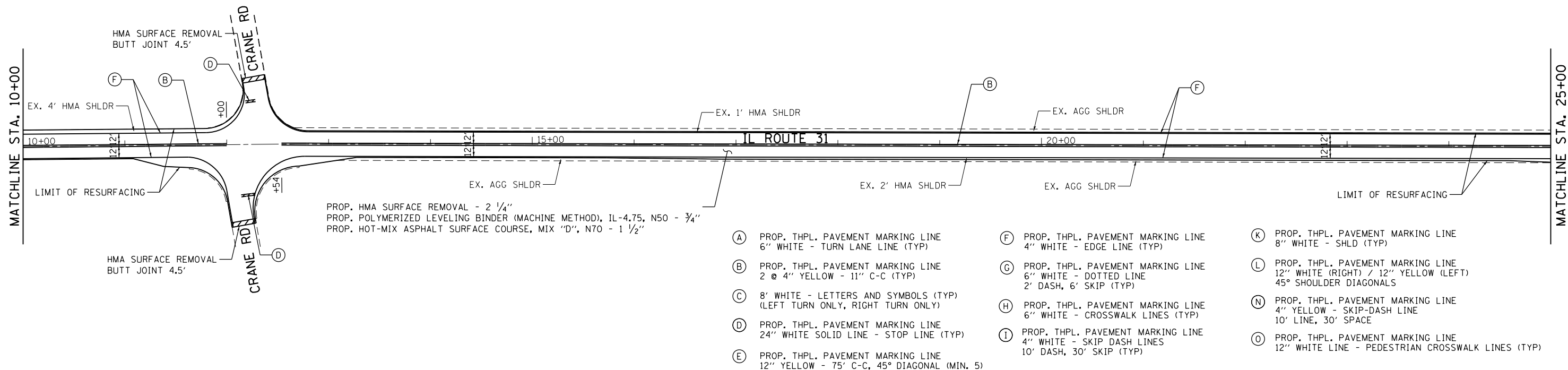
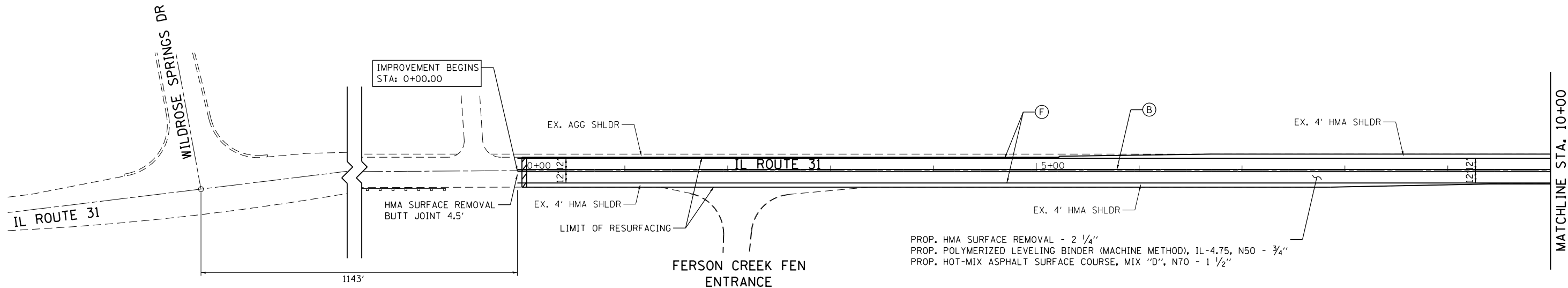
THE CONTRACTOR SHALL
MILL FIRST BEFORE PATCHING

*SEE ROADWAY PLANS FOR LOCATIONS OF PROPOSED SIDEWALK

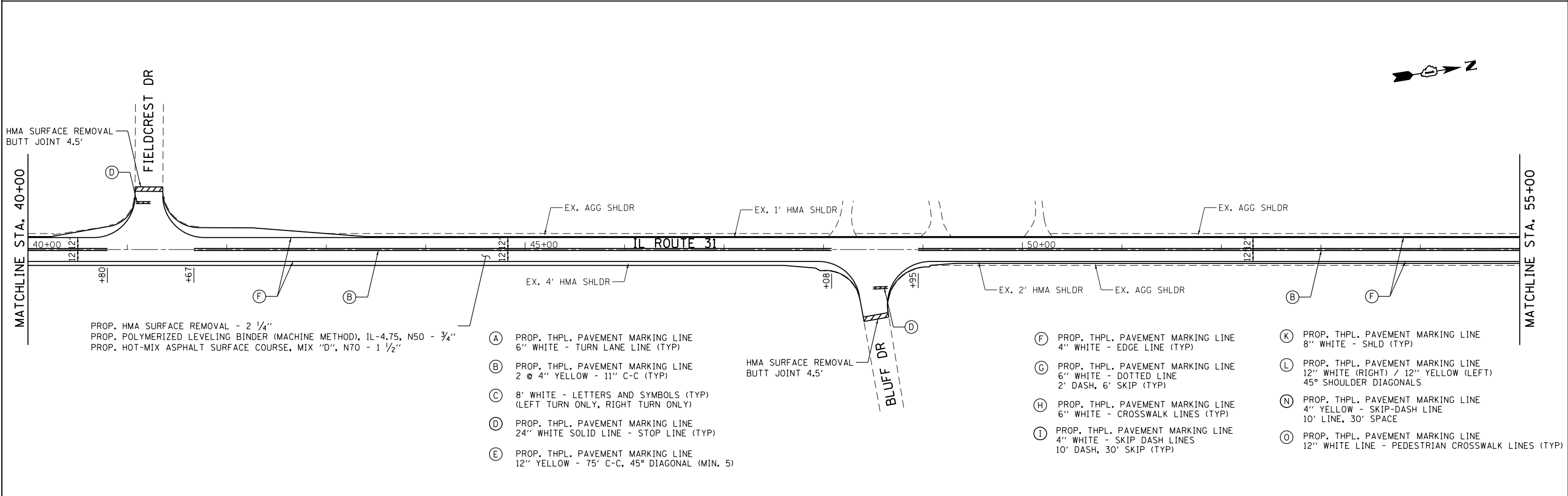
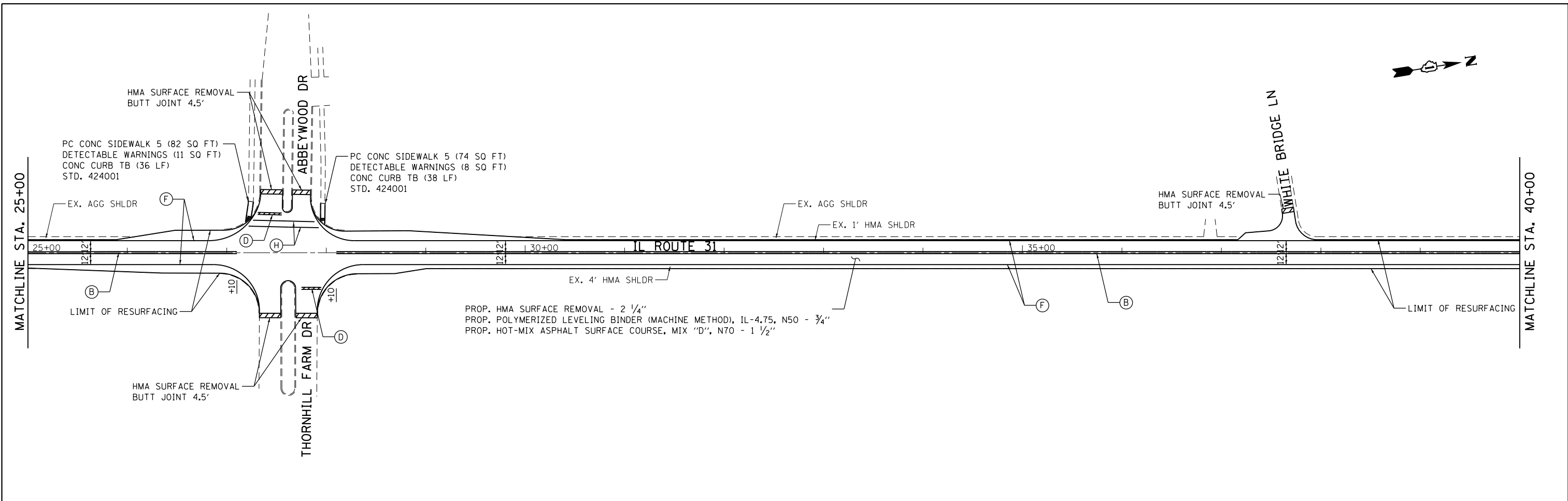
LEGEND

- ① EXISTING HMA SURFACE COURSE, 1-1/2"
- ② EXISTING HMA PAVEMENT, 2-1/2"
- ③ EXISTING HMA PAVEMENT, 8-1/2"
- ④ EXISTING CONCRETE PAVEMENT, ±9"
- ⑤ EXISTING HMA BASE COURSE, 10-1/2"
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING COMBINATION CONC. CURB & GUTTER
- ⑨ EXISTING PCC SIDEWALK, 5"
- ⑩ PROPOSED HMA SURFACE REMOVAL, 2-1/4"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑮ SUBBASE GRANULAR MATERIAL, TYPE B 4"

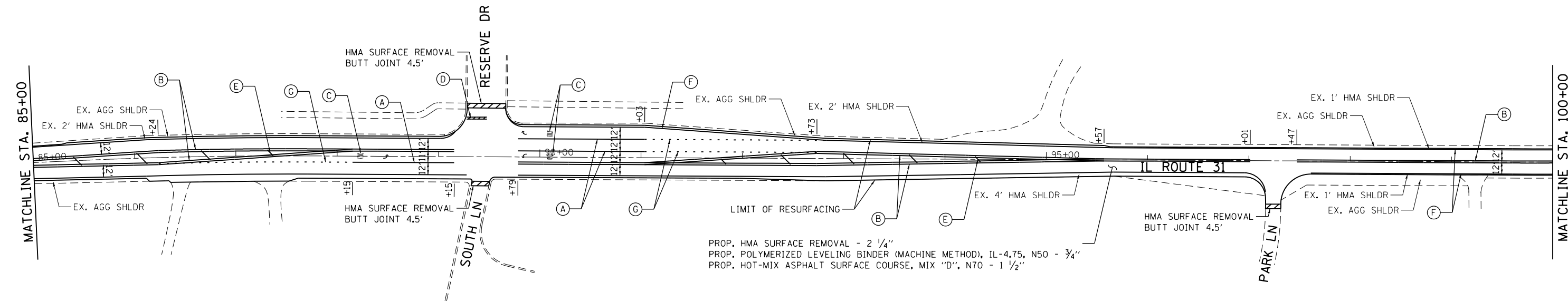
FILE NAME =	USER NAME = mremper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) TYPICAL SECTIONS			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shft-typical.dgn	DRAWN -	REVISED -	3887					(E,P,G,H,I) RS-6	KANE	36	9	
	PLOT SCALE = 100 ft / in.	CHECKED -	CONTRACT NO. 60Y60									
Default	PLOT DATE = 8/15/2014	DATE -						REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT	



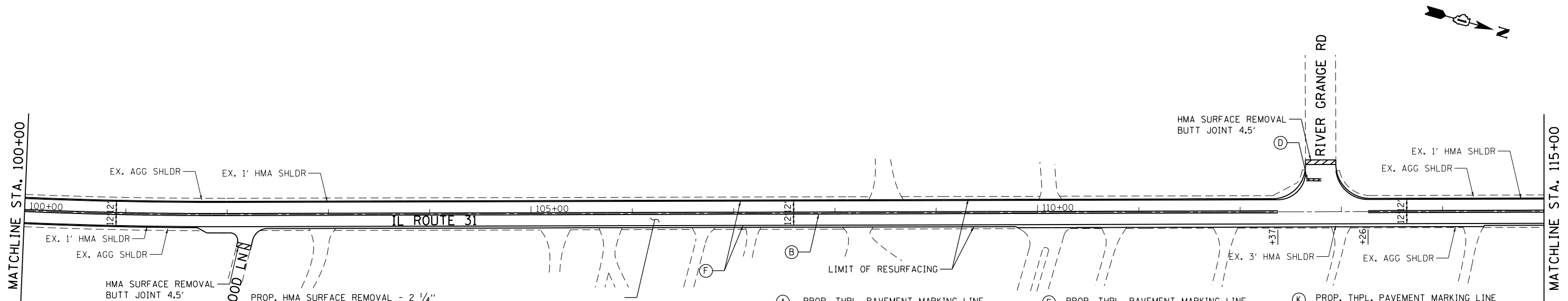
FILE NAME =	USER NAME = mremper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) PROPOSED ROADWAY PLAN				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shft-plan.dwg	DRAWN -	REVISED -	3887						(E,P,G,H,I) RS-6	KANE	36	10	
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Default	PLOT DATE = 8/15/2014	DATE -	REVISED -							SCALE: SHEET OF SHEETS STA. TO STA.			



FILE NAME = I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shft-plan.dwg Default	USER NAME = mremper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) PROPOSED ROADWAY PLAN				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	CONTRACT NO. 60Y60	ILLINOIS FED. AID PROJECT
	Drawn to Middle\CADD Sheets\DI60Y60-shft-plan.dwg	DRAWN -	REVISED -						3887	(E,P,G,H,I) RS-6	KANE	36	11		
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	PLOT DATE = 8/15/2014	DATE -	REVISED -												
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.				



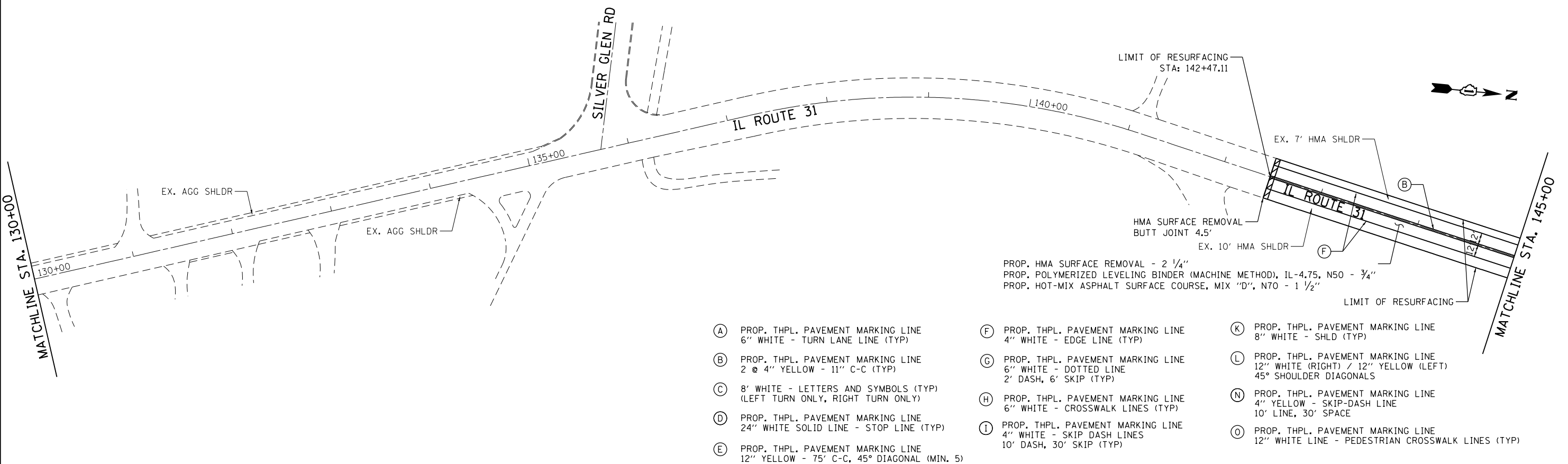
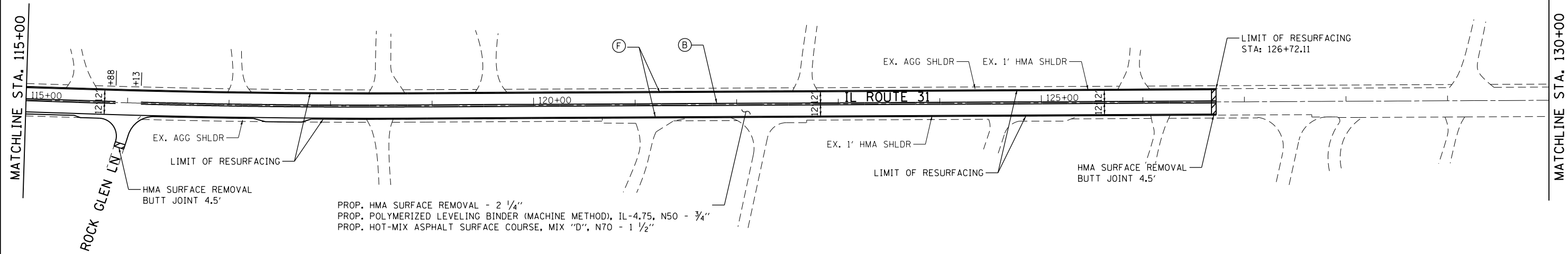
PROP. HMA SURFACE REMOVAL - 2 1/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"



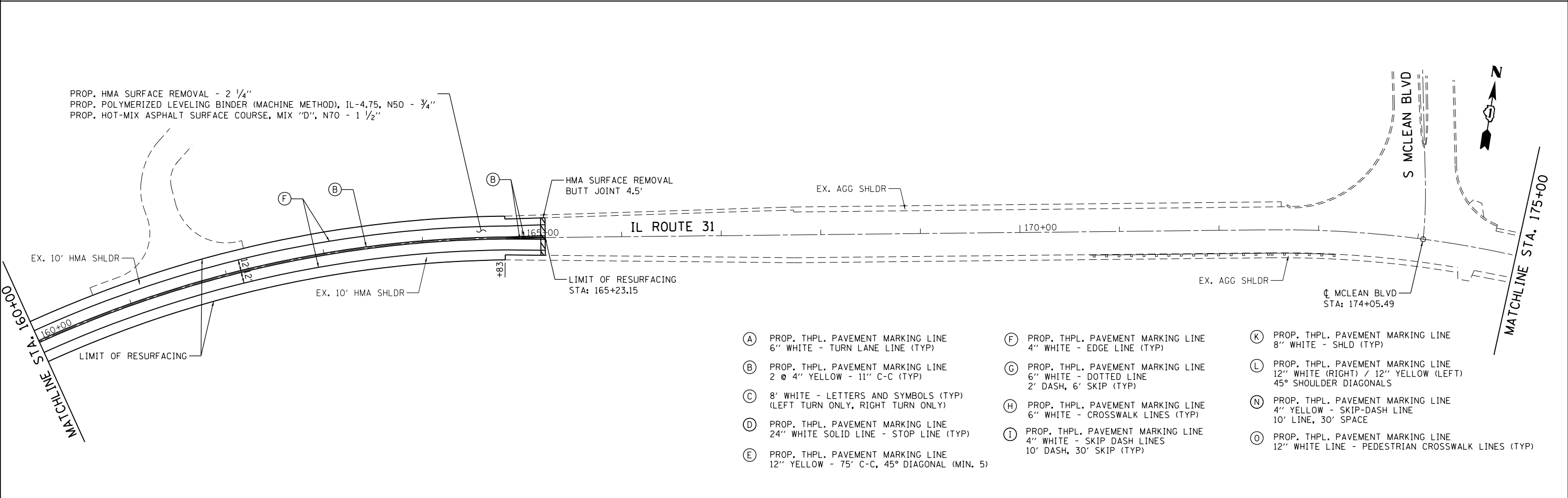
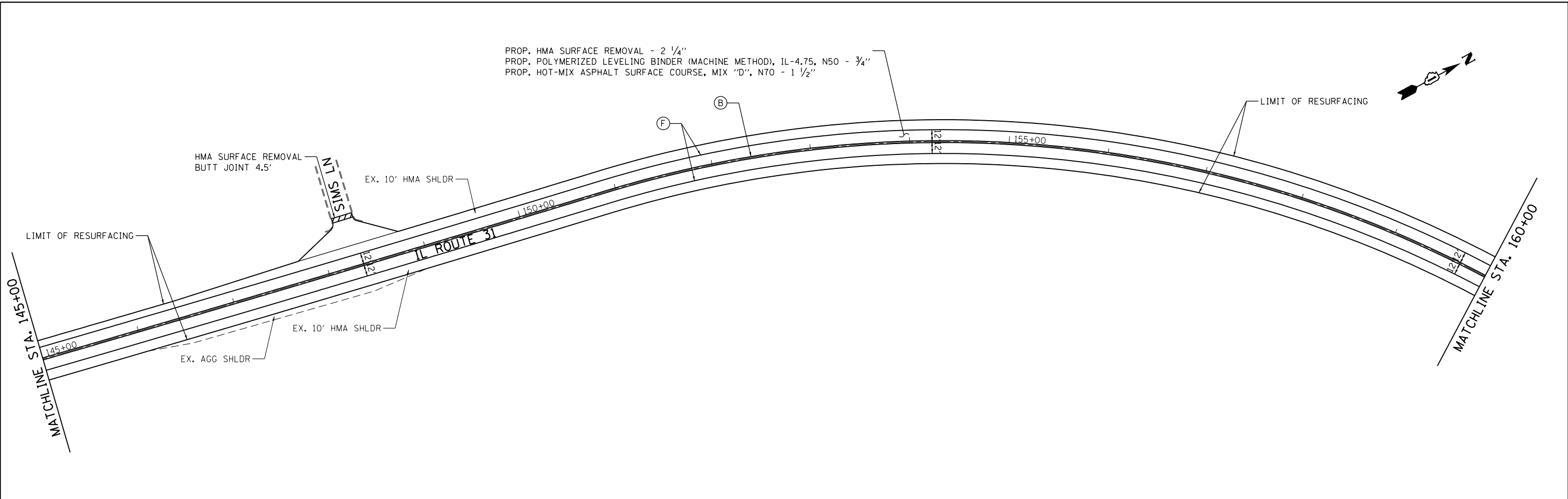
PROP. HMA SURFACE REMOVAL - 2 1/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"

- (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)
- (K) PROP. THPL. PAVEMENT MARKING LINE 8" WHITE - SHLD (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE 12" WHITE (RIGHT) / 12" YELLOW (LEFT) 45° SHOULDER DIAGONALS
- (N) PROP. THPL. PAVEMENT MARKING LINE 4" YELLOW - SKIP-DASH LINE 10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE 12" WHITE LINE - PEDESTRIAN CROSSWALK LINES (TYP)

FILE NAME = I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shr-plan.dwg Default	USER NAME = mremper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) PROPOSED ROADWAY PLAN	F.A.U. RTE.				SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			3887	(E,P,G,H,I) RS-6	KANE	36	13			
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y60							
	PLOT DATE = 8/15/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT							
						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	



FILE NAME = I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shft-plan.dwg Default	USER NAME = mremper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) PROPOSED ROADWAY PLAN				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	3887						(E,P,G,H,I) RS-6	KANE	36	14	
	PLOT SCALE = 100.0000' / in.	CHECKED -	CONTRACT NO. 60Y60										
	PLOT DATE = 8/15/2014	DATE -	SCALE:						SHEET	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)

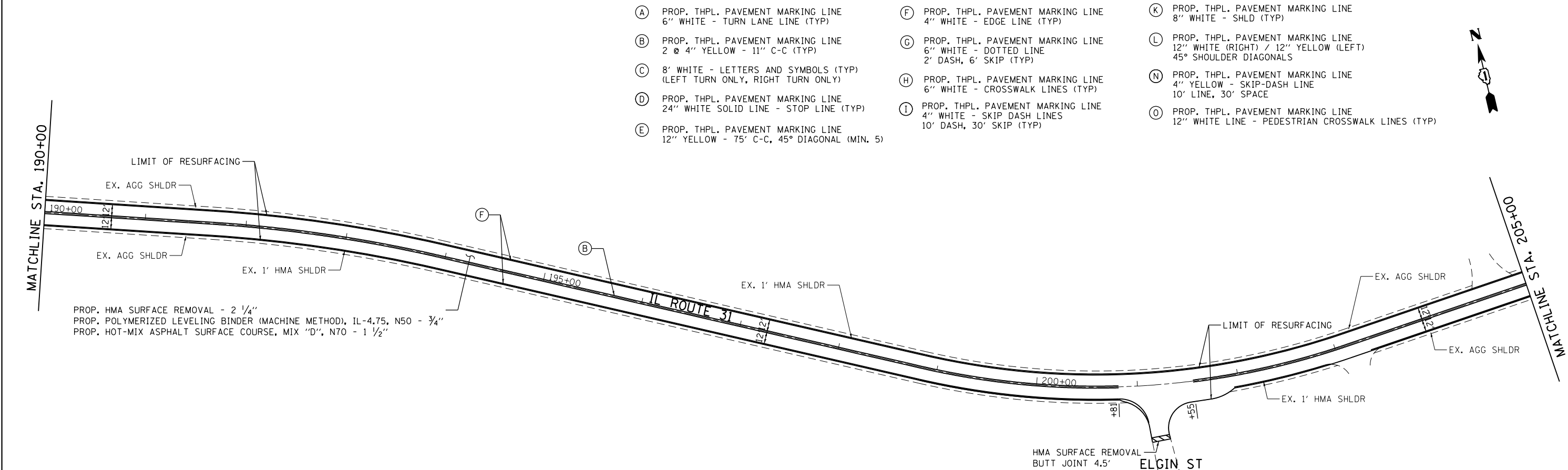
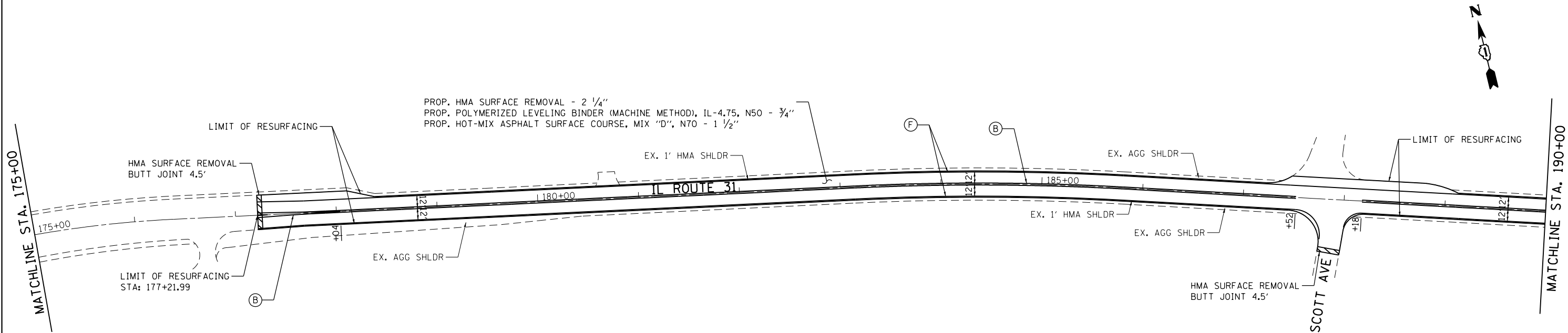
(I) PROP. THPL. PAVEMENT MARKING LINE
4" WHITE - SKIP DASH LINES
10' DASH, 30' SKIP (TYP)
- (K) PROP. THPL. PAVEMENT MARKING LINE
8" WHITE - SHLD (TYP)

(L) PROP. THPL. PAVEMENT MARKING LINE
12" WHITE (RIGHT) / 12" YELLOW (LEFT)
45° SHOULDER DIAGONALS

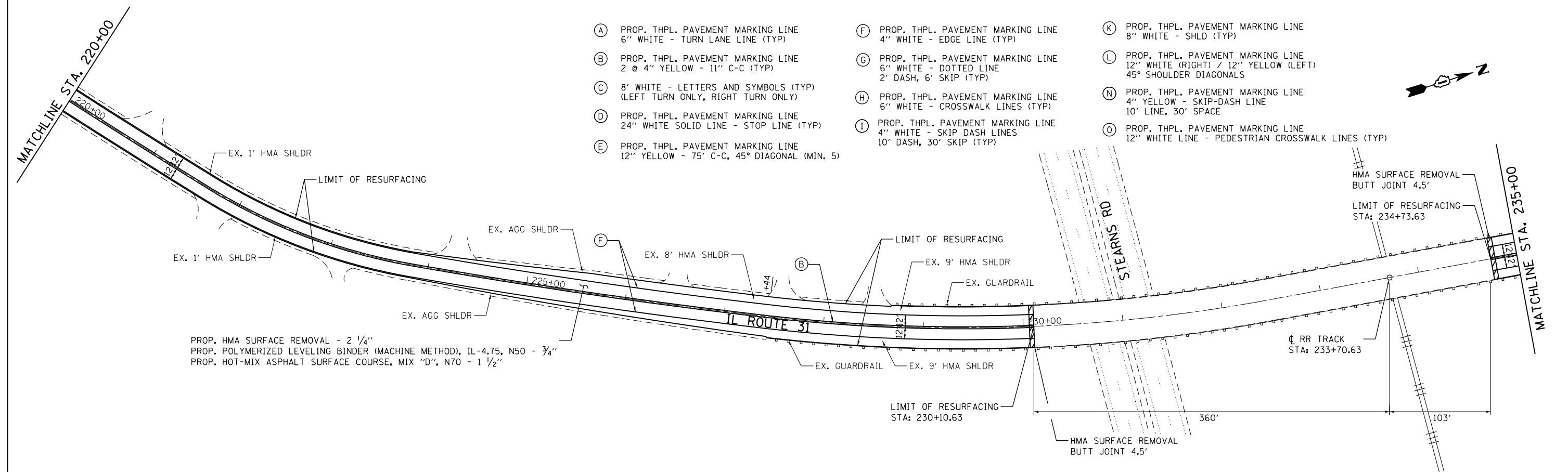
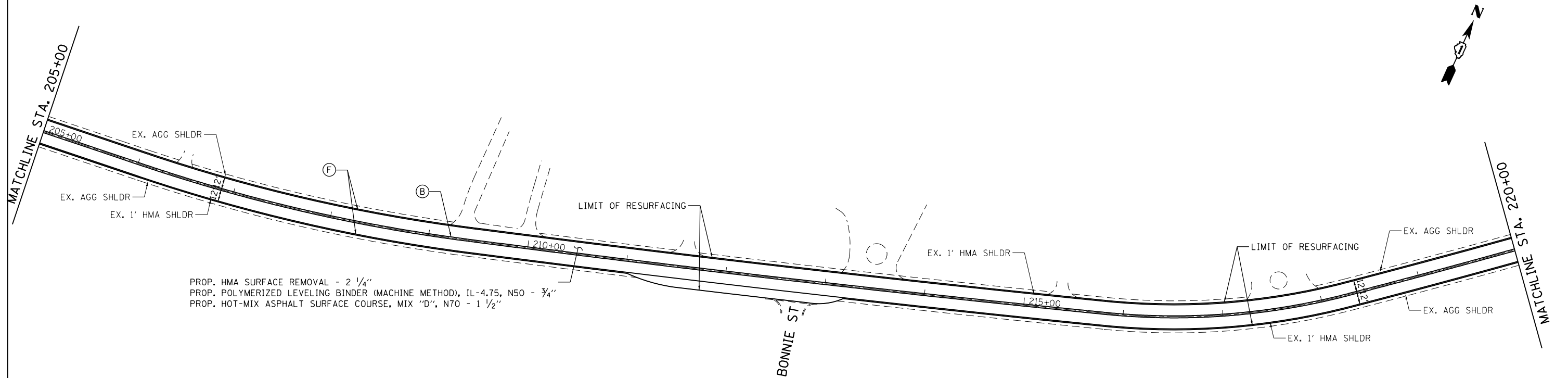
(N) PROP. THPL. PAVEMENT MARKING LINE
4" YELLOW - SKIP-DASH LINE
10' LINE, 30' SPACE

(O) PROP. THPL. PAVEMENT MARKING LINE
12" WHITE LINE - PEDESTRIAN CROSSWALK LINES (TYP)

FILE NAME :	USER NAME = mremper	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) PROPOSED ROADWAY PLAN	F.A.U. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shr-plan.dwg		DRAWN -	REVISED -			3887	(E,P,G,H,I) RS-6	KANE	36	15	
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 60Y60					
Default	PLOT DATE = 8/15/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
SCALE:		SHEET		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)
- (K) PROP. THPL. PAVEMENT MARKING LINE 8" WHITE - SHLD (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE 12" WHITE (RIGHT) / 12" YELLOW (LEFT) 45° SHOULDER DIAGONALS
- (N) PROP. THPL. PAVEMENT MARKING LINE 4" YELLOW - SKIP-DASH LINE 10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE 12" WHITE LINE - PEDESTRIAN CROSSWALK LINES (TYP)

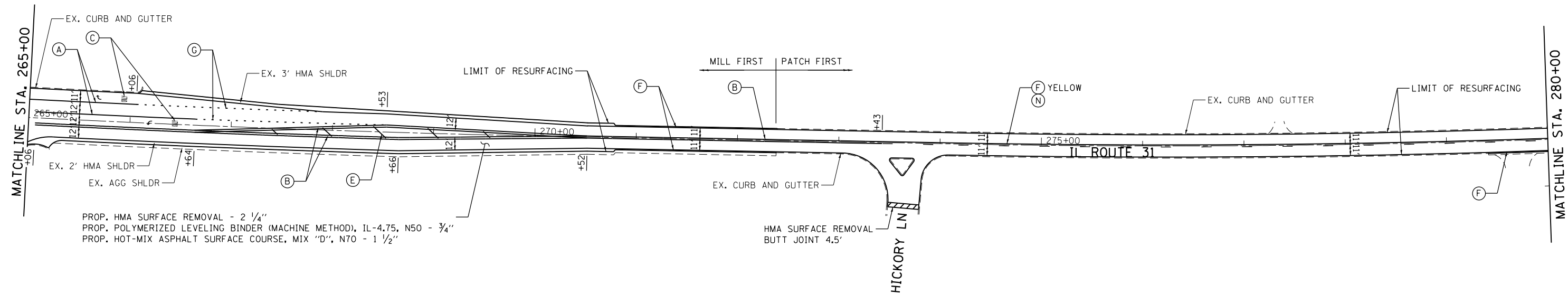


- (A) PROP. THPL. PAVEMENT MARKING LINE
6" WHITE - TURN LANE LINE (TYP)
- (B) PROP. THPL. PAVEMENT MARKING LINE
2 @ 4" YELLOW - 11" C-C (TYP)
- (C) 8' WHITE - LETTERS AND SYMBOLS (TYP)
(LEFT TURN ONLY, RIGHT TURN ONLY)
- (D) PROP. THPL. PAVEMENT MARKING LINE
24" WHITE SOLID LINE - STOP LINE (TYP)
- (E) 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)

- (K) PROP. THPL. PAVEMENT MARKING LINE
8" WHITE - SHLD (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE
12" WHITE (RIGHT) / 12" YELLOW (LEFT)
45° SHOULDER DIAGONALS
- (N) PROP. THPL. PAVEMENT MARKING LINE
4" YELLOW - SKIP-DASH LINE
10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE
12" WHITE LINE - PEDESTRIAN CROSSWALK LINES (TYP)

FILE NAME =	USER NAME = mremper	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div>	IL ROUTE 31 (LA FOX STREET)				F.A.U	SECTION	COUNTY	TOTAL	SHEET
I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\0160Y60-shr-plan.dwg	DRAWN -	REVISED -	RTE.						(E,P,G,H,I) RS-6	KANE	SHEETS	NO.	
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	PLOT DATE = 8/15/2014	DATE -	REVISED -		CONTRACT NO. 60Y60								
Default					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	



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

HMA SURFACE REMOVAL
BUTT JOINT 4.5'

- (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)

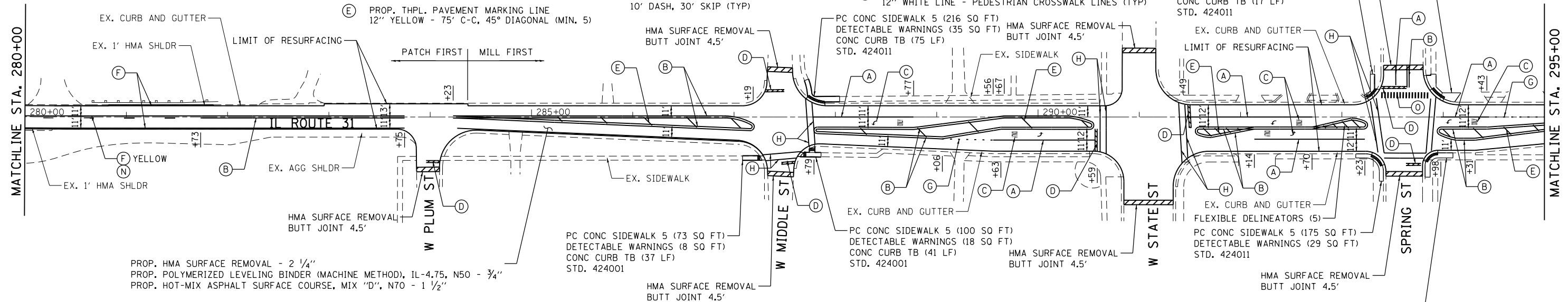
- (K) PROP. THPL. PAVEMENT MARKING LINE 8" WHITE - SHLD (TYP)
- (L) PROP. THPL. PAVEMENT MARKING LINE 12" WHITE (RIGHT) / 12" YELLOW (LEFT) 45° SHOULDER DIAGONALS
- (N) PROP. THPL. PAVEMENT MARKING LINE 4" YELLOW - SKIP-DASH LINE 10' LINE, 30' SPACE
- (O) PROP. THPL. PAVEMENT MARKING LINE 12" WHITE LINE - PEDESTRIAN CROSSWALK LINES (TYP)

PC CONC SIDEWALK 5 (273 SQ FT)
DETECTABLE WARNINGS (30 SQ FT)
CONC CURB TB (6 LF)
STD. 424011

PC CONC SIDEWALK 5 (105 SQ FT)
DETECTABLE WARNINGS (23 SQ FT)
CONC CURB TB (17 LF)
STD. 424011

PC CONC SIDEWALK 5 (175 SQ FT)
DETECTABLE WARNINGS (29 SQ FT)
STD. 424011

PC CONC SIDEWALK 5 (212 SQ FT)
DETECTABLE WARNINGS (29 SQ FT)
STD. 424011



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

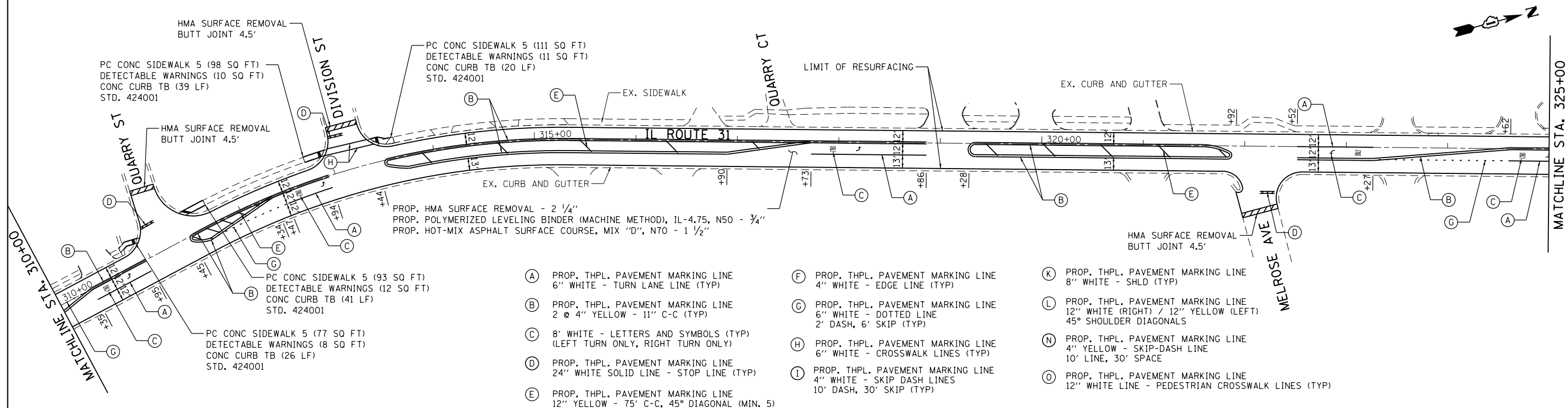
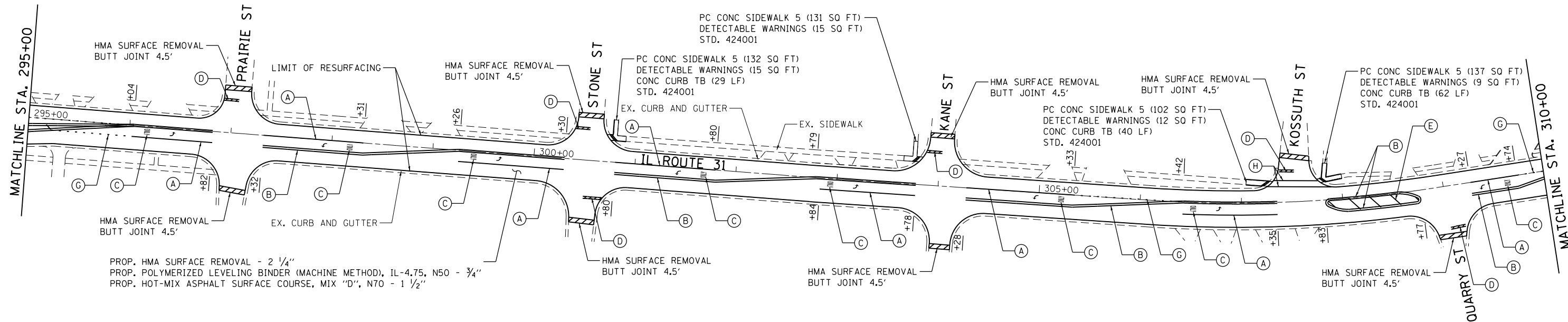
PC CONC SIDEWALK 5 (73 SQ FT)
DETECTABLE WARNINGS (8 SQ FT)
CONC CURB TB (37 LF)
STD. 424001

HMA SURFACE REMOVAL
BUTT JOINT 4.5'

PC CONC SIDEWALK 5 (100 SQ FT)
DETECTABLE WARNINGS (18 SQ FT)
CONC CURB TB (41 LF)
STD. 424001

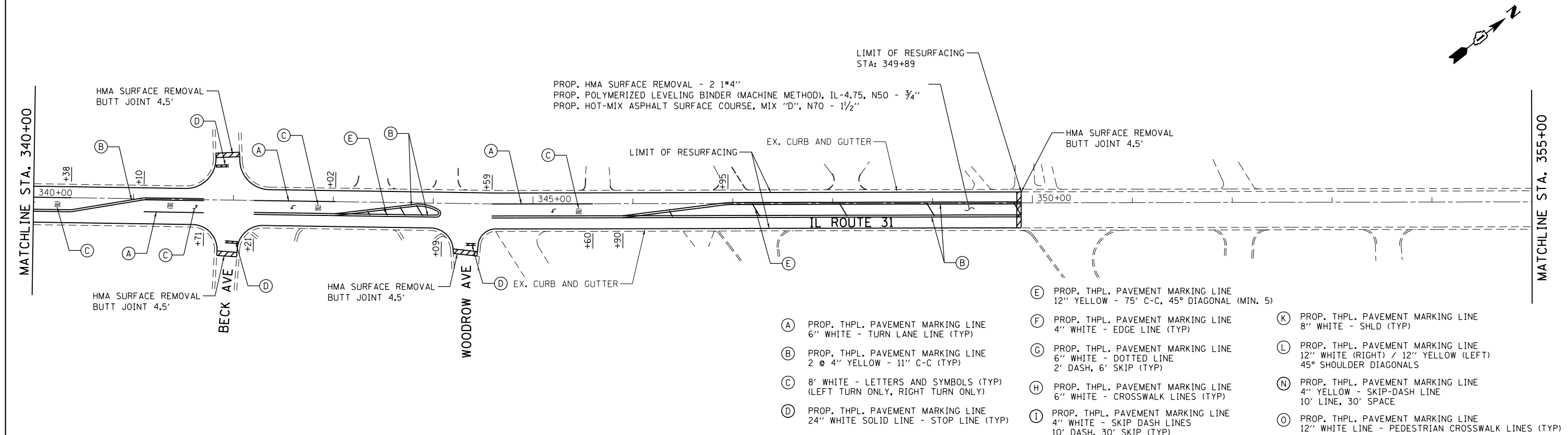
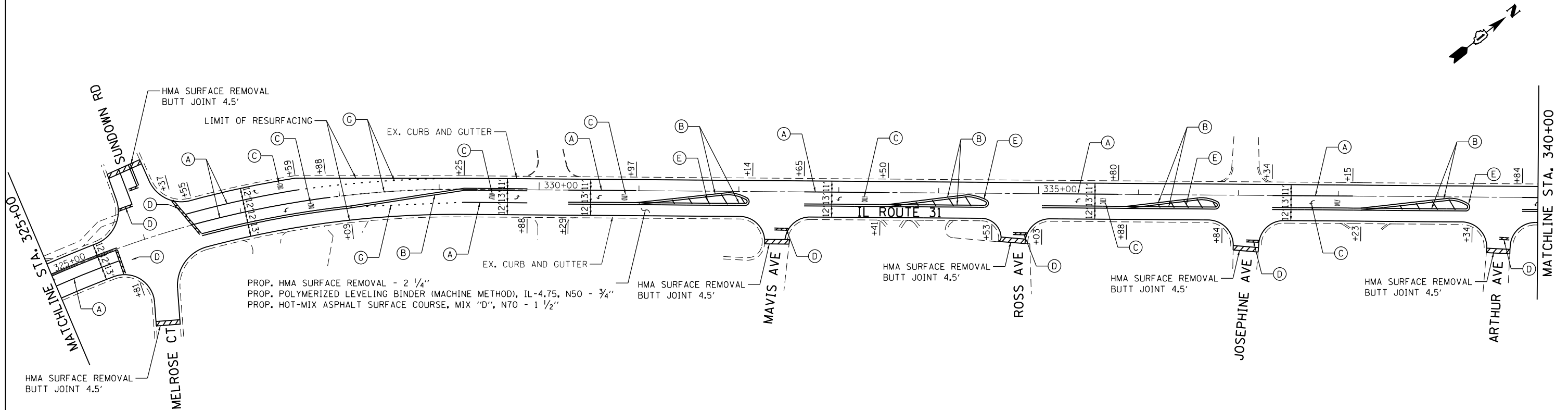
HMA SURFACE REMOVAL
BUTT JOINT 4.5'

FILE NAME = I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shr-plan.dwg Default	USER NAME = rge11	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) PROPOSED ROADWAY PLAN				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Drawn to Middle\CADD Sheets\DI60Y60-shr-plan.dwg	DRAWN -	REVISED -						3887	(E,P,G,H,I) RS-6	KANE	36	19
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 60Y60				
	PLOT DATE = 8/26/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

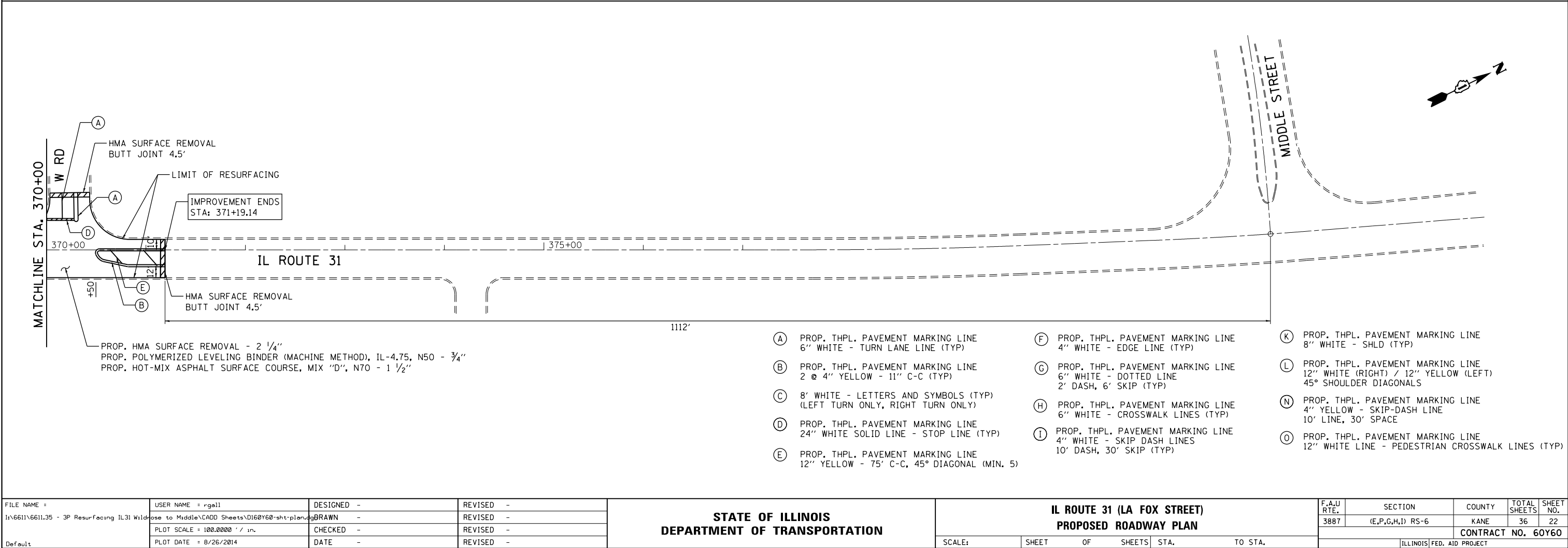
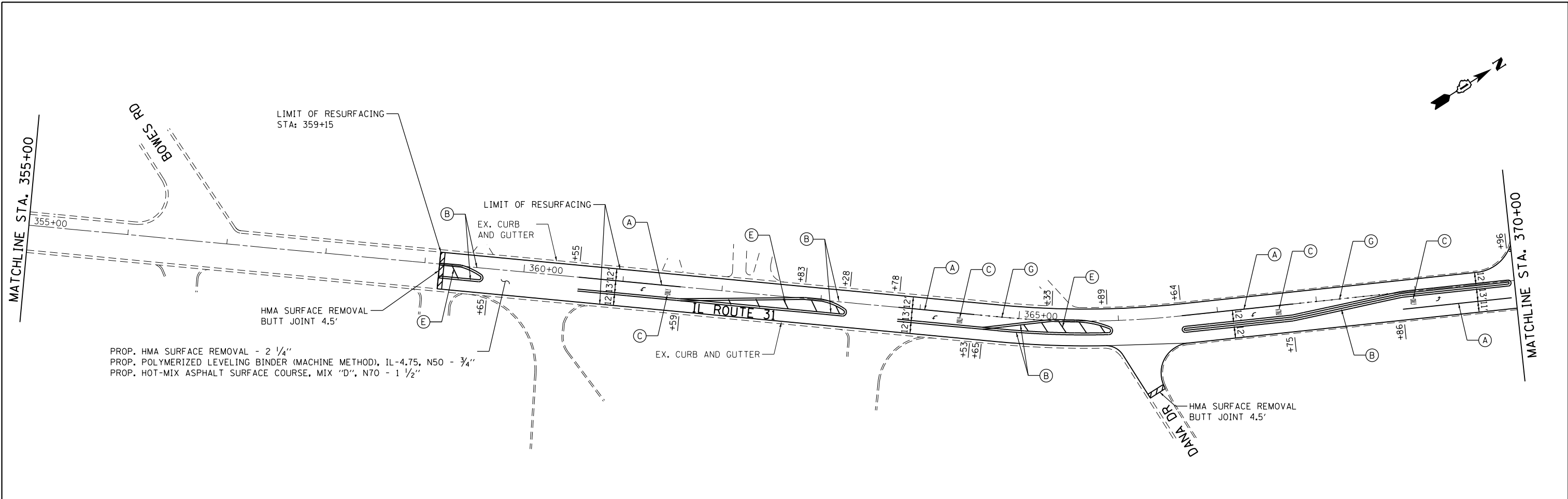


- | | | |
|--|---|--|
| (A) PROP. THPL. PAVEMENT MARKING LINE
6" WHITE - TURN LANE LINE (TYP) | (F) PROP. THPL. PAVEMENT MARKING LINE
4" WHITE - EDGE LINE (TYP) | (K) PROP. THPL. PAVEMENT MARKING LINE
8" WHITE - SHLD (TYP) |
| (B) PROP. THPL. PAVEMENT MARKING LINE
2 @ 4" YELLOW - 11" C-C (TYP) | (G)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

FILE NAME = I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shr-plan.dwg Default	USER NAME = rgal1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) PROPOSED ROADWAY PLAN				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						3887	(E,P,G,H,I) RS-6	KANE	36	20	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60Y60	
	PLOT DATE = 8/26/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									



FILE NAME =	USER NAME = rge11	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 31 (LA FOX STREET) PROPOSED ROADWAY PLAN					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\6611\6611.35 - 3P Resurfacing IL31 Wildrose to Middle\CADD Sheets\DI60Y60-shr-plan.dwg	Drawn to Middle\CADD Sheets\DI60Y60-shr-plan.dwg	DRAWN -	REVISED -							3887	(E,P,G,H,I) RS-6	KANE	36	21
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		CONTRACT NO. 60Y60									
	PLOT DATE = 8/26/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.			

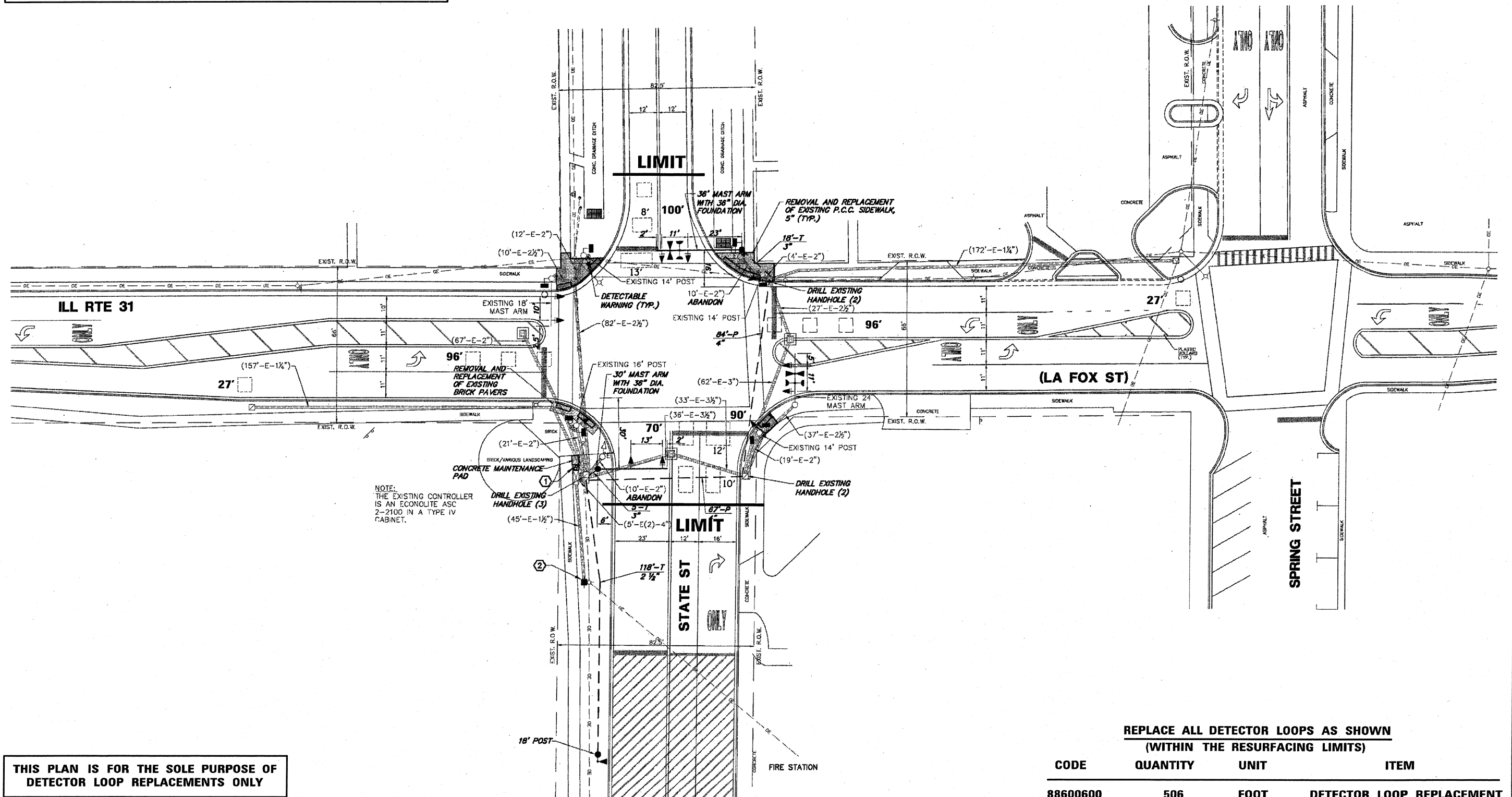


WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" 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

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

PROPOSED
EXISTING



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	506	FOOT	DETECTOR LOOP REPLACEMENT

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
IL. ROUTE 31(LA FOX ST.) AT STATE STREET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	(E.P.C.M.) RS-6	KANE	36	23
CONTRACT NO. 60Y60				

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

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

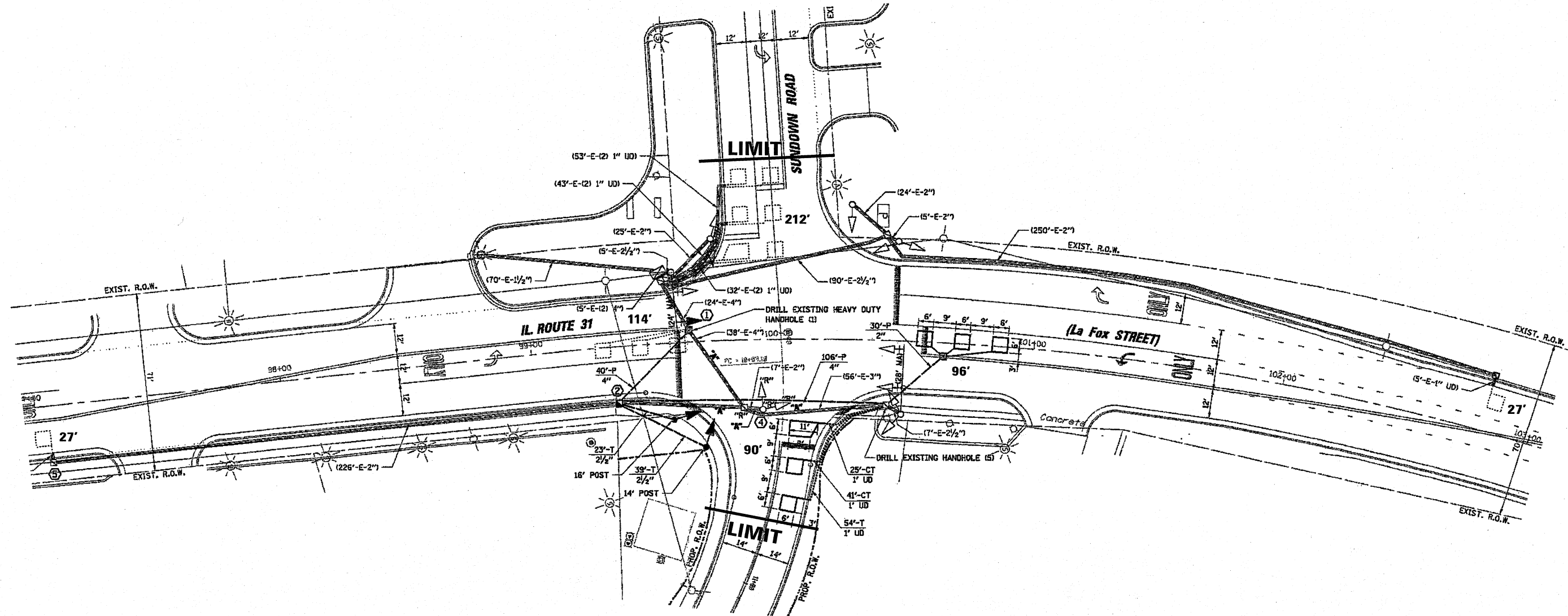
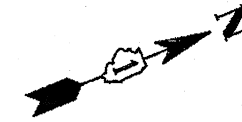
USER NAME = nguyenam	DESIGNED - SN	REVISED -
PLOT SCALE = 100.0001" / in.	DRAWN -	REVISED -
PLOT DATE = 7/3/2014	CHECKED -	REVISED -
	DATE - 07-02-2014	REVISED -

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

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

PROPOSED
EXISTING

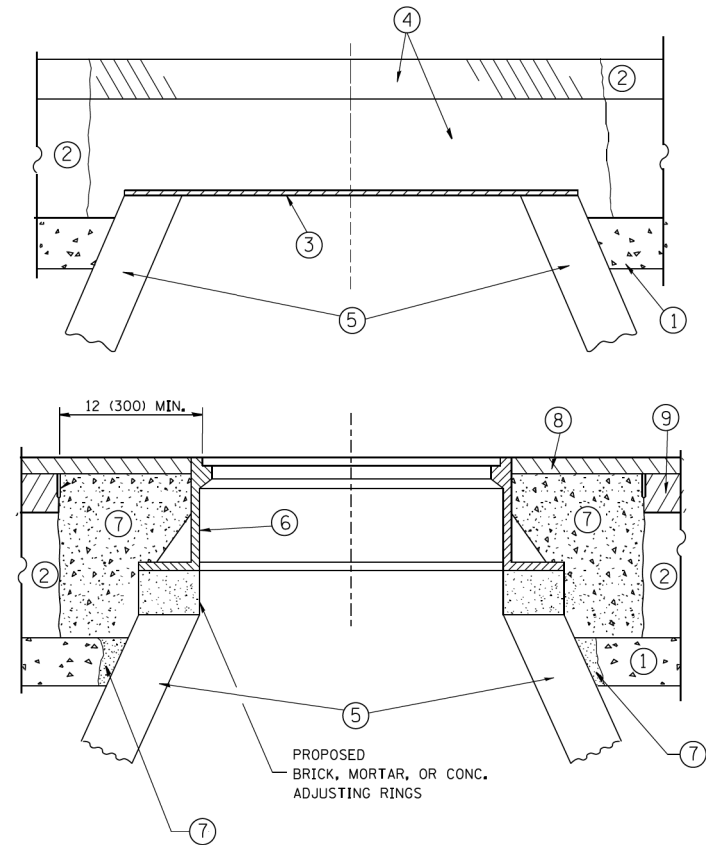


THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY

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

CODE	QUANTITY	UNIT	ITEM
88600600	566	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT IL. ROUTE 31 (LA FOX ST.) AT SUNDOWN ROAD	SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0001' / in.	DRAWN -	REVISED -						3887	(E.P.G.H.I) RS-6	KANE	36	24
	PLOT DATE = 7/3/2014	CHECKED -	REVISED -						CONTRACT NO. 60Y60				
	DATE - 07-02-2014	REVISD -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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.

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)."

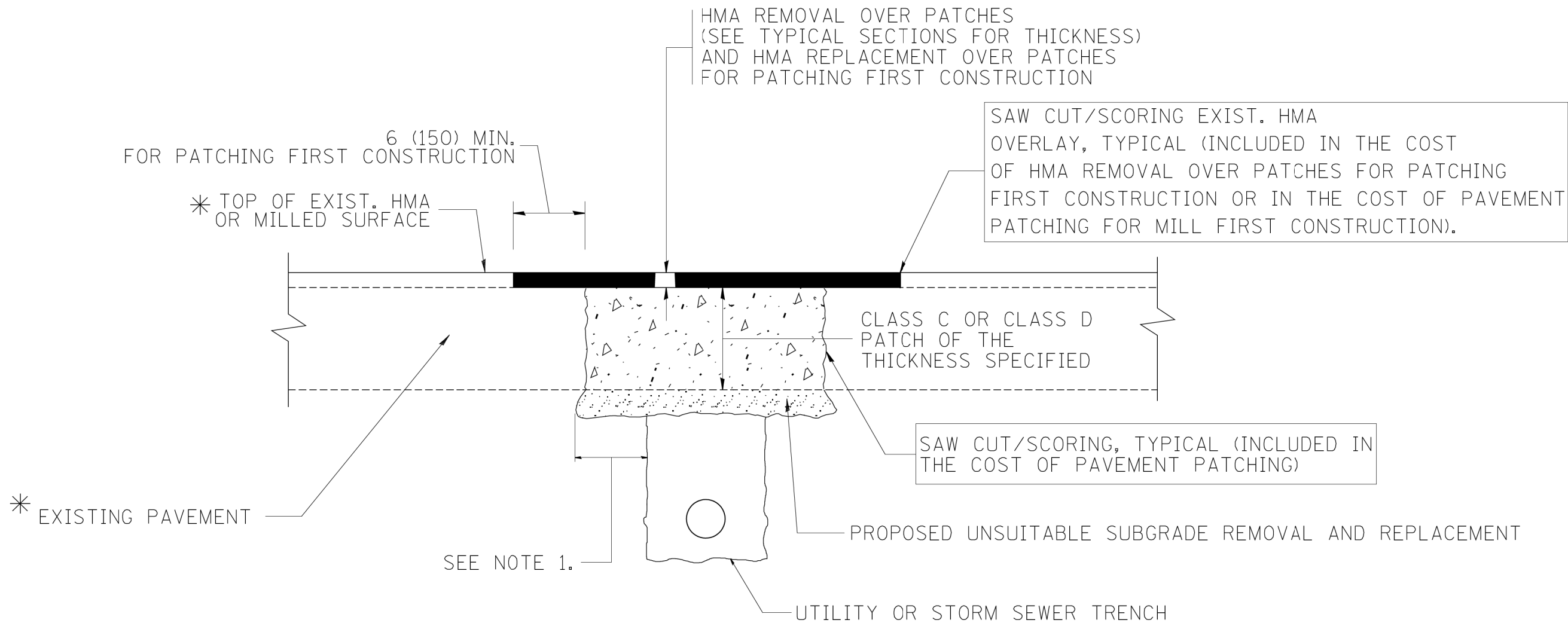
THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

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	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\p\work\p\dot\bauerdl\d0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE				3887	(E,P,G,H,I) RS-6	KANE	36	25
		PLOT SCALE = 1/68.5000' / 1" m	REVISED - R. BORO 03-09-11		SHEET NO. 1 OF 1 SHEETS				BD600-03 (BD-8)		CONTRACT NO. 60Y60		
		PLOT DATE = 12/6/2011	REVISED - R. BORO 12-06-11		STA. TO STA.				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)

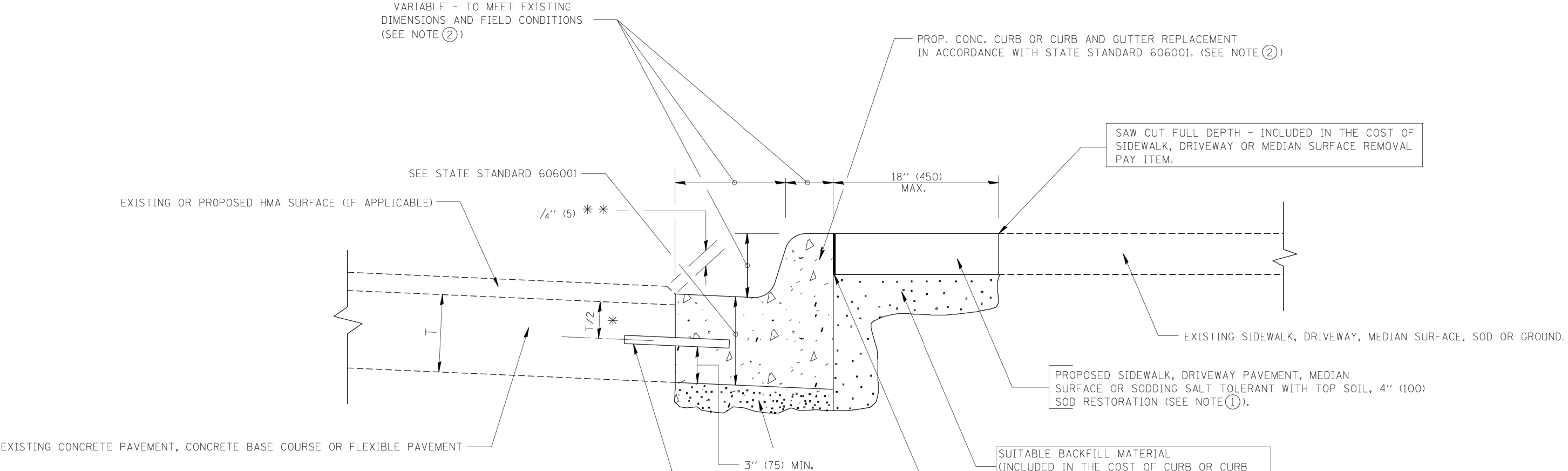
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07						3887	(E,P,G,H,I) RS-6	KANE	36	26
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 60Y60					
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- * 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.
- 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.

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.

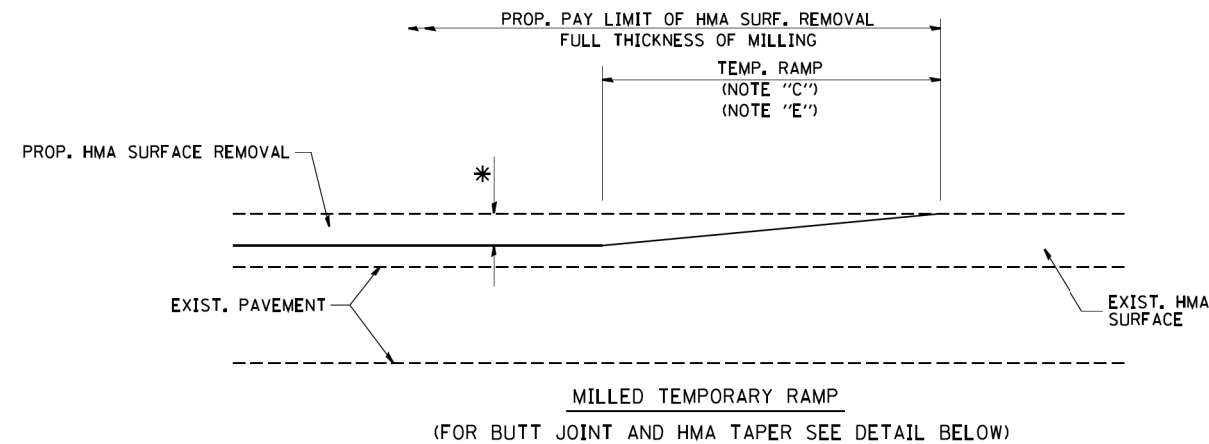
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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".

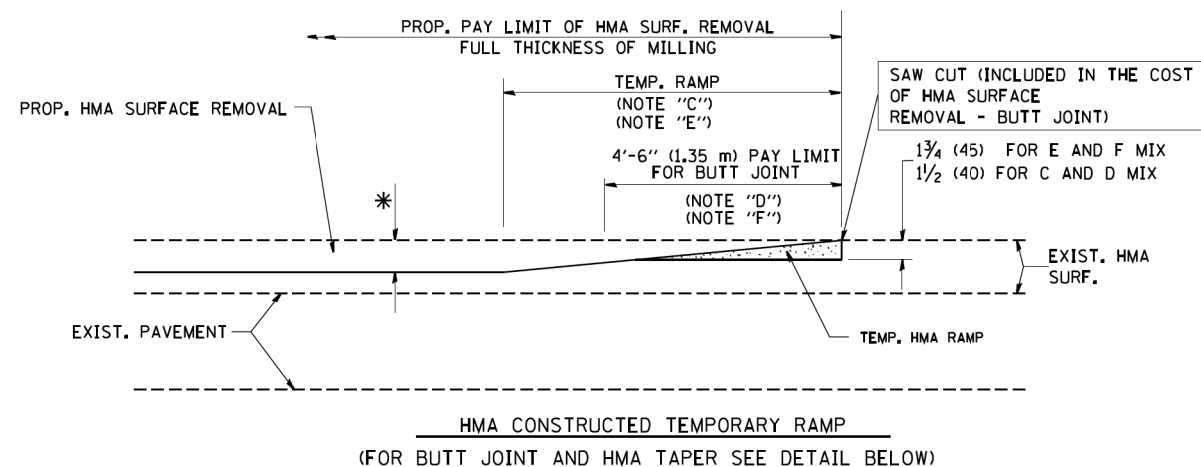
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME = c:\p\work\p\dot\drivokosgn\d0108315\bc24.dgn	USER NAME = drivokosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97					3887	(E,P,G,H,I) RS-6	KANE	36	27
		PLOT SCALE = 50.000' / IN.	CHECKED -					BD600-06 (BD-24)		CONTRACT NO. 60Y60		
		PLOT DATE = 12/15/2009	DATE - 03-11-94					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.							

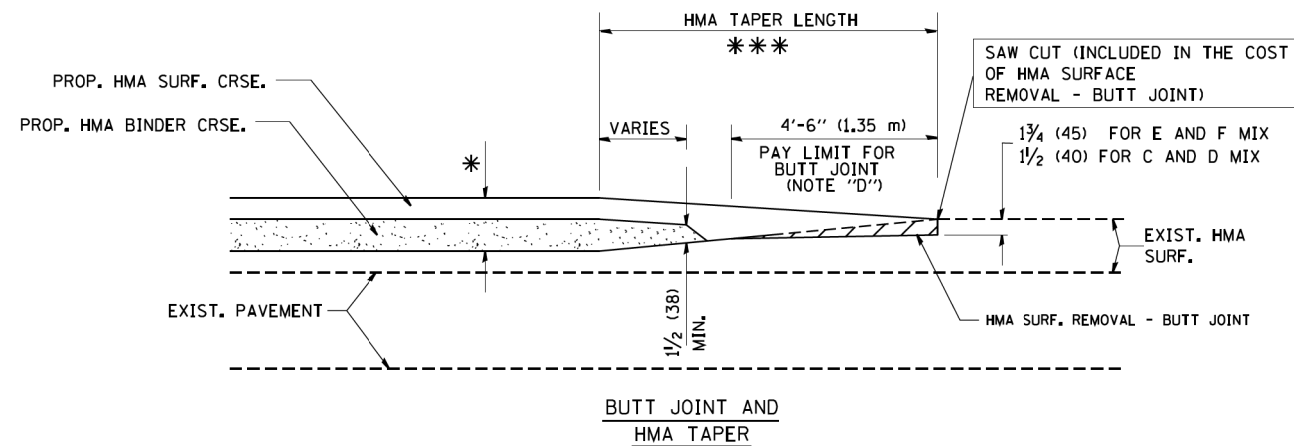


OPTION 1

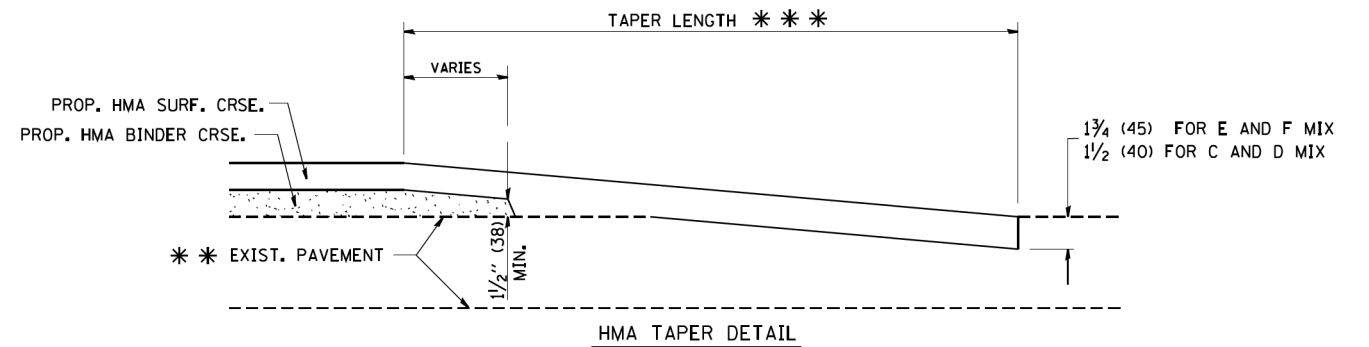
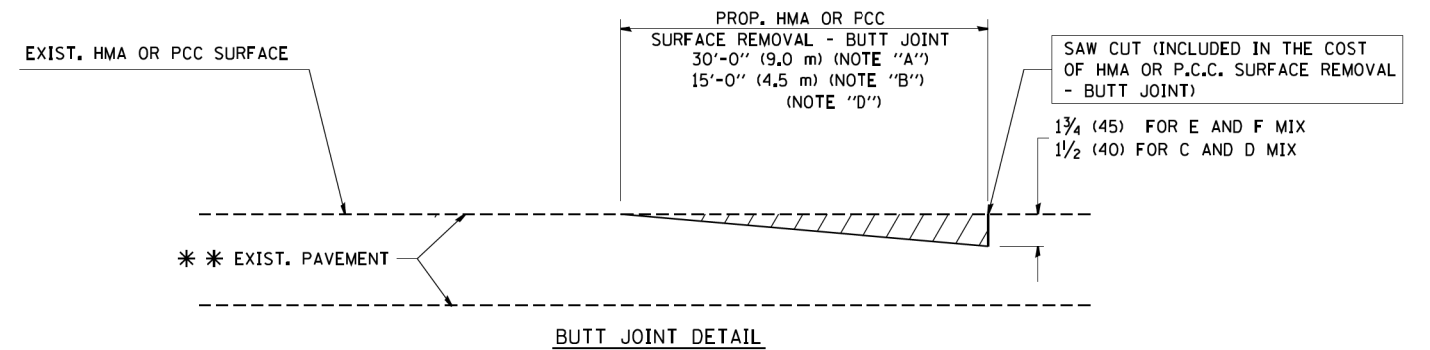


OPTION 2

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

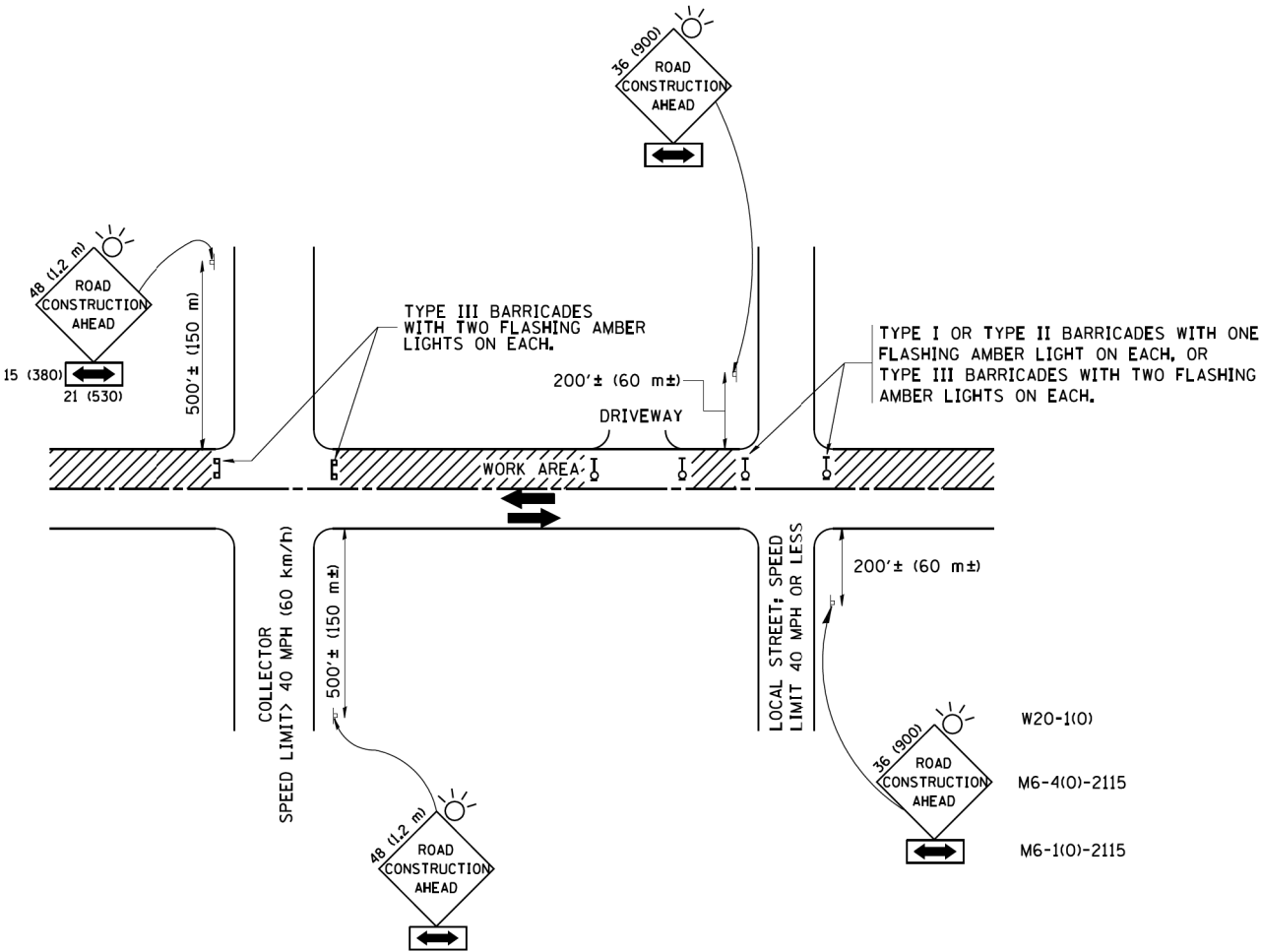
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (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.

FILE NAME = W:\diststa\22x34\bd32.dgn	USER NAME = geglennobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97						3887	(E,P,G,H,I) RS-6	KANE	36	28
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01						BD400-05 BD32		CONTRACT NO. 60Y60		
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.								



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

NOTES:

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

 - 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:
 - 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.
 - 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**

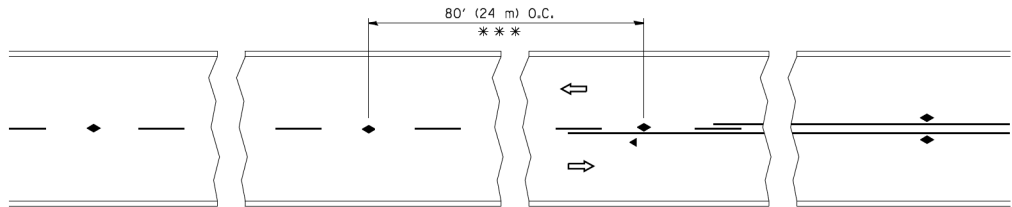
USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

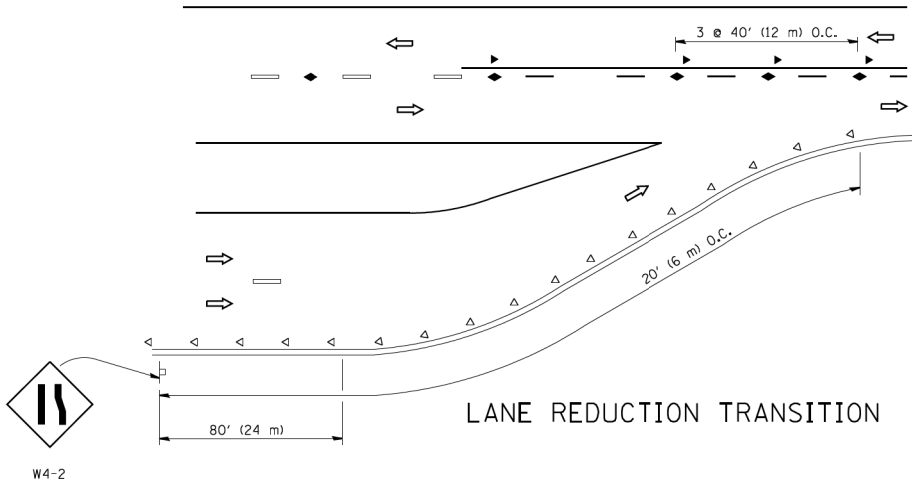
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\distata\22x34\tcl0.dgn	USER NAME = gegl1enobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. HOUSEH 03-06-96					3887	(E,P,G,H,I) RS-6	KANE	36	29
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-10		CONTRACT NO. 60Y60		
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

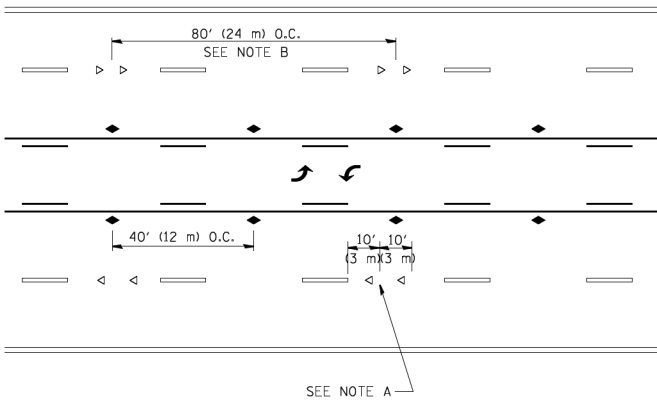


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

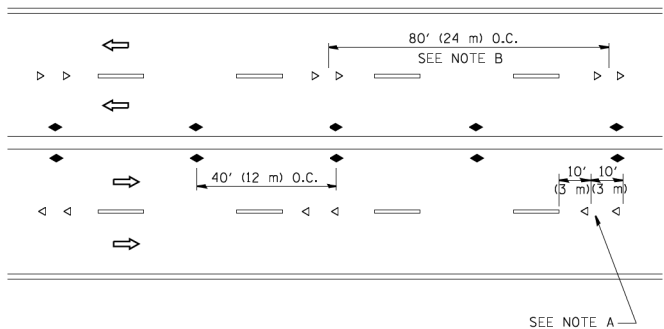
TWO-LANE/TWO-WAY



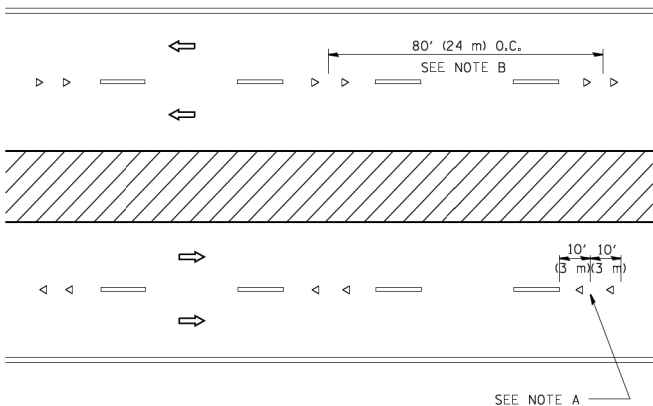
LANE REDUCTION TRANSITION



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.

LANE MARKER NOTES

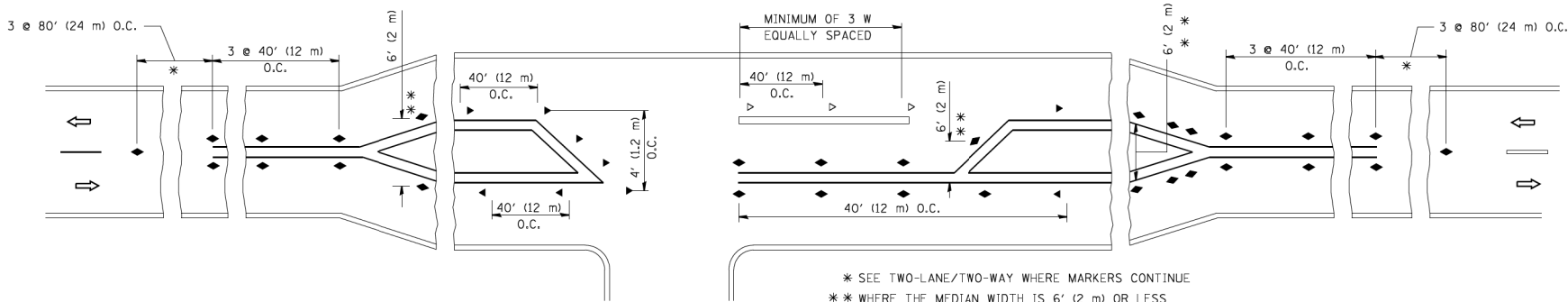
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

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

DESIGN NOTES

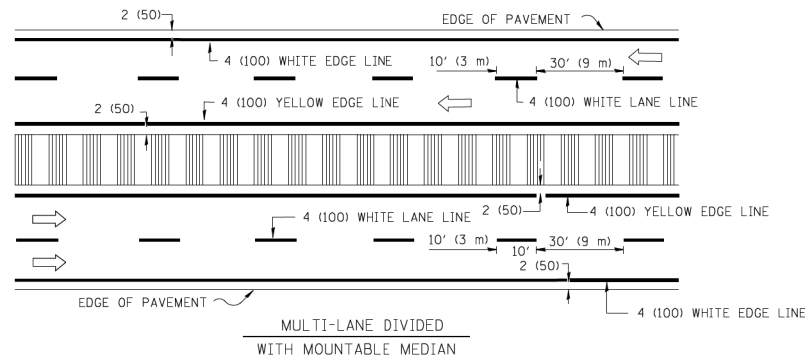
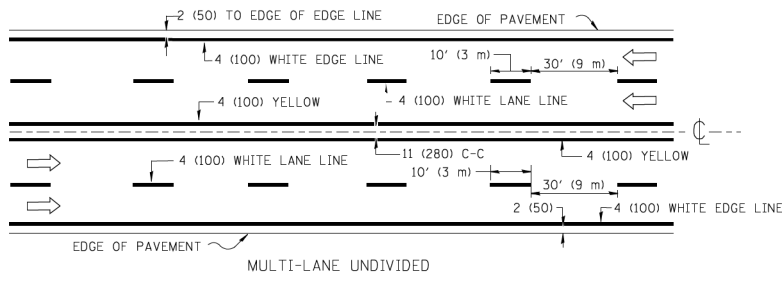
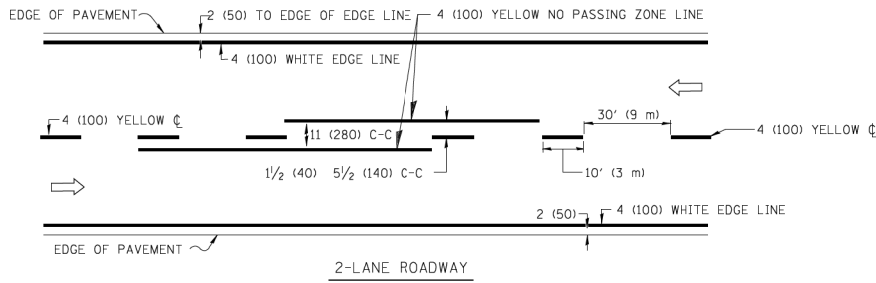
1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS 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

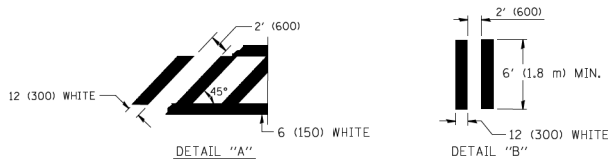
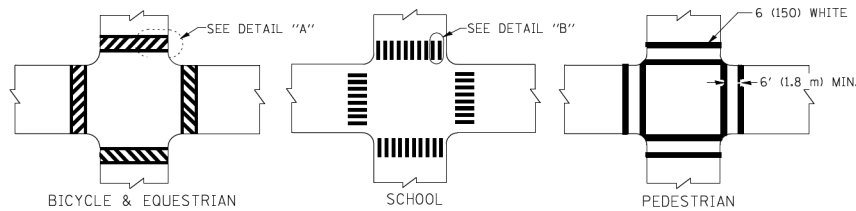
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lleyso	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pki\work\pki\dot\lleyso\d0108315\tcl1.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99					3887	(E,P,G,H,I) RS-6	KANE	36	30
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00					TC-11		CONTRACT NO. 60Y60		
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

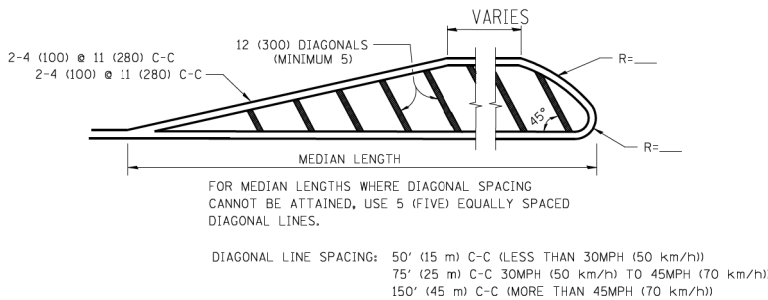
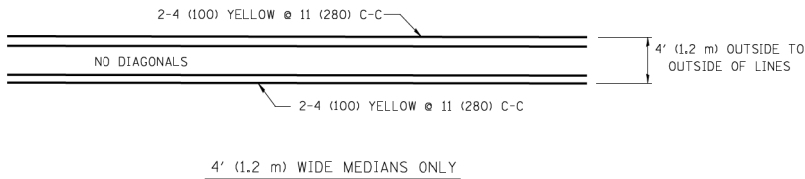


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

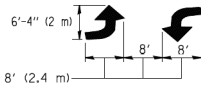
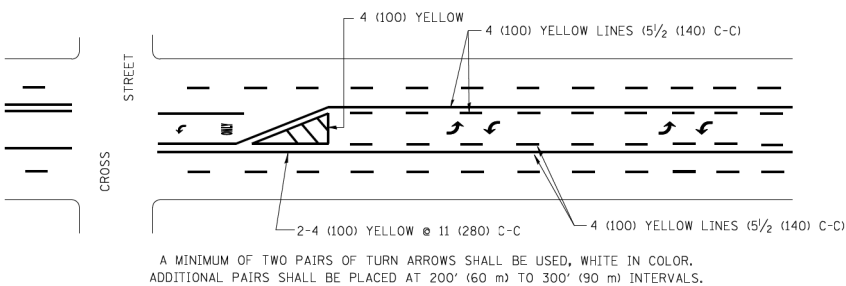
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

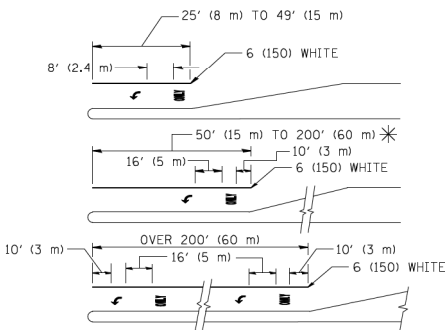


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

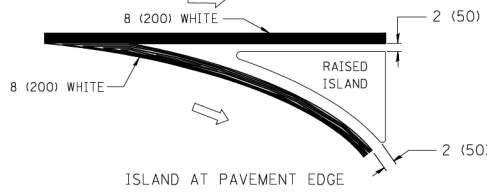
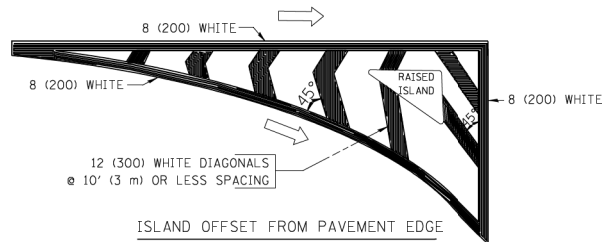


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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 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.

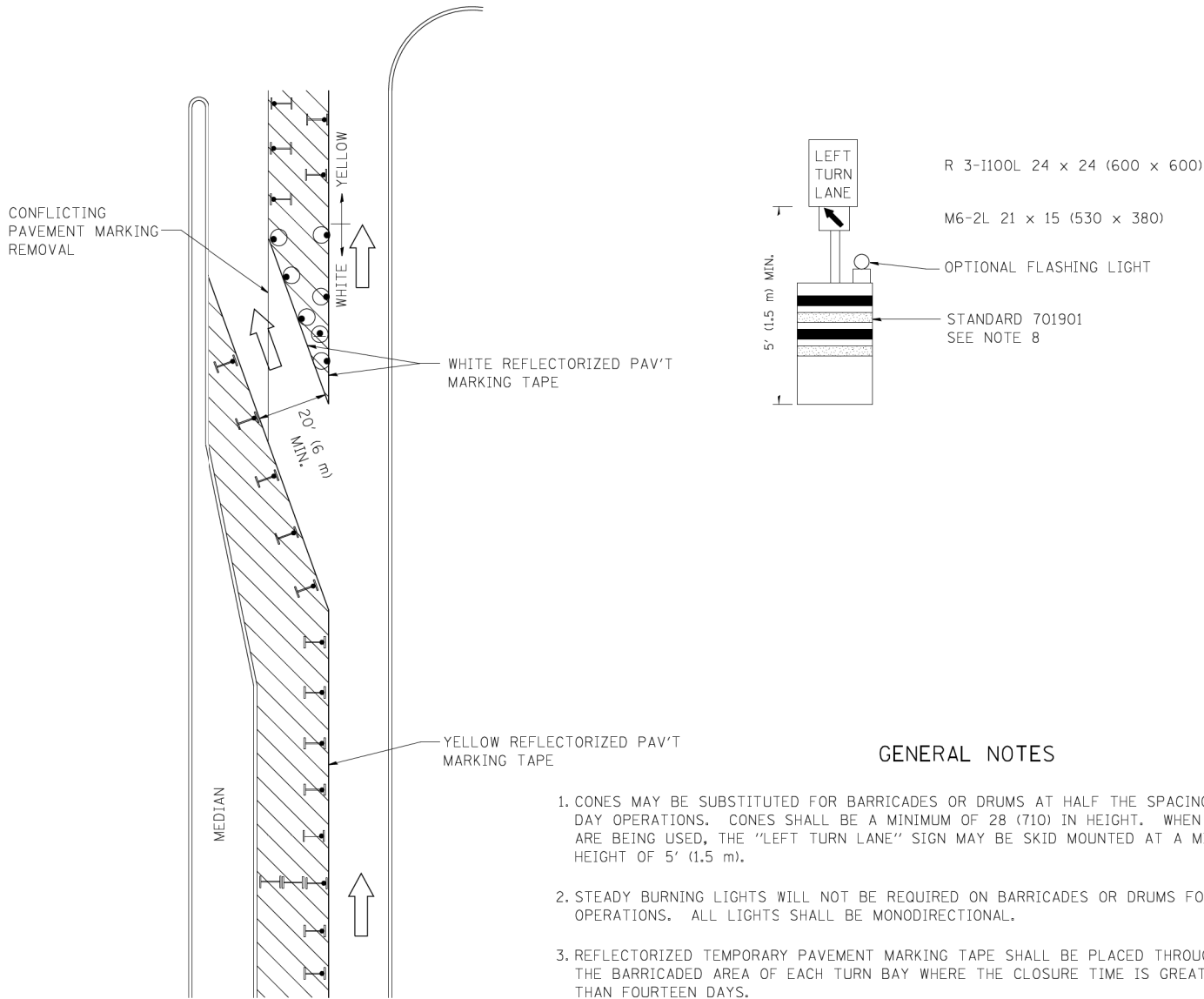
FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
c:\p\work\p\dot\drivakosgn\d0108315\to3.dgn		DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	(E,P,G,H,I) RS-6	KANE	36	31
TC-13		CONTRACT NO. 60Y60		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

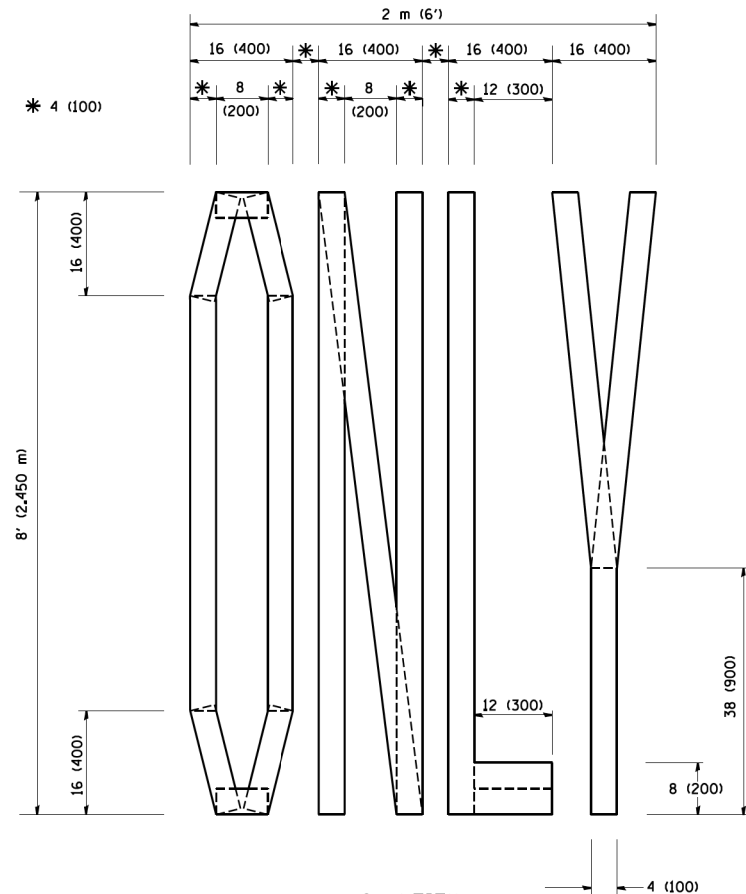
1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES 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 NCHR 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.

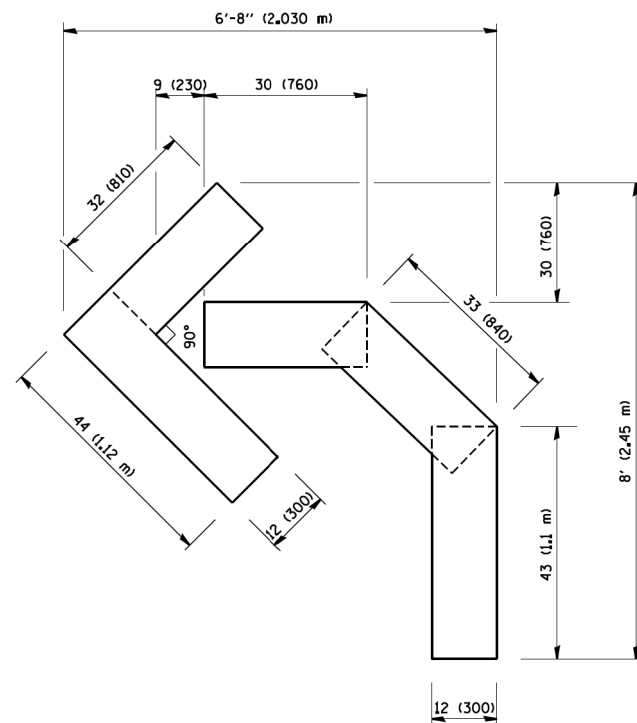
LEGEND

- 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

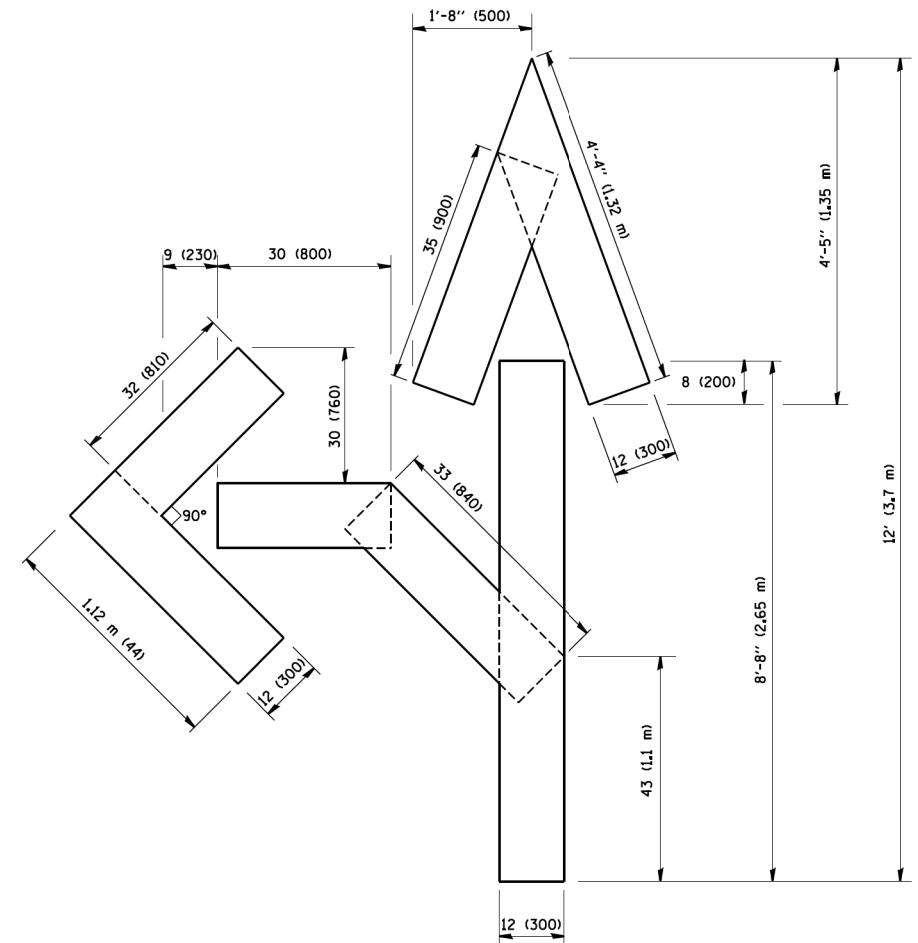
FILE NAME = c:\p\work\PWIDOT\DRIVAKOSGN\d0108315\td14.dgn	USER NAME = drivakosgn	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		REVISED - A. HOUSEH 11-07-95	REVISED -					3887	(E,P,G,H,I) RS-6	KANE	36	32
	PLOT SCALE = 49.9999 ' / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -					TC-14		CONTRACT NO. 60Y60		
	PLOT DATE = 9/14/2009	REVISED -T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	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 = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)



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

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

FILE NAME = W:\diststa\22x34\tal6.dgn	USER NAME = gegl1enobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -T. RAMMACHER 11-04-97			3887	(E,P,G,H,I) RS-6	KANE	36	33	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98			TC-16			CONTRACT NO. 60Y60		
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
					SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	



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

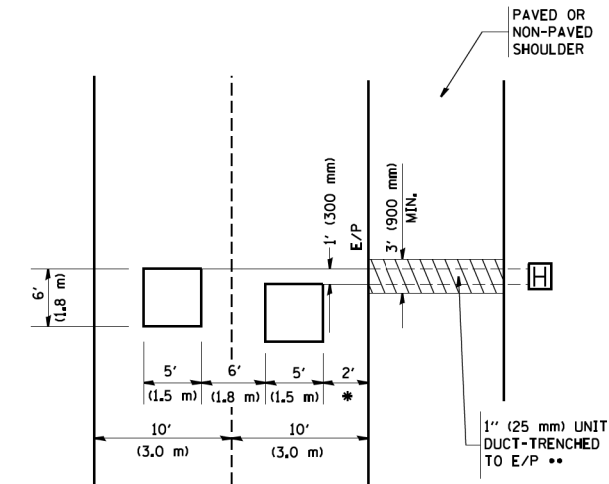
NOTES:

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 = c:\p\work\p\dot\gaglianob\0108315\tp26.dgn	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					3887	(E,P,G,H,I) RS-6	KANE	36	35
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -		TC-26			CONTRACT NO. 60Y60				
	PLOT DATE = 12/13/2012	DATE -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	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.



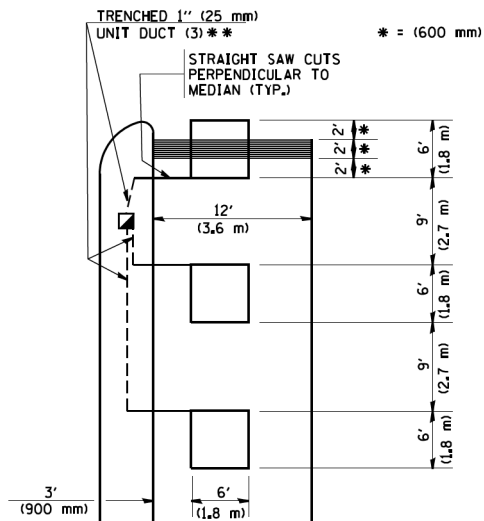
* = (600 mm)

** 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.

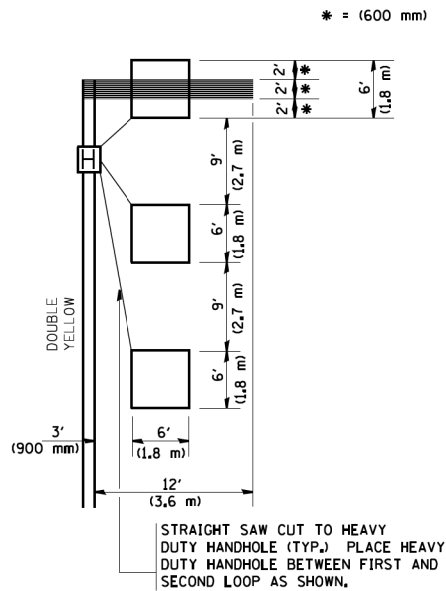


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

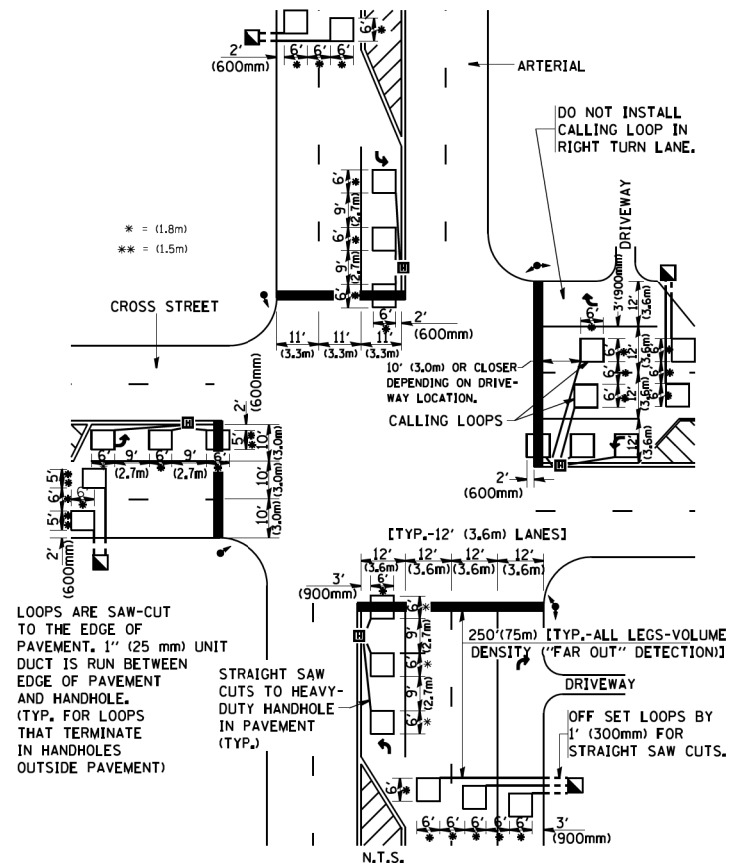
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



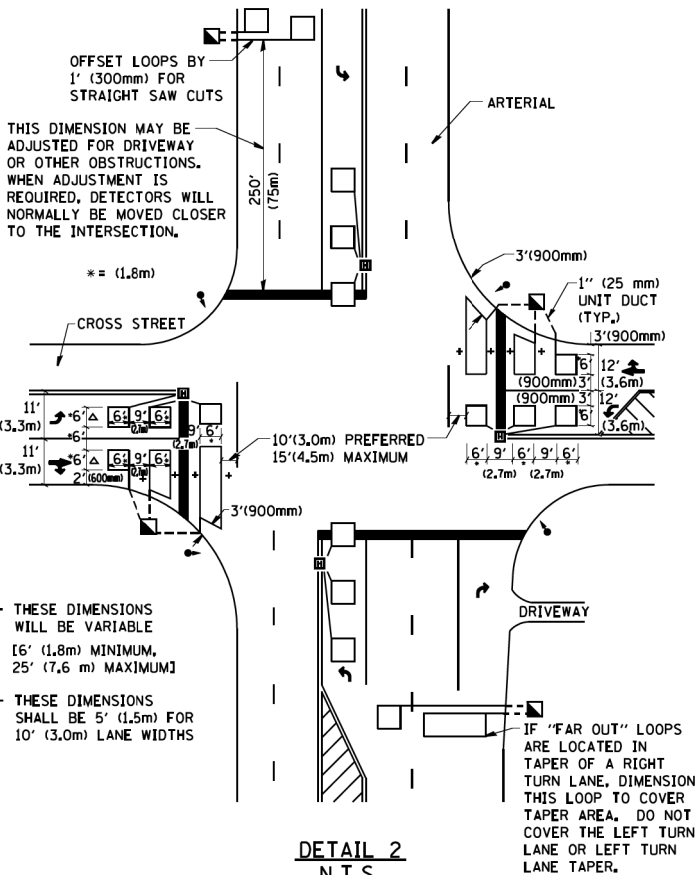
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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:\diststa\22x34\ts07.dgn	USER NAME = geglanoht	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.U. RTE. 3887	SECTION (E,P,G,H,I) RS-6 TS-07	COUNTY KANE	TOTAL SHEETS 36	SHEET NO. 36
PLOT SCALE = 50.0000' / IN.	CHECKED - R.K.F.	REVISED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60Y60	
PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT