

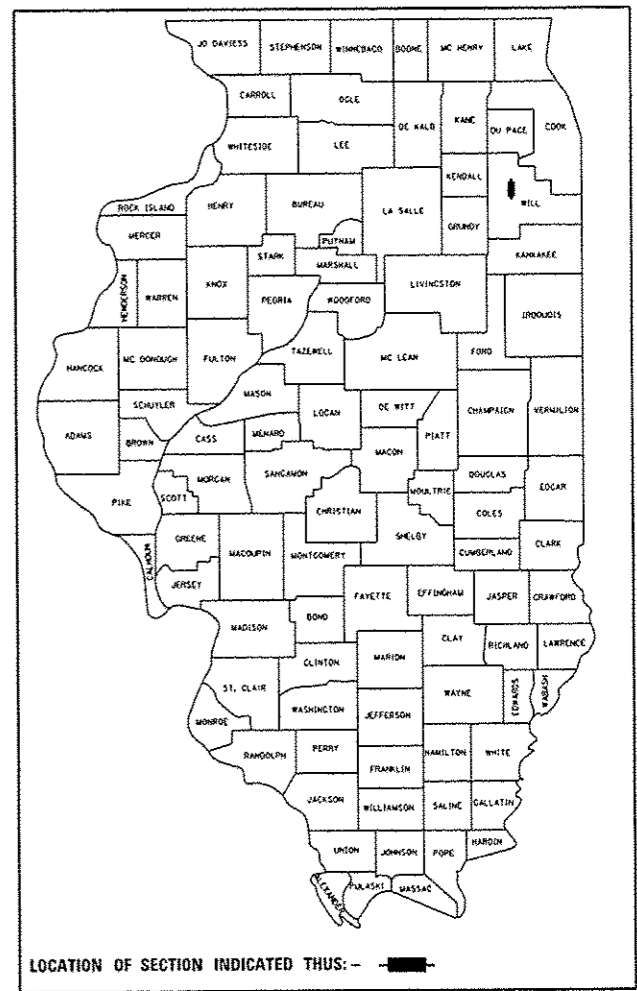
04-28-2017 LETTING ITEM 010

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	39	1
		ILLINOIS	CONTRACT NO.: 62C44	

*39-1 = 38 total pages

D-91-351-16



FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS
F.A.P. 846 /IL 53 (CHICAGO ST.)
US 52 (DORIS AVE.) TO MANHATTAN RD.
RESURFACING (3P) AND
ADA PEDESTRIAN RAMPS
SECTION NO.: 4R-RS-10
PROJECT: NHPP-0846(026)
WILL COUNTY
C-91-351-16

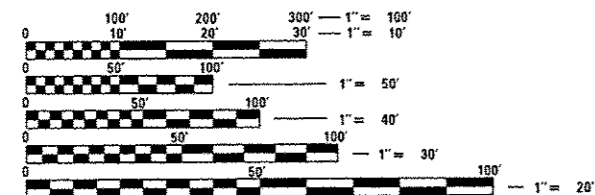
PROJECT LOCATED IN THE CITY OF JOLIET AND THE VILLAGE OF ELWOOD

TRAFFIC DATA:

2014 ADT - 13700 TO 23100
SPEED LIMIT - 40 TO 55 MPH

OMISSIONS:

JACKSON CREEK
STA. 31+93 TO 32+88



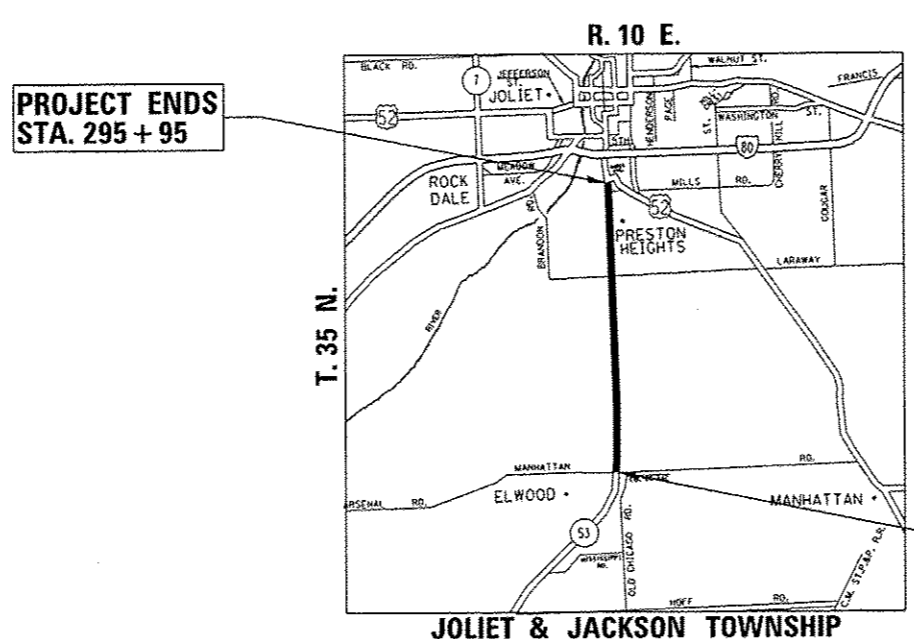
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JENPAI CHANG (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62C44

GROSS LENGTH OF PROJECT - 27463 FEET - 5.20 MILES
NET LENGTH OF PROJECT - 27368 FEET - 5.18 MILES



PROJECT ENDS
STA. 295 + 95

PROJECT BEGINS
STA. 21 + 32

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 6, 2017

Timothy J. Douglas
REGIONAL ENGINEER

MAR 24 2017
Maureen M. Addis, PE
ENGINEER OF DESIGN AND ENVIRONMENT

MAR 24 2017
Maureen M. Addis
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SHEET NO.	DESCRIPTION	STATE STANDARDS	GENERAL NOTES
1	COVER SHEET	000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	<p>BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).</p> <p>10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD. UNLESS OTHERWISE SHOWN, THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.</p> <p>THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE CITY OF JOLIET AND THE VILLAGE OF ELWOOD.</p> <p>THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.</p> <p>ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.</p> <p>ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.</p> <p>ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.</p> <p>LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.</p> <p>DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.</p> <p>IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.</p> <p>FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT IN PART OF THIS CONTRACT.</p> <p>BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.</p> <p>WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING MACHINE IS SLOPED A MINIMUM (1:3).</p> <p>THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL CENTER AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.</p> <p>THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION</p> <p>PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-13)</p> <p>THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, AREA TRAFFIC ENGINEER, AT ERIC.CAMPOS@ILLINOIS.GOV. A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.</p>
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	424001-09 PERPENDICULAR CURB RAMPS FOR SIDEWALKS	
3-4	SUMMARY OF QUANTITIES	442201-03 CLASS C AND D PATCHES	
5-12	TYPICAL SECTIONS	604001-04 FRAMES AND LIDS, TYPE 1	
13-22	ROADWAY AND PAVEMENT MARKING PLANS	606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	
23	ADA PEDESTRIAN RAMP DETAILS	701301-04 LANE CLOSURE, 2L, 2W SHORT-TIME OPERATIONS	
24	DETAILS FOR FRAMES AND LIDS ADJUSTMENTS WITH MILLING (BD-8)	701406-11 LANE CLOSURE, FREEWAY/ EXPRESSWAY, DAY OPERATIONS ONLY	
25	DETAILS FOR PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH	
26	DETAILS FOR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION	
27	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701801-06 SIDEWALK CORNER OR CROSSWALK CLOSURE	
28	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701901-06 TRAFFIC CONTROL DEVICES	
29	TYPICAL APPLICATION FOR RAISED REFLECTIVE PAVEMENT MARKERS (TC-11)	780001-05 TYPICAL PAVEMENT MARKING	
30	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	781001-04 TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS	
31	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	886001-01 DETECTOR LOOP INSTALLATIONS	
32	PAVEMENT MARKING--LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)	886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS	
33	DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)		
34-37	DETECTOR LOOP LOCATION DETAILS		
38	ARTERIAL ROAD INFORMATION SIGNING (TC-22)		

FILE NAME :	USER NAME = STEEOPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\NLS04\EBI\INTEG.illinois.gov\PI001\Documents\IDOT\Office\District 1\Projects\013510\013510-01\Design\013516-01-01-01-01.dgn	PLLOT SCALE * 100.0000 ' / in.	CHECKED -	REVISED -			846	4R-R5-10	WILL	36	2	
Default	PLLOT DATE * 2/15/2017	DATE -	REVISED -			CONTRACT NO. 62C44					
						SCALE:	SHEET	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80/20 FED/STATE 0005					
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X0327985	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	3155	3155					
20200100	EARTH EXCAVATION	CU YD	5	5					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	13	13					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	1					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1	1					
25200110	SODDING, SALT TOLERANT	SO YD	13	13					
25200200	SUPPLEMENTAL WATERING	UNIT	1	1					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	145831	145831					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	316	316					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, NS0	TON	8912	8912					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	986	986					
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	21173	21173					
42001300	PROTECTIVE COAT	SO YD	20	20					

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80/20 FED/STATE 0005					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	143	143					
42400800	DETECTABLE WARNINGS	SO FT	16	16					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	216045	216045					
44000600	SIDEWALK REMOVAL	SO FT	143	143					
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SO YD	272	272					
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SO YD	14	14					
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SO YD	986	986					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3456	3456					
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	88677	88677					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1	1					
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
67100100	MOBILIZATION	LSUM	1	1					

FILE NAME : p:\NLD846\BID\HTEG\ltd\sgor\PW\DOT\Documents\1007	USER NAME : STEEDPA Office: District 1, Project: 846, Contract: 4R-RS-10, Section: 4R-RS-10, Sheet: 38	DESIGNED - CHECKED - DATE -	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES FAP 846 (IL 53 /CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.	F.A.P. RTE. 846	SECTION 4R-RS-10	COUNTY WILL	TOTAL SHEETS 38	SHEET NO. 3	CONTRACT NO. 62C44
PLOT SCALE * 100,000 * / in.	PLOT DATE * 2/15/2007	SCALE: SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

* SPECIALTY ITEMS
 NON-PARTICIPATING ITEMS

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80/20 FED/STATE 0005			
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	LSUM	1	1			
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	18926	18926			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	3152	3152			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1828	1828			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	115187	115187			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	7488	7488			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	587	587			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2064	2064			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	474	474			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	9463	9463			
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1828	1828			
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	115187	115187			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80/20 FED/STATE 0005			
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7488	7488			
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	587	587			
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2064	2064			
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	474	474			
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1574	1574			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1338	1338			
*88600600	DETECTOR LOOP REPLACEMENT	FOOT	456	456			
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	864	864			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	31	31			
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	20	20			
Ø20076600	TRAINEES	HOURL	500	500			
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	4	4			
Ø20076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURL	500	500			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4			

* SPECIALTY ITEMS
 NON-PARTICIPATING ITEMS

FILE NAME :
 USER NAME : STECDPA
 DESIGNED -
 PLOT SCALE : 1000000' / 1" /
 PLOT DATE : 2/14/2017

DESIGNED -
 CHECKED -
 DATE -
 REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

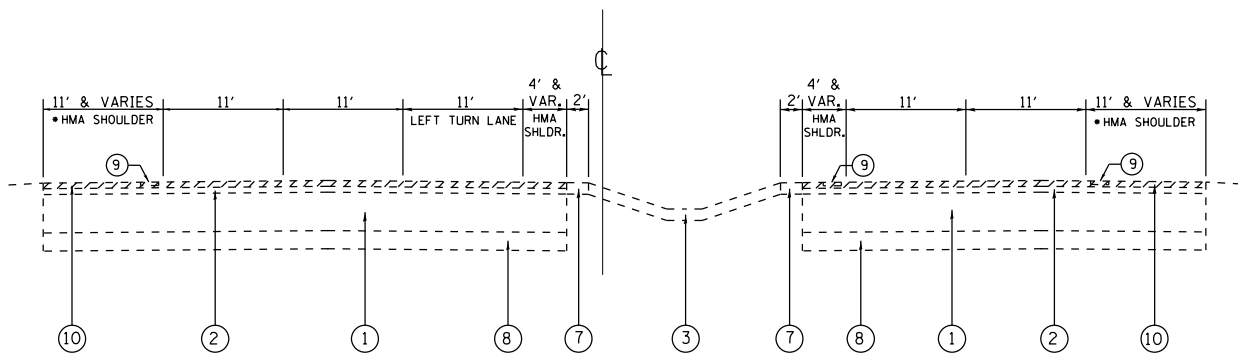
SUMMARY OF QUANTITIES
 FAP 846 (IL 53 /CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 846 4B-RS-10 WILL 38 4
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CONTRACT NO. 62C44

13

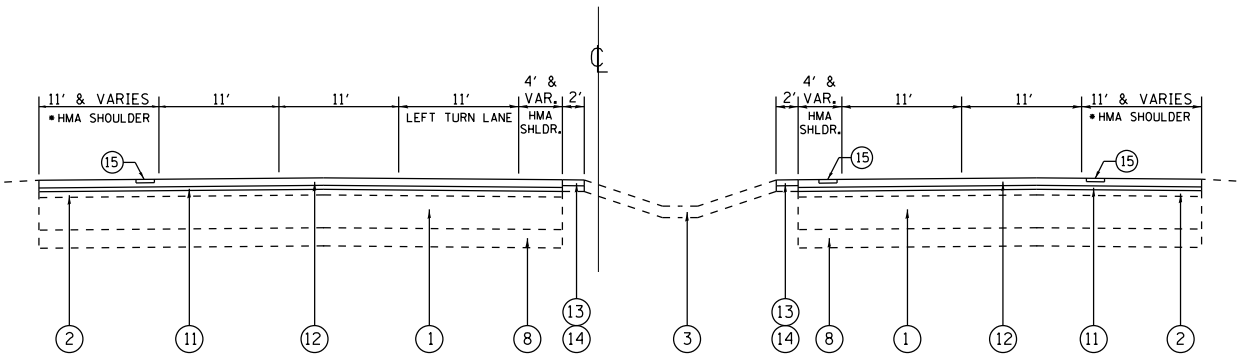
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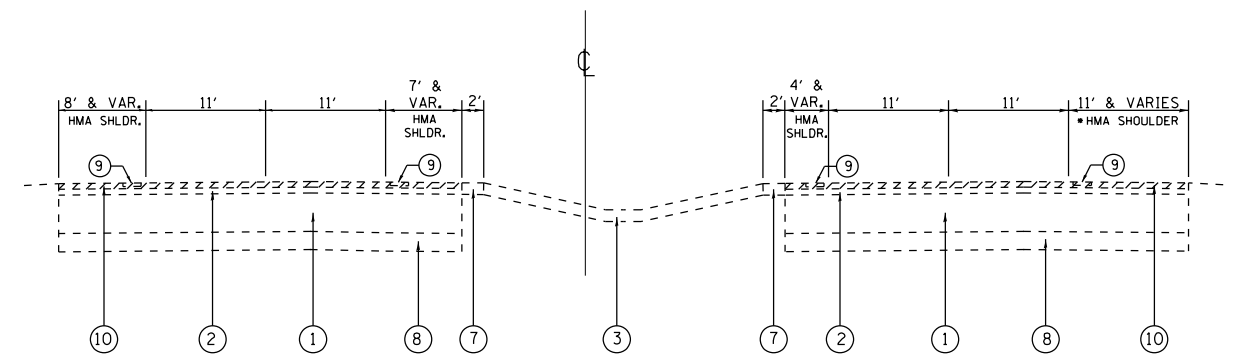
EXISTING TYPICAL CROSS SECTION
 STA. 21+32 TO STA. 25+46
 STA. 127+90 TO STA. 132+00
 STA. 153+49 TO STA. 158+82

LEGEND:
 * EXIST. 4' HMA SHLDR./2' AGG. SHLDR.
 STA. 127+90 TO 132+00
 STA. 153+49 TO 158+82



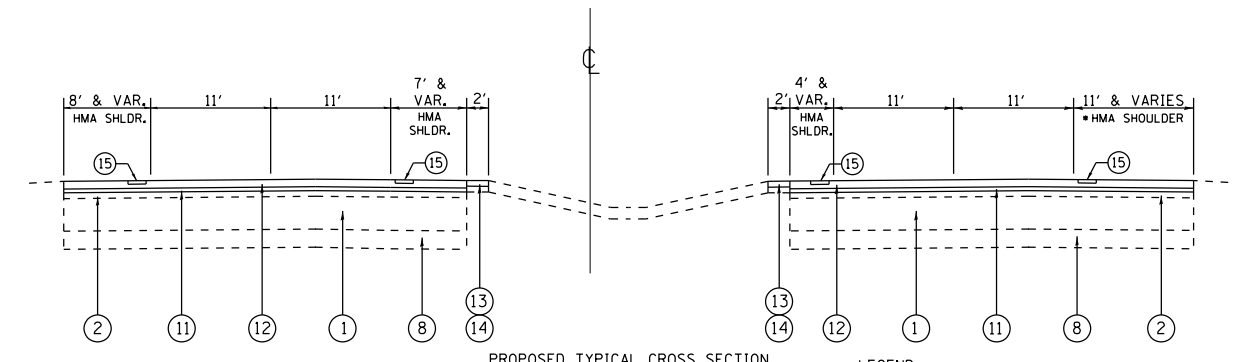
PROPOSED TYPICAL CROSS SECTION
 STA. 21+32 TO STA. 25+46
 STA. 127+90 TO STA. 132+00
 STA. 153+49 TO STA. 158+82

LEGEND:
 * PROP. 4' HMA SHLDR./2' AGG. SHLDR.
 STA. 127+90 TO 132+00
 STA. 153+49 TO 158+82



EXISTING TYPICAL CROSS SECTION
 STA. 25+46 TO STA. 36+02
 STA. 233+18 TO STA. 237+59

LEGEND:
 * EXIST. 4' HMA SHLDR./2' AGG. SHLDR.
 STA. 233+18 TO 234+84



PROPOSED TYPICAL CROSS SECTION
 STA. 25+46 TO STA. 36+02
 STA. 233+18 TO STA. 237+59

LEGEND:
 * PROP. 4' HMA SHLDR./2' AGG. SHLDR.
 STA. 233+18 TO 234+84

LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
- ② EXISTING HOT-MIX ASPHALT SURFACE, ±6" (AFTER MILLING)
- ③ EXISTING LANDSCAPE MEDIAN
- ④ EXISTING HOT-MIX ASPHALT MEDIAN
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING STABILIZED SUB-BASE
- ⑨ EXISTING RUMBLE STRIPS
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1½"
- ⑬ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑮ PROPOSED SHOULDER RUMBLE STRIPS (8" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)

MIXTURE REQUIREMENTS

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

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS./SQ. YD./ IN.

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

THE MILLING SHALL BE DONE PRIOR TO PATCHING

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

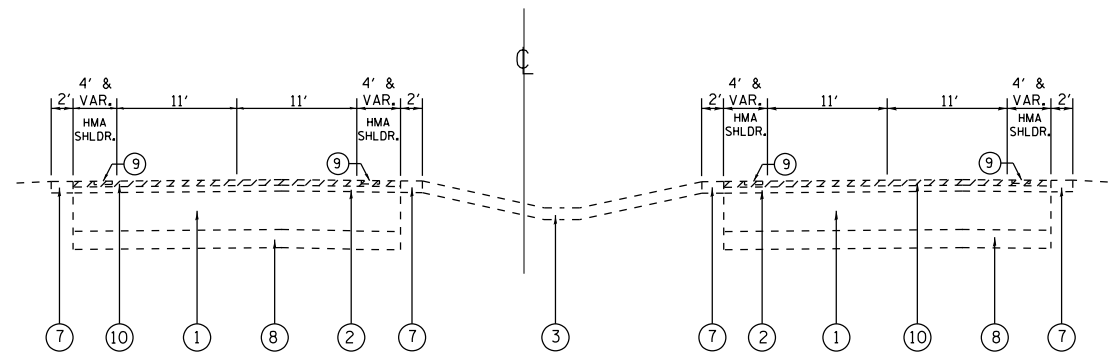
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	PLOT DATE = 2/14/2017		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

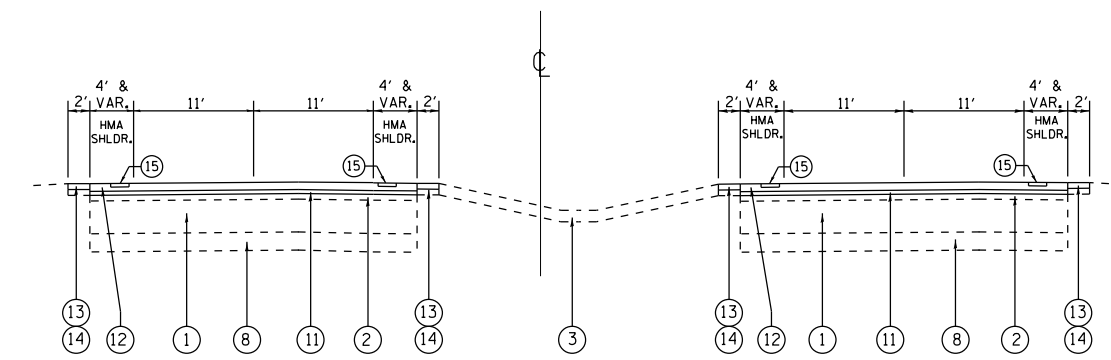
EXISTING AND PROPOSED TYPICAL SECTIONS
 FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.

SCALE: SHEET OF SHEETS STA. TO STA.

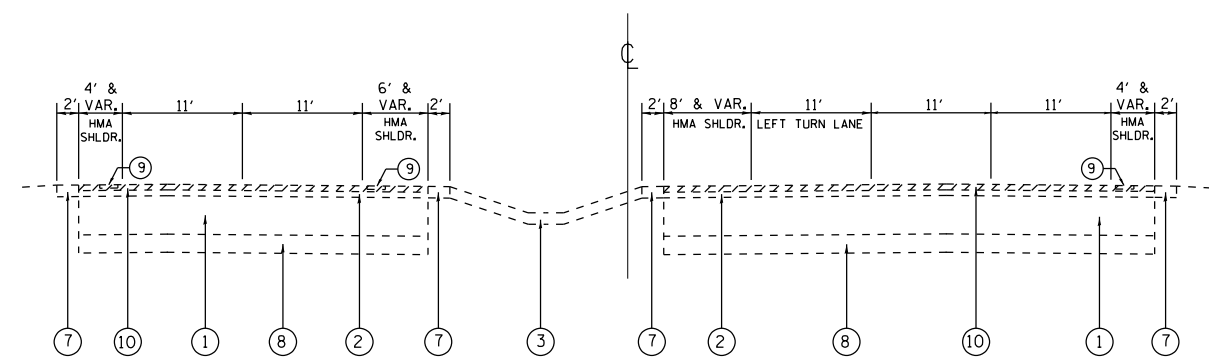
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	5
CONTRACT NO. 62C44				
ILLINOIS FED. AID PROJECT				



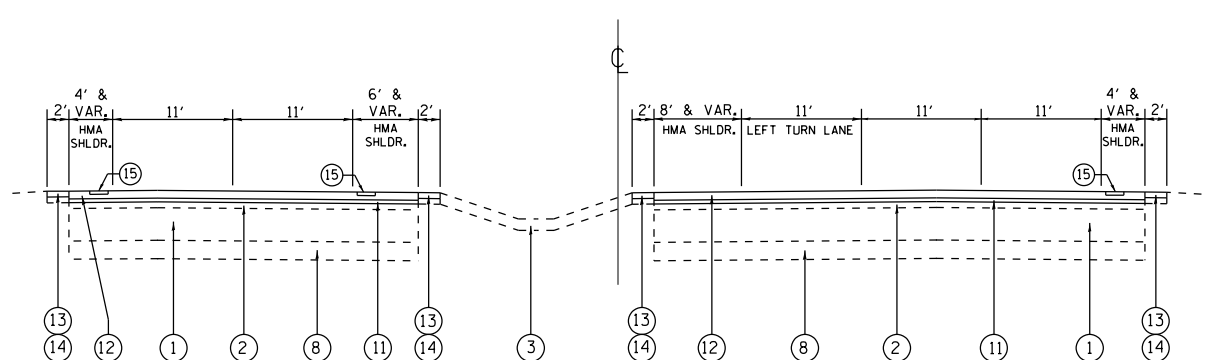
EXISTING TYPICAL CROSS SECTION
 STA. 36+02 TO STA. 81+56
 STA. 105+51 TO STA. 108+87
 STA. 145+81 TO STA. 153+49
 STA. 158+82 TO STA. 174+35
 STA. 183+82 TO STA. 193+63
 STA. 237+59 TO STA. 253+87
 STA. 265+39 TO STA. 269+58
 STA. 272+63 TO STA. 281+50



PROPOSED TYPICAL CROSS SECTION
 STA. 36+02 TO STA. 81+56
 STA. 105+51 TO STA. 108+87
 STA. 145+81 TO STA. 153+49
 STA. 158+82 TO STA. 174+35
 STA. 183+82 TO STA. 193+63
 STA. 237+59 TO STA. 253+87
 STA. 265+39 TO STA. 269+58
 STA. 272+63 TO STA. 281+50



EXISTING TYPICAL CROSS SECTION
 STA. 81+56 TO STA. 86+36
 STA. 94+16 TO STA. 99+79
 STA. 174+35 TO STA. 179+09



PROPOSED TYPICAL CROSS SECTION
 STA. 81+56 TO STA. 86+36
 STA. 94+16 TO STA. 99+79
 STA. 174+35 TO STA. 179+09

LEGEND:

- ① EXISTING P. C. C. PAVEMENT ±10"
- ② EXISTING HOT-MIX ASPHALT SURFACE, ±6" (AFTER MILLING)
- ③ EXISTING LANDSCAPE MEDIAN
- ④ EXISTING HOT-MIX ASPHALT MEDIAN
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING STABILIZED SUB-BASE
- ⑨ EXISTING RUMBLE STRIPS
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
- ⑬ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑮ PROPOSED SHOULDER RUMBLE STRIPS (8" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)

FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

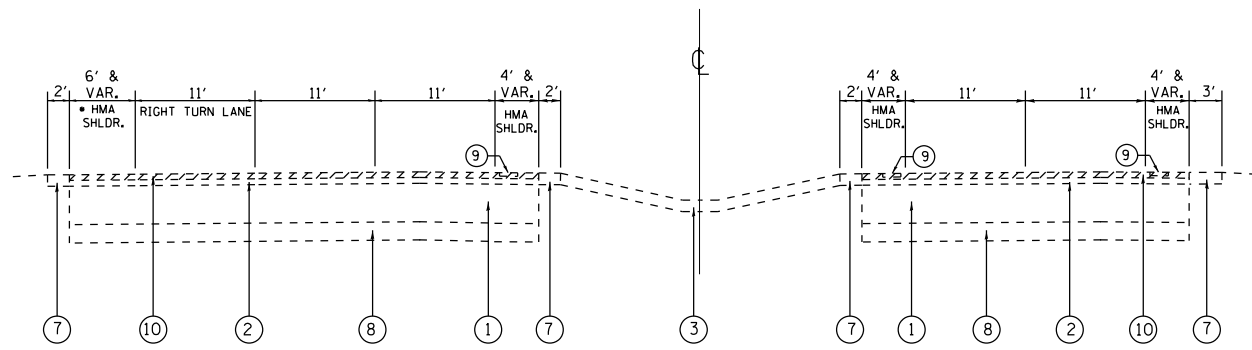
**EXISTING AND PROPOSED TYPICAL SECTIONS
 FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	6
			CONTRACT NO. 62C44	
ILLINOIS FED. AID PROJECT				

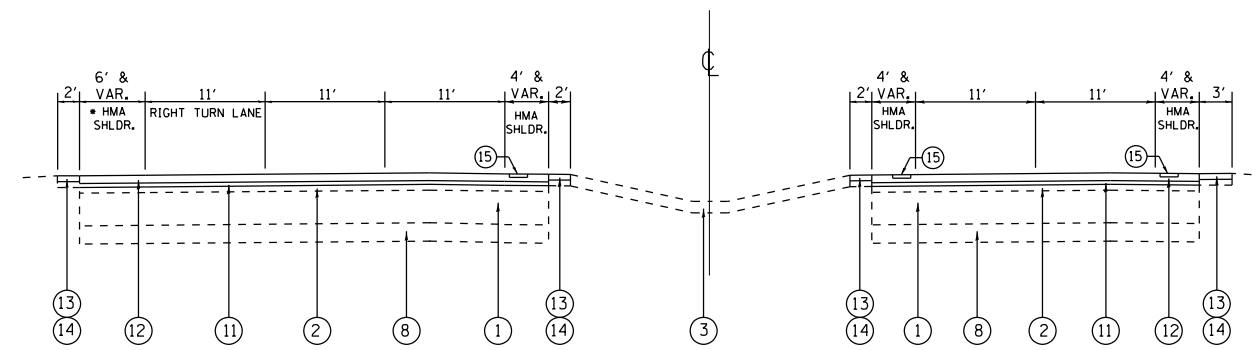
LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
- ② EXISTING HOT-MIX ASPHALT SURFACE, ±6" (AFTER MILLING)
- ③ EXISTING LANDSCAPE MEDIAN
- ④ EXISTING HOT-MIX ASPHALT MEDIAN
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING STABILIZED SUB-BASE
- ⑨ EXISTING RUMBLE STRIPS
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
- ⑬ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑮ PROPOSED SHOULDER RUMBLE STRIPS (8" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)



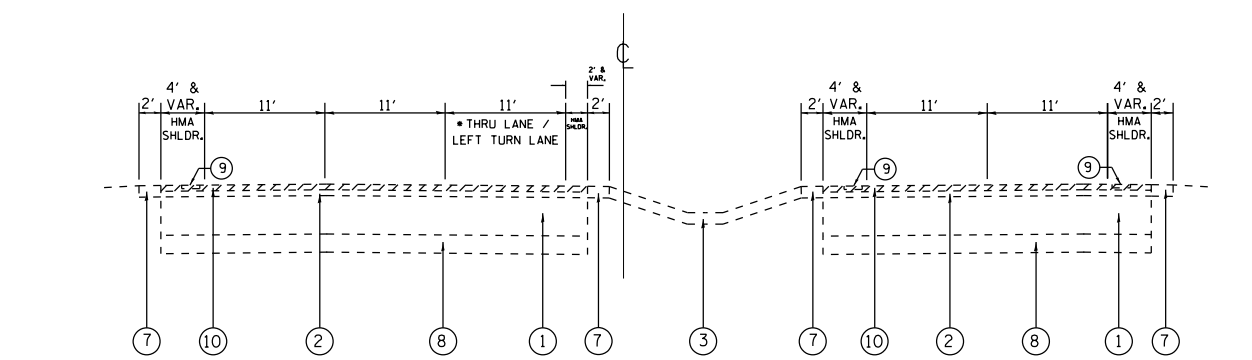
LEGEND:
* CURB AND GUTTER TYPE B-6.12
STA. 91+50 TO 92+46

EXISTING TYPICAL CROSS SECTION
STA. 86+36 TO STA. 94+16
STA. 99+79 TO STA. 105+51
STA. 132+00 TO STA. 135+65
STA. 139+76 TO STA. 145+81
STA. 179+09 TO STA. 183+82



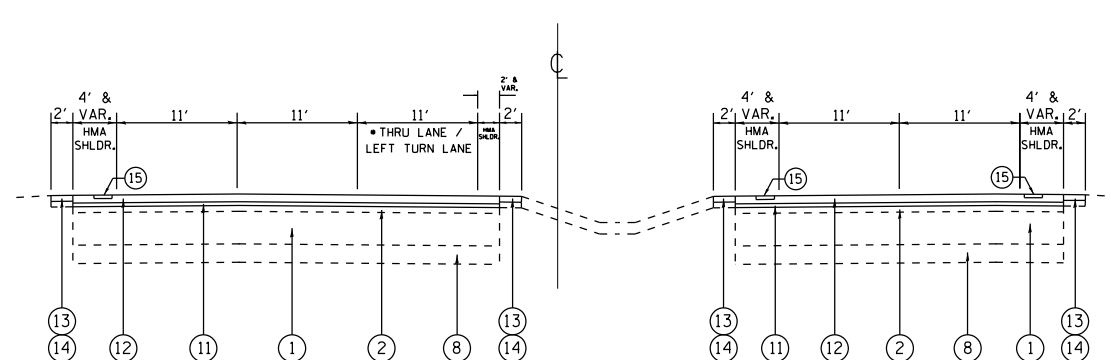
LEGEND:
* CURB AND GUTTER TYPE B-6.12
STA. 91+50 TO 92+46

PROPOSED TYPICAL CROSS SECTION
STA. 86+36 TO STA. 94+16
STA. 99+79 TO STA. 105+51
STA. 132+00 TO STA. 135+65
STA. 139+76 TO STA. 145+81
STA. 179+09 TO STA. 183+82



LEGEND:
* EXIST. THRU LANE
STA. 112+57 TO 123+58
EXIST. LEFT TURN LANE
STA. 206+93 TO 231+36

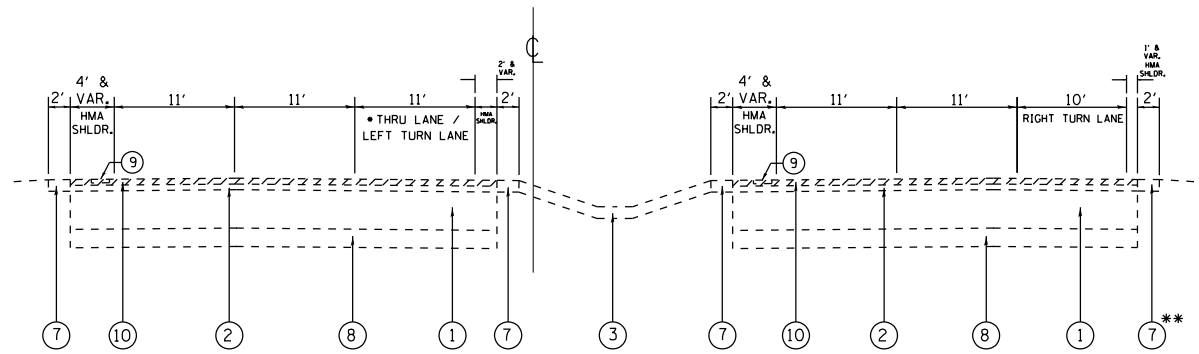
EXISTING TYPICAL CROSS SECTION
STA. 108+87 TO STA. 123+58
STA. 206+13 TO STA. 221+04
STA. 223+95 TO STA. 233+18



LEGEND:
* PROP. THRU LANE
STA. 112+57 TO 123+58
PROP. LEFT TURN LANE
STA. 206+93 TO 231+36

PROPOSED TYPICAL CROSS SECTION
STA. 108+87 TO STA. 123+58
STA. 206+13 TO STA. 221+04
STA. 223+95 TO STA. 233+18

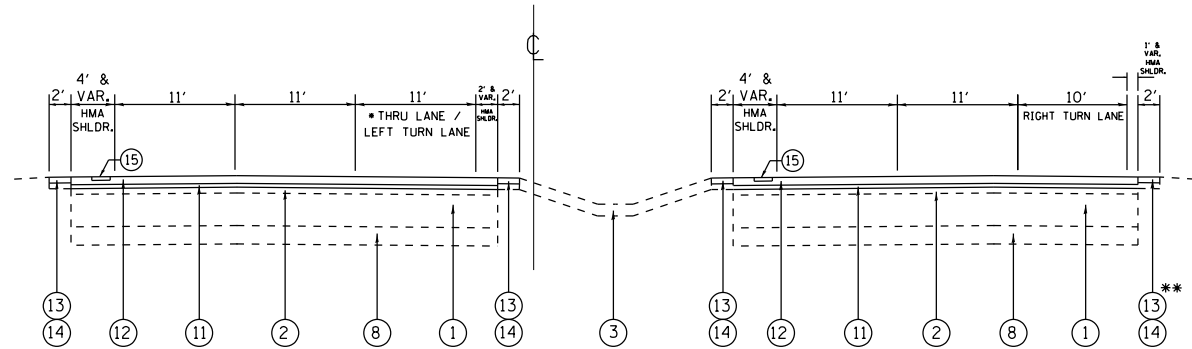
FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\1135116\Design\1135116-shr-plan.dgn	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -			846	4R-RS-10	WILL	38	7	
Default	PLOT DATE = 2/14/2017	DATE -	REVISED -			CONTRACT NO. 62C44					
						ILLINOIS FED. AID PROJECT					



EXISTING TYPICAL CROSS SECTION
STA. 123+58 TO STA. 127+90
STA. 221+04 TO STA. 223+95

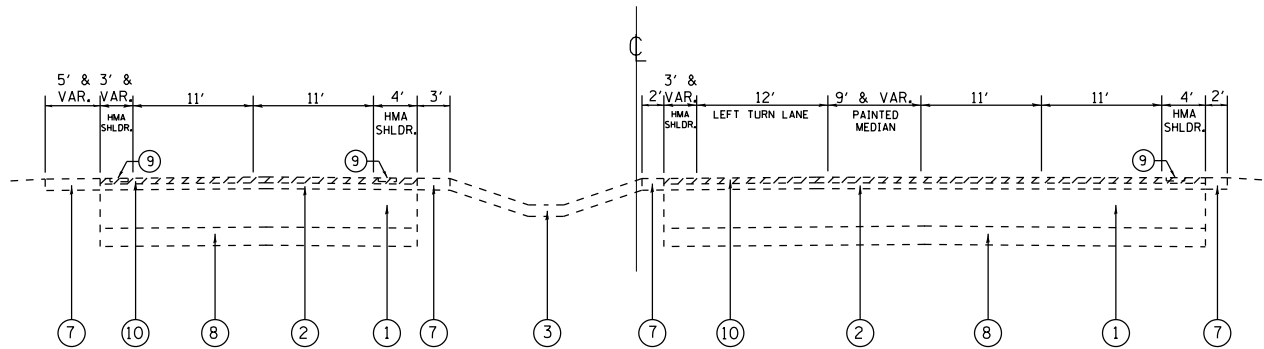
LEGEND:
* EXIST. THRU LANE
STA. 123+58 TO 127+18
EXIST. LEFT TURN LANE
STA. 221+04 TO 223+15
** CURB AND GUTTER TYPE B-6.12
STA. 222+81 TO 223+54

- LEGEND:**
- ① EXISTING P.C.C. PAVEMENT ±10"
 - ② EXISTING HOT-MIX ASPHALT SURFACE, ±6" (AFTER MILLING)
 - ③ EXISTING LANDSCAPE MEDIAN
 - ④ EXISTING HOT-MIX ASPHALT MEDIAN
 - ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
 - ⑦ EXISTING AGGREGATE SHOULDER
 - ⑧ EXISTING STABILIZED SUB-BASE
 - ⑨ EXISTING RUMBLE STRIPS
 - ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
 - ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
 - ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
 - ⑬ PROPOSED GRADING AND SHAPING SHOULDERS
 - ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
 - ⑮ PROPOSED SHOULDER RUMBLE STRIPS (8" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT
(AS DIRECTED BY THE ENGINEER)

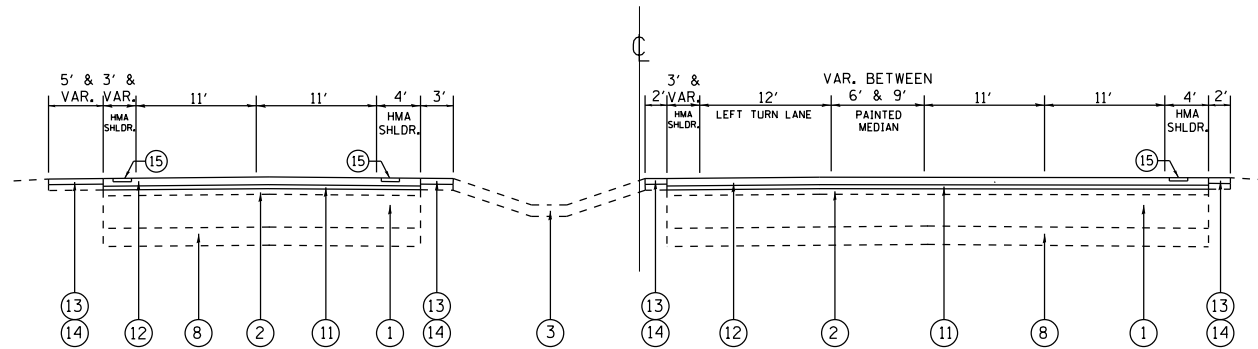


PROPOSED TYPICAL CROSS SECTION
STA. 123+58 TO STA. 127+90
STA. 221+04 TO STA. 223+95

LEGEND:
* PROP. THRU LANE
STA. 123+58 TO 127+18
PROP. LEFT TURN LANE
STA. 221+04 TO 223+15
** CURB AND GUTTER TYPE B-6.12
STA. 222+81 TO 223+54

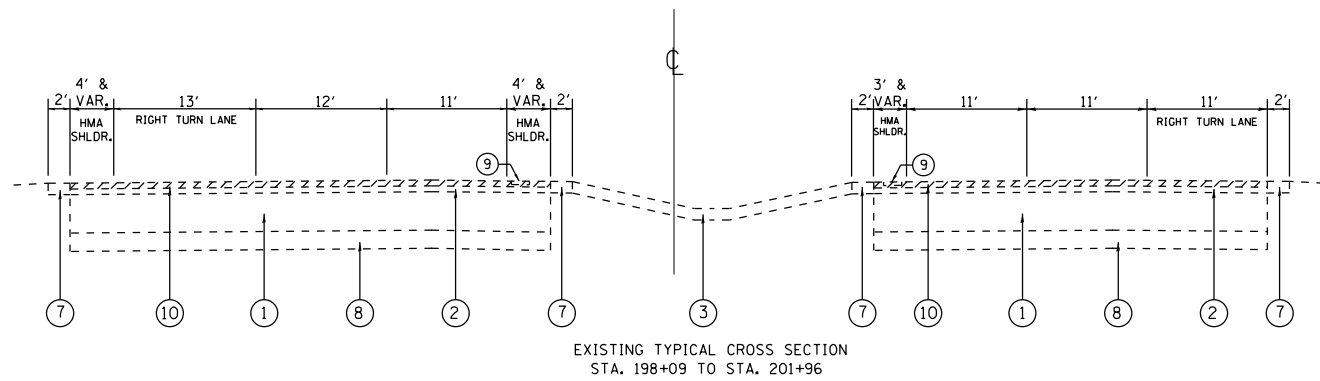


EXISTING TYPICAL CROSS SECTION
STA. 135+65 TO STA. 139+76
STA. 193+63 TO STA. 198+09

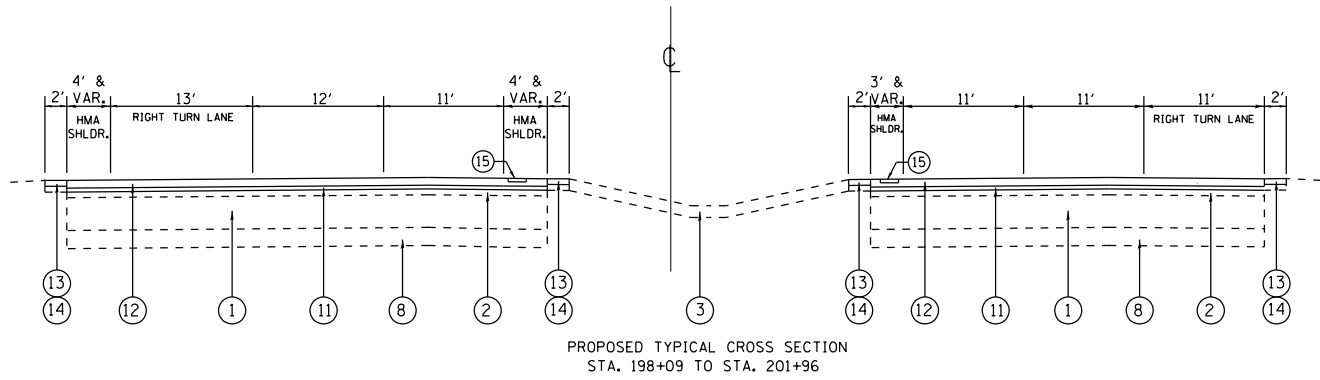


PROPOSED TYPICAL CROSS SECTION
STA. 135+65 TO STA. 139+76
STA. 193+63 TO STA. 198+09

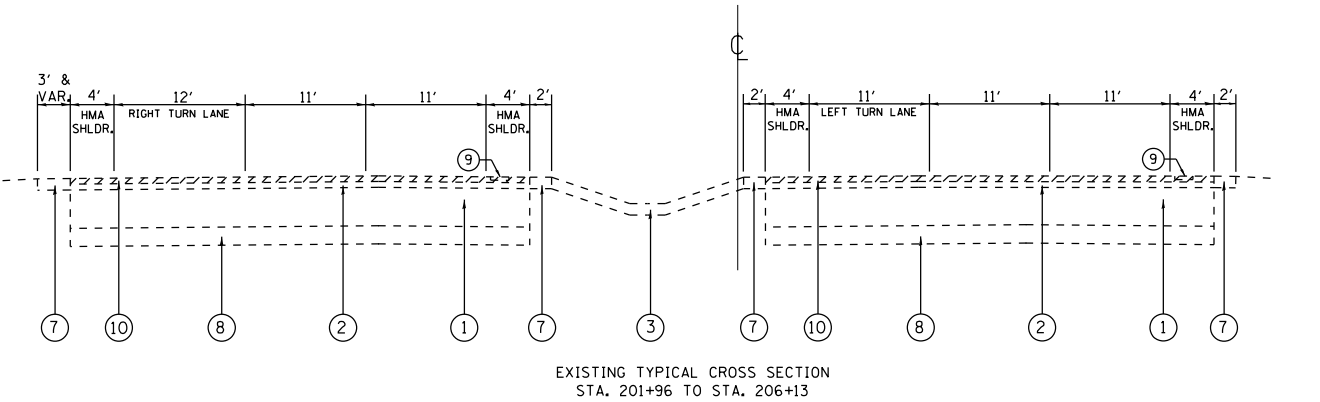
FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.	F.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
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Default	PLOT DATE = 2/14/2017	DATE -	REVISED -			CONTRACT NO. 62C44					
						ILLINOIS FED. AID PROJECT					



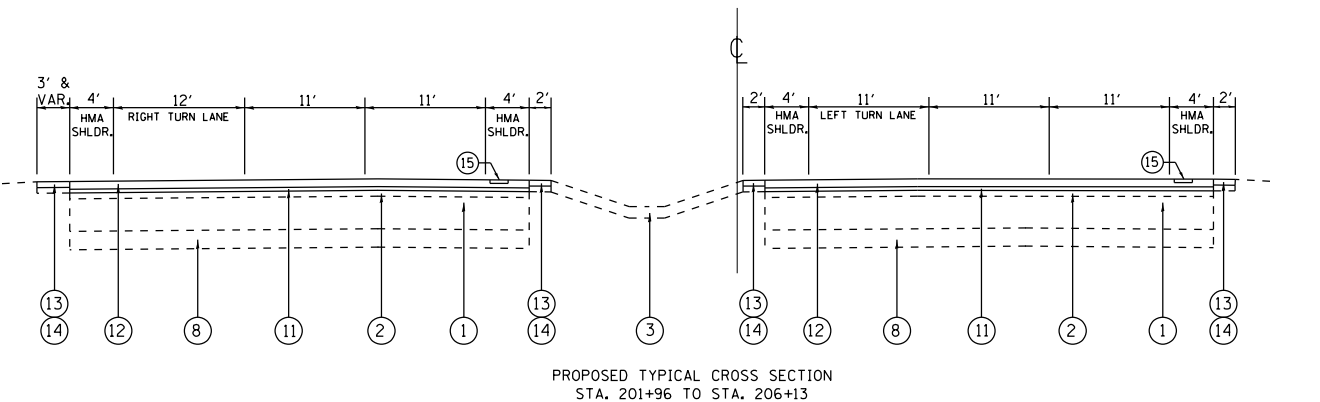
EXISTING TYPICAL CROSS SECTION
STA. 198+09 TO STA. 201+96



PROPOSED TYPICAL CROSS SECTION
STA. 198+09 TO STA. 201+96



EXISTING TYPICAL CROSS SECTION
STA. 201+96 TO STA. 206+13



PROPOSED TYPICAL CROSS SECTION
STA. 201+96 TO STA. 206+13

LEGEND:

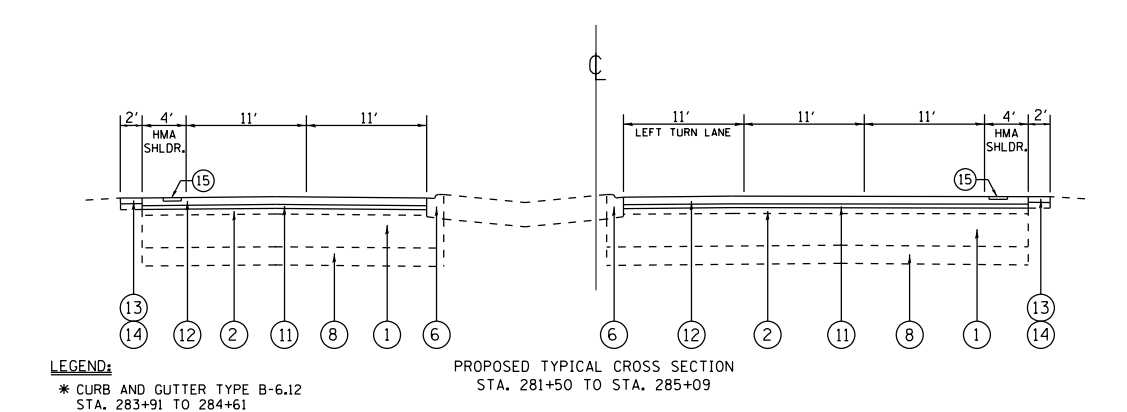
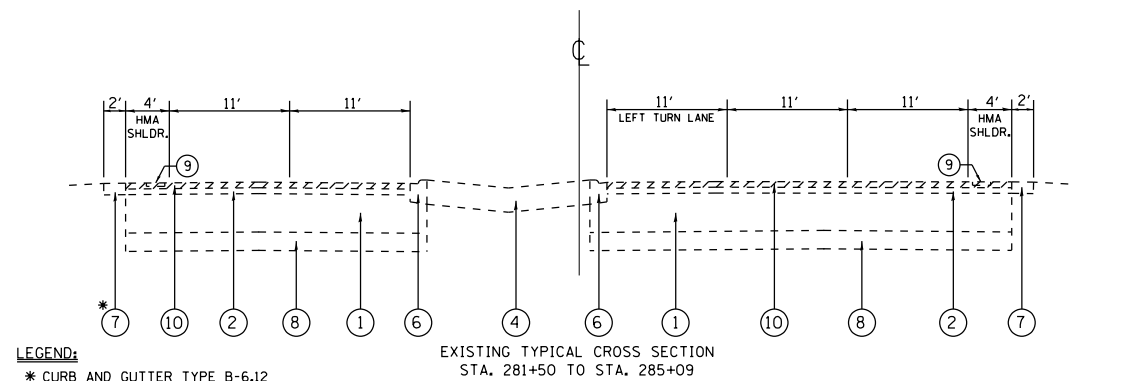
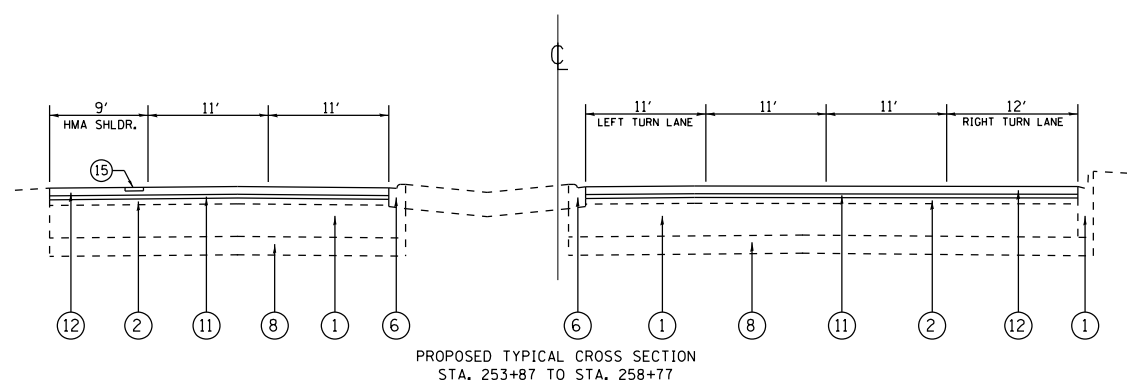
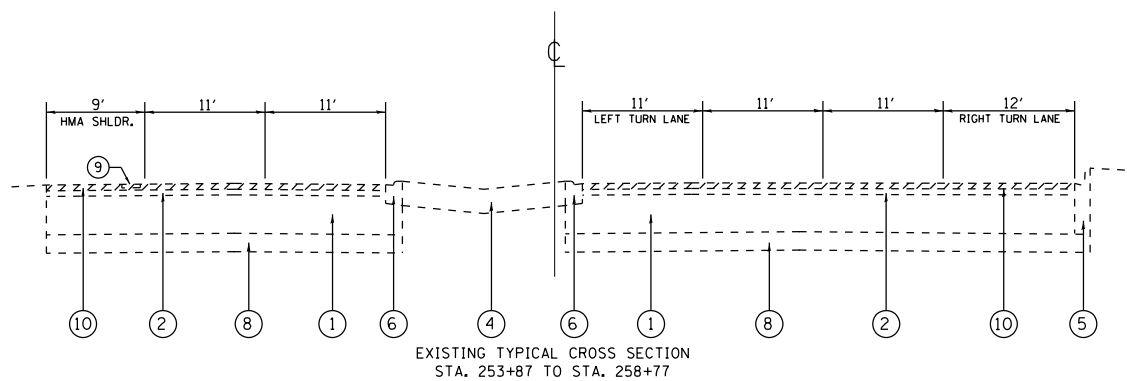
- ① EXISTING P.C.C. PAVEMENT ±10"
- ② EXISTING HOT-MIX ASPHALT SURFACE, ±6" (AFTER MILLING)
- ③ EXISTING LANDSCAPE MEDIAN
- ④ EXISTING HOT-MIX ASPHALT MEDIAN
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING STABILIZED SUB-BASE
- ⑨ EXISTING RUMBLE STRIPS
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1½"
- ⑬ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑮ PROPOSED SHOULDER RUMBLE STRIPS (8" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)

FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -
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Default	PLOT DATE = 2/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.

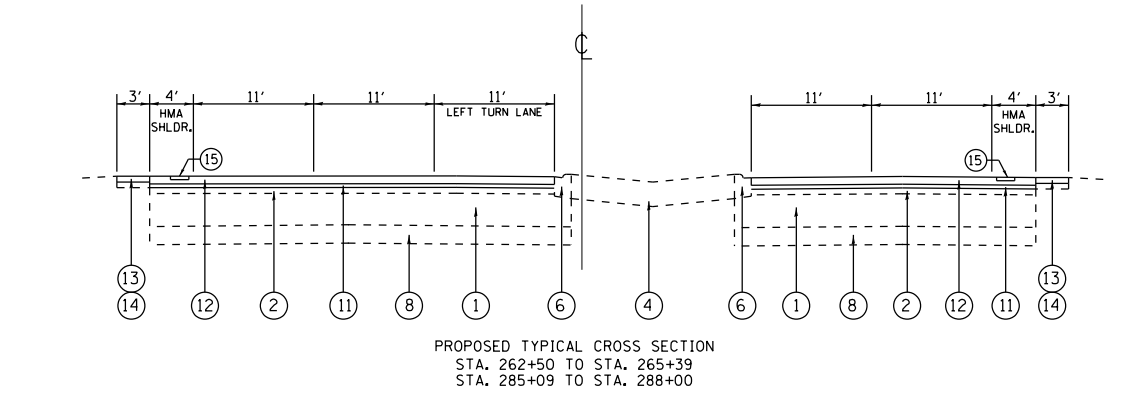
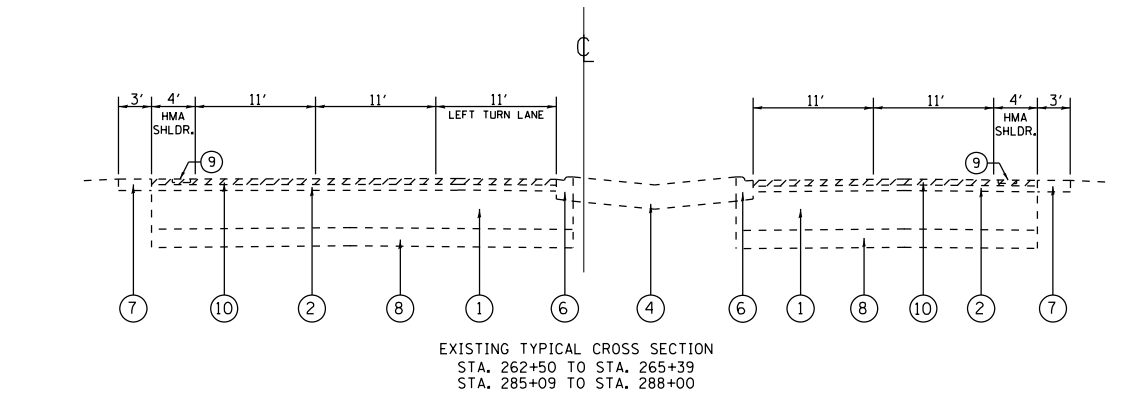
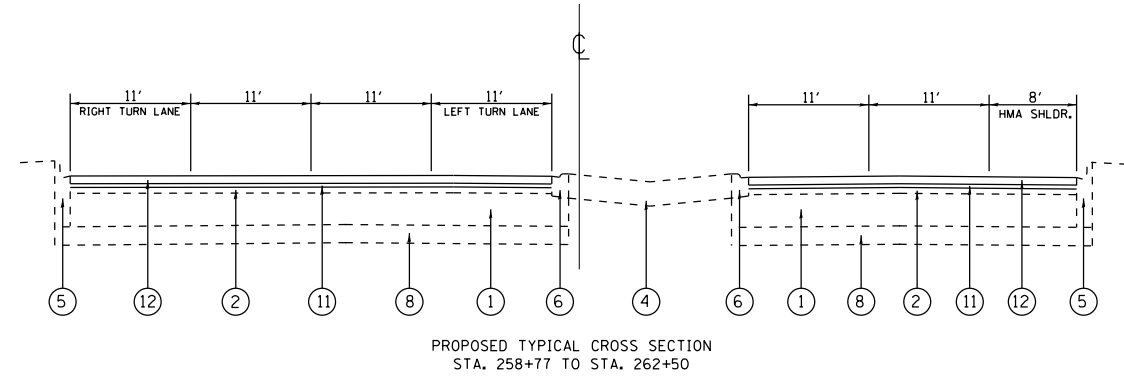
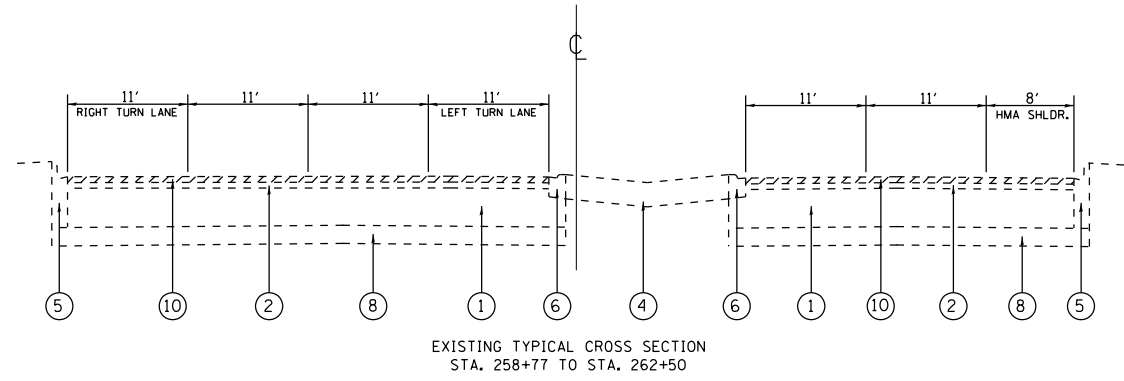
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	9
SCALE:			CONTRACT NO. 62C44	
SHEET	OF	SHEETS	STA.	TO STA.
				ILLINOIS FED. AID PROJECT



LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
- ② EXISTING HOT-MIX ASPHALT SURFACE, ±6" (AFTER MILLING)
- ③ EXISTING LANDSCAPE MEDIAN
- ④ EXISTING HOT-MIX ASPHALT MEDIAN
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑦ EXISTING AGGREGATE SHOULDER
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- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
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- ⑬ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑮ PROPOSED SHOULDER RUMBLE STRIPS (8" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)

FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLotted DATE = 2/14/2017	DATE -	REVISED -			CONTRACT NO. 62C44					
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LEGEND:

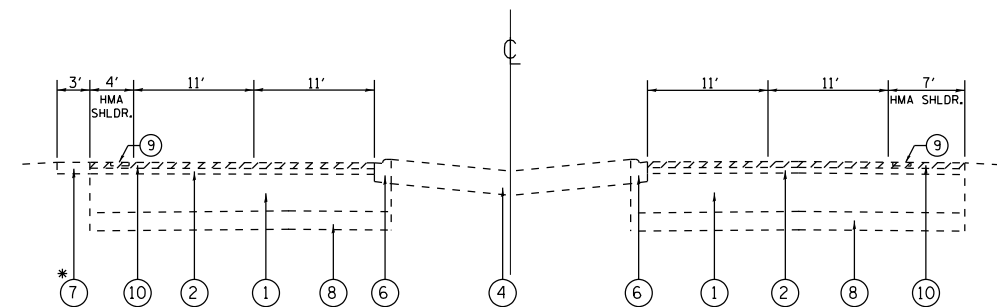
- ① EXISTING P. C. C. PAVEMENT ±10"
- ② EXISTING HOT-MIX ASPHALT SURFACE, ±6" (AFTER MILLING)
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- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)

FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -
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	PLOT DATE = 2/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS			
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

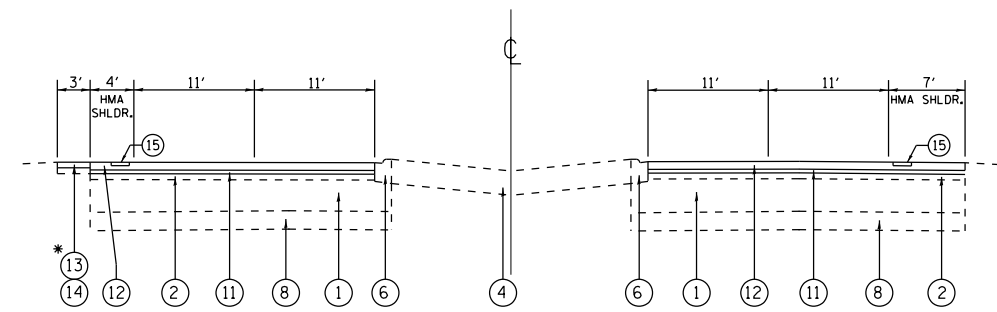
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	11
			CONTRACT NO. 62C44	
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL CROSS SECTION
STA. 288+00 TO STA. 289+87

LEGEND:

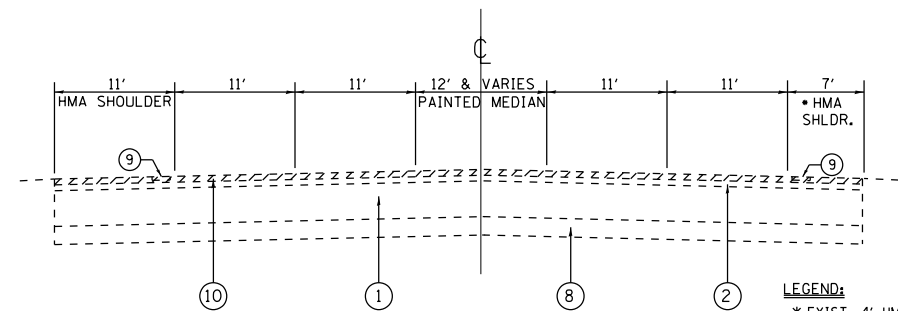
* EXIST. HMA SHLDR. (10' WIDE)
STA. 288+94 TO 289+87



PROPOSED TYPICAL CROSS SECTION
STA. 288+00 TO STA. 289+87

LEGEND:

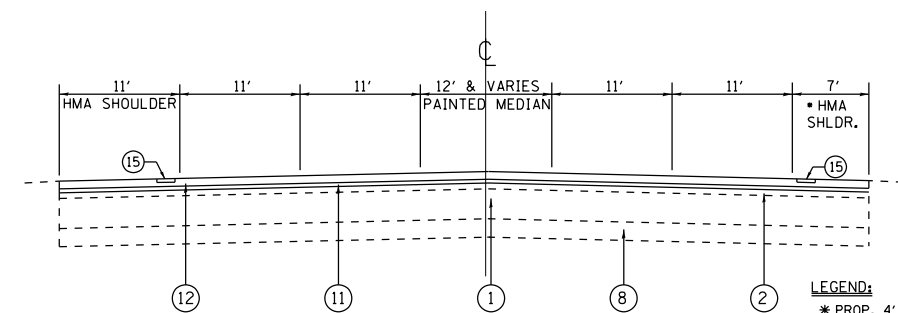
* PROP. HMA SHLDR. (10' WIDE)
STA. 288+94 TO 289+87



EXISTING TYPICAL CROSS SECTION
STA. 289+87 TO 293+00

LEGEND:

* EXIST. 4' HMA SHLDR./ 2' AGG. SHLDR.
STA. 291+99 TO 293+00



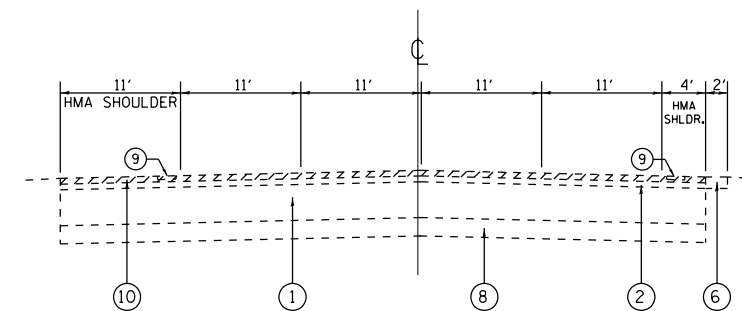
PROPOSED TYPICAL CROSS SECTION
STA. 289+87 TO 293+00

LEGEND:

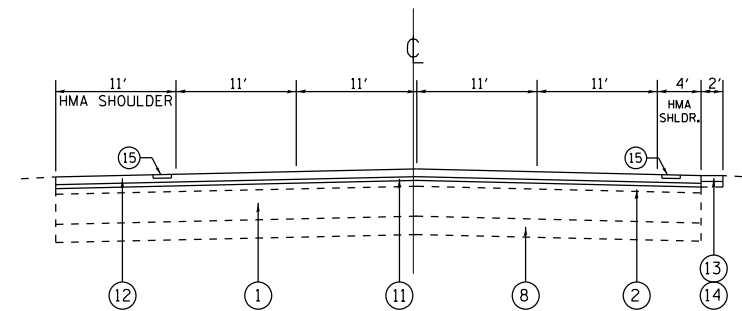
* PROP. 4' HMA SHLDR./ 2' AGG. SHLDR.
STA. 291+99 TO 293+00

LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
 - ② EXISTING HOT-MIX ASPHALT SURFACE, ±6" (AFTER MILLING)
 - ③ EXISTING LANDSCAPE MEDIAN
 - ④ EXISTING HOT-MIX ASPHALT MEDIAN
 - ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
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 - ⑨ EXISTING RUMBLE STRIPS
 - ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
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 - ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
 - ⑮ PROPOSED SHOULDER RUMBLE STRIPS (8" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT
(AS DIRECTED BY THE ENGINEER)



EXISTING TYPICAL CROSS SECTION
STA. 293+00 TO 295+95



EXISTING TYPICAL CROSS SECTION
STA. 293+00 TO 295+95

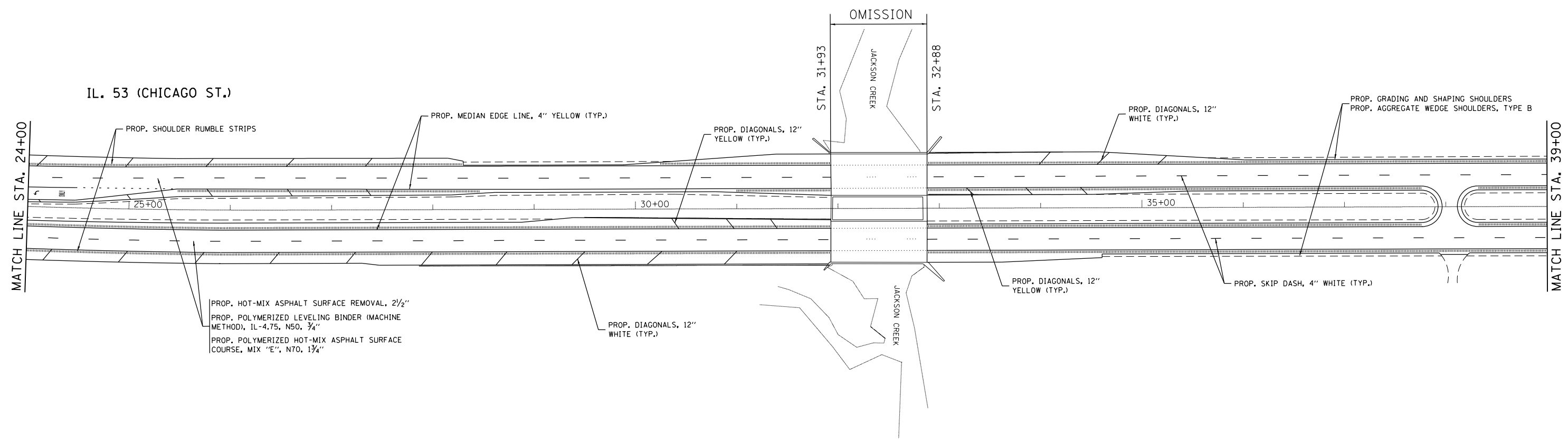
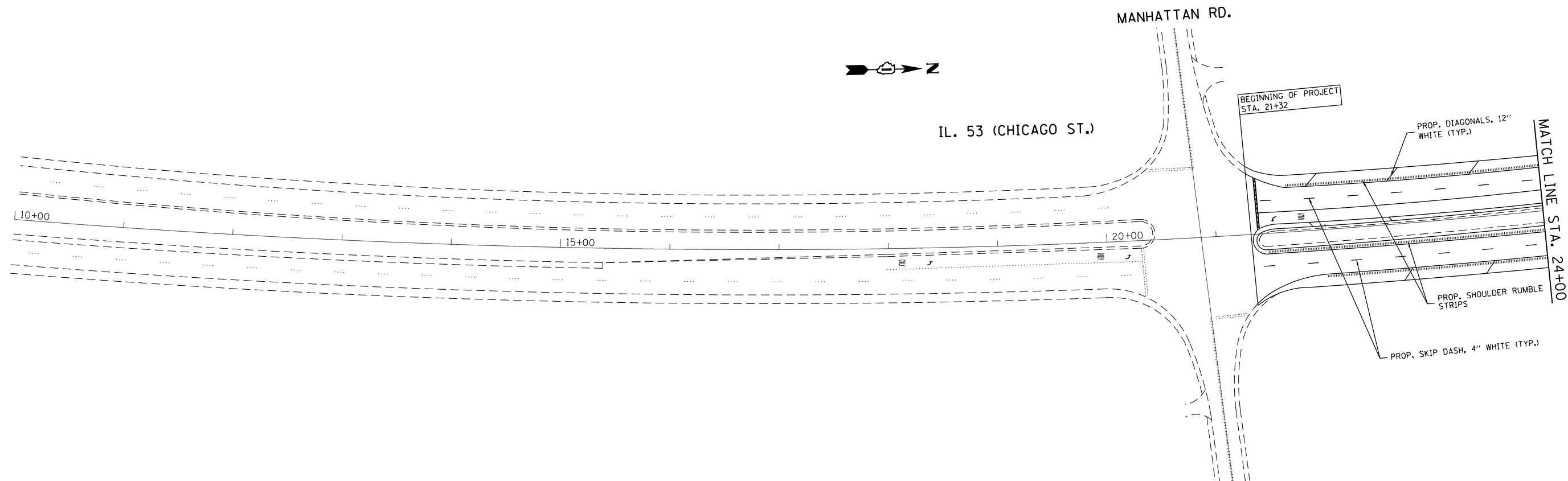
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	12
			CONTRACT NO. 62C44	
ILLINOIS FED. AID PROJECT				



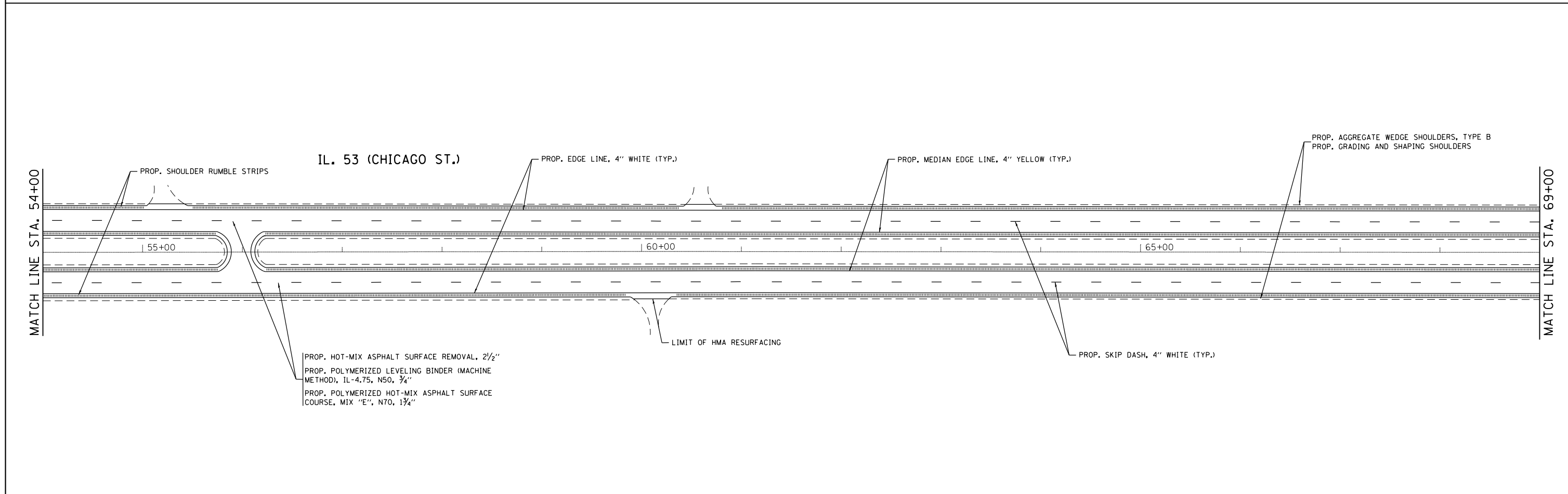
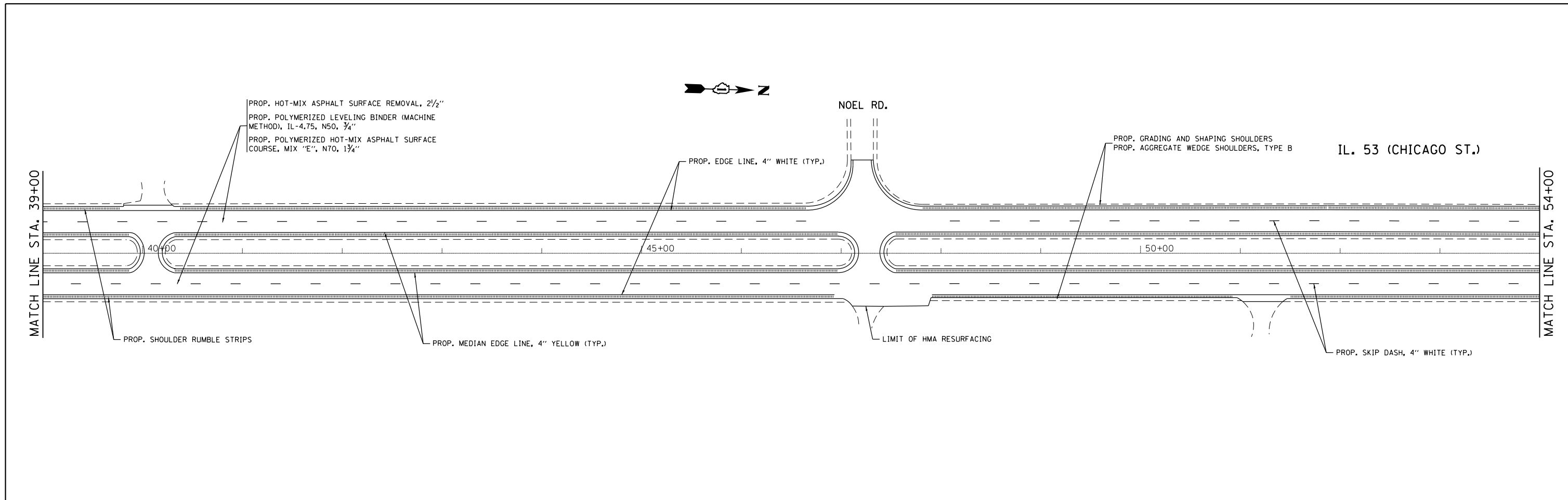
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

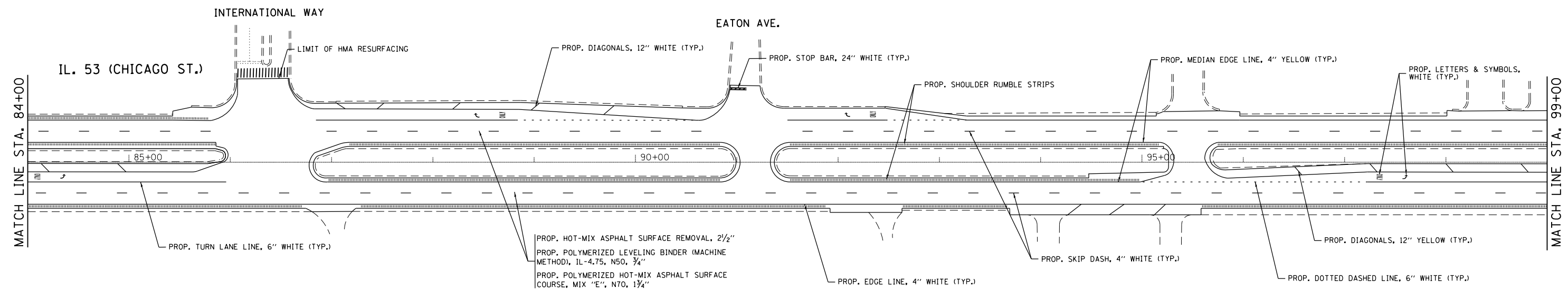
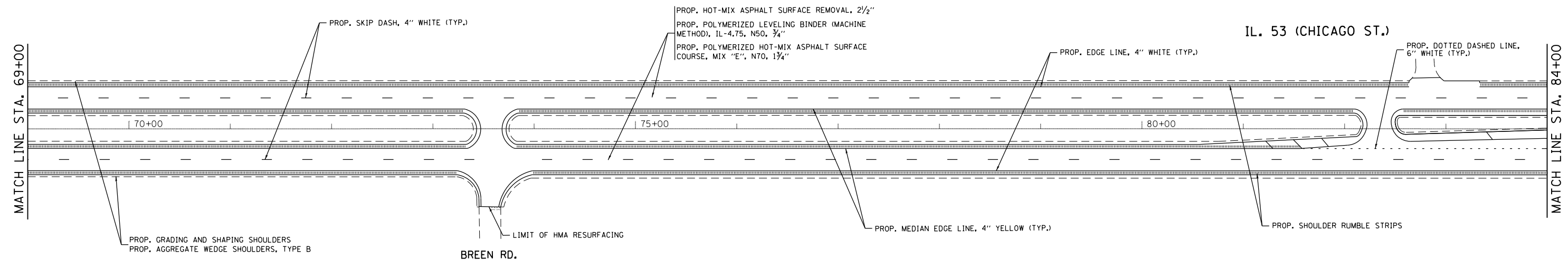
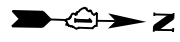
**ROADWAY AND PAVEMENT MARKING PLAN
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	13
			CONTRACT NO. 62C44	
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.



FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI35116\Drawings\Design\DI35116-shr-plan.dgn		DRAWN -	REVISED -		FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.			846	4R-RS-10	WILL	38	14	
Default		CHECKED -	REVISED -		SCALE: 1"= 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62C44	
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

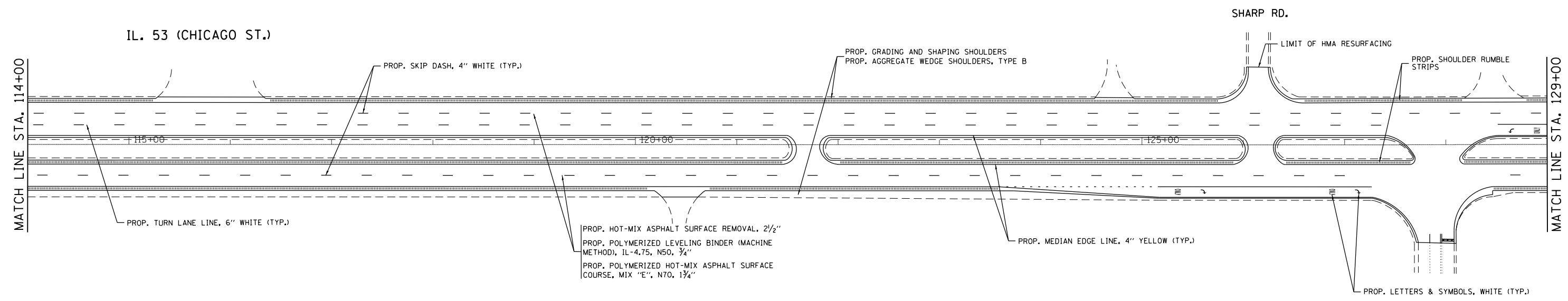
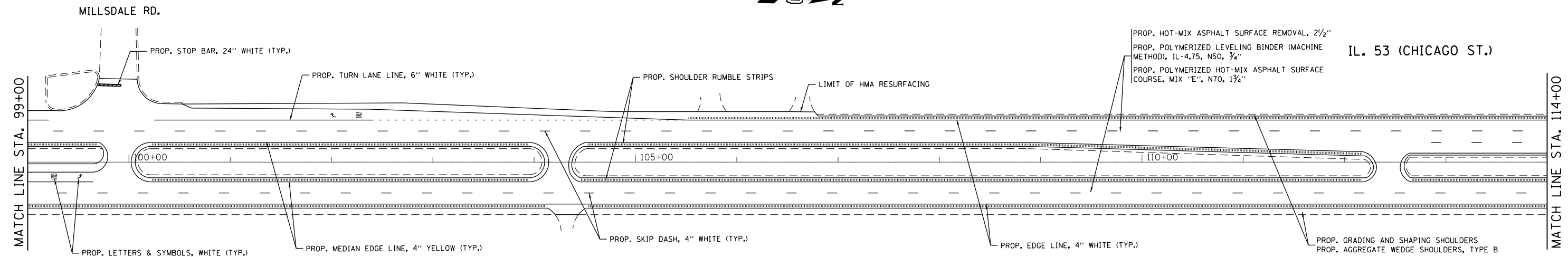


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	PLOT DATE = 2/15/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.
 SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	15
			CONTRACT NO. 62C44	
ILLINOIS FED. AID PROJECT				



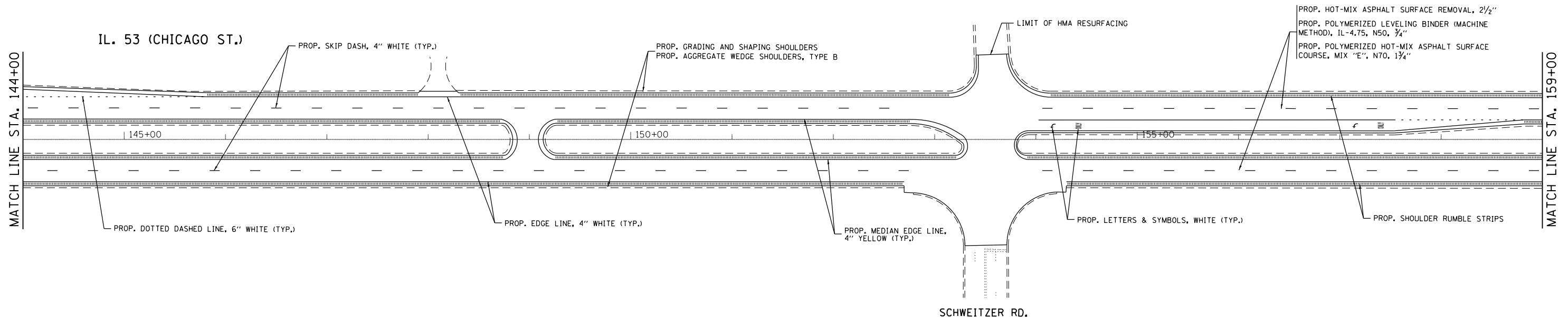
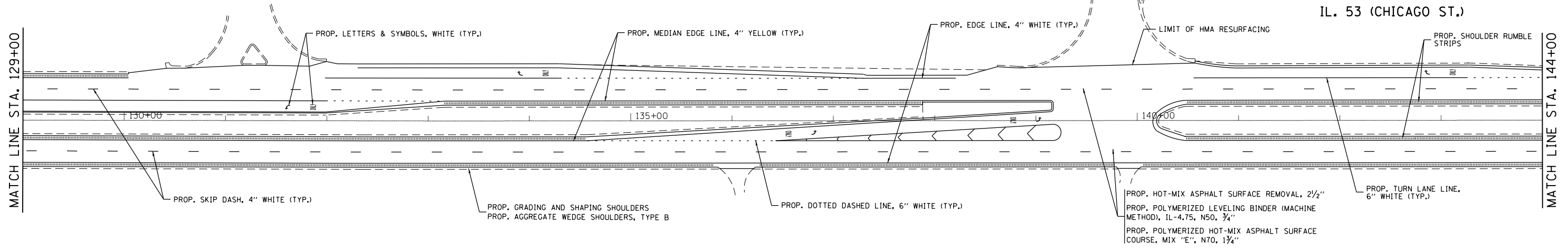
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	PLOT DATE = 2/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	16
CONTRACT NO. 62C44			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.



FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -
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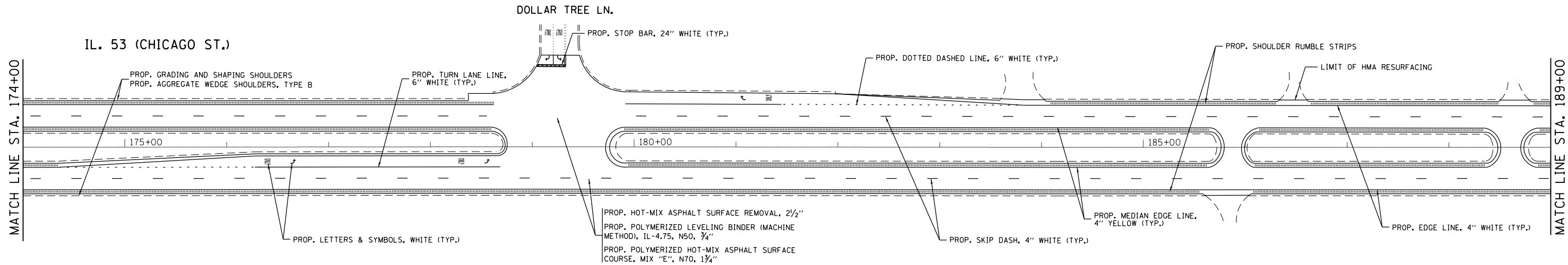
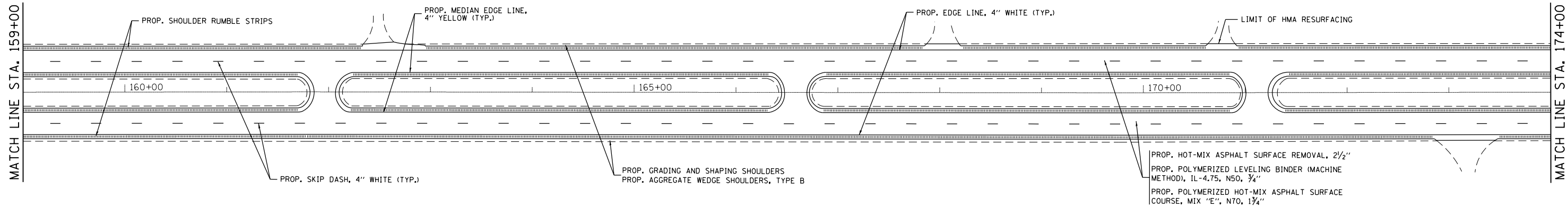
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	17
CONTRACT NO. 62C44				
ILLINOIS FED. AID PROJECT				



IL. 53 (CHICAGO ST.)



FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -
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	PLOT DATE = 2/14/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

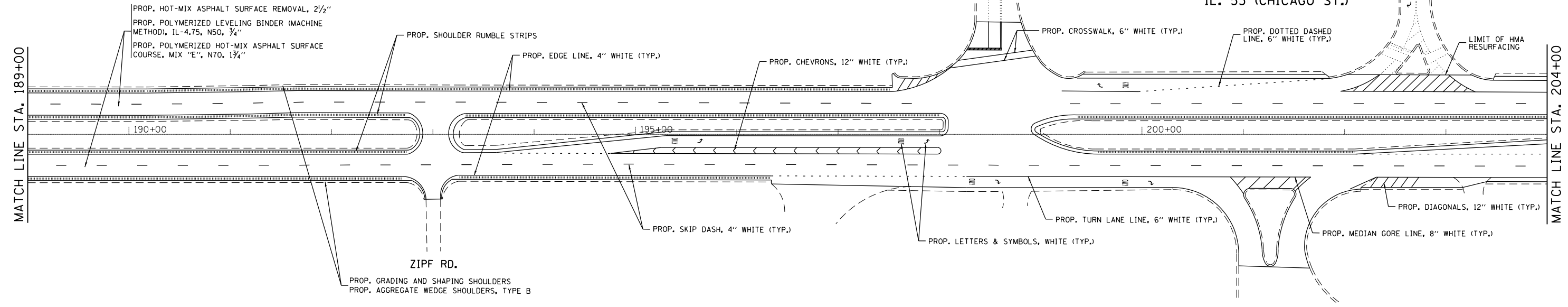
ROADWAY AND PAVEMENT MARKING PLAN
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.
SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	18
CONTRACT NO. 62C44				
ILLINOIS FED. AID PROJECT				



STONE CITY DR.

IL. 53 (CHICAGO ST.)



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

PROP. SHOULDER RUMBLE STRIPS

PROP. EDGE LINE, 4" WHITE (TYP.)

PROP. CHEVRONS, 12" WHITE (TYP.)

PROP. CROSSWALK, 6" WHITE (TYP.)

PROP. DOTTED DASHED LINE, 6" WHITE (TYP.)

LIMIT OF HMA RESURFACING

190+00

195+00

200+00

MATCH LINE STA. 189+00

MATCH LINE STA. 204+00

ZIPF RD.

PROP. GRADING AND SHAPING SHOULDERS
 PROP. AGGREGATE WEDGE SHOULDERS, TYPE B

PROP. SKIP DASH, 4" WHITE (TYP.)

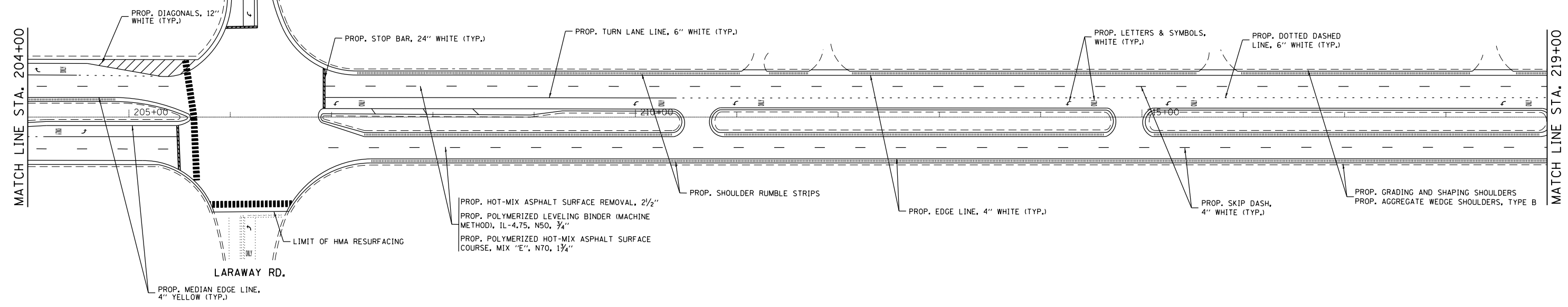
PROP. LETTERS & SYMBOLS, WHITE (TYP.)

PROP. TURN LANE LINE, 6" WHITE (TYP.)

PROP. DIAGONALS, 12" WHITE (TYP.)

PROP. MEDIAN GORE LINE, 8" WHITE (TYP.)

IL. 53 (CHICAGO ST.)



PROP. DIAGONALS, 12" WHITE (TYP.)

PROP. STOP BAR, 24" WHITE (TYP.)

PROP. TURN LANE LINE, 6" WHITE (TYP.)

PROP. LETTERS & SYMBOLS, WHITE (TYP.)

PROP. DOTTED DASHED LINE, 6" WHITE (TYP.)

205+00

210+00

215+00

MATCH LINE STA. 204+00

MATCH LINE STA. 219+00

LARAWAY RD.

PROP. MEDIAN EDGE LINE, 4" YELLOW (TYP.)

LIMIT OF HMA RESURFACING

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

PROP. SHOULDER RUMBLE STRIPS

PROP. EDGE LINE, 4" WHITE (TYP.)

PROP. SKIP DASH, 4" WHITE (TYP.)

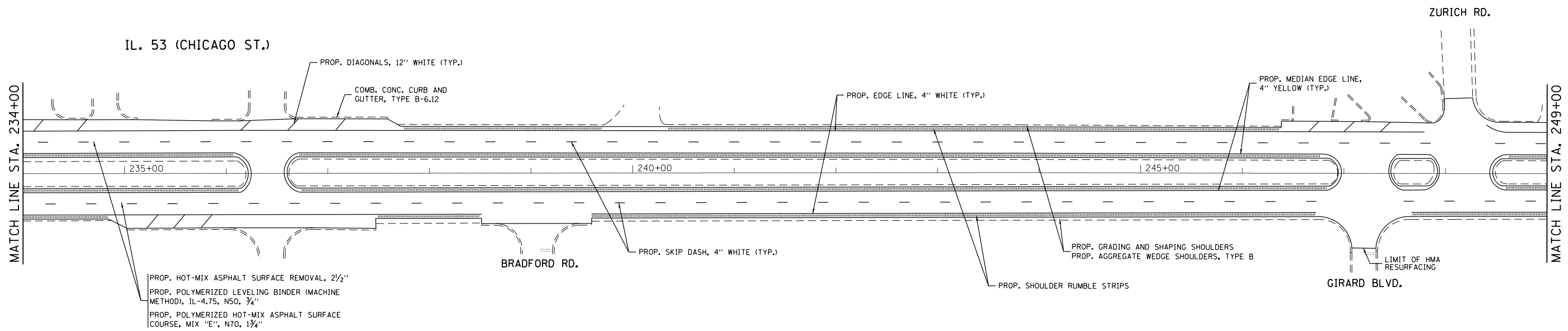
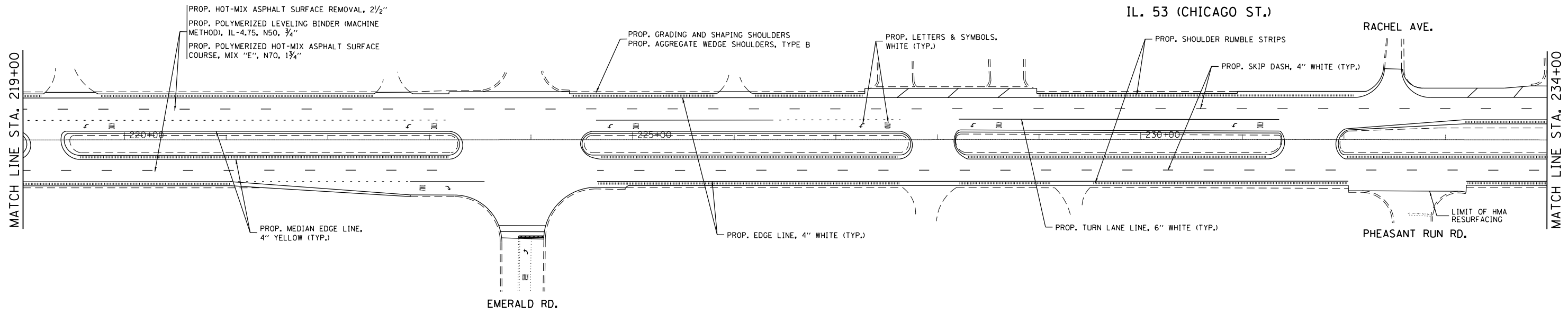
PROP. GRADING AND SHAPING SHOULDERS
 PROP. AGGREGATE WEDGE SHOULDERS, TYPE B

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	PLOT DATE = 2/14/2017	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
 FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.
 SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	19
CONTRACT NO. 62C44				
ILLINOIS FED. AID PROJECT				



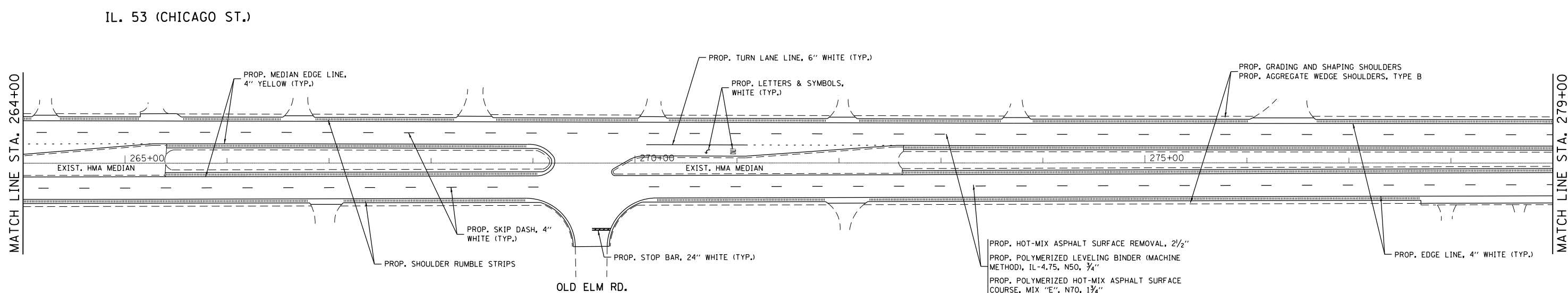
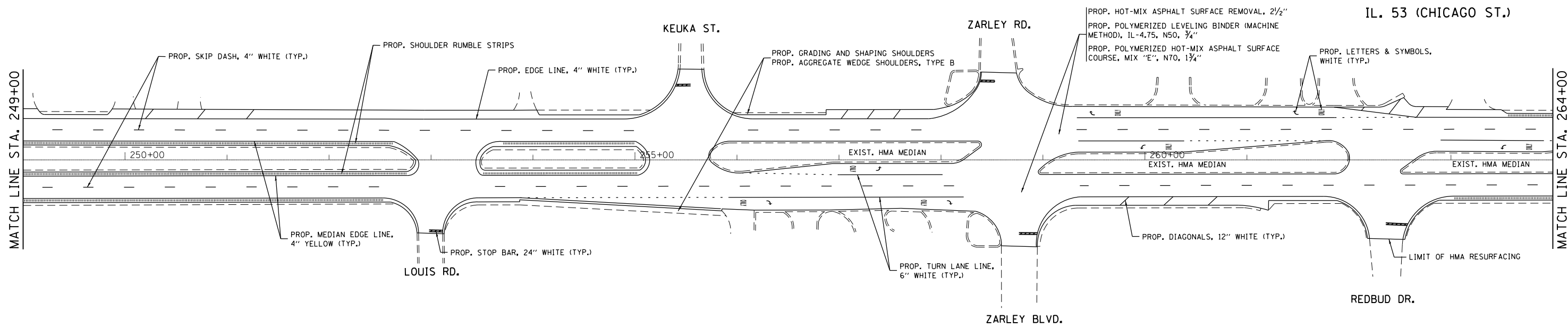
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	PLOT DATE = 2/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	20
CONTRACT NO. 62C44				
ILLINOIS FED. AID PROJECT				



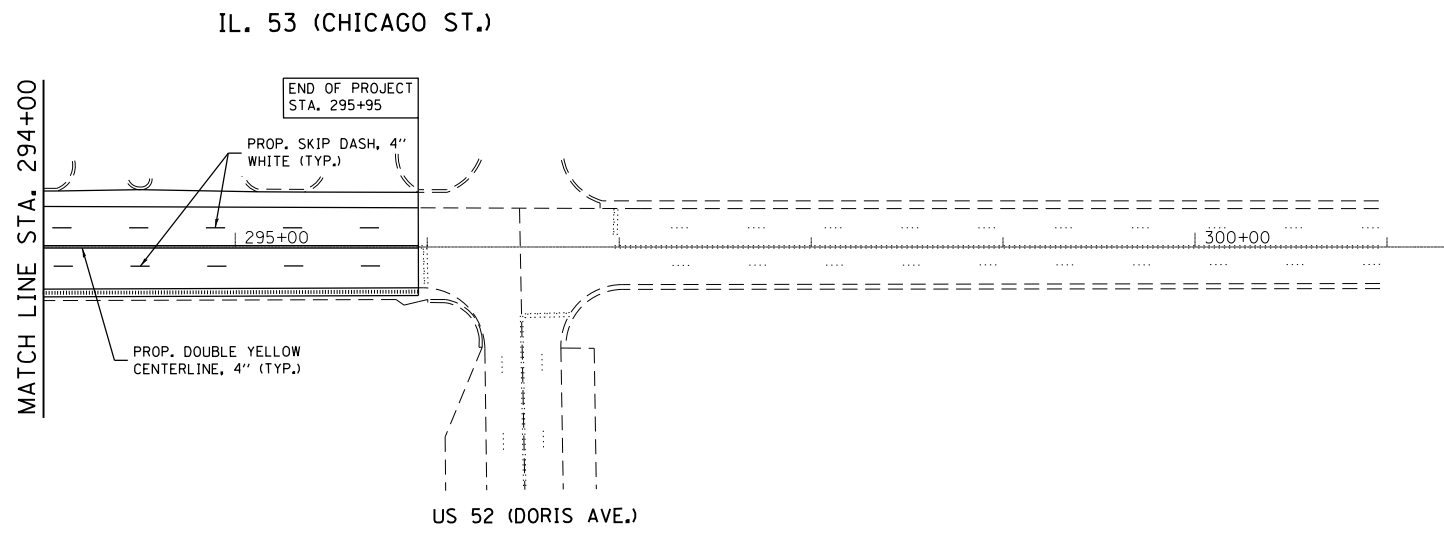
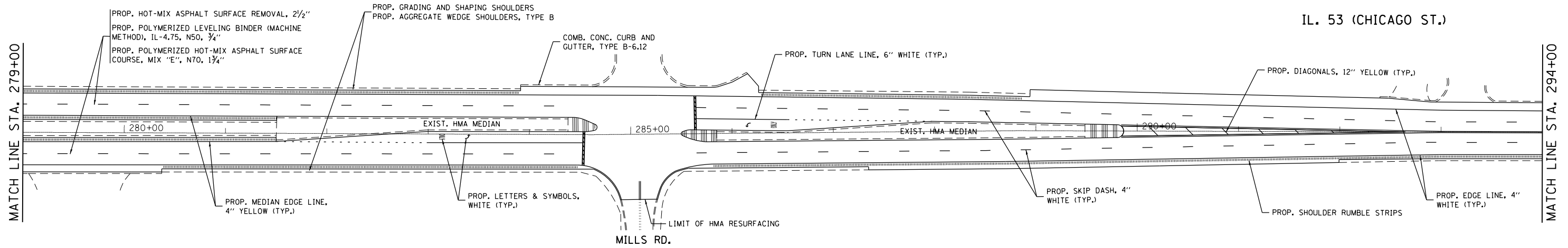
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	21
CONTRACT NO. 62C44				
ILLINOIS FED. AID PROJECT				

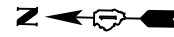


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Default	PLOT DATE = 2/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN
FAP 846 /IL 53 (CHICAGO ST.)—US 52 (DORIS AVE.) TO MANHATTAN RD.
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-RS-10	WILL	38	22
				CONTRACT NO. 62C44
ILLINOIS FED. AID PROJECT				

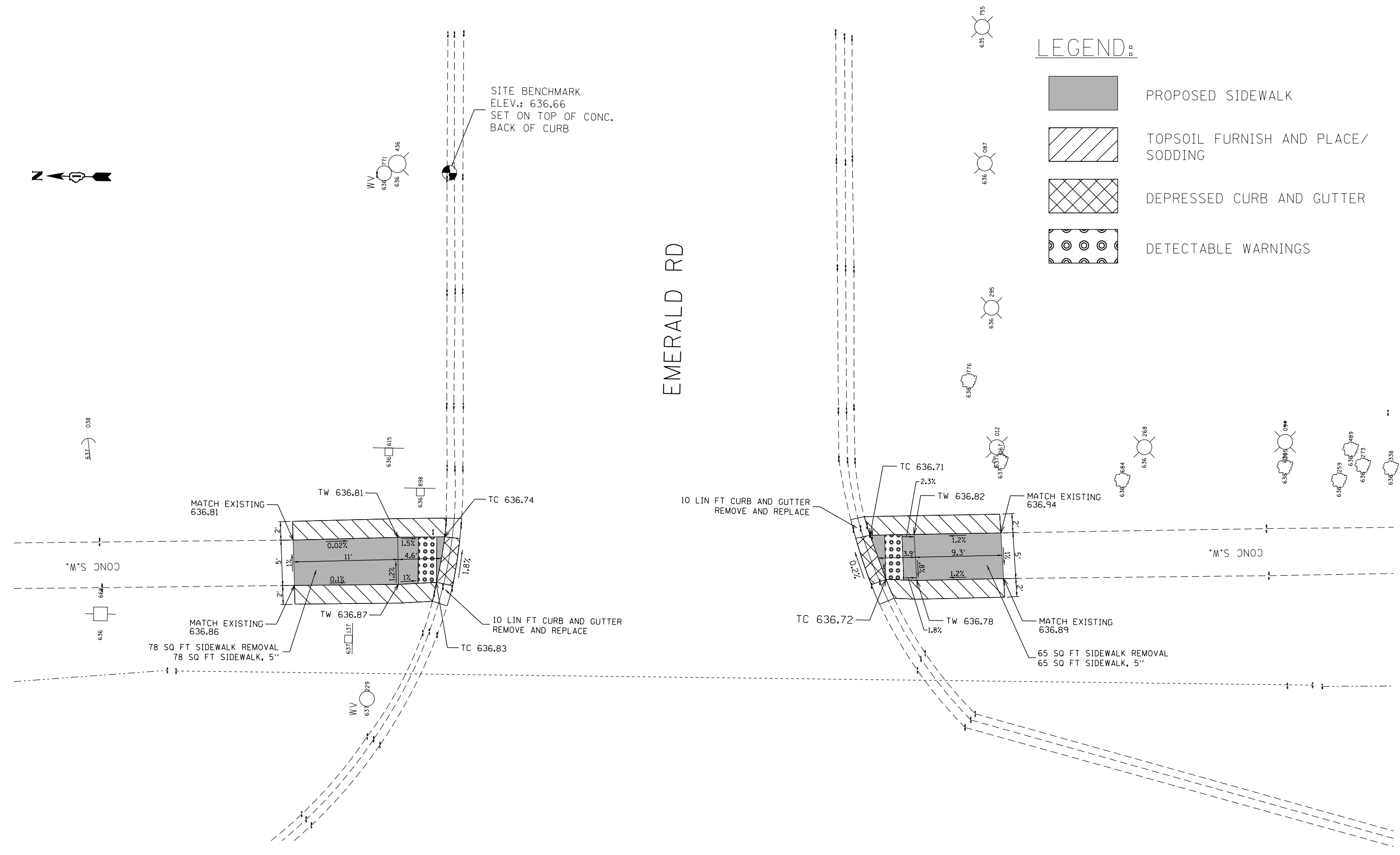


SITE BENCHMARK
ELEV.: 636.66
SET ON TOP OF CONC.
BACK OF CURB

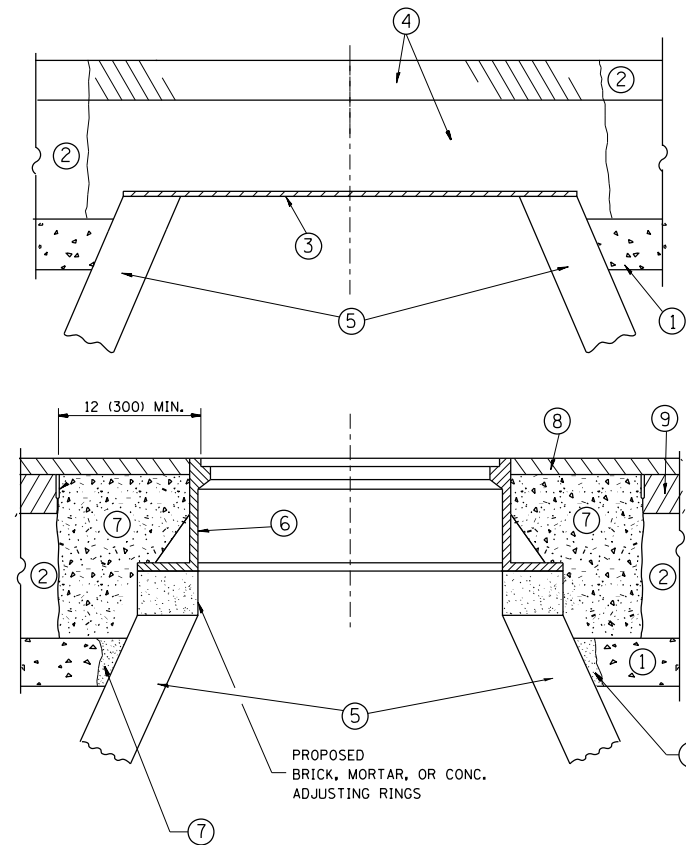
EMERALD RD

LEGEND

-  PROPOSED SIDEWALK
-  TOPSOIL FURNISH AND PLACE/
SODDING
-  DEPRESSED CURB AND GUTTER
-  DETECTABLE WARNINGS



FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK RAMP DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLT SCALE = 10.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62C44	
	PLT DATE = 2/14/2017	DATE -	REVISED -		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

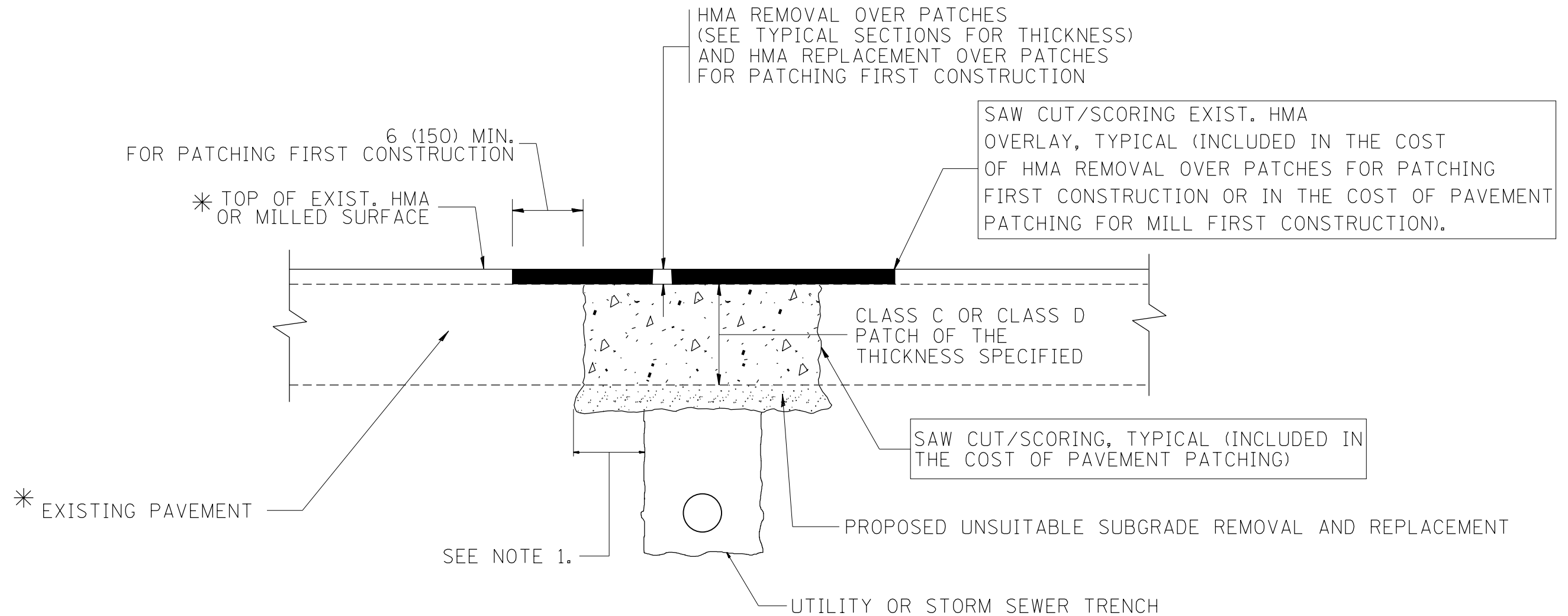
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = STEEDPA	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 2/14/2017	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	24
BD600-03 (BD-8)		CONTRACT NO. 62C44		
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)

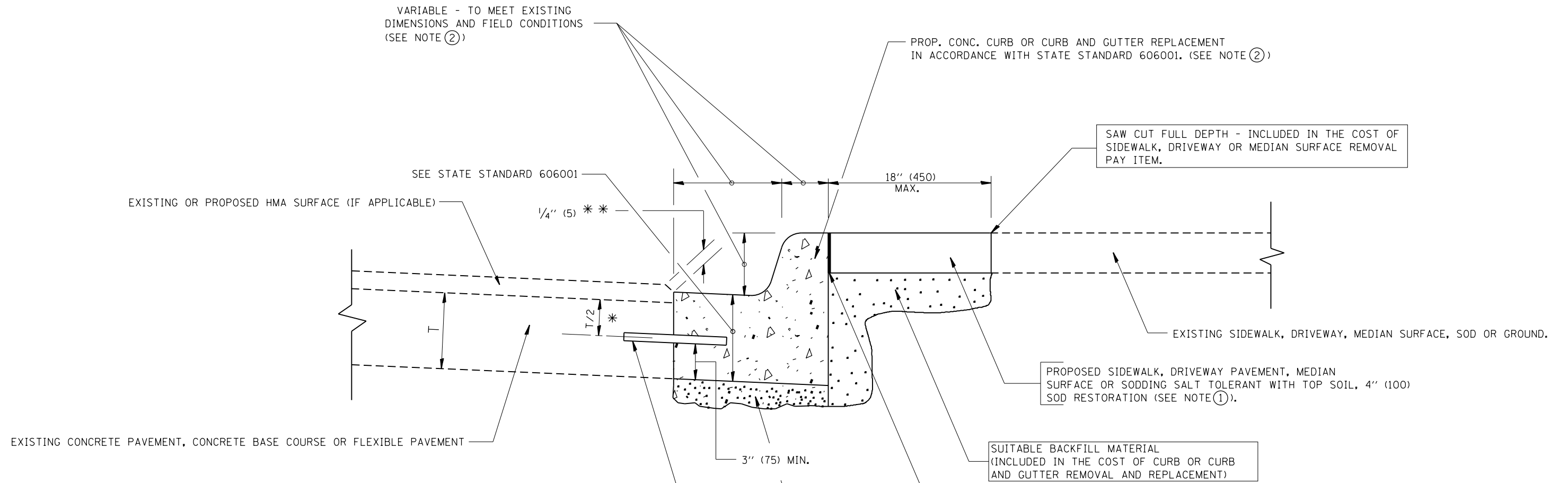
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 =	USER NAME = STEEDPA	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI351\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - R. BORO 01-01-07					846	4R-R5-10	WILL	38	25
PLOT SCALE = 100.0000' / 1in.		DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62C44				
PLOT DATE = 2/14/2017			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.

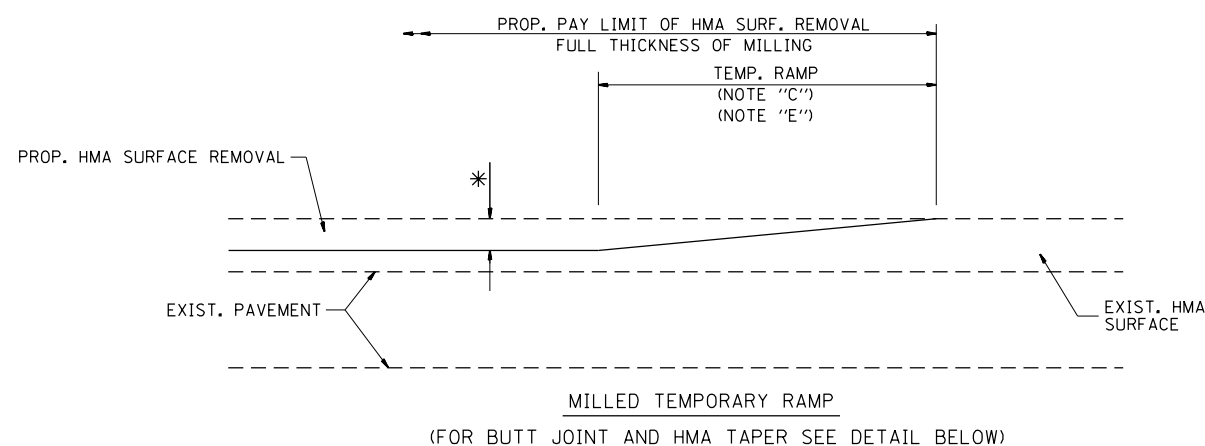
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, 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".

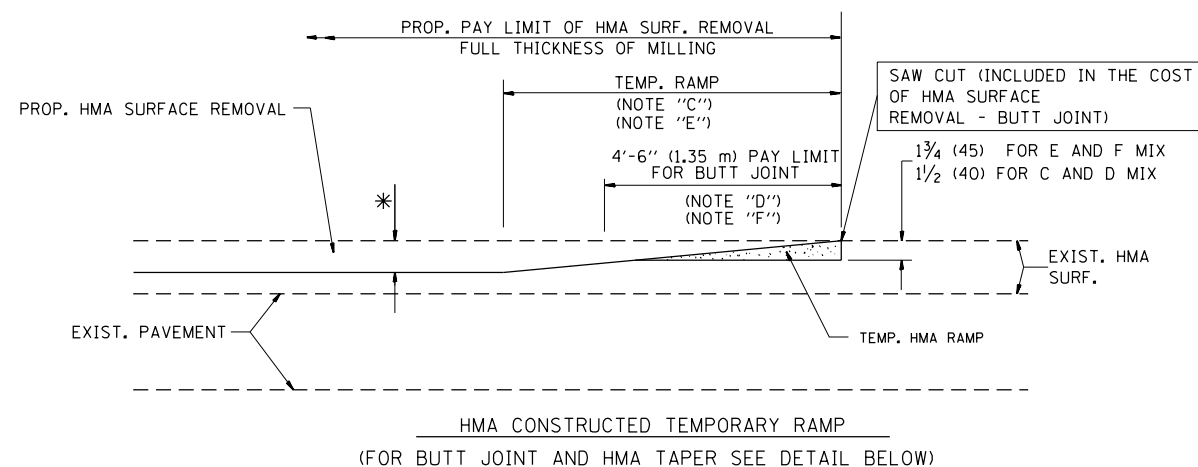
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = STEEDPA	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - A. ABBAS 03-21-97			846	4R-R5-10	WILL	38	26	
			REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 62C44			
			REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

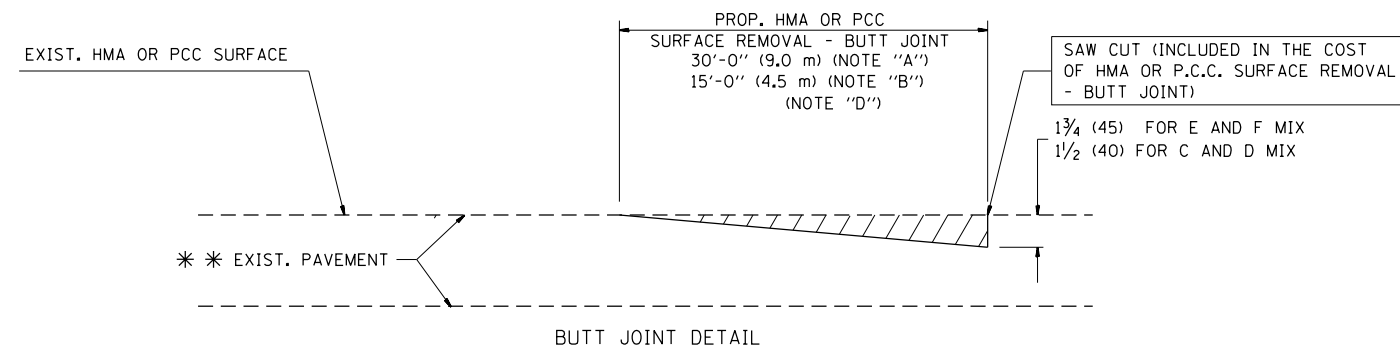


OPTION 1

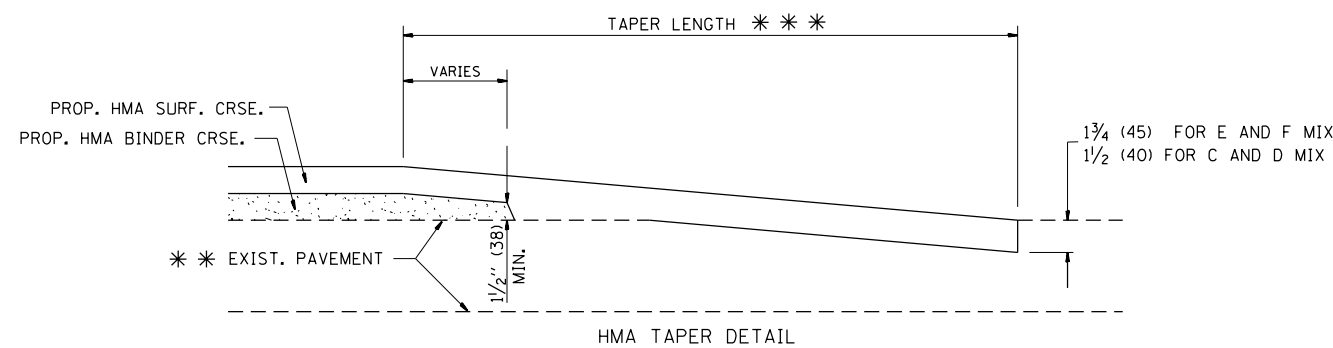


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

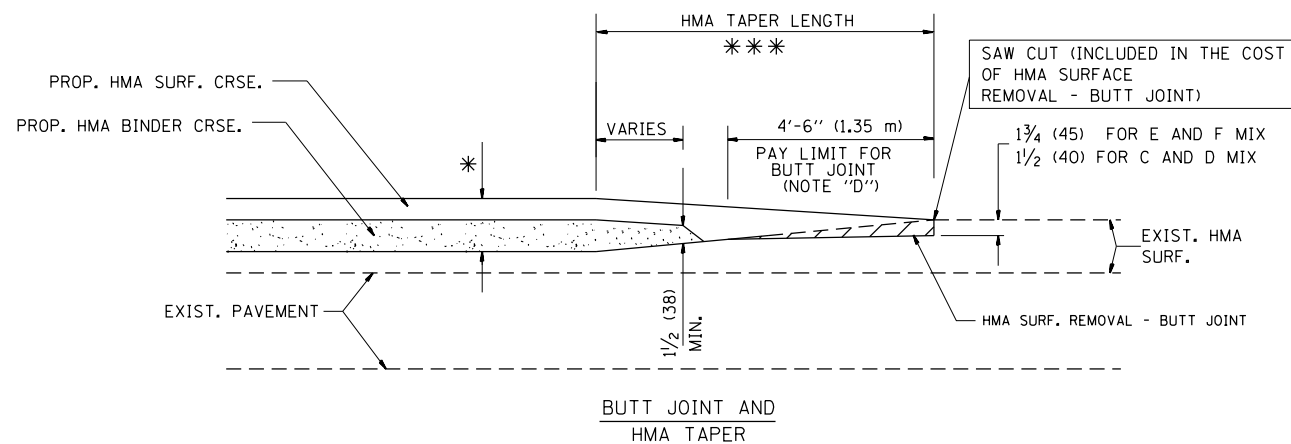
NOTES

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

BASIS OF PAYMENT:

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

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

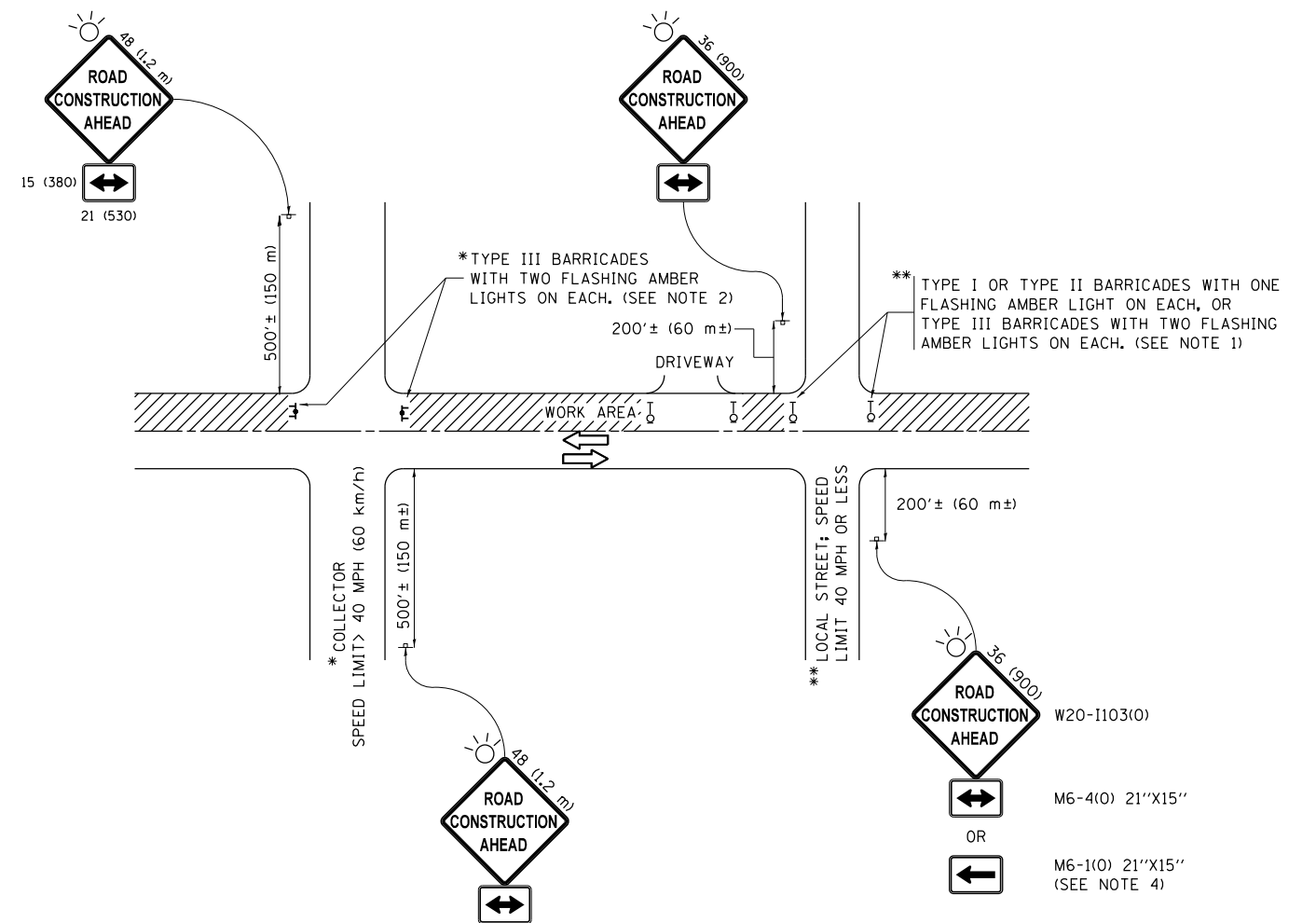
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 2/14/2017	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	27
BD400-05 BD32		CONTRACT NO. 62C44		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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 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. 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.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

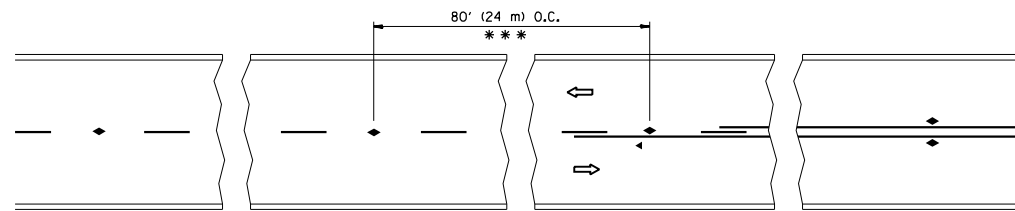
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	PLOT DATE = 2/14/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

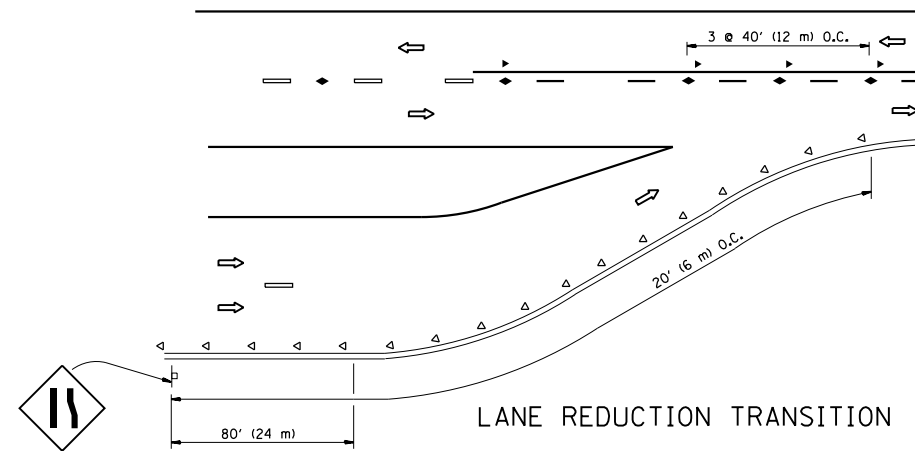
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62C44	
ILLINOIS FED. AID PROJECT				

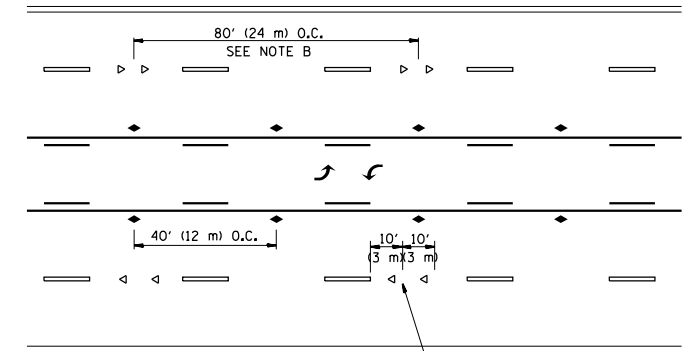


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

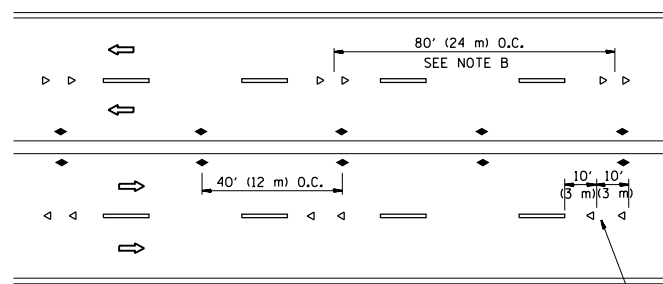
TWO-LANE/TWO-WAY



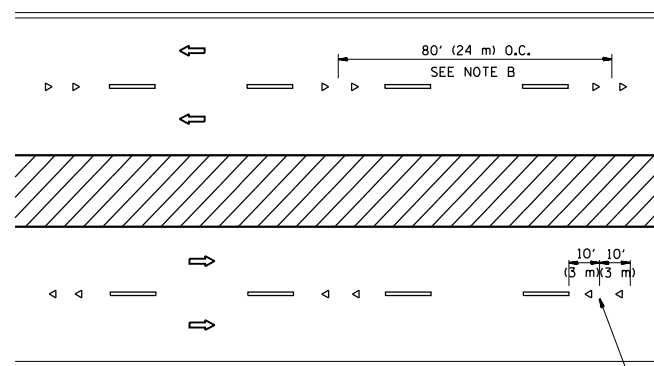
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

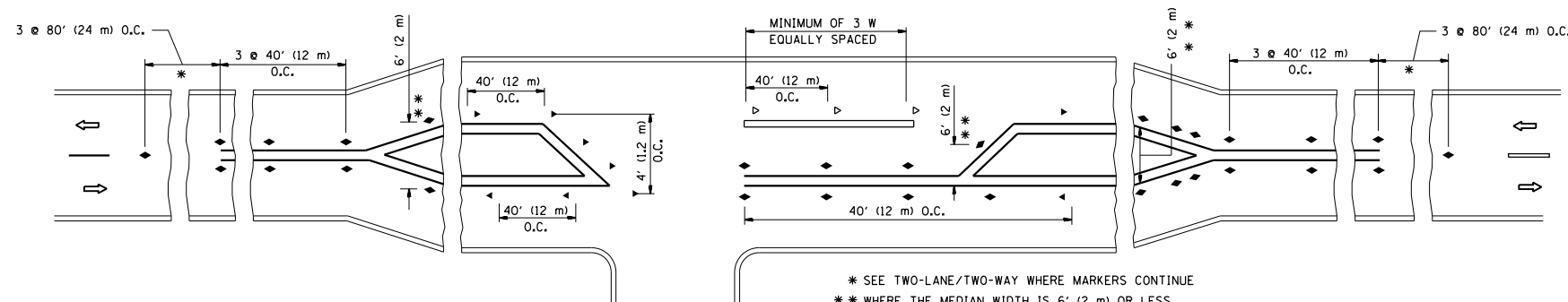
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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

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

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

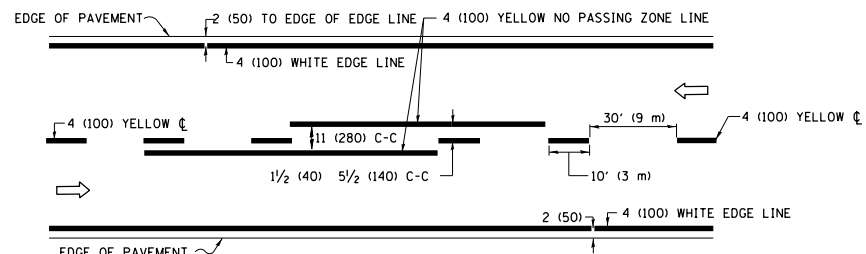
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

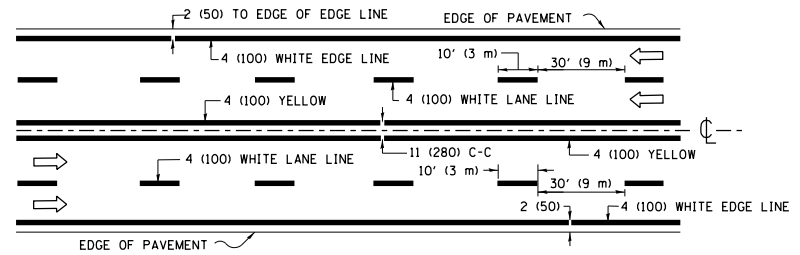
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

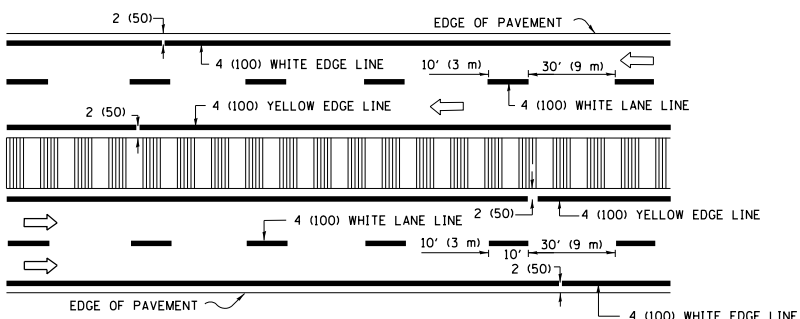
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	29
TC-11		CONTRACT NO. 62C44		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

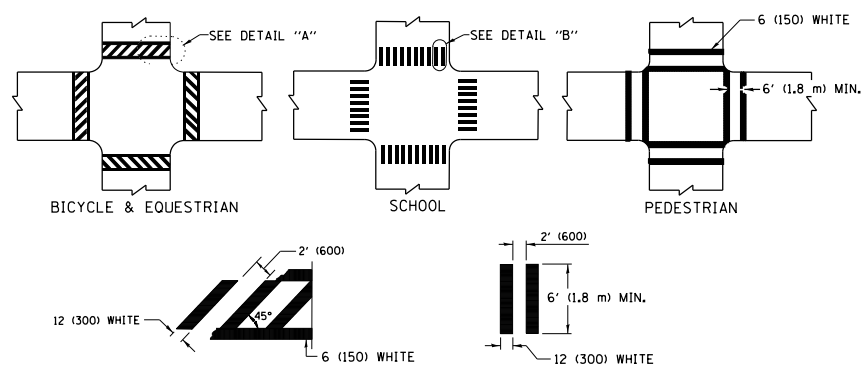


MULTI-LANE UNDIVIDED



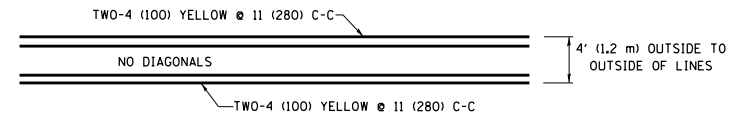
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

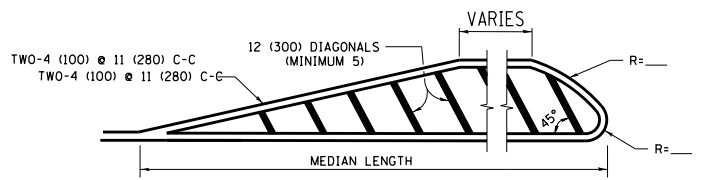


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

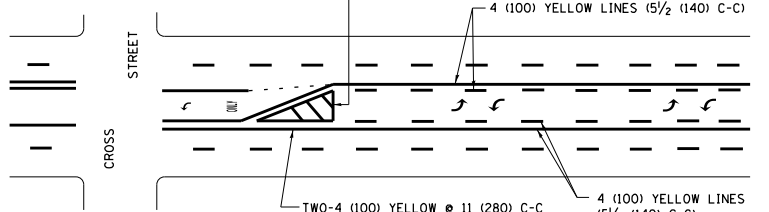


4' (1.2 m) WIDE MEDIANS ONLY



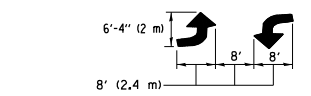
MEDIANS OVER 4' (1.2 m) WIDE

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



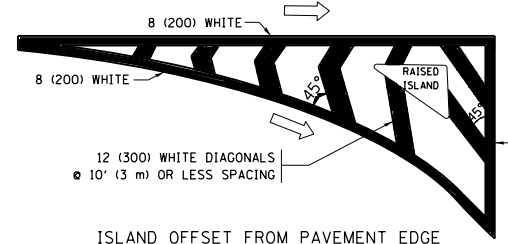
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

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

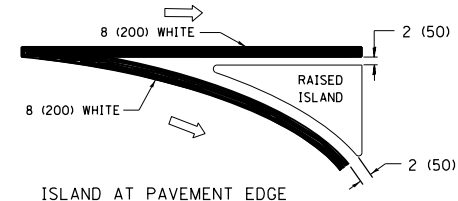


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

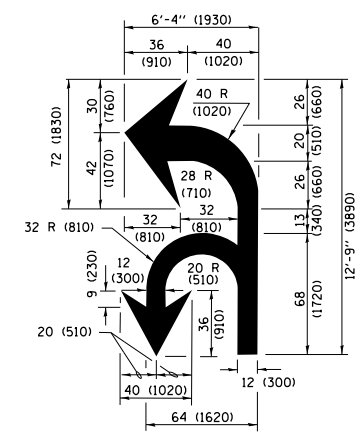
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



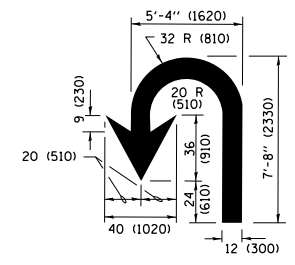
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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 = STEEDPA	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\11\inois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\013511\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 2/14/2017		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	30
TC-13		CONTRACT NO. 62C44		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

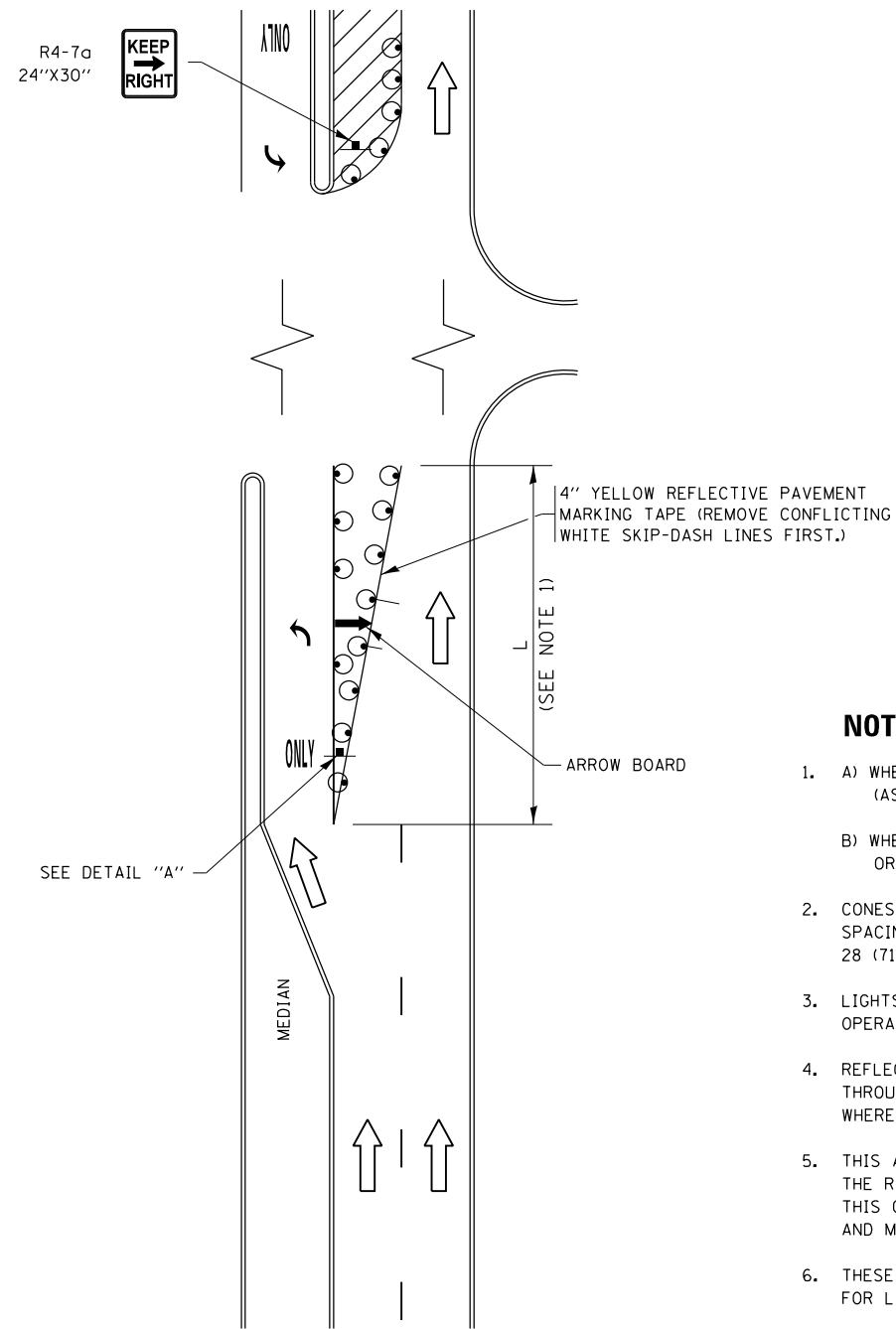

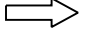







FIGURE 1

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  ARROW BOARD
-  TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  SIGN ASSEMBLY
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. 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" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

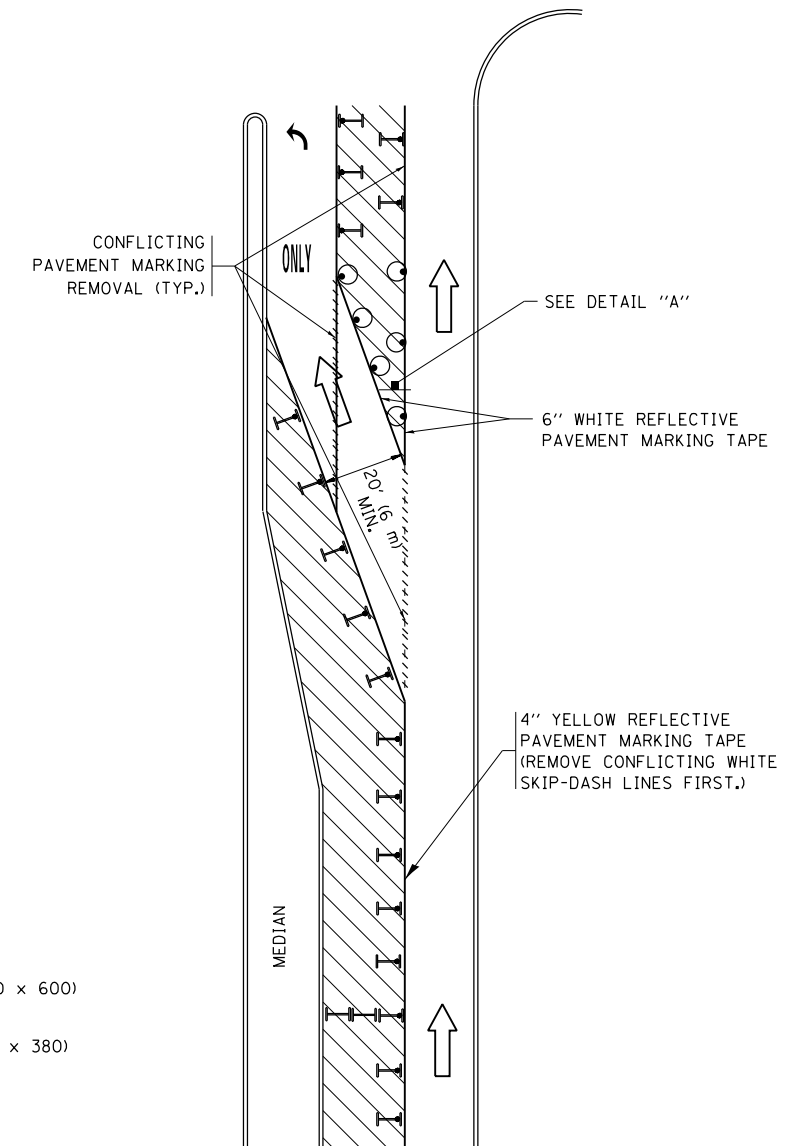
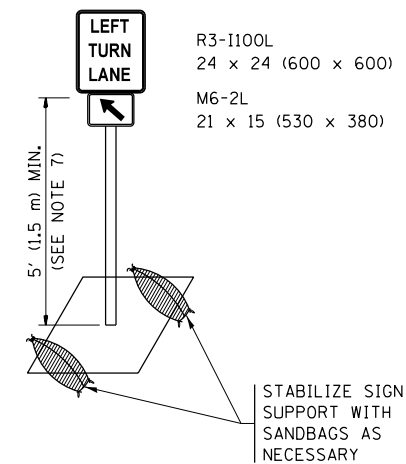


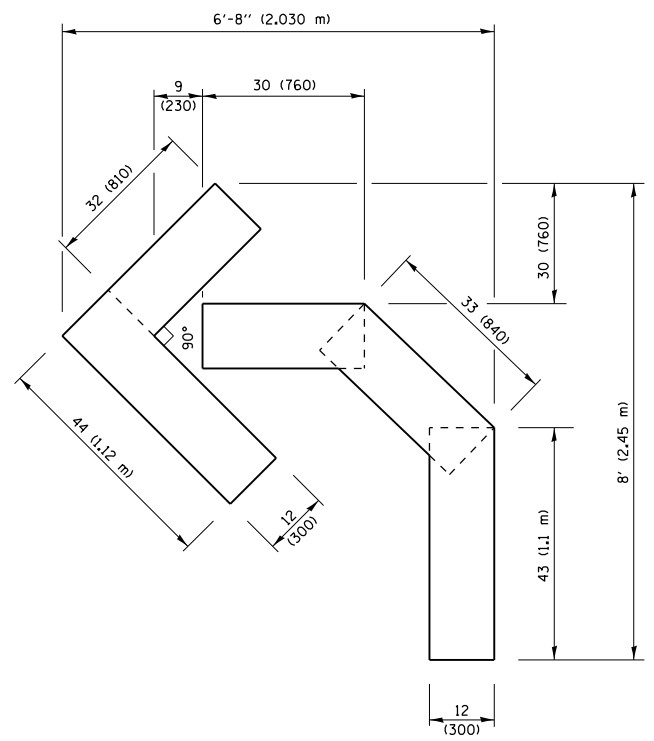
FIGURE 2



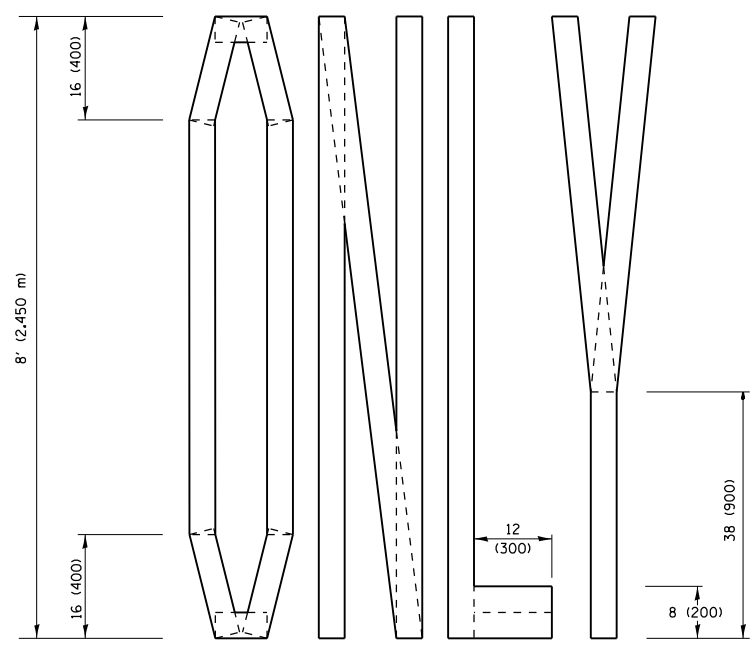
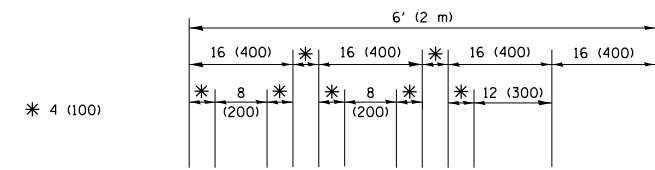
DETAIL A

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

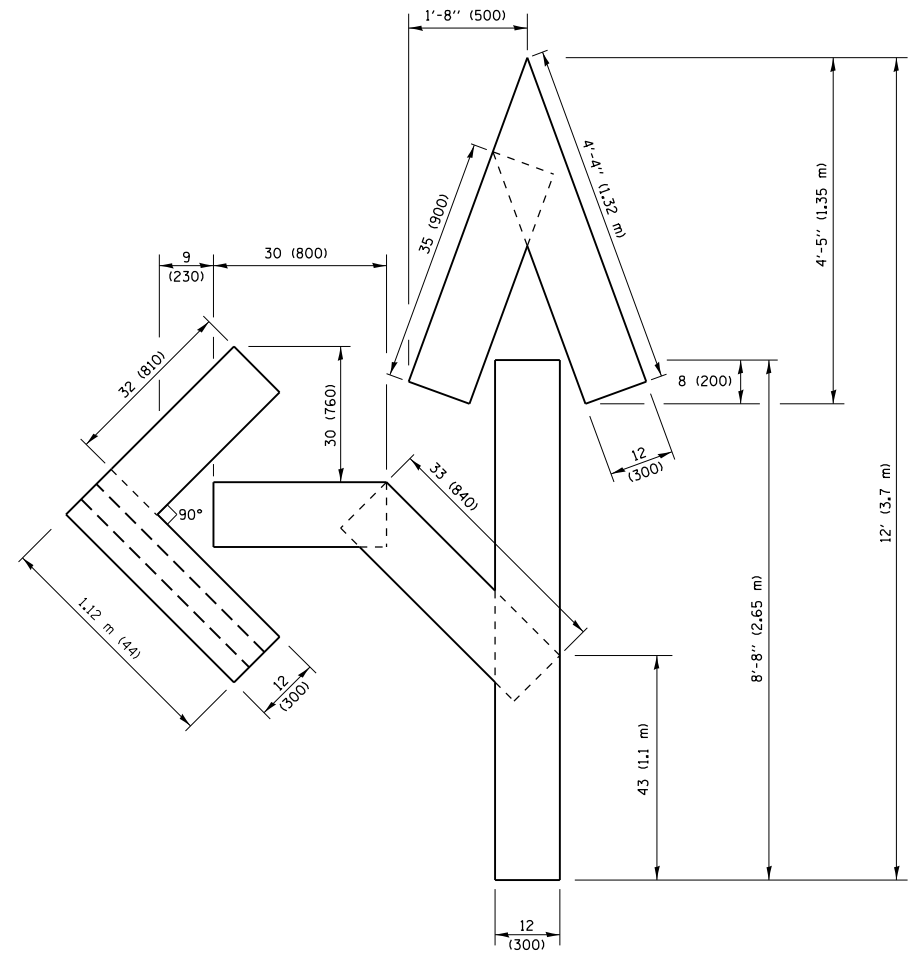
FILE NAME =	USER NAME = STEEDPA	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13					846	4R-R5-10	WILL	38	31
	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 62C44				
	PLOT DATE = 2/14/2017	REVISED - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

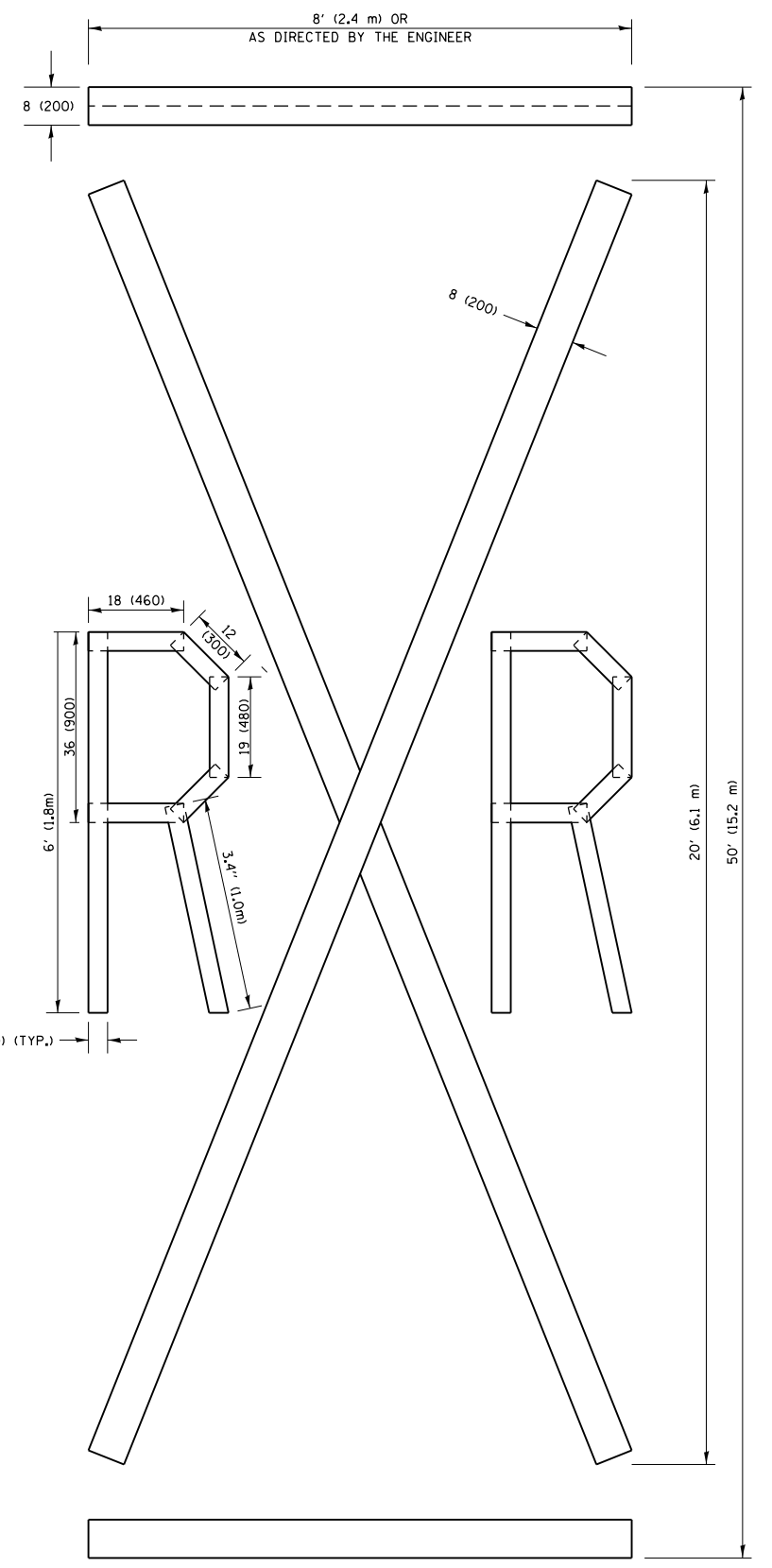


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\013511\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16

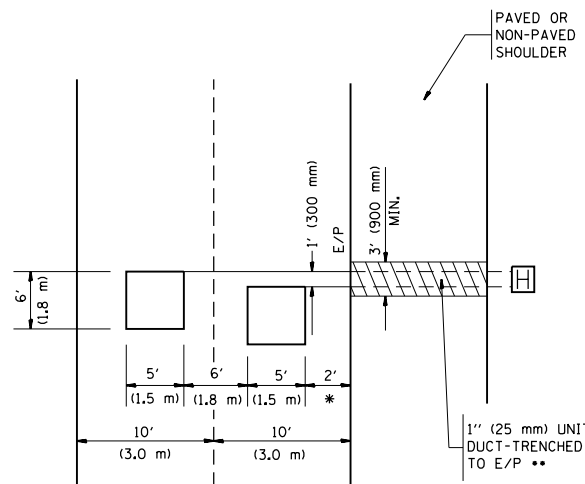
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	4R-R5-10	WILL	38	32
TC-16		CONTRACT NO. 62C44		
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.



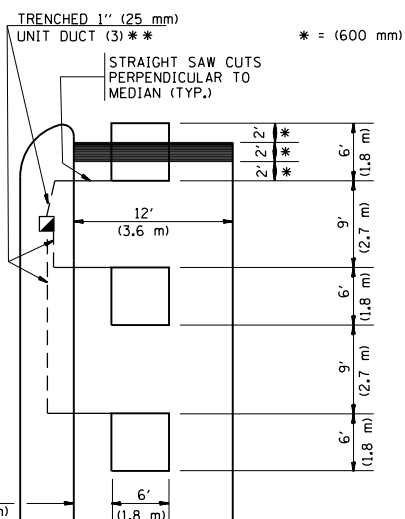
* = (600 mm)

** 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.



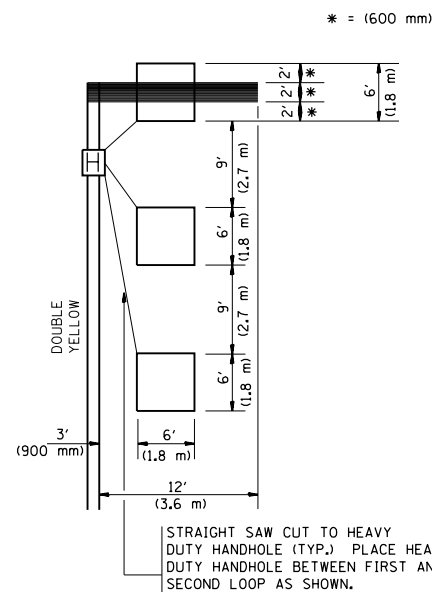
* = (600 mm)

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

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

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

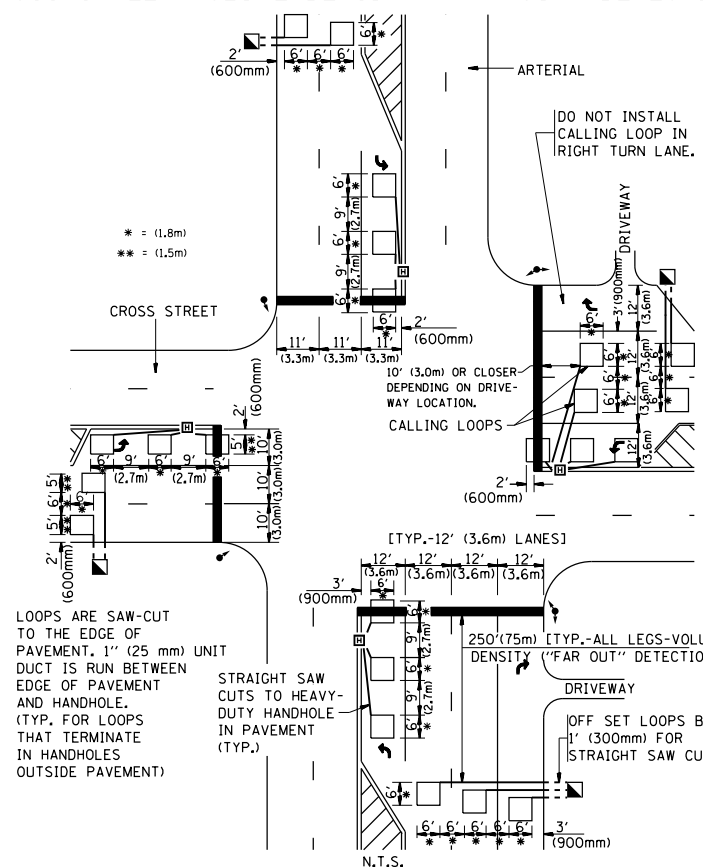
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

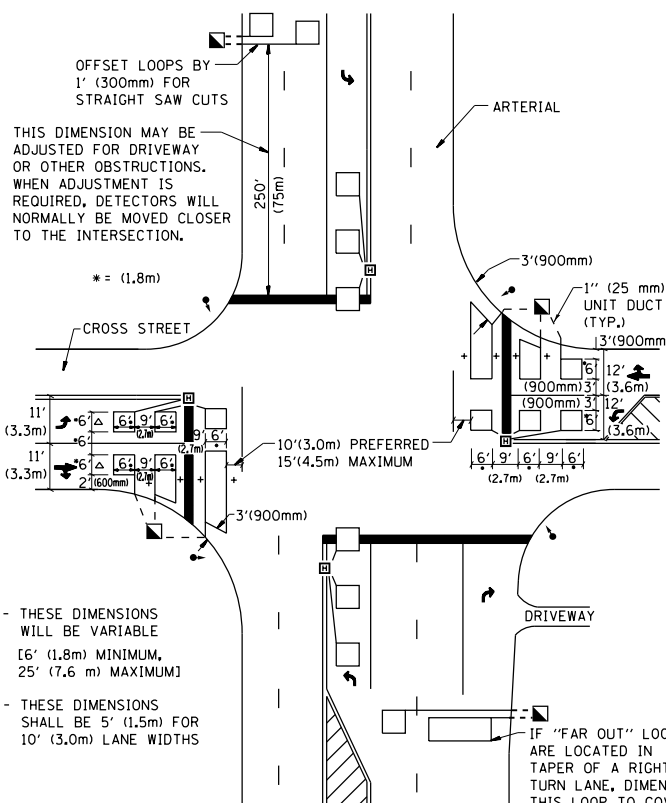
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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:

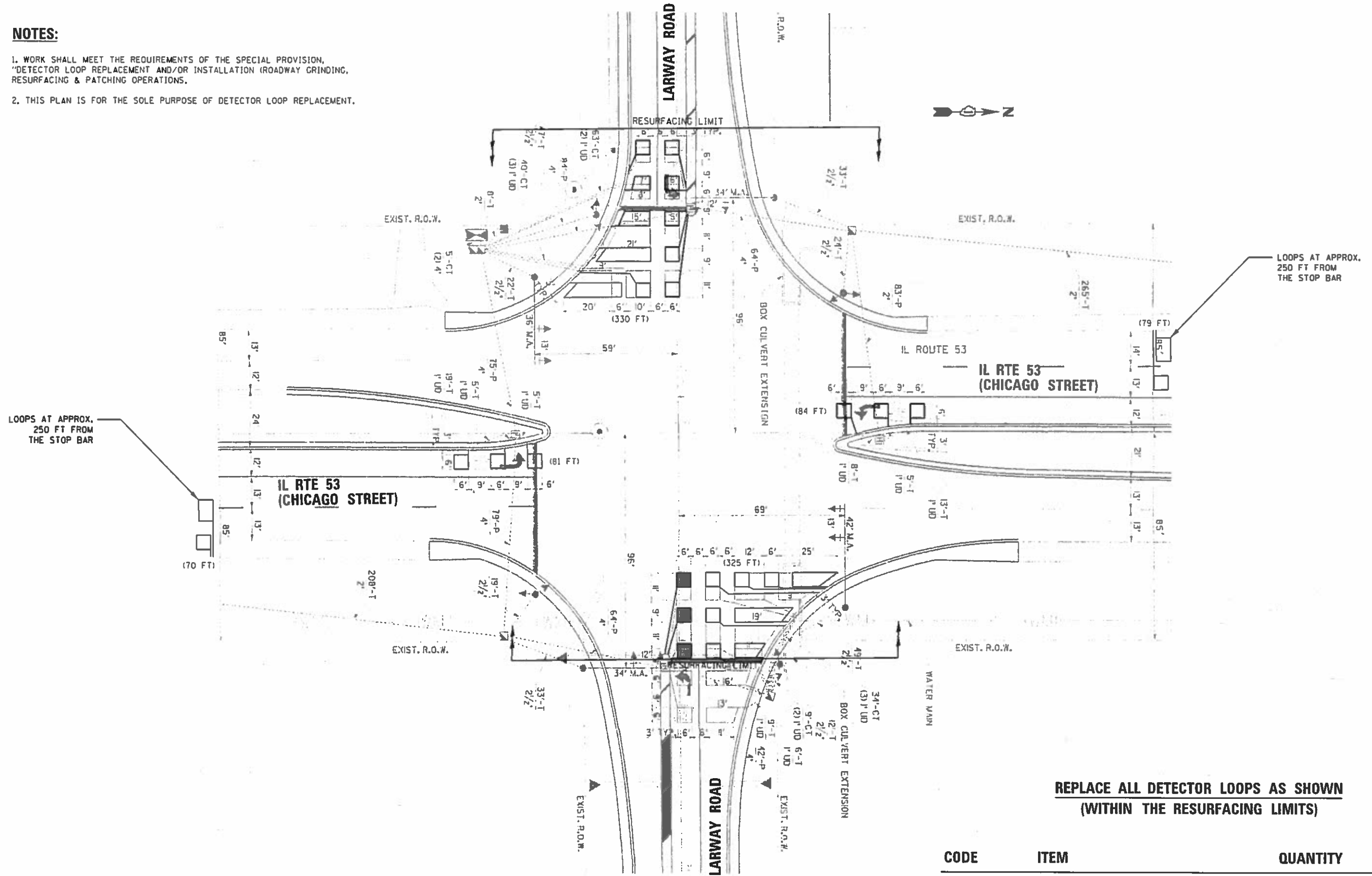
ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

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 =	USER NAME = STEEDPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG\11inois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI3511\Drawings\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -		846	4R-R5-10	WILL	38	33			
PLOT SCALE = 100.0010 / 1 in.		DATE -	REVISED -		TS-07			CONTRACT NO. 62C44				
PLOT DATE = 2/14/2017			REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



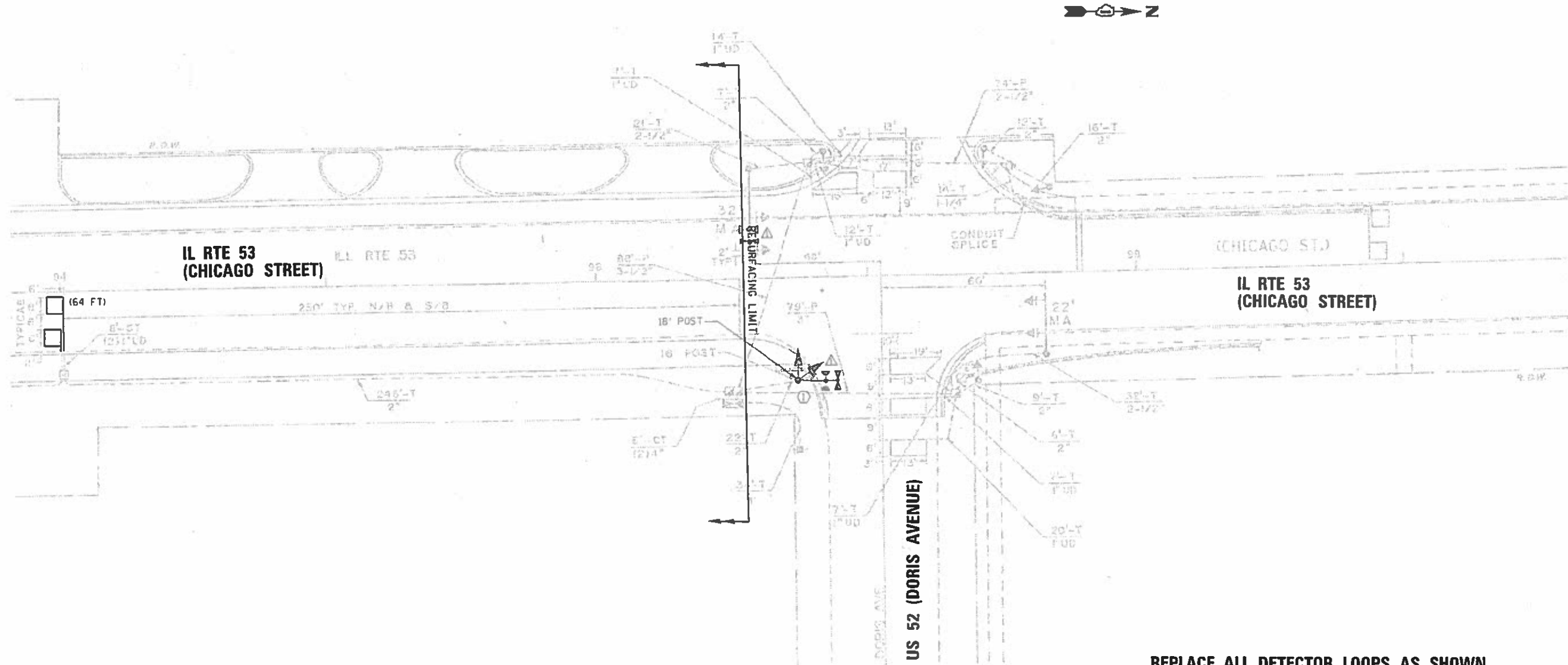
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	969	FOOT

FILE NAME * 15 7578 ILL RTE 53 & LARWAY ROAD.1289	USER NAME * javenmardizg	DESIGNED * ZGJ	REVISED * -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN ILL RTE 53 (CHICAGO STREET) AT LARWAY ROAD				F.A.P. RTE. 846	SECTION 4R-RS-10	COUNTY WILL	TOTAL SHEETS 38	SHEET NO. 35
	PLOT SCALE * 48.0000 "/td> <td>DRAWN * ZGJ</td> <td>REVISED * -</td> <td>SCALE:</td> <td>SHEET</td> <td>OF</td> <td>SHEETS</td> <td>STA.</td> <td>TO</td> <td>STA.</td> <td colspan="2">CONTRACT NO. 62C44</td>	DRAWN * ZGJ	REVISED * -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62C44	
	PLOT DATE * 12/9/2016	CHECKED * LP	REVISED * -		ILLINOIS FED. AID PROJECT								
Default		DATE * 12/9/2016	REVISED * -										

NOTES:

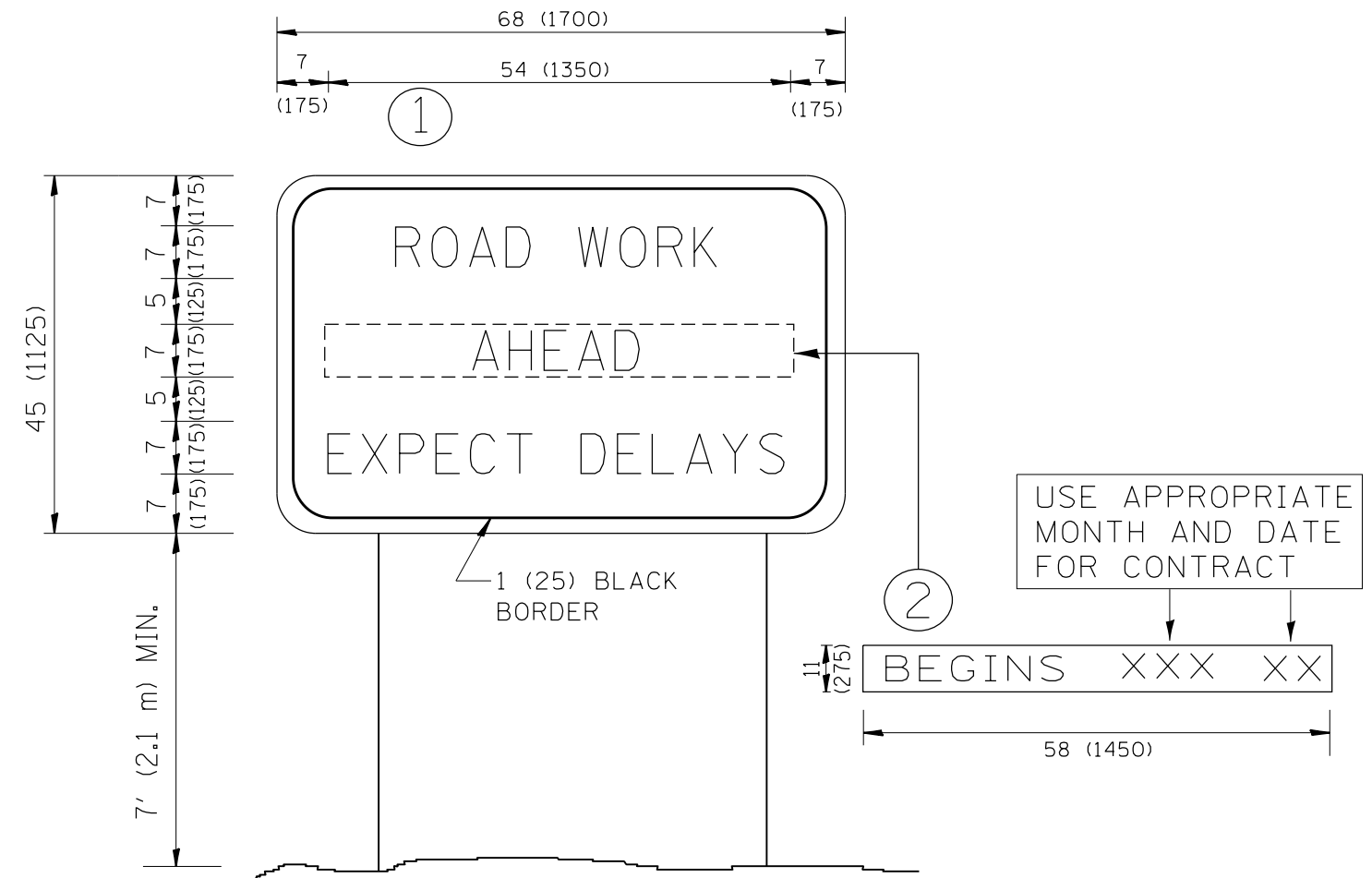
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	64	FOOT

FILE NAME : TS 7498 ILL RTE 53 & US 52.12092016.dwg	USER NAME : jovanmrdzic	DESIGNED - ZGJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN ILL RTE 53 (CHICAGO STREET) AT US 52 (DORIS AVENUE)				F.A.P. RTE. : 846	SECTION : 4R-RS-10	COUNTY : WILL	TOTAL SHEETS : 38	SHEET NO. : 37
Default	PLOT SCALE : 48.0000 1/ in.	CHECKED - LP	REVISED -		SCALE: 1" = 40'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62C44					
	PLOT DATE : 12/9/2016	DATE - 12/9/2016	REVISED -		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 =	USER NAME = STEEDPA	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI351\Drawings\Design\Diststd.dgn		DRAWN -	REVISED - R. MIRS 12-11-97			846	4R-R5-10	WILL	38	38
PLOT SCALE = 100.0010' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99				TC-22		CONTRACT NO. 62C44		
PLOT DATE = 2/14/2017	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	