

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
367	2013-070RS	COOK	25	1
		ILLINOIS	CONTRACT NO. 60X47	

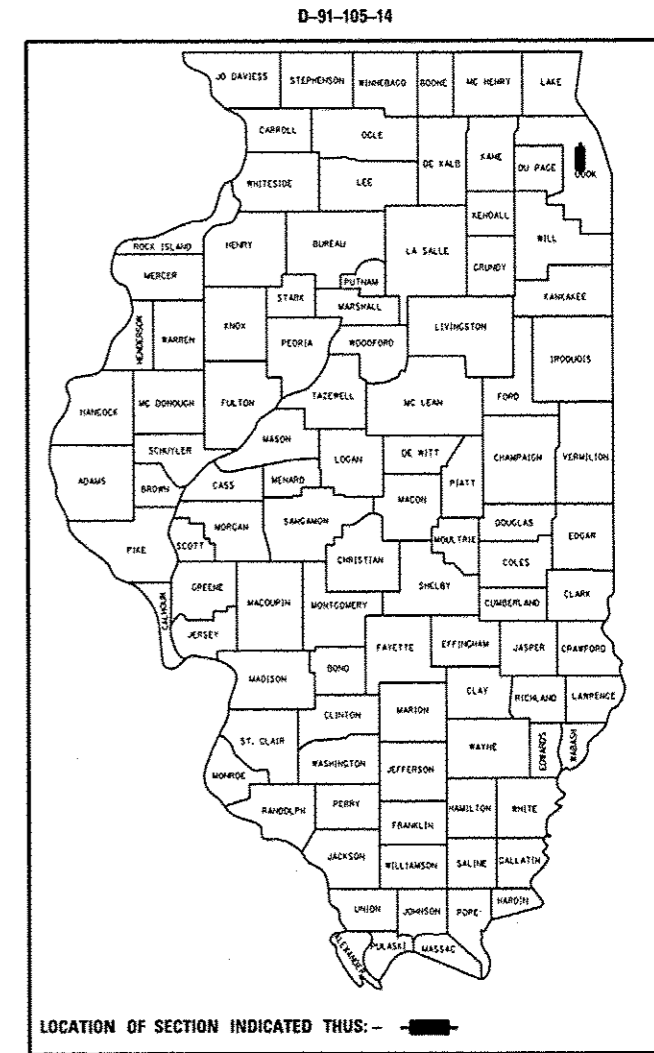
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. 347 ROOSEVELT ROAD
LARAMIE AVENUE TO PULASKI ROAD
SECTION 2013-070 RS
RESURFACING (3P)
COOK COUNTY
C-91-105-14

FOR INDEX OF SHEETS, SEE SHEET NO. 2

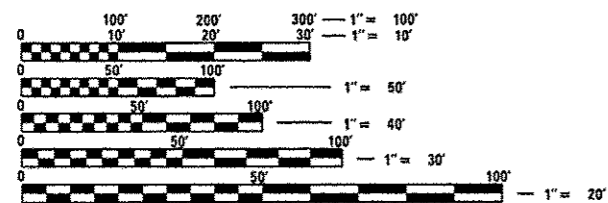
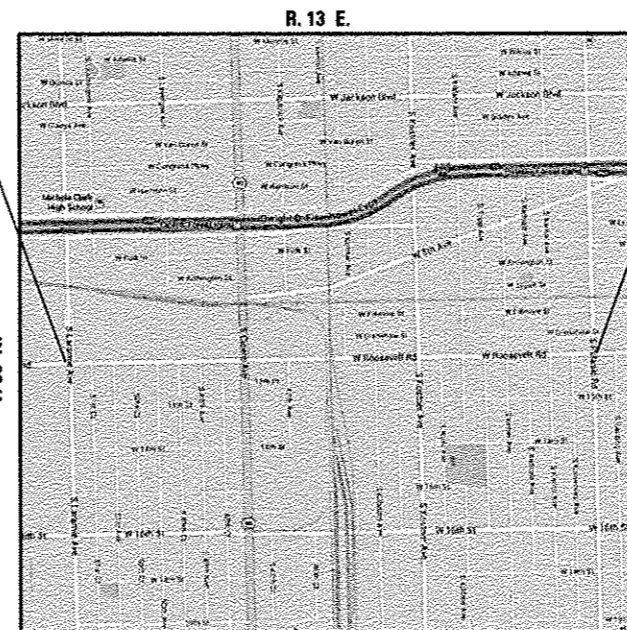
IMPROVEMENT IS LOCATED IN THE CITY OF CHICAGO AND THE TOWN OF CICERO



PROJECT BEGINS
STA. 21+18

PROJECT ENDS
STA. 100+16

① OMISSION
STA. 43+10 TO STA. 53+00
STA. 58+00 TO STA. 61+30



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 KEN ENG

CONTRACT NO. 60X47

SOUTH TOWNSHIP
GROSS LENGTH = 7896 FT. (1.5 MILES)
NET LENGTH = 6576 FT. (1.245 MILES)

AVERAGE DAILY TRAFFIC
ROOSEVELT RD.
2010 = 32,400
POSTED SPEED LIMIT
30-35 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 5 2014
John Kristman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

MARCH 21 2014
John D. Baranzelli P.E.
actg ENGINEER OF DESIGN AND ENVIRONMENT

MARCH 21 2014
Omer Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

3/5/2014
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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND PLAN NOTES
• 3-4	SUMMARY OF QUANTITIES REVISED.
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43	ARTERIAL ROAD INFORMATION SIGN (TC-22)
44	DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-05 SHEET 1)

STANDARDS

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
606001-05	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS.
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W WORK AREAS IN SERIES > 65 MPH
701501-06	LANE CLOSURE, 2L, 2W, UNDIVIDED FOR SPEED <45 MPH
701606-04	URBAN LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS

PLAN NOTES

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

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD. UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF CHICAGO AND THE TOWN OF CICERO.

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

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.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

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

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

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS 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 MR. JOE ECKERT, AREA TRAFFIC FIELD ENGINEER AT (224)-217-8632 A MINIMUM OF TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

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

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

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 IN THE PLANS.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL 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.

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 (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (60 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (60 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 IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

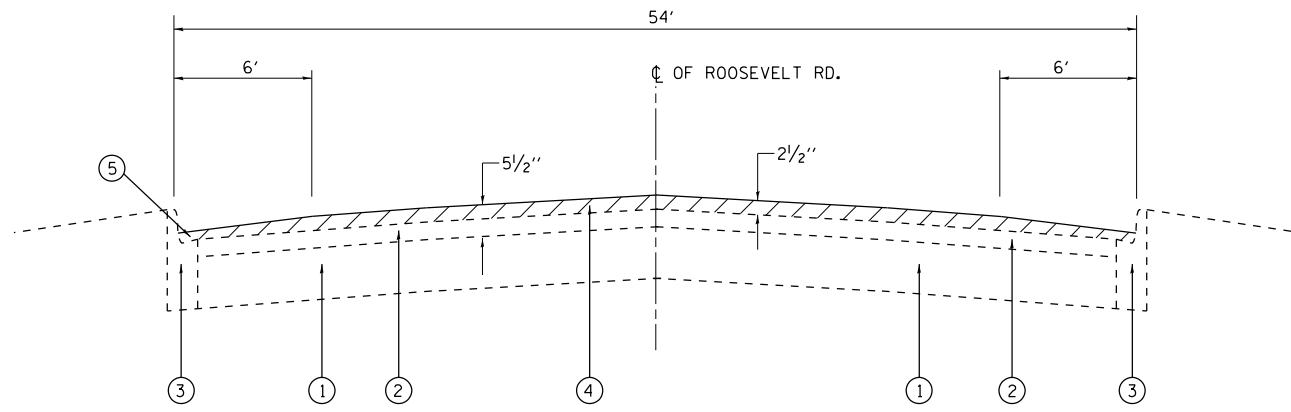
THE DEPARTMENT WILL NOT REINSTALL OR REIMBURSE ANY DAMAGE CAUSED BY THIS CONTRACT WHICH INVOLVES WITH THE EQUIPMENT OR/AND APPARATUS OF THE RED LIGHT CAMERA OWNED BY THE CITY OF CHICAGO.

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROOSEVELT ROAD (LARAMIE AVE. TO WESTERN AVE.) ROOSEVELT ROAD (HALSTED ST. TO U.S. ROUTE 41) INDEX, STANDARDS & GENERAL NOTES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN	REVISED		SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	347	2013-070 RS	COOK	44	2
		CHECKED	REVISED										
		DATE	REVISED										
												CONTRACT NO. 60X47	
												FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

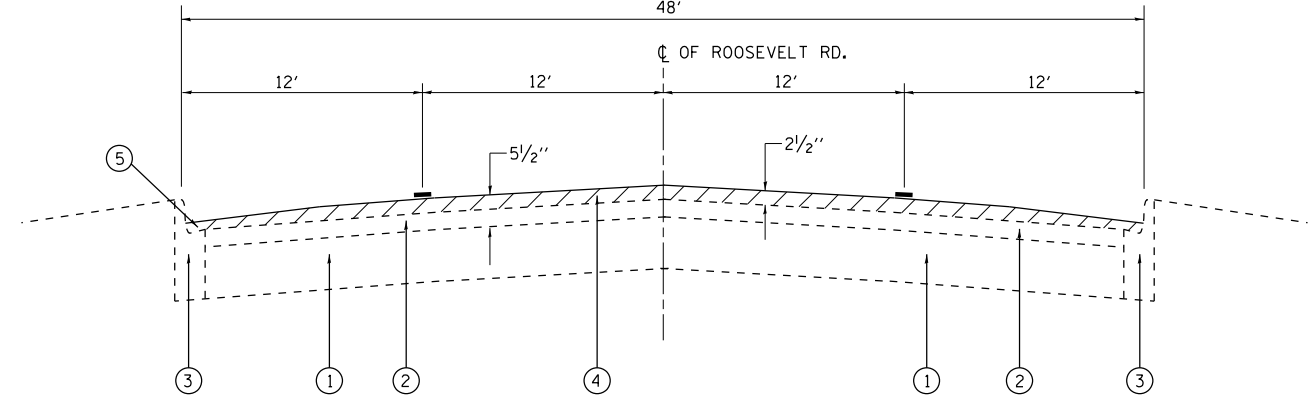
SUMMARY OF QUANTITIES			URBAN 100% STATE CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			URBAN 100% STATE CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	LARAMIE AVE. TO PULASKI RD. 0005					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	LARAMIE AVE. TO PULASKI RD. 0005					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	57	57					44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	107	107					
25200110	SODDING, SALT TOLERANT	SO YD	57	57					44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	412	412					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	54	54					60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	9	9					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1492	1492					60406520	FRAMES AND LIDS, OPEN LID (CITY OF CHICAGO)	EACH	5	5					
40600895	CONSTRUCTING TEST STRIP	EACH	1	1					60406530	FRAMES AND LIDS, CLOSED LID (CITY OF CHICAGO)	EACH	5	5					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	497	497					67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3					
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	3481	3481					67100100	MOBILIZATION	L SUM	1	1					
42001300	PROTECTIVE COAT	SO YD	884	884					70100600	TRAFFIC CONTROL & PROTECTION, STANDARD 701336	LSUM	1	1					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	3078	3078					70102620	TRAFFIC CONTROL & PROTECTION, STANDARD 701501	LSUM	1	1					
42400800	DETECTABLE WARNING	SO FT	54	54					70102625	TRAFFIC CONTROL & PROTECTION, STANDARD 701606	LSUM	1	1					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	35519	35519					70102635	TRAFFIC CONTROL & PROTECTION, STANDARD 701701	LSUM	1	1					
44000600	SIDEWALK REMOVAL	SO FT	3078	3078					70300100	SHORT TERM PAVEMENT MARKING	FOOT	2370	2370					
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	332	332														

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES						CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		LARAMIE AVE. TO PULASKI RD. 0005										
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	241	241										
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	16,224	16,224										
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	605	605										
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	208	208										
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	102	102										
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	174	174										
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	790	790										
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	241	241										
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16,224	16,224										
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	605	605										
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	208	208										
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	102	102										
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	174	174										
*78006110	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,332	1,332										

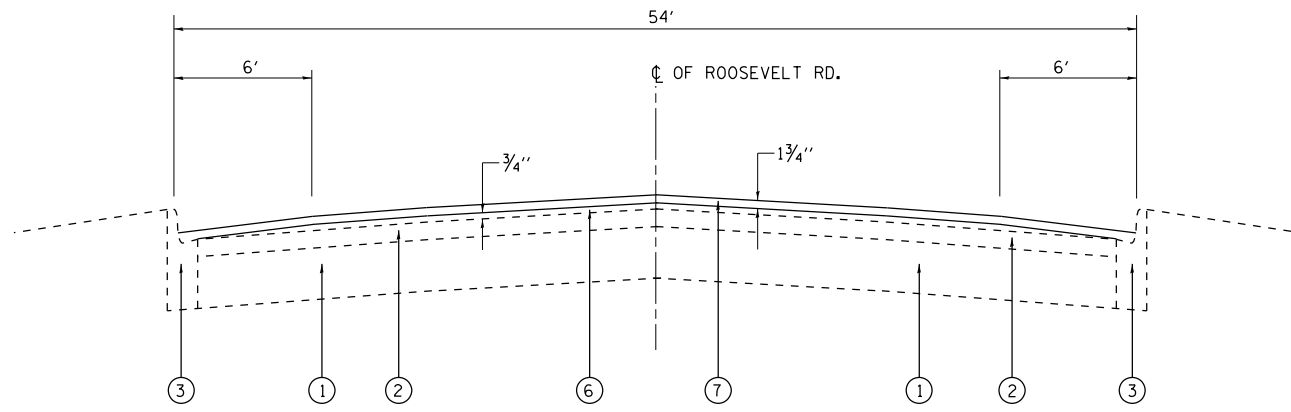
SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES						CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		LARAMIE AVE. TO PULASKI RD. 0005										
*78008210	POLYUREA PAVEMENT MARKING, TYPE I, LINE 4"	FOOT	330	330										
*88600600	DETECTOR LOOP REPLACEMENT	FOOT	66	66										
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUNDS	23,976	23,976										
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	100	100										
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,626	1,626										
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52										
* DENOTES SPECIALTY ITEMS														



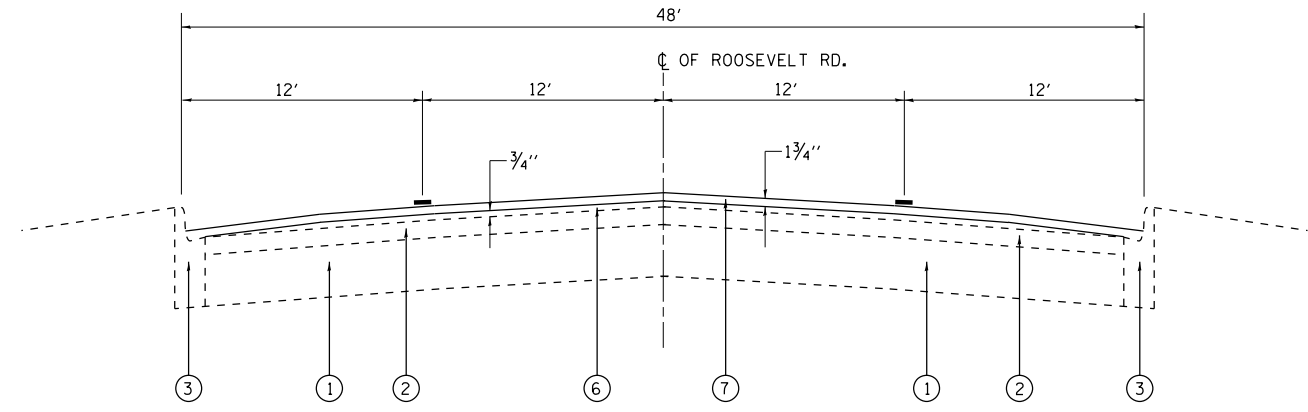
EXISTING TYPICAL SECTION
STA. 21+18 TO STA. 43+10



EXISTING TYPICAL SECTION
STA. 53+00 TO STA. 71+00
(★STA. 43+10 TO STA. 53+00 OMISSION)



PROPOSED TYPICAL SECTION
STA. 21+18 TO STA. 43+10



PROPOSED TYPICAL SECTION
STA. 53+00 TO STA. 71+00

LEGEND

- ① EXISTING P.C.C. PAVEMENT, 9"±
- ② EXISTING HMA PAVEMENT AFTER MILLING, 3"±
- ③ EXISTING COMBINATION CONCRETE CURB & GUTTER
- ④ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑤ PROPOSED HMA SURFACE REMOVAL (OVER GUTTER), 1"
- ⑥ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL.-4.75, N50, 3/4"
- ⑦ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX 'F', N90, (IL.-9.5mm), 1 3/4"

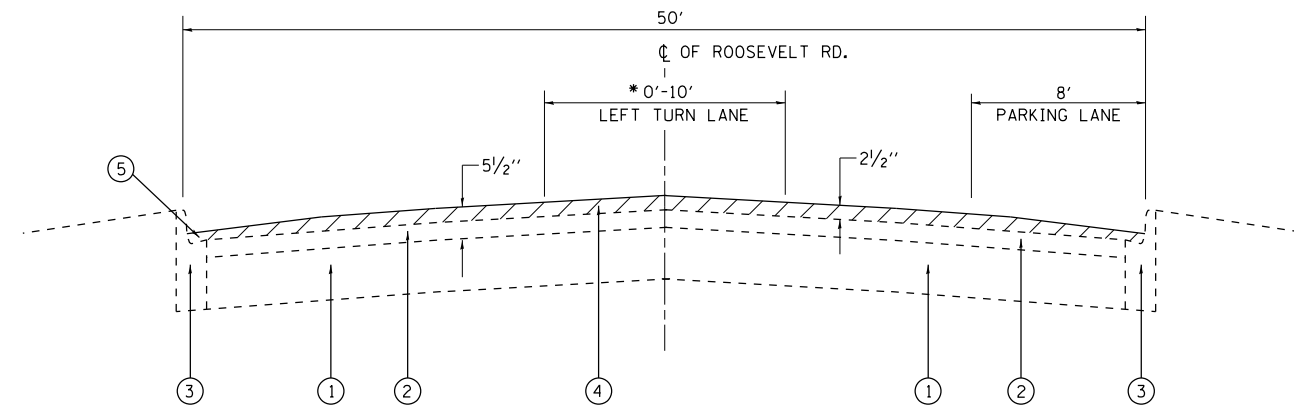
NOTE: CONTRACTOR SHALL MILL FIRST, BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USES	DESIGN AIR VOIDS AT N _{DES}	QMP
POLYMERIZED HMA SURFACE COURSE, MIX 'F' N90, (IL.9.5 mm)	4% AT 90 GYR	PFP
POLYMERIZED LEVELING BINDER,(MM) IL.-4.75, N50	3.5% AT 50 GYR	QCP
CLASS D PATCHES, (HMA BINDER IL.-19.0 mm), 12"	4% AT 70 GYR	Qc/Qa

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

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

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

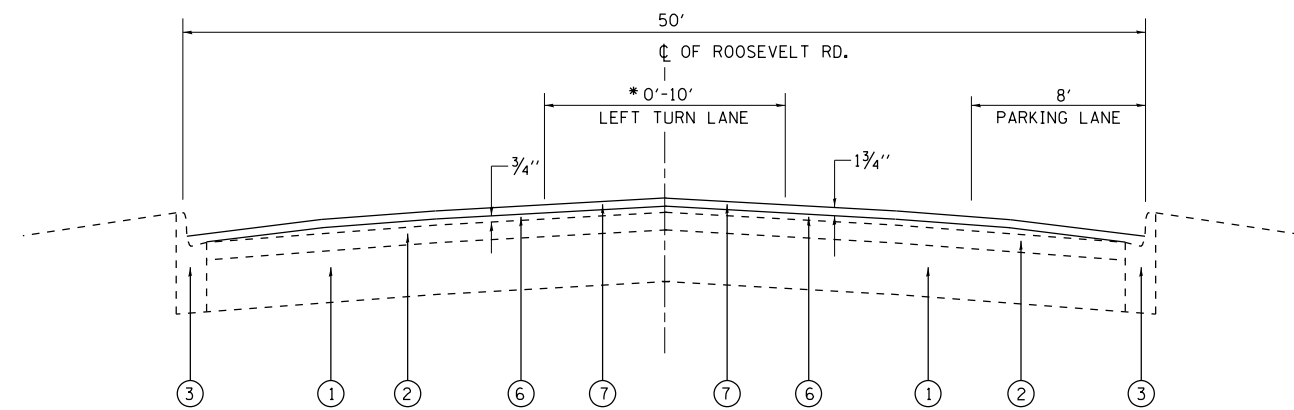


EXISTING TYPICAL SECTION

STA. 71+00 TO STA. 100+16

LEGEND

- ① EXISTING P.C.C. PAVEMENT, 9"±
- ② EXISTING HMA PAVEMENT AFTER MILLING, 3"±
- ③ EXISTING COMBINATION CONCRETE CURB & GUTTER
- ④ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑤ PROPOSED HMA SURFACE REMOVAL (OVER GUTTER), 1"
- ⑥ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL.-4.75, N50, 3/4"
- ⑦ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX 'F', N90, (IL.-9.5mm), 1 3/4"



PROPOSED TYPICAL SECTION

STA. 71+00 TO STA. 100+16

* AT KOSTNER AVE. & KEELER AVE. & PULASKI (WEST SIDE ONLY)

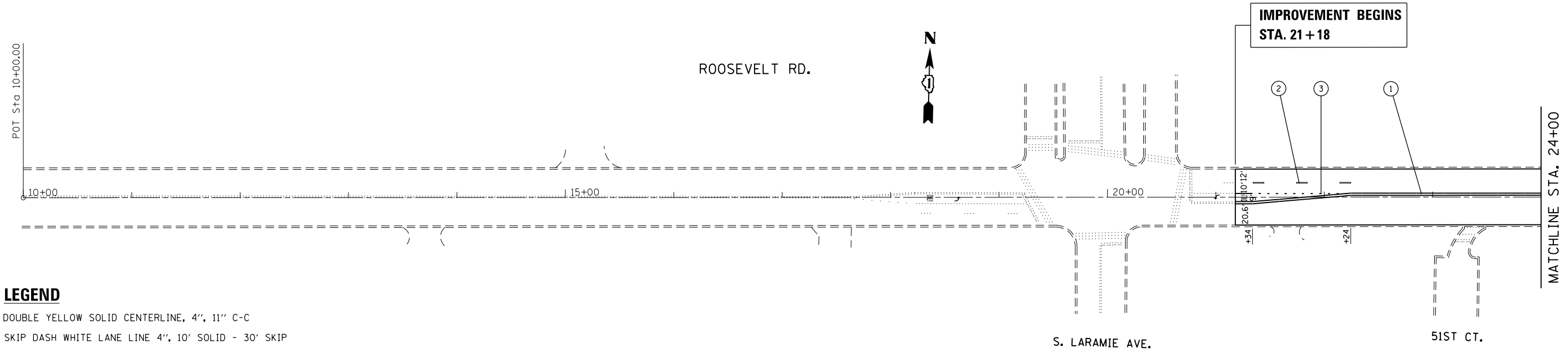
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	PLOT DATE = 3/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTION
ROOSEVELT ROAD (LARAMIE AVENUE TO PULASKI ROAD)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

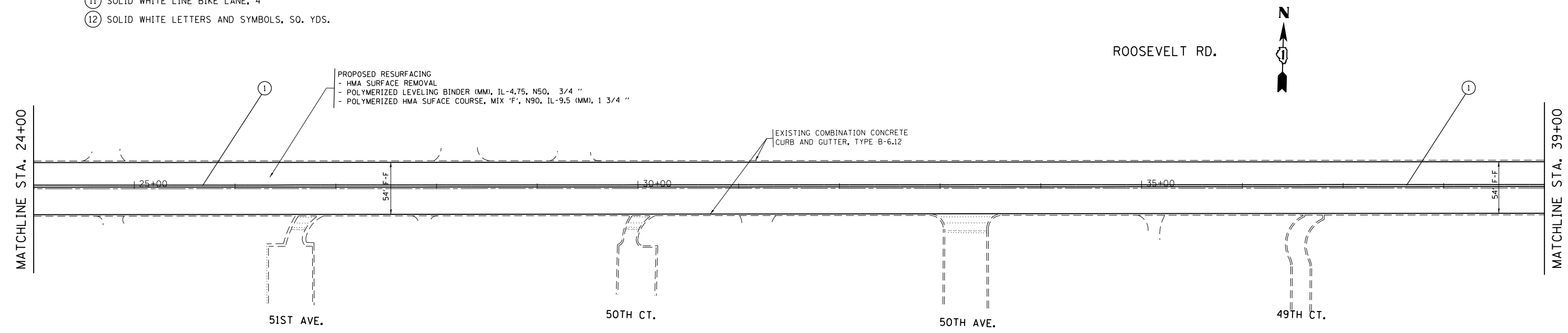
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	6
				CONTRACT NO. 60X47
ILLINOIS FED. AID PROJECT				



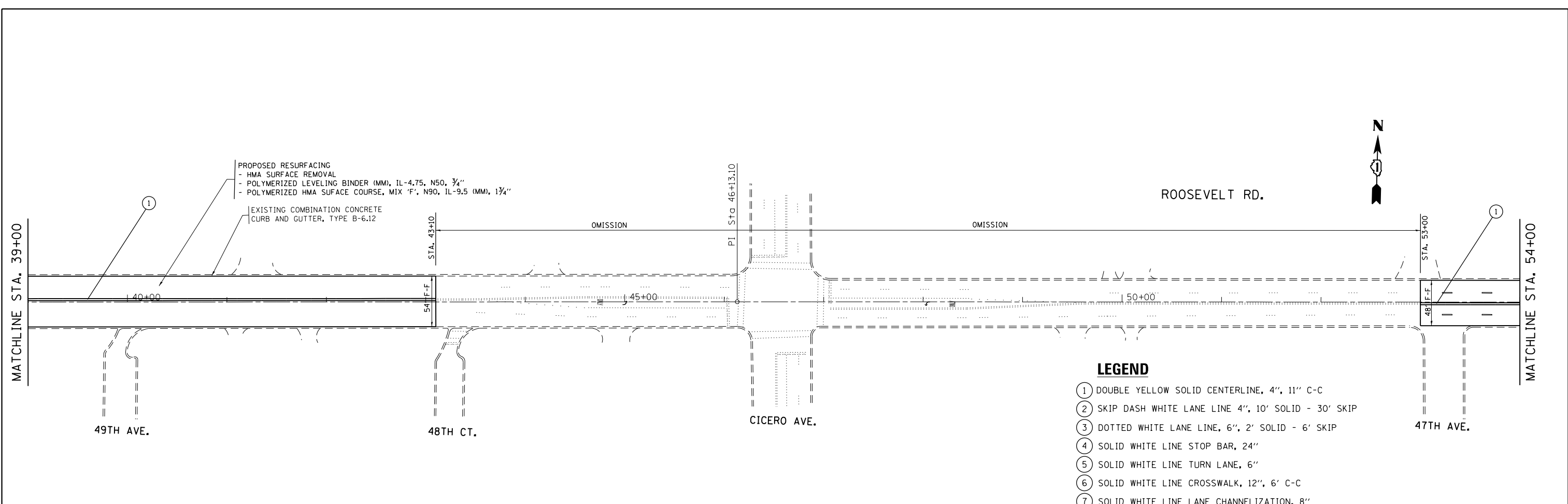
LEGEND

- ① DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② SKIP DASH WHITE LANE LINE 4", 10' SOLID - 30' SKIP
- ③ DOTTED WHITE LANE LINE, 6", 2' SOLID - 6' SKIP
- ④ SOLID WHITE LINE STOP BAR, 24"
- ⑤ SOLID WHITE LINE TURN LANE, 6"
- ⑥ SOLID WHITE LINE CROSSWALK, 12", 6' C-C
- ⑦ SOLID WHITE LINE LANE CHANNELIZATION, 8"
- ⑧ SOLID WHITE LINE DIAGONAL, 12", 45° 10' C-C
- ⑨ SOLID WHITE LINE SCHOOL CROSSWALK, 24", 2' C-C
- ⑩ SOLID YELLOW LINE DIAGONAL, 12", 15' C-C
- ⑪ SOLID WHITE LINE BIKE LANE, 4"
- ⑫ SOLID WHITE LETTERS AND SYMBOLS, 50. YDS.

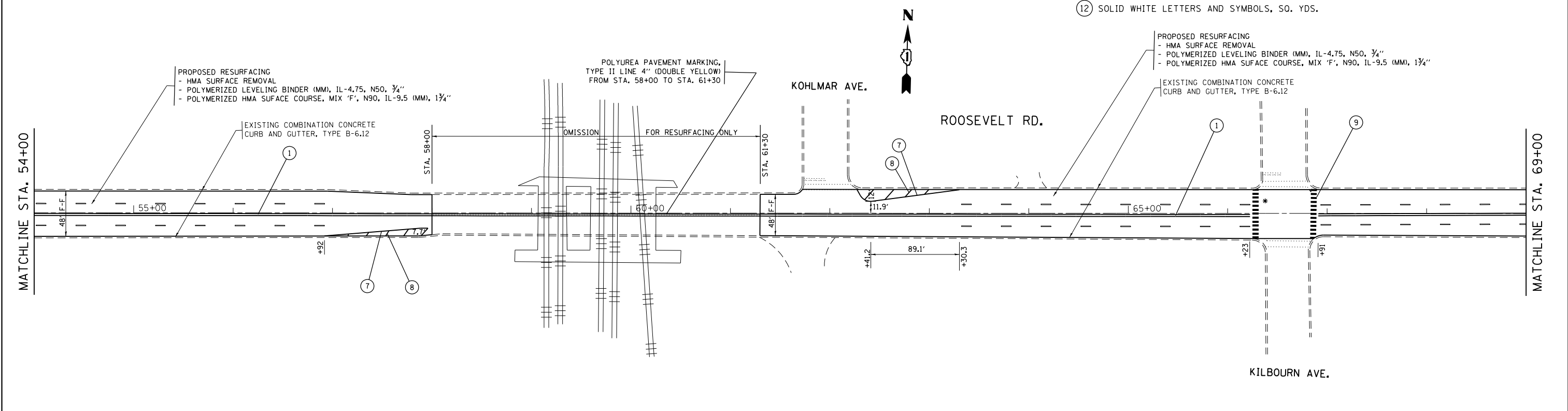
* ALL PROPOSED CROSS WALKS
AS PER CITY OF CHICAGO PAVEMENT
MARKING SHOWN ON PAGE 40



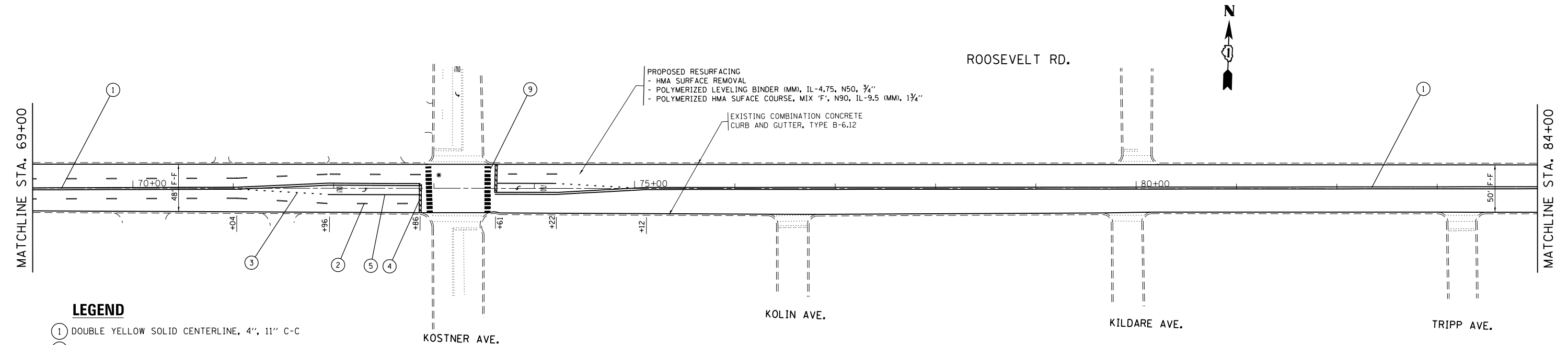
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	0514-shr-plan.dgn	DRAWN -	REVISED -			347	2013-070 RS	COOK	25	7	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60X47					
	PLOT DATE = 3/5/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
Default				SCALE: 1" = 50'		SHEET OF SHEETS		STA. 10+00.00 TO STA. 39+00.00			



* ALL PROPOSED CROSS WALKS AS PER CITY OF CHICAGO PAVEMENT MARKING SHOWN ON PAGE 40



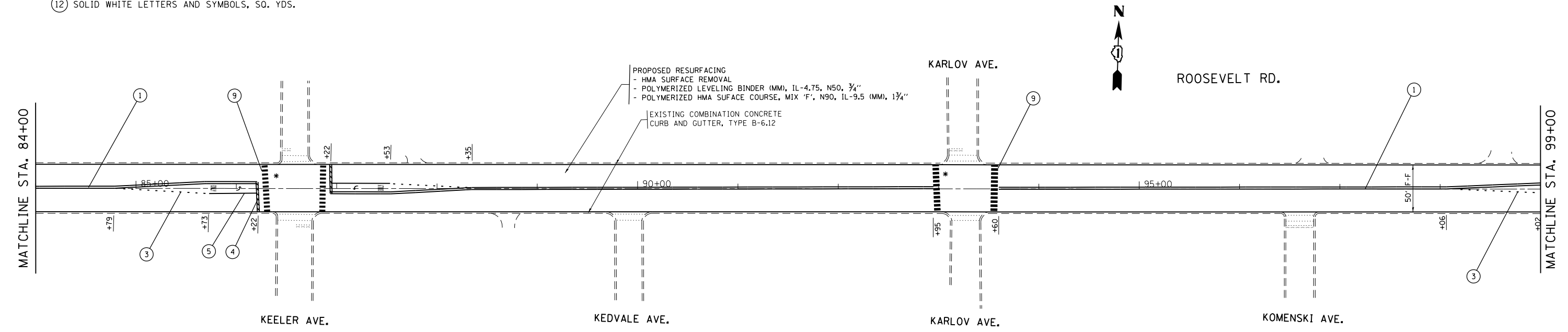
FILE NAME =	USER NAME = gaglanobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN ROOSEVELT ROAD (LARAMIE AVENUE TO PULASKI ROAD)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	0514-shr-plan.dgn	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	347	2013-070 RS	COOK	25	8
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		STA. 39+00.00	TO	STA. 69+00.00	CONTRACT NO. 60X47			ILLINOIS FED. AID PROJECT		
	PLOT DATE = 3/5/2014	DATE -	REVISED -										



LEGEND

- ① DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② SKIP DASH WHITE LANE LINE 4", 10' SOLID - 30' SKIP
- ③ DOTTED WHITE LANE LINE, 6", 2' SOLID - 6' SKIP
- ④ SOLID WHITE LINE STOP BAR, 24"
- ⑤ SOLID WHITE LINE TURN LANE, 6"
- ⑥ SOLID WHITE LINE CROSSWALK, 12", 6' C-C
- ⑦ SOLID WHITE LINE LANE CHANNELIZATION, 8"
- ⑧ SOLID WHITE LINE DIAGONAL, 12", 45° 10' C-C
- ⑨ SOLID WHITE LINE SCHOOL CROSSWALK, 24", 2' C-C
- ⑩ SOLID YELLOW LINE DIAGONAL, 12", 15' C-C
- ⑪ SOLID WHITE LINE BIKE LANE, 4"
- ⑫ SOLID WHITE LETTERS AND SYMBOLS, SQ. YDS.

* ALL PROPOSED CROSS WALKS AS PER CITY OF CHICAGO PAVEMENT MARKING SHOWN ON PAGE 40



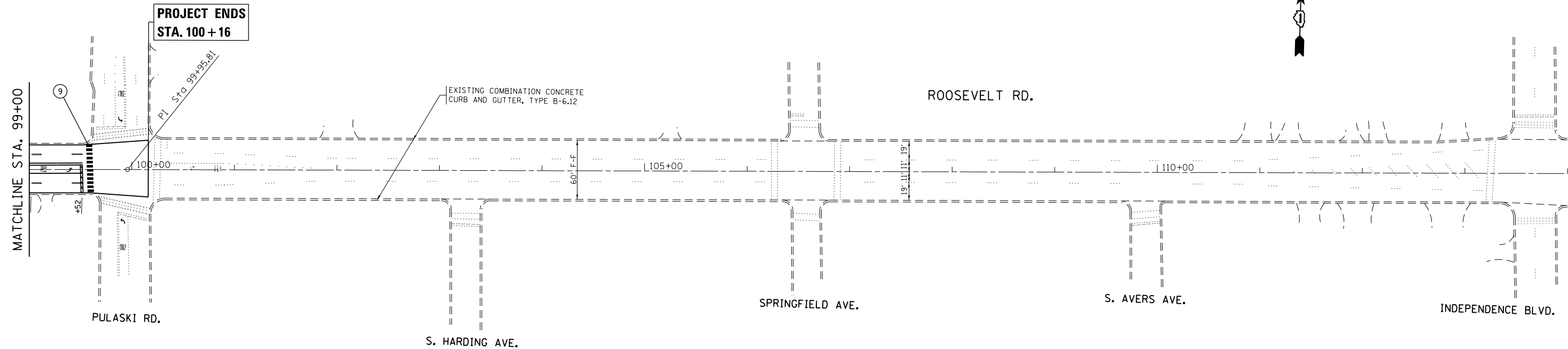
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
ROOSEVELT ROAD (LARAMIE AVENUE TO PULASKI ROAD)**

SCALE: 1" = 50' SHEET OF SHEETS STA. 69+00.00 TO STA. 99+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	9
CONTRACT NO. 60X47				
ILLINOIS FED. AID PROJECT				



* ALL PROPOSED CROSS WALKS
AS PER CITY OF CHICAGO PAVEMENT
MARKING SHOWN ON PAGE 40

LEGEND

- ① DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② SKIP DASH WHITE LANE LINE 4", 10' SOLID - 30' SKIP
- ③ DOTTED WHITE LANE LINE, 6", 2' SOLID - 6' SKIP
- ④ SOLID WHITE LINE STOP BAR, 24"
- ⑤ SOLID WHITE LINE TURN LANE, 6"
- ⑥ SOLID WHITE LINE CROSSWALK, 12", 6' C-C
- ⑦ SOLID WHITE LINE LANE CHANNELIZATION, 8"
- ⑧ SOLID WHITE LINE DIAGONAL, 12", 45° 10' C-C
- ⑨ SOLID WHITE LINE SCHOOL CROSSWALK, 24", 2' C-C
- ⑩ SOLID YELLOW LINE DIAGONAL, 12", 15' C-C
- ⑪ SOLID WHITE LINE BIKE LANE, 4"
- ⑫ SOLID WHITE LETTERS AND SYMBOLS, SQ. YDS.

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
ROOSEVELT ROAD (LARAMIE AVENUE TO PULASKI ROAD)**

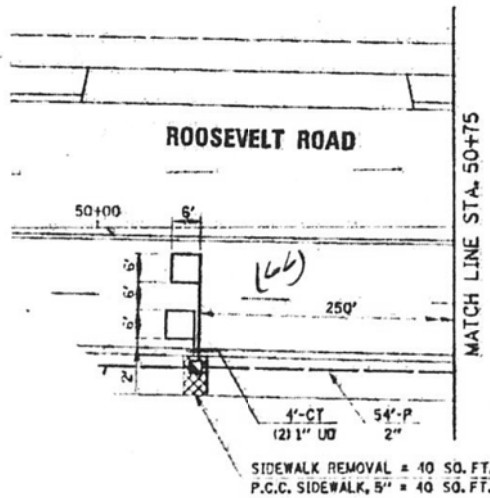
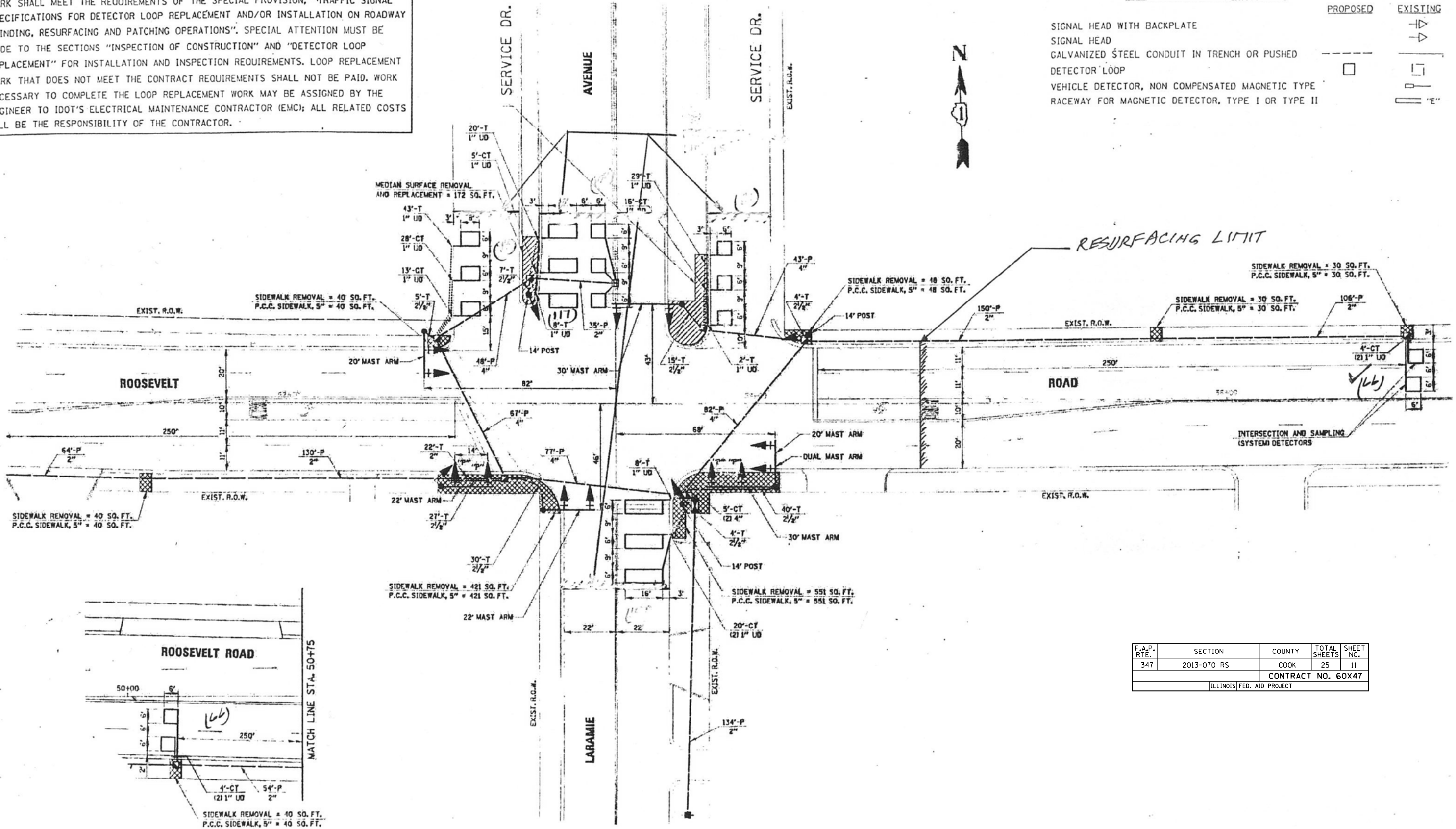
SCALE: 1" = 50' SHEET OF SHEETS STA. 99+00.00 TO STA. 114+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	10
CONTRACT NO. 60X47				
ILLINOIS FED. AID PROJECT				

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

TRAFFIC SIGNAL LEGEND

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



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	11
CONTRACT NO. 60X47				
ILLINOIS FED. AID PROJECT				

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

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

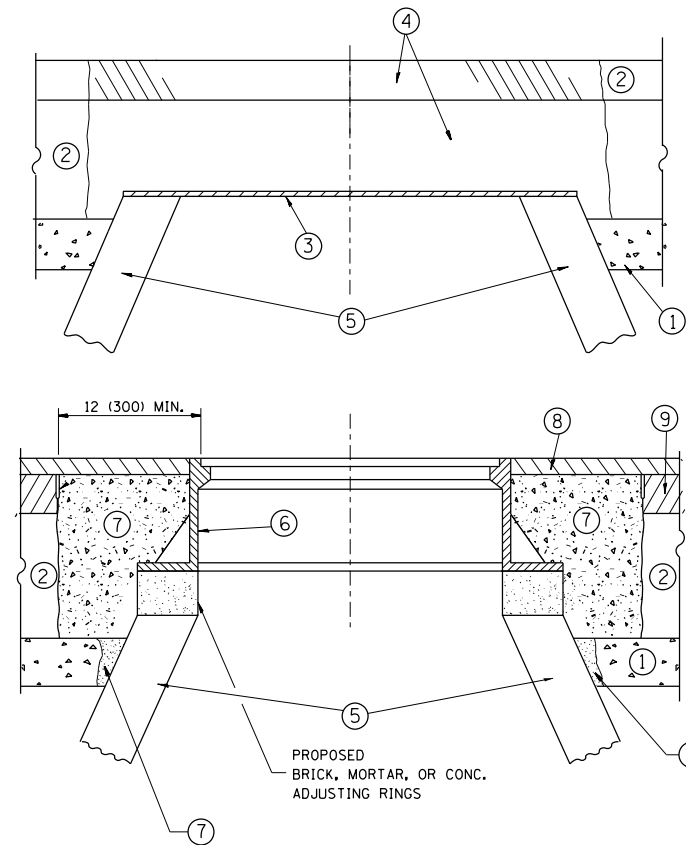
CODE	QUANTITY	UNIT	ITEM
88600600	66	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME	USER NAME	DESIGNED	REVISED
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		DRAWN	REVISED
		CHECKED	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
ROOSEVELT RD. @ LARAMIE AVE.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	11
CONTRACT NO. 60X47				



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

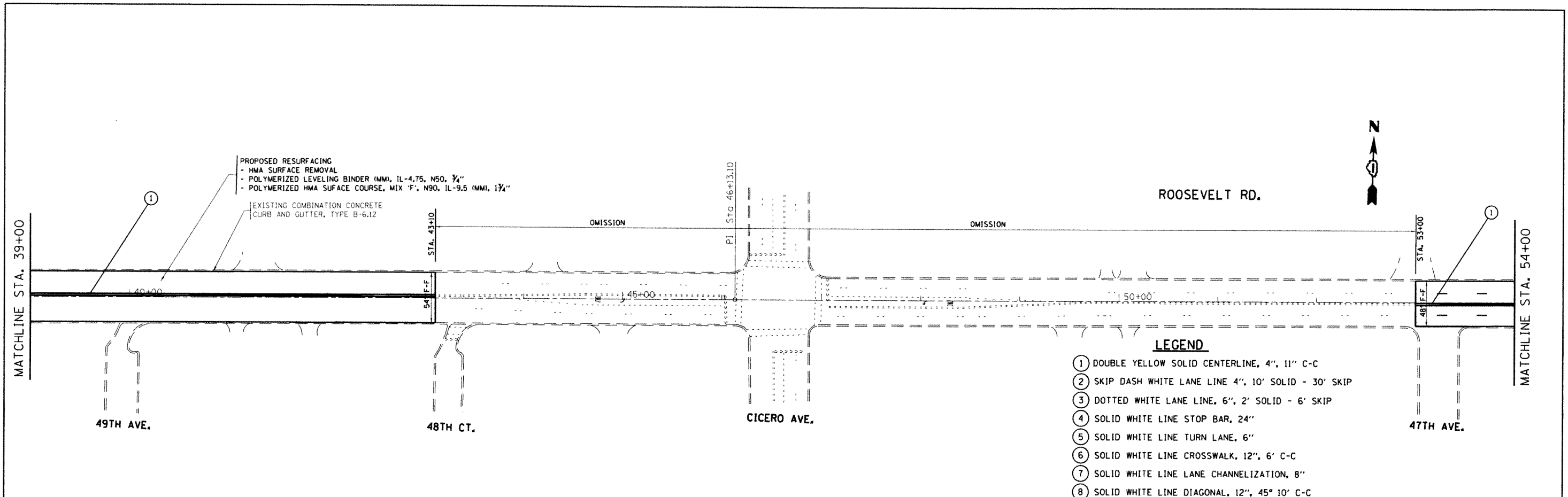
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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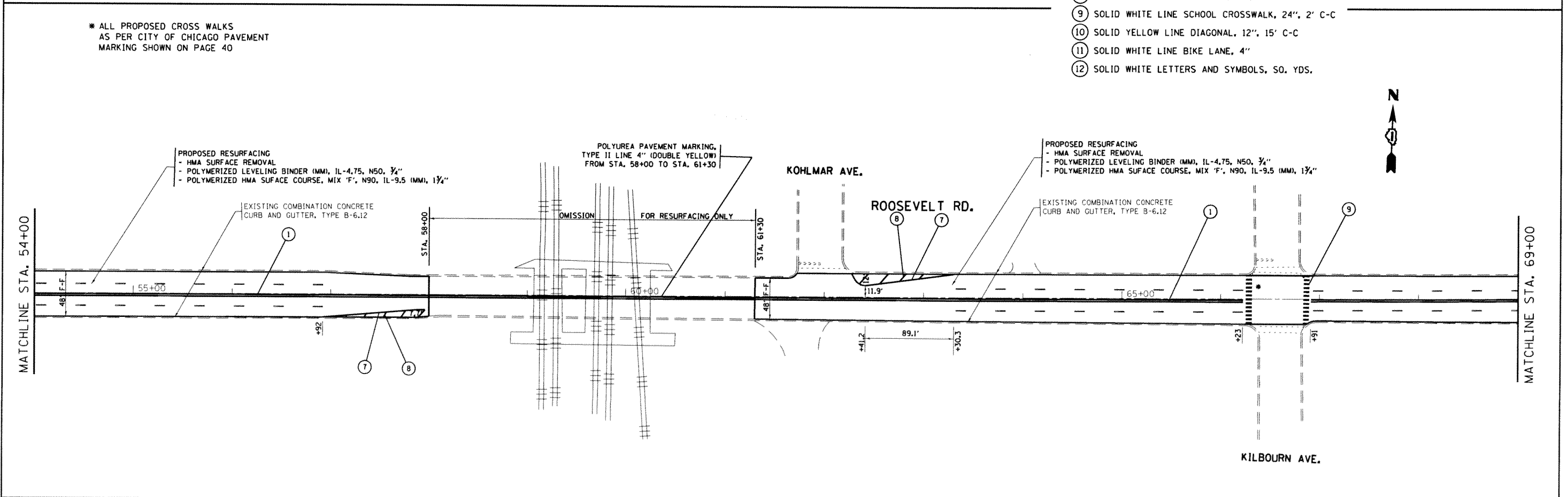
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
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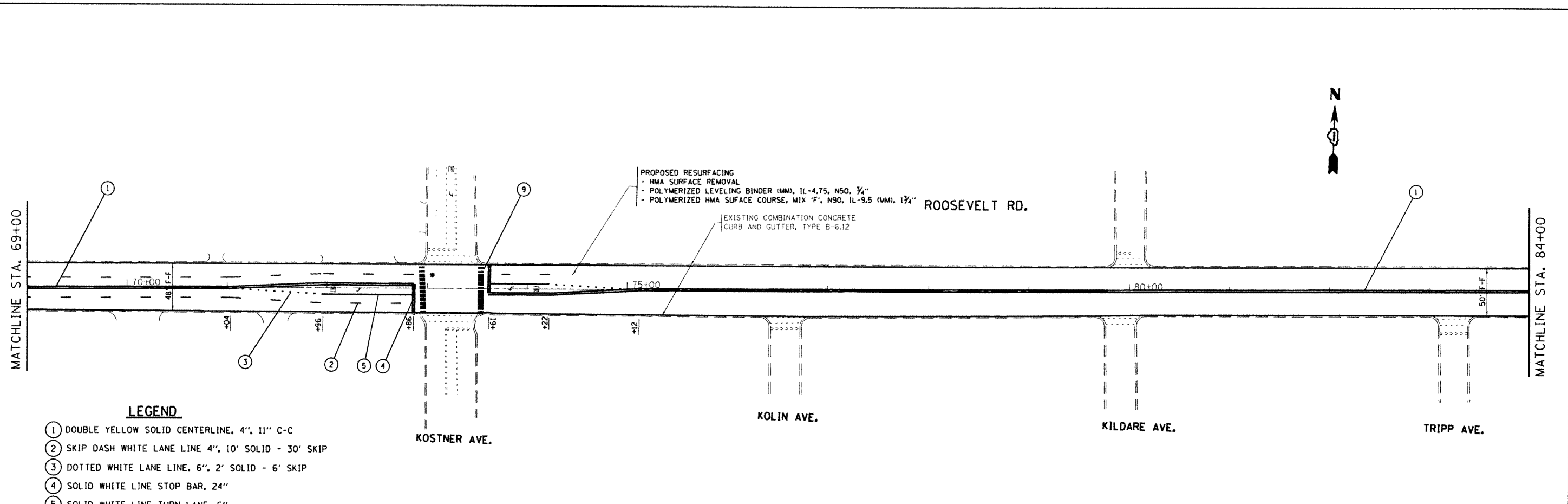
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BD600-03 (BD-8)		CONTRACT NO. 60X47		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* ALL PROPOSED CROSS WALKS AS PER CITY OF CHICAGO PAVEMENT MARKING SHOWN ON PAGE 40



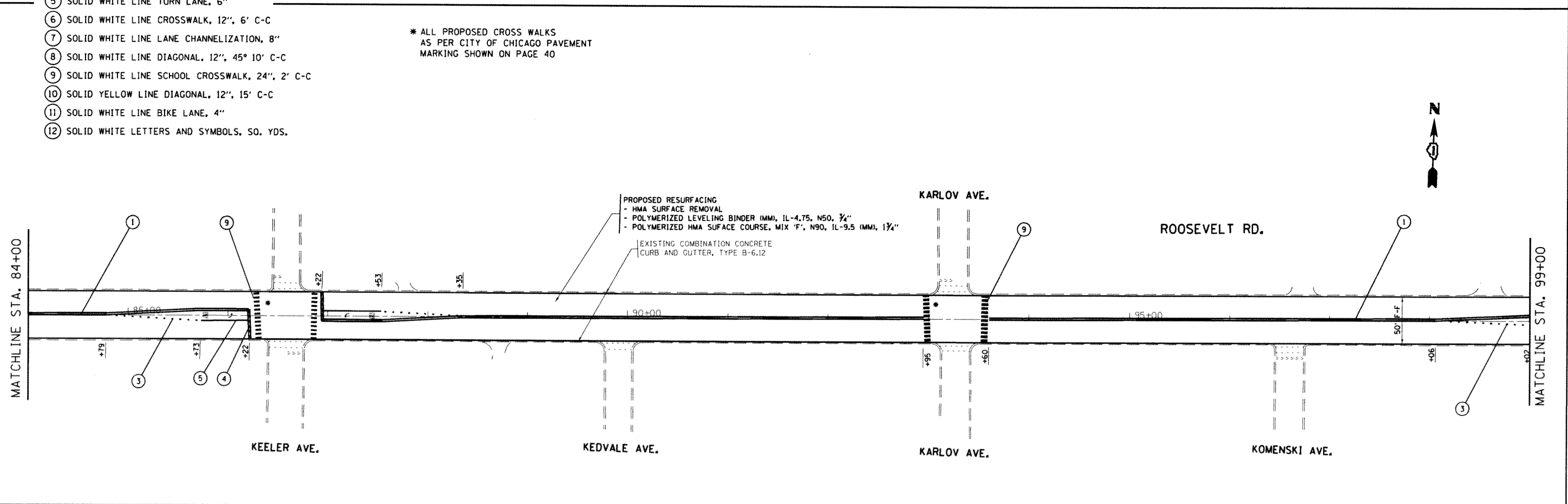
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	PLOT DATE = 2/27/2014	DATE -	REVISED -									ILLINOIS FED. AID PROJECT



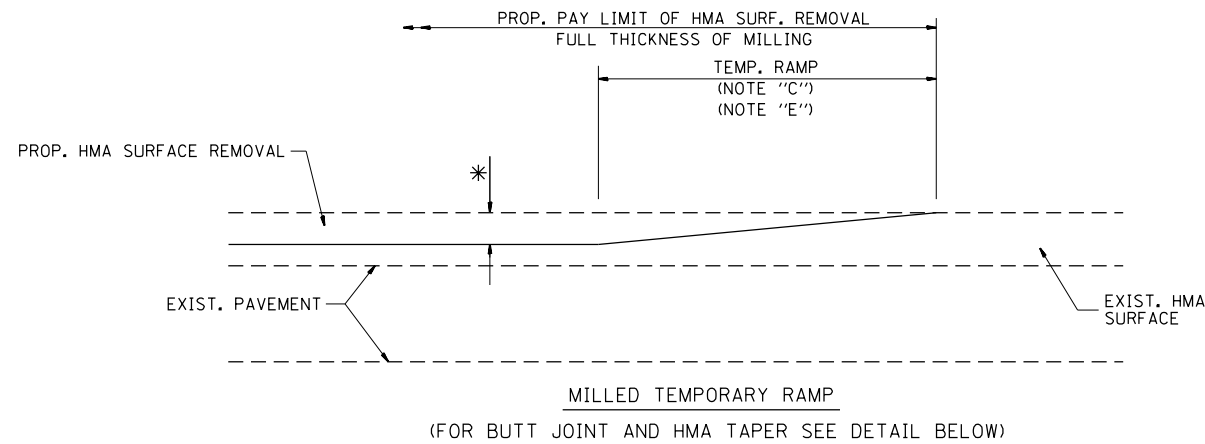
LEGEND

- ① DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② SKIP DASH WHITE LANE LINE 4", 10' SOLID - 30' SKIP
- ③ DOTTED WHITE LANE LINE, 6", 2' SOLID - 6' SKIP
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- ⑥ SOLID WHITE LINE CROSSWALK, 12", 6' C-C
- ⑦ SOLID WHITE LINE LANE CHANNELIZATION, 8"
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- ⑩ SOLID YELLOW LINE DIAGONAL, 12", 15' C-C
- ⑪ SOLID WHITE LINE BIKE LANE, 4"
- ⑫ SOLID WHITE LETTERS AND SYMBOLS, SO. YDS.

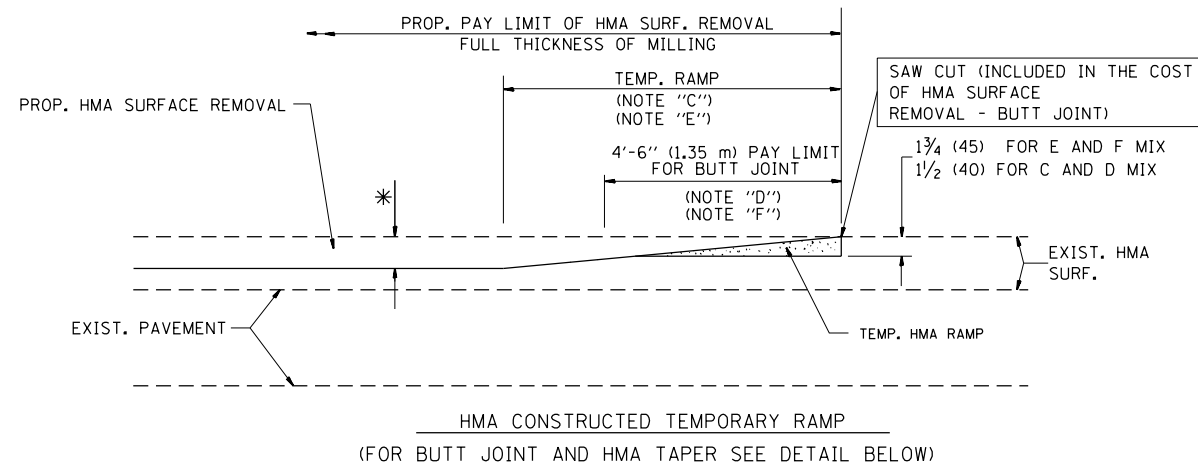
* ALL PROPOSED CROSS WALKS AS PER CITY OF CHICAGO PAVEMENT MARKING SHOWN ON PAGE 40



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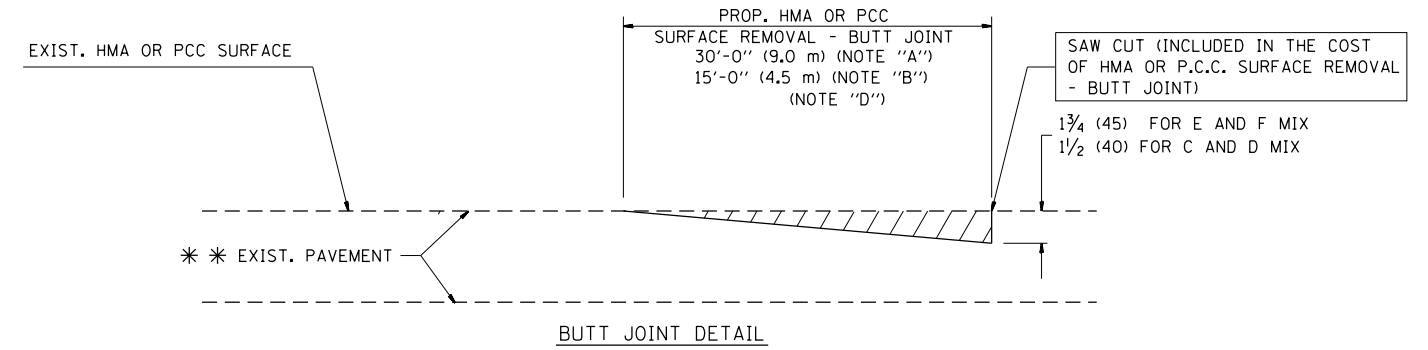


OPTION 1

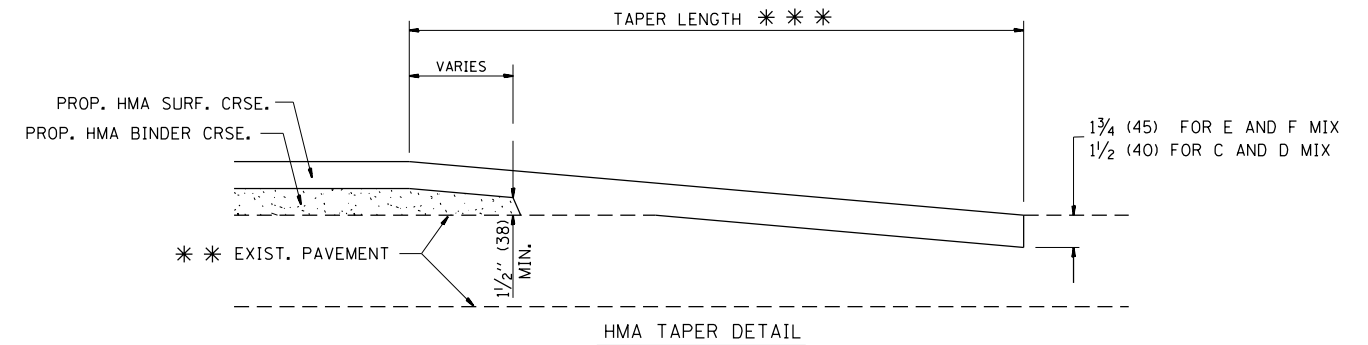


OPTION 2

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.

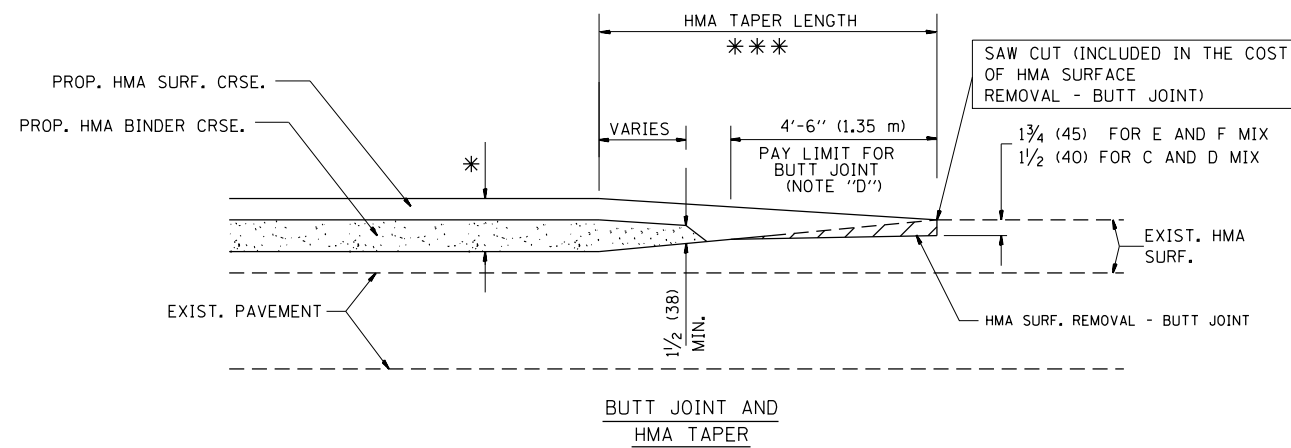
NOTES

- 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

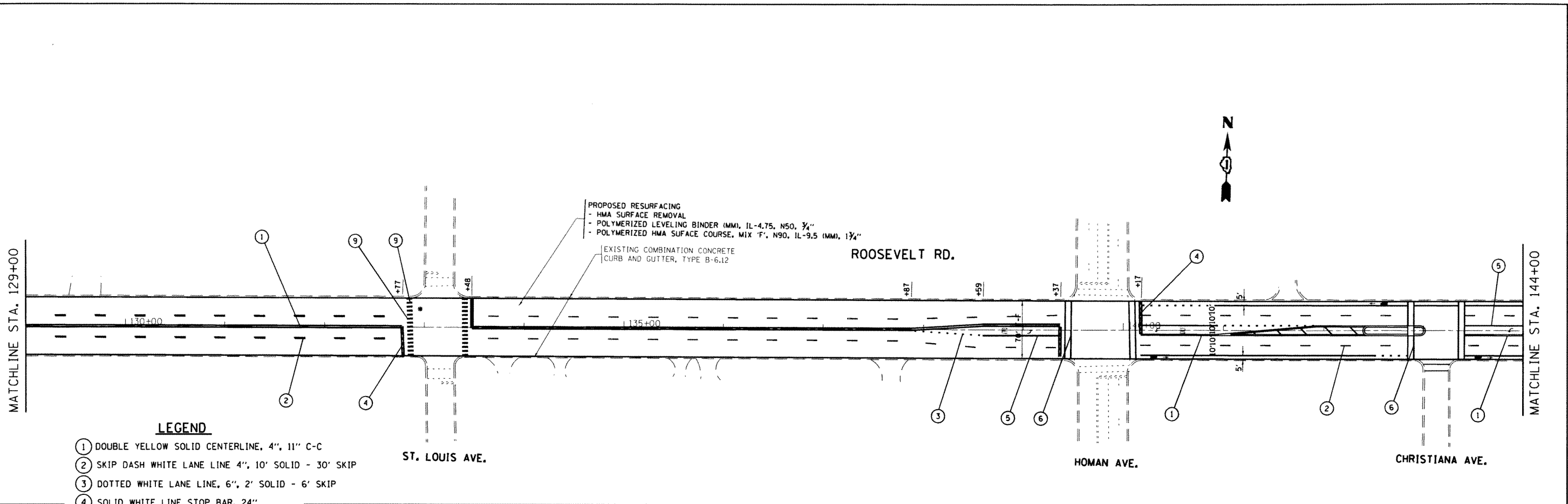
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	PLOT DATE = 3/5/2014	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

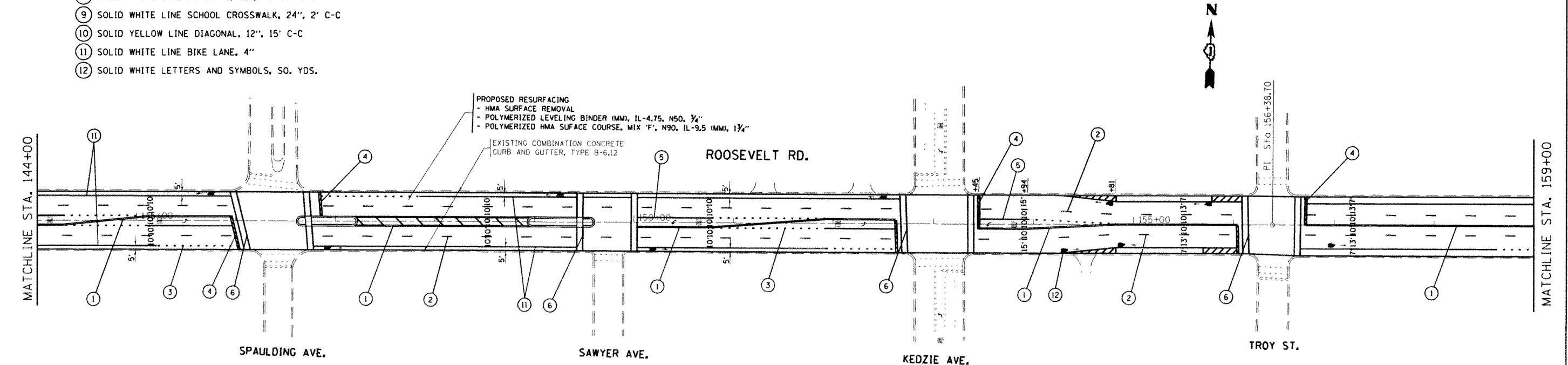
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	15
BD400-05 BD32		CONTRACT NO. 60X47		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
- ① DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
 - ② SKIP DASH WHITE LANE LINE 4", 10' SOLID - 30' SKIP
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 - ⑪ SOLID WHITE LINE BIKE LANE, 4"
 - ⑫ SOLID WHITE LETTERS AND SYMBOLS, 50. YDS.

* ALL PROPOSED CROSS WALKS AS PER CITY OF CHICAGO PAVEMENT MARKING SHOWN ON PAGE 40



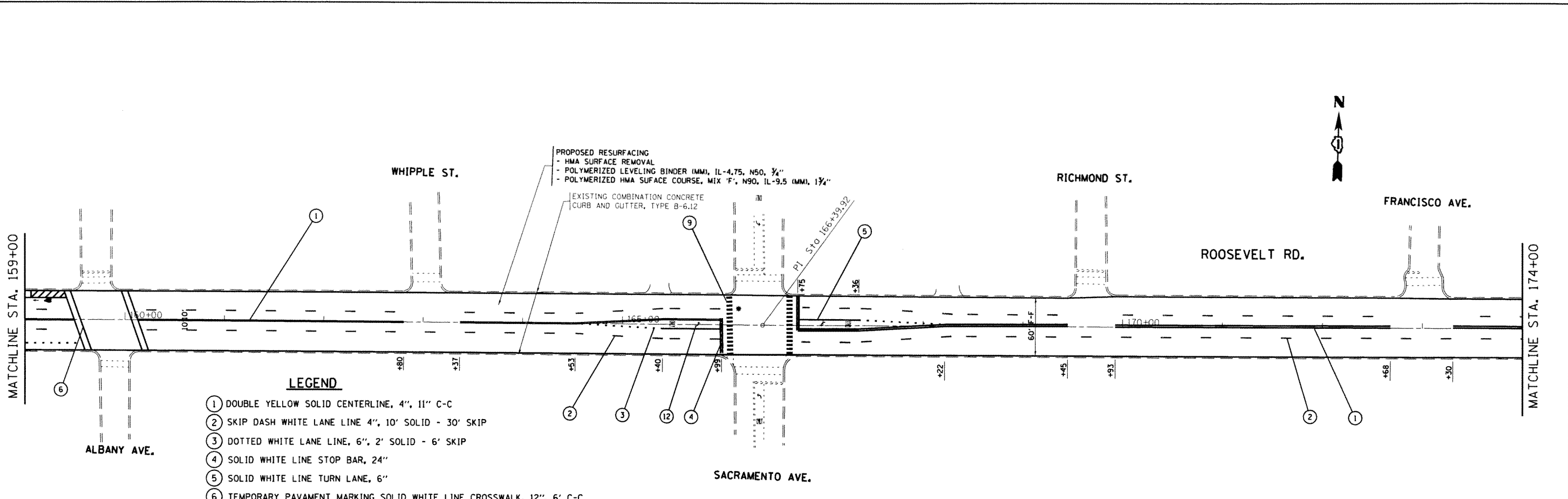
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
ROOSEVELT RD. FROM LARAMIE AVE. TO WESTERN AVE.**

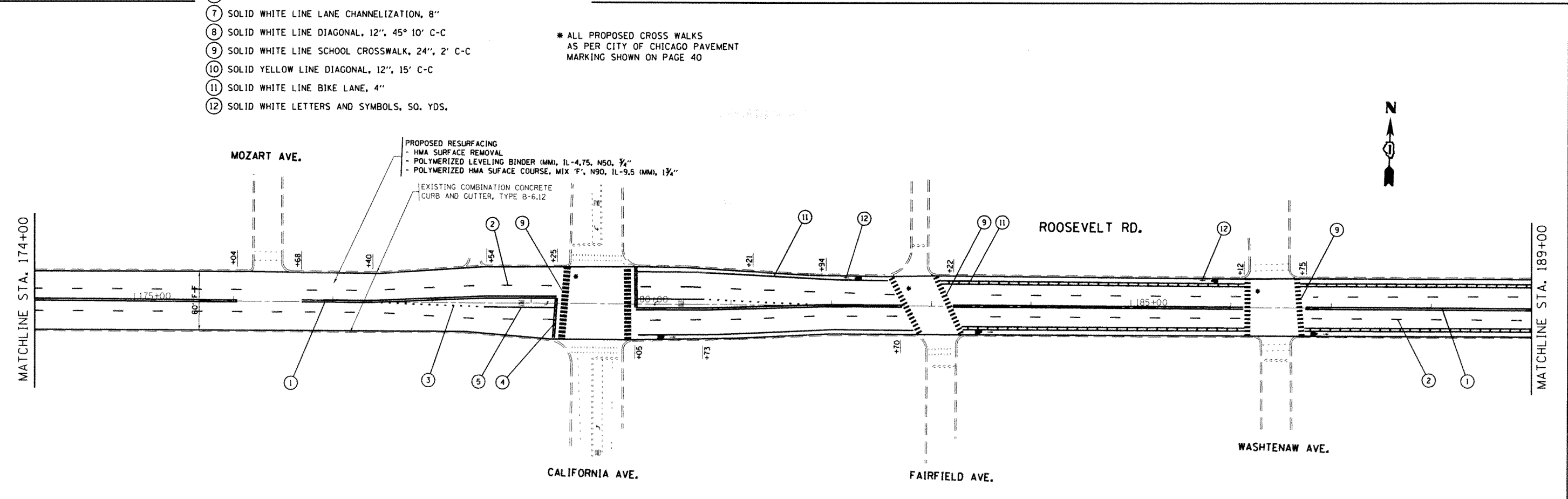
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	44	16
CONTRACT NO. 60X47				
ILLINOIS FED. AID PROJECT				

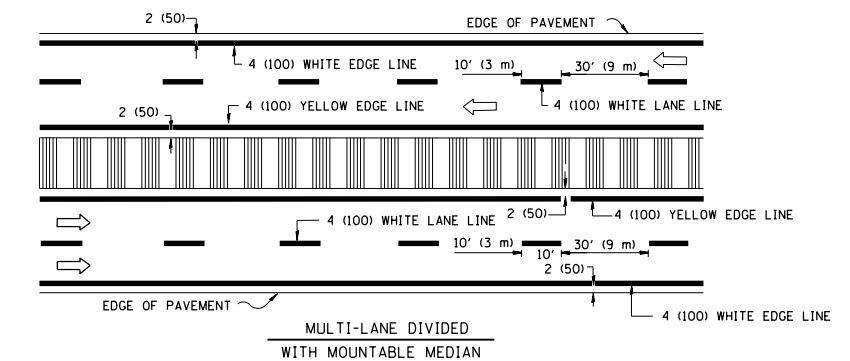
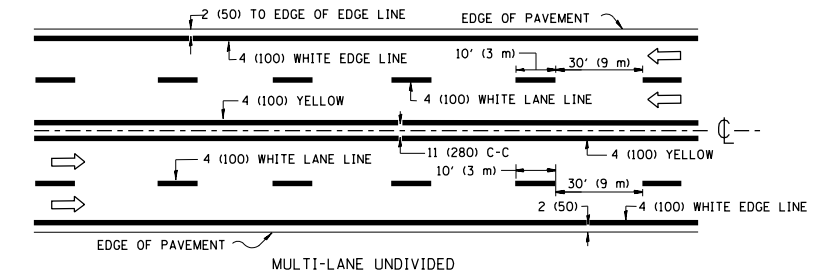
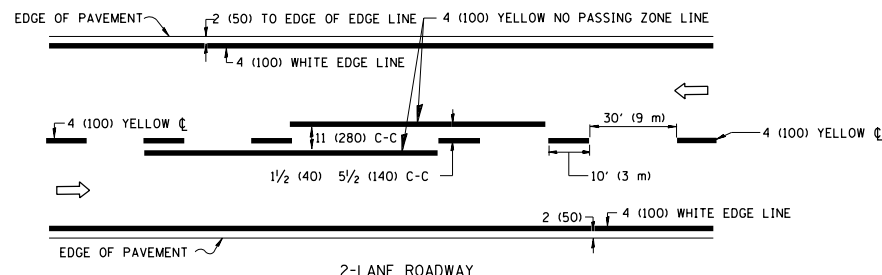


- LEGEND**
- ① DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
 - ② SKIP DASH WHITE LANE LINE 4", 10' SOLID - 30' SKIP
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 - ⑪ SOLID WHITE LINE BIKE LANE, 4"
 - ⑫ SOLID WHITE LETTERS AND SYMBOLS, 50. YDS.

* ALL PROPOSED CROSS WALKS AS PER CITY OF CHICAGO PAVEMENT MARKING SHOWN ON PAGE 40

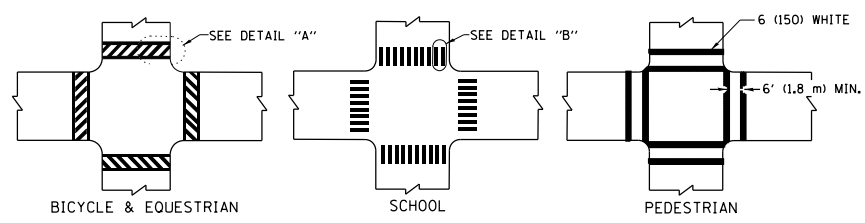


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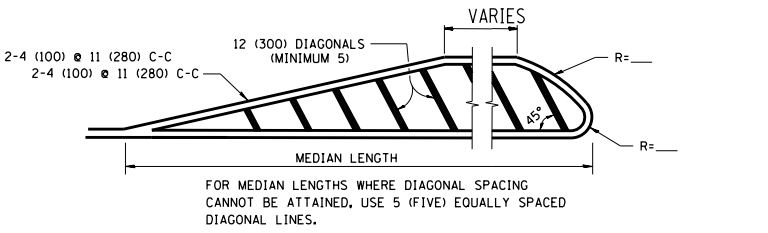
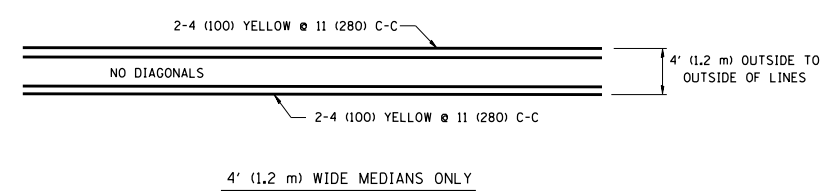


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

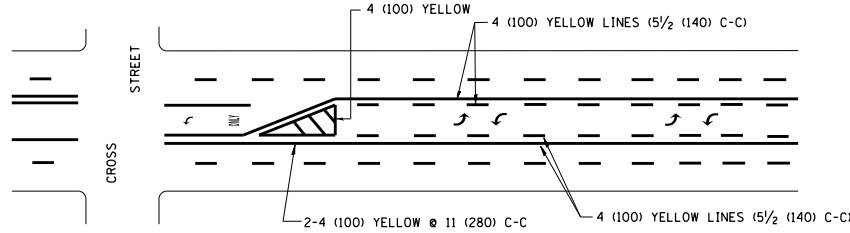


TYPICAL CROSSWALK MARKING

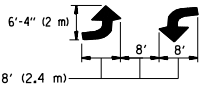


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

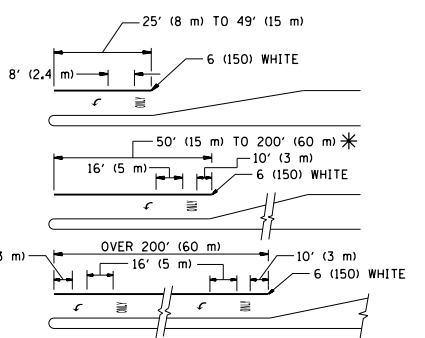


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

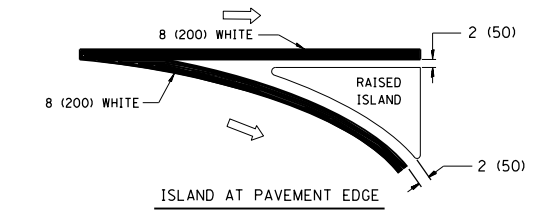
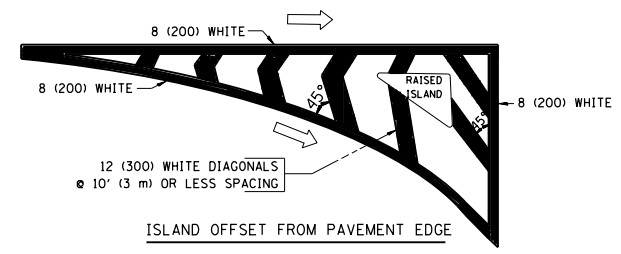


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 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; 5/2 (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" 15 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.

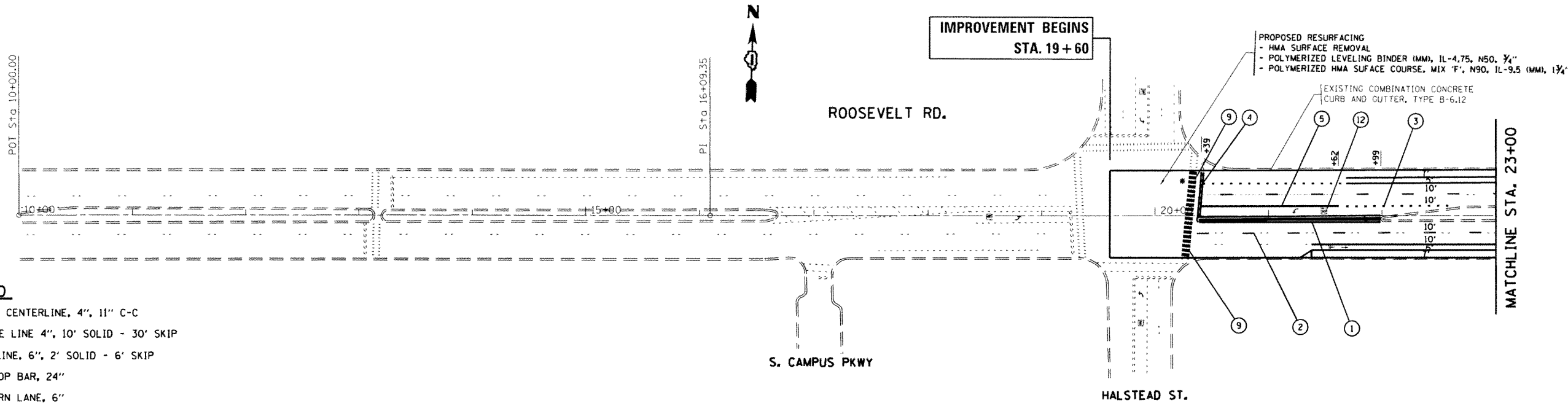
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 3/5/2014	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.

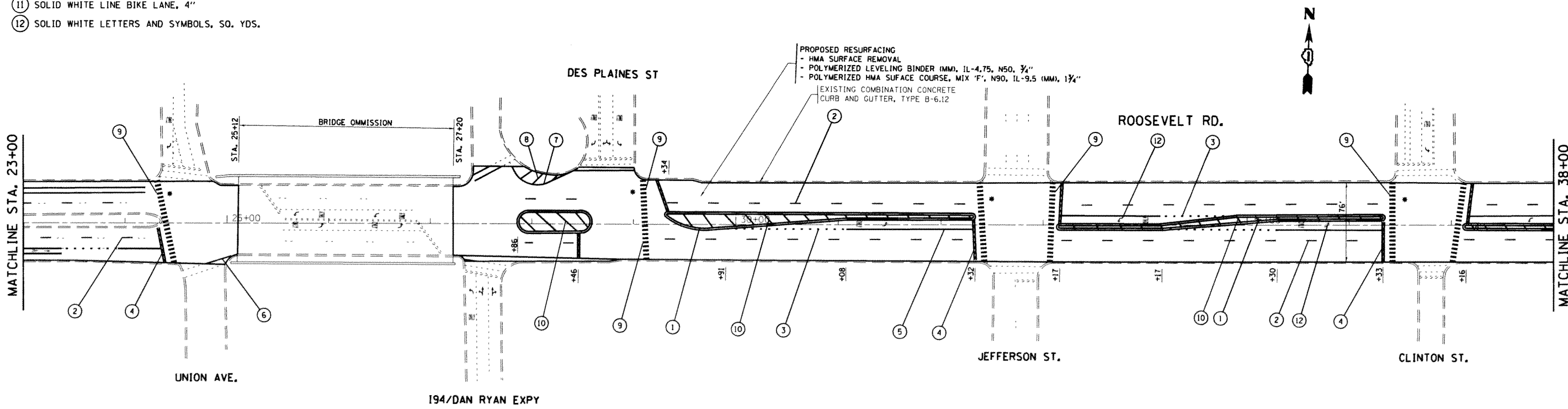
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	18
TC-13		CONTRACT NO. 60X47		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



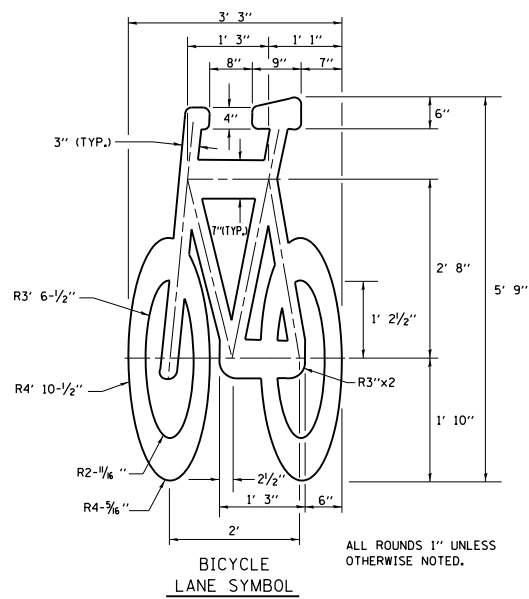
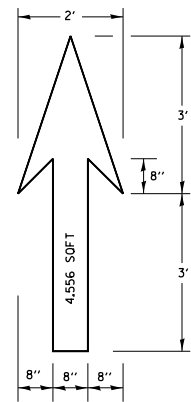
LEGEND

- ① DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② SKIP DASH WHITE LANE LINE 4", 10' SOLID - 30' SKIP
- ③ DOTTED WHITE LANE LINE, 6", 2' SOLID - 6' SKIP
- ④ SOLID WHITE LINE STOP BAR, 24"
- ⑤ SOLID WHITE LINE TURN LANE, 6"
- ⑥ SOLID WHITE LINE CROSSWALK, 12", 6' C-C
- ⑦ SOLID WHITE LINE LANE CHANNELIZATION, 8"
- ⑧ SOLID WHITE LINE DIAGONAL, 12", 45° 10' C-C
- ⑨ SOLID WHITE LINE SCHOOL CROSSWALK, 24", 2' C-C
- ⑩ SOLID YELLOW LINE DIAGONAL, 12", 15' C-C
- ⑪ SOLID WHITE LINE BIKE LANE, 4"
- ⑫ SOLID WHITE LETTERS AND SYMBOLS, 50. YDS.

* ALL PROPOSED CROSS WALKS AS PER CITY OF CHICAGO PAVEMENT MARKING SHOWN ON PAGE 40

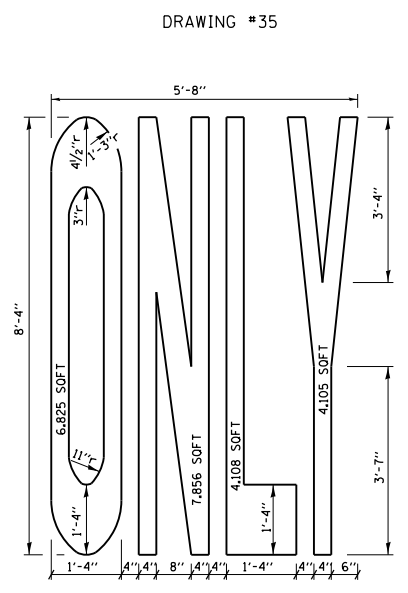
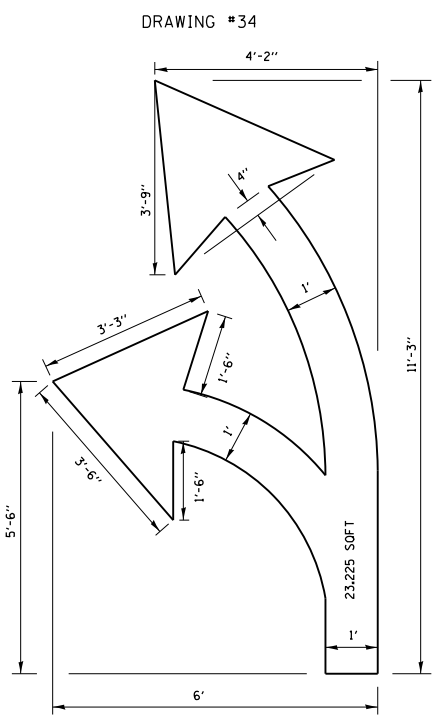
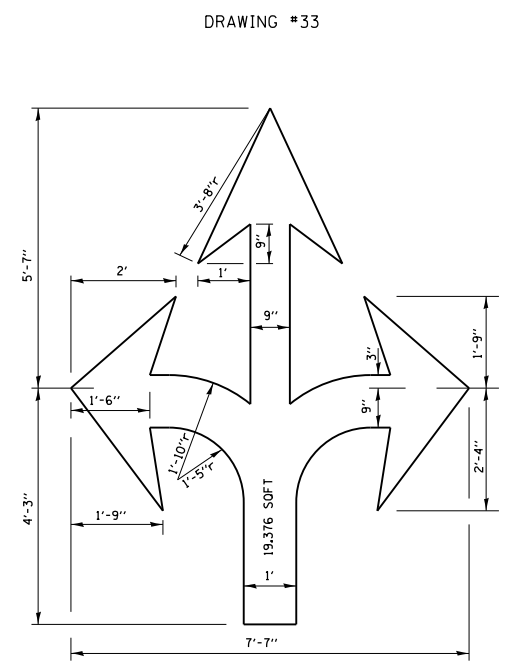
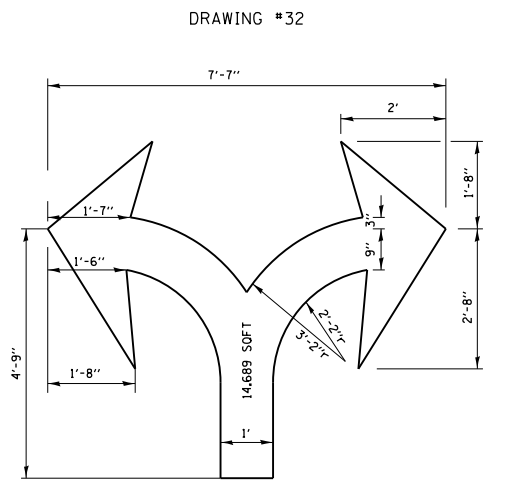
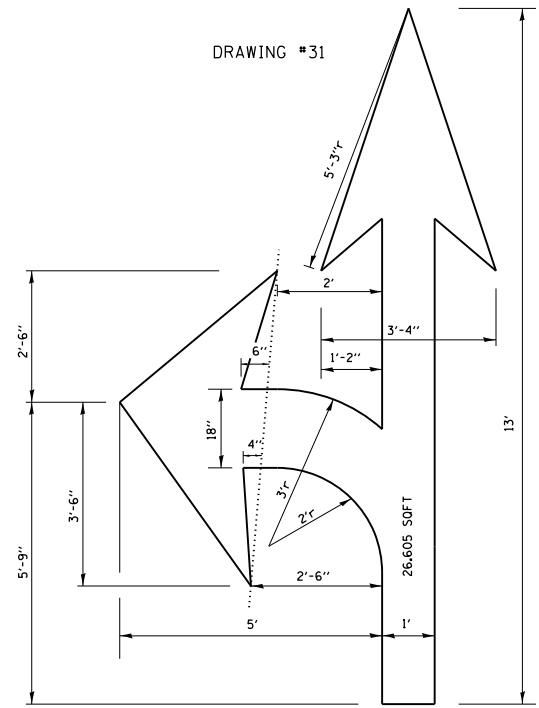
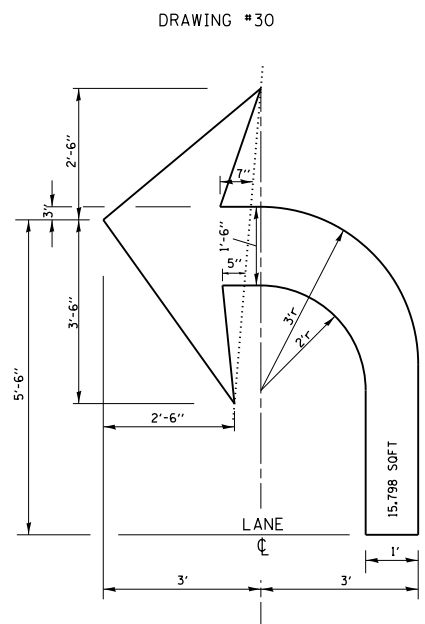
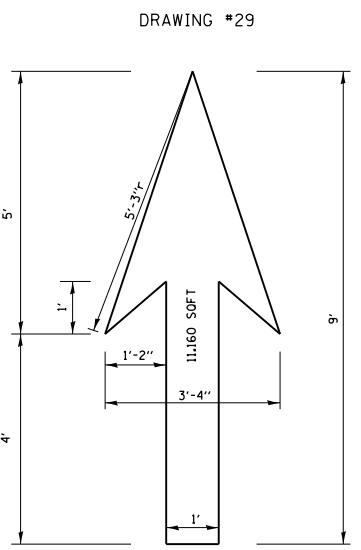


FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	Default	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60X47
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT



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

TYPICAL BIKE LANE SYMBOLS
 DRAWING #28



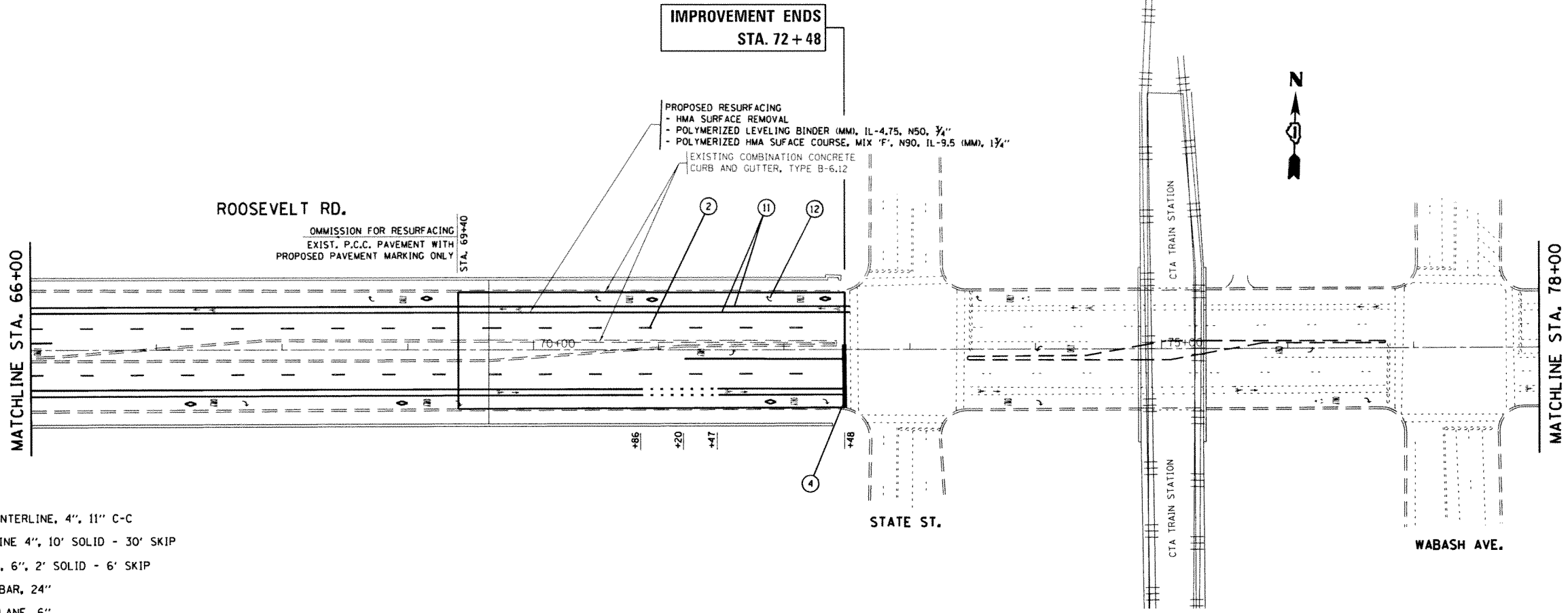
NOTE:
 ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
et:\pwork\pwork\d0365155\Drawings\std.dgn		DRAWN -	REVISED - K. ENG 01-12-12
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/5/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

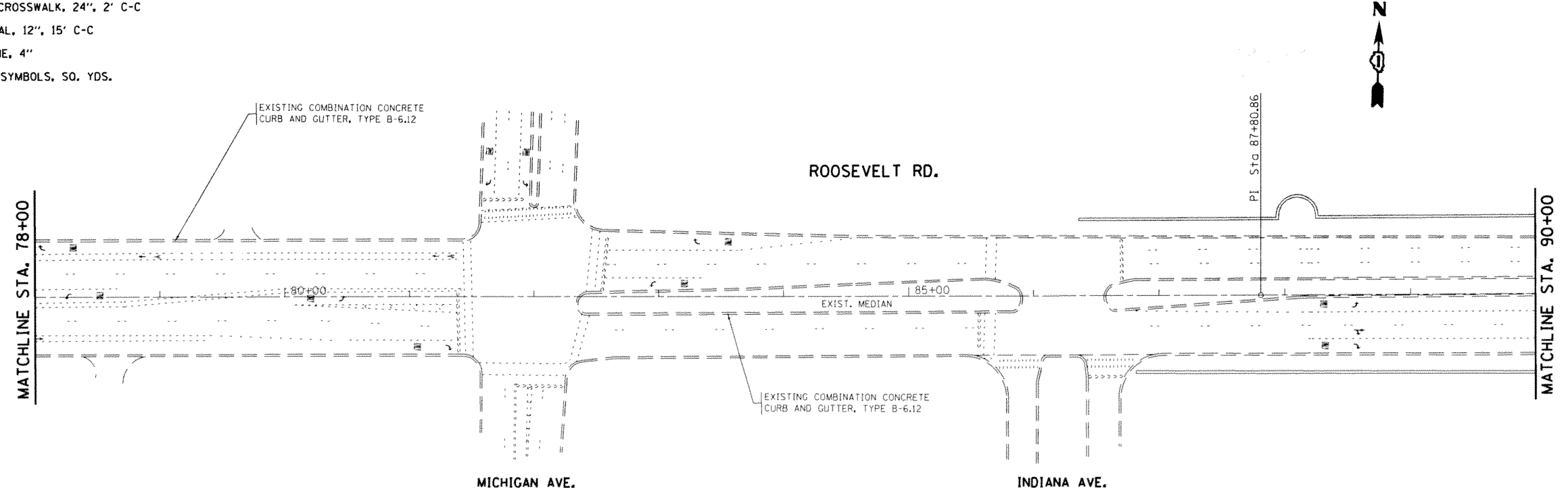
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-24			CONTRACT NO. 60X47	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



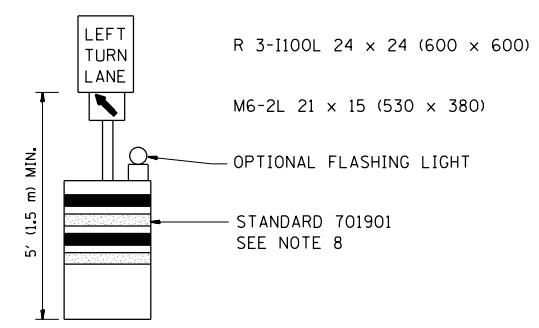
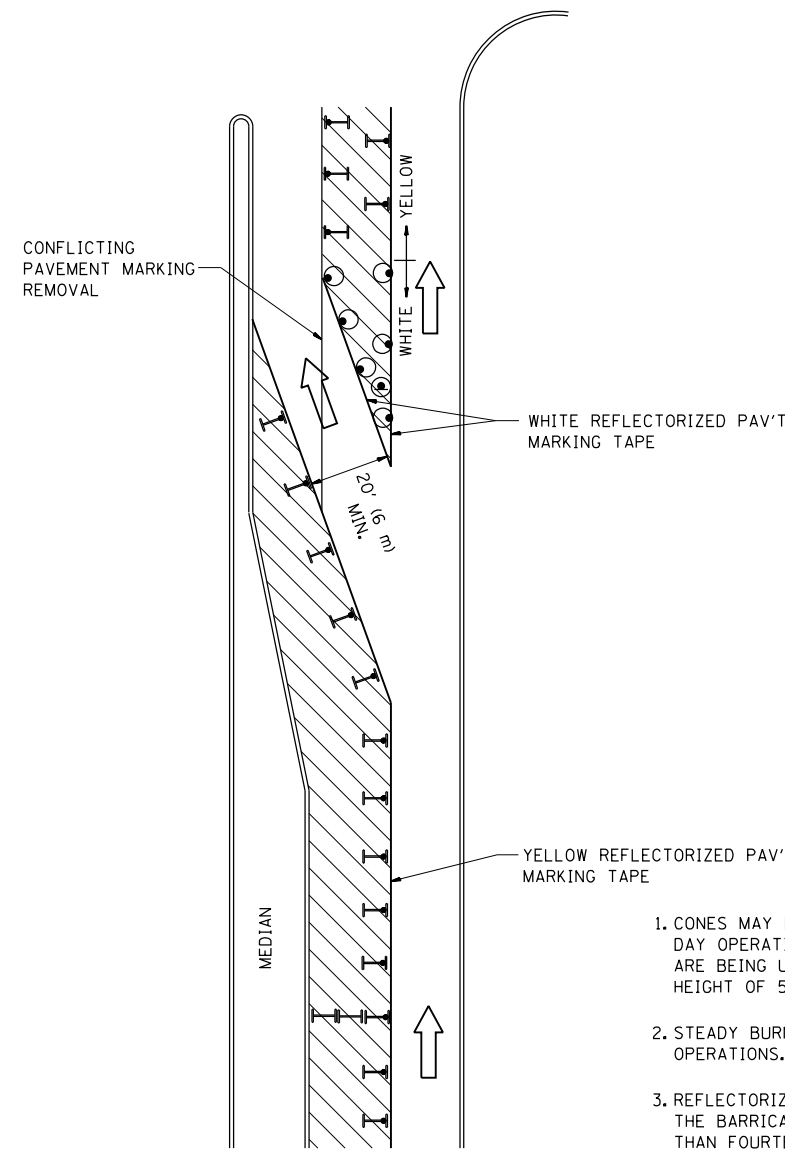
LEGEND

- ① DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② SKIP DASH WHITE LANE LINE 4", 10' SOLID - 30' SKIP
- ③ DOTTED WHITE LANE LINE, 6", 2' SOLID - 6' SKIP
- ④ SOLID WHITE LINE STOP BAR, 24"
- ⑤ SOLID WHITE LINE TURN LANE, 6"
- ⑥ SOLID WHITE LINE CROSSWALK, 12", 6' C-C
- ⑦ SOLID WHITE LINE LANE CHANNELIZATION, 8"
- ⑧ SOLID WHITE LINE DIAGONAL, 12", 45° 10' C-C
- ⑨ SOLID WHITE LINE SCHOOL CROSSWALK, 24", 2' C-C
- ⑩ SOLID YELLOW LINE DIAGONAL, 12", 15' C-C
- ⑪ SOLID WHITE LINE BIKE LANE, 4"
- ⑫ SOLID WHITE LETTERS AND SYMBOLS, 50. YDS.

* ALL PROPOSED CROSS WALKS AS PER CITY OF CHICAGO PAVEMENT MARKING SHOWN ON PAGE 40



FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 60X47				
Default		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							









GENERAL NOTES

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

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

LEGEND

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

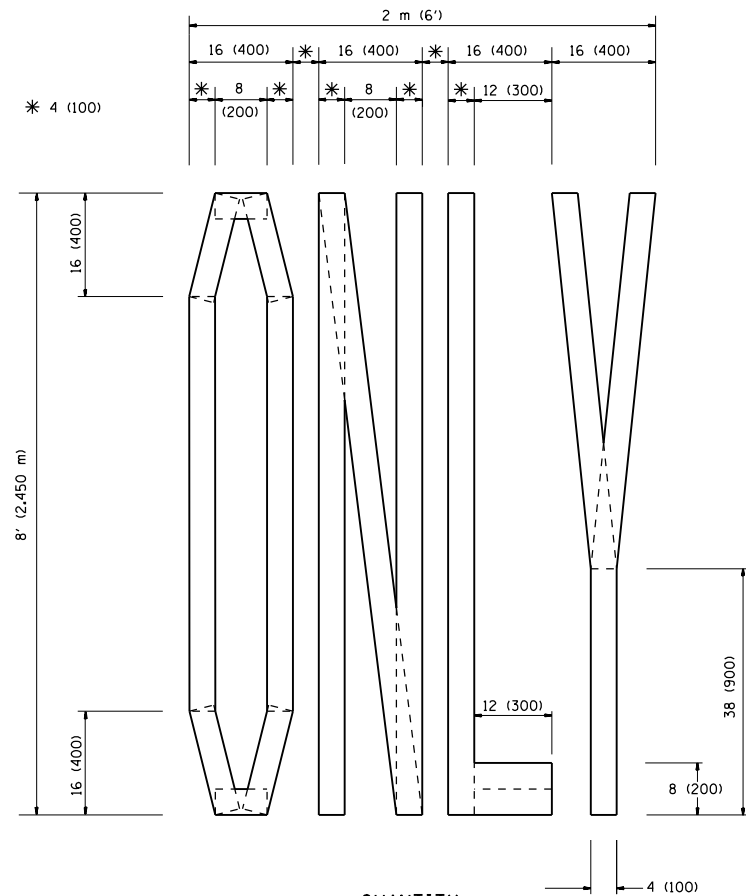
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

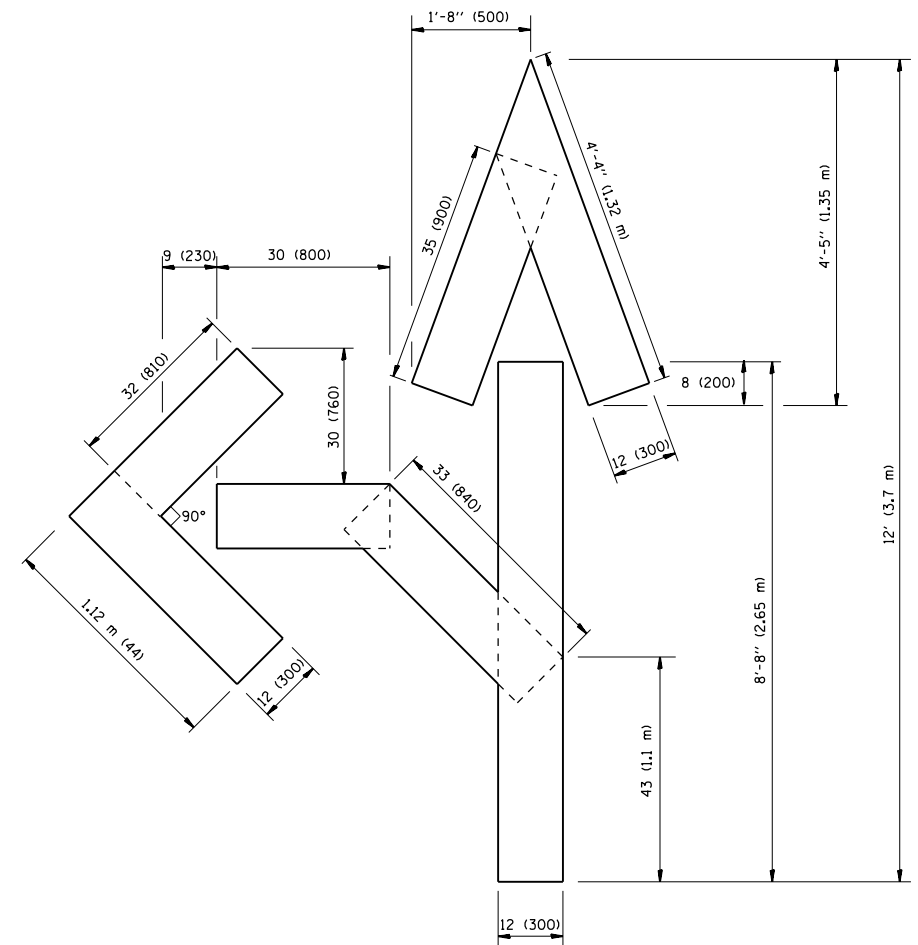
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

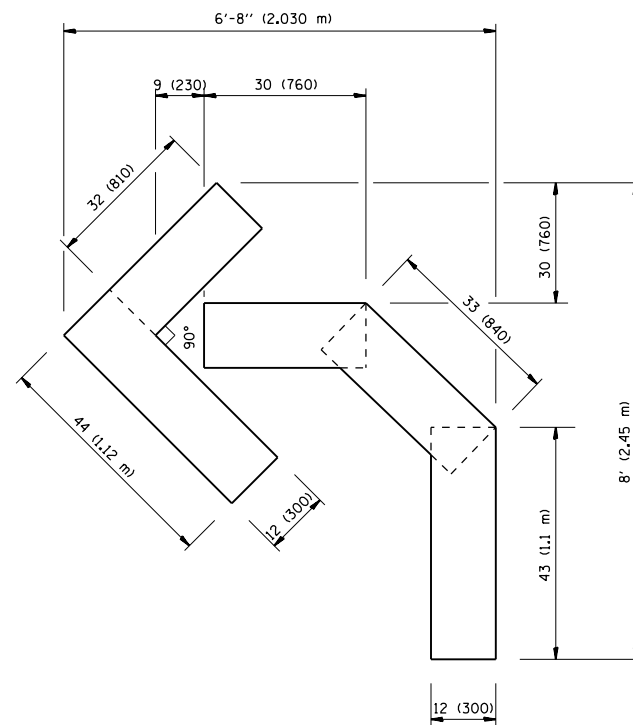
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	22
TC-14			CONTRACT NO. 60X47	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



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



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

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

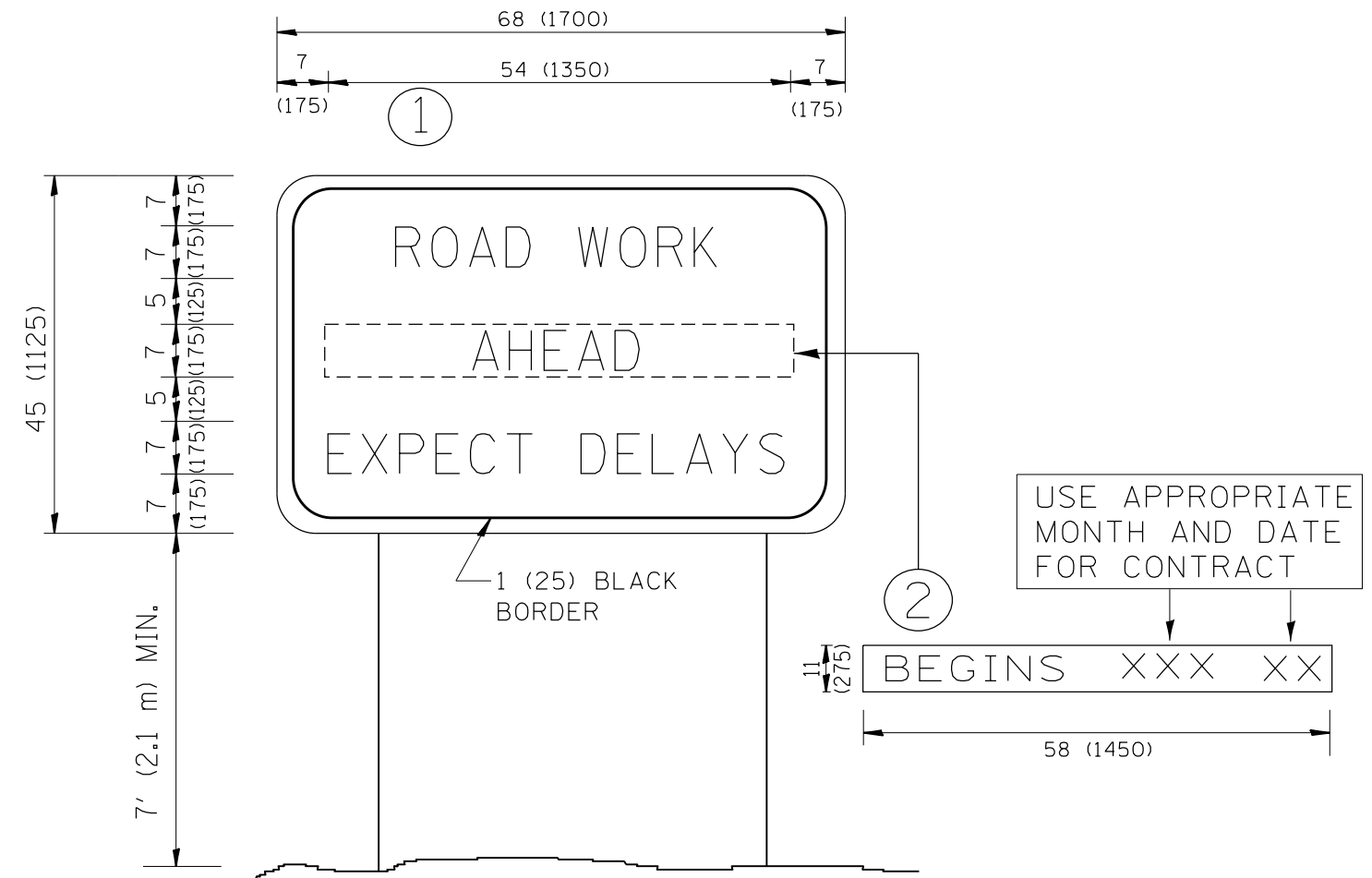
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 3/5/2014	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	23
TC-16		CONTRACT NO. 60X47		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

FILE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
et:\pw\work\p\dot\gaglianobt\d0365155\DotStd.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
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	PLOT DATE = 3/5/2014	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070 RS	COOK	25	24
TC-22			CONTRACT NO. 60X47	
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.

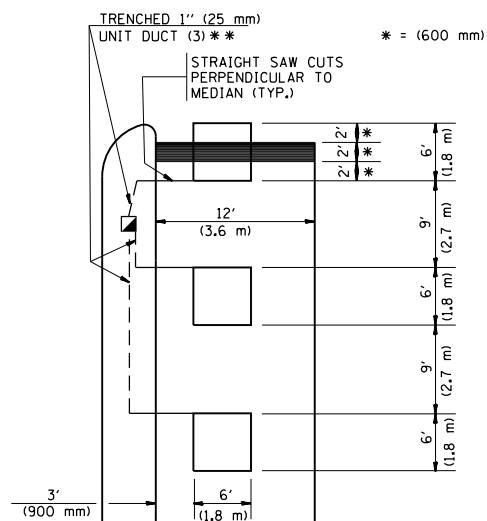


* = (600 mm)

** 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)**

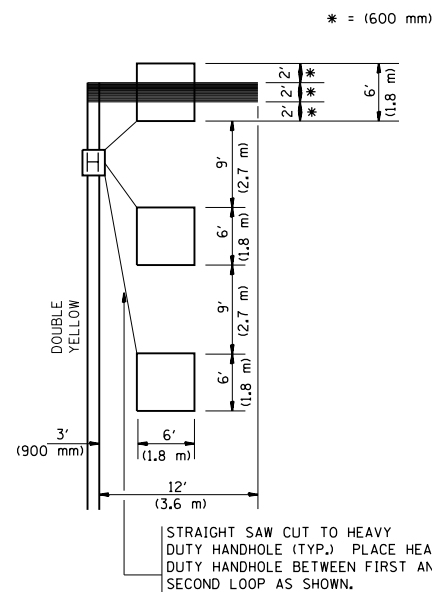
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

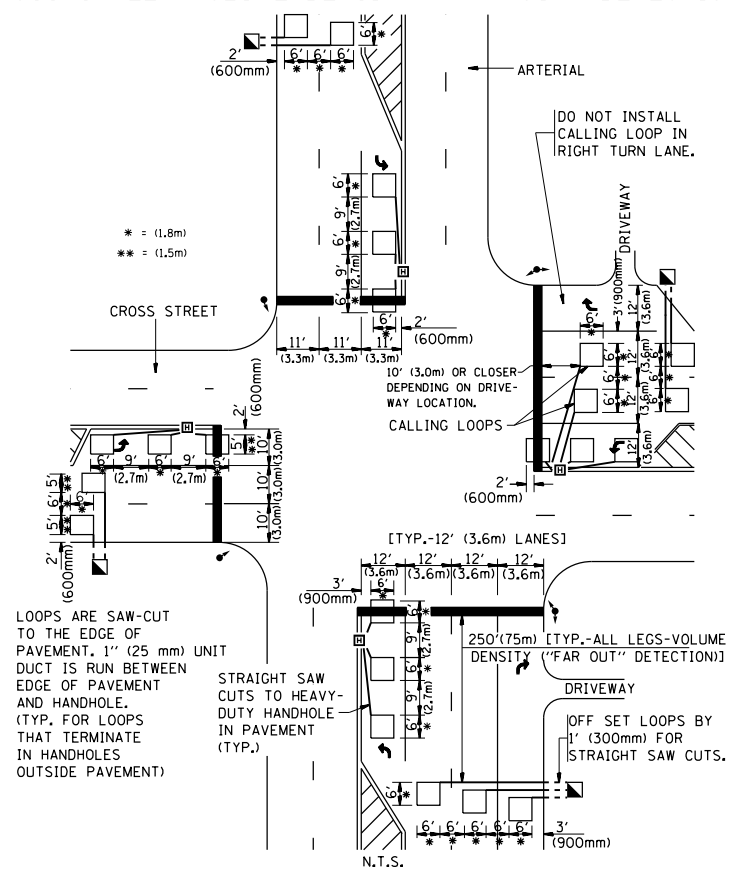
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



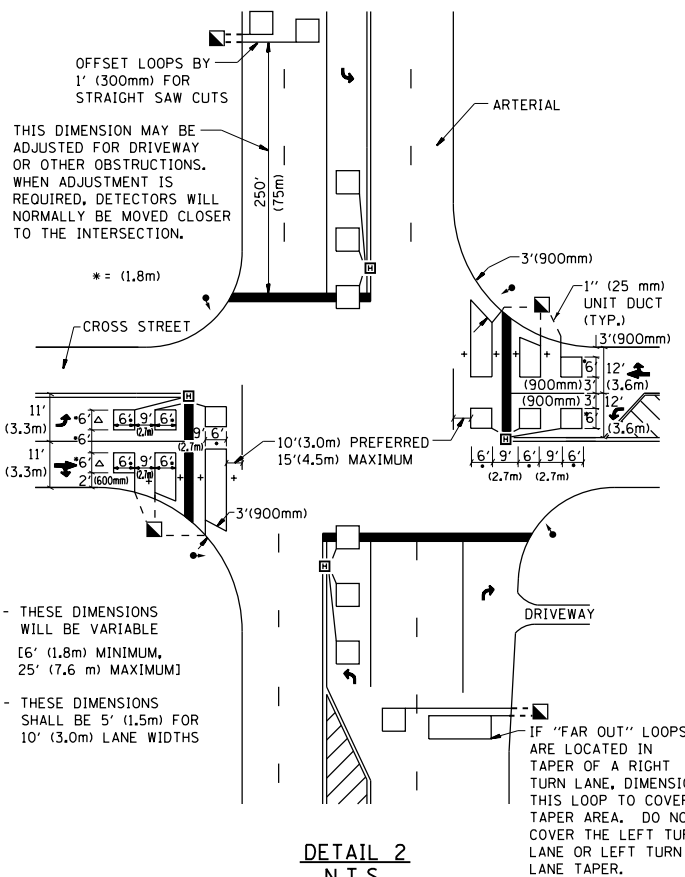
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2013-070RS	COOK	25	25
TS-07		CONTRACT NO. 60X47		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				