

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2020-065-1	COOK	13	1
		ILLINOIS	CONTRACT NO. 62L43	

01-15-2021 LETTING ITEM 168

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 347: IL 38 (ROOSEVELT RD)
FROM HARRISON ST TO MANHEIM RD
SECTION: 2020-065-1
STANDARD CRACK JOINT SEALING
COOK COUNTY

C-91-262-20

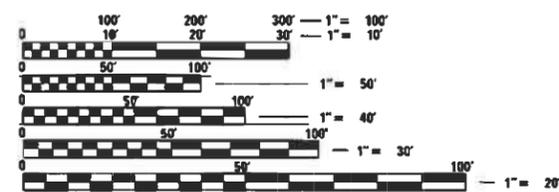
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE
VILLAGES OF WESTCHESTER & HILLSIDE

D-91-464-20



TRAFFIC DATA:
ROOSEVELT ROAD 2019 ADT = 24,700
POSTED SPEED LIMIT = 35-45 MPH



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

PROVISO TOWNSHIP

GROSS AND NET LENGTH = 9,172 FT. = 1.74 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 23, 2020
Anthony J. Quinlan REGIONAL ENGINEER
October 2, 2020
Scott A. Elk ENGINEER OF DESIGN AND ENVIRONMENT
October 2, 2020
Samuel J. ... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

PROJECT MANAGER J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62L43

INDEX OF SHEETS

STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION		
1	TITLE SHEET	442101-09	CLASS B PATCHES
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES		
3-4	SUMMARY OF QUANTITIES	701101-05	OFF ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
5	EXISTING CROSS SECTIONS	701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > = 45 MPH
6-9	PROPOSED PLANS AND PAVEMENT MARKING PLANS		
10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701421-08	LANE CLOSURE, MULTILANE, DAY, OPERATIONS ONLY, FOR SPEEDS > = 45 MPH TO 55 MPH
11	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > = 45 MPH
12	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS < 40 MPH
13	ARTERIAL ROAD INFORMATION SIGNING (TC-22)	701428-01	MULTILANE, DAY OPERATIONS ONLY, FOR LANE CLOSURE, SPEEDS . 45 MPH TO 55 MPH
		701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN
		701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BY-DIRECTIONAL LEFT TURN LANE
		701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
		701701-10	URBAN SINGLE LANE CLOSURE, MULTILANE INTERSECTION
		701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
		701901-08	TRAFFIC CONTROL DEVICES

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

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES OF THE VILLAGES OF WESTCHESTER AND HILLSIDE.

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.

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

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 VIA EMAIL Kalpana.Kannan-Hosadurga@illinois.gov (FOR ARTERIALS) AND (847) 705-4151 (FOR EXPRESSWAYS) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER AT Emad.Alhousseini@illinois.gov A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

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

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) FOR FUTURE REFERENCES, IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING.

ALL CRACK ROUTIG & CRACK SEALING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

MODIFIED URETHANE PAVEMENT MERKING SHALL BE PLACED IMMEDIATELY AFTER C & J TEMPERATURE HAS COOLED DOWN AND DOES NOT AFFECT THE APPLICATION OF MODIFIED URETHANE PAVEMENT MARKING.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL 38 /ROOSEVELT RD: (FROM HARRISON ST. TO MANHEIM RD.)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2020-065-1	COOK	13	2
			CONTRACT NO. 62L43	
ILLINOIS FED. AID PROJECT				

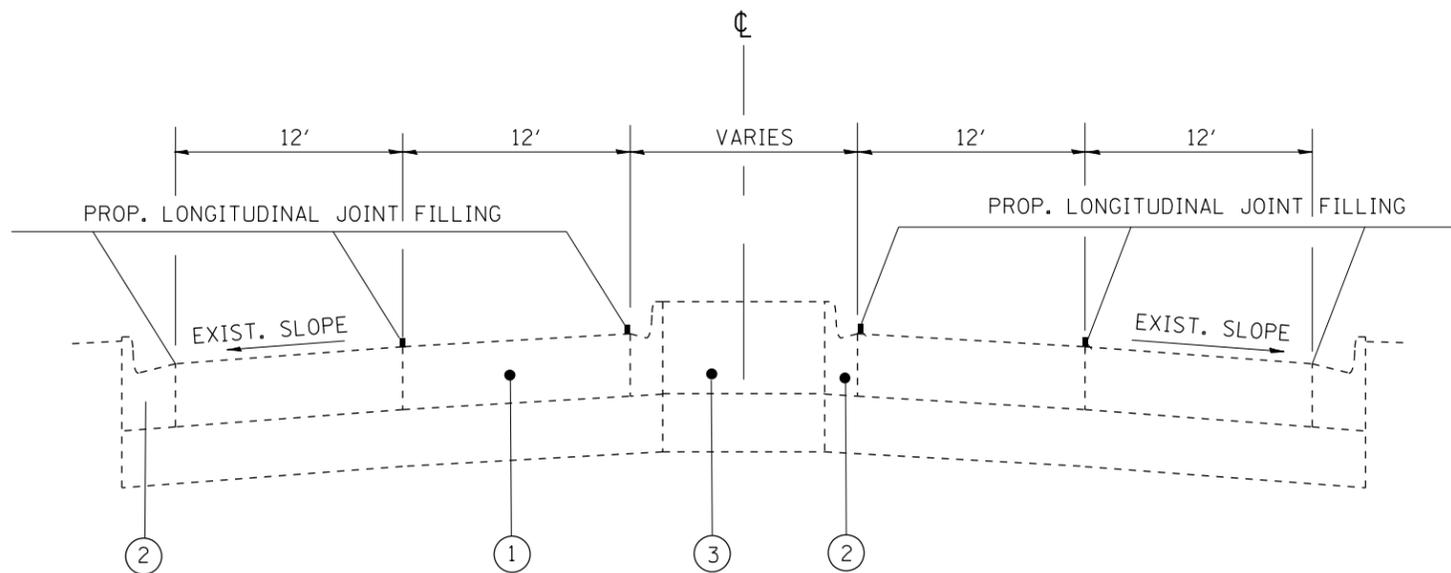
REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0005					SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0005				
CODE NO	ITEM	UNIT		100% STATE					CODE NO	ITEM	UNIT		100% STATE				
									70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
									70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1				
									70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
									70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
									70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1				
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	61,785	61,785					70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
45200300	JOINT OR CRACK FILLING	POUND	17,652	17,652					70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3					* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	835	835				
67100100	MOBILIZATION	L SUM	1	1					* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	32875	32875				
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1					* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	9650	9650				
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1						* SPECIALTY ITEM							

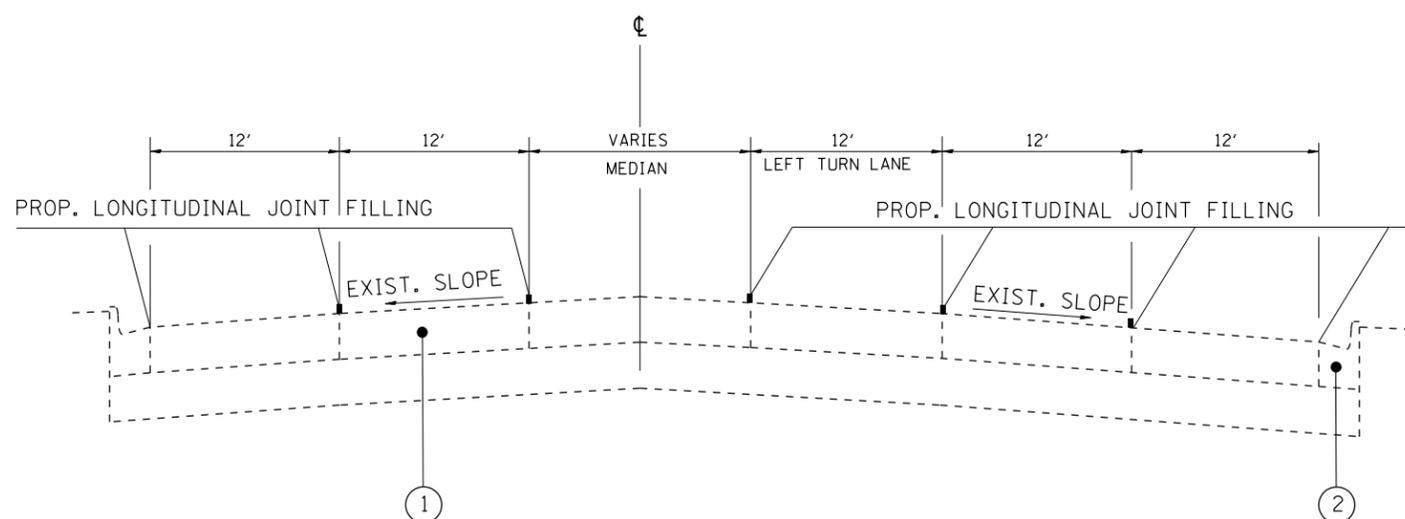
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LEGEND

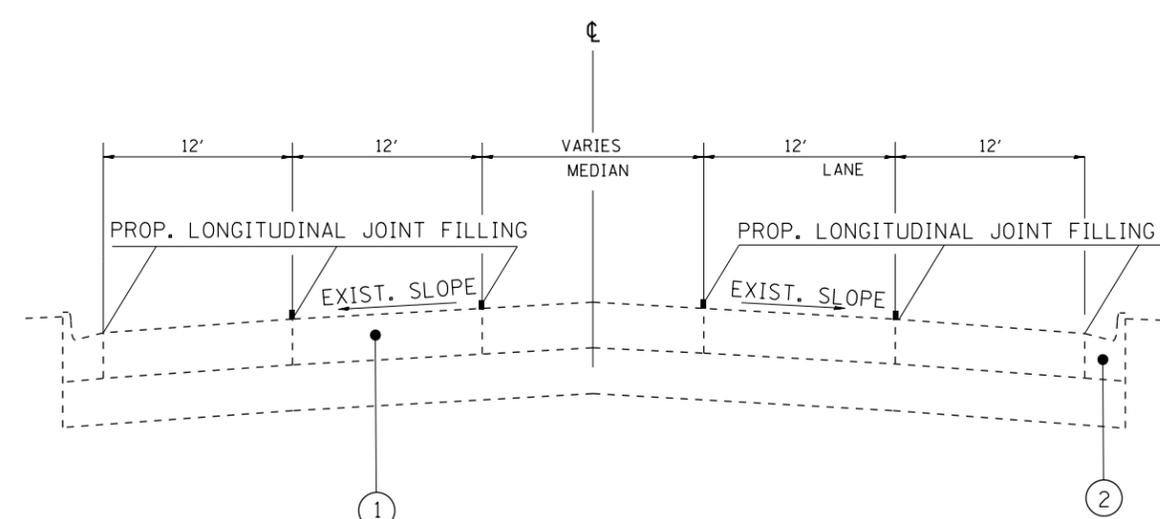
- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 10"
- ② EXISTING CURB AND GUTTER
- ③ EXISTING CONCRETE MEDIAN



**TYPICAL SECTION
WITH CONCRETE MEDIAN**



**TYPICAL SECTION
WITH PAINTED MEDIAN
AND TURNING LANE**



**TYPICAL SECTION
WITH PAINTED MEDIAN**

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING ROADWAY CROSS SECTIONS
IL 38 /ROOSEVELT RD: (FROM HARRISON ST. TO MANHEIM RD.)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2020-065-I	COOK	13	5
CONTRACT NO. 62L43				
ILLINOIS FED. AID PROJECT				

**PROJECT BEGINS
STA. 20+60**

IL. ROUTE 38
(ROOSEVELT ROAD)

HARRISON STREET

PROP. MODIFIED URETHANE
PVMT MARKING 24" SOLID
WHITE STOP BAR

PROP. MODIFIED URETHANE
PVMT MARKING 6" WHITE
TURNING LANE LINE (TYP)

PROP. MODIFIED URETHANE
PVMT MARKING
LETTERS & SYMBOLS (TYP)

PROP. JOINT
FILLING

PROP CLASS B
PATCHES, TYPE II,
10 INCH (12'X5')

PROP. MODIFIED URETHANE
PVMT MARKING 4" WHITE
SKIP DASH LINE
(10' DASH-30' SKIP) (TYP)

PROP. MODIFIED URETHANE
PVMT MARKING 4" DOUBLE
YELLOW LINE (TYP)

PROP. MODIFIED URETHANE
PVMT MARKING 6" WHITE 2' LINE 6' SKIP

HAMILTON AVENUE



MATCHLINE STA. 27+00.00

IL. ROUTE 38
(ROOSEVELT ROAD)



MATCHLINE STA. 42+00.00

PROP CLASS B
PATCHES, TYPE II,
10 INCH (23'X5')

PROP. JOINT
FILLING

PROP. MODIFIED URETHANE
PVMT MARKING 4" WHITE
SKIP DASH LINE
(10' DASH-30' SKIP) (TYP)

12" YELLOW DIAGONALS
PER TC-13

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

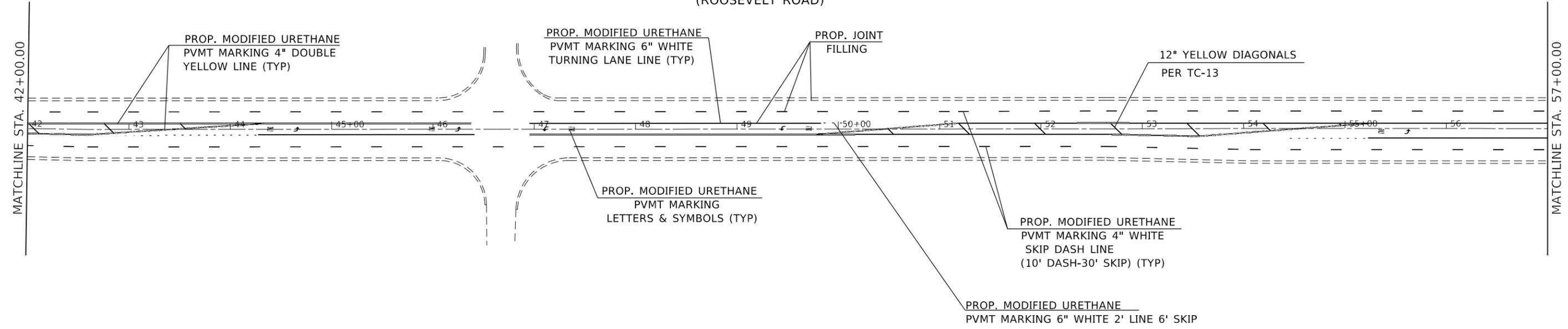
**EXISTING AND PROPOSED PLAN
IL. ROUTE 38 (ROOSEVELT ROAD)
(HARRISON STREET TO U.S. ROUTE 1220/45 (MANNHEIM ROAD))**

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

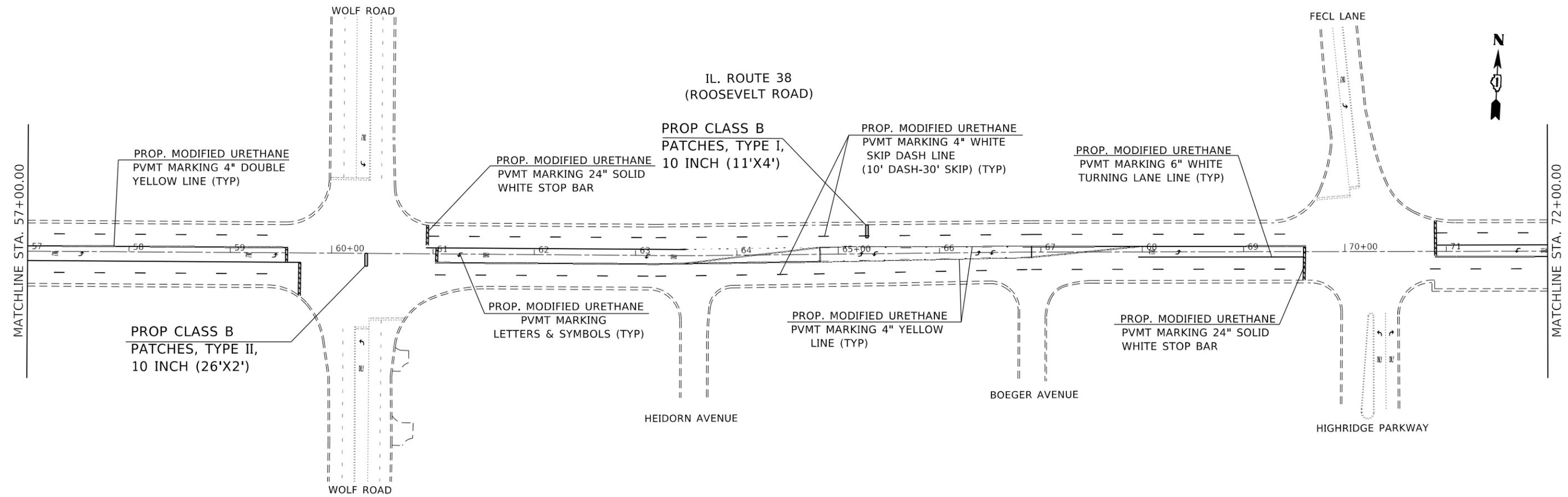
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347	2020-065-I	COOK	13	6
CONTRACT NO. 62L43				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 38
(ROOSEVELT ROAD)



IL. ROUTE 38
(ROOSEVELT ROAD)



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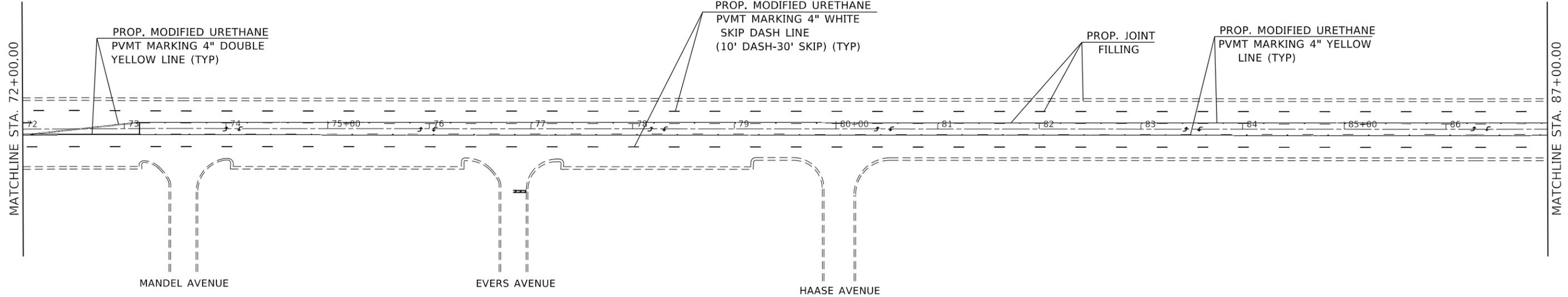
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

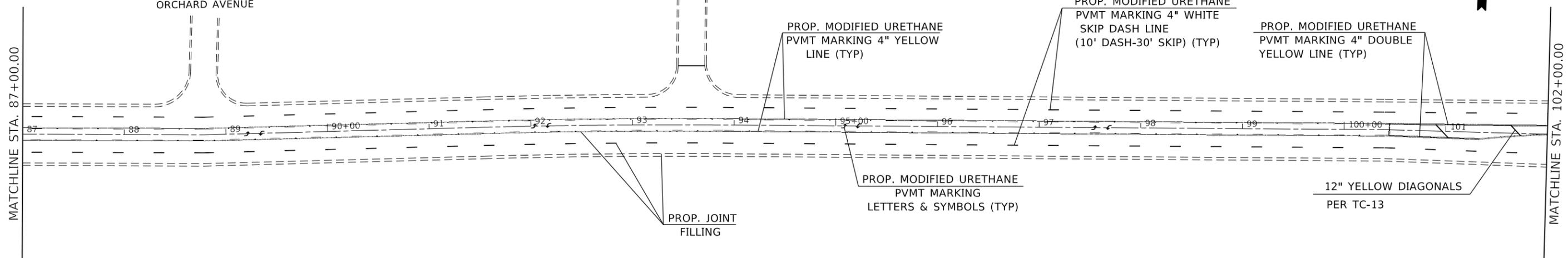
EXISTING AND PROPOSED PLAN
IL. ROUTE 38 (ROOSEVELT ROAD)
(HARRISON STREET TO U.S. ROUTE 1220/45 (MANNHEIM ROAD))
SCALE: 1" = 50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2020-065-I	COOK	13	7
CONTRACT NO. 62L43				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 38
(ROOSEVELT ROAD)



IL. ROUTE 38
(ROOSEVELT ROAD)



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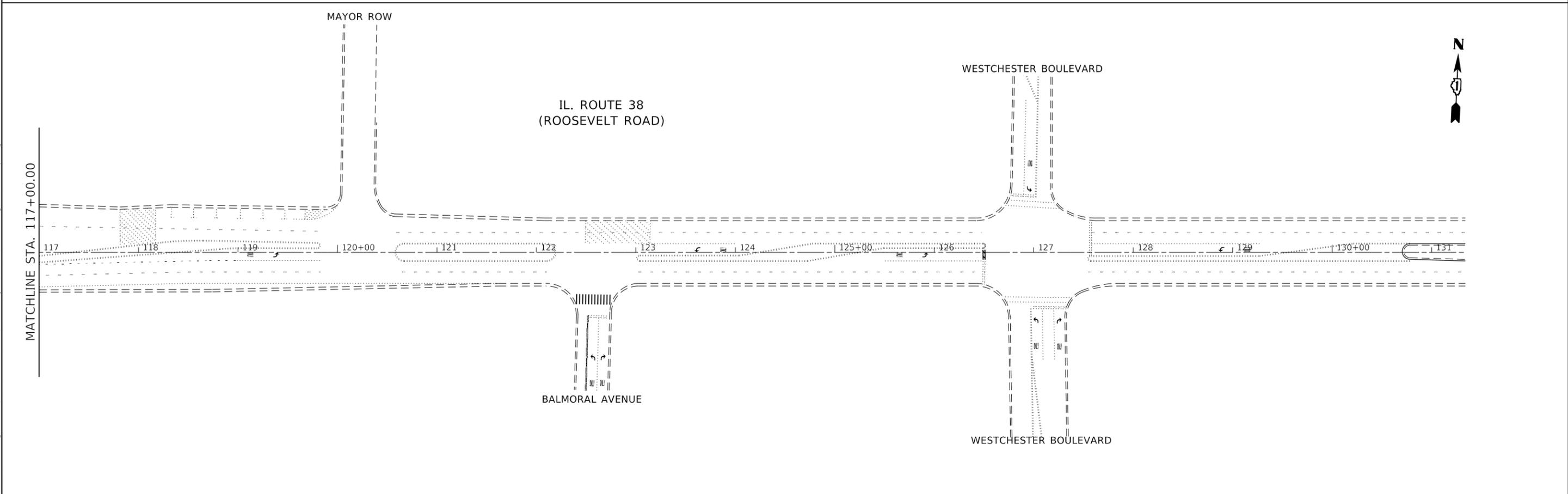
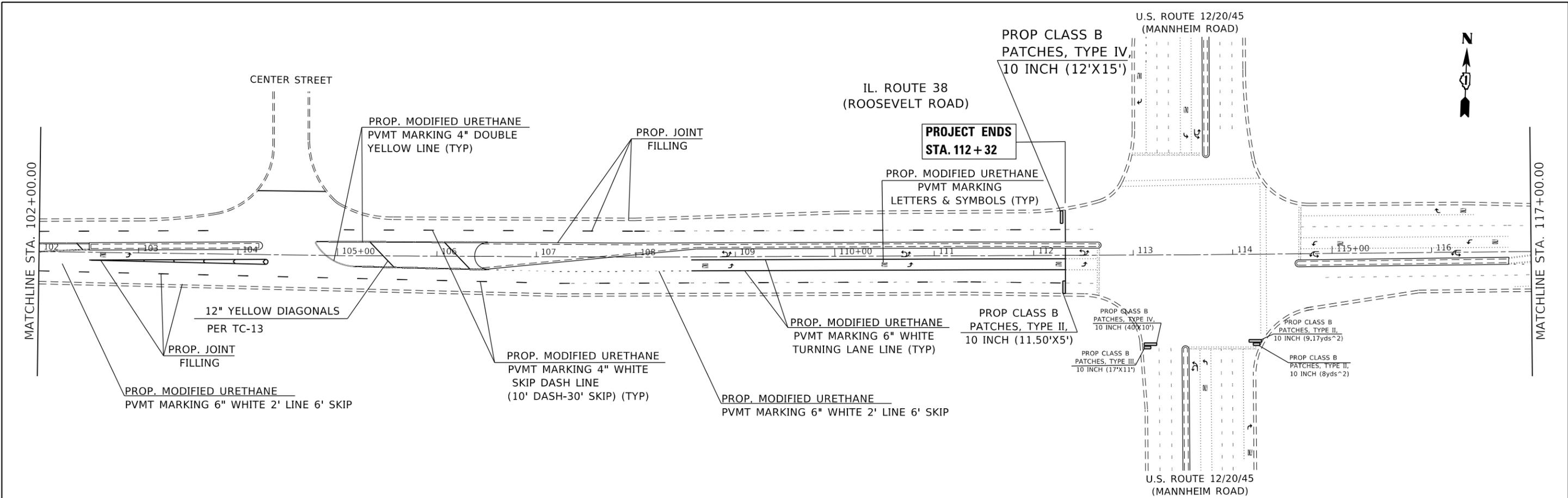
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED PLAN
IL. ROUTE 38 (ROOSEVELT ROAD)
(HARRISON STREET TO U.S. ROUTE 1220/45 (MANNHEIM ROAD))

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2020-065-I	COOK	13	8
CONTRACT NO. 62L43				
ILLINOIS FED. AID PROJECT				

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



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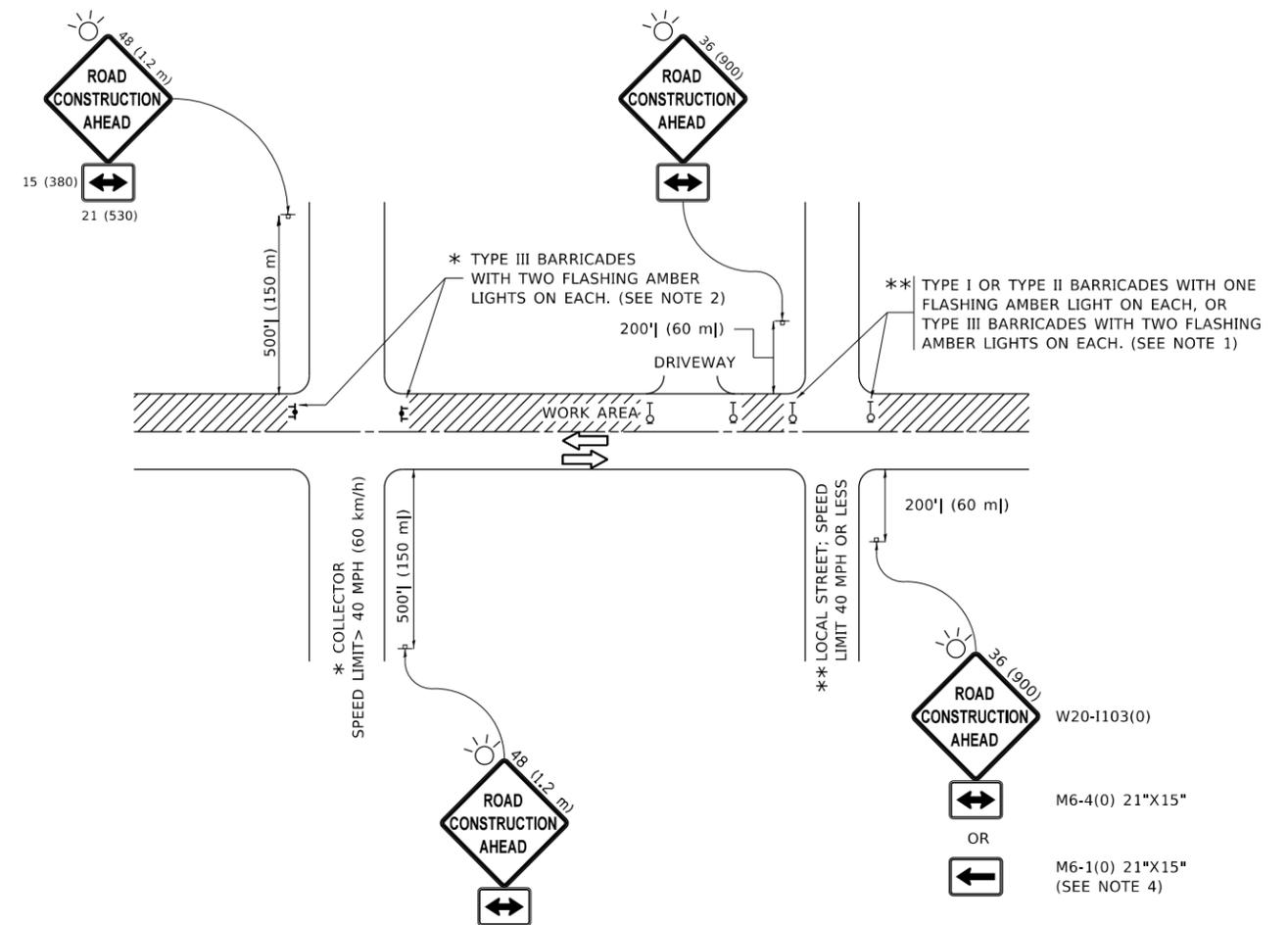
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED PLAN
IL. ROUTE 38 (ROOSEVELT ROAD)
(HARRISON STREET TO U.S. ROUTE 12/20/45 (MANNHEIM ROAD))

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2020-065-I	COOK	13	9
CONTRACT NO. 62L43				
ILLINOIS FED. AID PROJECT				

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



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) 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. 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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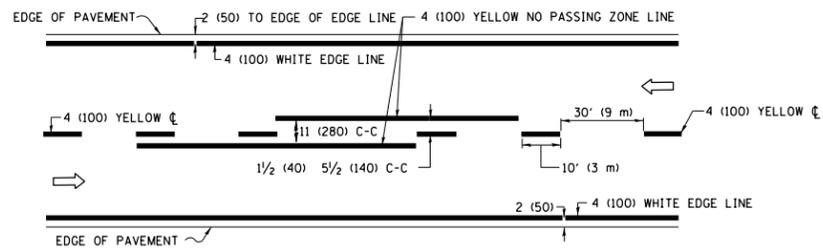
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		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

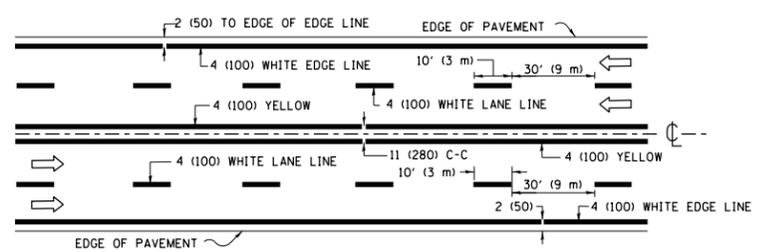
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

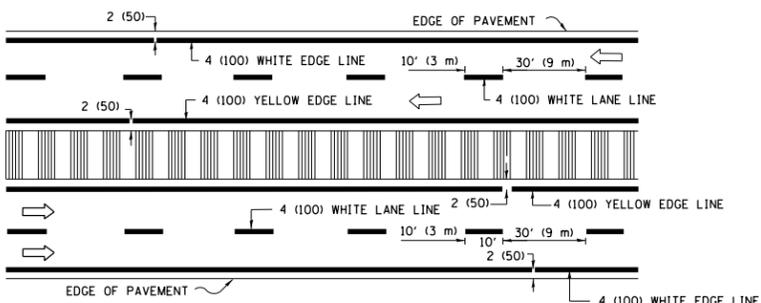
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347	2020-065-I	COOK	13	10
TC-10			CONTRACT NO. 62L43	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

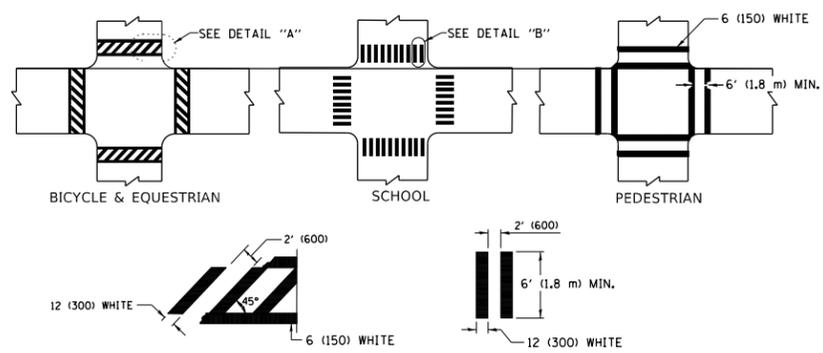


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

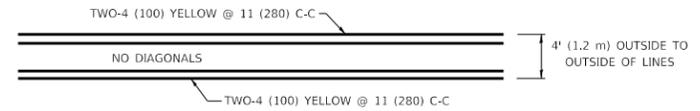


DETAIL "A"

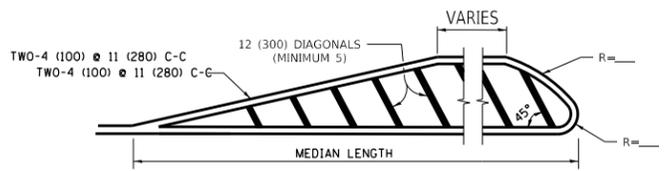
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

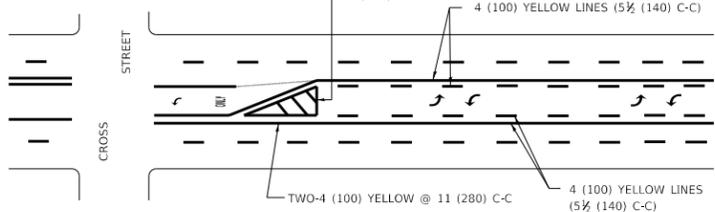


4' (1.2 m) WIDE MEDIANS ONLY



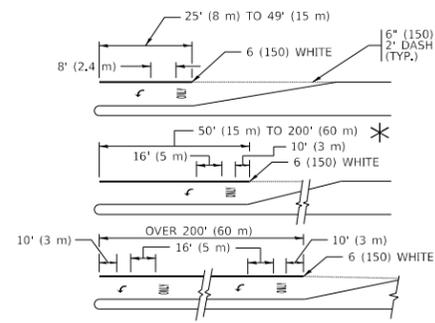
MEDIANS OVER 4' (1.2 m) WIDE

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

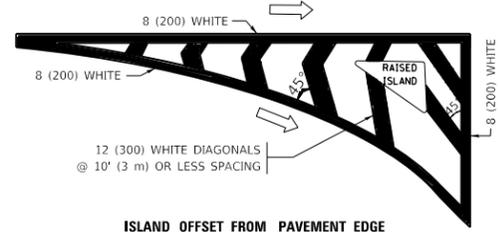
TYPICAL PAINTED MEDIAN MARKING



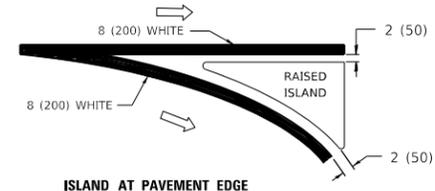
TYPICAL LEFT (OR RIGHT) TURN LANE

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".

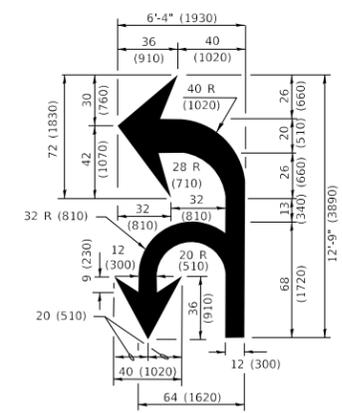


ISLAND OFFSET FROM PAVEMENT EDGE

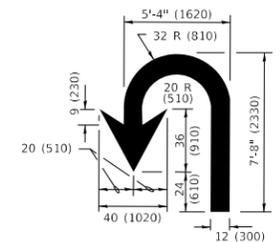


ISLAND AT PAVEMENT EDGE

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 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.

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 8/14/2020	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		347	2020-065-I	COOK	13	11
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

TC-13		CONTRACT NO. 62L43	
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TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

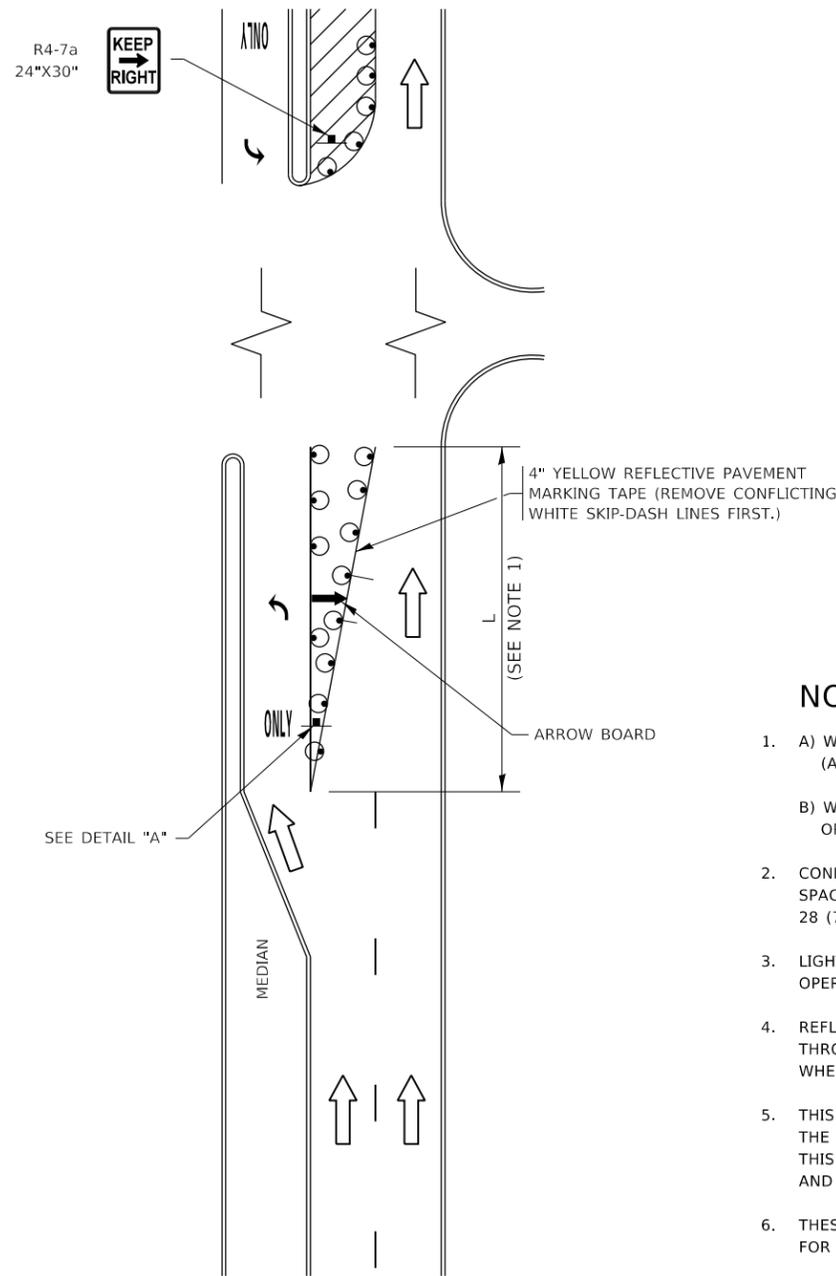


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

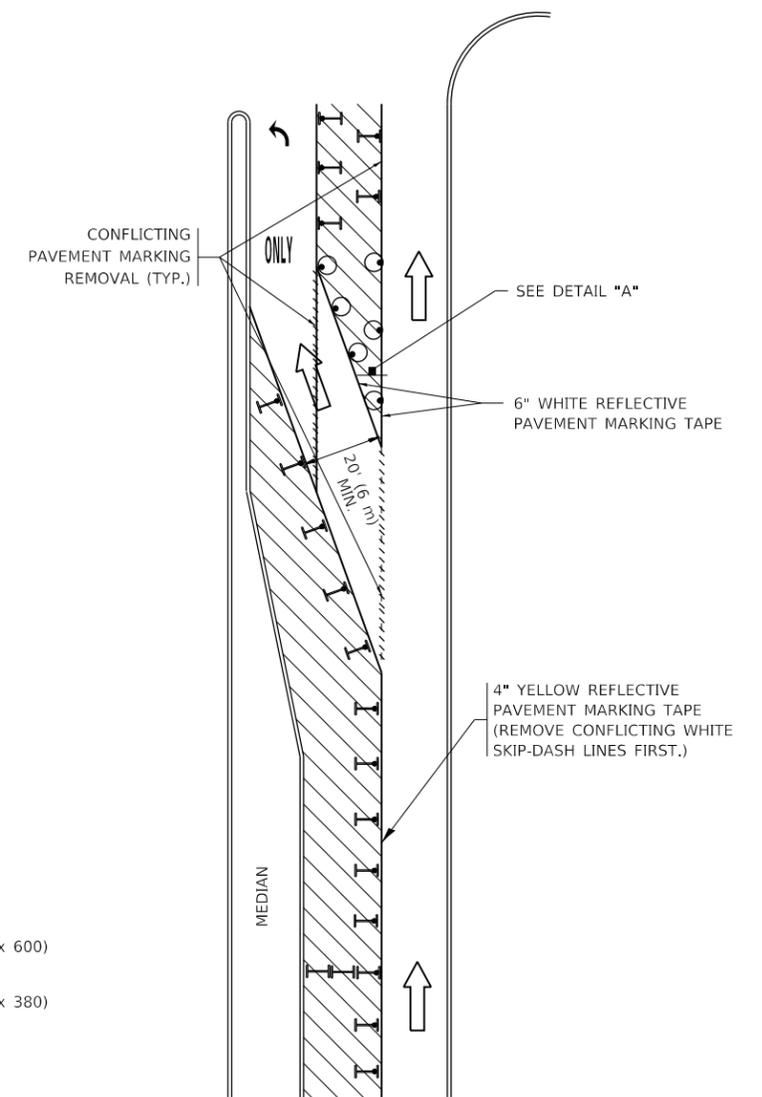


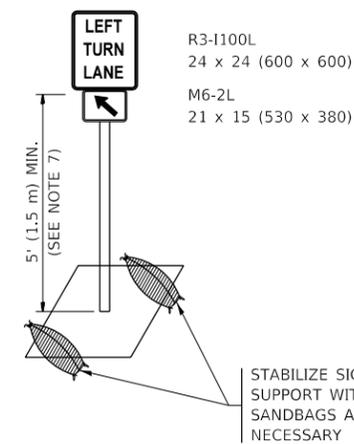
FIGURE 2

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 REQUIREMENTS.
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.



DETAIL A

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

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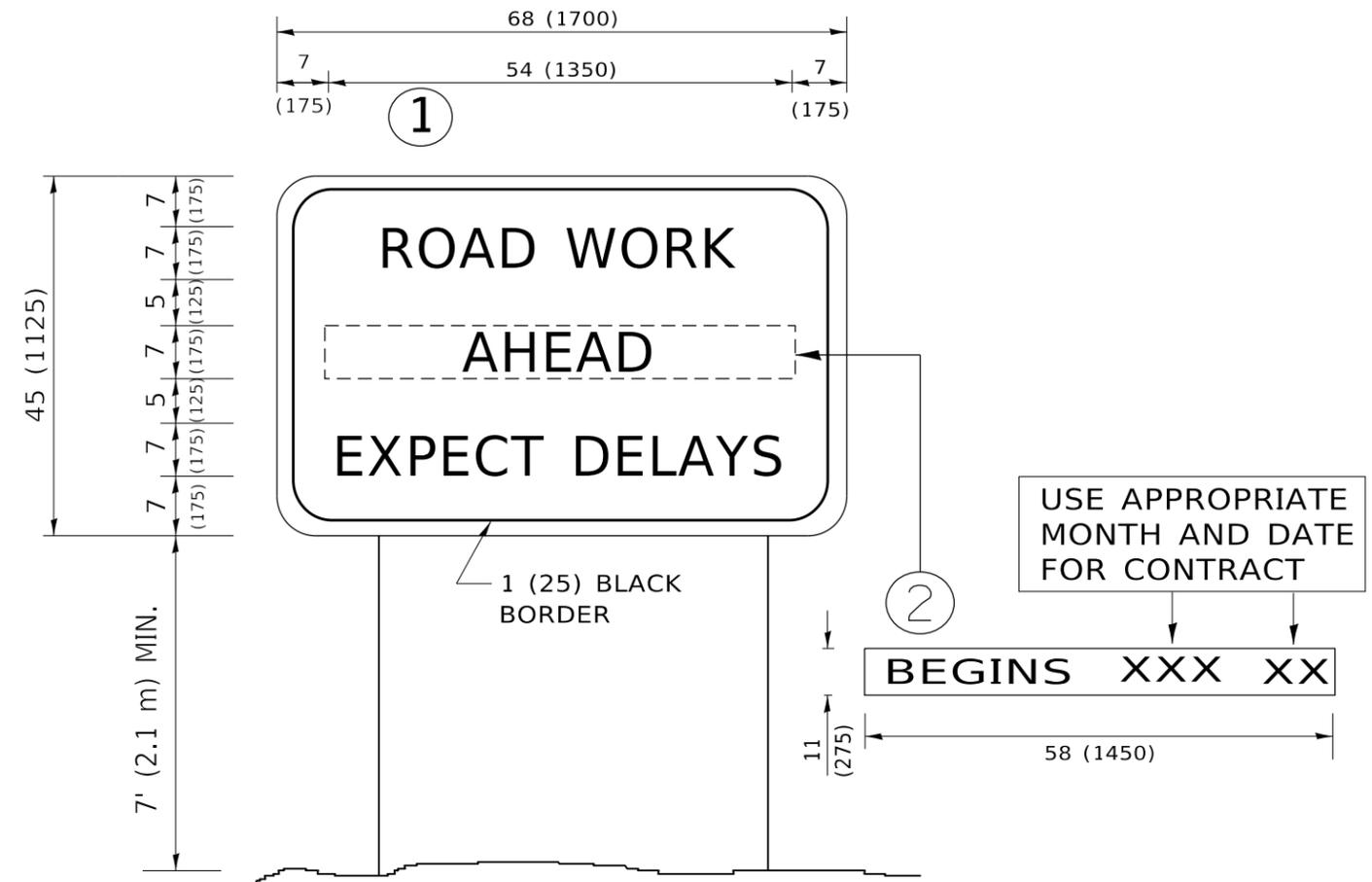
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 8/14/2020	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE. 347	SECTION 2020-065-I	COUNTY COOK	TOTAL SHEETS 13	SHEET NO. 12
TC-14		CONTRACT NO. 62L43		
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.

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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 8/14/2020	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2020-065-I	COOK	13	13
TC-22			CONTRACT NO. 62L43	
ILLINOIS FED. AID PROJECT				