04-25-2025 LETTING ITEM 046

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN VILLAGE OF BARTLETT AND CITY OF PROSPECT HEIGHTS

TRAFFIC DATA

US 20

0

0

0

0

2023 ADT = 36000 2046 ADT = 36259

SPEED LIMIT = 45

FUNCTIONAL CLASS = OTHER PRINCIPAL ARTERIAL

PALATINE RD 2023 ADT = 338002046 ADT = 43329 SPEED LIMIT = 55

FUNCTIONAL CLASS = OTHER PRINCIPAL ARTERIAL

PROPOSED HIGHWAY PLANS

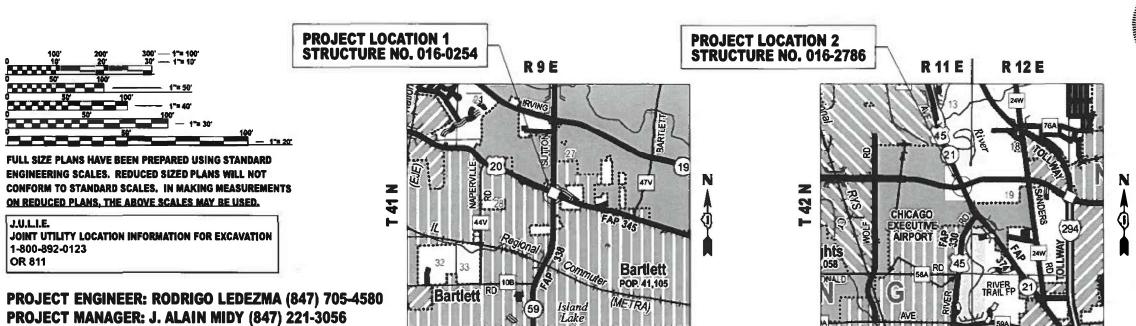
LOCATION 1 F.A.P. ROUTE 345 (US 20) AT IL 59 STRUCTURE NO. 016-0254 LOCATION 2 F.A.P. ROUTE 305 (PALATINE ROAD) AT IL 21/US 45 **STRUCTURE NO. 016-2786** SECTION 7HB-K (86) BR 24
DECK REPAIRS AND JOINT REPLACEMENT **COOK COUNTY**

C-91-010-25

GROSS LENGTH = 192.56 FT. = 0.036 MILE

NET LENGTH = 192.56 FT. = 0.036 MILE

WHEELING TOWNSHIP



GROSS LENGTH = 182.73 FT. = 0.034 MILE

NET LENGTH = 182.73 FT. = 0.034 MILE

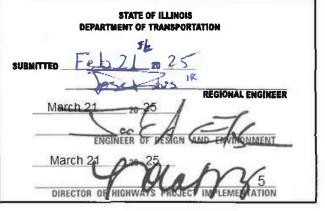
HANOVER TOWNSHIP



D-91-010-25

соок CONTRACT NO. 62X25

MATTHEW X. 11/30/2025 LICENSE EXPIRES:



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- COVER
- INDEX OF SHEETS, STANDARDS & GENERAL NOTES
- SUMMARY OF QUANTITIES
- S.N. 016-0254
- MAINTENANCE OF TRAFFIC TYPICAL SECTIONS (S.N. 016-0254)
- PAVEMENT MARKING PLAN (S.N. 016-0254)
- S.N. 016-2786
- 7A MAINTENANCE OF TRAFFIC TYPICAL SECTIONS (S.N. 016-2786)
- PAVEMENT MARKING PLAN (S.N. 016-2786)
- 7C D1 STANDARD DETAIL TC-08: ENTRANCE AND EXIT RAMP CLOSURE DETAILS
- D1 STANDARD DETAIL TC-11: TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
- 9-10 D1 STANDARD DETAIL TC-12: MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
- 11 D1 STANDARD DETAIL TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS

HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

001006 DECIMAL OF AN INCH AND OF A FOOT

701421-08 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH

701901-10 TRAFFIC CONTROL DEVICES

IDOT DISTRICT 1 STANDARD DETAILS

STANDARD NO.	DESCRIPTION
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

- 1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF BARTLETT, AND THE CITY OF PROSPECT HEIGHTS.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES 48 HOURS NOTIFICATION IS REQUIRED.
- 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
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADULLA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THESE PLANS HAVE BEEN PREPARED FROM FIELD NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE.
- THE ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT (847) 772-4058 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

SCALE: NTS

COMMITMENTS

NONE

RS&H

USER NAME = HeinkeR	DESIGNED	-	JGT	REVISED	-
	DRAWN	-	LPM	REVISED	-
PLOT SCALE = NOT TO SCALE	CHECKED	-	JGT	REVISED	-
PLOT DATE = 3/12/2025	DATE	-	02/21/2025	REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, STANDARDS & GENERAL NOTES		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
,	345\305	7HN-K (86) BR 24	COOK	11	2
			CONTRAC	T NO. 62	X25
SHEET 1 OF 1 SHEETS		NUMBER SED	ALD DDG IEGT		

				CONSTRU	CTION CODE
				100% STATE	100% STATE
CODE			TOTAL	BRIDGE	BRIDGE
CODE NO.	ITEM	UNIT	QUANTITY	0059	0059
			407	S.N. 016-0254	S.N. 016-2786
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4495	1800	2695
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1499	600	899
1					
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1280	412	868
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	16	4	12
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	46	46	0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	16	4	12
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	52	0	52
X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	174		174
X5030539	FLOOR DRAINS TO BE CLEANED	EACH	4	4	0
X5230154	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	8	4	4
			1		
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	3	3
70040400	PRINCE DECK THIN DOLVMED OVERLAY 2001	l co vo	000	400	400
Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	866	400	466
Z0041895	POLYMER CONCRETE	CU FT	4	4	0
				·	
X0325499	REMOVAL OF THIN EPOXY POLYMER BRIDGE DECK OVERLAY	SQ YD	866	400	466
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	0.5	0.5
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	80	80	0.5
A1 200001	TEMP START IN CHIMATION COUNTY	July F1			

* SPECIALTY ITEM

RS&H.

 USER NAME
 = HeinkeR
 DESIGNED
 JGT
 REVISED

 DRAWN
 LPM
 REVISED

 PLOT SCALE
 = NOT TO SCALE
 CHECKED
 JGT
 REVISED

 PLOT DATE
 = 2/19/2025
 DATE
 02/21/2025
 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL Benchmark: Cut "□" on top of the southwest parapet of the US 20/IL 59 bridge. Elev. 808.39. ITEM UNIT QUANTITY Existing Strucutre: S.N. 016-0254 carrying US 20 over IL 59 was built in 1990 as part of Federal Aid Project No. IX-21(54), Section 7HB-K(86). The structure is a three-span bridge with an FLOOR DRAINS TO BE CLEANED EACH overall back-to-back abutment length of ±182'-9" and out to out deck width of 103'-2". The superstructure consists of a 71/2" thick reinforced concrete deck supported CLEANING BRIDGE SCUPPERS AND EACH Exist. Aerial by 54" deep PPC I-beams. The substructure consists of multi-column piers with crashwall founded on spread footings, and integral abuments founded on 14" 🛭 **DOWNSPOUTS** Utility Lines BRIDGE DECK THIN POLYMER OVERLAY 3/8" | SQ YD 400 Est. EL. 831.0-Existing elevations and vertical clearance taken from existing plans. Contractor shall verify elevations prior to starting work and make corrections as necessary. CU FT 4 POLYMER CONCRETE SQ YD 400 REMOVAL OF BRIDGE DECK THIN POLYMER ⊢–– € Brg. W. Abut. ----€ Brg. E. Abut. ⊢—**©** Pier 1 └**-**--- **Ç** Pier 2 **GENERAL NOTES** Plan dimensions and details relative to the existing structure have been taken from existing Conc. Slopewall--Conc. Slopewall plans are subject to nominal construction variations. The Contractor shall field verify existing mi Clr. dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause -Ç IL 59 for additional compensation for a change in scope of the work, however, the Contractor will Retaining Wall be paid for the quantity actually furnished at the unit price bid for the work Concrete removal and surface preparation shall be included in the price of Polymer -Storm Sewer 6'-0" **ELEVATION** R9E 3rd PM 182'-8³/₄" Bk. to Bk. Abutments ±1'-4³/₈" ±1'-4%" 44'-0" 44'-0" Span 1 Span 2 Span 3 46'-0" 46'-0" DETAIL A Location of Structure Typ. Spacing for Span 1 & 3 15'-0" 12'-0" 15/p. 40,55" (Each side) -Ç Exist. Drainage LOCATION SKETCH C IL 59-Scupper - C Exist. Floor Drain SCOPE OF WORK 1. Remove thin Polymer Overlay. 30'-0" 2. Deck slab repair. 36' WB L 30'-0" Sta. 200+61.65 (US 20)-`Approach Slab Approach Slab Sta. 100+05.76 (IL 59) 3. Apply thin Polymer Overlay. € US 20— -Bk. E. Abut. € Pier 2 C Pier 1 Sta. 201+53.01 Sta. 201+07.65 Sta. 200+15.65 EL. 808.53 Bk. W. Abut. **LEGEND** Sta. 199+70.29 14'-0' Prop. Polymer Concrete (Partial Deck Repair) EL. 806.70 Exist. Aerial Utility Line Ø Exist. Lighting (Pole Mounted) Prop. Polymer overlay repair Proposed Polymer Overlay Repair - Detail A 132'-11" 13'-9" 17'-7" Proposed Partial Deck Repair with Polymer Concrete INDEX OF SHEETS 1. General Plan and Elevation 2. Cross Sections JOSEPH I. KLENCK GENERAL PLAN & ELEVATION U.S. ROUTE 20 OVER IL ROUTE 59 F.A.P. RTE. 345 - SEC. 7HN-K (86) BR **PLAN**

DCsU
1301 I.

USER NAME = HeinkeR	DESIGNED - JIK	REVISED -
	CHECKED - JGT	REVISED -
PLOT SCALE = NOT TO SCALE	DRAWN - LPM	REVISED -
PLOT DATE = 3/21/2025	CHECKED IIK	PEVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
LOCATION 1 - STRUCTURE NUMBER 016-0254

SHEET 1 OF 4 SHEETS

DATE SIGNÉD:

LICENSE EXPIRES:

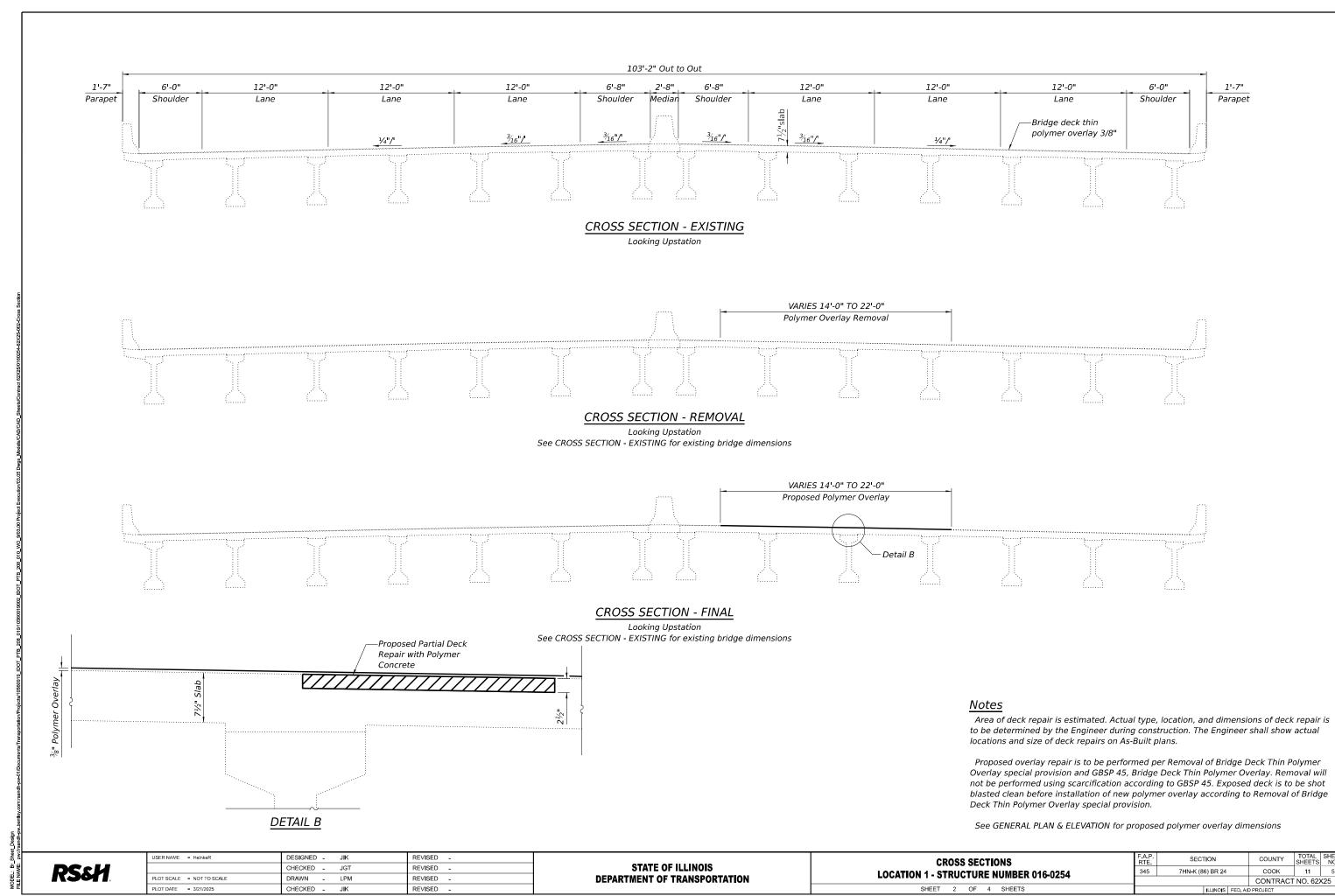
2/21/2025

11/30/2026

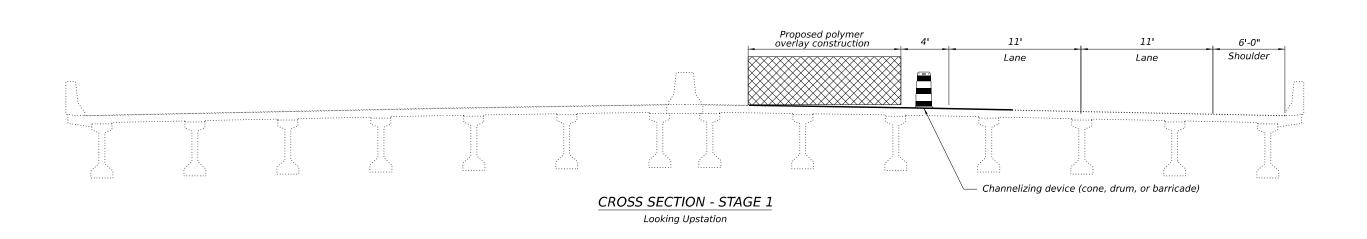
F.A.P. RTE	SECT	TION		COUNTY	TOTAL SHEETS	SHEE NO.
345	7HN-K (86) BR 24		соок	11	4	
·			CONTRACT	NO. 62	< 25	
ILLINOIS FED. A			FED, AII	D PROJECT		

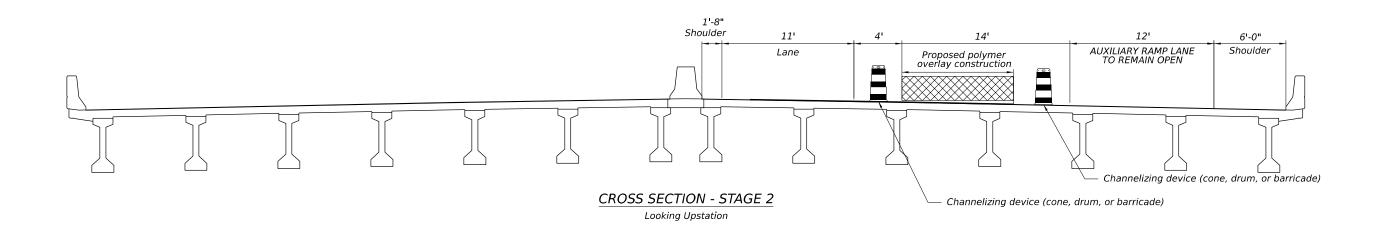
COOK COUNTY

STRUCTURE NO. 016-0254



3/21/2025 12:39:01 PM





Notes

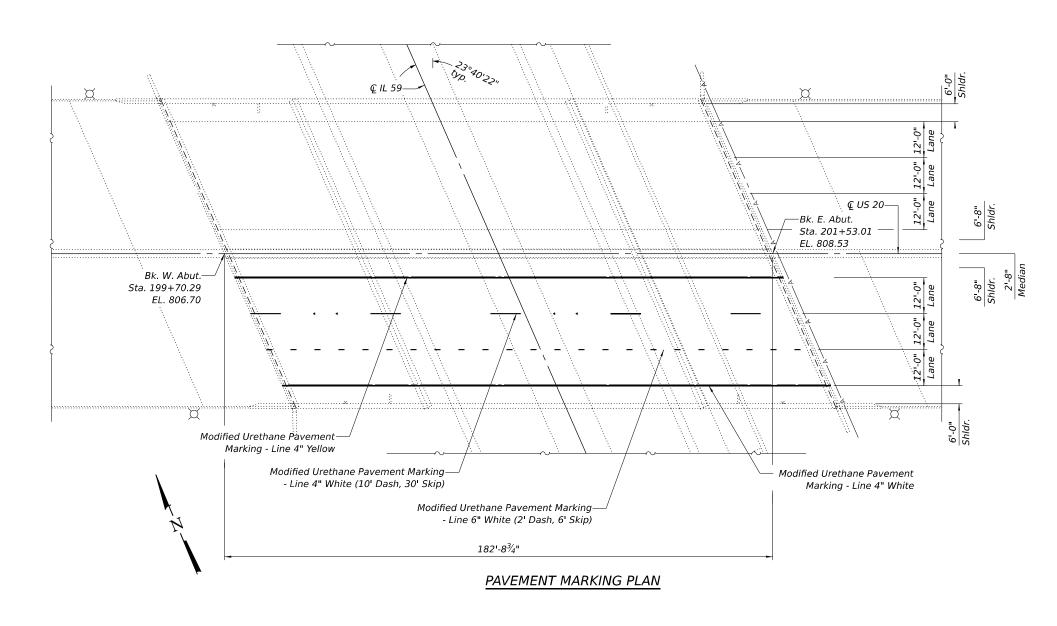
Bridge repair maintenance of traffic to be guided by IDOT Highway Standard 701421 and District 1 Detail TC-08.

Lane closures shall be installed only during the allowable hours specified in the

"Keeping Arterial Roadways Open toTraffic (Lane Closure Only)" Special Provision.



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PLOT SCALE = NOT TO SCALE	DRAWN - LPM	REVISED -
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<u>Note</u>

Any partial deck repairs required due to the removal of existing raised reflective pavement markers shall be coordinated with the Engineer, completed with Polymer Concrete, and shall be included in the cost of Polymer Concrete pay item.

RS&H.

USER NAME = HeinkeR	DESIGNED - JIK	REVISED -
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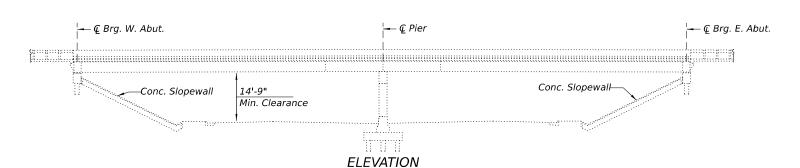
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

 PAVEMENT MARKING PLAN
 F.A.P. RTE.
 SECTION

 LOCATION 1 - STRUCTURE NUMBER 016-0254
 345
 7HN-K (86) BR 24

N.P. SECTION COUNTY TOTAL SHEETS NO.
15 7HN-K (86) BR 24 COOK 11 5B
CONTRACT NO. 62X25

Existing Structure: S.N. 016-2786 carrying Palatine Road over Milkwaukee Avenue was built in 2005 as part of Federal Aid Project No. NHF-0305(033), Section 211K-R-1. The structure is a two-span bridge with an overall back to back abutment length of ±192'-4" and out to out deck width of 85'-0". The superstructure consists of a 7½" thick reinforced concrete deck supported by 36" deep web composite plate girders. The substructure consists of multi-column piers with crashwall founded on HP pile footings, and integral abutments founded on HP piles.



TOTAL BILL OF MATERIALS

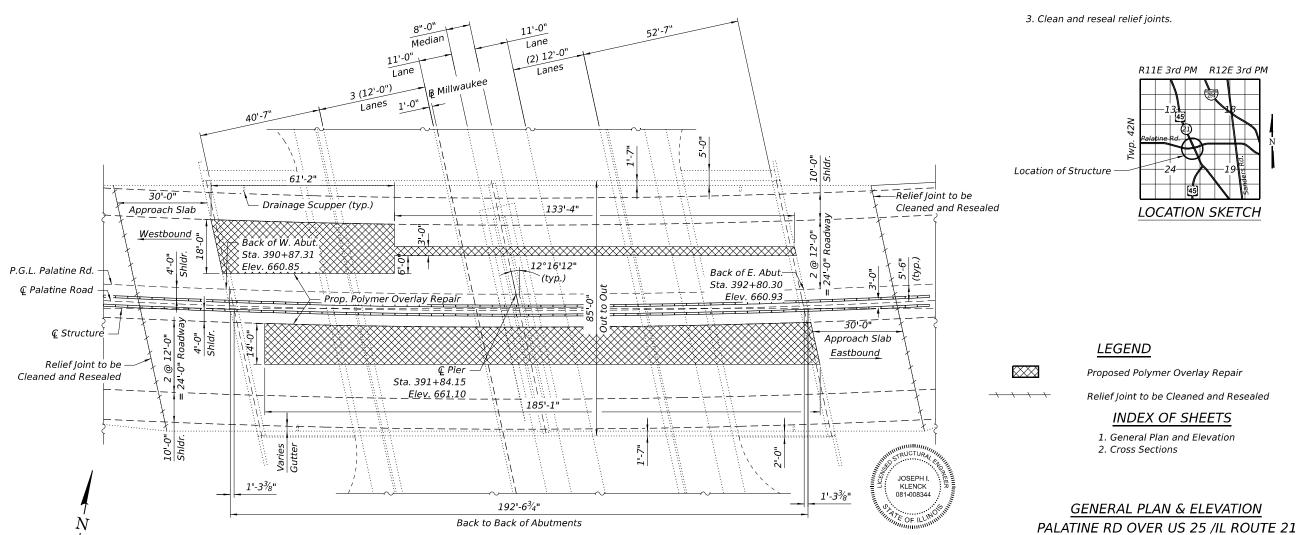
ITEM	UNIT	QUANTITY
CLEAN AND RESEAL RELIEF JOINT	FOOT	174
CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	4
BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	466
REMOVAL OF BRIDGE DECK THIN POLYMER OVERLAY	SQ YD	466

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

SCOPE OF WORK

- 1. Remove thin Polymer Overlay.
- 2. Apply thin Polymer Overlay.



RS&H

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN

GENERAL PLAN AND ELEVATION
LOCATION 2 - STRUCTURE NUMBER 016-2786

SHEET 1 OF 4 SHEETS

DATE SIGNÉD:

LICENSE EXPIRES:

2/21/2025

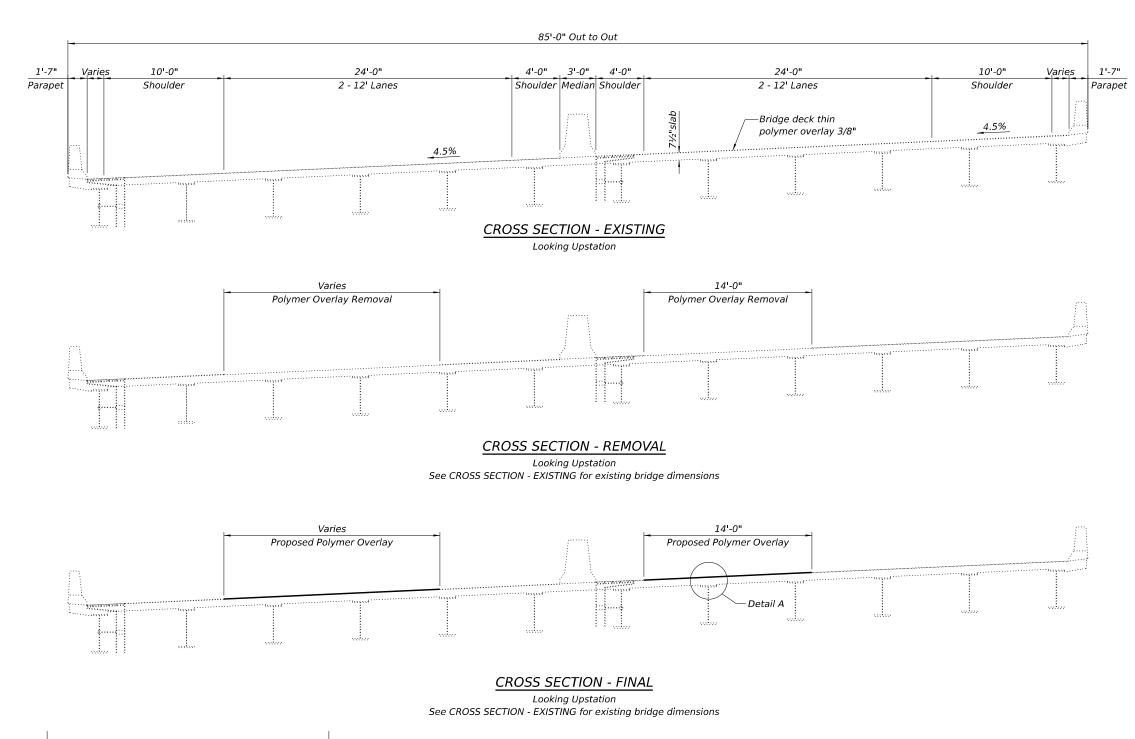
11/30/2026

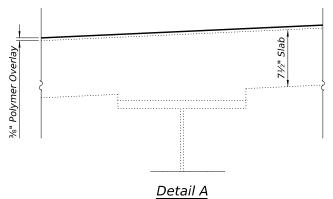
F.A.P. RTE	SEC ⁻	TION		COUNTY	TOTAL SHEETS	SHEET NO.
305	7HN-K (86) BR 24		соок	11	6	
				CONTRACT	NO. 62	<25
ILLINOIS FED. AI			D PROJECT			

F.A.P. RTE. 305 - SEC. 7HN-K (86) BR 24

COOK COUNTY

STRUCTURE NO. 016-2786





Area of deck repair is estimated. Actual type, location, and dimensions of deck repair is to be determined by the Engineer during construction. The Engineer shall show actual locations and size of deck repairs on As-Built plans.

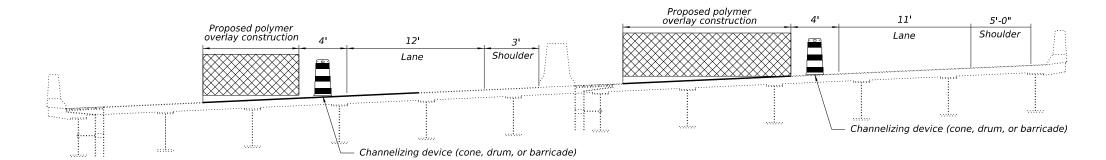
Proposed overlay repair is to be performed per Removal of Bridge Deck Thin Polymer Overlay special provision and GBSP 45, Bridge Deck Thin Polymer Overlay. Removal will not be performed using scarcification according to GBSP 45. Exposed deck is to be shot blasted clean before installation of new polymer overlay according to Removal of Bridge Deck Thin Polymer Overlay special provision.

See GENERAL PLAN & ELEVATION for proposed polymer overlay dimensions



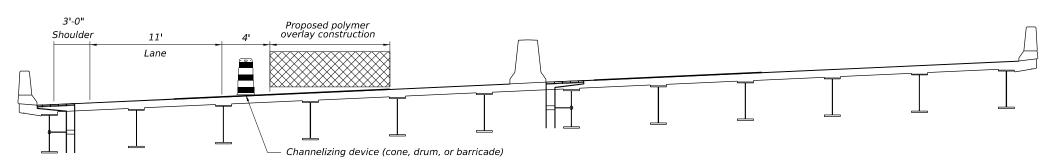
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CROSS SECTIONS LOCATION 2 - STRUCTURE NUMBER 016-2786		SECTION		COUNTY	TOTAL SHEETS	SHE
		7HN-K (86) BR 24		соок	11	7
EGOATION 2 - STROCTORE NUMBER 010-2700				CONTRACT	NO. 62	< 25
SHEET 2 OF 4 SHEETS		III INOIS	EED AID	DDO JEOT		



CROSS SECTION - STAGE 1

Looking Upstation



CROSS SECTION - STAGE 2

Looking Upstation

Notes

Bridge repair maintenance of traffic to be guided by IDOT Highway Standard 701421.

Lane closures shall be installed only during the allowable hours specified in the "Keeping Arterial Roadways Open to Traffic (Lane Closure Only)" Special Provision.



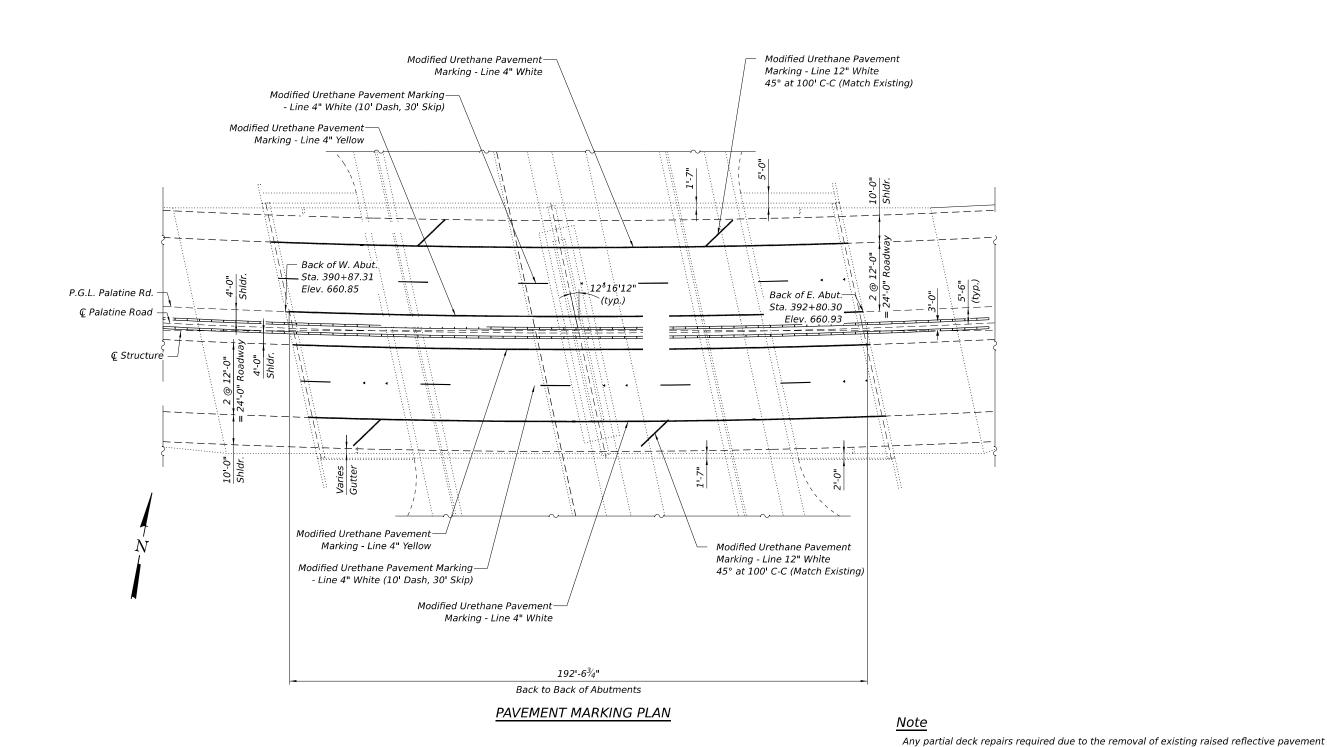
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PLOT DATE = 3/12/2025	CHECKED - JIK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS	F.A.P. RTE	SECTION			
LOCATION 2 - STRUCTURE NUMBER 016-2786	305	7HN-K (86) BR 24			
EGORITOR E - OTROGTORE NOMBER 010-2100					
SHEET 3 OF 4 SHEETS		ILLINOIS	FED. A		

COUNTY TOTAL SHEET NO.

COOK 11 7A



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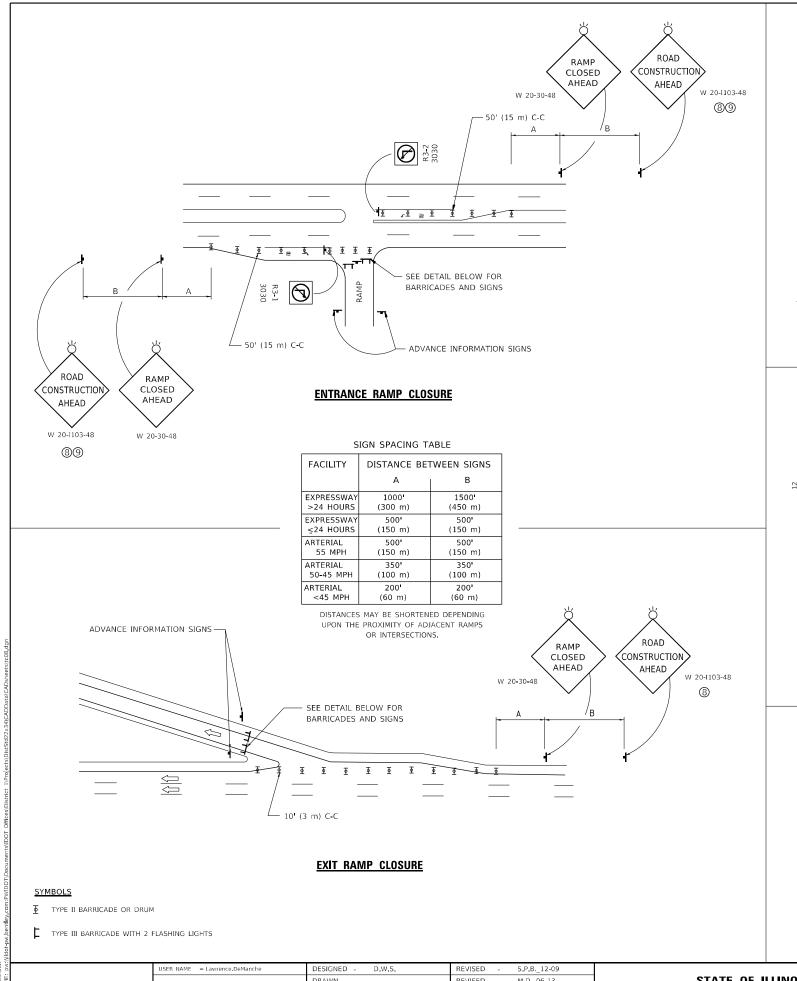
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

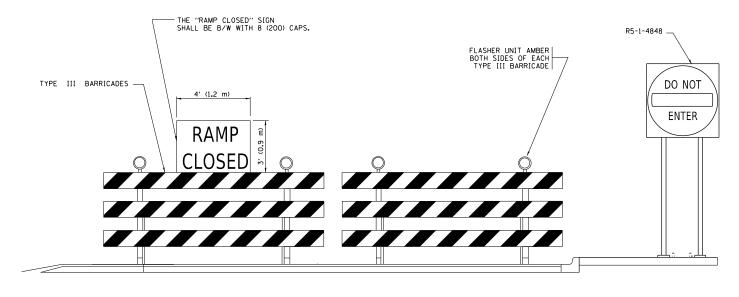
PAVEMENT MARKING PLAN
LOCATION 2 - STRUCTURE NUMBER 016-2786

SHEET 4 OF 4 SHEETS

markers shall be coordinated with the Engineer, completed with Polymer Concrete, and shall

be included in the cost of Polymer Concrete pay item.





DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE INFORMATION SIGN

RAMP CLOSURE ADVANCE WARNING SIGN

RAMP CLOSED 10' (3 m)

CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY E MOD FONT 1 (25) BORDER THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE

THIS RAMP 6 (150) 5 (125) BLACK LEGEND ON WHITE BACKGROUND 6 (150) 5 (125) ½ (12) BORDER CLOSED 6 (150) E MOD FONT 5 (125) 6 (150) THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE 5 (125) TIME THAT THE RAMP WILL BE 6 (150) (125)

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

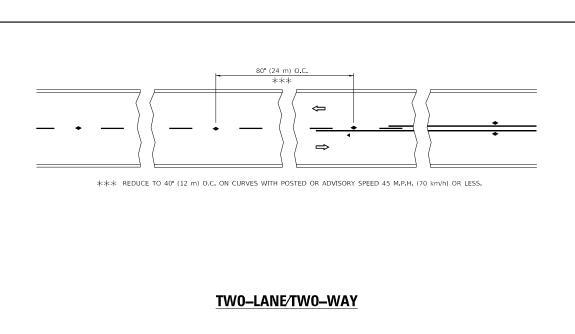
- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- (2) VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- 5 THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

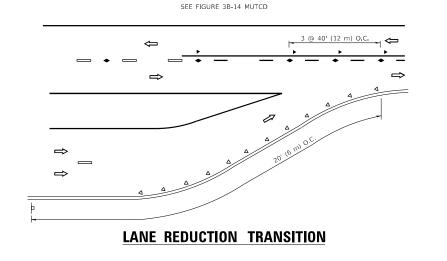
- (6) AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- (8) ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

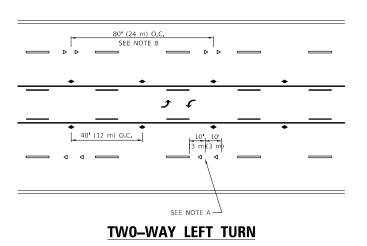
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

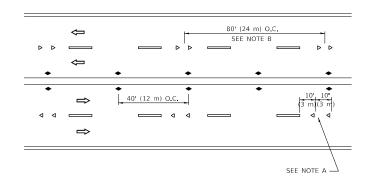
SHEET NO.

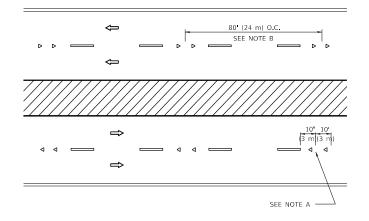
USER NAME = Lawrence.DeManche	DESIGNED - D.W.S.	REVISED - S.P.B12-09		ENTRANCE AND EXIT RAMP	F.A.P.	SECTION	COUNTY TOTAL SHEET
	DRAWN -	REVISED - M.D06-13	STATE OF ILLINOIS		345/305	7HN-K (86) BR 24	COOK 11 7C
PLOT SCALE = 100 0000 / in	CHECKED -	REVISED - M.D01-18	DEPARTMENT OF TRANSPORTATION	CLOSURE_DETAILS		TC-08	CONTRACT NO. 62X25
PLOT DATE = 5/3/2024	DATE - 02-83	REVISED - D.S. 05-24		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT





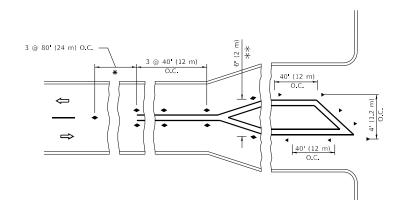


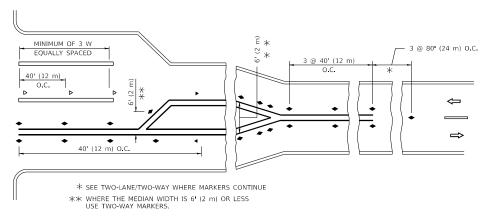




MULTI-LANE/UNDIVIDED







TURN LANES

GENERAL NOTES

- 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.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
- 4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

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.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

SYMBOLS

ONE-WAY AMBER MARKER

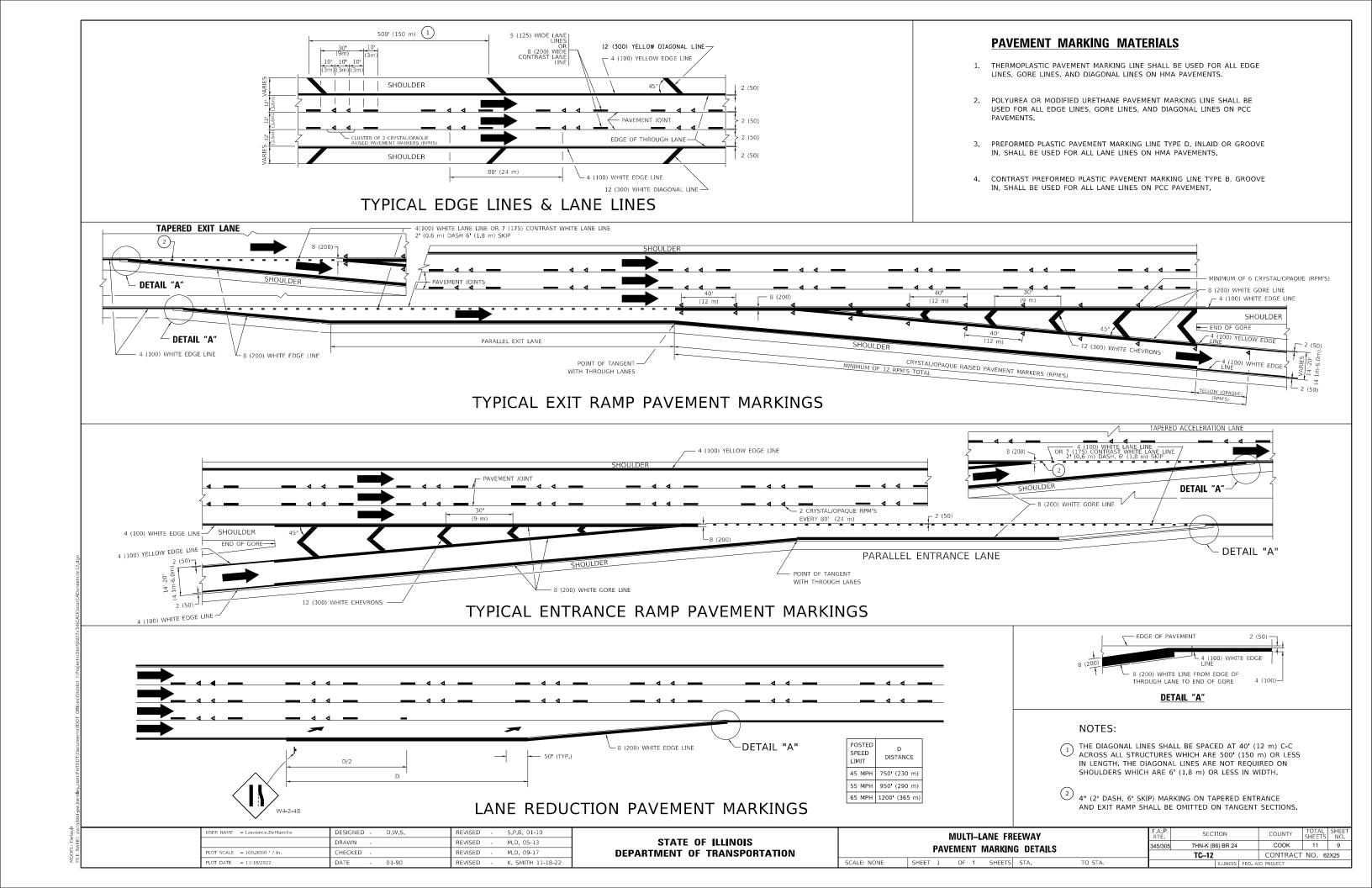
TWO-WAY AMBER MARKER

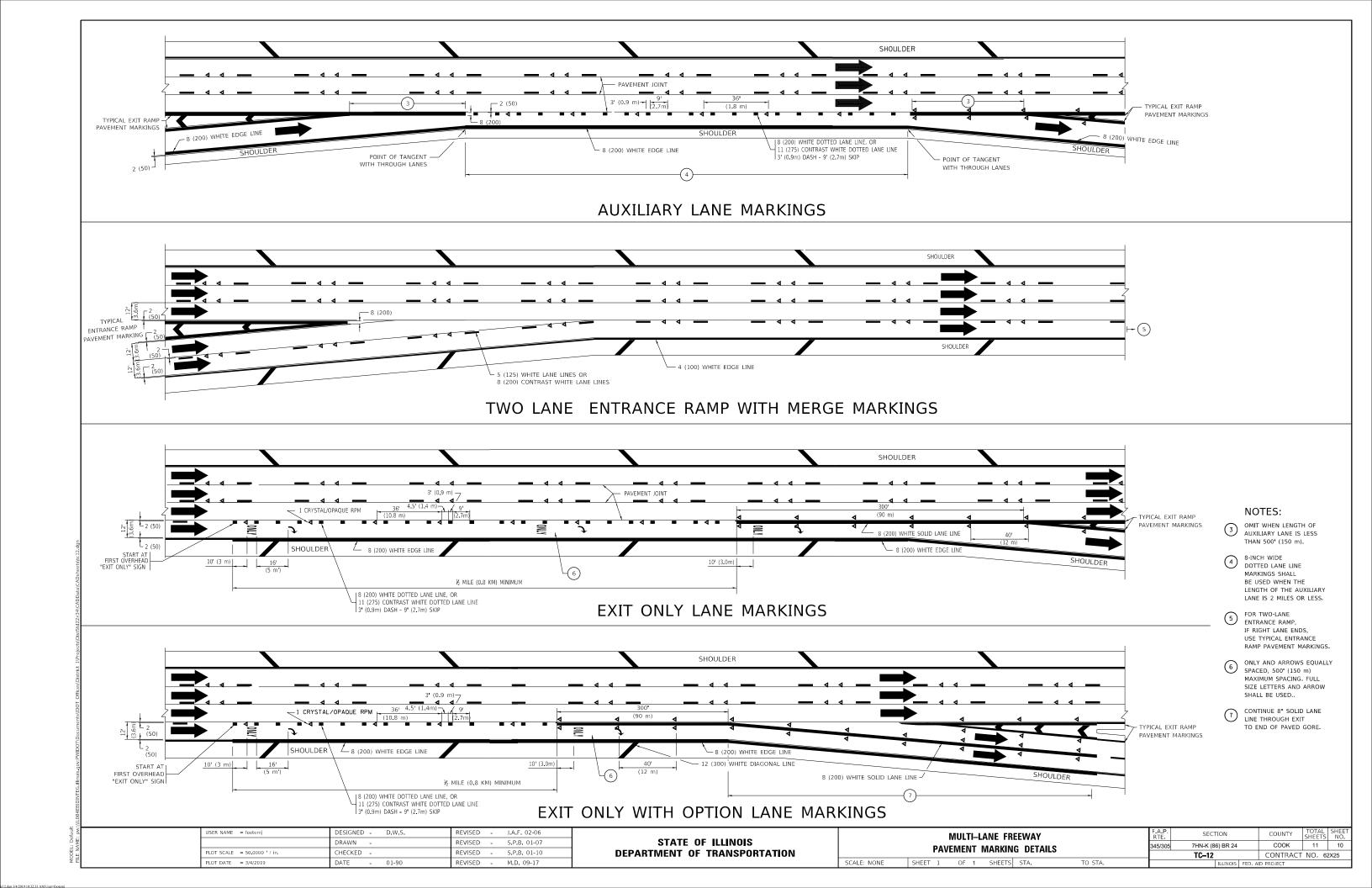
ONE-WAY CRYSTAL MARKER (W/O)

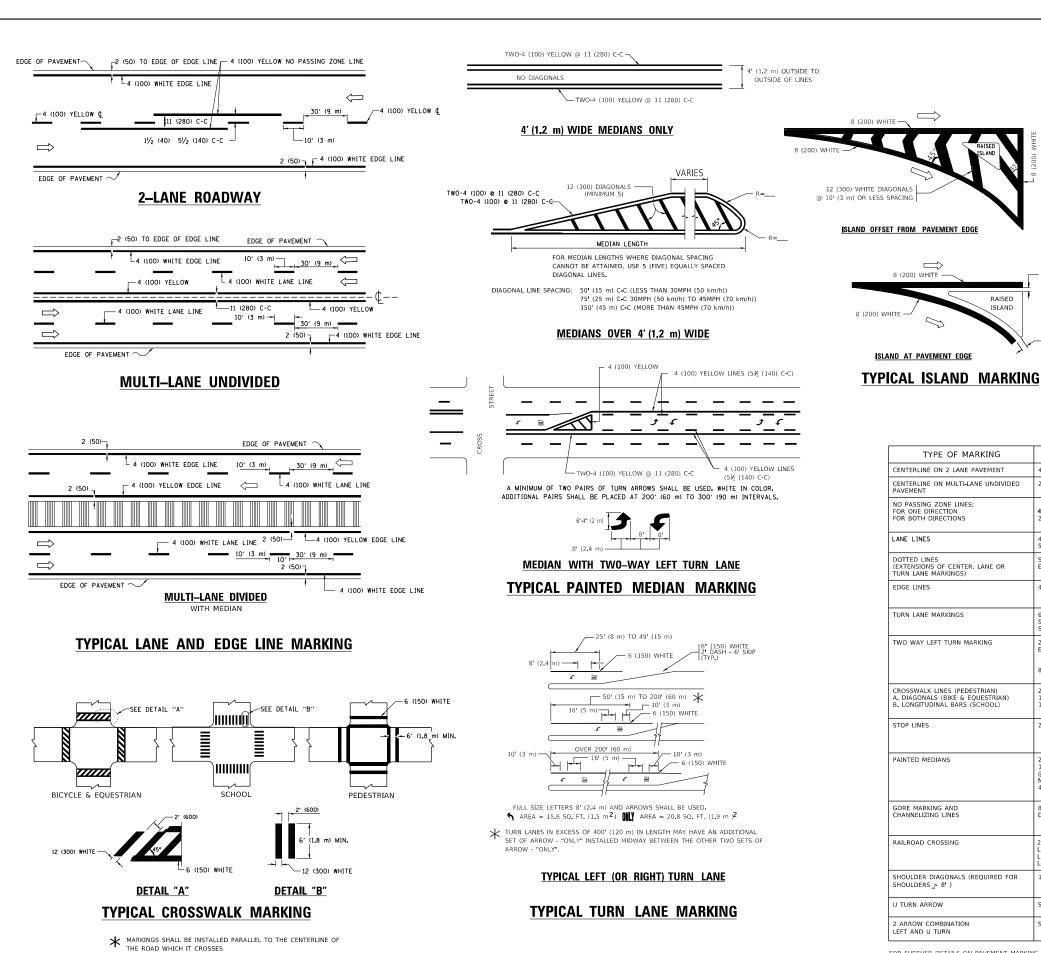
YELLOW STRIPE

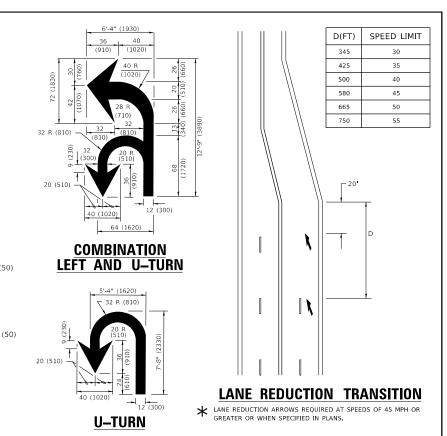
WHITE STRIPE

MODEL: Default









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	5½ (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	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (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: "X"=3.6 SQ, FT. (0.33 m PEACH "X"=54.0 SQ, FT. (5.0 m PEACH
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.

SCALE: NONE

8 (200) WHITE -

RAISED

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

USER NAME = footemj	DESIGNED	-	EVERS	REVISED	-	C. JUCIUS 09-09-09
	DRAWN	-		REVISED	-	C. JUCIUS 07-01-13
PLOT SCALE = 50.0000 / in.	CHECKED	-		REVISED	-	C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE	-	03-19-90	REVISED	-	C. JUCIUS 04-12-16

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE TYPICAL PAVEMENT MARKINGS		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.						
		345/305	345/305 7HN-K (86) BR 24		COOK	11	11					
		TC-13 CONTRACT NO. 6					2X25					
EET	1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS	FED. A	ID PROJECT		