

# **PROPOSED** HIGHWAY PLANS

FAU 2612: (LEMONT ROAD) BLUFF ROAD TO CASS STREET AND

**FAU 1065: (ILLINOIS STREET) NEW AVENUE TO MAIN STREET SECTION: 2016-018RS** PROJECT: ACM-0007(081) A
RESURFACING AND ADA RAMPS **COOK COUNTY** C-91-036-15 PROJECT ENDS STA. 2050 + 21 R 11 E PROJECT OMISSION LEMONT ROAD STA, 2003 + 57 TO STA. 2038 + 60

PROJECT LOCATED IN THE

**VILLAGE OF LEMONT** 

FOR INDEX OF SHEETS, SEE SHEET NO. 2

LEMONT ROAD/STATE STREET 21,900 VPD (2014)

LEMONT ROAD/STATE STREET 25-45 MPH ILLINOIS STREET 25 MPH

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TRAFFIC DATA

POSTED SPEED LIMIT

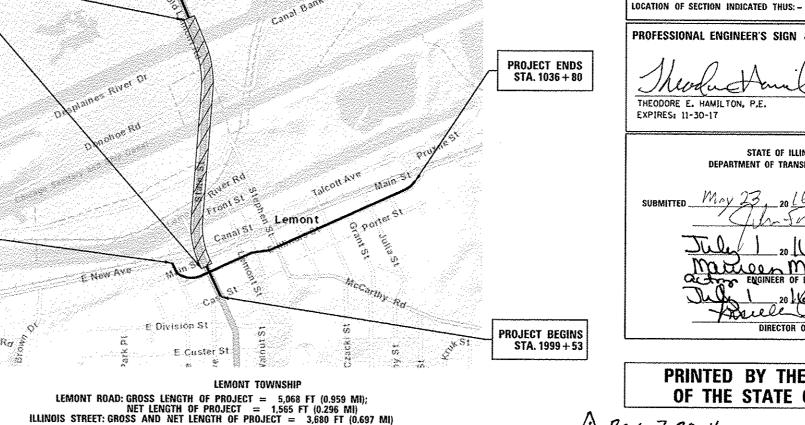
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BEN HARTMAN 815-759-8326 PROJECT MANAGER: KARI SMITH 847-705-4437

PROJECT BEGINS STA. 1000 + 00

CONTRACT NO. 60Y92



D-91-036-15

COOK

2016-018RS

PROFESSIONAL ENGINEER'S SIGN & SEAL THEODORE E. HAMILTON, P.E. EXPIRES: 11-30-17

STATE OF ILLINOIS

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M Rev. 7-20-16

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## LIST OF STATE STANDARDS

	STANDARD NO.	DESCRIPTION	
	000001- <i>DG</i>	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	
	424001- 08	PERPENDICULAR CURB RAMPS	
	424011- 02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS	
	424021- 03	DEPRESSED CORNER FOR SIDEWALKS	
	442201- 03	CLASS C AND D PATCHES	
	482001- 02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT	
	604001- <i>04</i>	FRAME AND LIDS TYPE 1	
	604086- <i>03</i>	FRAME AND GRATE TYPE 23	
	606001- OG	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	
	606301- 04	PC CONCRETE ISLANDS AND MEDIANS	
	606306-04	CORRUGATED PC CONCRETE MEDIANS	
	701101- 05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE	
à.	701421-07	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH	
$\Delta$ (	701426-08	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH	
	701427-OLF	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH	
	701501- OG	URBAN LANE CLOSURE, 2L, 2W. UNDIVIDED	
	701701- 10	URBAN LANE CLOSURE, MULTILANE INTERSECTION	
	701801- <i>OG</i>	SIDEWALK, CORNER OR CROSSWALK CLOSURE	1
	701901- <i>0</i> 5	TRAFFIC CONTROL DEVICES	
	886001- 01	DETECTOR LOOP INSTALLATIONS	
	886006- 0/	TYPICAL LAYOUTS FOR DETECTION LOOPS	

#### GENERAL NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 OR (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- 2. 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND CONDITIONS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK
- 3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF LEMONT.
- 4. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- 5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT,
- 6. SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING, ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- 7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 8. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 9. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
- 10. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- 11. 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 MARKING SHALL BE AS DIRECTED BY THE ENGINEER.
- 12. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKING ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS.
- 13. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK
- 14. THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, IDOT'S AREA TRAFFIC FIELD ENGINEER FOR SOUTHWEST AREA, VIA E-MAIL AT ERIC.CAMPOSPILLINOIS.GOV, OR AT (85) 485-6475 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

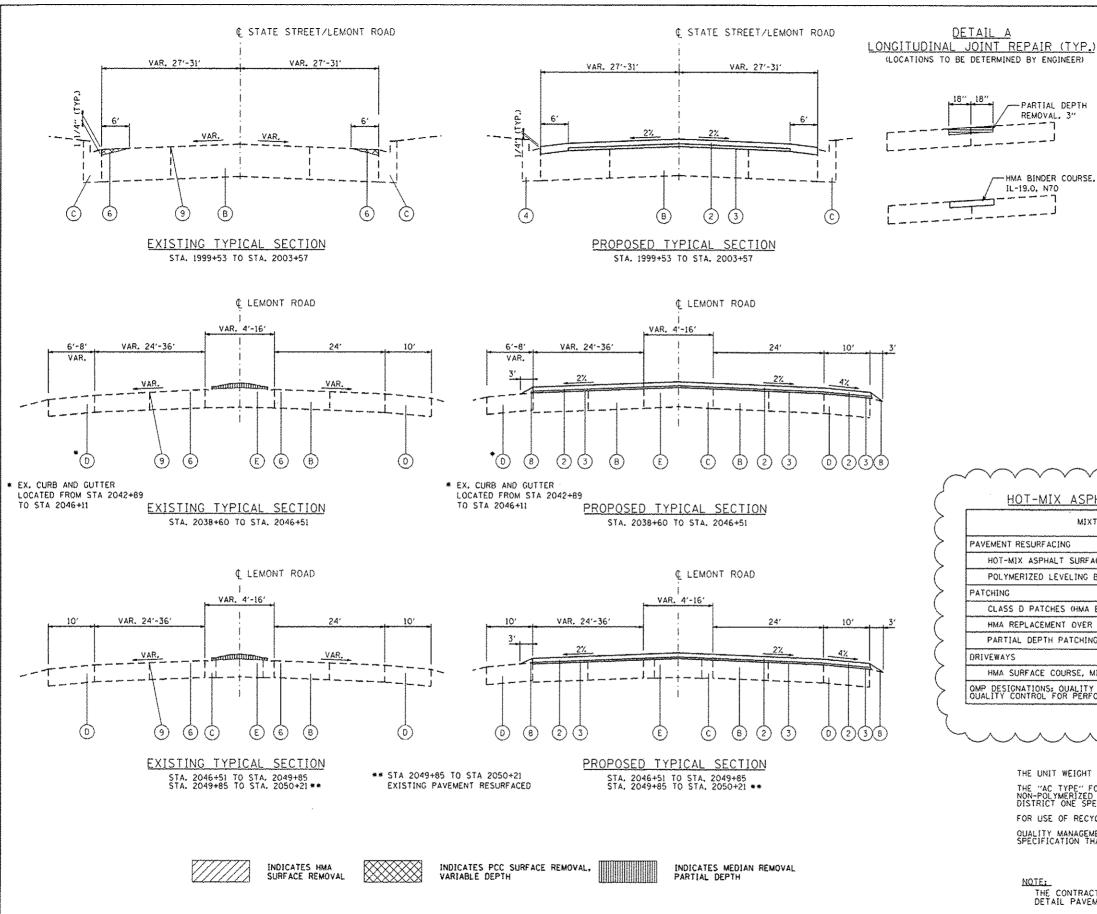
## GENERAL NOTES (CONTINUIED)

- 15. LOCATIONS OF PAYEMENT PATCHING AND CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE AS DETERMINED BY THE ENGINEER.
- 16. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, LINEESS OTHERWISE SPECIFIED.
- 17. MATCH EXISTING PAVEMENT MARKINGS AT THE PROJECT LIMITS.
- 18. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- 20. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- 22. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- 23. IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT, EXISTING ASPHALT OVERLAYS THE EXISTING CONCRETE GUTTER FLAG. REMOVAL OF ASPHALT ON THE GUTTER FLAG SHALL BE INCLUDED IN THE UNIT COST OF HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4 INCH.
- 24. 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.
- 25. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAYEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR

1 Rev. 7-20-16

SECTION COUNTY INDEX OF SHEETS & STATE STANDARDS 34 2 2016-018RS COOK 2612 CONTRACT NO. 60Y9 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

SCALE: NIS



### EXISTING CONDITIONS

- A HOT-MIX ASPHALT RESURFACING, ±4"
- (B) PCC PAVEMENT, 10"±

DETAIL A

-PARTIAL DEPTH REMOVAL. 3"

HMA BINDER COURSE. IL-19.0, N70

- C COMBINATION CONCRETE CURB AND GUTTER
- (D) HOT-MIX ASPHALT SHOULDER/AGGREGATE SHOULDER
- (E) MEDIAN (TYPE VARIES)

#### PROPOSED IMPROVEMENTS

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- 4) COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT (AT LOCATIONS AS DETERMINED BY THE ENGINEER)
- (5) EXISTING HOT-MIX ASPHALT SURFACE AFTER PROPOSED SURFACE REMOVAL
- (6) PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VARIABLE DEPTH
- (7) MEDIAN REMOVAL PARTIAL DEPTH
- (8) AGGREGATE WEDGE SHOULDER, TYPE B
- 9 PARTIAL DEPTH PATCH (AT LOCATIONS AS DETERMINED BY THE ENGINEER)

## HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS & NDES	QUALITY MANAGEMENT PROGRAM (QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "O", N70 (IL-9.5mm)	4% & 70 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), JL-4.75, N50	3.5% @ 50 GYR.	OCP
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19mm)	4% & 70 GYR.	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	QC/QA
PARTIAL DEPTH PATCHING (HMA BINDER IL-19mm)	4% & 70 GYR.	OC/OA
DRIVEWAYS		
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 1 1/2"	4% & 70 GYR.	OCP
OMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) QUALITY CONTROL FOR PERFORMANCE (QCP)		<del></del>

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUATITIES 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 (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING. SEE DISTRICT I DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT.

TO STA.

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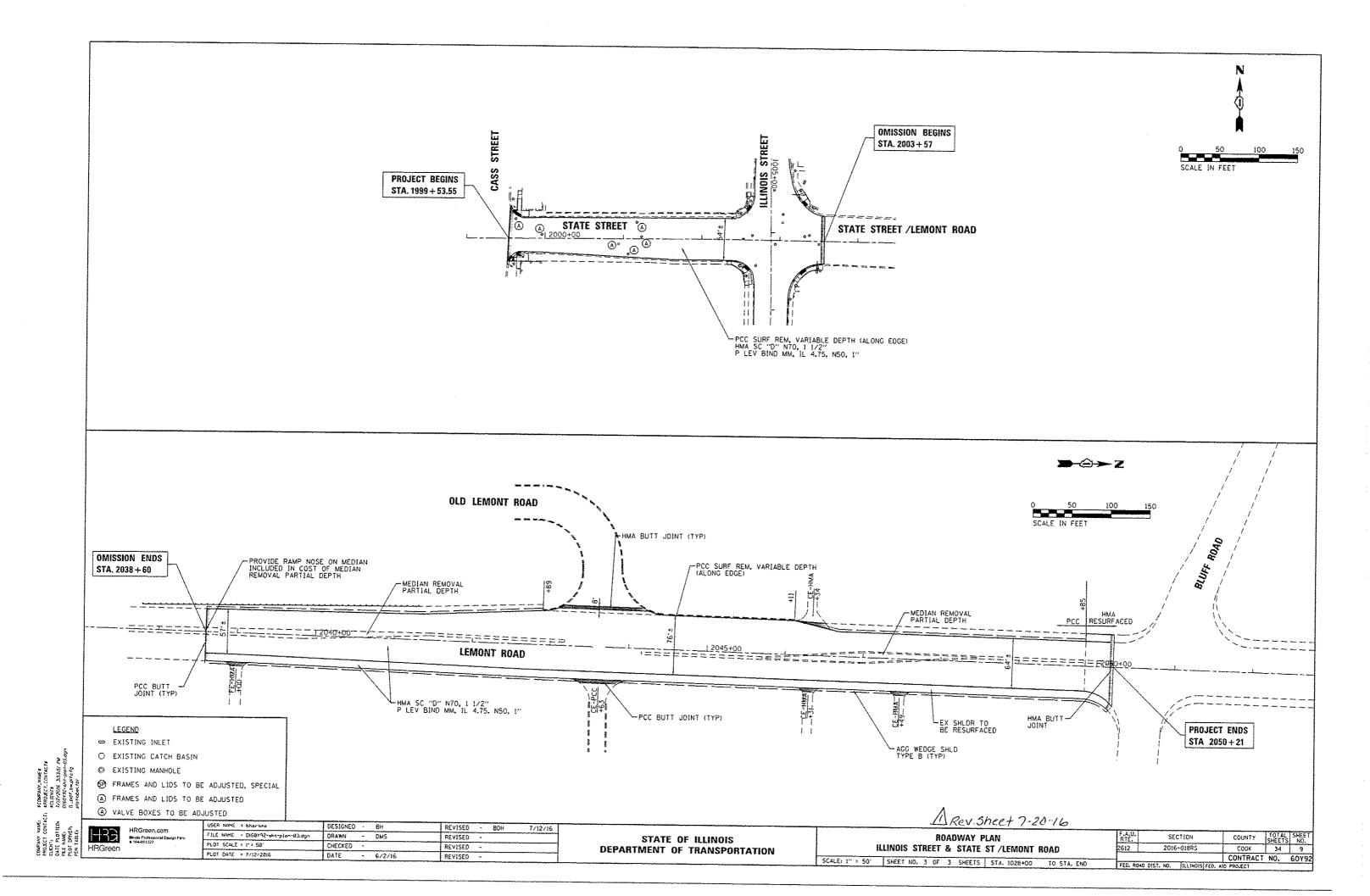
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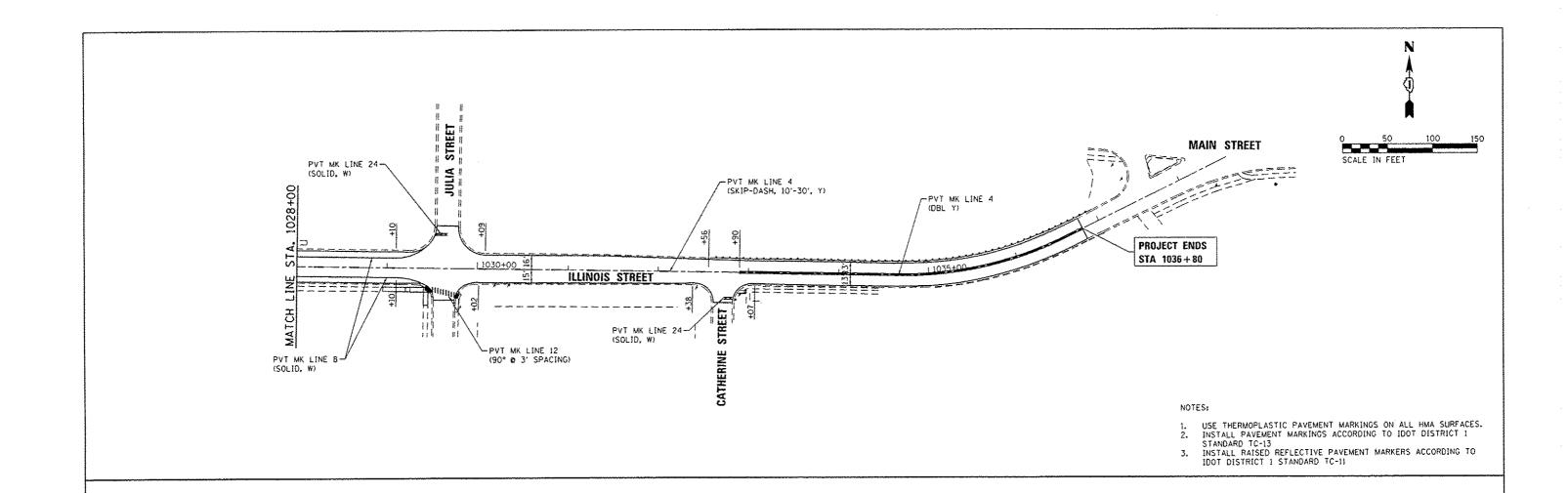
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

**EXISTING & PROPOSED TYPICAL SECTIONS** STATE STREET /LEMONT ROAD SHEET NO. 1 OF 2 SHEETS STA.

SCALE: NTS

SHEETS NO 2016-018RS COOK 34 CONTRACT NO. 60Y9





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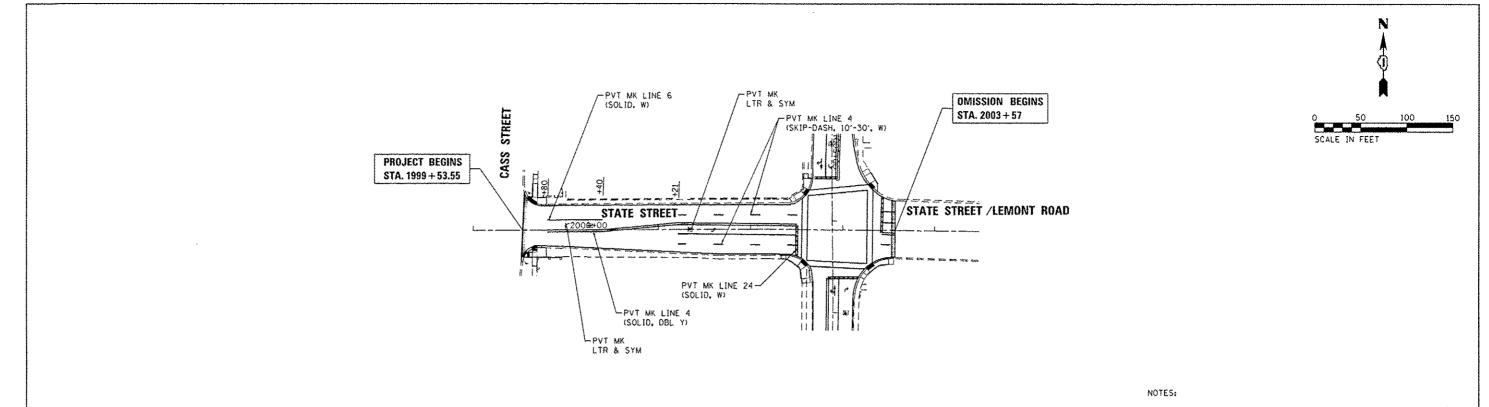
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PLOT SCALE + 1" + 50"	CHECKED -	REVISED -
PLOT DATE = 7/12/2016	DATE - 6/2/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

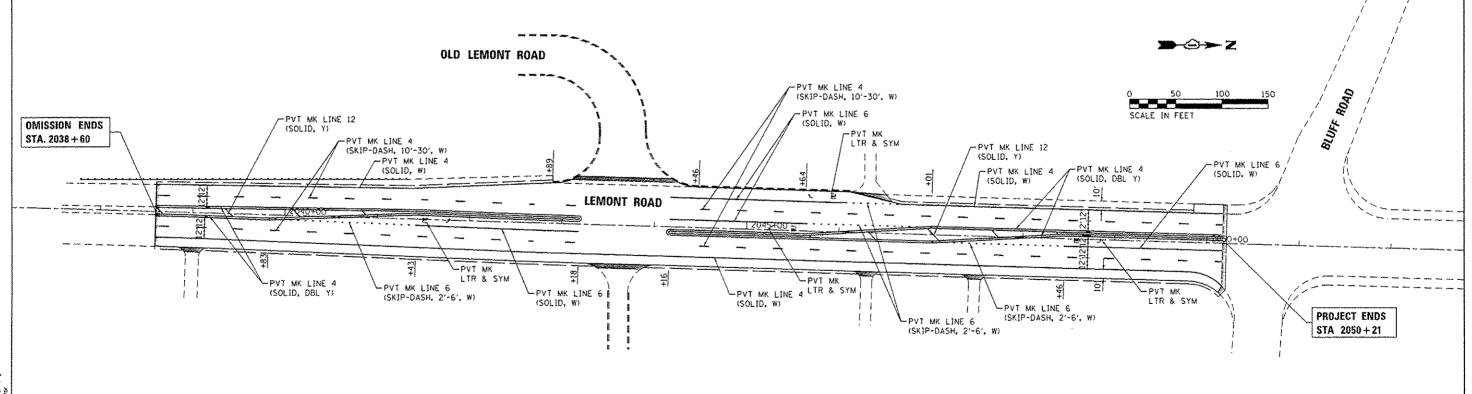
PAVEMENT MARKING PLAN ILLINOIS STREET & STATE ST /LEMONT ROAD SCALE: 1" = 50" SHEET NO. 2 OF 3 SHEETS STA. 1028+00 TO STA. END

COUNTY TOTAL SHEET NO.
COOK 34 11
CONTRACT NO. 60Y92 SECTION 2016-018RS

ARev. Sheet 7-20-16



- USE THERMOPLASTIC PAVEMENT MARKINGS ON ALL HMA SURFACES. INSTALL PAVEMENT MARKINGS ACCORDING TO IDOT DISTRICT 1 STANDARD TC-13
- STANDARD TC-13
  INSTALL RAISED REFLECTIVE PAVEMENT MARKERS ACCORDING TO
  IDOT DISTRICT I STANDARD TC-11



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DESIGNED - BH USER NAME = bhartma REVISED - BOH 7/12/16 FILE NAME + DIEBY92-oht-pmh-03.dg-DRAWN - DMS REVISED -PLOT SCALE = 1 = 50' CHECKED -REVISED -PLOT DATE = 7/12/2016 DATE - 6/2/16 REVISED .

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

PAVEMENT MARKING PLAN ILLINOIS STREET & STATE ST /LEMONT ROAD SCALE: 1" = 50" SHEET NO. 3 OF 3 SHEETS STA. 1028+00 TO STA. END

ARev. Sheet 7-20-16

COUNTY TOTAL SHEET NO. COOK 34 12 SECTION CONTRACT NO. 60Y92 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT