

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	FAP 0341 23 SMART	COOK	60	1
ILLINOIS			CONTRACT NO. 62V85	
* 60 + 2 = 62 TOTAL SHEETS				
** 62 + 2 = 64 TOTAL SHEETS				

FOR INDEX OF SHEETS AND HIGHWAY STANDARDS, SEE SHEET NO. 2

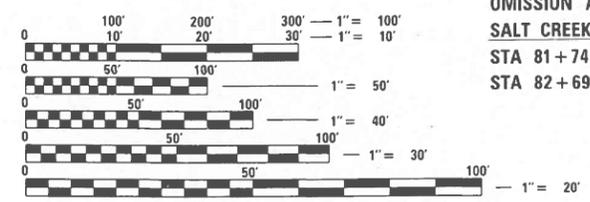
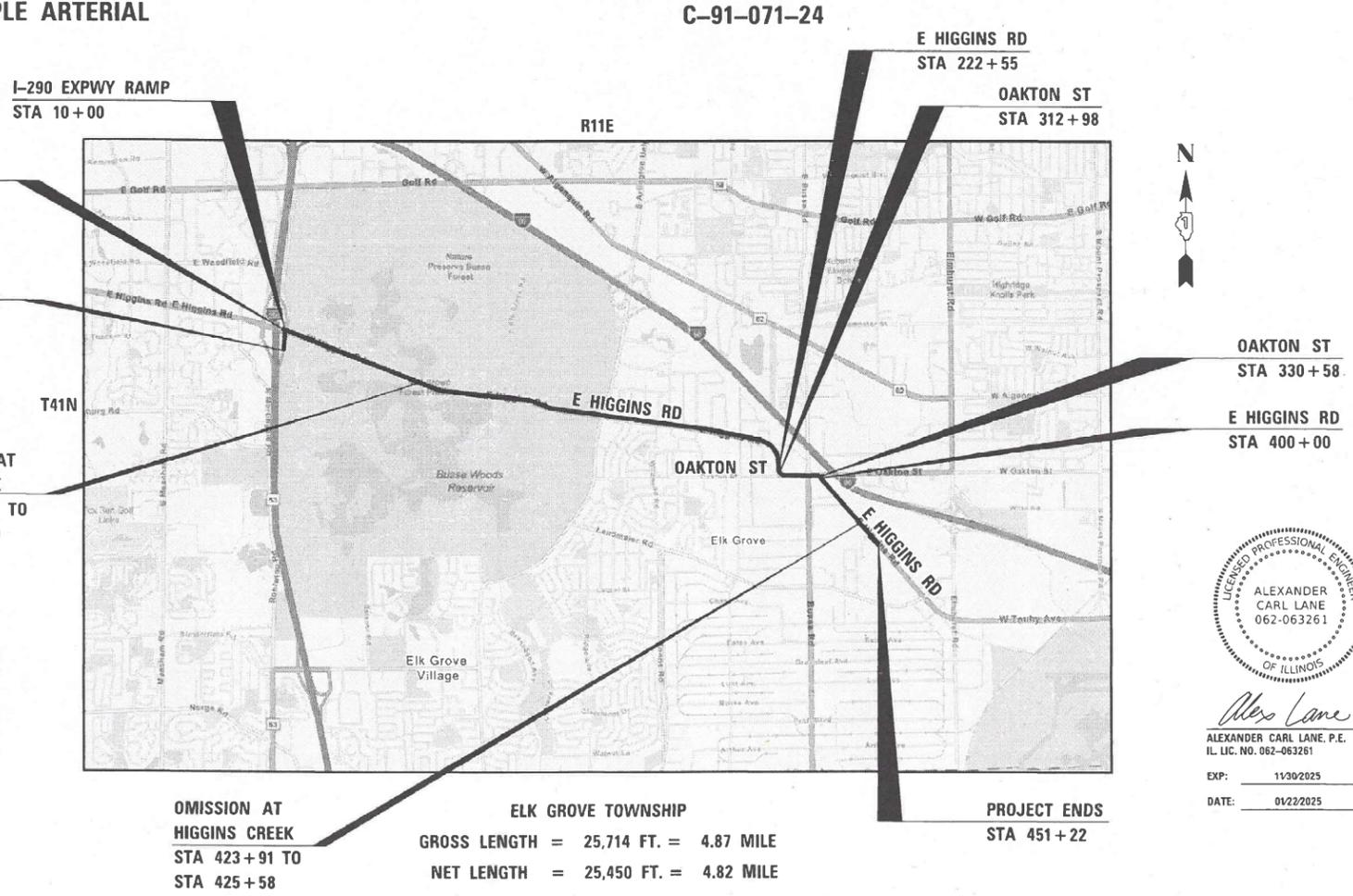
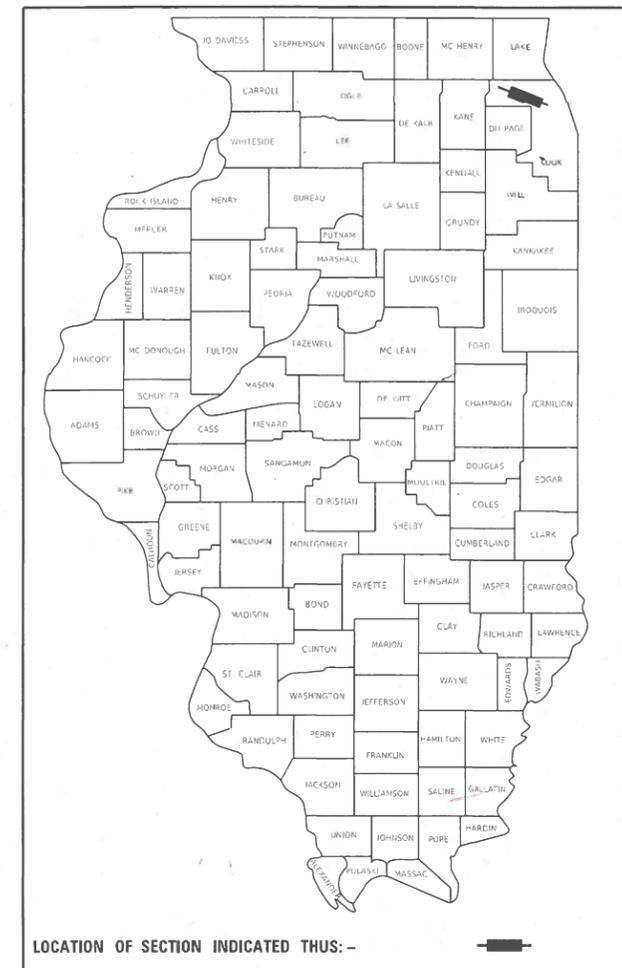
THIS PROJECT IS LOCATED IN THE VILLAGES OF SCHAUMBURG & ELK GROVE

# PROPOSED HIGHWAY PLANS

FAP ROUTE 0341: IL 72 (HIGGINS ROAD)  
I-290 (EISENHOWER EXPWY) TO NW OF LANDMEIER ROAD  
SECTION: FAP 0341 23 SMART  
PROJECT: NHPP-8SP4(014)  
SMART OVERLAY, ADA IMPROVEMENTS  
COOK COUNTY

### TRAFFIC DATA

2023 ADT = 21,500 - 29,000 VPD  
POSTED SPEED LIMIT = 35 - 45 MPH  
FUNCTIONAL CLASS = OTHER PRINCIPLE ARTERIAL



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: VESELIN VELICHKOV (847) 705-4432  
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62V85

ALEXANDER CARL LANE, P.E.  
IL LIC. NO. 062-063261  
EXP: 11/30/2025  
DATE: 01/22/2025

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED Jan 29<sup>th</sup> 2025  
Jawad Aqueel IR  
REGIONAL ENGINEER  
March 21 2025  
Veselin Velichkov  
ENGINEER OF DESIGN AND ENVIRONMENT  
March 21 2025  
Yusuf  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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REV-SEP

REVISED SHEET 4/10/2025

CONTACT: ALEXANDER LANE (312) 477-0620



PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				0005 ROADWAY		0021 TRAFFIC SIGNAL
				80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	233.9	233.9		
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	233.9	233.9		
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	233.9	233.9		
20200100	EARTH EXCAVATION	CU YD	3,220	3,220		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	150	150		
21101645	TOPSOIL FURNISH AND PLACE, 12"	SO YD	12,380	12,380		
25000210	SEEDING, CLASS 2A	ACRE	2.59	2.59		
25200110	SODDING, SALT TOLERANT	SO YD	150	150		
25200200	SUPPLEMENTAL WATERING	UNIT	626.6	626.6		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	42	42		
28000510	INLET FILTERS	EACH	12	12		
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	328	328		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	88,885	88,885		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	92,592	92,592		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	297	297		
40600582	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1,185	1,185		
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT 9.5 MIX "E" N80	TON	20,064	20,064		
42001300	PROTECTIVE COAT	SO YD	9,952	9,952		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4,260	4,260		
42400800	DETECTABLE WARNINGS	SO FT	273	273		
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	197,522	197,522		
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SO YD	1,543	1,543		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	20,493	20,493		

\* = SPECIALTY ITEM

PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				0005 ROADWAY		0021 TRAFFIC SIGNAL
				80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE
44000100	PAVEMENT REMOVAL	SO YD	76	76		
44000600	SIDEWALK REMOVAL	SO FT	3,075	3,075		
44003100	MEDIAN REMOVAL	SO FT	117,816	117,816		
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SO YD	168	168		
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	4,520	4,520		
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	1,180	1,180		
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	2,918	2,918		
56109210	WATER VALVES TO BE ADJUSTED	EACH	5	5		
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	116	116		
60404950	FRAMES AND GRATES, TYPE 24	EACH	7	7		
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	27	27		
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	14	14		
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	20,112	20,112		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	6,404	6,404		
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SO FT	688	688		
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3,220	3,220		
66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6		
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
66901006	REGULATED SUBSTANCES MONITORING	CAL DA	6	6		
67100100	MOBILIZATION	L SUM	1	1		
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	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		

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USER NAME = ALane	DESIGNED - JCS	REVISED -
PLOT SCALE = NTS	DRAWN - JCS	REVISED -
	CHECKED - ACL	REVISED -
	DATE - 02/04/2025	

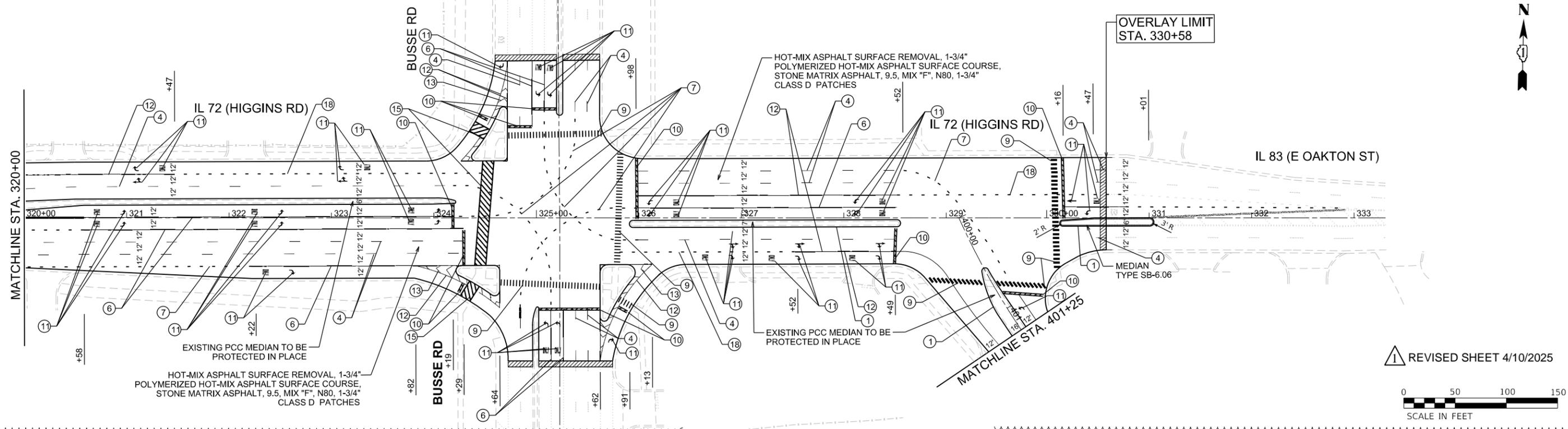
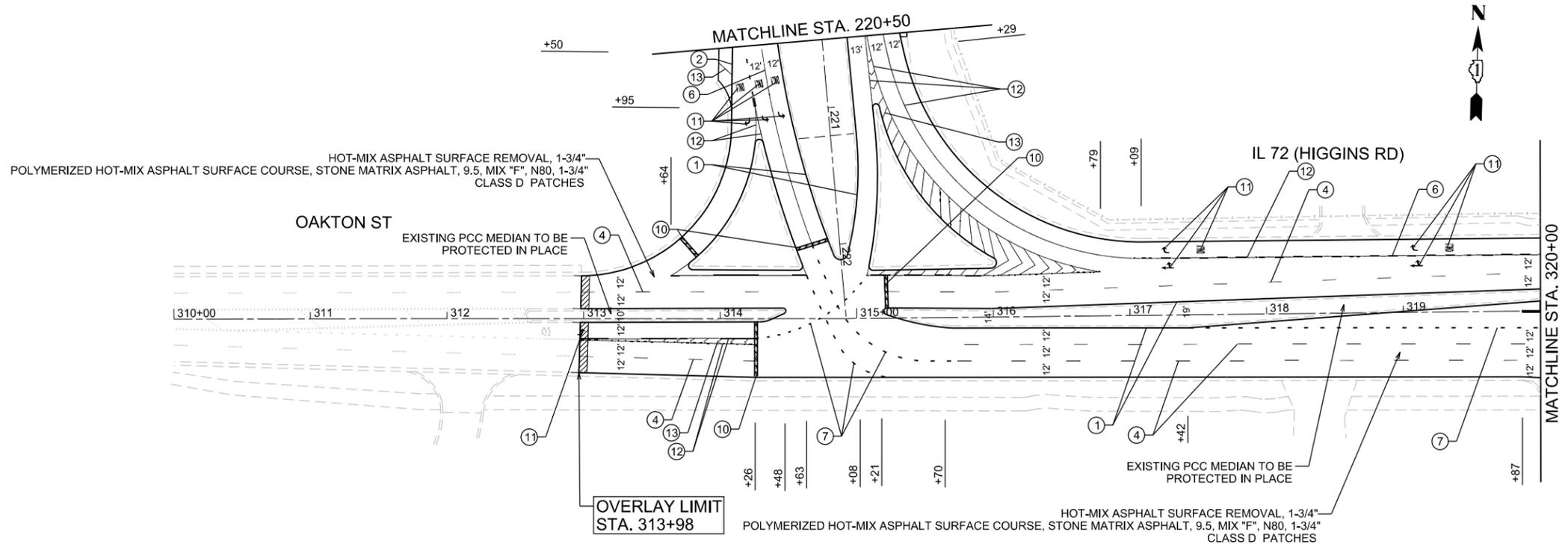
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>	
<b>IL 72 (HIGGINS ROAD)</b>	
SCALE: NTS	STA. TO STA.

F.A.P. RTE. 0341	SECTION FAP 0341 23 SMART	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 3
CONTRACT NO. 62V85				
ILLINOIS FED. AID PROJECT				

△ REVISED SHEET 4/10/2025

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- PAVEMENT MARKING LEGEND**
- ① LINE 4", SOLID, YELLOW - EDGE LINE (TYP)
  - ② LINE 4", SOLID WHITE - EDGE LINE (TYP)
  - ③ LINE 4", DOUBLE SOLID YELLOW, 2 @ 11" C-C - (TYP)
  - ④ LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES (TYP)
  - ⑤ LINE 4", SKIP-DASH, YELLOW (10' LINE - 30' SPACE) - LANE LINES (TYP)
  - ⑥ LINE 6", SOLID WHITE - TURN LANE MARKING (TYP)
  - ⑦ LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)

- ⑧ LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 75' C-C (5 MINIMUM) (TYP)
- ⑨ LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)
- ⑩ LINE 24", SOLID, WHITE - STOP LINES (TYP)
- ⑪ LETTERS & SYMBOLS, SOLID WHITE (TYP)
- ⑫ LINE 8", SOLID WHITE - EDGE LINE (TYP)
- ⑬ LINE 12", SOLID, WHITE - DIAGONAL OR CHEVRON @ 45 DEG. @ 10' C-C (5 MINIMUM) (TYP)
- ⑭ LINE 6", SOLID WHITE - CROSSWALK MARKING (TYP)
- ⑮ LINE 12", SOLID, WHITE - DIAGONAL CROSSWALK MARKING @ 45 DEG. @ 2' C-C (TYP)

- ⑯ LINE 6", SKIP-DASH WHITE (3' LINE-9' SPACE) - DOTTED LINES (TYP)
- ⑰ LINE 5", SOLID, WHITE
- ⑱ LINE 8", DOTTED 3'-9" SKIP LINE

**LEGEND**

- HMA SURFACE REMOVAL BUTT JOINT, 4.5' OR AS DIMENSIONED
- MEDIAN REMOVAL (PCC 4") EARTH EXCAVATION, 8" TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A N-P-K FERTILIZER NUTRIENT SUPPLEMENTAL WATERING EROSION CONTROL BLANKET (SPECIAL)

**NOTES**

1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA PAVEMENT.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.



USER NAME = ATverdokneb	DESIGNED - JCS	REVISED - AMT 4/3/2025
PLOT SCALE = 1"=50'	DRAWN - JCS	REVISED -
	CHECKED - ACL	REVISED -
	DATE - 03/25/2025	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS  
IL 72 (HIGGINS ROAD)**

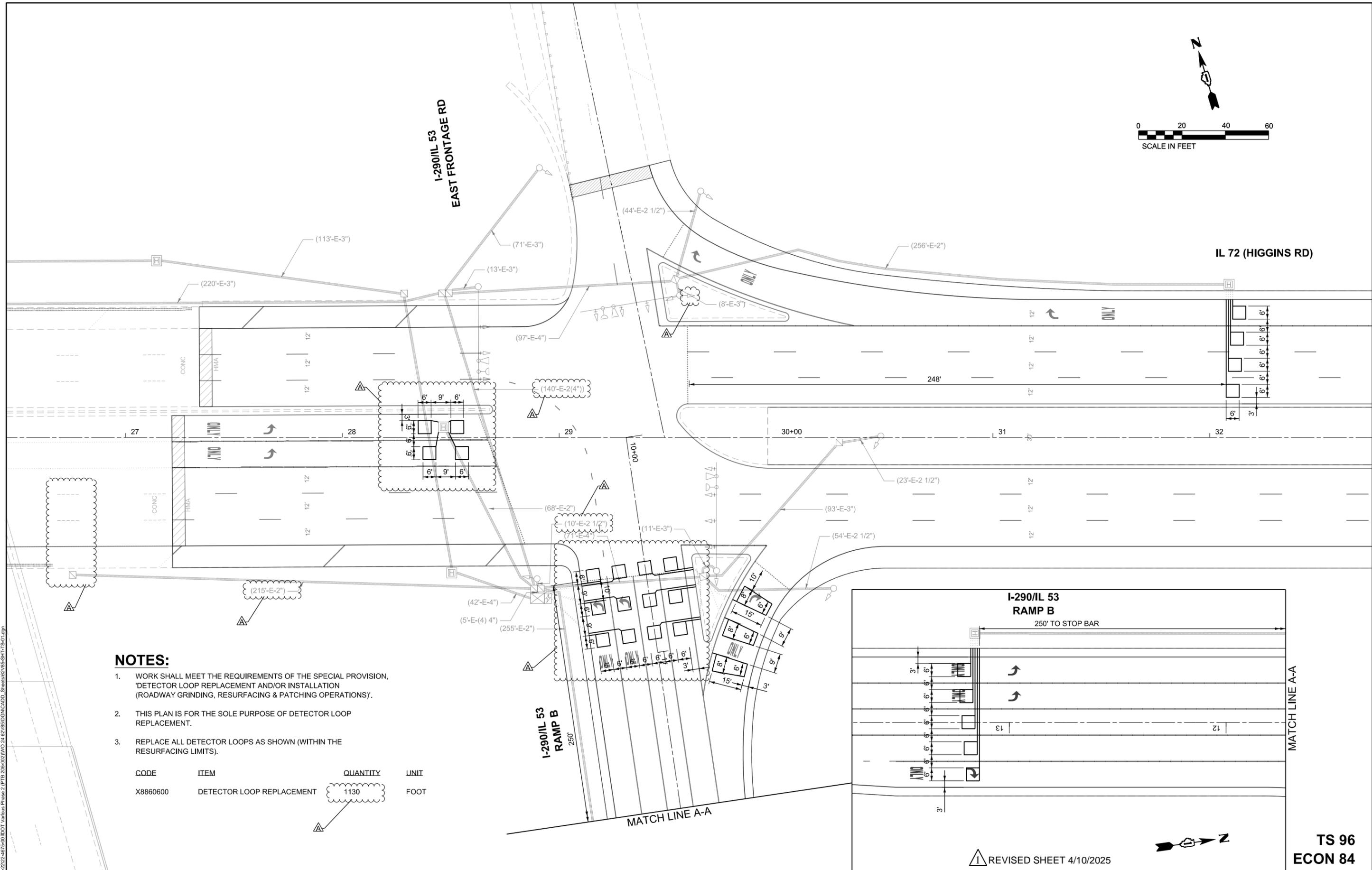
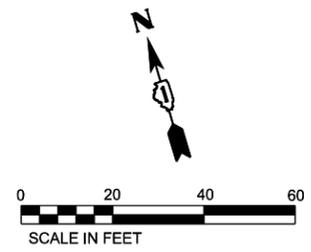
SCALE: 1"=50'

STA. TO STA.

F.A.P. RTE. 0341	SECTION FAP 0341 23 SMART	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 17
CONTRACT NO. 62V85				
ILLINOIS		FED. AID PROJECT		

REVISD SHEET 4/10/2025

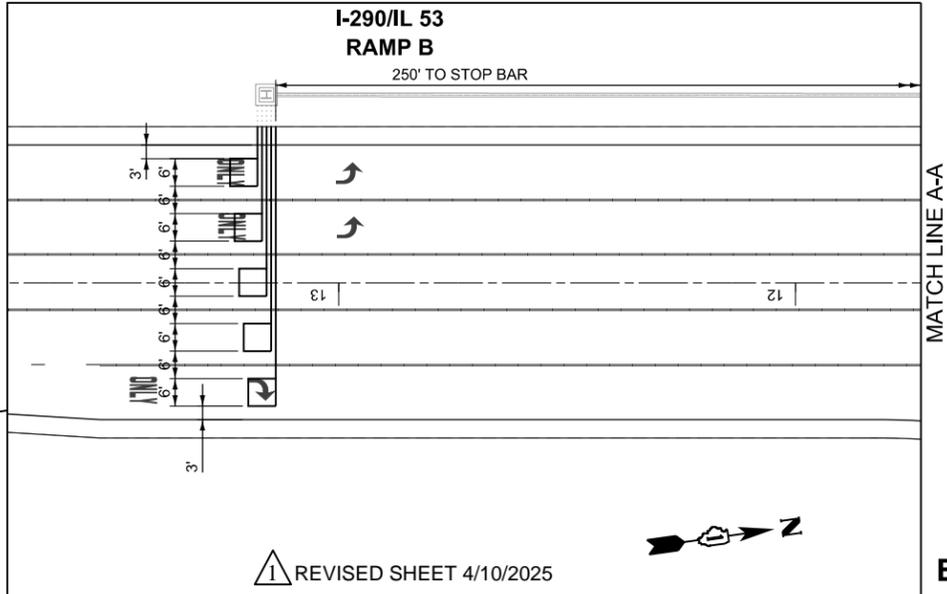




**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, 'DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)'.
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS).

CODE	ITEM	QUANTITY	UNIT
X8860600	DETECTOR LOOP REPLACEMENT	1130	FOOT



REVISIION SYMBOL: REVISED SHEET 4/10/2025

**TS 96  
ECON 84**

MODEL: D:\ch\1  
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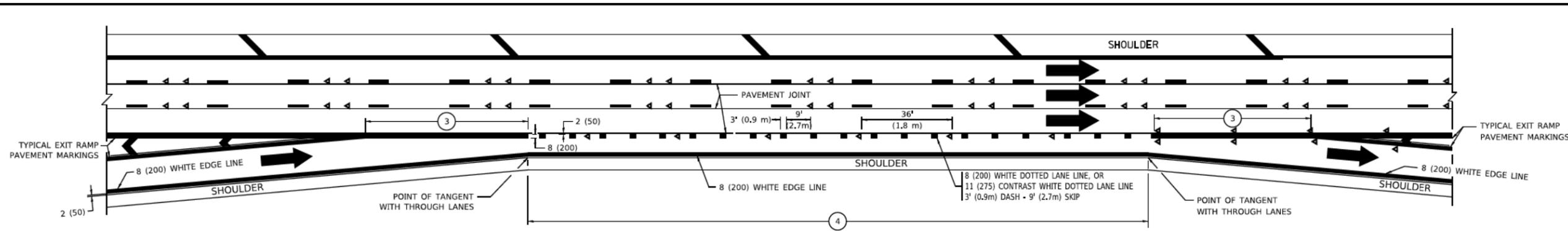
USER NAME = ATverdoknieb	DESIGNED - MPK	REVISED -  AMT 4/3/2025
PLOT SCALE = 1" = 20'	DRAWN - MPK	REVISED -
	CHECKED - ACL	REVISED -
	DATE - 03/25/2025	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

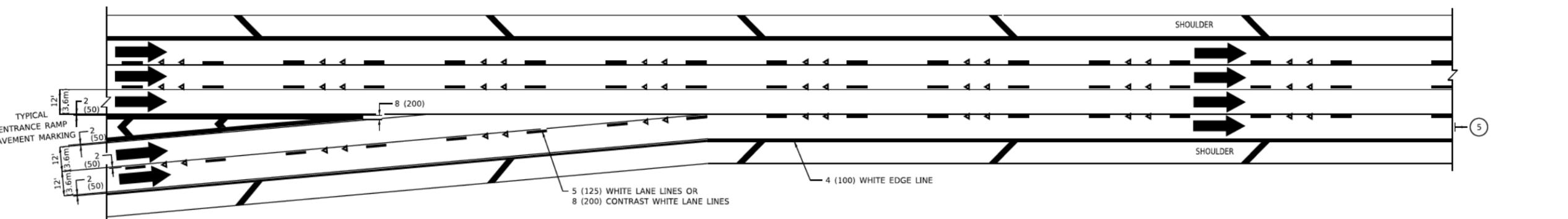
**DETECTOR LOOP REPLACEMENT PLAN**  
**IL 72 (HIGGINS ROAD) AT I-290/IL 53 RAMP B /E FRONTAGE ROAD**  
 SCALE: 1" = 20'      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	FAP 0341 23 SMART	COOK	60	38
CONTRACT NO. 62V85				
ILLINOIS FED. AID PROJECT				

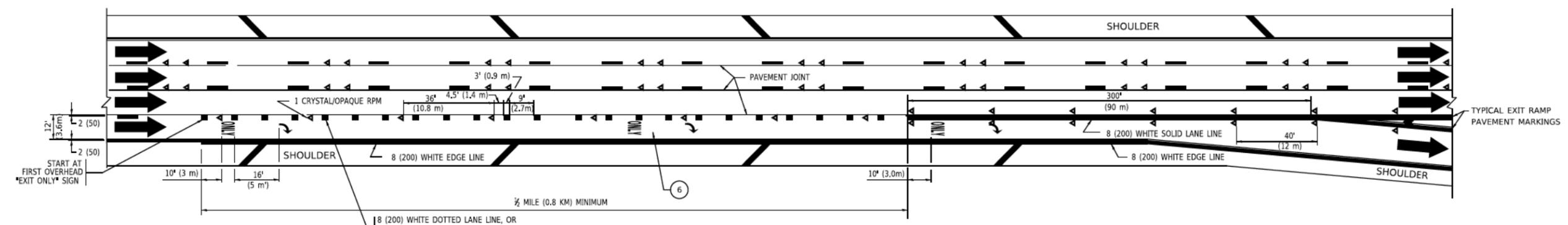




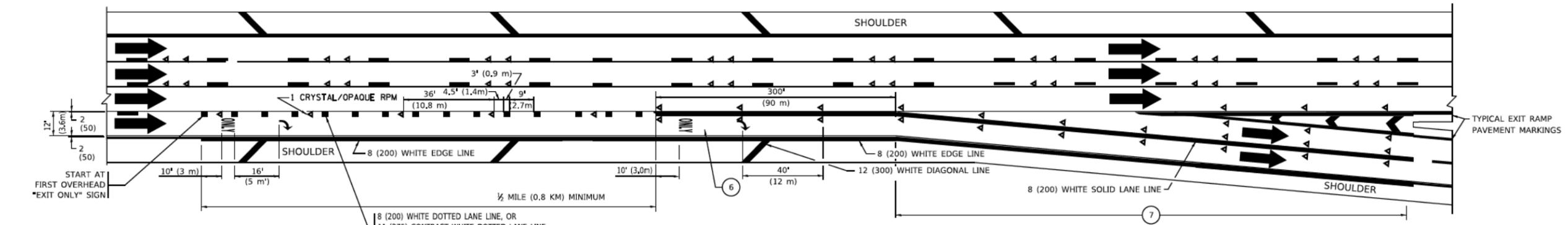
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

△ ADDED ENTIRE SHEET 4/10/2025

MODEL: D:\draft\...  
 FILE NAME: ...  
 PROJECT: ...  
 DATE: ...  
 DRAWN BY: ...  
 CHECKED BY: ...  
 PLOT DATE: ...

USER NAME - footem	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
PLOT SCALE - 50,0000' / in.	DRAWN - S.P.B. 01-07	REVISED - S.P.B. 01-10
PLOT DATE - 3/4/2019	CHECKED -	REVISED - M.D. 09-17
	DATE - 01-90	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MULTI-LANE FREEWAY  
PAVEMENT MARKING DETAILS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 0341	SECTION FAP 0341 23 SMART	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 54B
TC-12		CONTRACT NO. 62V85		
ILLINOIS FED. AID PROJECT				