

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0365	FAP 0365 22 RS	DUPAGE	41	1
		ILLINOIS	CONTRACT NO. 62T21	

D-91-267-22



FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED  
IN THE CITIES OF WARRENVILLE,  
WHEATON AND AURORA.

TRAFFIC DATA:  
ADT = 16,400 - 26,800 (2023)

POSTED SPEED LIMIT  
FROM STA 15+62 TO BATAVIA RD = 50 MPH  
FROM BATAVIA RD TO ORCHARD RD = 55 MPH  
FROM ORCHARD RD TO CROMWELL DR = 50 MPH  
FROM CROMWELL DR TO STA 343+24 = 45 MPH

# PROPOSED HIGHWAY PLANS

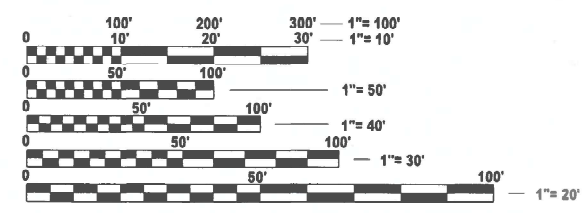
FAP ROUTE 0365: IL 56 (BUTTERFIELD RD)  
0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD  
SECTION: FAP 0365 22 RS  
PROJECT: NHPP-KH8K (115)  
SMART OVERLAY & ADA IMPROVEMENTS  
DUPAGE COUNTY

DESIGN DESIGNATION:  
OTHER PRINCIPAL ARTERIAL

OMISSIONS  
STA 117+00 TO STA 119+23  
STA 173+31 TO STA 173+60  
STA 173+90 TO STA 174+20

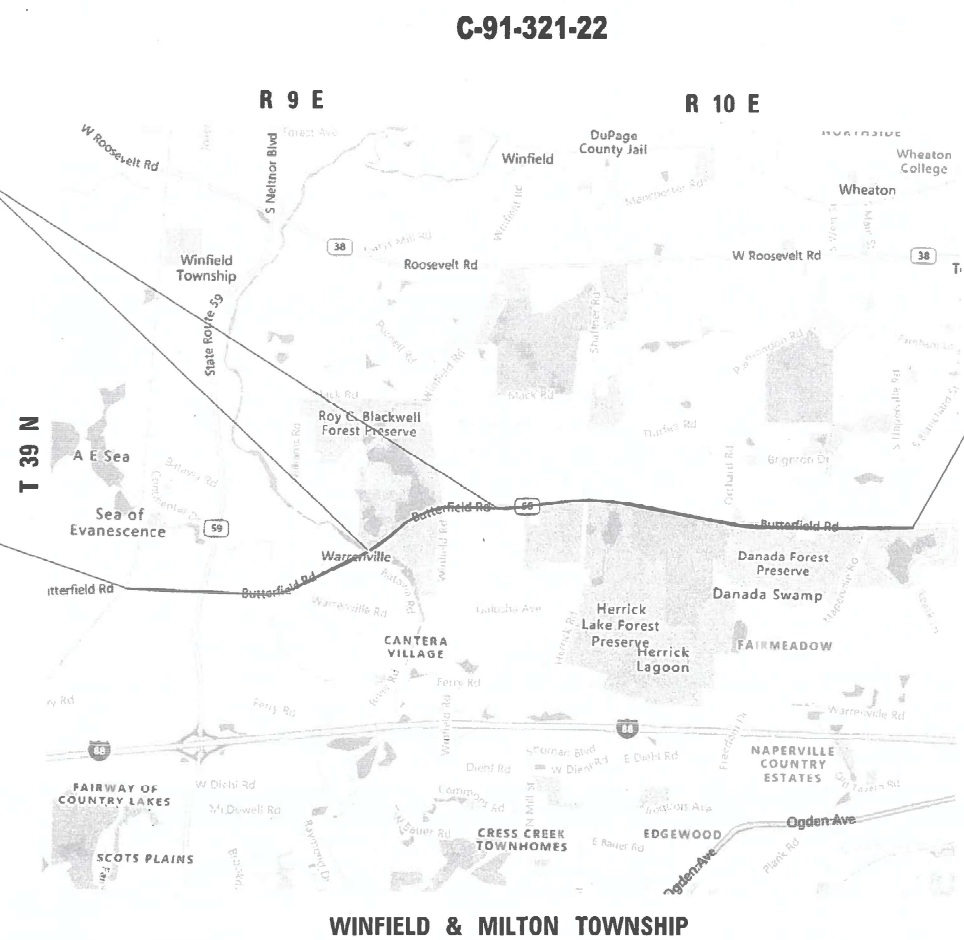
PROJECT BEGINS  
STATION 15+62

PROJECT ENDS  
STATION 343+24



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



GROSS LENGTH = 32,762 FT. = 6.20 MILES  
NET LENGTH = 32,480 FT. = 6.15 MILES

PROJECT ENGINEER: DANIEL WILGREEN, P.E. (847) 705-4240  
PROJECT MANAGER: ALAIN J. MIDY, P.E. (847) 221-3056

CONTRACT NO. 62T21

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 11 20 24  
Jared Ross IR  
REGIONAL ENGINEER

December 6, 2024  
See E.A. Elk  
ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024  
James J. Gu  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
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5-9	EXISTING AND PROPOSED TYPICAL SECTIONS
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34	CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
35	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
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40	DRIVEWAY ENTRANCE SIGNING (TC-26)
41	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

**STATE STANDARDS**

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	DEPRESSED CORNER FOR SIDEWALKS
424021-07	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
604001-05	FRAME AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15'(4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEED >= 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEED >= 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH OR LESS THAN LESS THAN 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH, 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).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND CITIES OF WARRENVILLE, AURORA AND WHEATON.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- 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.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 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.
- SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED 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.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- THE CONTRACTOR SHALL 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 SHALL DELIVER THE RECORD TO THE ENGINEER.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
- 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.
- ADA PEDESTRIAN RAMPS AT SIGNALIZED INTERSECTIONS TO BE IMPROVED UNDER CONTRACT NUMBER 62N32.

**GENERAL NOTES**

- 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 CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND FOR IN KIND.
- ALL DAMAGE TO EXISITING PAVEMENT MARKERS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINESHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 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 SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FORE CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND CITIES OF WARRENVILLE, AURORA AND WHEATON.

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PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	2
			CONTRACT NO. 62T21	
ILLINOIS   FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-56 DUPAGE	IL-56 DUPAGE	IL-56 DUPAGE			
				ROADWAY	ROADWAY	TRAFFIC			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
20200100	EARTH EXCAVATION	CU YD	4	4					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	40	40					
25200110	SODDING, SALT TOLERANT	SQ YD	40	40					
25200200	SUPPLEMENTAL WATERING	UNIT	0.2	0.2					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	140338	140338					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	116529	116529					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	469	469					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1309	1309					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	7484	7484					
40605036	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80	TON	27446	27446					
42001300	PROTECTIVE COAT	SQ YD	40	40					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	380	380					
42400800	DETECTABLE WARNINGS	SQ FT	90	90					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	311861	311861					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	155	155					
44000600	SIDEWALK REMOVAL	SQ FT	380	380					
44003100	MEDIAN REMOVAL	SQ FT	90	90					
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	750	750					
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	450	450					
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	305	305					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	867	867					

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-56 DUPAGE	IL-56 DUPAGE	IL-56 DUPAGE			
				ROADWAY	ROADWAY	TRAFFIC			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
60262700	INLETS TO BE RECONSTRUCTED	EACH	2	2					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	4	4					
60404800	FRAMES AND GRATES, TYPE 11	EACH	2	2					
60404950	FRAMES AND GRATES, TYPE 24	EACH	2	2					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	75	75					
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	80	80					
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	90	90					
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	25	25					
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1					
* 63200310	GUARDRAIL REMOVAL	FOOT	25	25					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4	4					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3					
* 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	3	3					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					
67100100	MOBILIZATION	L SUM	1	1					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					

\* = SPECIALITY ITEM  
Δ = NON-PARTICIPATING WORK (100% STATE)

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PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	3
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-56 DUPAGE	IL-56 DUPAGE	IL-56 DUPAGE			
				ROADWAY	ROADWAY	TRAFFIC			
Code No.	Item	Unit	Total Quantity	80% FED 20% STATE	100% STATE	80% FED 20% STATE			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	100920	100920					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	33640	33640					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	11960	11960					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	138080	138080					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	37800	37800					
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	33140	33140					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	51540	51540					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	4140	4140					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	5980	5980					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	69040	69040					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	18900	18900					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	16570	16570					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	25770	25770					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	2070	2070					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2376	2376					
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	2	2					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2376	2376					
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	480	480					

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-56 DUPAGE	IL-56 DUPAGE	IL-56 DUPAGE			
				ROADWAY	ROADWAY	TRAFFIC			
Code No.	Item	Unit	Total Quantity	80% FED 20% STATE	100% STATE	80% FED 20% STATE			
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	315	315					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	235	235					
Δ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	315		315				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	8	8					
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	3428			3428			
Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	45	45					
Δ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	21		21				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	105	105					
Z0034105	MATERIAL TRANSFER DEVICE	TON	27446	27446					
X0325499	REMOVAL OF THIN EPOXY POLYMER BRIDGE DECK OVERLAY	SQ YD	45	45					
∅ Z0077600	TRAINEES	HOUR	500	500					
∅ Z0077604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

\* = SPECIALITY ITEM  
Δ = NON-PARTICIPATING  
WORK (100% STATE)

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

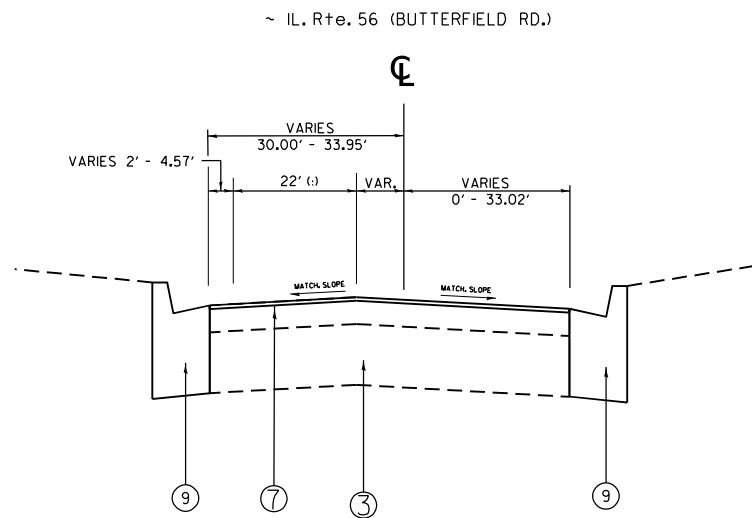
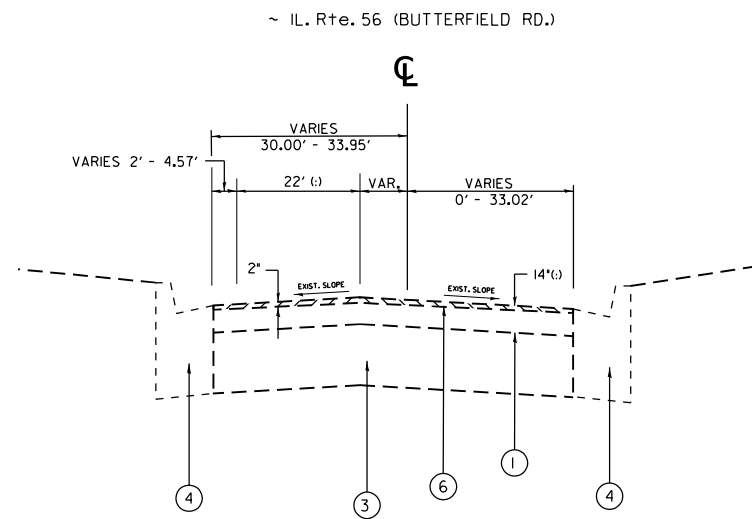
**SUMMARY OF QUANTITIES  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	4
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- ① EXIST. HOT-MIX ASPHALT PAVEMENT, 14"
- ② EXIST. HOT-MIX ASPHALT SHOULDERS, 14"
- ③ AGGREGATE SUBGRADE 12"
- ④ EXIST. CONCRETE CURB AND GUTTER
- ⑤ EXIST. AGGREGATE WEDGE SHOULDER
- ⑥ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- ⑦ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA MIX "F", 12.5, N80, 2"
- ⑧ HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
- ⑨ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)
- ⑩ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑪ PROP. GRADING AND SHAPING SHOULDERS



1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE MIXTURES IS 112 LBS/SQYD/IN.
2. 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 RECLAIMED MATERIALS SPECIFICATIONS.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILL SURFACE.
4. THE CONTRACTOR SHALL MILL BEFORE PATCHING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)	MTD REQUIRED? (YES/NO)
MIXTURE TYPE	AIR VOIDS @ Ndesign		
<b>PAVEMENT RESURFACING</b>			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA MIX "F", IL-12.5, N80, 2"	3.5% @ 80 GYR	PFP	YES
<b>PATCHING</b>			
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR	QC/QA	NO
<b>HMA SHOULDER</b>			
HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 2"	4% @ 70 GYR	QCP	NO
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)			

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PLOT DATE = 10/17/2024	CHECKED -	REVISED -
	DATE -	REVISED -

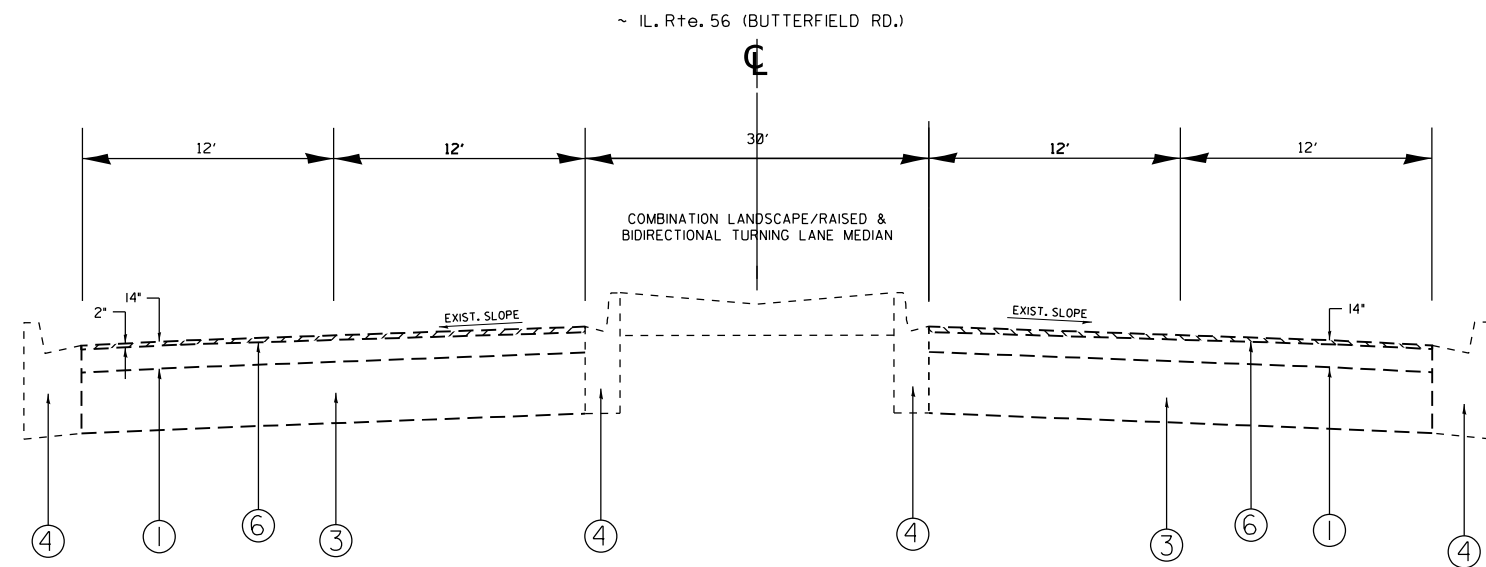
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTION IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD</b>			
SCALE:	SHEET	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0365	FAP 0365 22 RS	DUPAGE	41	5
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

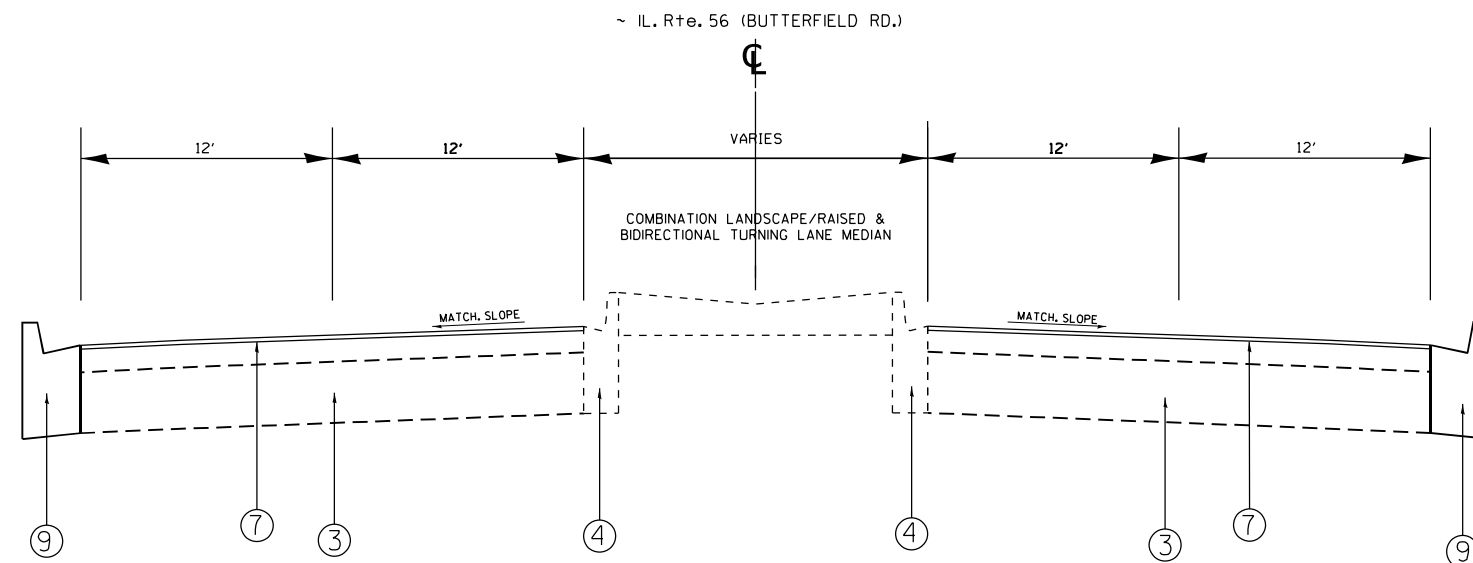
LEGEND

- ① EXIST. HOT-MIX ASPHALT PAVEMENT, 14"
- ② EXIST. HOT-MIX ASPHALT SHOULDERS, 14"
- ③ AGGREGATE SUBGRADE 12"
- ④ EXIST. CONCRETE CURB AND GUTTER
- ⑤ EXIST. AGGREGATE WEDGE SHOULDER
- ⑥ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- ⑦ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA MIX "F", 12.5, N80, 2"
- ⑧ HMA SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
- ⑨ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)
- ⑩ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑪ PROP. GRADING AND SHAPING SHOULDERS



EXISTING TYPICAL SECTION  
IL. RTE. 56 (BUTTERFIELD RD.)

STATION:  
18+93 TO 26+00  
87+92 TO 97+62  
108+00 TO 117+00



PROPOSED TYPICAL SECTION  
IL. RTE. 56 (BUTTERFIELD RD.)

STATION:  
18+93 TO 26+00  
87+92 TO 97+62  
108+00 TO 117+00

MODEL: TYPICAL-2 (Sheet)  
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PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 10/17/2024	CHECKED -	REVISED -
	DATE -	REVISED -

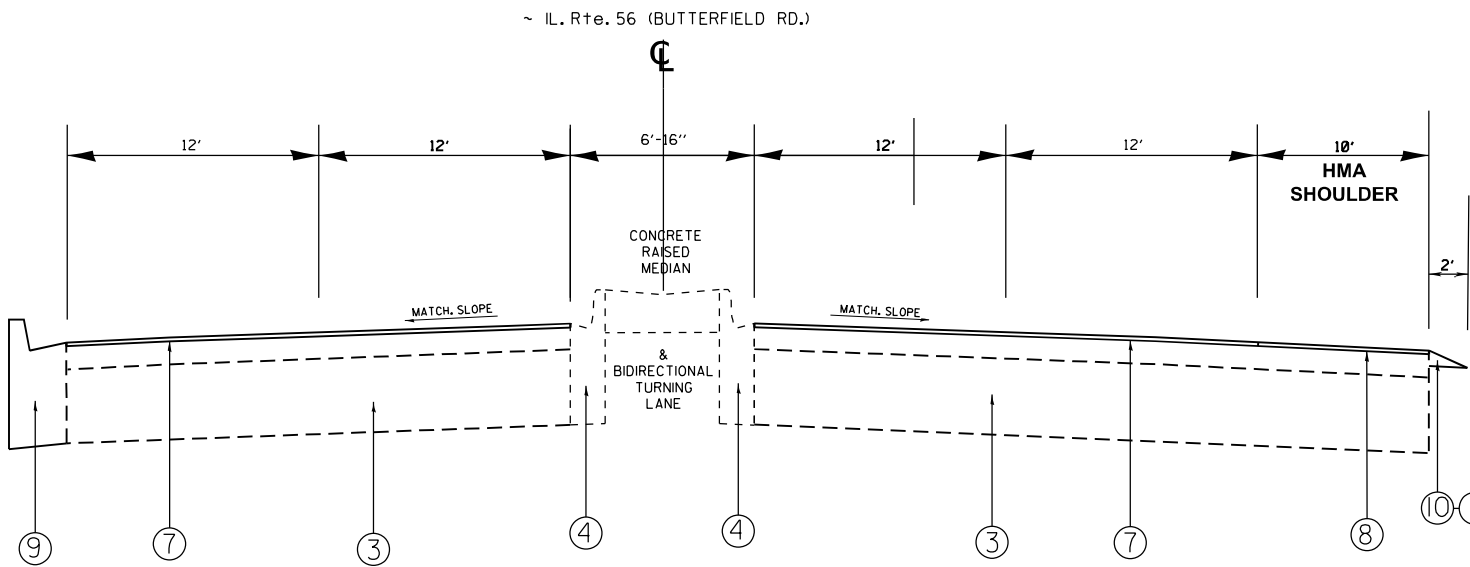
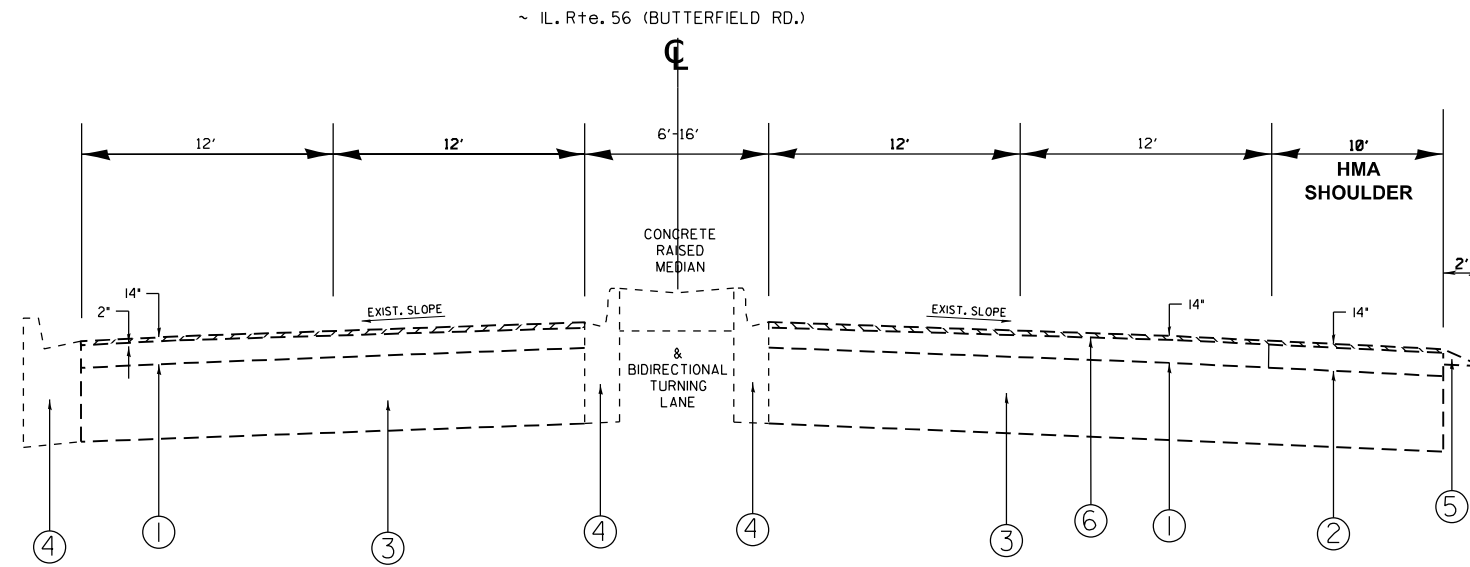
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTION</b>			
<b>IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD</b>			
SCALE:	SHEET	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0365	FAP 0365 22 RS	DUPAGE	41	6
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXIST. HOT-MIX ASPHALT PAVEMENT, 14"
- ② EXIST. HOT-MIX ASPHALT SHOULDERS, 14"
- ③ AGGREGATE SUBGRADE 12"
- ④ EXIST. CONCRETE CURB AND GUTTER
- ⑤ EXIST. AGGREGATE WEDGE SHOULDER
- ⑥ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- ⑦ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA MIX "F", 12.5, N80, 2"
- ⑧ HMA SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
- ⑨ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)
- ⑩ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑪ PROP. GRADING AND SHAPING SHOULDERS



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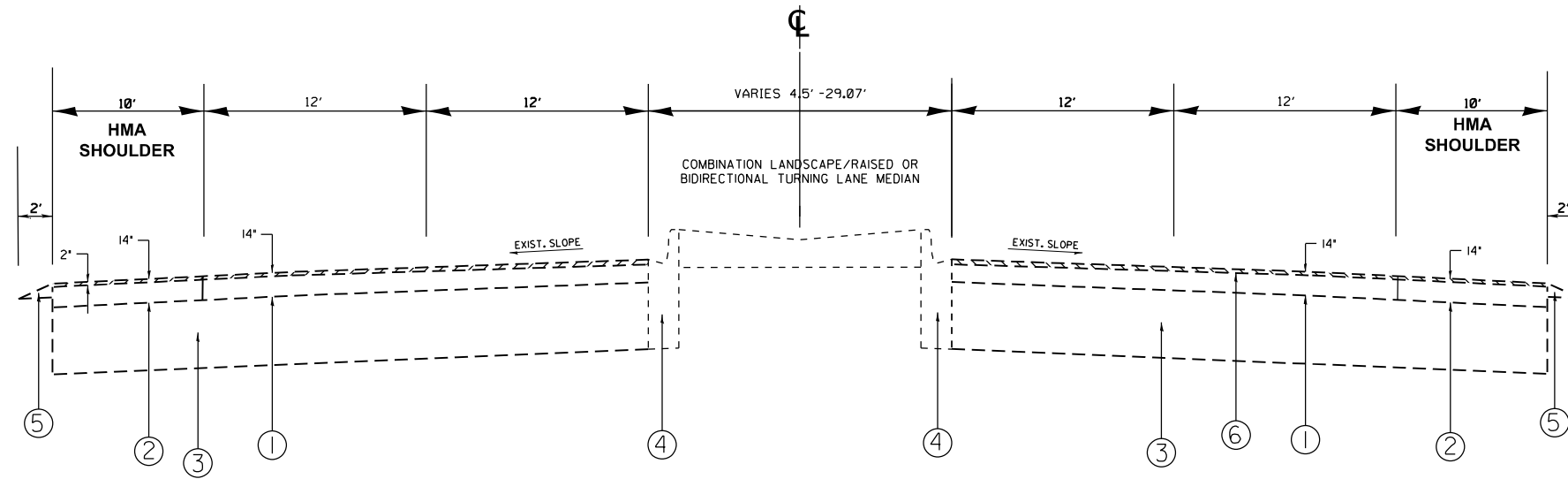
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PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 10/17/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>EXISTING AND PROPOSED TYPICAL SECTION</b>			
<b>IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD</b>			
SCALE:	SHEET	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0365	FAP 0365 22 RS	DUPAGE	41	7
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

~ IL. RTE. 56 (BUTTERFIELD RD.)



EXISTING TYPICAL SECTION  
IL. RTE. 56 (BUTTERFIELD RD.)

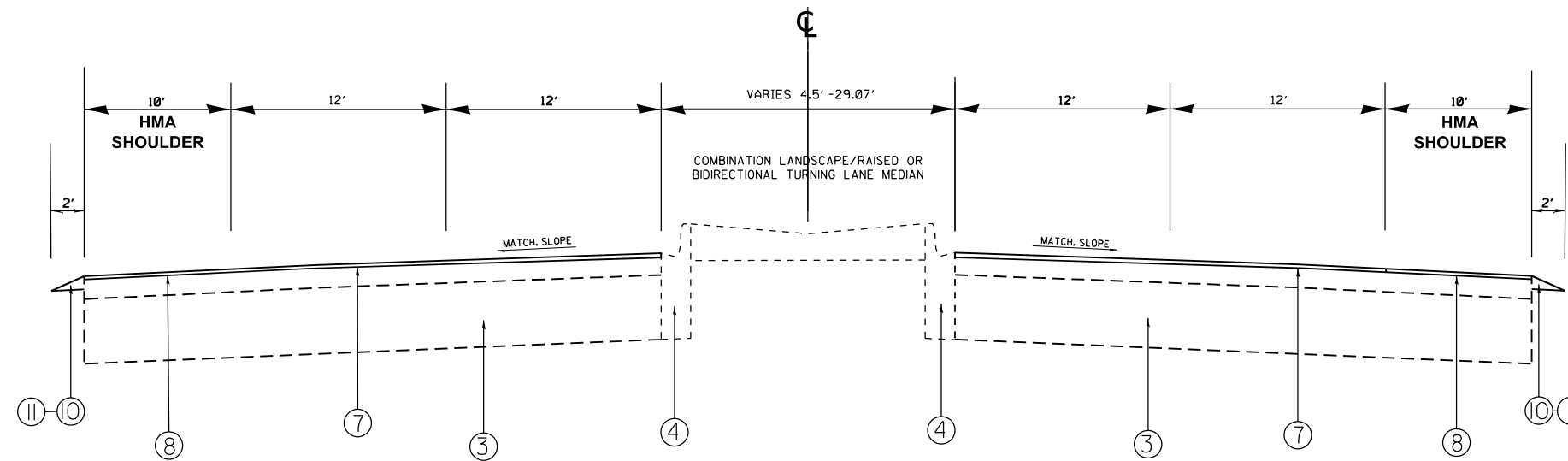
STATION:  
26+00 TO 87+92  
119+23 TO 310+00

LEGEND

- ① EXIST. HOT-MIX ASPHALT PAVEMENT, 14"
- ② EXIST. HOT-MIX ASPHALT SHOULDERS, 14"
- ③ AGGREGATE SUBGRADE 12"
- ④ EXIST. CONCRETE CURB AND GUTTER
- ⑤ EXIST. AGGREGATE WEDGE SHOULDER
- ⑥ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- ⑦ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA MIX "F", 12.5, N80, 2"
- ⑧ HMA SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
- ⑨ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)
- ⑩ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑪ PROP. GRADING AND SHAPING SHOULDERS



~ IL. RTE. 56 (BUTTERFIELD RD.)



PROPOSED TYPICAL SECTION  
IL. RTE. 56 (BUTTERFIELD RD.)

STATION:  
26+00 TO 87+92  
119+23 TO 310+00

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PLOT DATE = 10/17/2024	CHECKED -	REVISED -
	DATE -	REVISED -

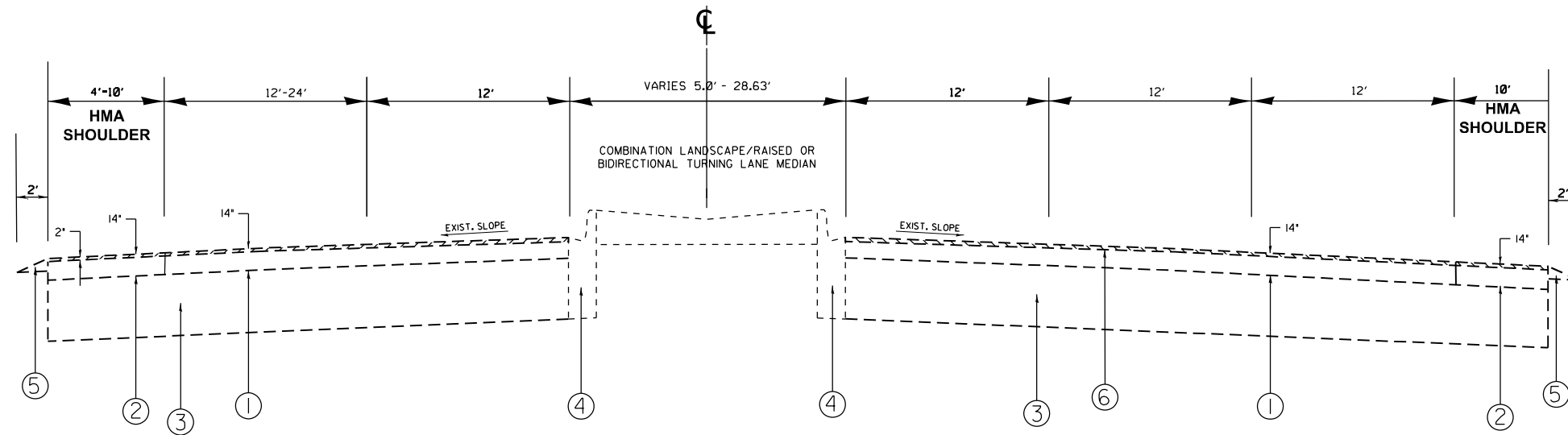
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTION IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD</b>			
SCALE:	SHEET	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE. 0365	SECTION FAP 0365 22 RS	COUNTY DUPAGE	TOTAL SHEETS 41	SHEET NO. 8
ILLINOIS				FED. AID PROJECT



~ IL. Rte. 56 (BUTTERFIELD RD.)



EXISTING TYPICAL SECTION  
IL. RTE. 56 (BUTTERFIELD RD.)

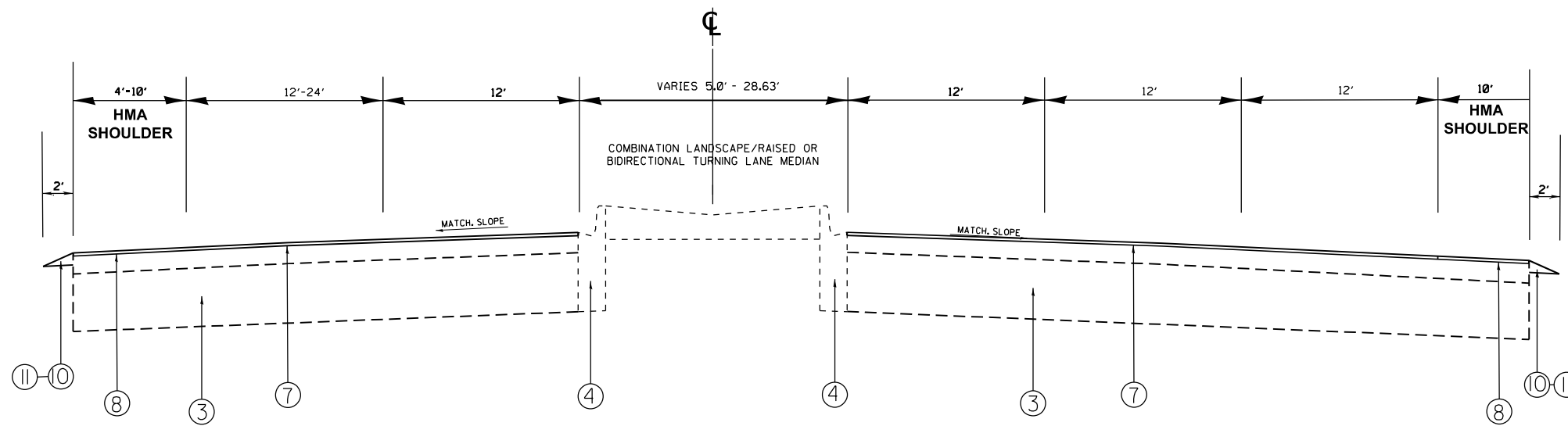
STATION:  
310+00 TO 343+24

LEGEND

- ① EXIST. HOT-MIX ASPHALT PAVEMENT, 14"
- ② EXIST. HOT-MIX ASPHALT SHOULDERS, 14"
- ③ AGGREGATE SUBGRADE 12"
- ④ EXIST. CONCRETE CURB AND GUTTER
- ⑤ EXIST. AGGREGATE WEDGE SHOULDER
- ⑥ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- ⑦ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA MIX "F", 12.5, N80, 2"
- ⑧ HMA SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
- ⑨ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)
- ⑩ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑪ PROP. GRADING AND SHAPING SHOULDERS



~ IL. Rte. 56 (BUTTERFIELD RD.)



PROPOSED TYPICAL SECTION  
IL. RTE. 56 (BUTTERFIELD RD.)

STATION:  
310+00 TO 343+24

MODEL: TYPICAL-6 (Sheet)  
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PLOT DATE = 10/17/2024	CHECKED -	REVISED -
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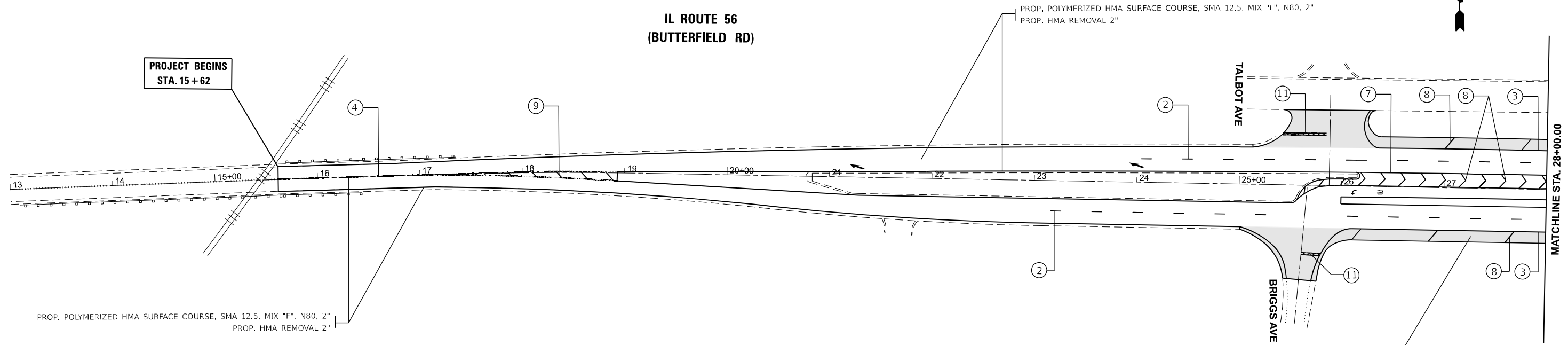
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTION IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD</b>			
SCALE:	SHEET	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE. 0365	SECTION FAP 0365 22 RS	COUNTY DUPAGE	TOTAL SHEETS 41	SHEET NO. 9
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				



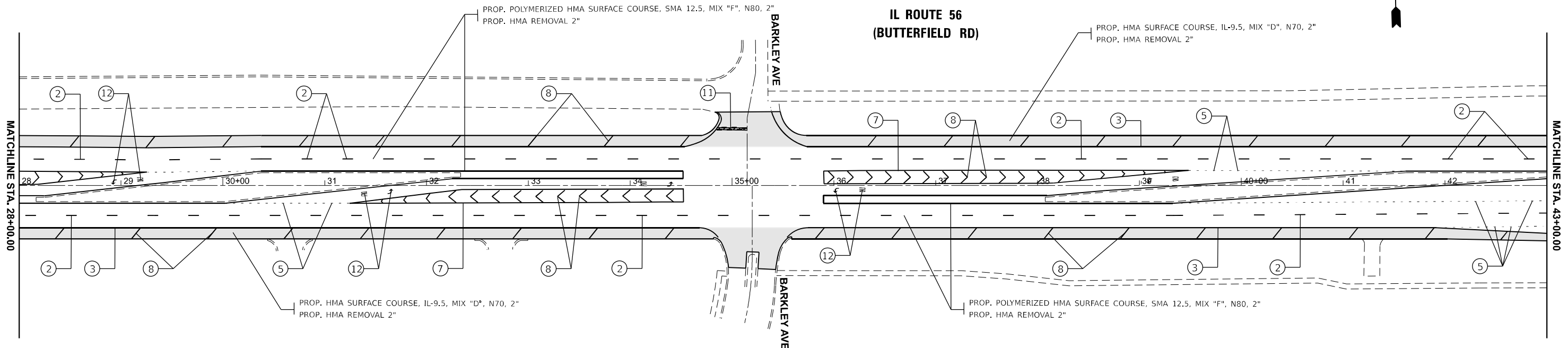
**IL ROUTE 56  
(BUTTERFIELD RD)**



PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11' C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
		⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)



**IL ROUTE 56  
(BUTTERFIELD RD)**



RESURFACING LEGEND	
	PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"

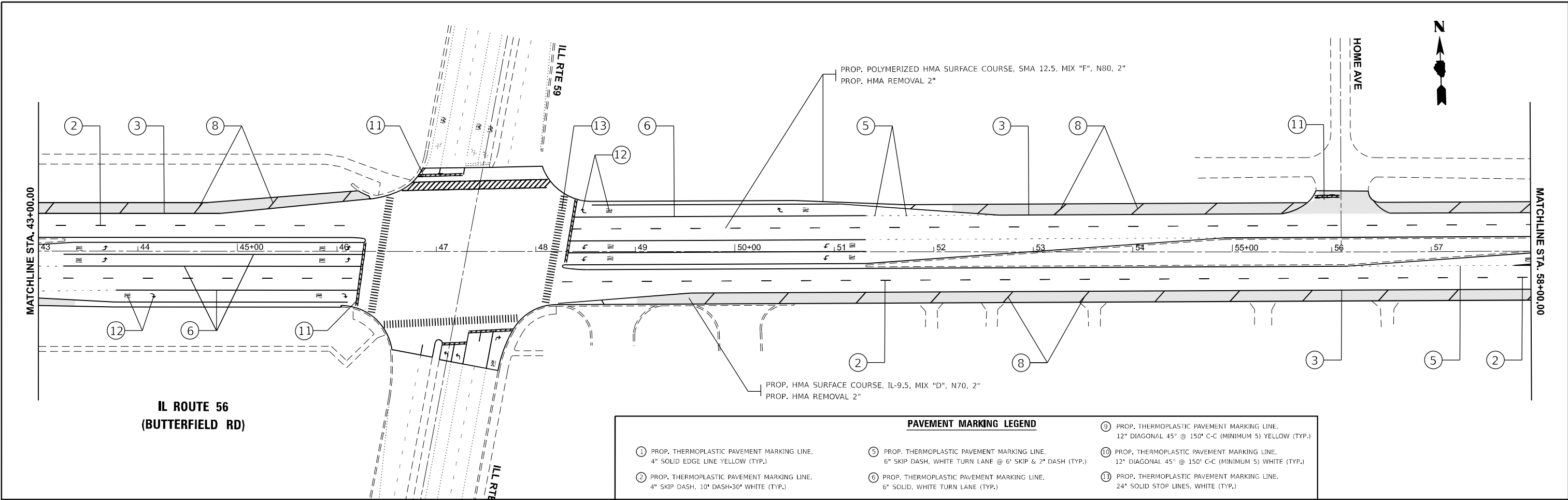
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PLOT DATE = 10/17/2024	DATE -	REVISED -

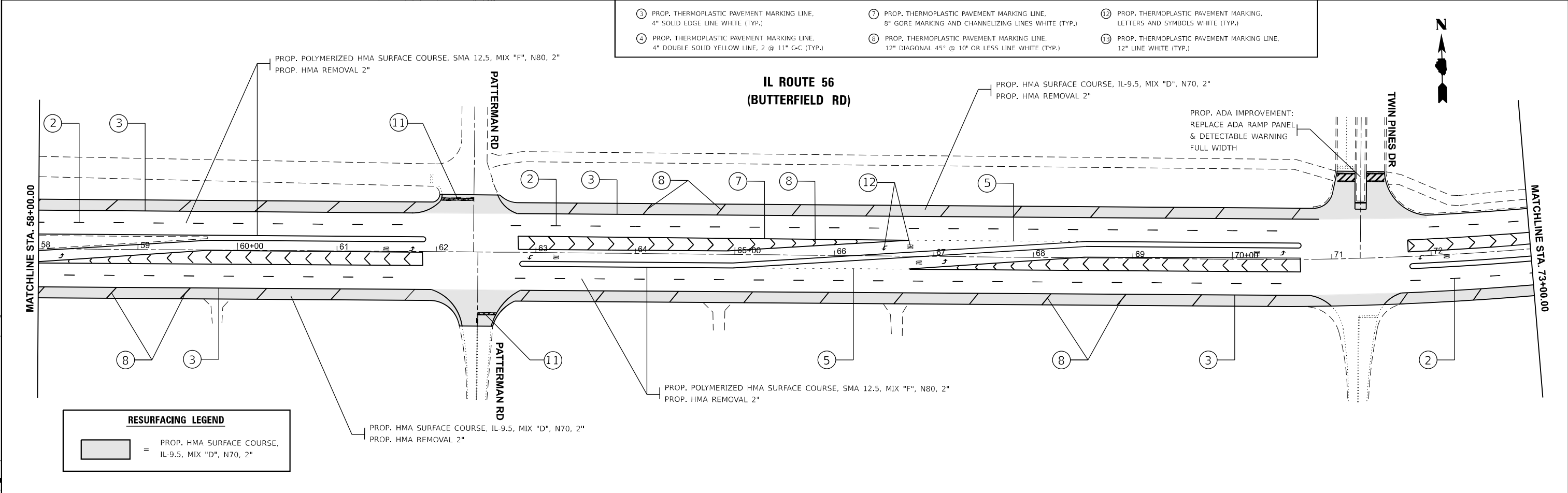
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
<b>IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD</b>			
SCALE: 1"=50'	SHEET OF 12 SHEETS	STA. 13+00.00	TO STA. 43+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	10
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4\"	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6\"	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12\"
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4\"	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6\"	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12\"
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4\"	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8\"	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24\"
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4\"	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12\"	⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12\"



RESURFACING LEGEND	
	PROP. HMA SURFACE COURSE, IL-9.5, MIX 'D', N70, 2\"

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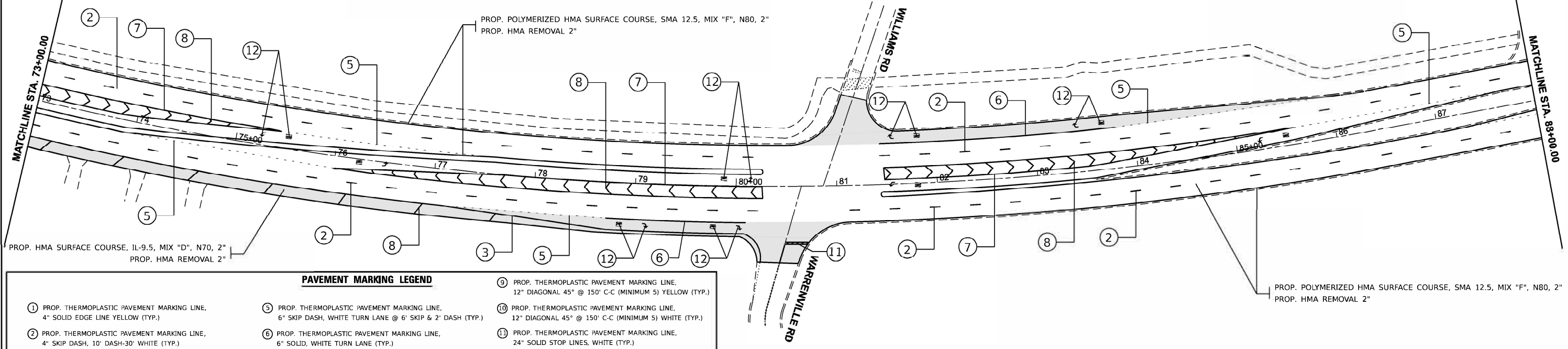
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b> <b>IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD</b>			
SCALE: 1"=50'	SHEET	OF 12 SHEETS	STA. 43+00.00 TO STA. 73+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	11
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

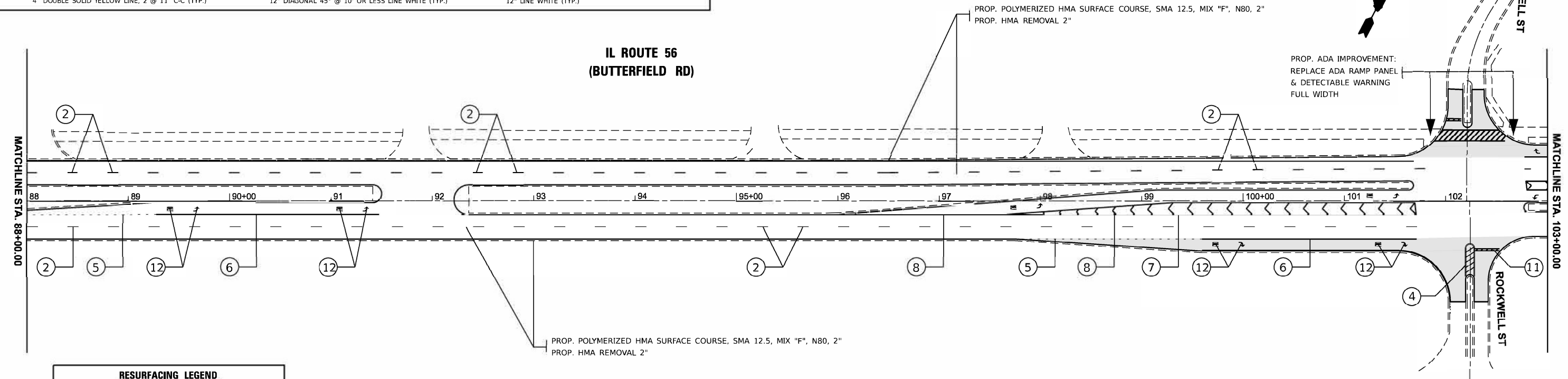
**IL ROUTE 56  
(BUTTERFIELD RD)**



**PAVEMENT MARKING LEGEND**

- |  |   |  |
|--|---|--|
| ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)                | ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.) | ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)         | ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)                         | ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)  |
| ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)                 | ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)      | ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)                    |
| ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)         | ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)                           |
|  |   | ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)                                 |

**IL ROUTE 56  
(BUTTERFIELD RD)**



**RESURFACING LEGEND**

- |  |  |
|--|--|
|  | PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2" |
|--|--|

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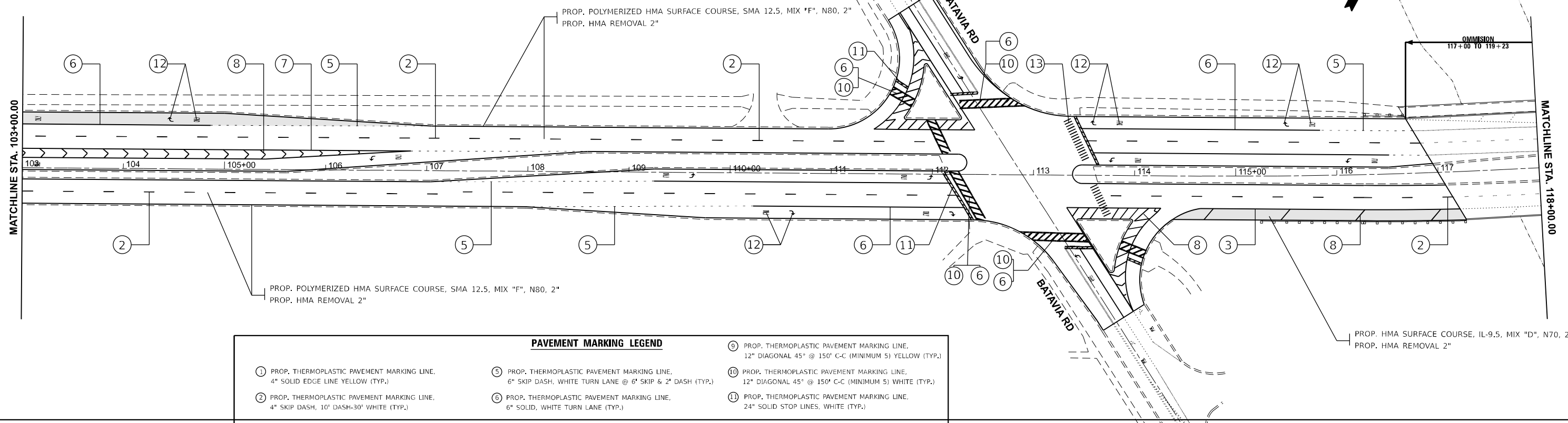
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

SCALE: 1"=50' SHEET OF 12 SHEETS STA. 73+00.00 TO STA. 103+00.00

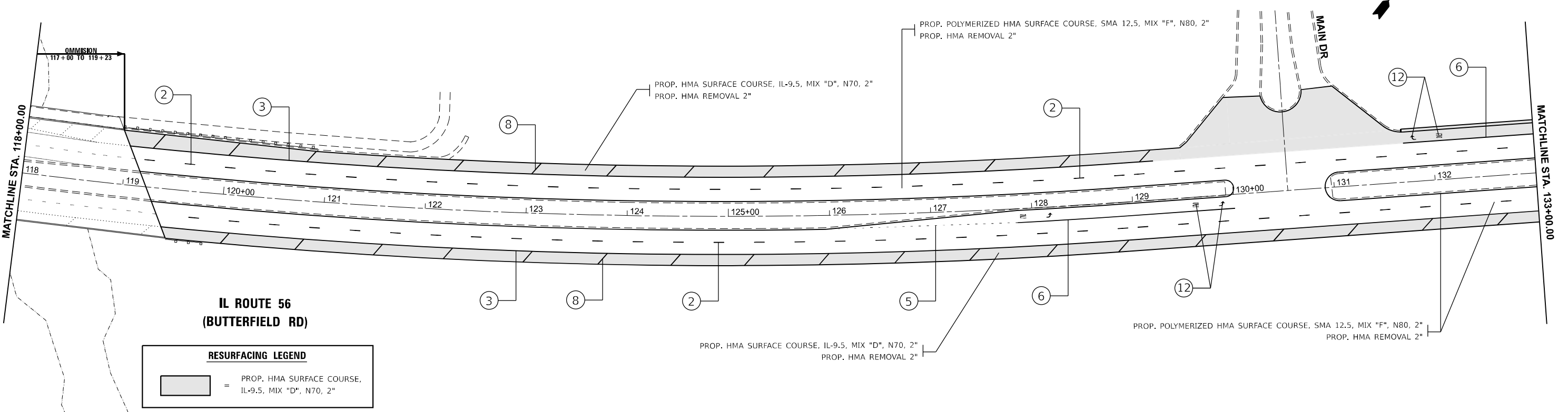
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365	FAP 0365 22 RS	DUPAGE	41	12
CONTRACT NO. 62721				
ILLINOIS FED. AID PROJECT				

**IL ROUTE 56  
(BUTTERFIELD RD)**



**PAVEMENT MARKING LEGEND**

① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
		⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)



**RESURFACING LEGEND**

	= PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
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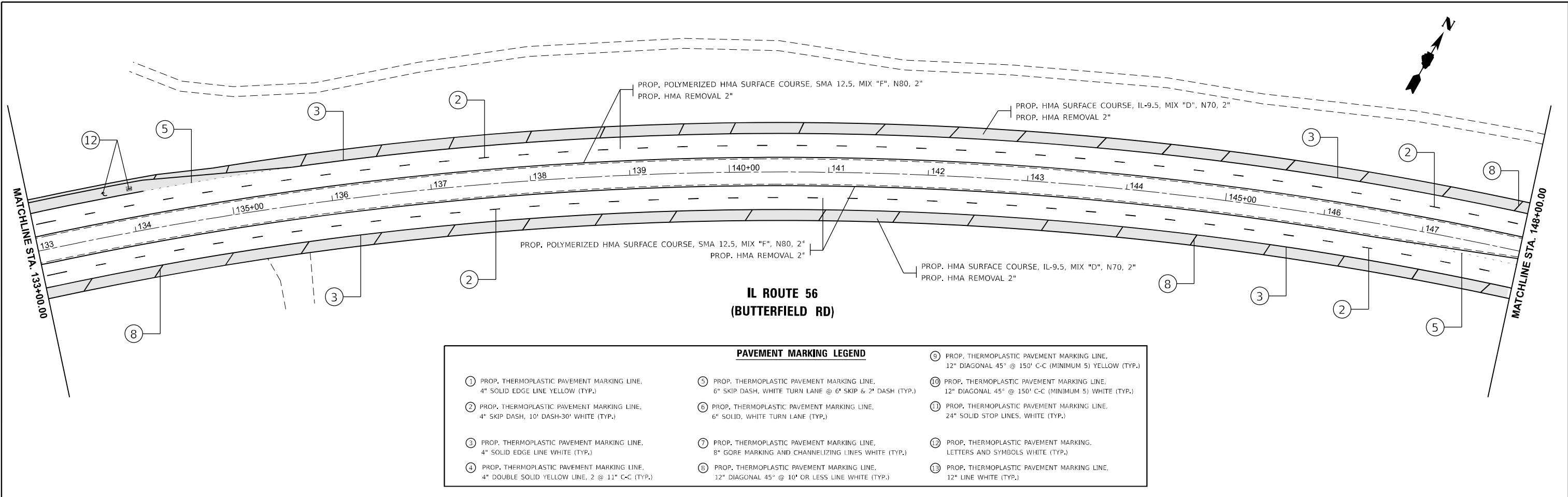
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PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

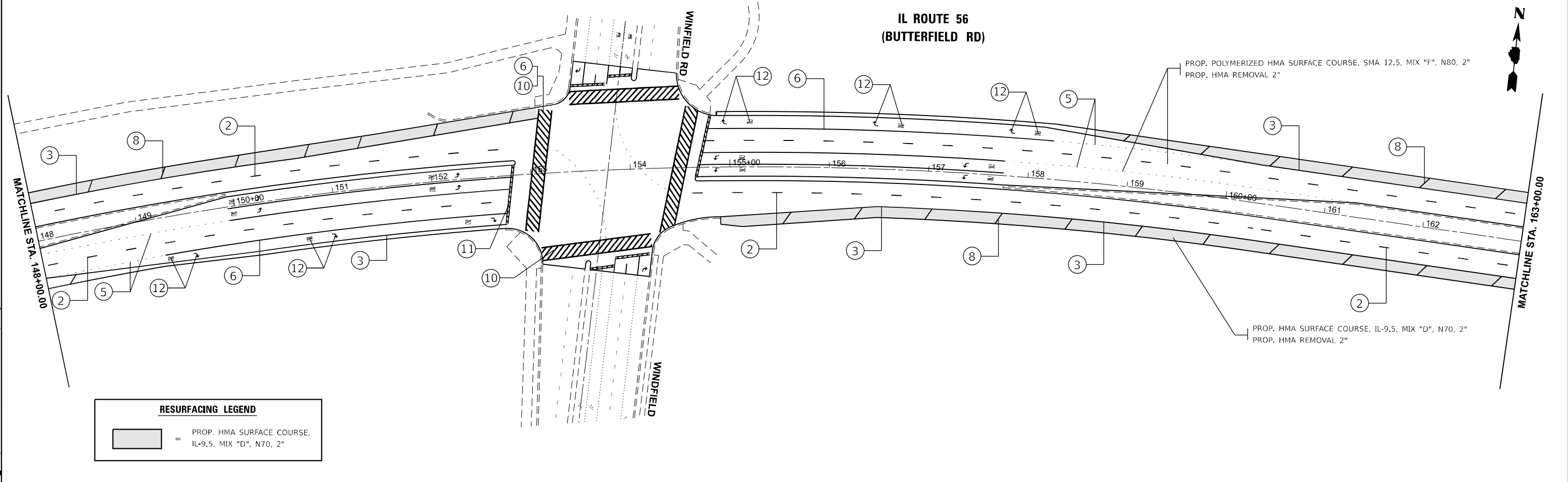
**ROADWAY PLAN  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

SCALE: 1"=50'      SHEET      OF 12 SHEETS      STA. 103+00.00      TO STA. 133+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	13
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
		⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)



RESURFACING LEGEND	
	PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"

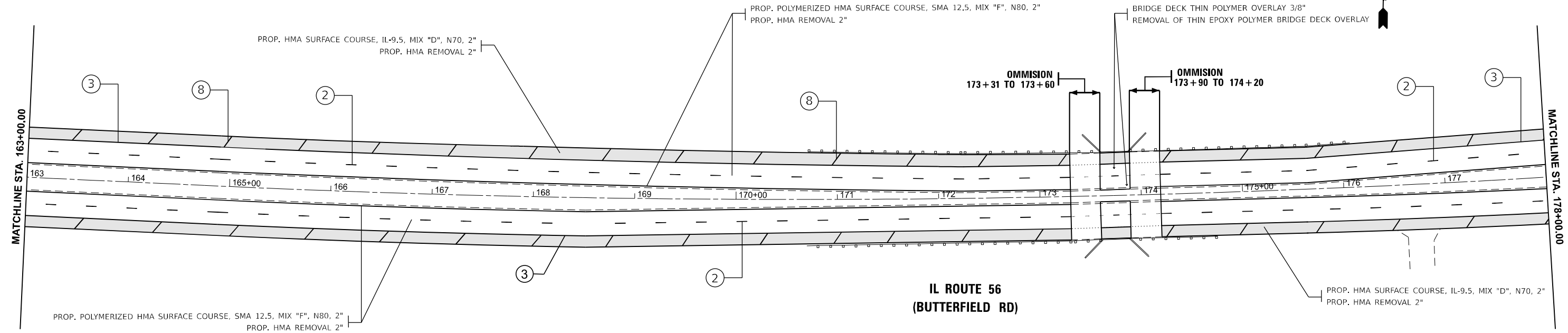
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	DRAWN -	REVISED -
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PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

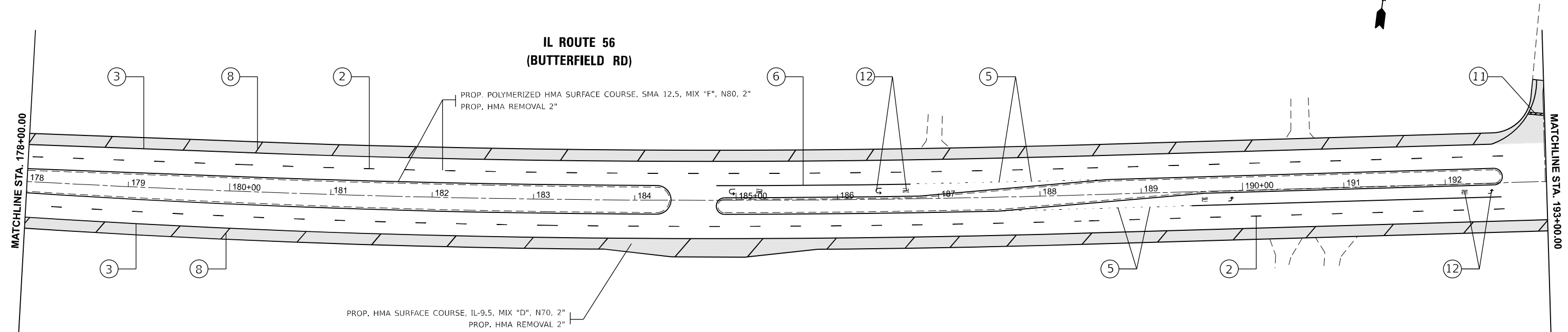
ROADWAY PLAN			
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD			
SCALE: 1"=50'	SHEET	OF 12 SHEETS	STA. 133+00.00 TO STA. 163+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	14
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				



**IL ROUTE 56  
(BUTTERFIELD RD)**

PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30" WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
		⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)



**IL ROUTE 56  
(BUTTERFIELD RD)**

RESURFACING LEGEND	
	= PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"

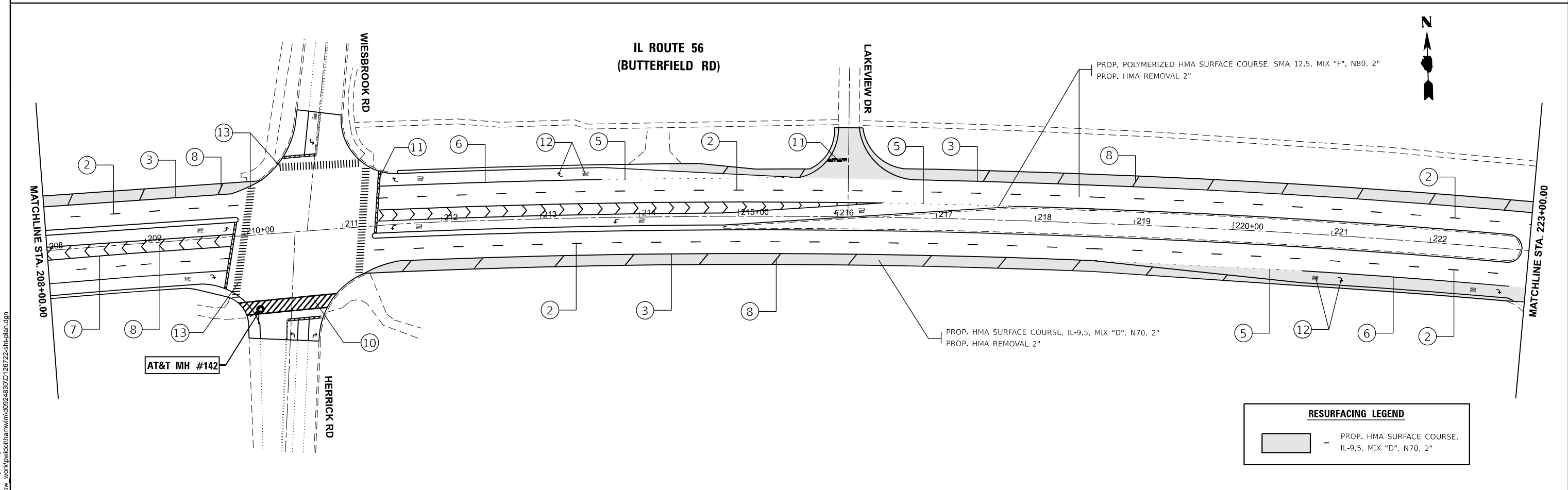
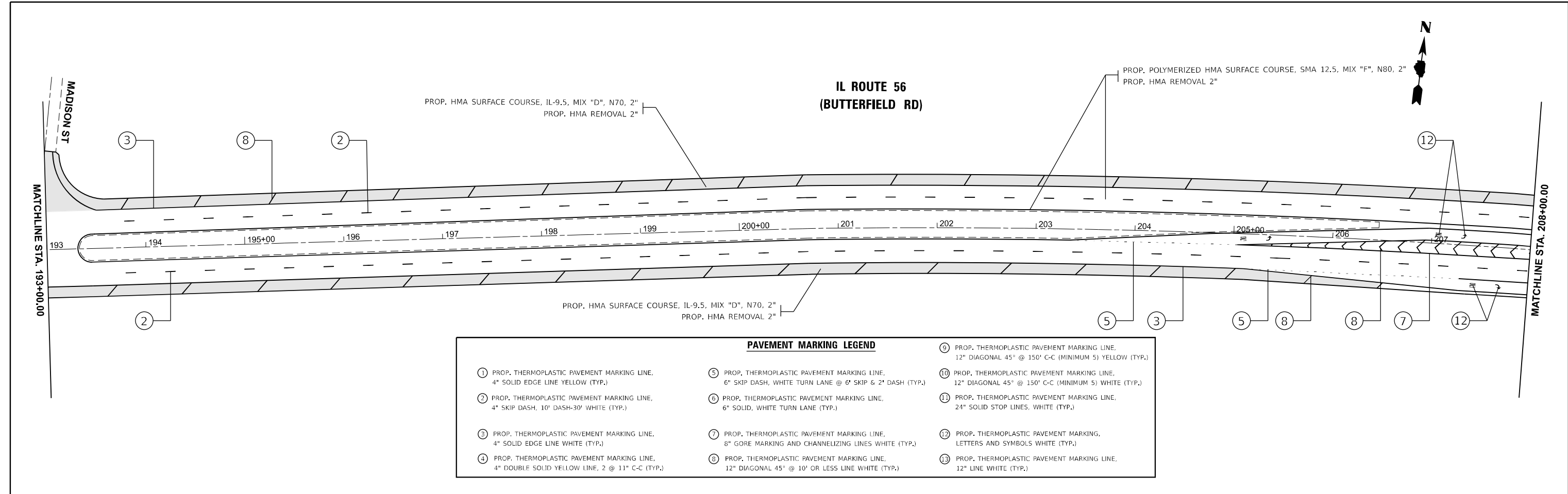
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>			
<b>IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD</b>			
SCALE: 1"=50'	SHEET OF 12 SHEETS	STA. 163+00.00 TO STA. 193+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	15
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				



MODEL: IL 56 - IL 68 (Sheet)  
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -	
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PLOT DATE = 10/17/2024	DATE -	REVISED -	

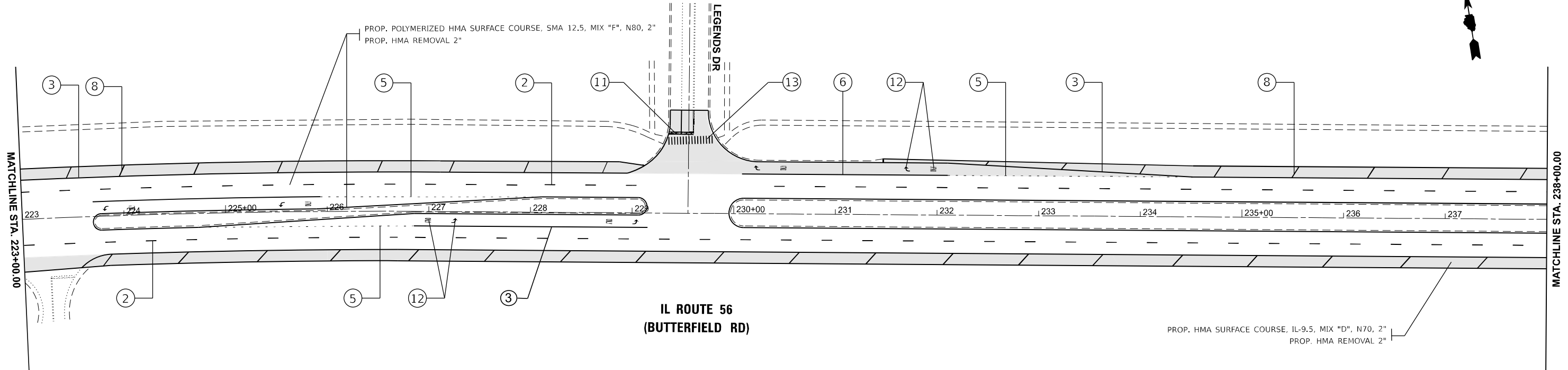
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

SCALE: 1"=50'    SHEET OF 12 SHEETS    STA. 193+00.00 TO STA. 223+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	16
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

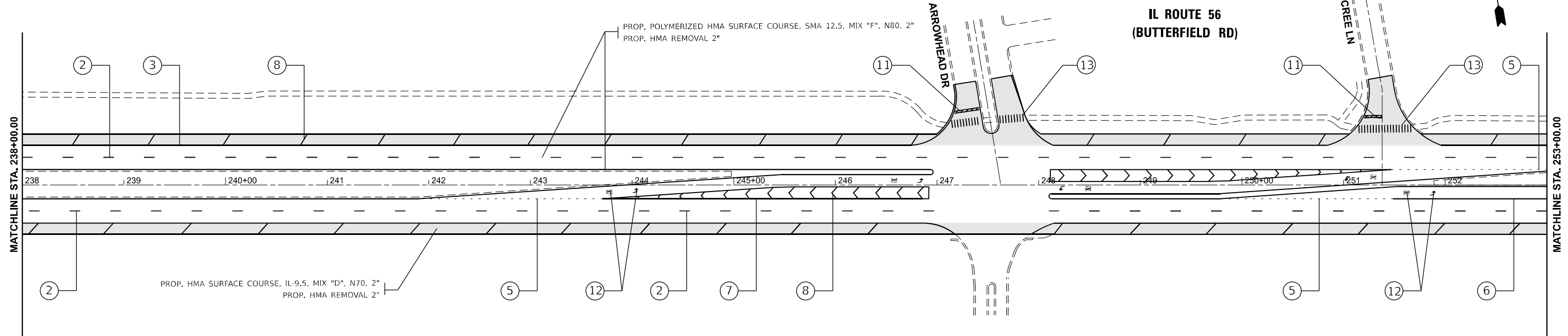




**IL ROUTE 56  
(BUTTERFIELD RD)**

PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"  
PROP. HMA REMOVAL 2"

PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
		⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)



**IL ROUTE 56  
(BUTTERFIELD RD)**

PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"  
PROP. HMA REMOVAL 2"

RESURFACING LEGEND	
	PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"

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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

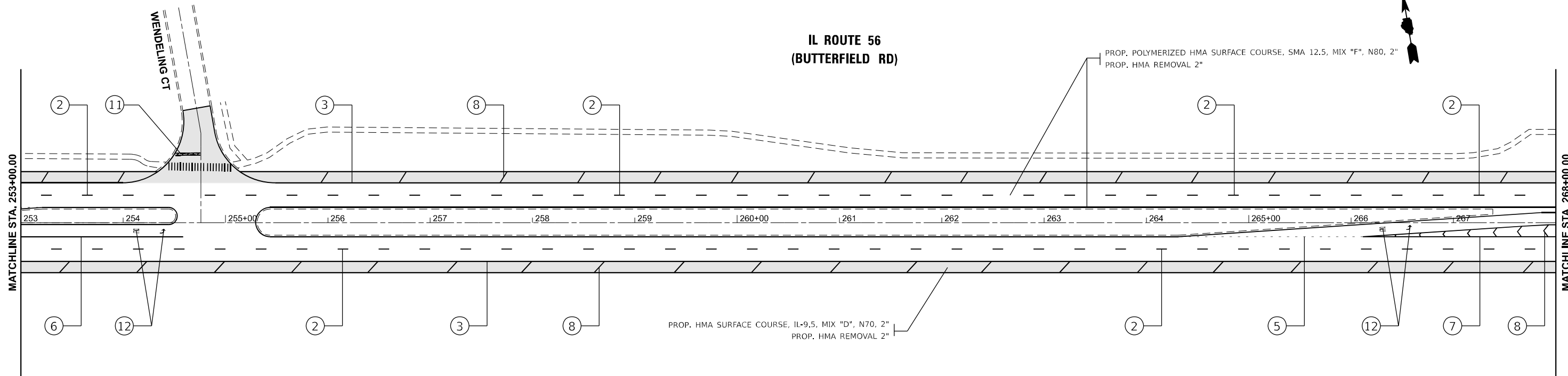
**ROADWAY PLAN  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

SCALE: 1"=50' SHEET OF 12 SHEETS STA. 223+00.00 TO STA. 253+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	17
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

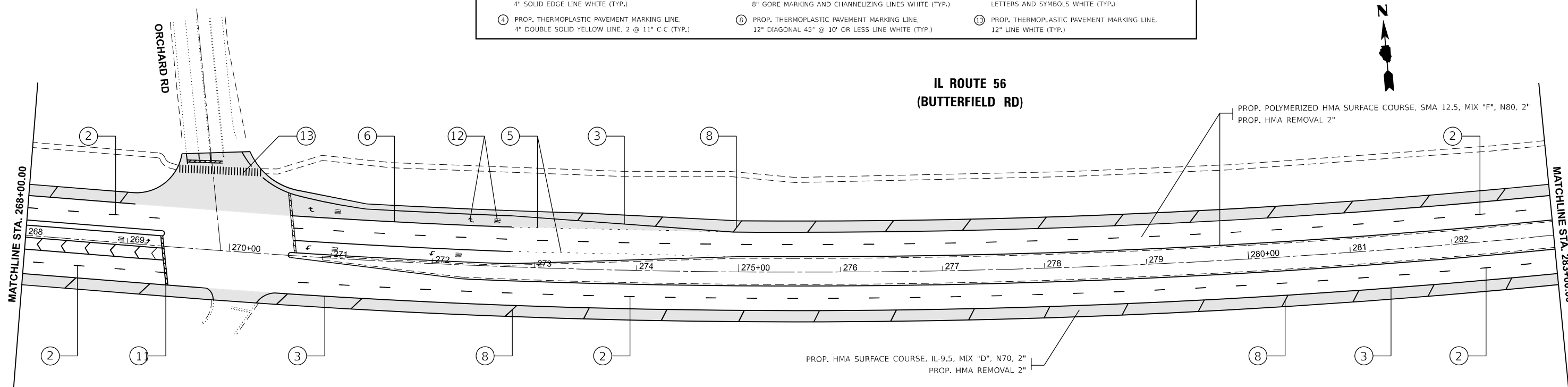
REV-SEP

**IL ROUTE 56  
(BUTTERFIELD RD)**



PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
		⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)

**IL ROUTE 56  
(BUTTERFIELD RD)**



RESURFACING LEGEND	
	= PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"

MODEL: IL 56 - IL 72 (Sheet)  
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/17/2024	DATE -	REVISED -

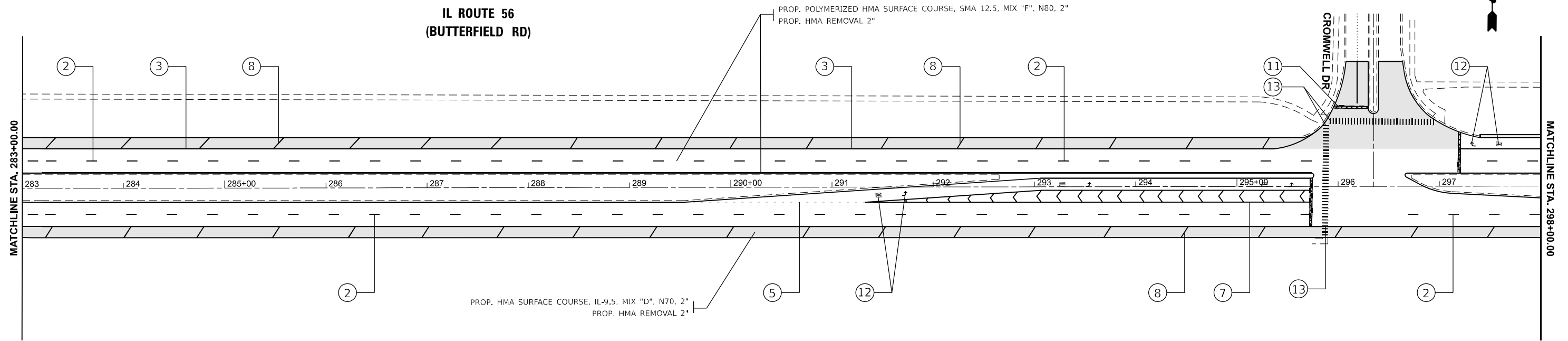
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

SCALE: 1"=50' SHEET OF 12 SHEETS STA. 253+00.00 TO STA. 283+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	18
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

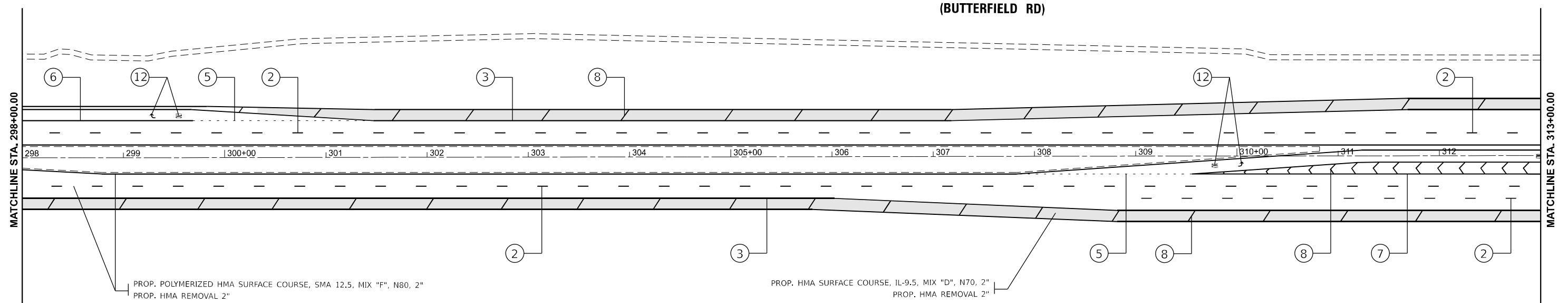
**IL ROUTE 56  
(BUTTERFIELD RD)**




**PAVEMENT MARKING LEGEND**

- |   |  |   |
|---|--|---|
| ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SOLID EDGE LINE YELLOW (TYP.)                | ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.) | ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SKIP DASH, 10' DASH-30' WHITE (TYP.)         | ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>6" SOLID, WHITE TURN LANE (TYP.)                         | ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)  |
| ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SOLID EDGE LINE WHITE (TYP.)                 | ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)      | ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>24" SOLID STOP LINES, WHITE (TYP.)                    |
| ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)         | ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING,<br>LETTERS AND SYMBOLS WHITE (TYP.)                           |
|   |  | ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" LINE WHITE (TYP.)                                 |

**IL ROUTE 56  
(BUTTERFIELD RD)**



**RESURFACING LEGEND**

-  = PROP. HMA SURFACE COURSE,  
IL-9.5, MIX "D", N70, 2"

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

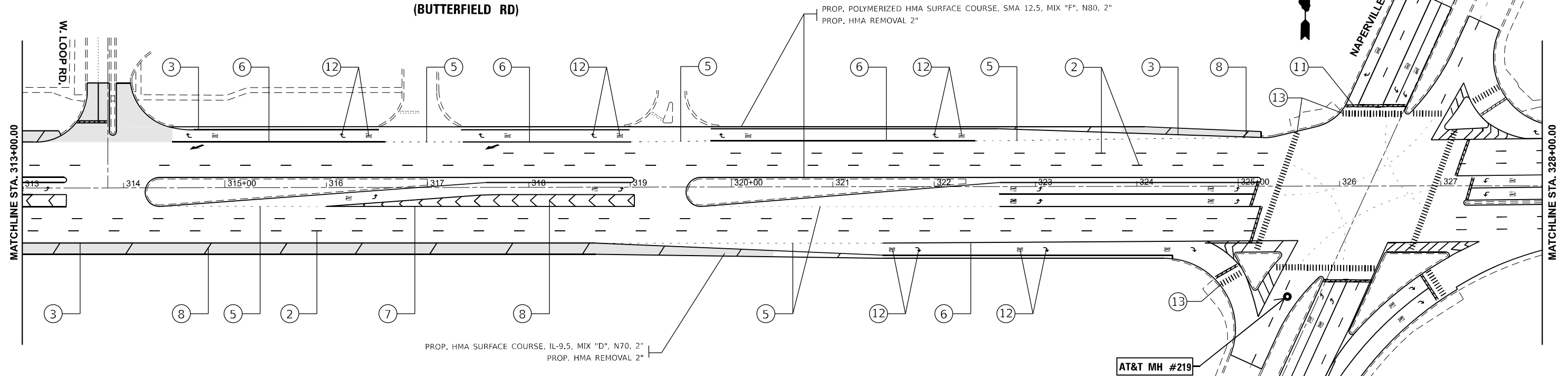
SCALE: 1"=50' SHEET OF 12 SHEETS STA. 283+00.00 TO STA. 313+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	19
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

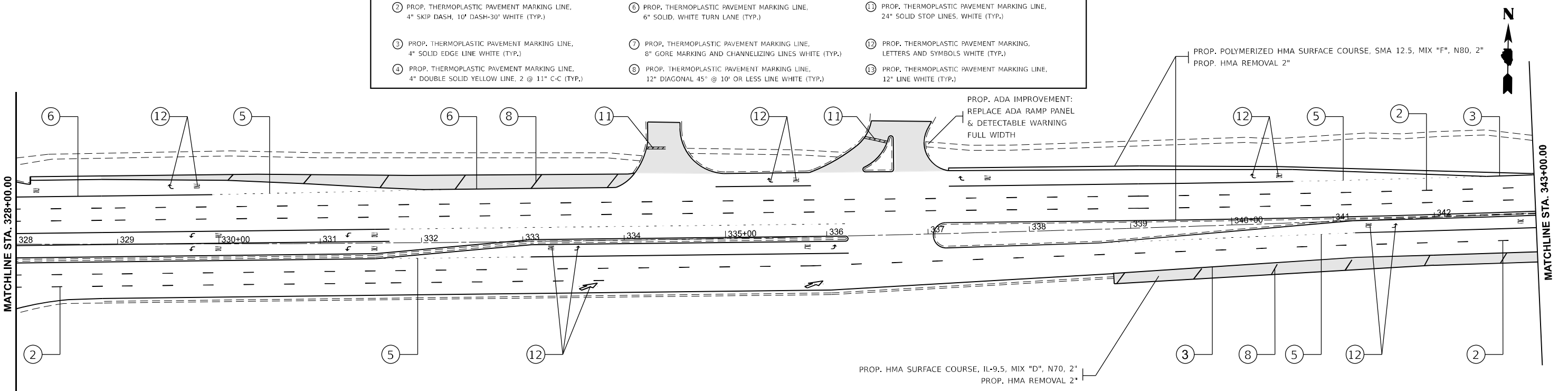
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/17/2024	DATE -	REVISED -

**IL ROUTE 56  
(BUTTERFIELD RD)**



PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6" SKIP & 2" DASH (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10" DASH-30" WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
		⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)



RESURFACING LEGEND	
	PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"

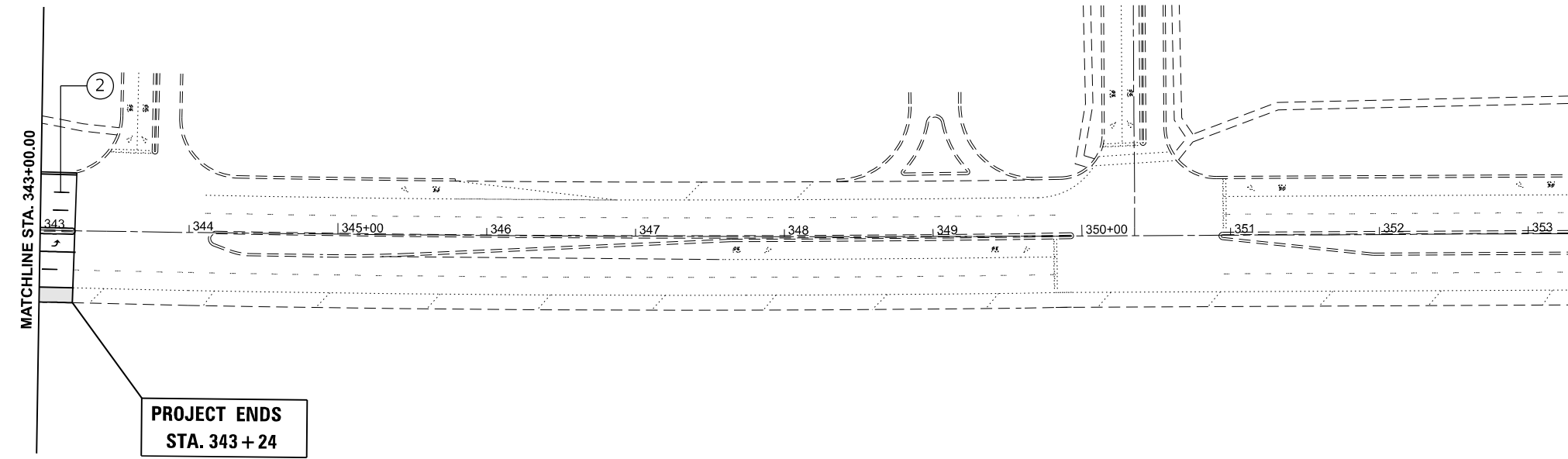
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD			
SCALE: 1"=50'	SHEET OF 12 SHEETS	STA. 313+00.00 TO STA. 343+00.00	


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	20
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- |   |  |   |
|---|--|---|
| ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SOLID EDGE LINE YELLOW (TYP.)                | ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.) | ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SKIP DASH, 10' DASH-30' WHITE (TYP.)         | ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>6" SOLID, WHITE TURN LANE (TYP.)                         | ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)  |
| ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SOLID EDGE LINE WHITE (TYP.)                 | ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)      | ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>24" SOLID STOP LINES, WHITE (TYP.)                    |
| ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)         | ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING,<br>LETTERS AND SYMBOLS WHITE (TYP.)                           |
|   |  | ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" LINE WHITE (TYP.)                                 |

**RESURFACING LEGEND**

 = PROP. HMA SURFACE COURSE,  
IL-9.5, MIX "D", N70, 2"

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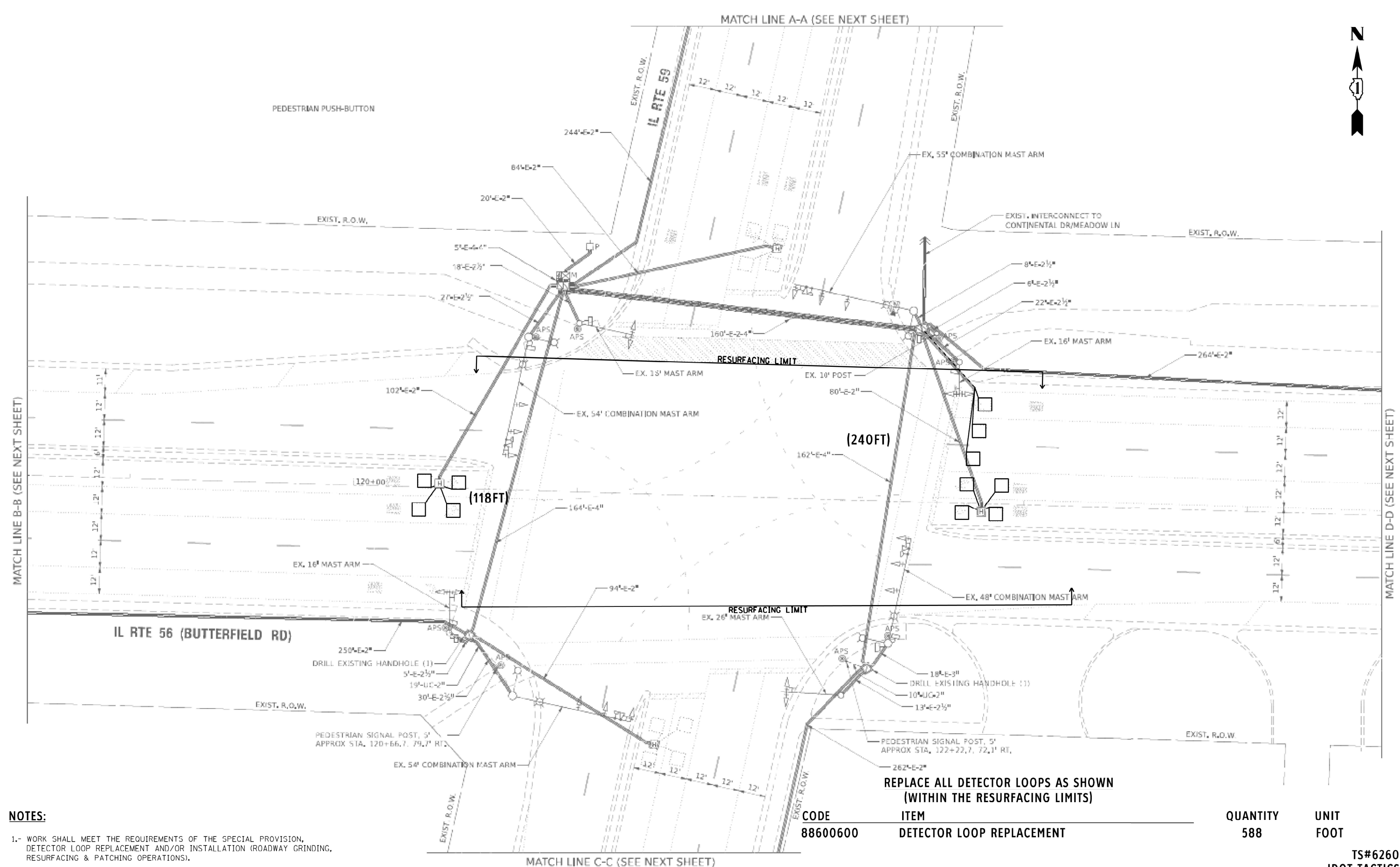
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	CHECKED -	REVISED -
PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL 56 FROM 0.4 MI W OF IL 59 TO EAST OF NAPERVILLE RD**

SCALE: 1"=50' SHEET 21 OF 12 SHEETS STA. 343+00.00 TO STA. 358+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	21
			CONTRACT NO. 62T21	
		ILLINOIS FED. AID PROJECT		



**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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	588	FOOT

MODEL: DetailSheet (Sheet)  
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PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 9/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

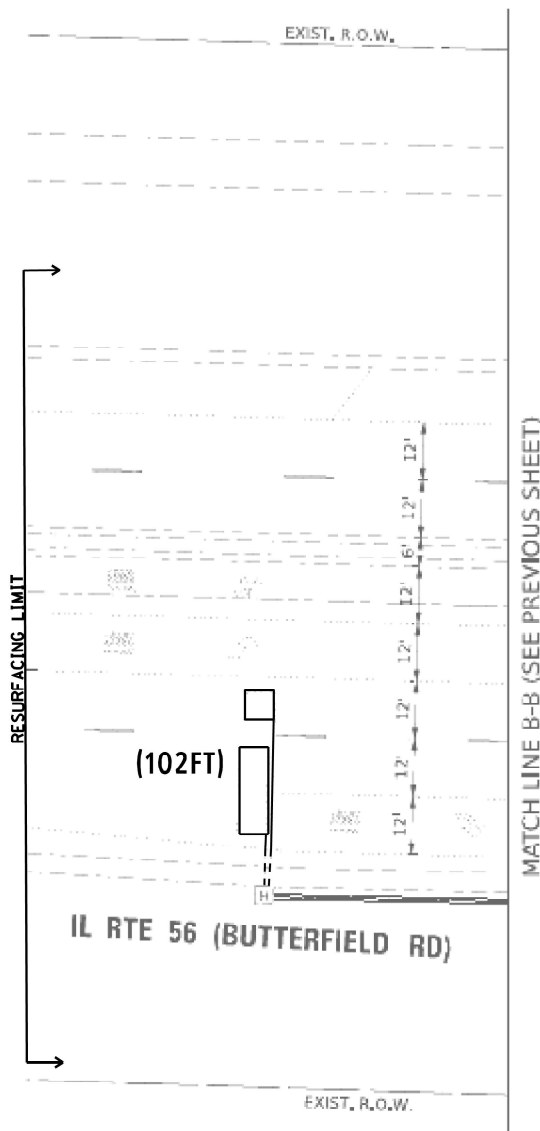
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN (SHEET 1 OF 2)  
ILL RTE. 56 AT ILL RTE. 59**

SCALE: SHEET OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	22
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

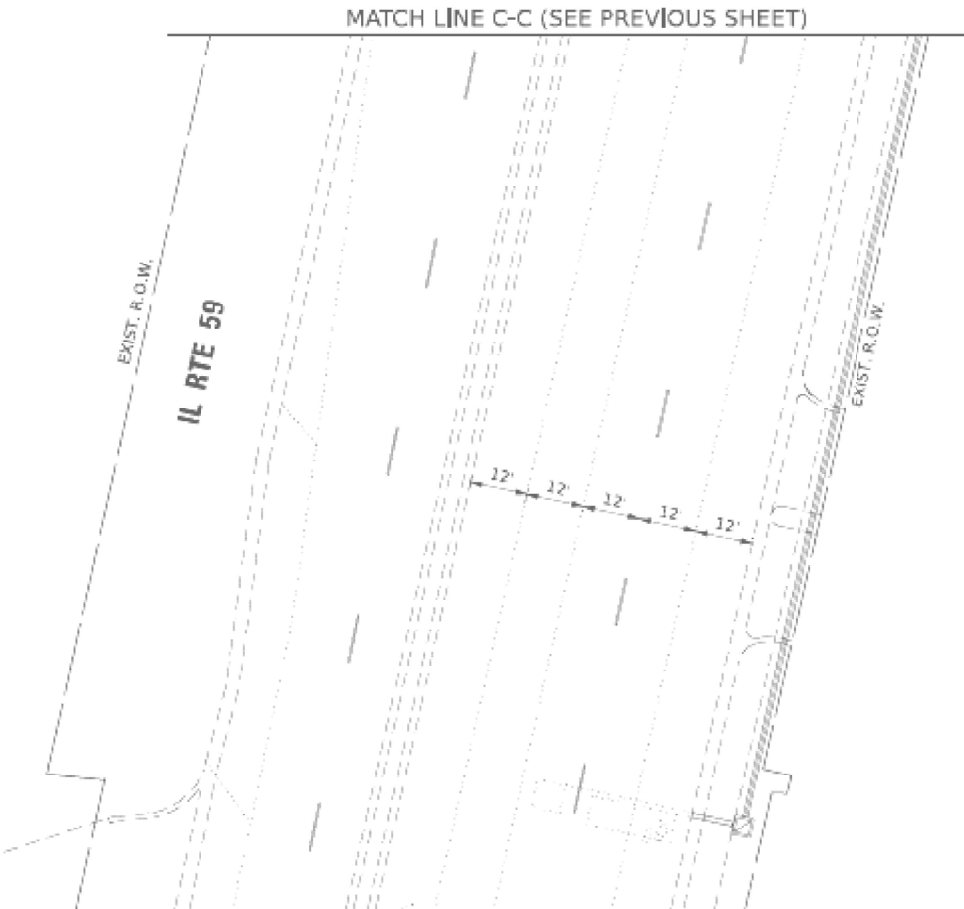
**TS#6260  
IDOT TACTICS  
FORMER EAGLE 5A**



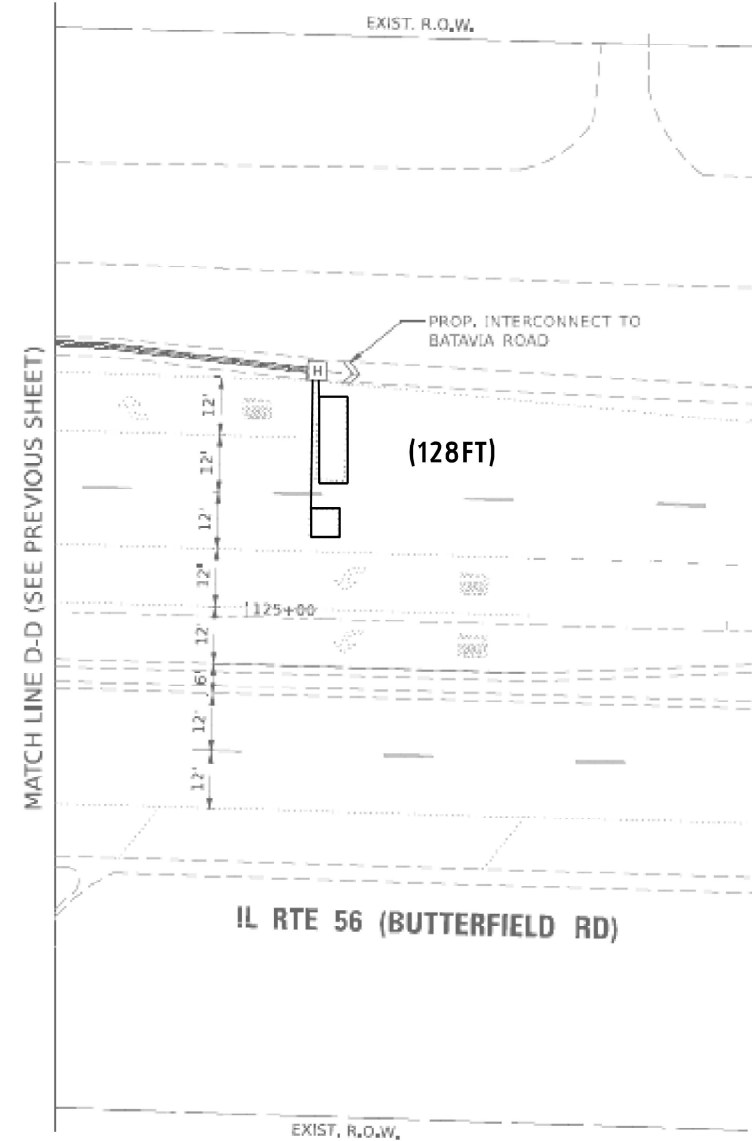
MATCH LINE B-B (SEE PREVIOUS SHEET)



MATCH LINE A-A (SEE PREVIOUS SHEET)



MATCH LINE C-C (SEE PREVIOUS SHEET)



MATCH LINE D-D (SEE PREVIOUS SHEET)

- 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.

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PLOT DATE = 9/7/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN (SHEET 2 OF 2)  
ILL RTE. 56 AT ILL RTE. 59**

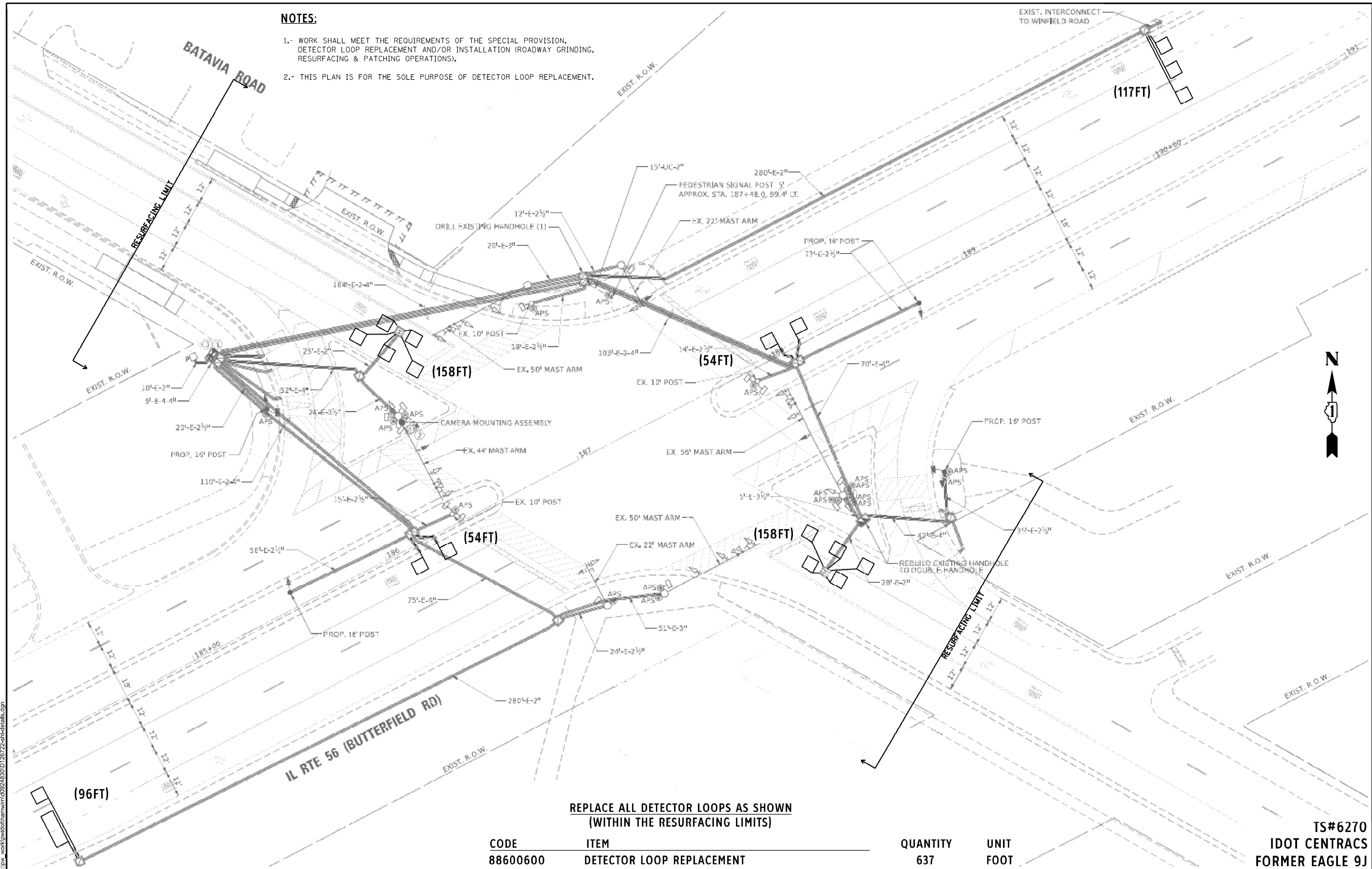
SCALE: SHEET OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	23
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

**TS#6260  
IDOT TACTICS  
FORMER EAGLE 5A**

**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.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	637	FOOT

**TS#6270  
IDOT CENTRACS  
FORMER EAGLE 9J**

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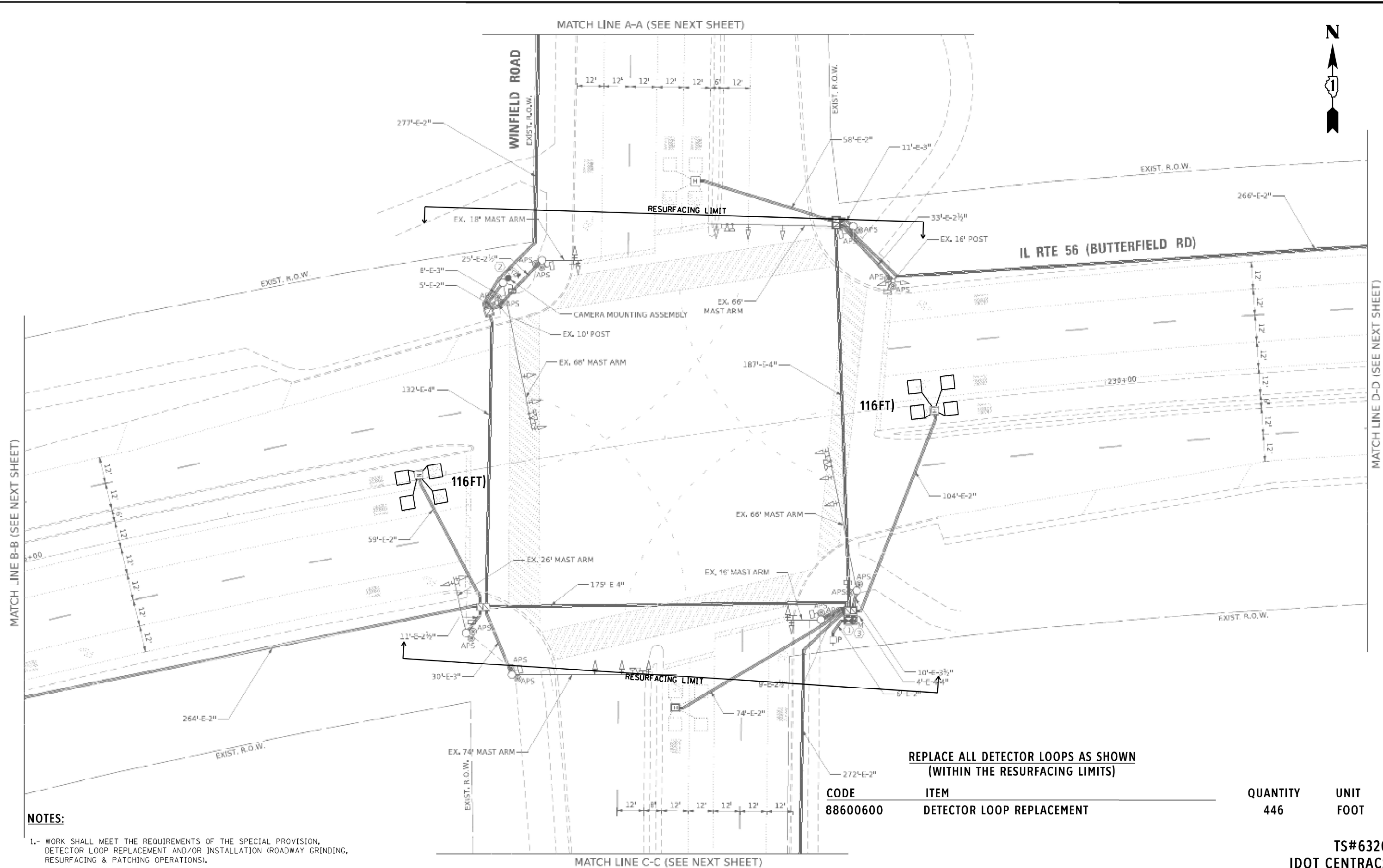
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PLOT DATE = 9/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

<b>DETECTOR LOOP REPLACEMENT PLAN</b>	
<b>ILL RTE. 56 AT BATAVIA RD.</b>	
SCALE:	SHEET OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	24
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				





MATCH LINE B-B (SEE NEXT SHEET)

MATCH LINE D-D (SEE NEXT SHEET)

MATCH LINE A-A (SEE NEXT SHEET)

MATCH LINE C-C (SEE NEXT SHEET)

**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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	446	FOOT

**TS#6320  
IDOT CENTRACS  
FORMER EAGLE 9J**

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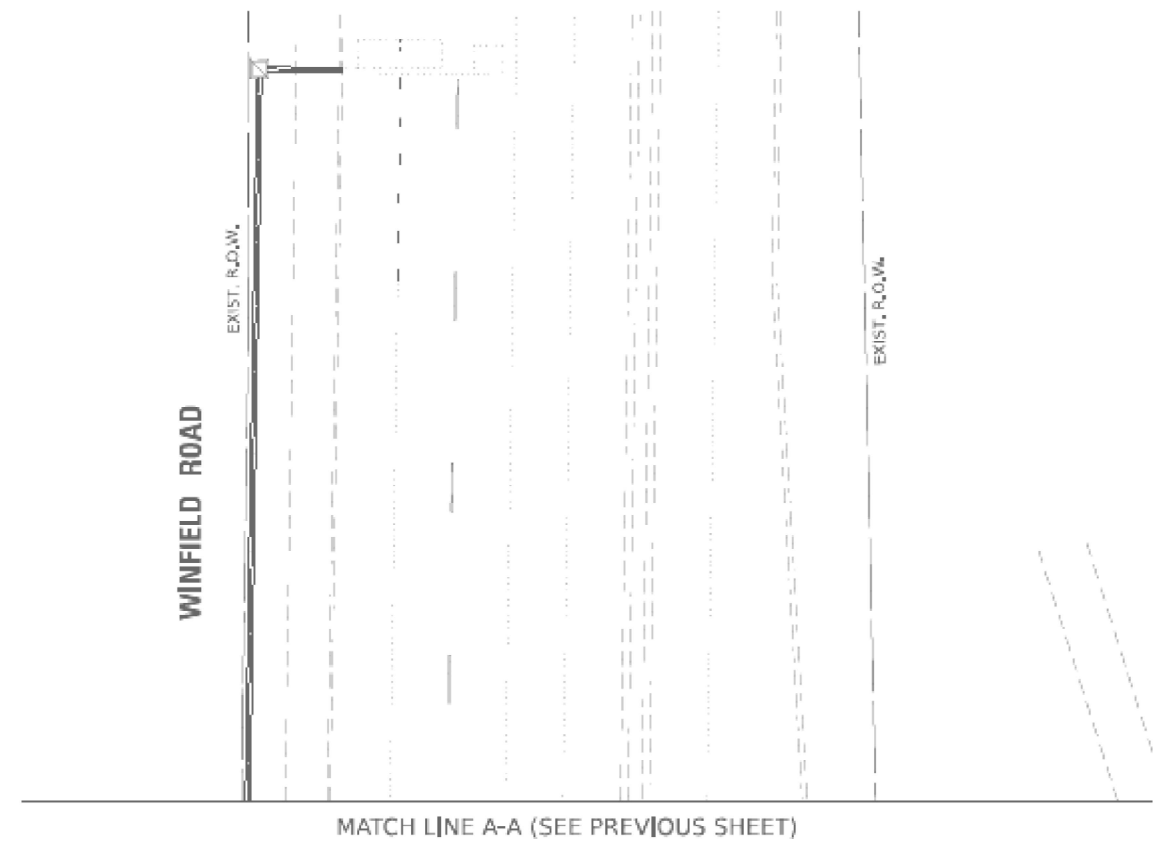
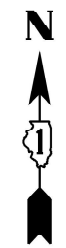
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

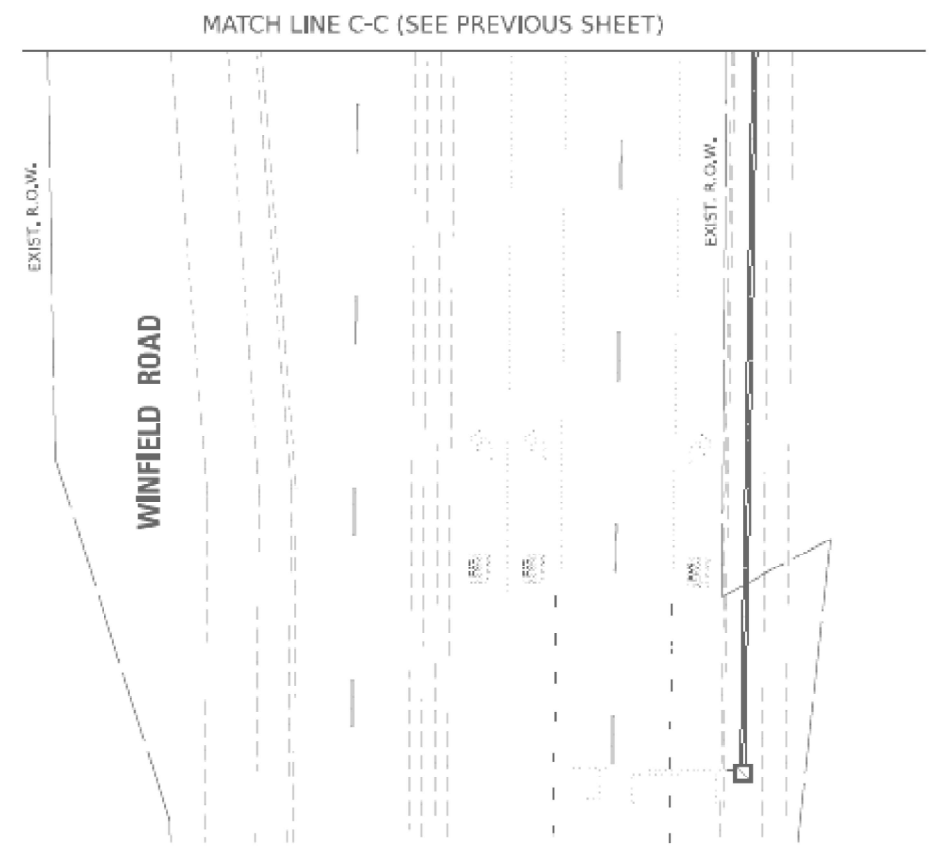
**DETECTOR LOOP REPLACEMENT PLAN (SHEET 1 OF 2)  
ILL RTE. 56 AT WINFIELD RD.**

SCALE: SHEET OF 10 SHEETS STA. TO STA.

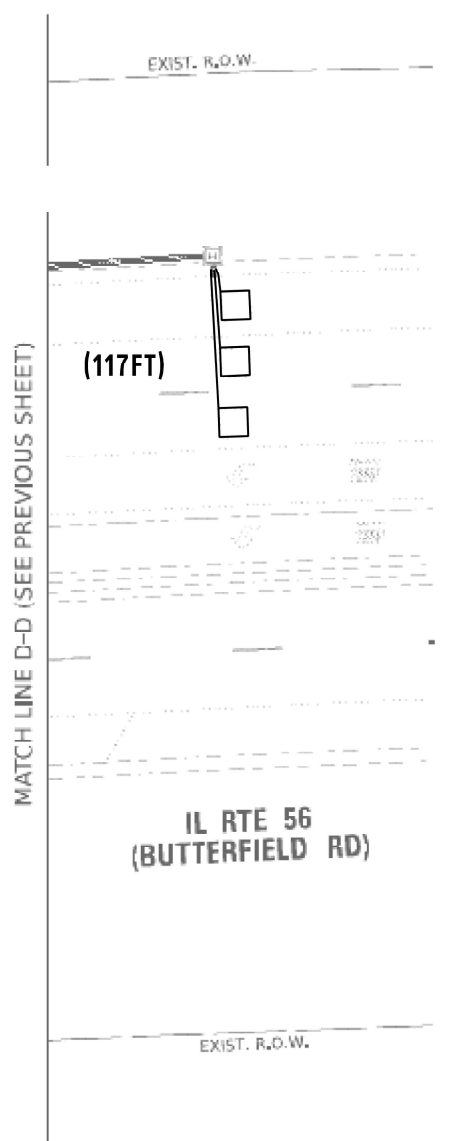
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CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				



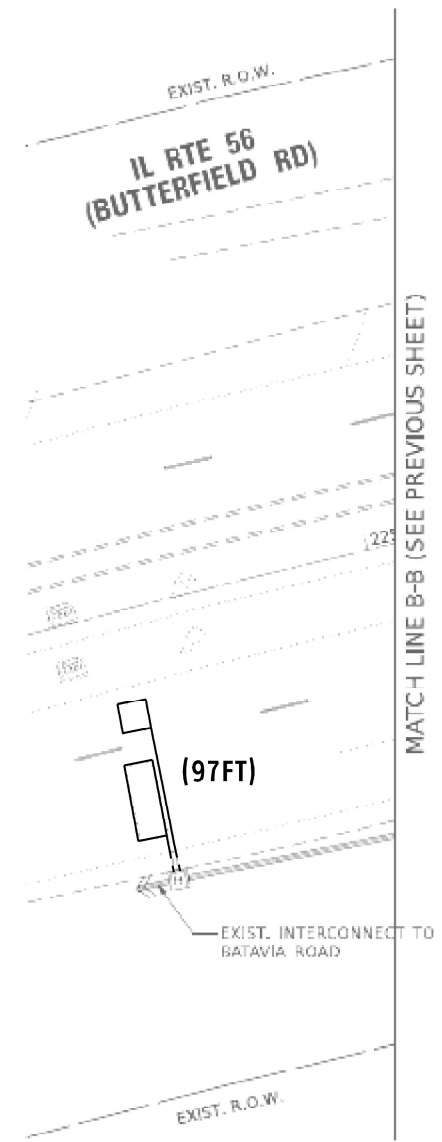
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MATCH LINE C-C (SEE PREVIOUS SHEET)



MATCH LINE D-D (SEE PREVIOUS SHEET)



MATCH LINE B-B (SEE PREVIOUS SHEET)

**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.

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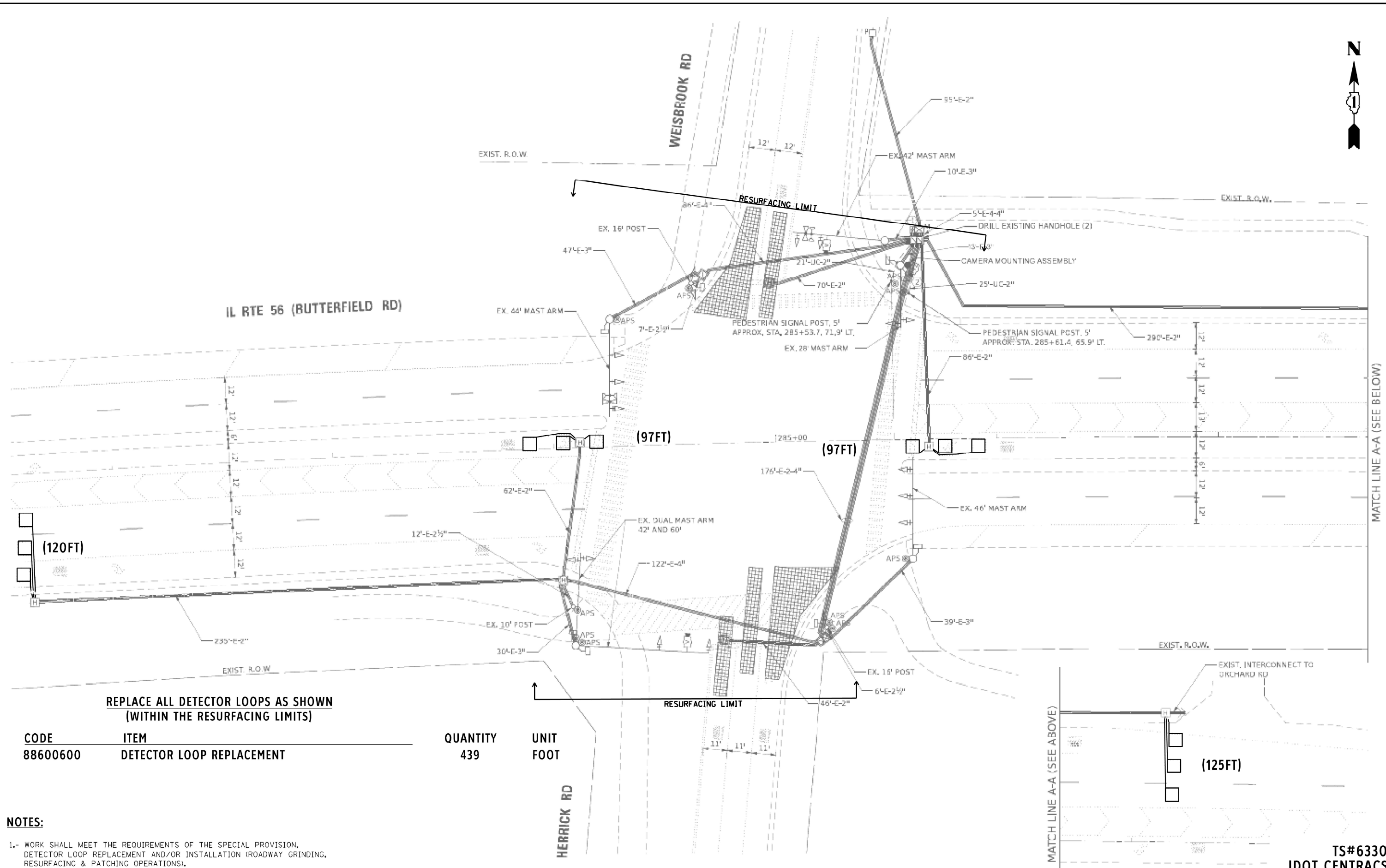
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN (SHEET 2 OF 2)  
ILL RTE. 56 AT WINFIELD RD.**

SCALE: SHEET OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	26
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

**TS#6320  
IDOT CENTRACS  
FORMER EAGLE 9J**



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	439	FOOT

**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.

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	DATE -	REVISED -

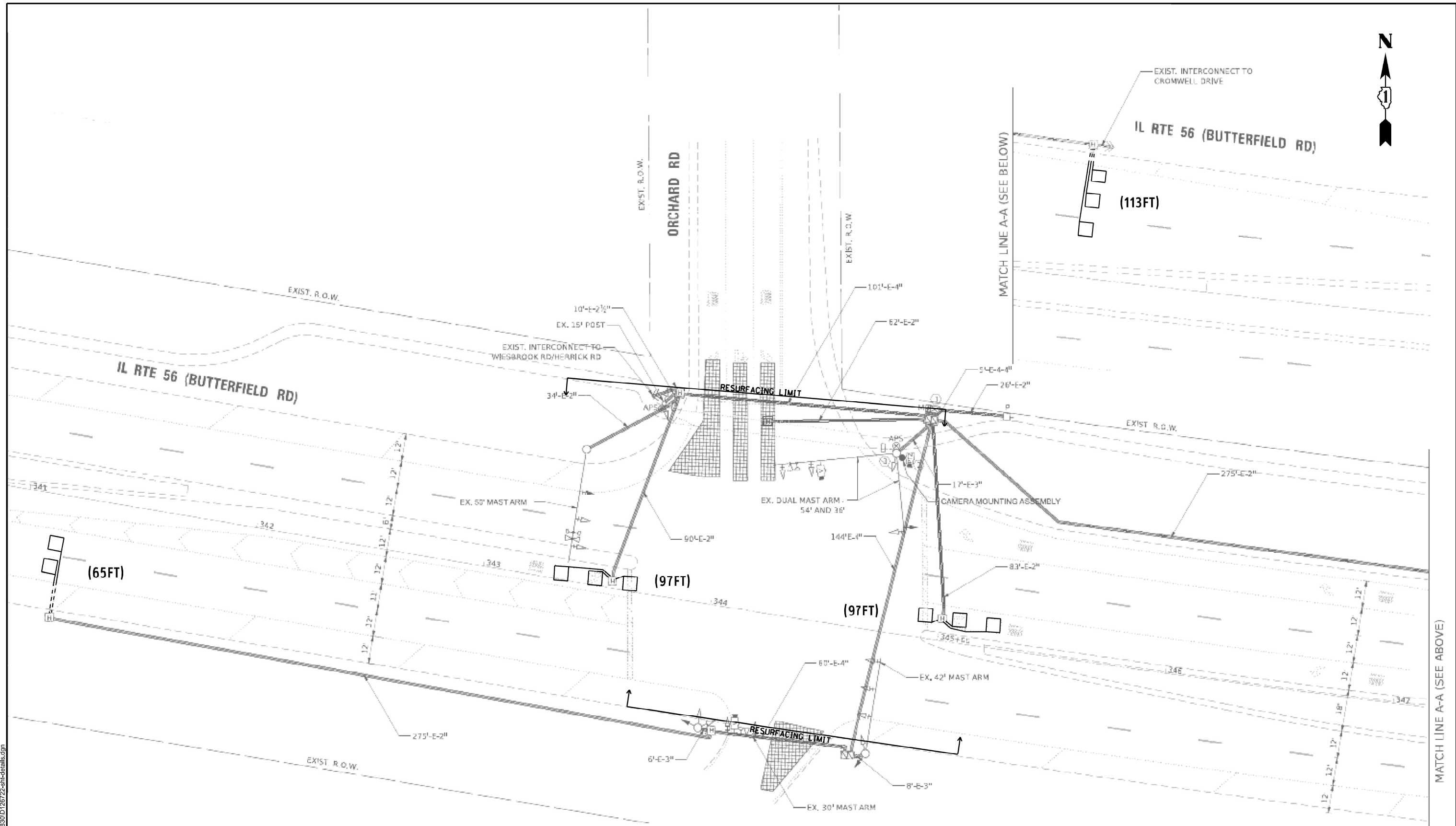
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
ILL. RTE. 56 AT WESTBROOK / HERRICK RD.**

SCALE: SHEET OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	27
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

**TS#6330  
IDOT CENTRACS  
FORMER ECON 46**



**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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	372	FOOT

**TS#6335  
IDOT CENTRACS  
FORMER ECON 46**

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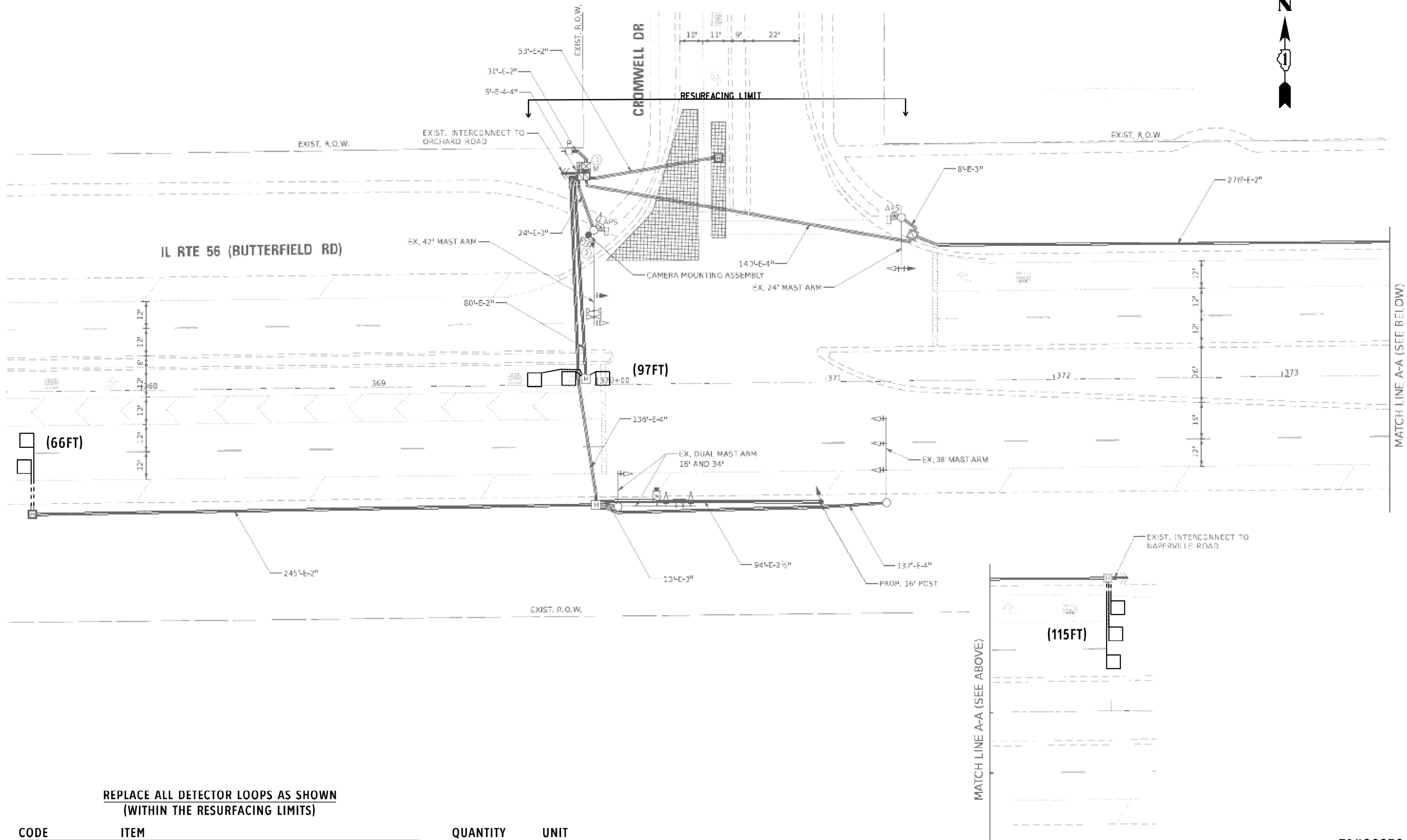
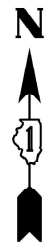
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
ILL RTE. 56 AT ORCHARD RD.**

SCALE: SHEET OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	28
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	278	FOOT

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

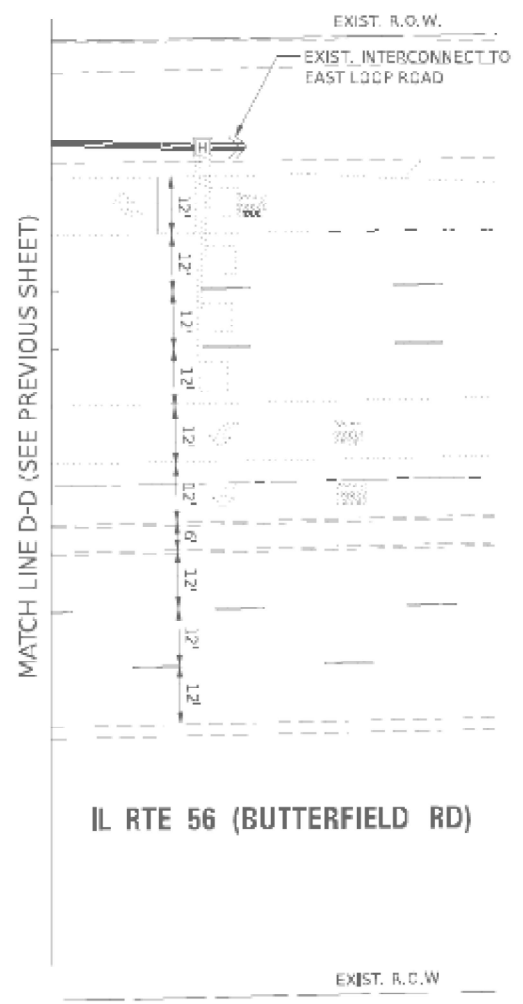
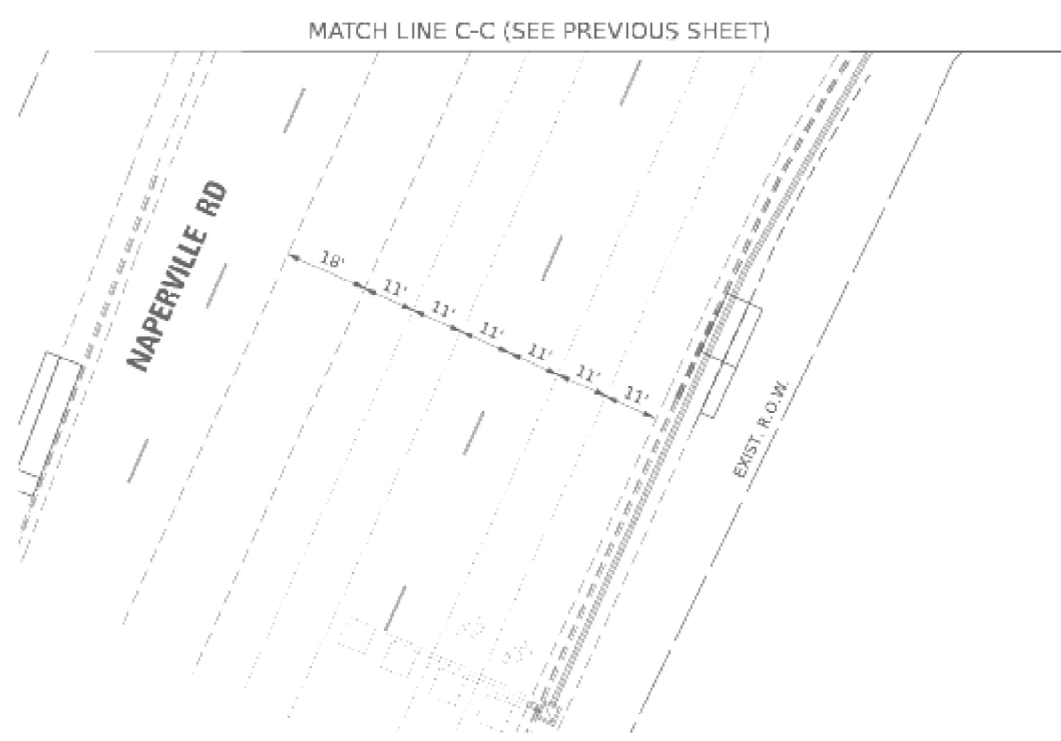
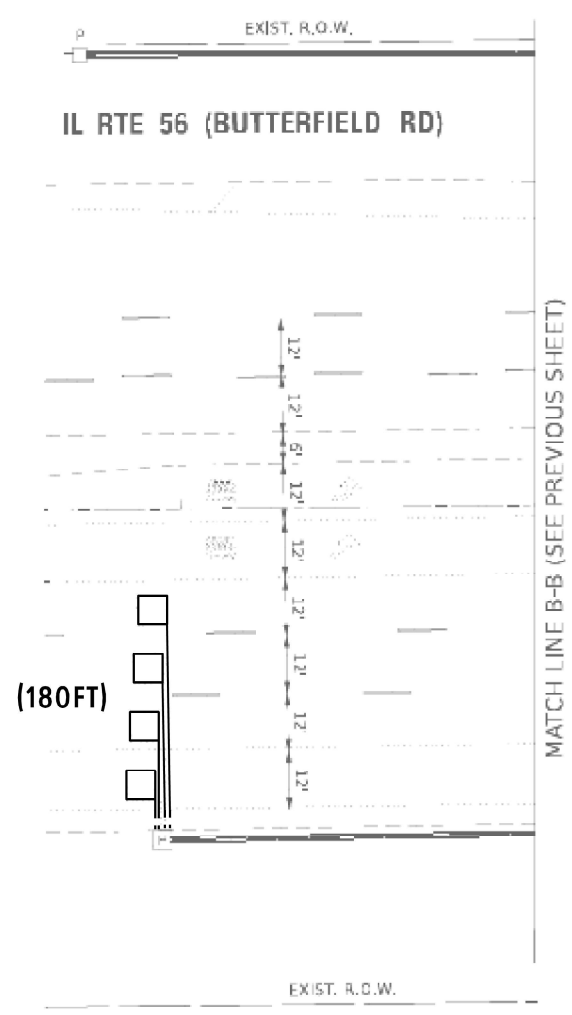
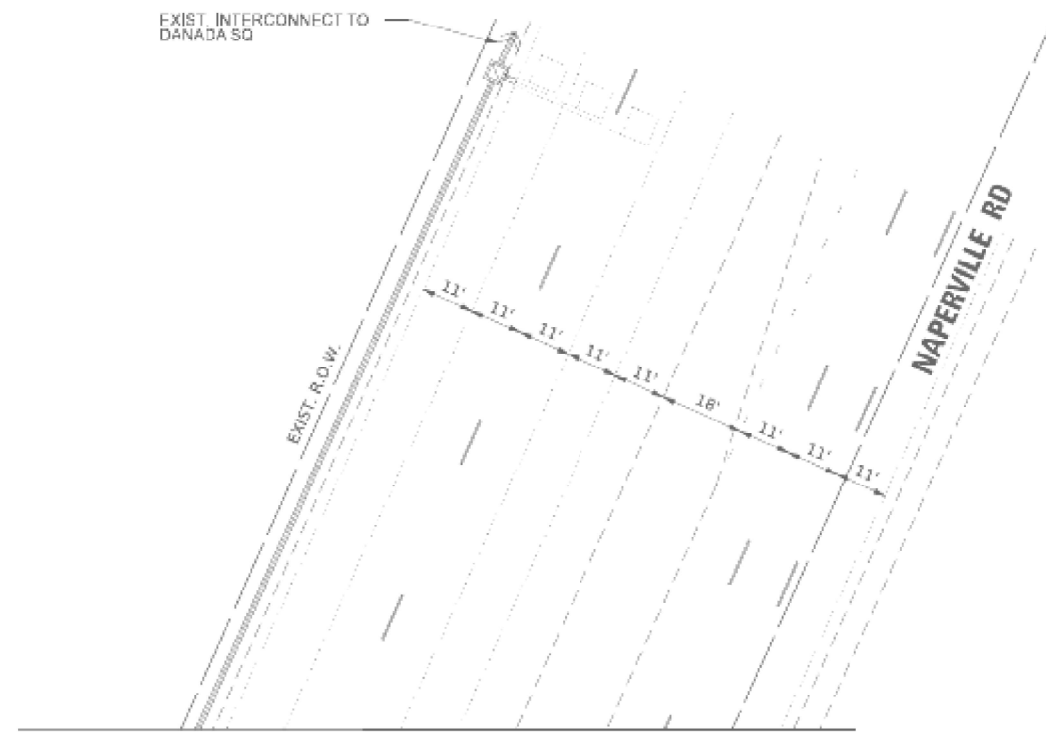
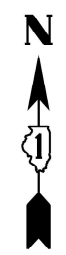
**DETECTOR LOOP REPLACEMENT PLAN  
ILL RTE. 56 AT CROMWELL DR.**

SCALE: SHEET OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	29
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

**TS#20370  
IDOT CENTRACS  
FORMER ECON 46**





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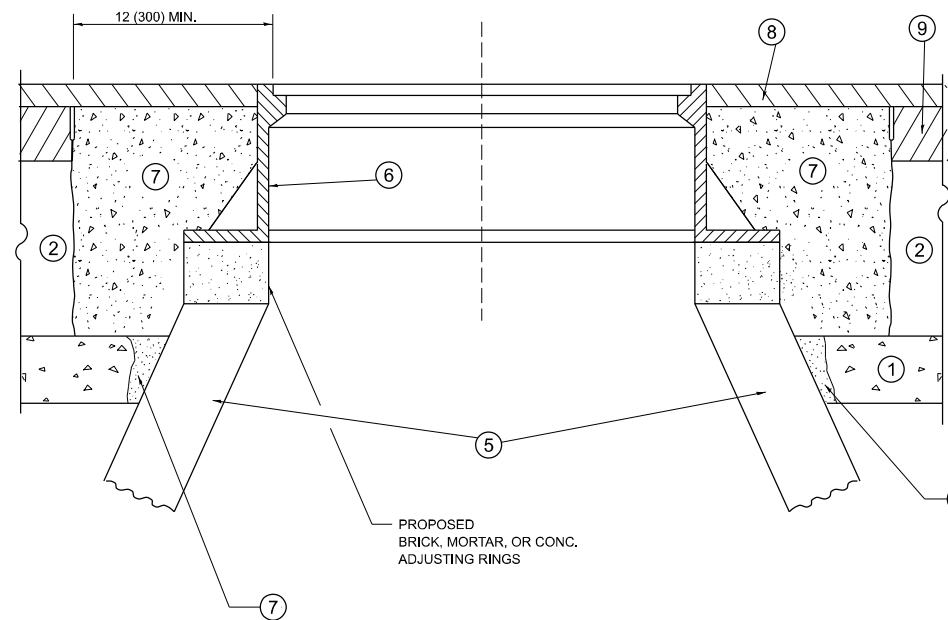
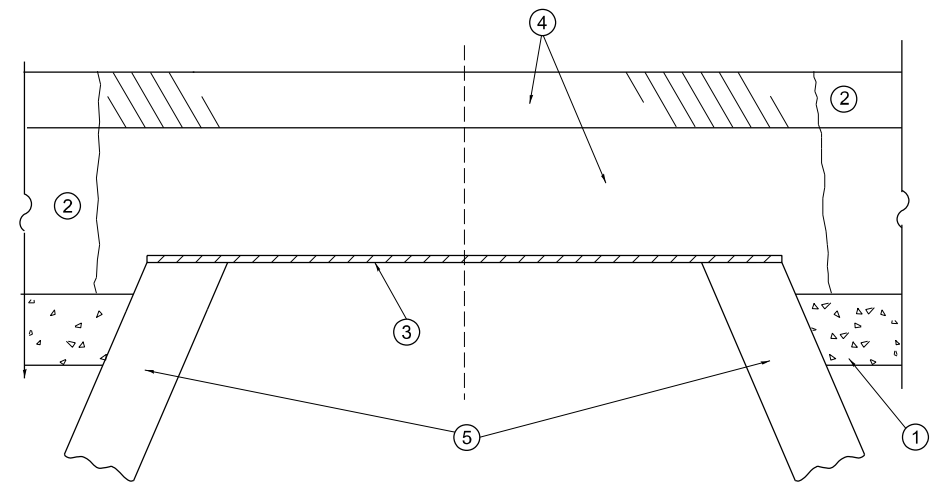
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN (SHEET 2 OF 2)**  
**ILL. RTE. 56 AT NAPERVILLE RD.**

SCALE: SHEET OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	31
CONTRACT NO. 62T21				
ILLINOIS FED. AID PROJECT				

**TS#6315**  
**IDOT CENTRACS**  
**FORMER ECON 46**



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**NOTES**

1. 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.
2. 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.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

**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 HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

**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-2\* 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                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS PP-2* CONCRETE        |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**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**

1. 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)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED - R. BORO 12-06-11
PLOT DATE = 9/7/2024	CHECKED -	REVISED - K. SMITH 11-18-22
	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	32
BD600-03 (BD-08)			CONTRACT NO. 62T21	
ILLINOIS FED. AID PROJECT				

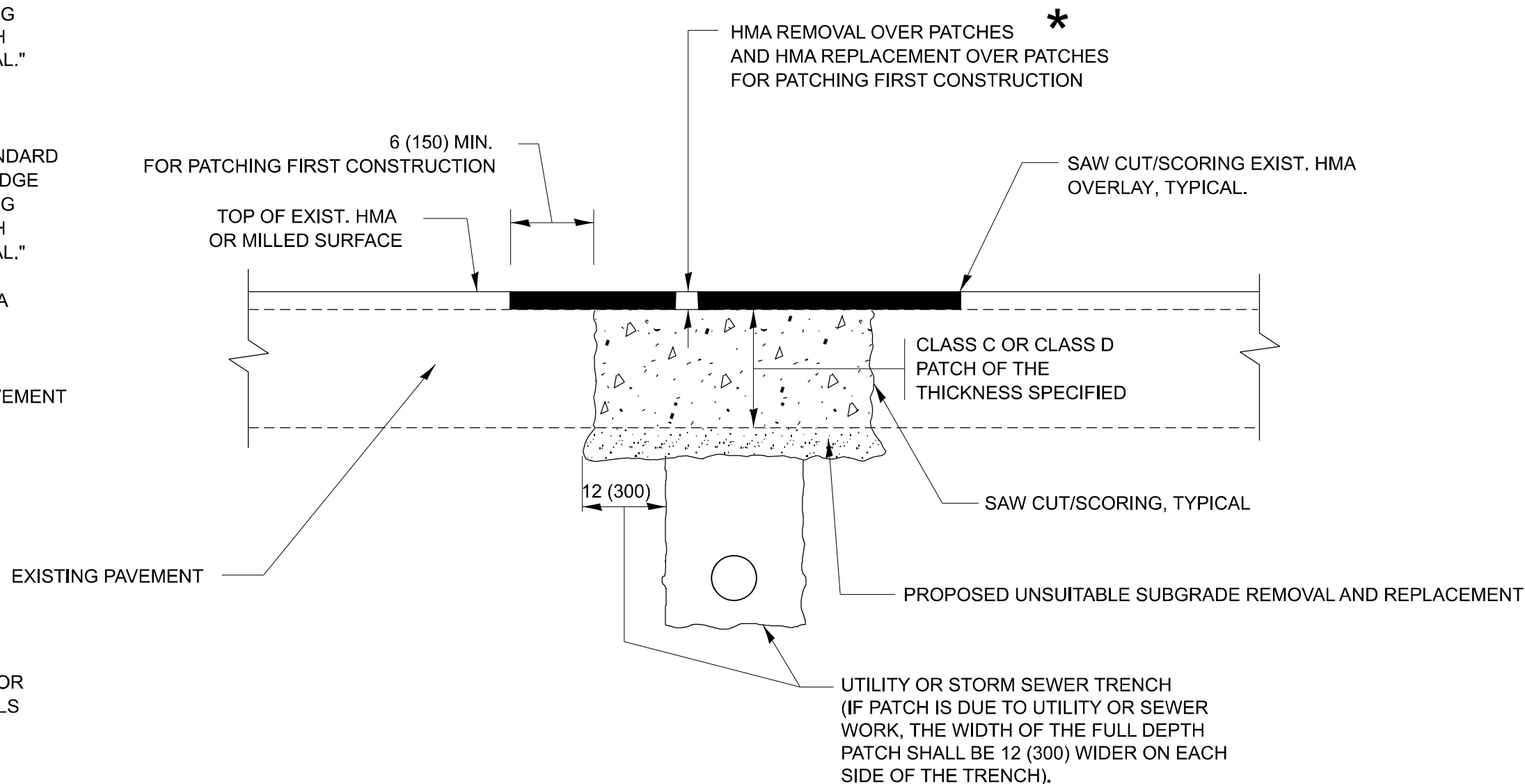


**METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

**BASIS OF PAYMENT**

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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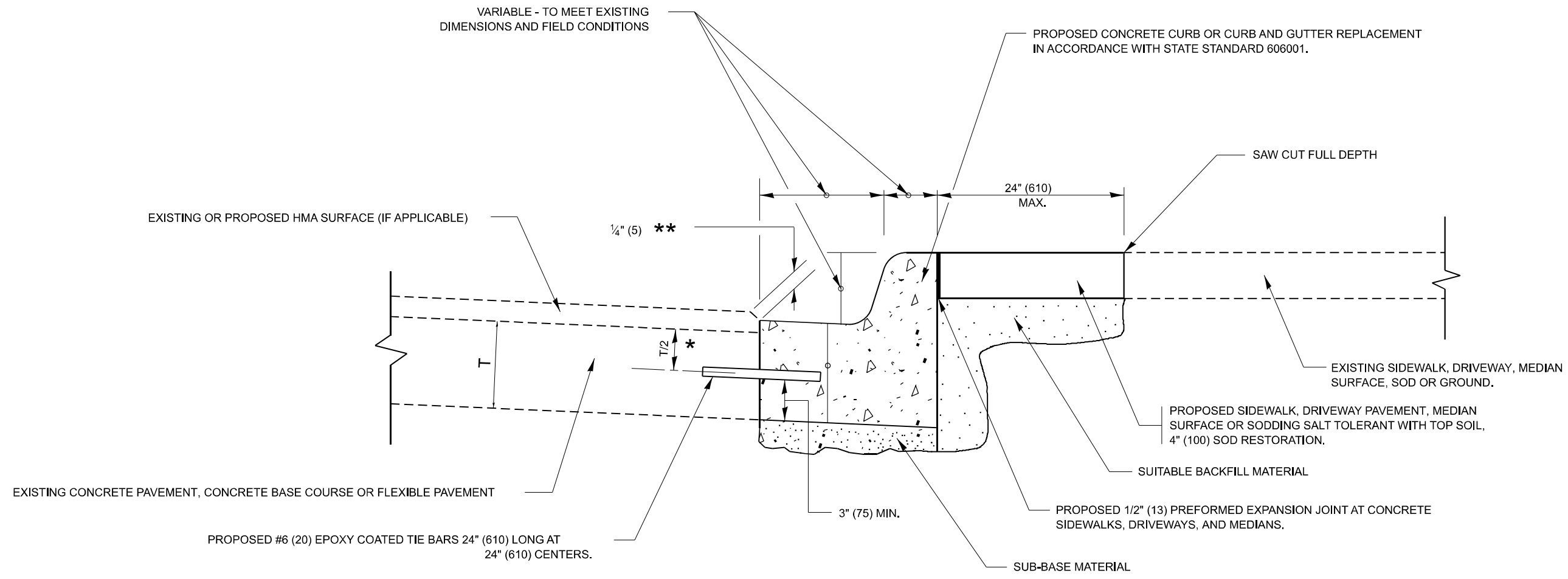
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PLOT DATE = 9/7/2024	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	33
<b>BD400-04 (BD-22)</b>			CONTRACT NO. 62T21	
ILLINOIS FED. AID PROJECT				



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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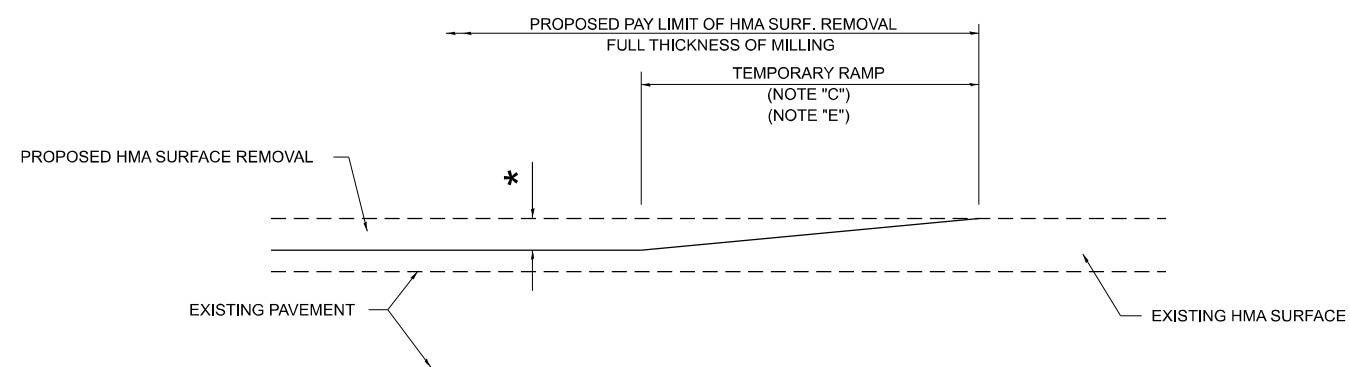
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PLOT DATE = 9/7/2024	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT**

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

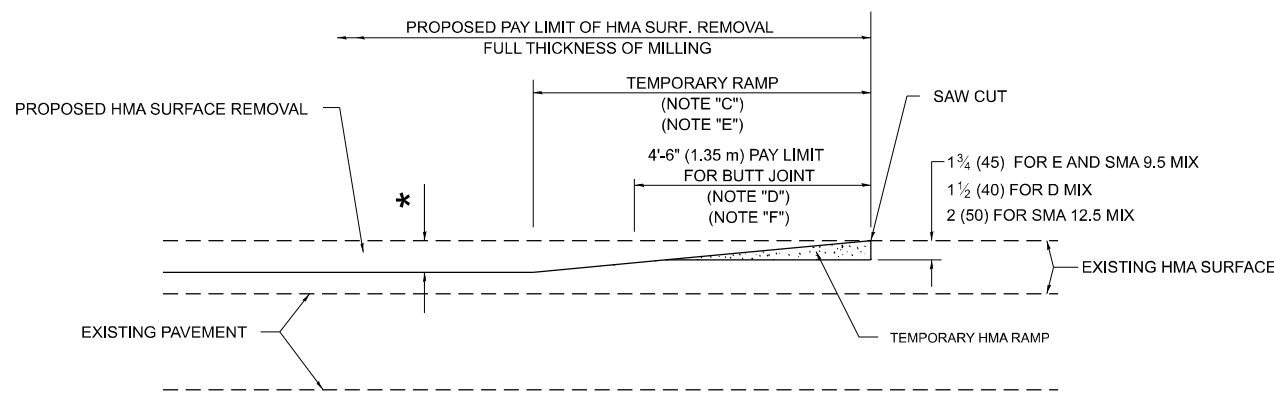
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365	FAP 0365 22 RS	DUPAGE	41	34
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 62T21	
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

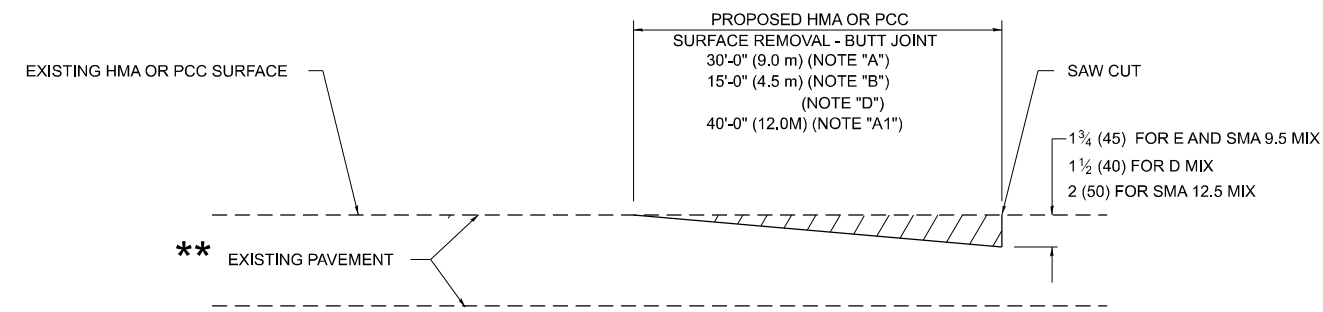


**HMA CONSTRUCTED TEMPORARY RAMP**

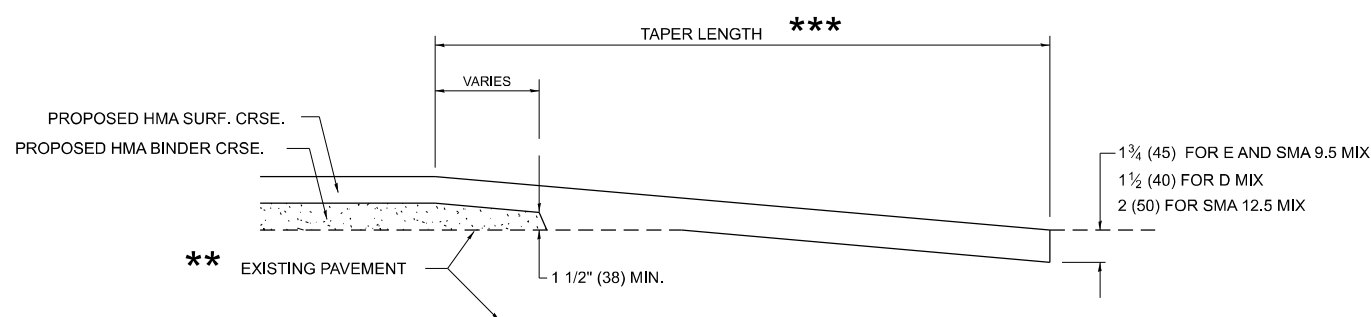
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

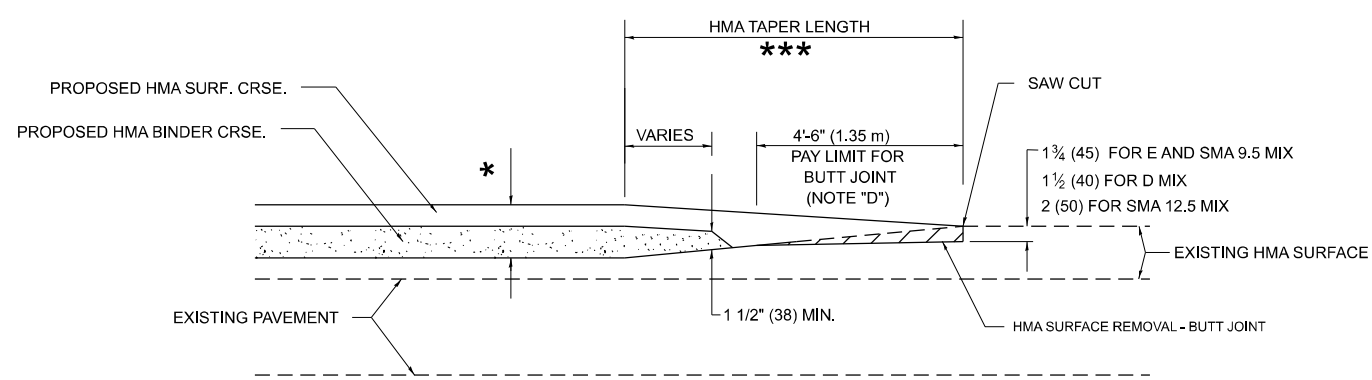
\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- 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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 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**

- 1. 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".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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

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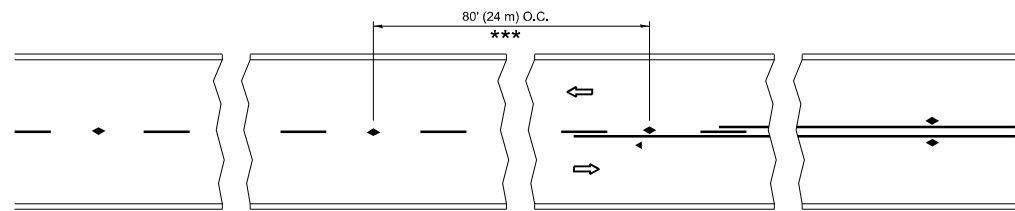
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PLOT DATE = 9/7/2024	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND HMA TAPER DETAILS**

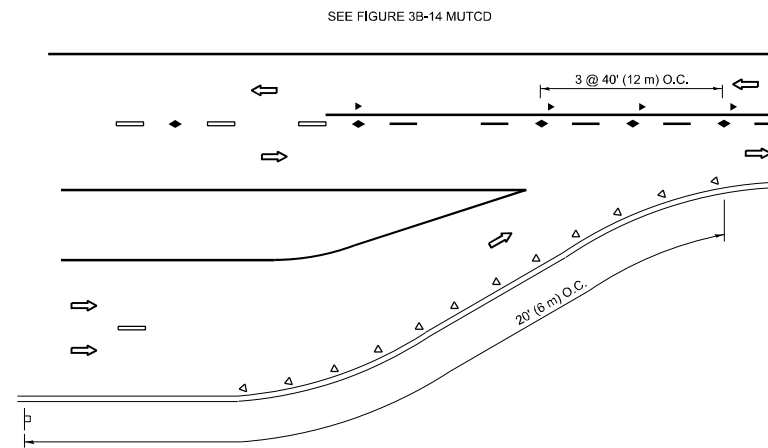
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>BD400-05 BD-32</b>			CONTRACT NO. 62T21	
ILLINOIS FED. AID PROJECT				

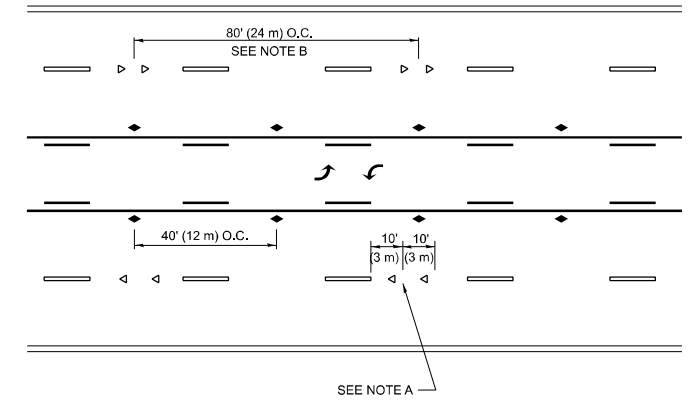


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

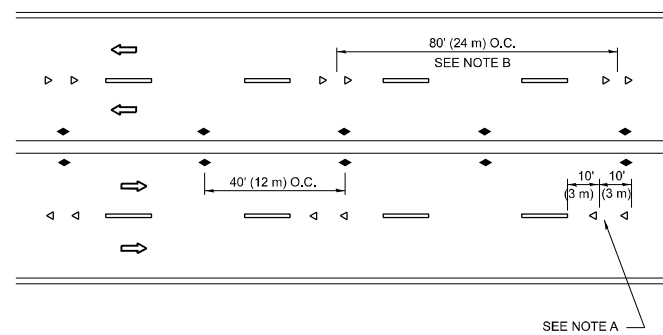
### TWO-LANE/TWO-WAY



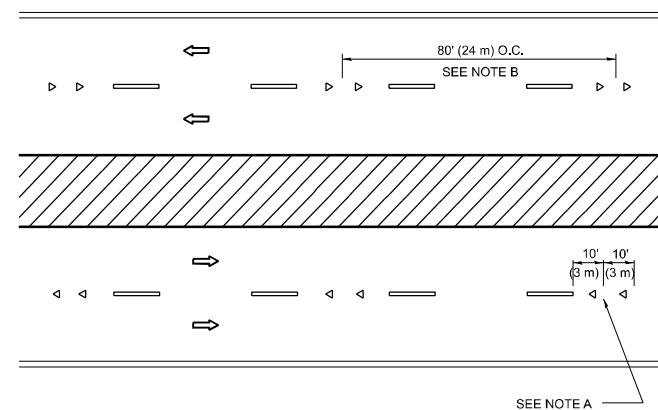
### LANE REDUCTION TRANSITION



### TWO-WAY LEFT TURN



### MULTI-LANE/UNDIVIDED



### MULTI-LANE/DIVIDED

### GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- 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.
- MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

### SYMBOLS

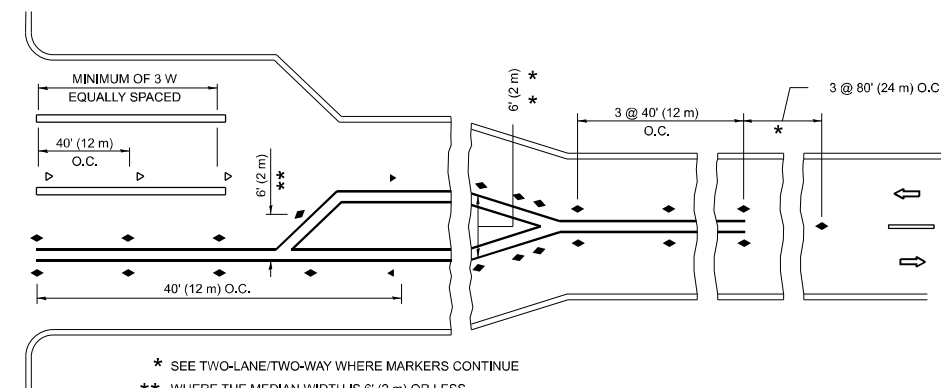
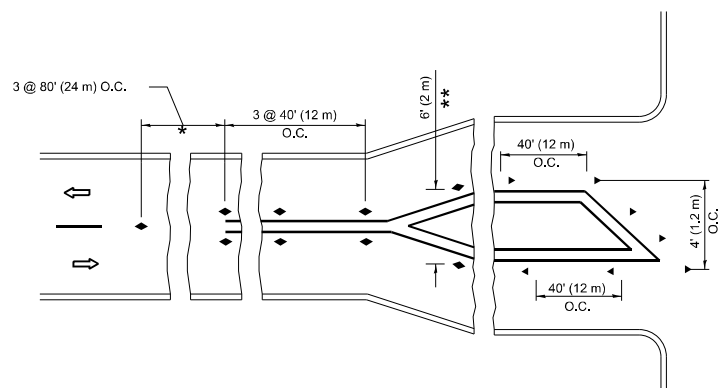
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

### LANE MARKER NOTES

- USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- 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

- DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 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.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

### TURN LANES

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

MODEL: D1 Stand-5 (Sheet)  
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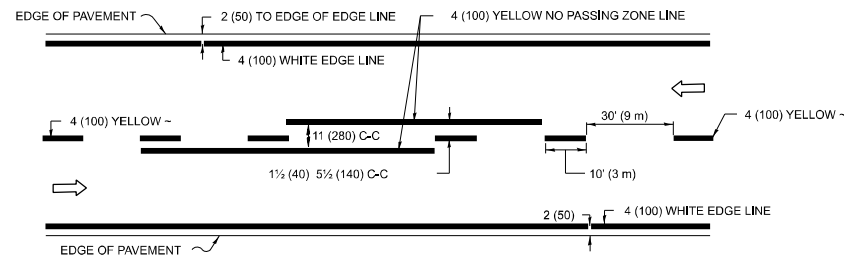
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PLOT SCALE = 0.16666833 / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 9/7/2024	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

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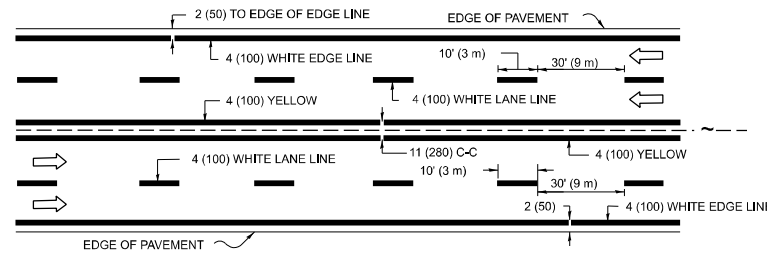
TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	36
TC-11			CONTRACT NO. 62T21	
ILLINOIS FED. AID PROJECT				

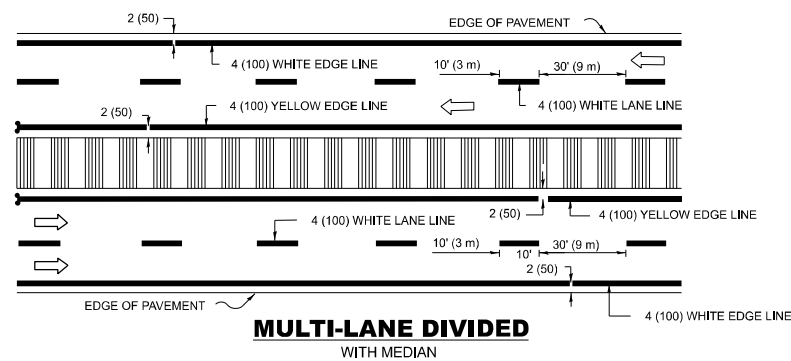
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**2-LANE ROADWAY**

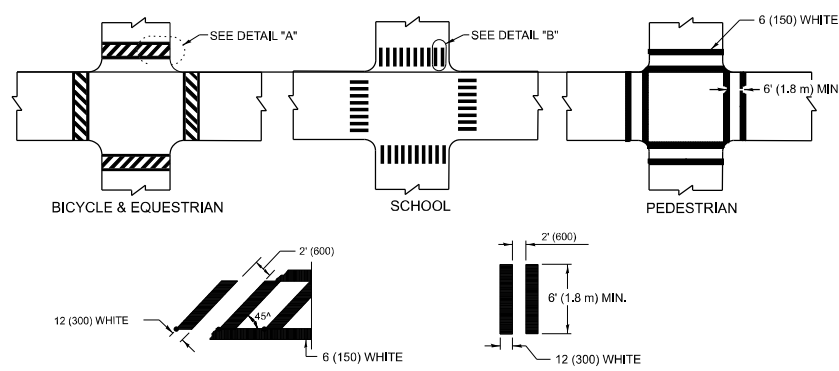


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

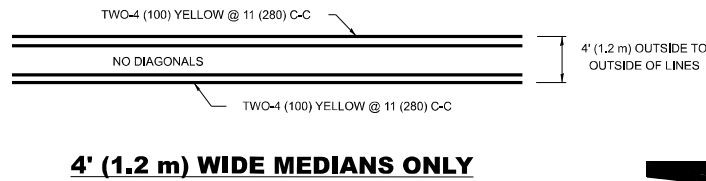
**TYPICAL LANE AND EDGE LINE MARKING**



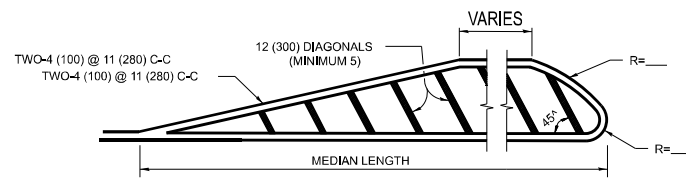
**DETAIL "A"      DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

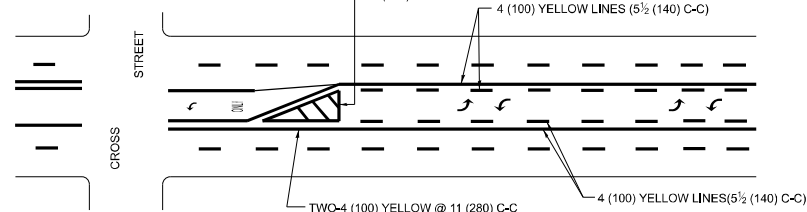


**4' (1.2 m) WIDE MEDIANS ONLY**



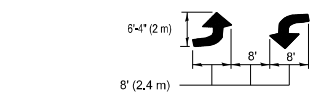
**MEDIANS OVER 4' (1.2 m) WIDE**

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))



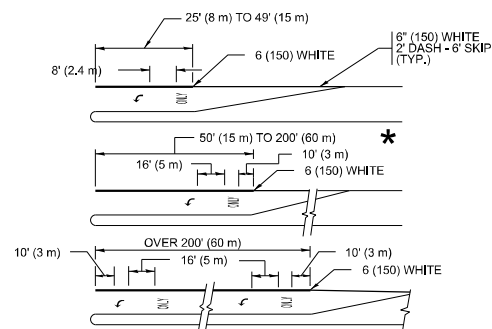
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

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**

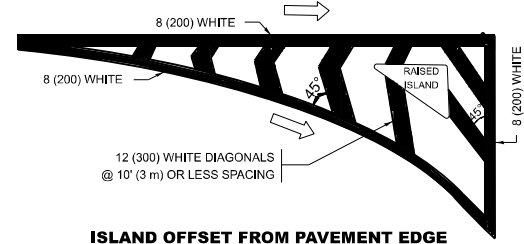


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

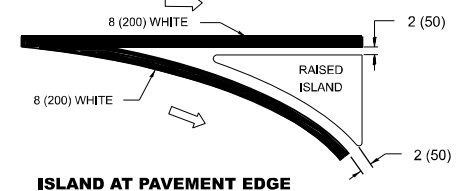
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

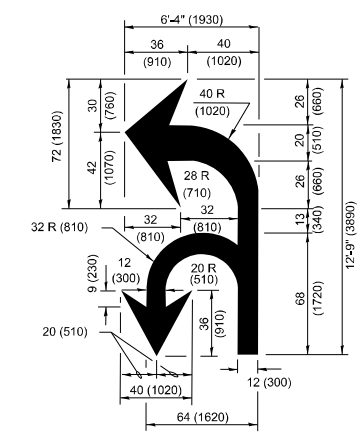


**ISLAND OFFSET FROM PAVEMENT EDGE**

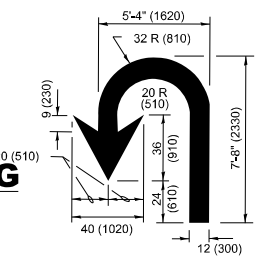


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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 WHITE	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: 15 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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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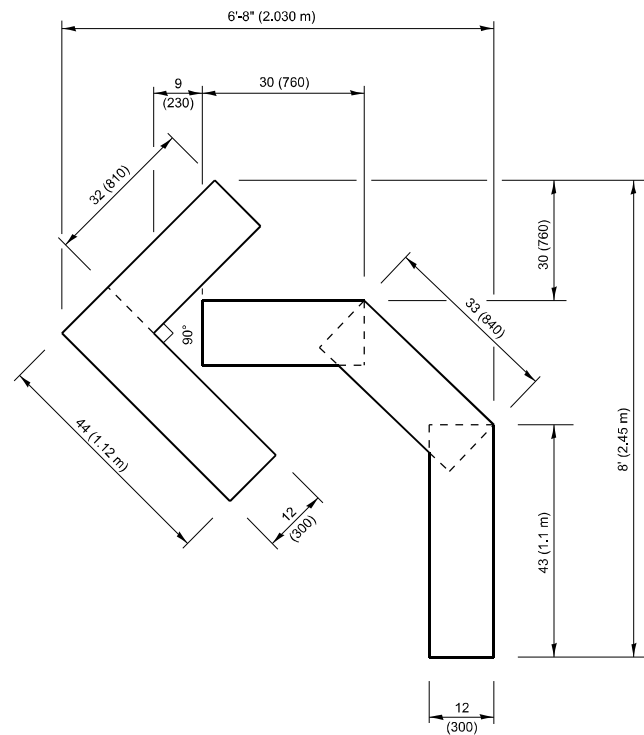
USER NAME = mohammad.hamwi	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 0.16666633 / in.	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 9/7/2024	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

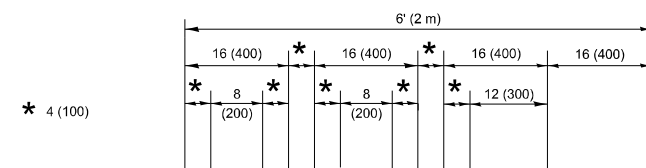
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	37
<b>TC-13</b>		CONTRACT NO. 62T21		
ILLINOIS		FED. AID PROJECT		



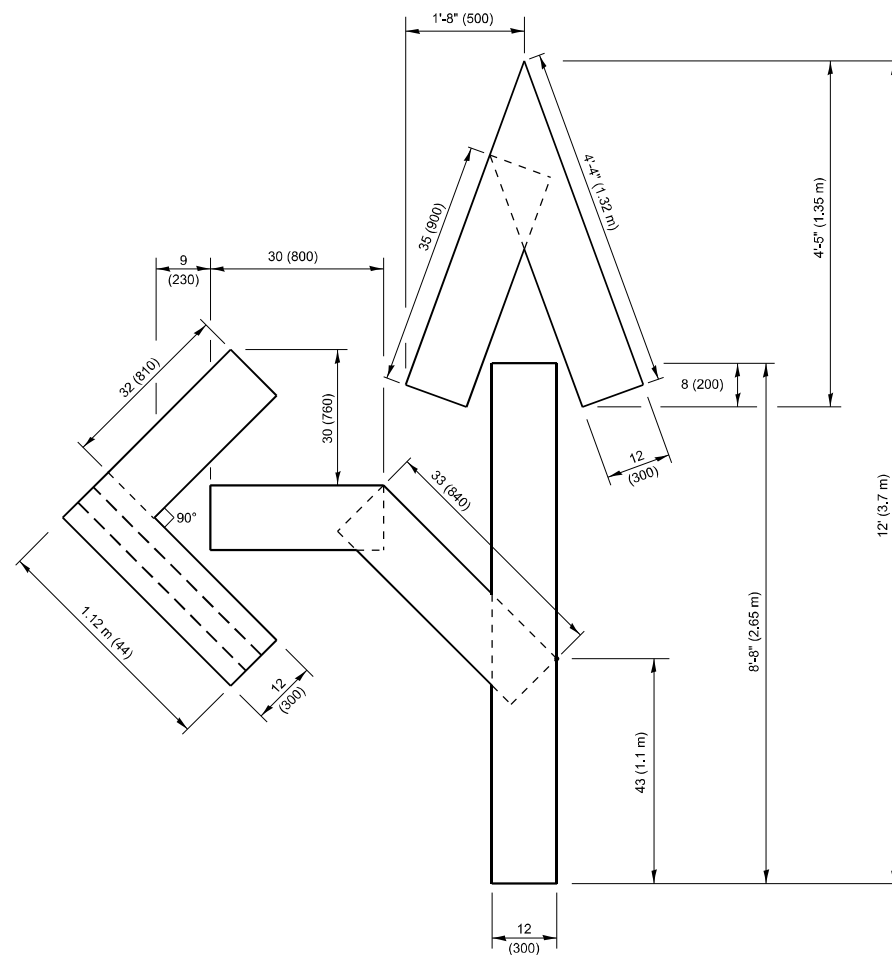
**QUANTITY**

4 (100) LINE = 45.5 ft. (13.9 m)  
15.2 sq. ft. (1.41 sq. m)



**QUANTITY**

4 (100) LINE = 64.1 ft. (19.5 m)  
21.4 sq. ft. (1.99 sq. m)

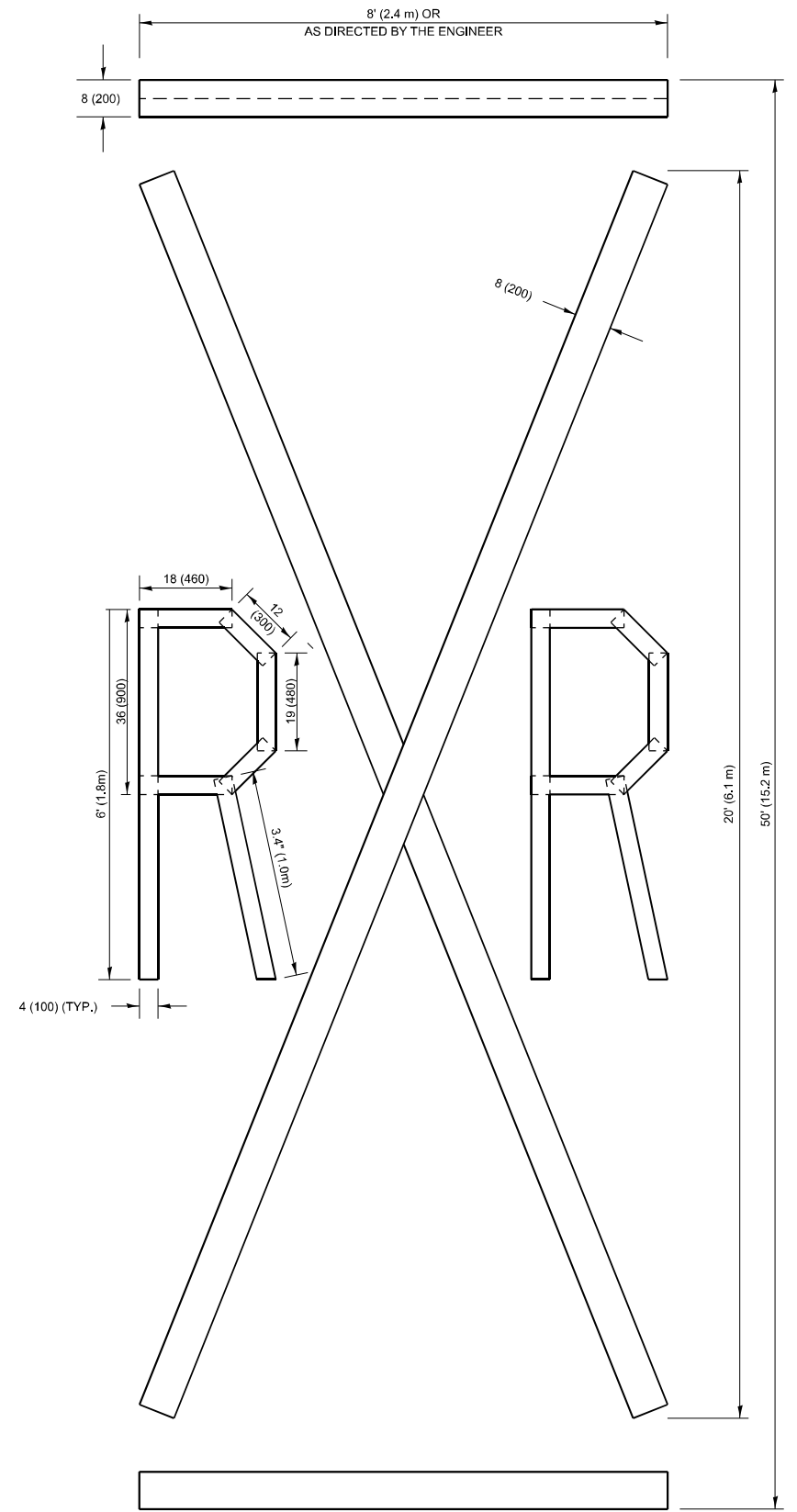


**QUANTITY**

4 (100) LINE = 82.5 ft. (25.1 m)  
27.5 sq. ft. (2.53 sq. m)

**NOTE:**

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**

4 (100) LINE = 225.9 ft. (68.9 m)  
75.3 sq. ft. (6.99 sq. m)

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

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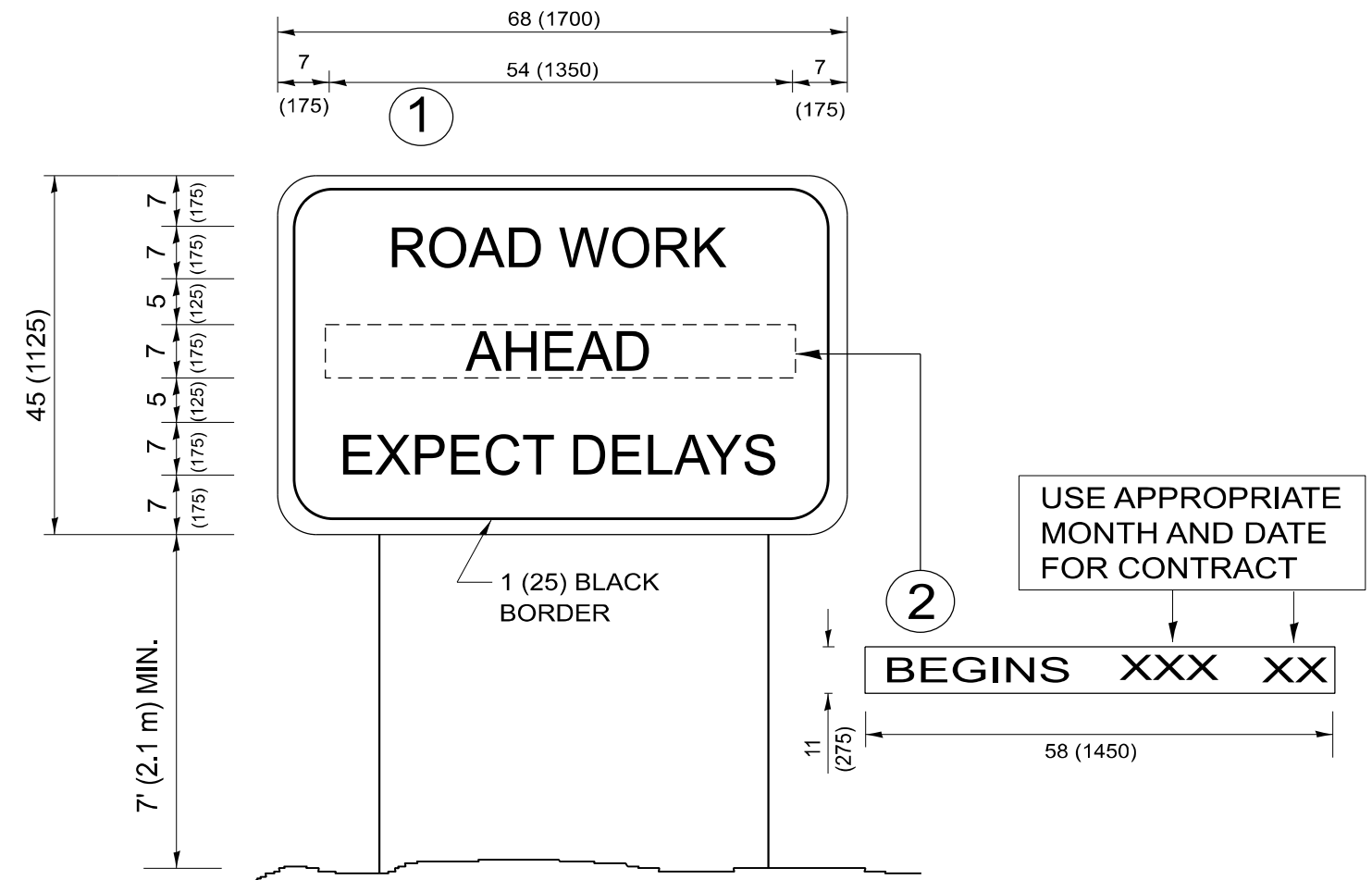
USER NAME = mohammad.hamwi	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 0.16666833 / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 9/7/2024	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	38
<b>TC-16</b>			CONTRACT NO. 62T21	
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.

MODEL: D1 Stand-A1 (Sheet)  
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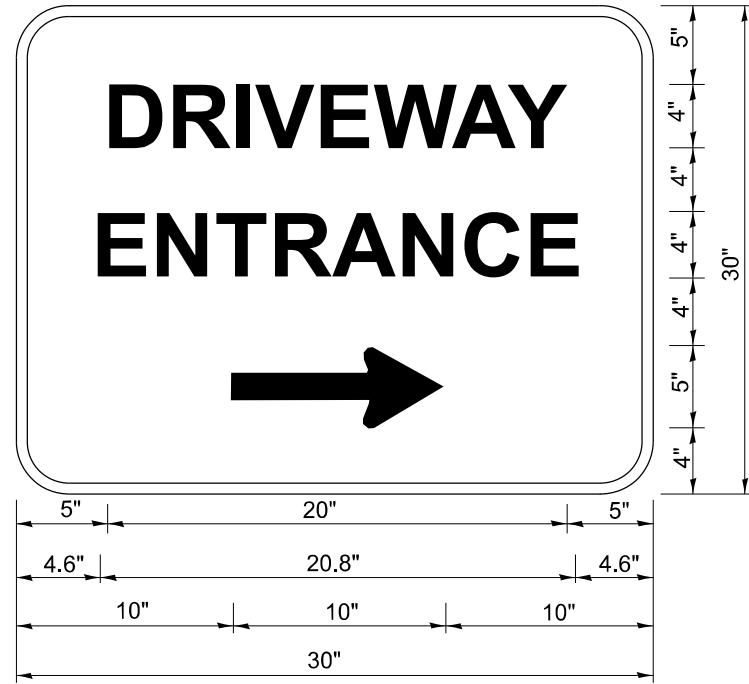
USER NAME = mohammad.hamwi	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 0.16666833 1/In.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 9/7/2024	DATE -	REVISED - C. JUCIUS 01-31-07

**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.
365	FAP 0365 22 RS	DUPAGE	41	39
<b>TC-22</b>			CONTRACT NO. 62T21	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: D1 Stand-Q (Sheet)  
 FILE NAME: c:\p\work\pwr\ham\m\0924830\126722-shh-DistSign.dgn

USER NAME = mohammad.hamwi	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 9/7/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

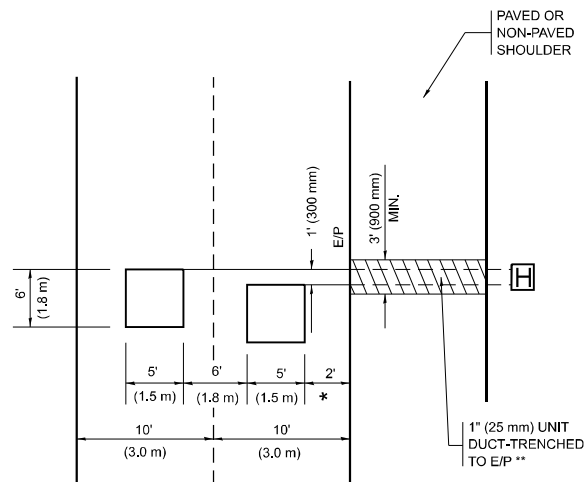
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	40
<b>TC-26</b>			CONTRACT NO. 62T21	
ILLINOIS FED. AID PROJECT				



**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



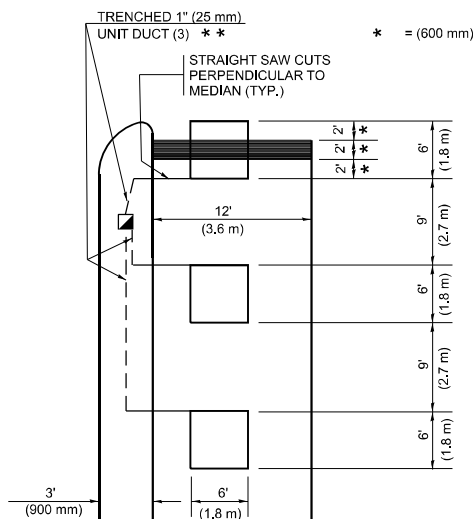
\* = (600 mm)

\*\* 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.



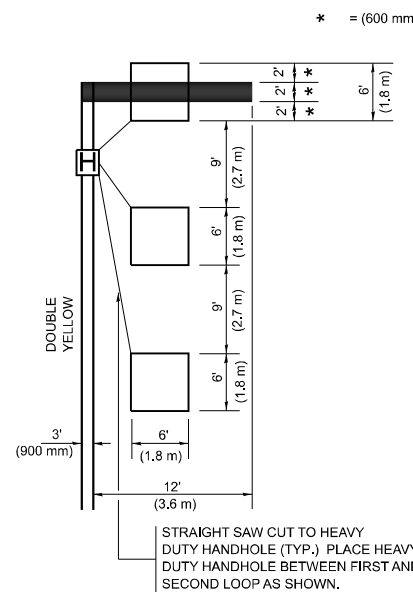
\* = (600 mm)

\*\* 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)



\* = (600 mm)

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

**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.

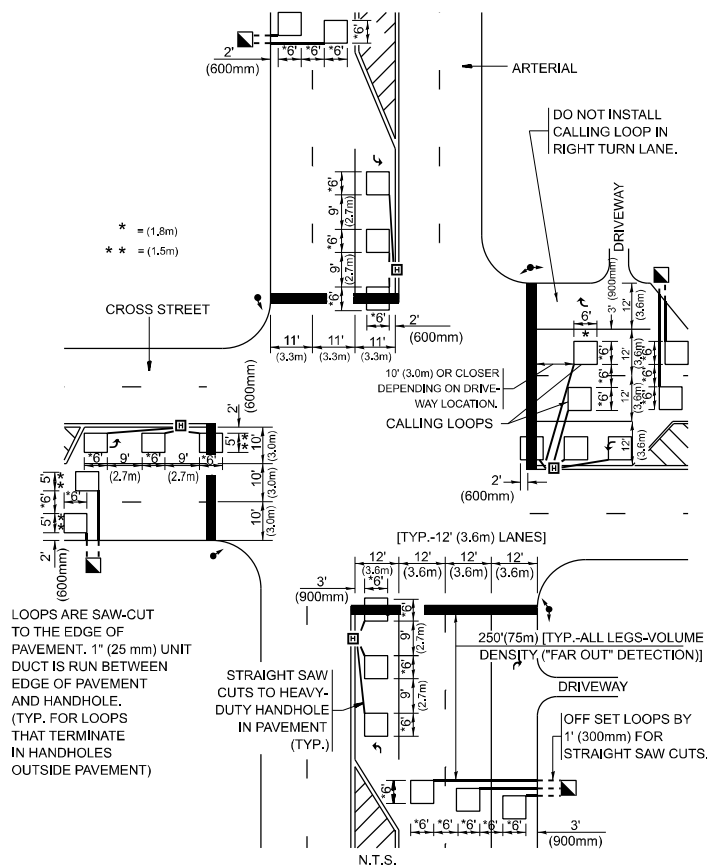
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 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.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)**



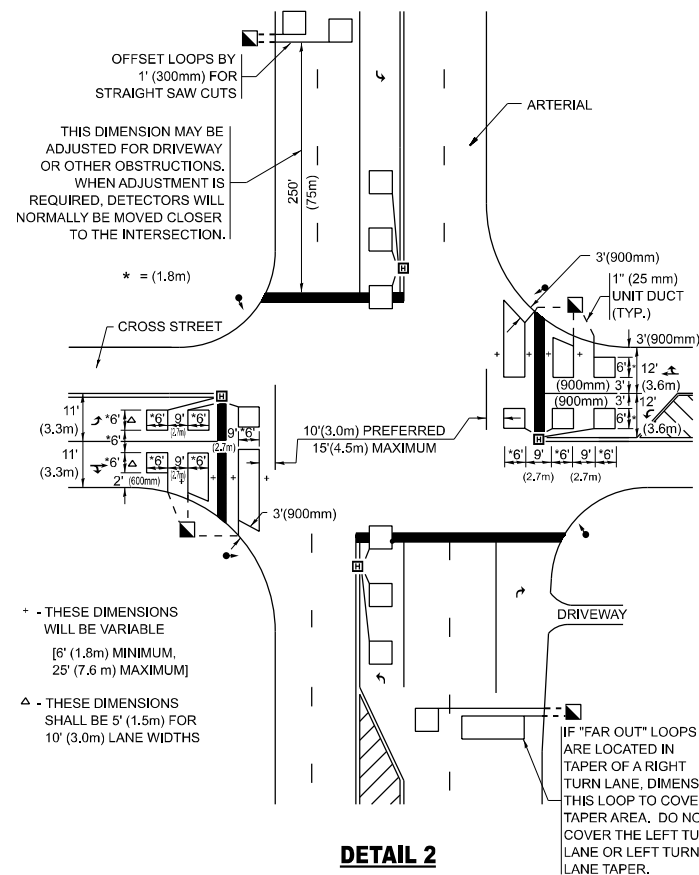
\* = (1.8m)  
\*\* = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

**DETAIL 1**  
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



\* - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]  
Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

**DETAIL 2**  
N.T.S.

MODEL: D1\_Stand-10 [Sheet]  
FILE NAME: c:\p\work\wv\totham\m\09248301\26722-3th-Dist1Stds.dgn

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED - R.K.F.	REVISED -
PLOT DATE = 9/7/2024	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	FAP 0365 22 RS	DUPAGE	41	41
<b>TS-07</b>		CONTRACT NO. 62T21		
ILLINOIS FED. AID PROJECT				