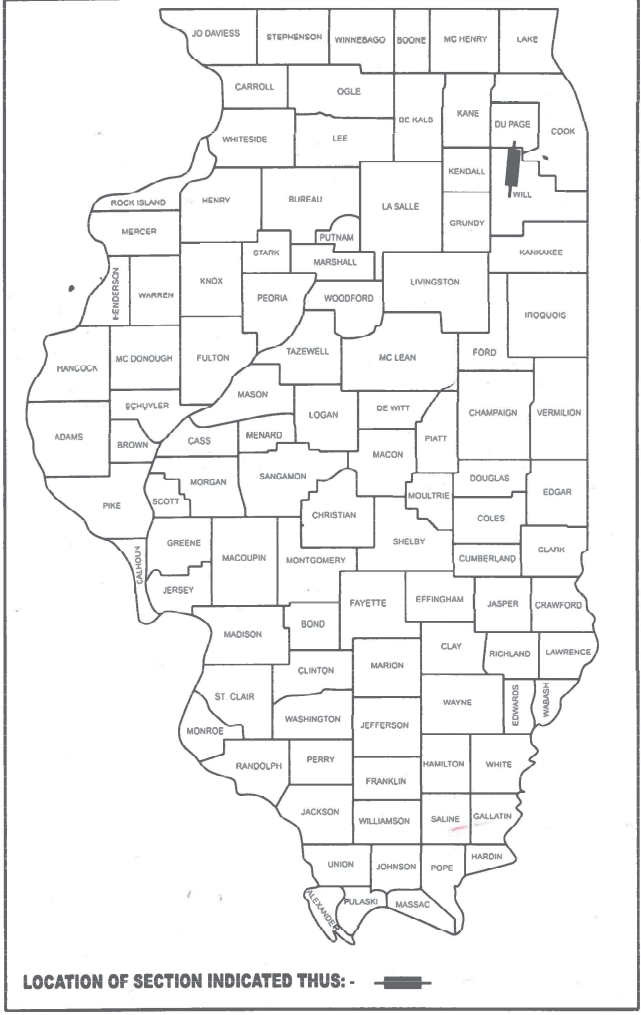


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	1
		ILLINOIS	CONTRACT NO. 62G52	

D-91-312-18



FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE
VILLAGE OF ROMEOVILLE

TRAFFIC DATA:

BELMONT DRIVE TO NORMANTOWN ROAD/DEVONWOOD AVENUE:

ADT (2023) = 31,800
SPEED LIMIT = 40 MPH

NORMANTOWN ROAD/DEVONWOOD AVENUE TO JOLIET ROAD:

ADT (2023) = 26,800
SPEED LIMIT = 40 MPH

JOLIET ROAD TO PROJECT END:

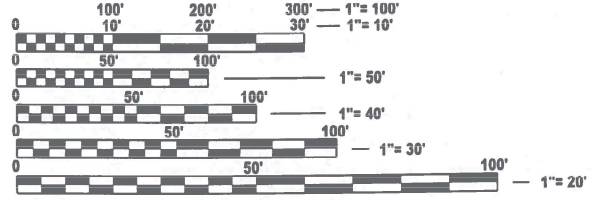
ADT (2023) = 22,900
SPEED LIMIT = 45 MPH

PROPOSED
HIGHWAY PLANS
FAP ROUTE 112: ILL 53 (INDEPENDENCE BOULEVARD)
JOLIET ROAD TO BELMONT DRIVE
SECTION: 2018-039-RS

DESIGNED OVERLAY
WILL COUNTY

C-91-236-18
R 10 E

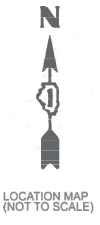
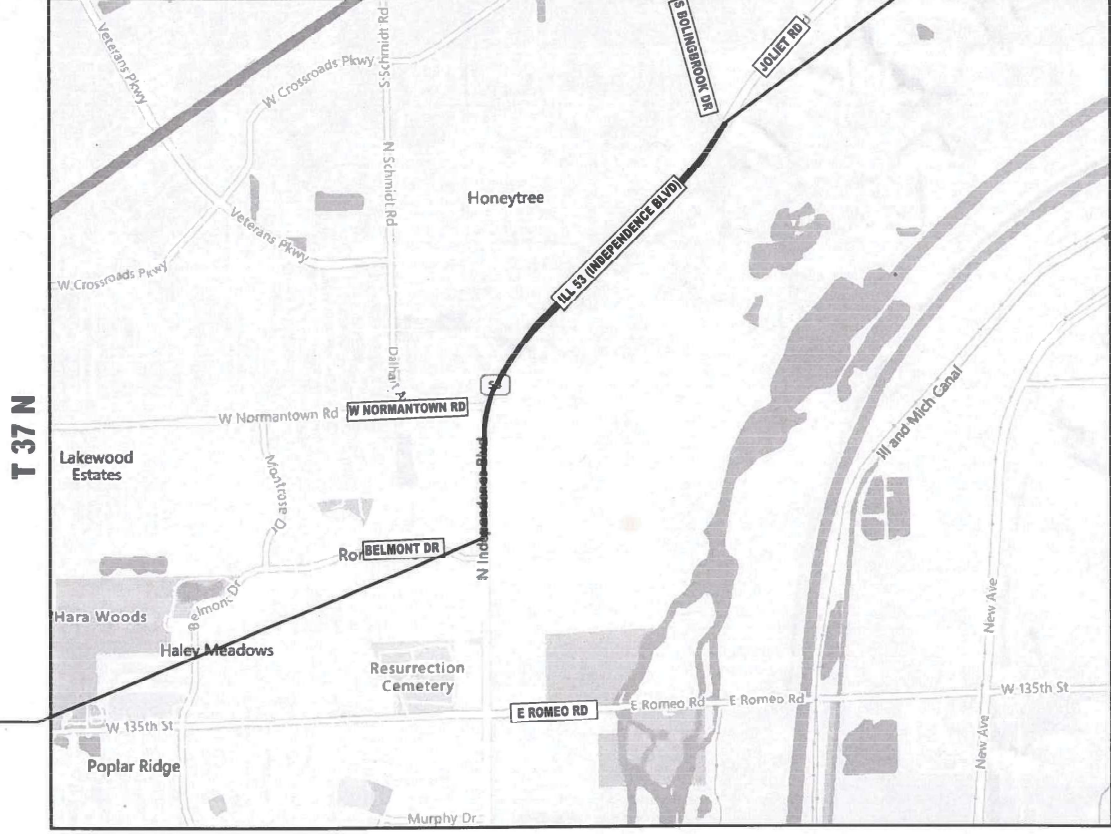
PROJECT ENDS
STA 109+61



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 BEGINS
STA 19+02



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

CONTRACT NO. 62G52

GROSS & NET LENGTH = 9,059 FT. = 1.716 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19th 2025
[Signature] REGIONAL ENGINEER

May 9 2025
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2025
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: SOQ_4 [Sheet]
FILE NAME: c:\pw_work\pwid\elkhatba\1144-886\1131218-ent-SOQ.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	TRAFFIC SIGNALS			
					100% STATE	100% STATE	100% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	30	30					
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT							
	25200110	SODDING, SALT TOLERANT	SQ YD	30	30					
	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	8	8					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	49185	49185					
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	43895	43895					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	109	109					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	410	410					
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	2755	2755					
	40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90	TON	9125	9125					
	40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	7096	7096					
	42001300	PROTECTIVE COAT	SQ YD	40	40					
	44002230	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 7-1/2"	SQ YD	6550	6550					
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	72400	72400					
	44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	580	580					
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	2900	2900					
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	2320	2320					
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	139	139					
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	4					
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	4	4					
	60255500	MANHOLES TO BE ADJUSTED	EACH	1	1					
	60260100	INLETS TO BE ADJUSTED	EACH	1	1					
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3					
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	4	4					
	60920018	PIPE CULVERTS TO BE CLEANED 18"	FOOT	84	84					
		USER NAME = Aya.Elkhattib	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					
			DRAWN -	REVISED -						
			CHECKED -	REVISED -						
		PLOT DATE = 3/24/2025	DATE -	REVISED -						

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	TRAFFIC SIGNALS			
					100% STATE	100% STATE	100% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
	67100100	MOBILIZATION	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					
	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	21805	21805					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2960	2960					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	3985	3985					
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	83580	83580					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	22110	22110					
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	840	840					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	4935	4935					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	2235	2235					
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4"- TYPE IV TAPE	FOOT	5455	5455					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1330	1330					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	27860	27860					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7370	7370					
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	280	280					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1645	1645					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	745	745					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1129	1129					
* = SPECIALTY ITEMS										
ILLINOIS TRANSPORTATION		SUMMARY OF QUANTITIES ILL 53 (INDEPENDENCE BOULEVARD) (JOLIET ROAD TO BELMONT DRIVE)			F.A.P RTE. 112	SECTION 2018-039-RS		COUNTY WILL	TOTAL SHEETS 32	SHEET NO. 3
SCALE:		SHEET 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 62G52					
					ILLINOIS FED. AID PROJECT					

LEGEND - EXISTING:

- (A) EXIST. HOT-MIX ASPHALT, ± 7.5"
- (B) EXIST. PCC PAVEMENT, ± 9"
- (C) EXIST. COMBINATION CONCRETE CURB AND GUTTER
- (D) EXIST. CONCRETE MEDIAN
- (E) EXIST. HMA BASE COURSE WIDENING
- (F) EXIST. AGGREGATE SUBGRADE IMPROVEMENT
- (G) EXIST. HMA SHOULDER, 8"
- (H) EXIST. AGGREGATE SHOULDER, 8"

LEGEND - PROPOSED:

- (1) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1.75"
- (2) PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2.25"

* CURB AND GUTTER REMOVAL AND REPLACEMENT
(LOCATION AS DIRECTED BY THE ENGINEER)

NOTES:

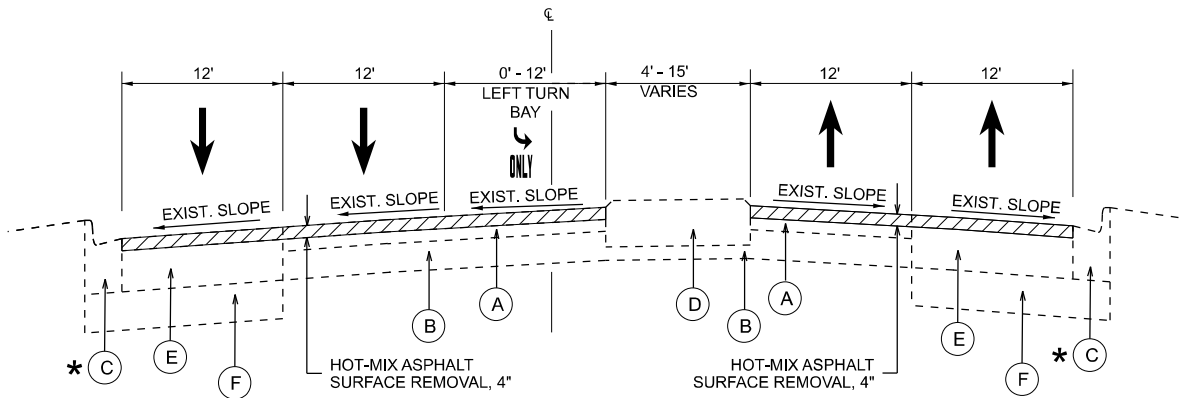
- (1) THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING
- (2) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BINDER COURSE, IL-19.0

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1.75"	3.5% @ 80 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2.25"	4% @ 90 GYR.	QCP
PATCHING		
CLASS D PATCH (HMA BINDER IL-19.0)	4% @ 90 GYR.	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0)	4% @ 90 GYR.	QC/QA
TEMPORARY RAMP (SPECIAL)		
HMA BINDER COURSE, IL-9.5, N70 (VARIABLE DEPTH)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP) PAY FOR PERFORMANCE (PFP).		

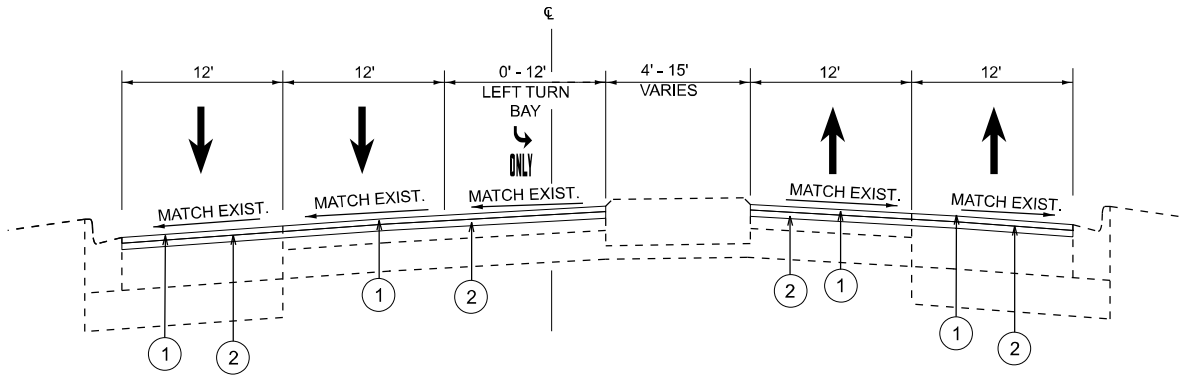
NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTE 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.



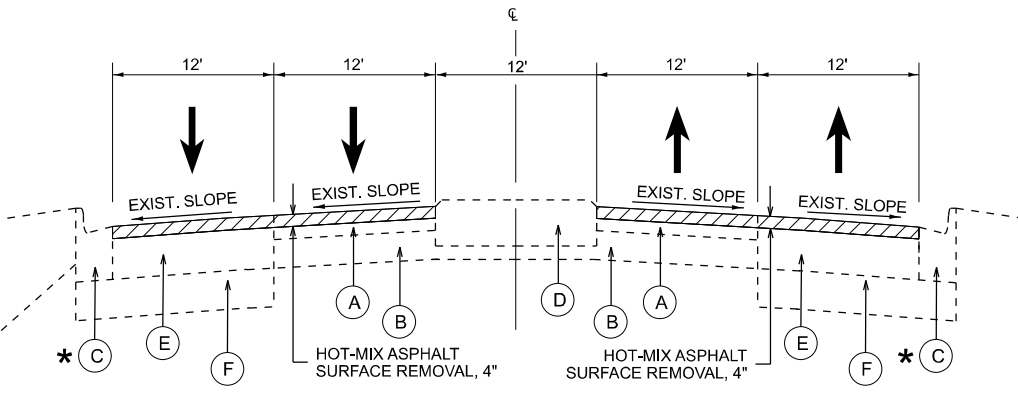
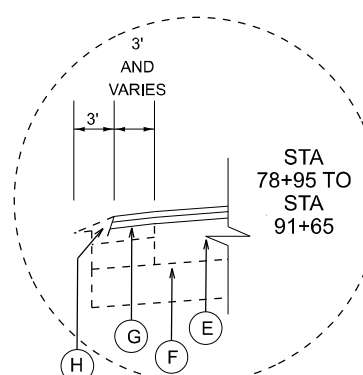
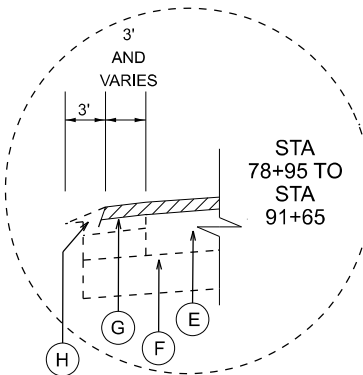
EXISTING TYPICAL CROSS SECTION

STA 19+02 TO STA 23+00



PROPOSED TYPICAL CROSS SECTION

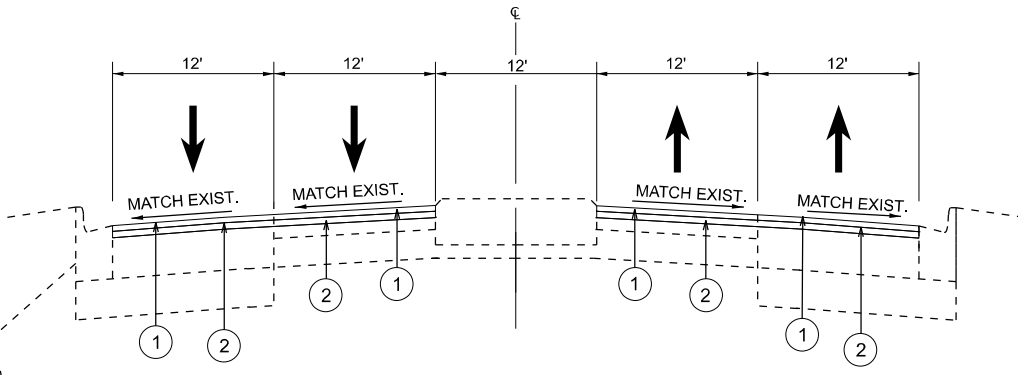
STA 19+02 TO STA 23+00



EXISTING TYPICAL CROSS SECTION

STA 23+00 TO STA 36+00

STA 45+45 TO STA 91+65



PROPOSED TYPICAL CROSS SECTION

STA 23+00 TO STA 36+00

STA 45+45 TO STA 91+65

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
ILL 53 (INDEPENDENCE BOULEVARD) (JOLIET ROAD TO BELMONT DRIVE)

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	5
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

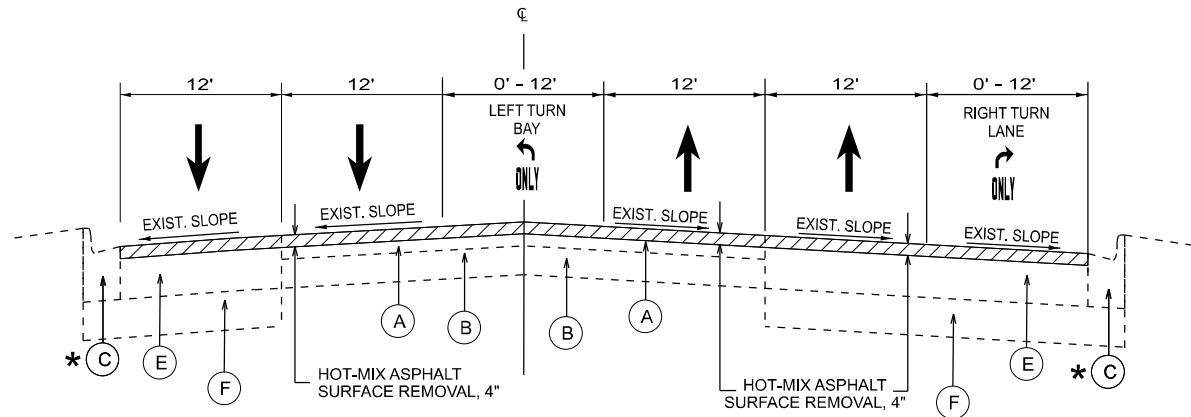
LEGEND - EXISTING:

- (A) EXIST. HOT-MIX ASPHALT, $\pm 7.5"$
- (B) EXIST. PCC PAVEMENT, $\pm 9"$
- (C) EXIST. COMBINATION CONCRETE CURB AND GUTTER
- (D) EXIST. CONCRETE MEDIAN
- (E) EXIST. HMA BASE COURSE WIDENING
- (F) EXIST. AGGREGATE SUBGRADE IMPROVEMENT
- (G) EXIST. HMA SHOULDER, 8"
- (H) EXIST. AGGREGATE SHOULDER, 8"

LEGEND - PROPOSED:

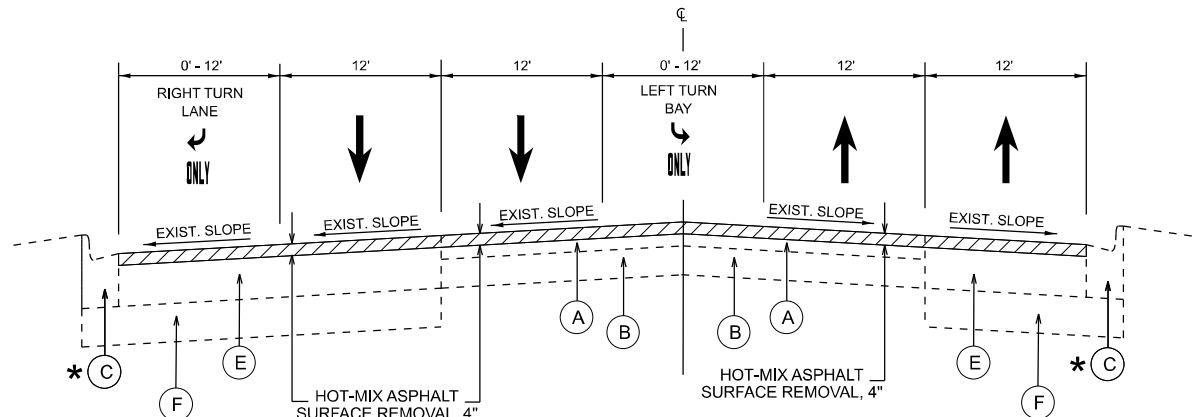
- (1) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1.75"
- (2) PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2.25"

* CURB AND GUTTER REMOVAL AND REPLACEMENT
(LOCATION AS DIRECTED BY THE ENGINEER)



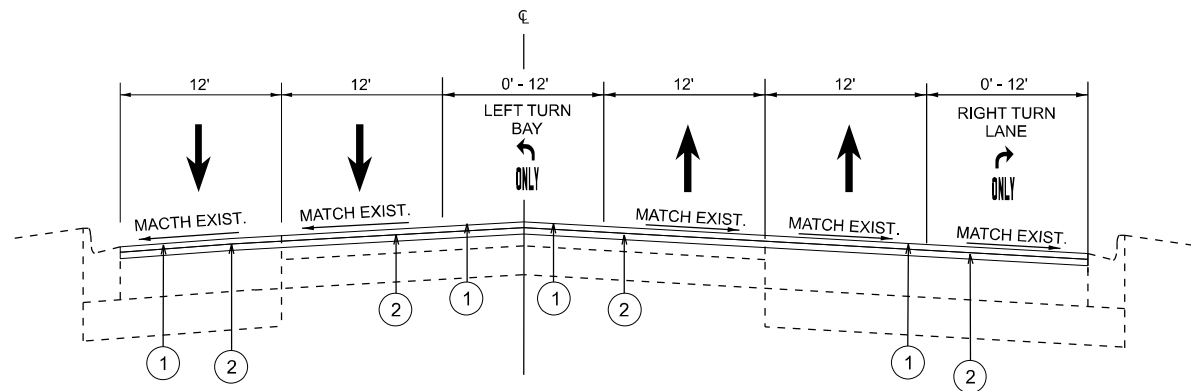
EXISTING TYPICAL CROSS SECTION

STA 36+00 TO STA 41+24



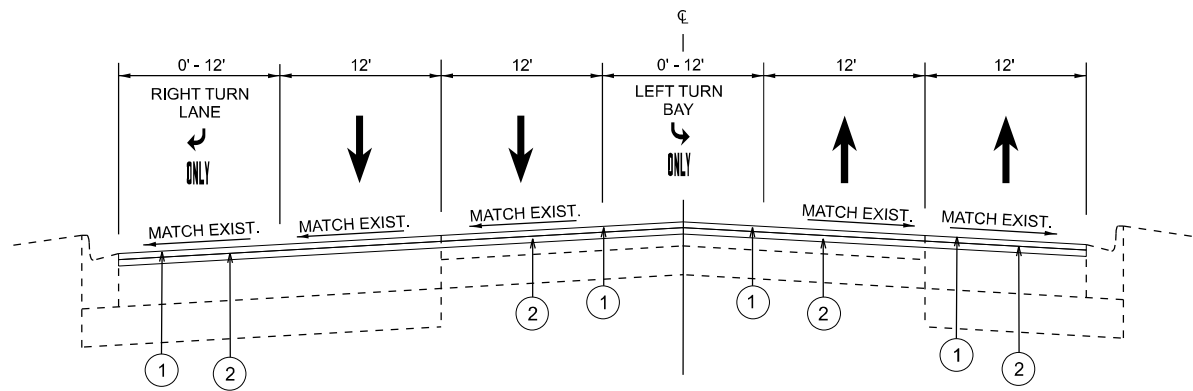
EXISTING TYPICAL CROSS SECTION

STA 41+24 TO STA 45+45



PROPOSED TYPICAL CROSS SECTION

STA 36+00 TO STA 41+24



PROPOSED TYPICAL CROSS SECTION

STA 41+24 TO STA 45+45

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USER NAME = Aya.Elkhailb	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS			
ILL 53 (INDEPENDENCE BOULEVARD) (JOLIET ROAD TO BELMONT DRIVE)			
SCALE:	SHEET 2	OF 3	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	6
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

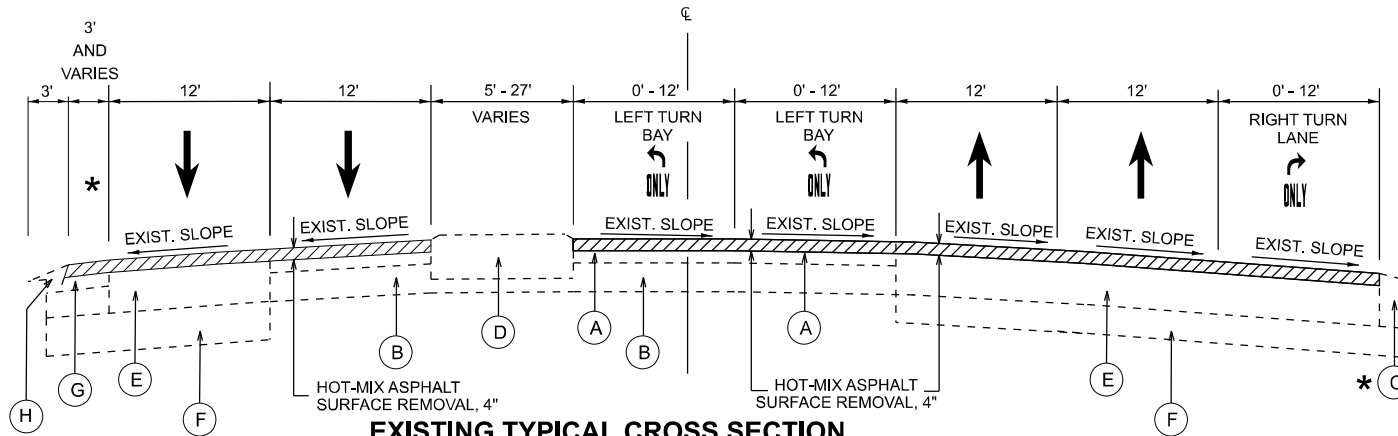
LEGEND - EXISTING:

- (A) EXIST. HOT-MIX ASPHALT, $\pm 7.5"$
- (B) EXIST. PCC PAVEMENT, $\pm 9"$
- (C) EXIST. COMBINATION CONCRETE CURB AND GUTTER
- (D) EXIST. CONCRETE MEDIAN
- (E) EXIST. HMA BASE COURSE WIDENING
- (F) EXIST. AGGREGATE SUBGRADE IMPROVEMENT
- (G) EXIST. HMA SHOULDER, 8"
- (H) EXIST. AGGREGATE SHOULDER, 8"

LEGEND - PROPOSED:

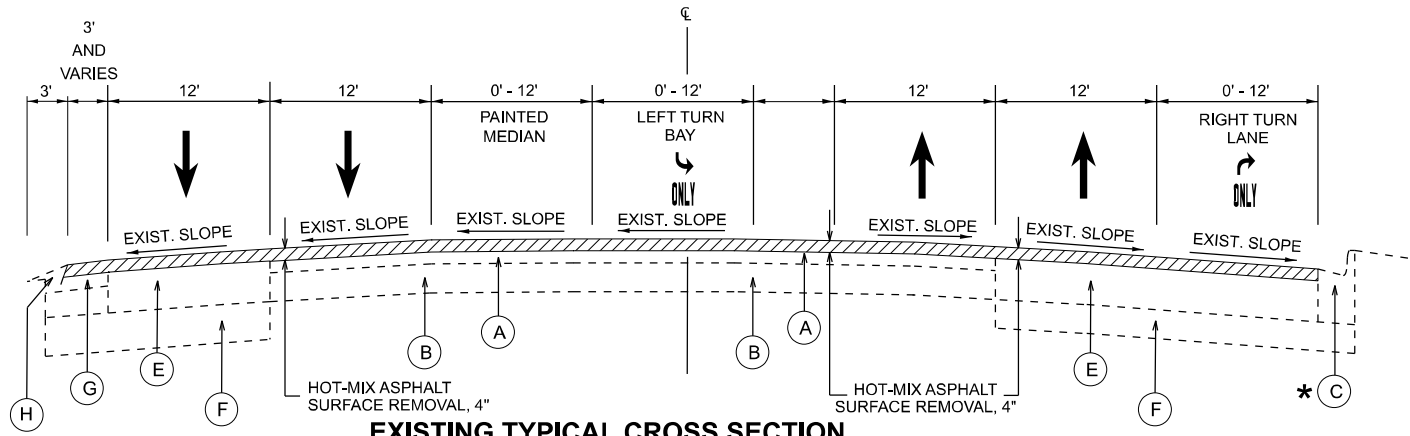
- (1) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1.75"
- (2) PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2.25"

* CURB AND GUTTER REMOVAL AND REPLACEMENT
(LOCATION AS DIRECTED BY THE ENGINEER)



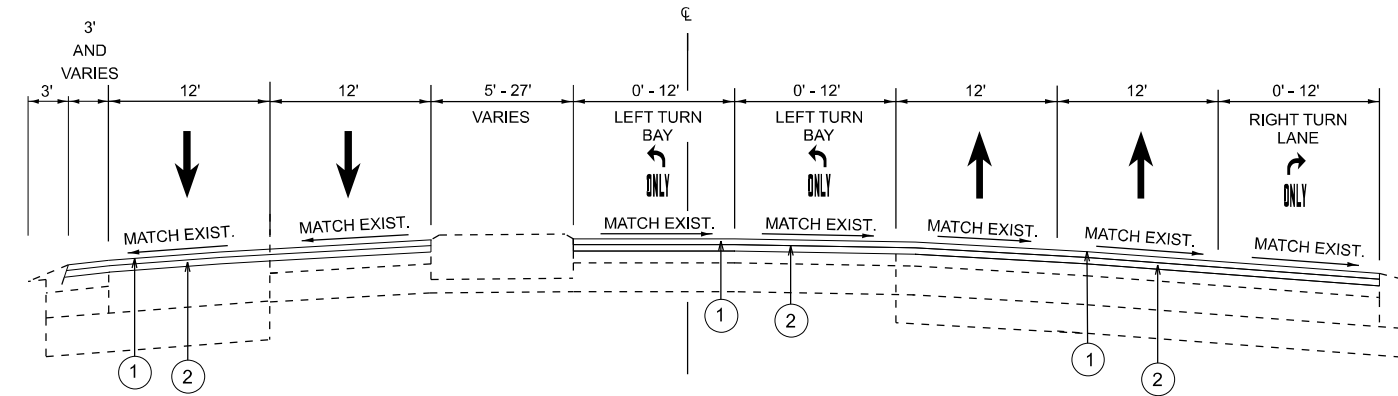
EXISTING TYPICAL CROSS SECTION

STA 91+65 TO STA 104+00



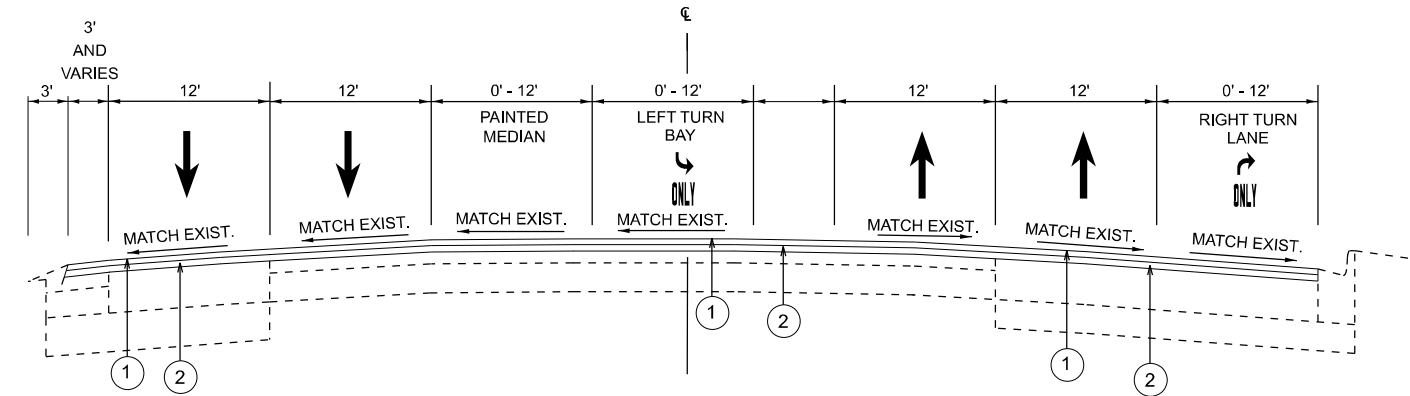
EXISTING TYPICAL CROSS SECTION

STA 104+00 TO STA 109+61



PROPOSED TYPICAL CROSS SECTION

STA 91+65 TO STA 104+00



PROPOSED TYPICAL CROSS SECTION

STA 104+00 TO STA 109+61

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

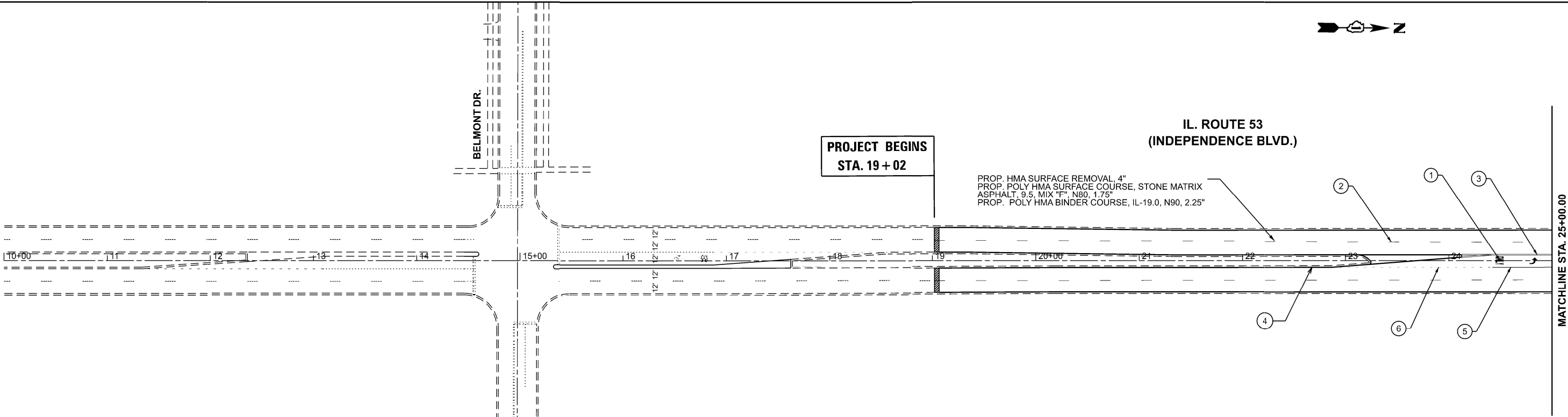
EXISTING AND PROPOSED TYPICAL SECTIONS
ILL 53 (INDEPENDENCE BOULEVARD) (JOLIET ROAD TO BELMONT DRIVE)

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	7
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

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PAVEMENT MARKING LEGEND

- 1) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.)

2) PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP & 10' DASH (TYP.)

3) PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE (TYP.) 2 LINES @ 11" C-C (TYP.)

4) PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE (TYP.)

5) PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)

6) PROP. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE 2'-6" SPACING (TYP.)
- 7) PROP. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)

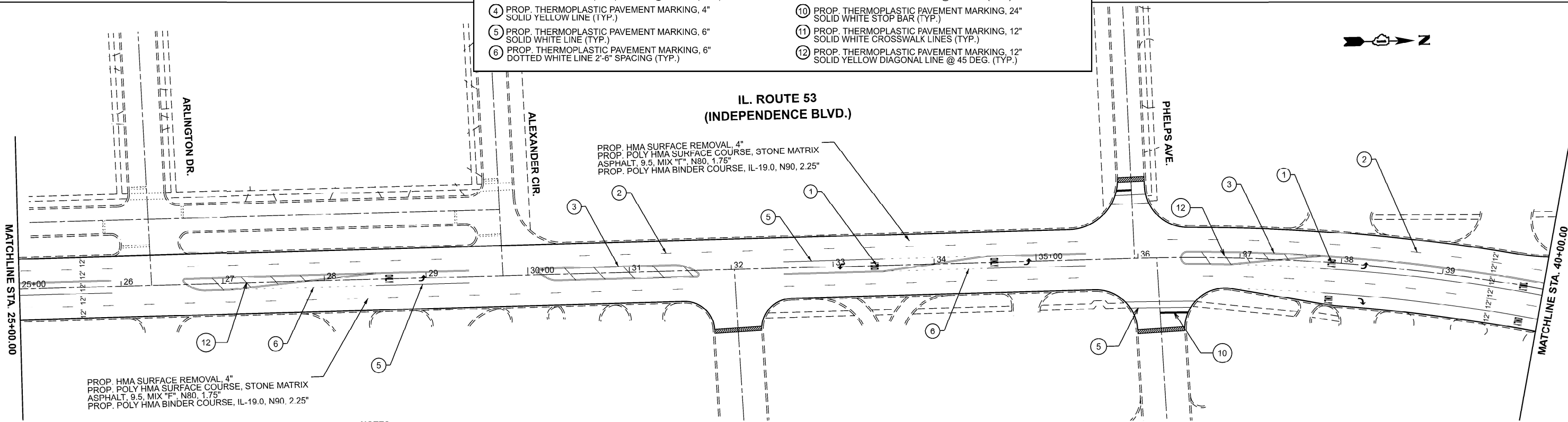
8) PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING @ 45 DEG. (TYP.) shoulders

9) PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING @ 45 DEG. (TYP.) chevrons

10) PROP. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)

11) PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE CROSSWALK LINES (TYP.)

12) PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE @ 45 DEG. (TYP.)



PROP. HMA SURFACE REMOVAL, 4"
PROP. POLY HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1.75"
PROP. POLY HMA BINDER COURSE, IL-19.0, N90, 2.25"

HMA SURFACE REMOVAL - BUTT JOINT, 4.5'

NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.

2) ALL FINAL PAVEMENT MARKINGS SHALL BE THE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 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 RESISTANCE)" STANDARD DETAIL.

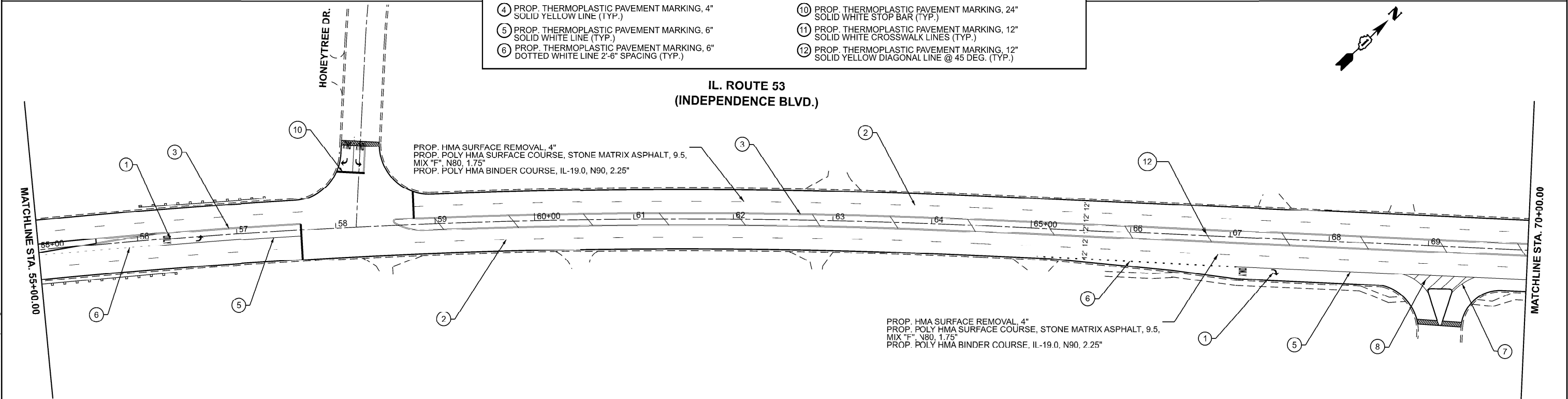
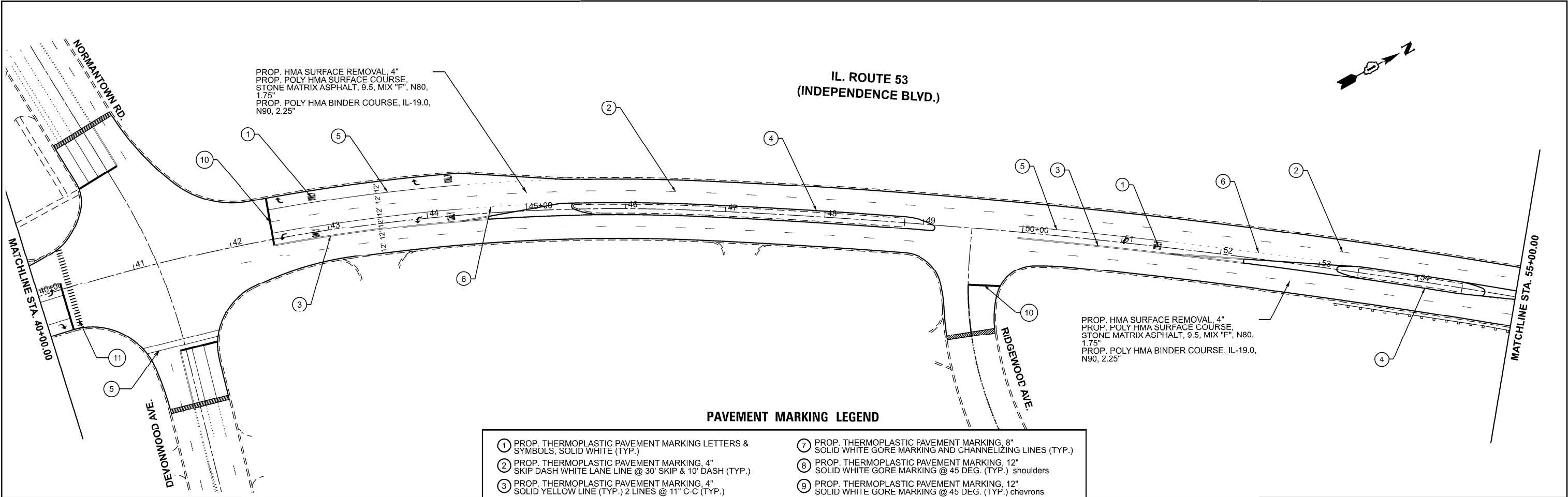
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
ILL 53 (INDEPENDENCE BOULEVARD) (JOLIET ROAD TO BELMONT DRIVE)

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 10+00.00 TO STA. 40+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	8
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

MODEL: EXCL - Plan 3 (Sheet)
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NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).

- 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 RESISTANCE)" STANDARD DETAIL.

 HMA SURFACE REMOVAL - BUTT JOINT. 4.5'

USER NAME = Aya.Elkhailib	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 5/1/2025		

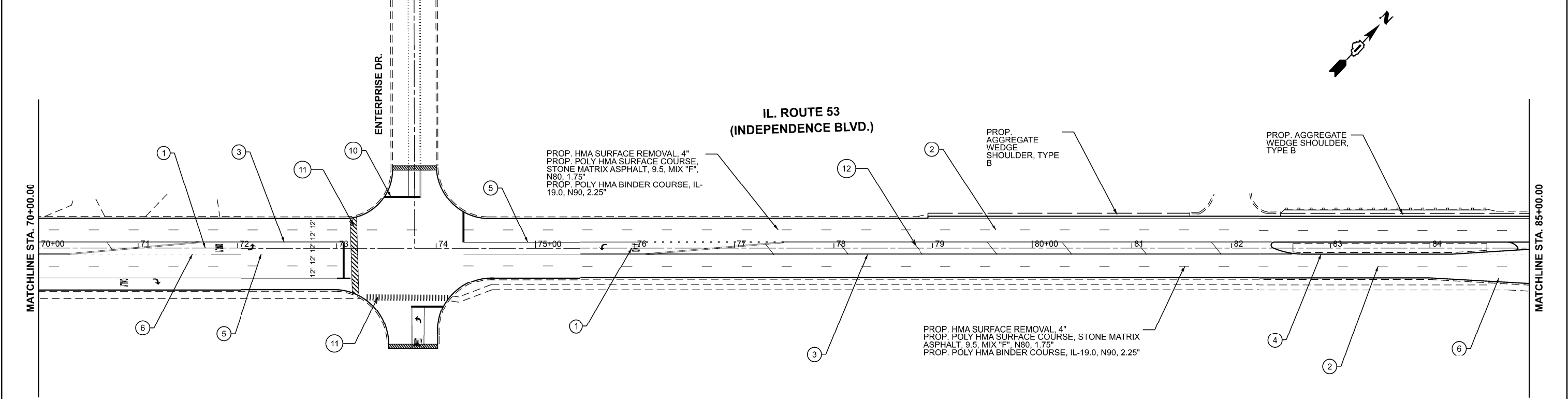
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
ILL 53 (INDEPENDENCE BOULEVARD) (JOLIET ROAD TO BELMONT DRIVE)

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 40+00.00 TO STA. 70+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	9
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

MODEL: EXCL - Plan 5 [Sheet]
FILE NAME: c:\pwworking\delkhalibaj\1044898\0131218.sht-plan.dgn



PAVEMENT MARKING LEGEND

- ① PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.)

② PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP & 10' DASH (TYP.)

③ PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE (TYP.) 2 LINES @ 11" C-C (TYP.)

④ PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE (TYP.)

⑤ PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)

⑥ PROP. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE 2'-6" SPACING (TYP.)
- ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)

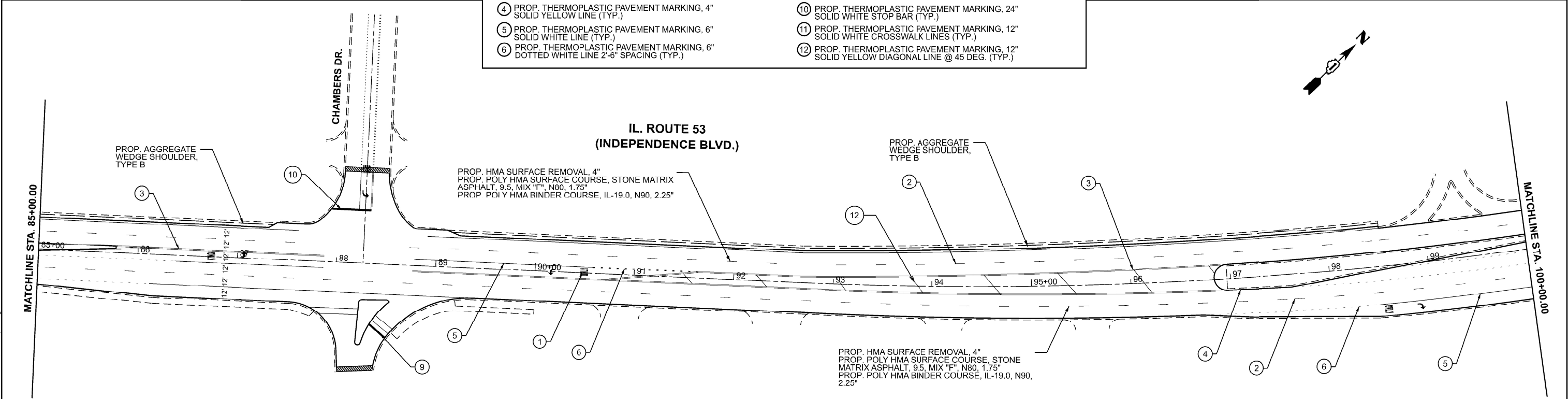
⑧ PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING @ 45 DEG. (TYP.) shoulders

⑨ PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING @ 45 DEG. (TYP.) chevrons

⑩ PROP. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)

⑪ PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE CROSSWALK LINES (TYP.)

⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE @ 45 DEG. (TYP.)



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.

2) ALL FINAL PAVEMENT MARKINGS SHALL BE THE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 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 RESISTANCE)" STANDARD DETAIL.

 HMA SURFACE REMOVAL - BUTT JOINT, 4.5'

	USER NAME	= Aya.Elkhailib	DESIGNED	-	REVISED	-
	DRAWN	-	REVIS	-	REVISED	-
	CHECKED	-	REVIS	-	REVISED	-
	PLOT DATE	= 5/1/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

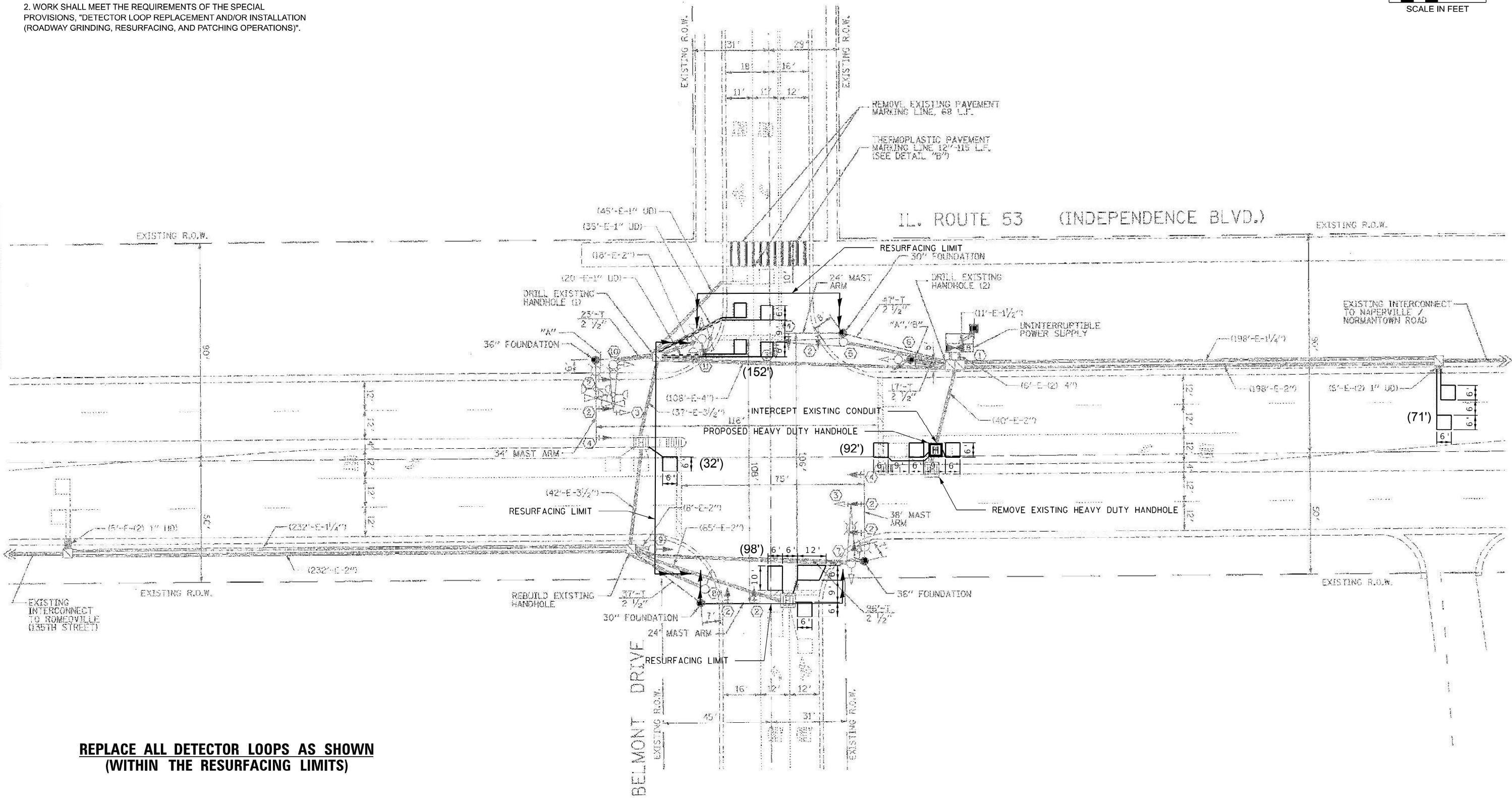
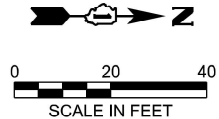
ROADWAY AND PAVEMENT MARKING PLANS
ILL 53 (INDEPENDENCE BOULEVARD) (JOLIET ROAD TO BELMONT DRIVE)

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 70+00.00 TO STA. 100+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	10
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

NOTES:

1. THIS PLAN IS FOR THE REMOVAL OF HANDHOLES, INSTALLATION OF HANDHOLES, AND DETECTOR LOOP REPLACEMENT.
2. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS)".



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

CODE	ITEM	QUANTITY	UNIT
81400200	HEAVY DUTY HANDHOLE	1	EACH
88600600	DETECTOR LOOP REPLACEMENT	445	FOOT
89502380	REMOVE HANDHOLE	1	EACH
X8100863	INTERCEPT EXISTING CONDUIT	1	EACH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 53 AND BELMONT DRIVE

TS 9115
ECON 139

USER NAME = Becca Coan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
DATE = 2/20/2025	DATE -	REVISED -

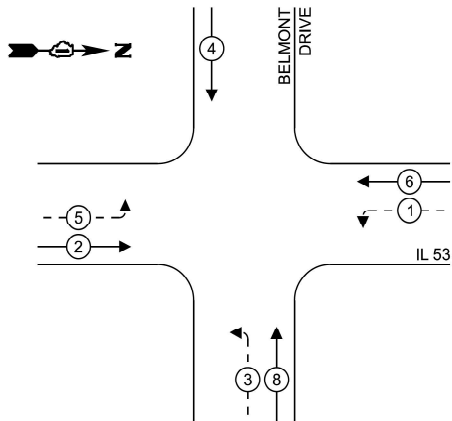
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	12
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

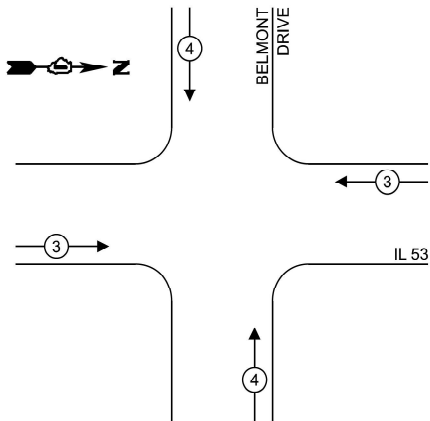
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EXISTING/PROPOSED
CONTROLLER SEQUENCE



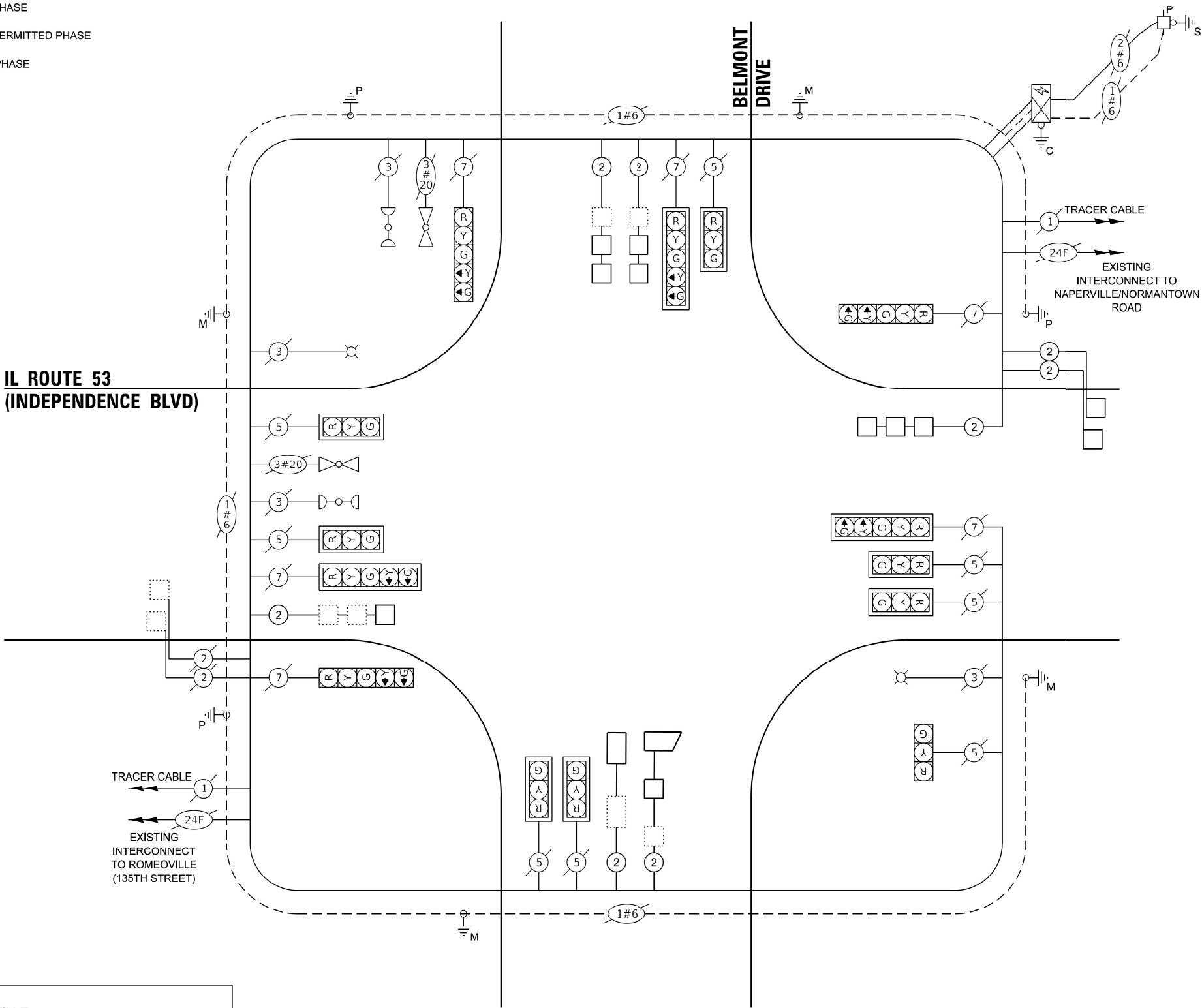
EXISTING/PROPOSED
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

IL ROUTE 53
(INDEPENDENCE BLVD)



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	6	14	84
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		347	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	2	240	480
TOTAL SERVICE WIRE SIZING		1,432	

ENERGY COSTS TO:

VILLAGE OF ROMEOVILLE
13 MONTROSE DRIVE
ROMEOVILLE, IL 60446

ENERGY SUPPLY:

CONTACT: ---

PHONE: ---

COMPANY: ---

ACCOUNT NUMBER: ---

METER NUMBER: ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
IL 53 AND BELMONT DRIVE

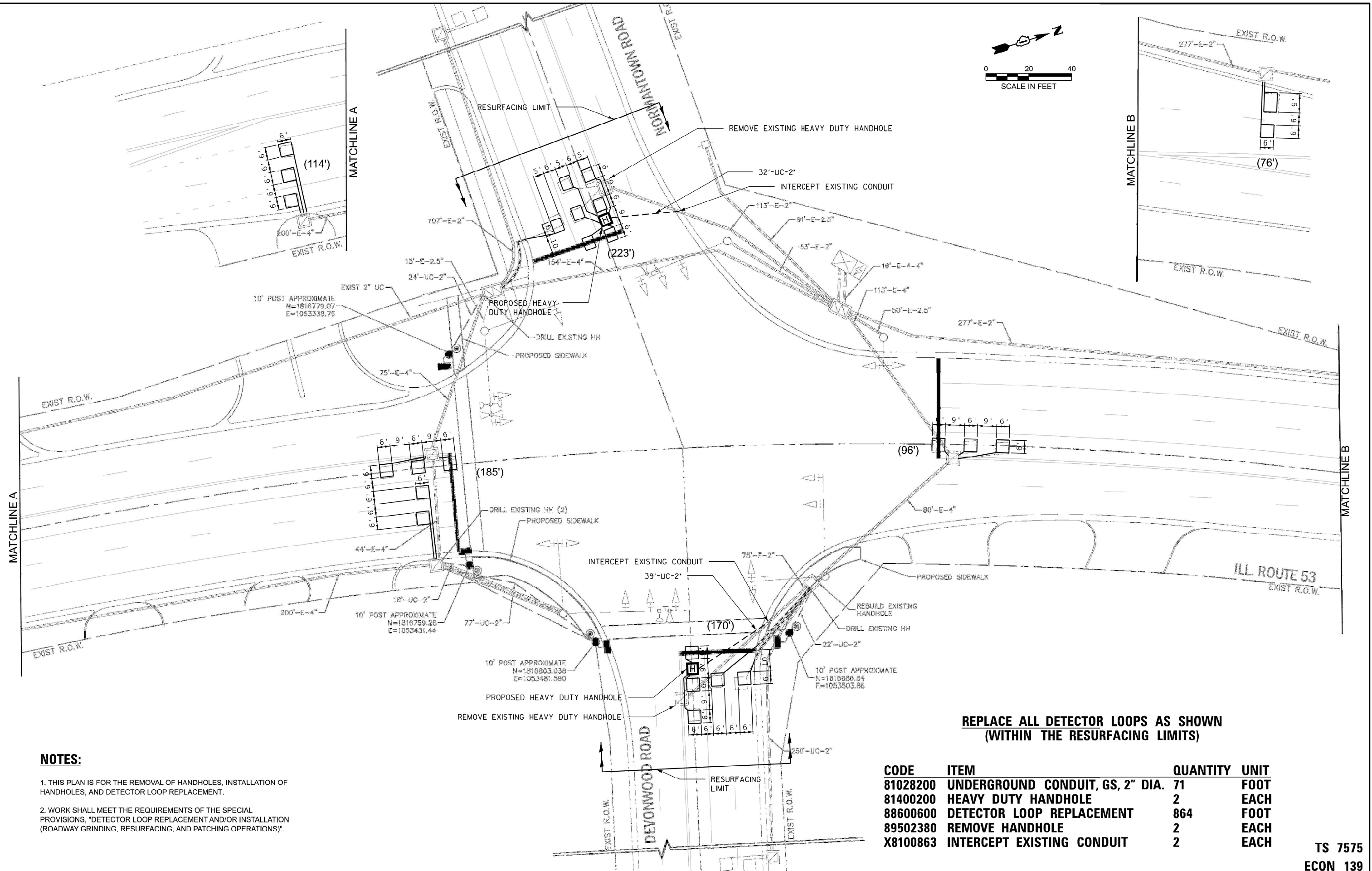
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	13
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

TS 9115
ECON 139

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MODEL: Default
FILE NAME: c:\pwwork\work\becca.coan@illinois.gov\104486\131718-sh4603.dgn



NOTES:

1. THIS PLAN IS FOR THE REMOVAL OF HANDHOLES, INSTALLATION OF HANDHOLES, AND DETECTOR LOOP REPLACEMENT.
2. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS)".

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 53 AND NORMANTOWN ROAD

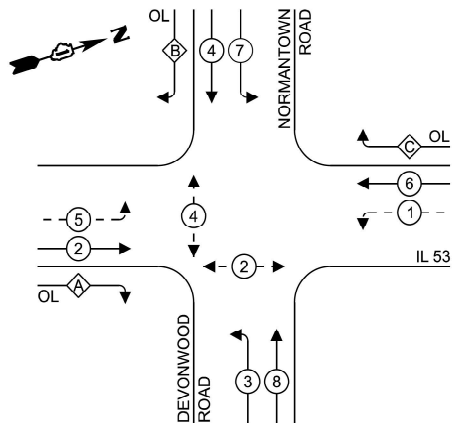
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	14
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

TS 7575
ECON 139



EXISTING/PROPOSED
CONTROLLER SEQUENCE



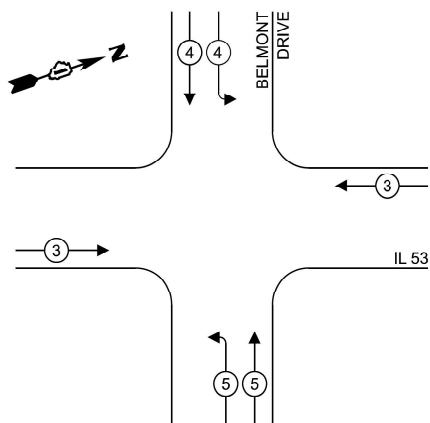
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7

EXISTING/PROPOSED
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

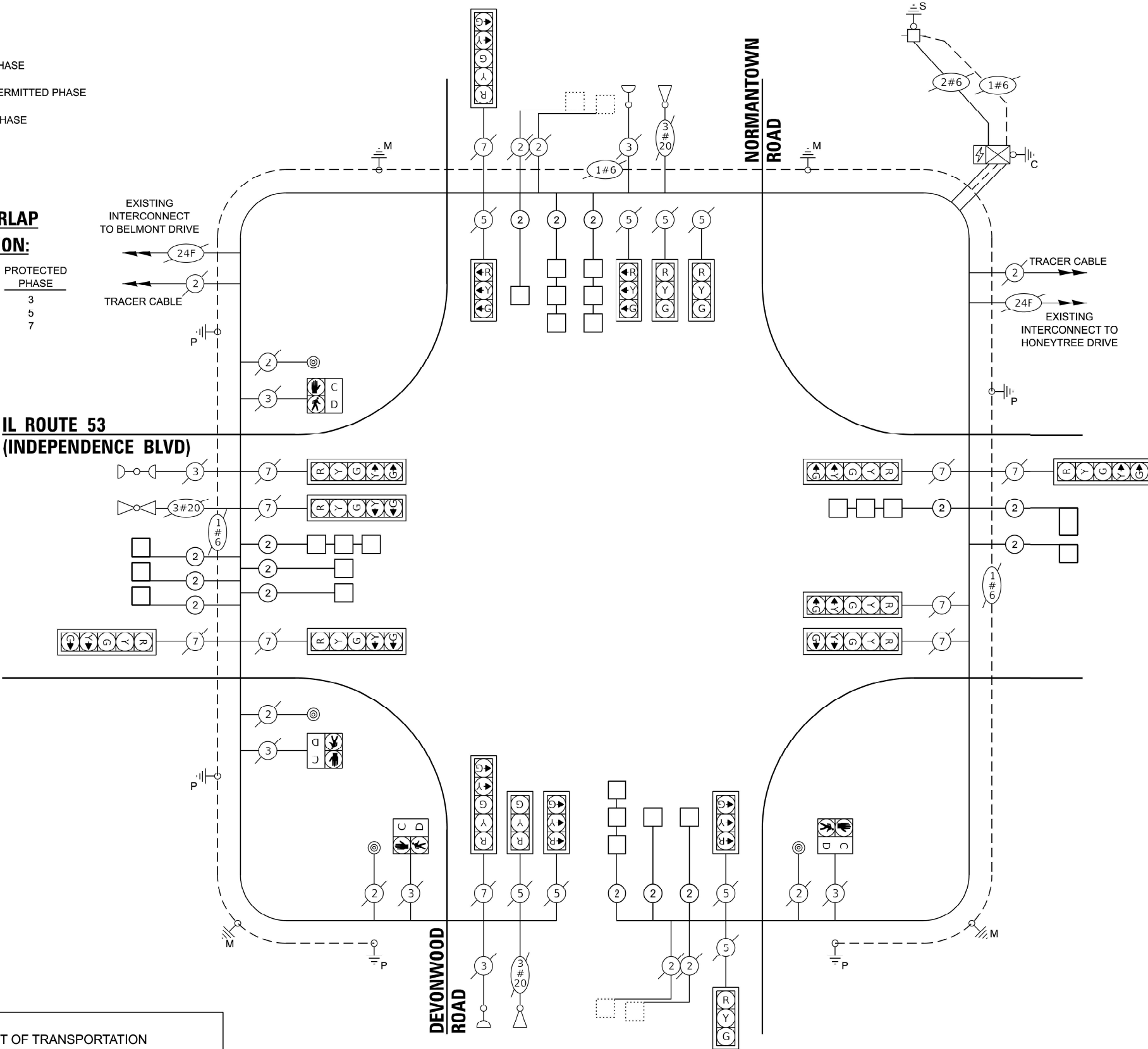
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	10	14	140
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			463
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,068

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER CT., SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: LASHAWN LAO
PHONE: (708) 235-2346
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 00610-33001
METER NUMBER: ---

IL ROUTE 53
(INDEPENDENCE BLVD)



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
IL 53 AND NORMANTOWN ROAD

SCALE: NTS SHEET OF SHEETS STA. TO STA.

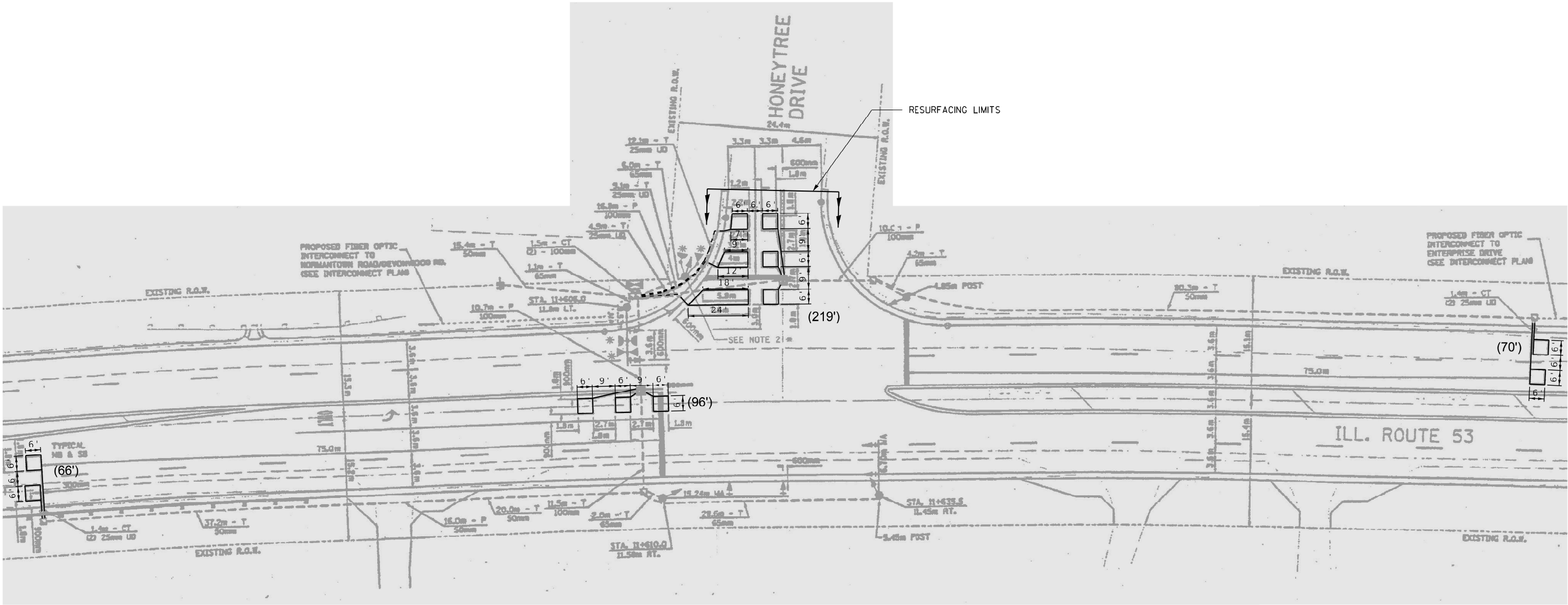
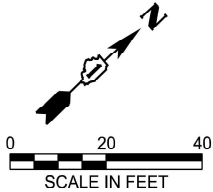
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	15
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

TS 7575
ECON 139

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NOTES:

1. THIS PLAN IS FOR THE DETECTOR LOOP REPLACEMENT.
2. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS)".



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

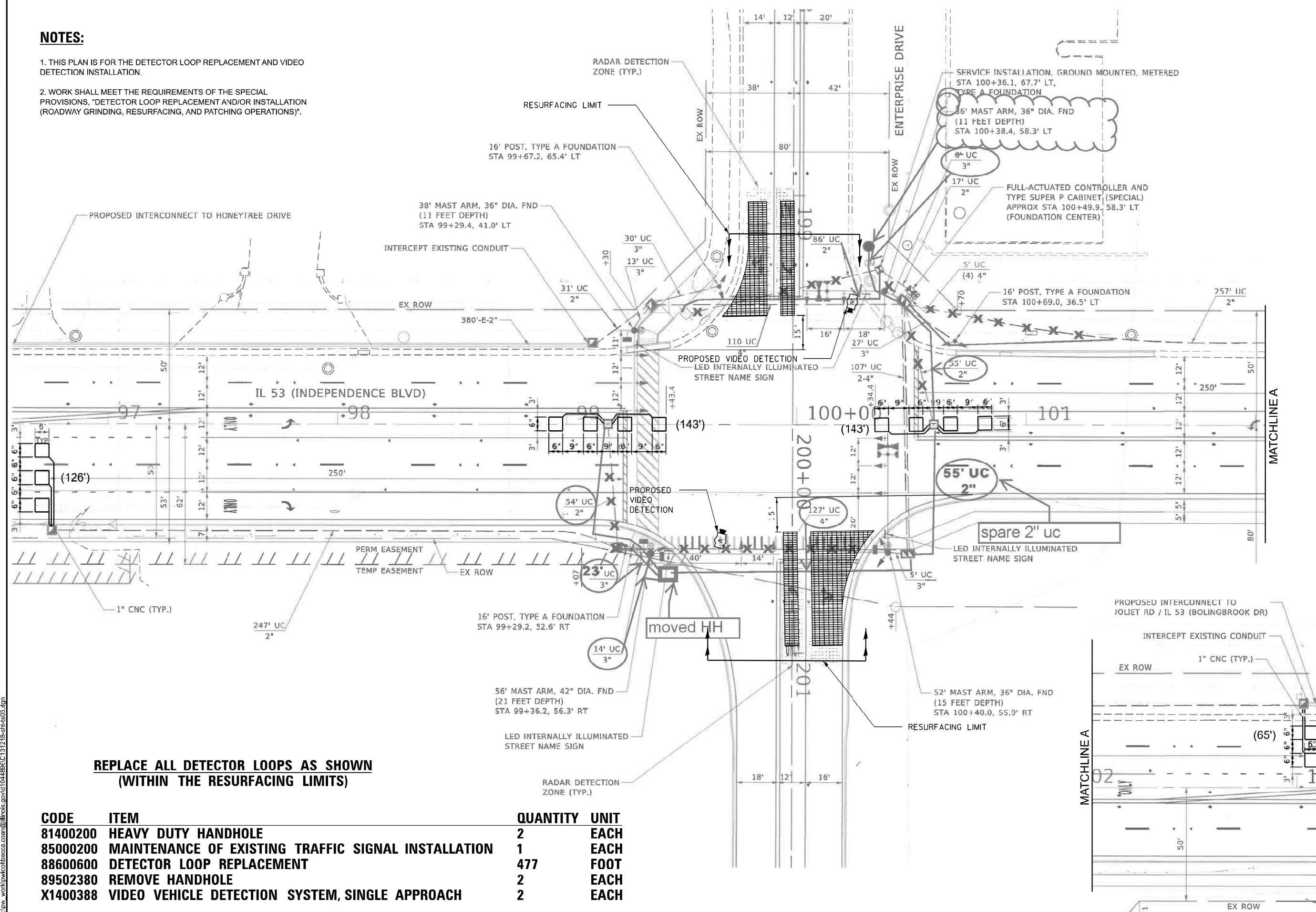
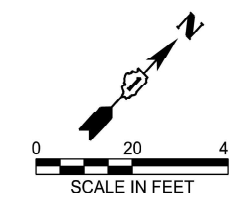
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	451	FOOT

TS 7859
ECON 139

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	USER NAME = Becca.Coan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 53 AND HONEYTREE DRIVE				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						112	2018-039-RS	WILL	32	16
		CHECKED -	REVISED -						CONTRACT NO. 62G52				
	PLOT DATE = 2/20/2025	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.				

1. THIS PLAN IS FOR THE DETECTOR LOOP REPLACEMENT AND VIDEO DETECTION INSTALLATION.
2. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS)".



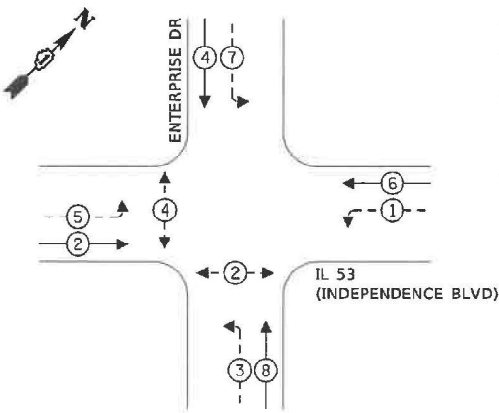
CODE	ITEM	QUANTITY	UNIT
81400200	HEAVY DUTY HANDHOLE	2	EACH
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
88600600	DETECTOR LOOP REPLACEMENT	477	FOOT
89502380	REMOVE HANDHOLE	2	EACH
X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	2	EACH

TS 7866
ECON 139

USER NAME = Becca,Coan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 53 AND ENTERPRISE DRIVE	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -			112	2018-039-RS	WILL	32	17
	CHECKED -	REVISED -			CONTRACT NO. 62G52				
PLOT DATE = 2/20/2025	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.

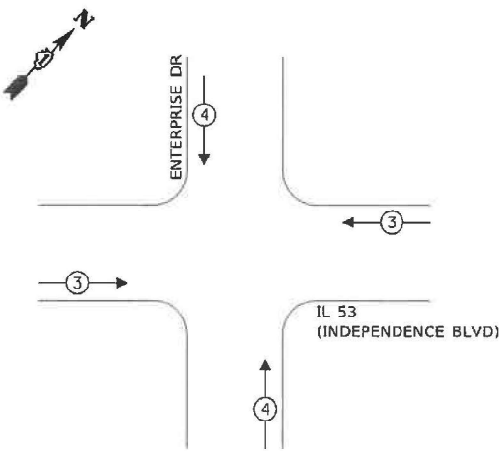
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PROPOSED CONTROLLER SEQUENCE



- LEGEND:**
- ← (⊙) → PROTECTED PHASE
 - ← (⊙) - - PROTECTED/PERMITTED PHASE
 - ← (⊙) → PEDESTRIAN PHASE
 - ← (⊙) → OL OVERLAP

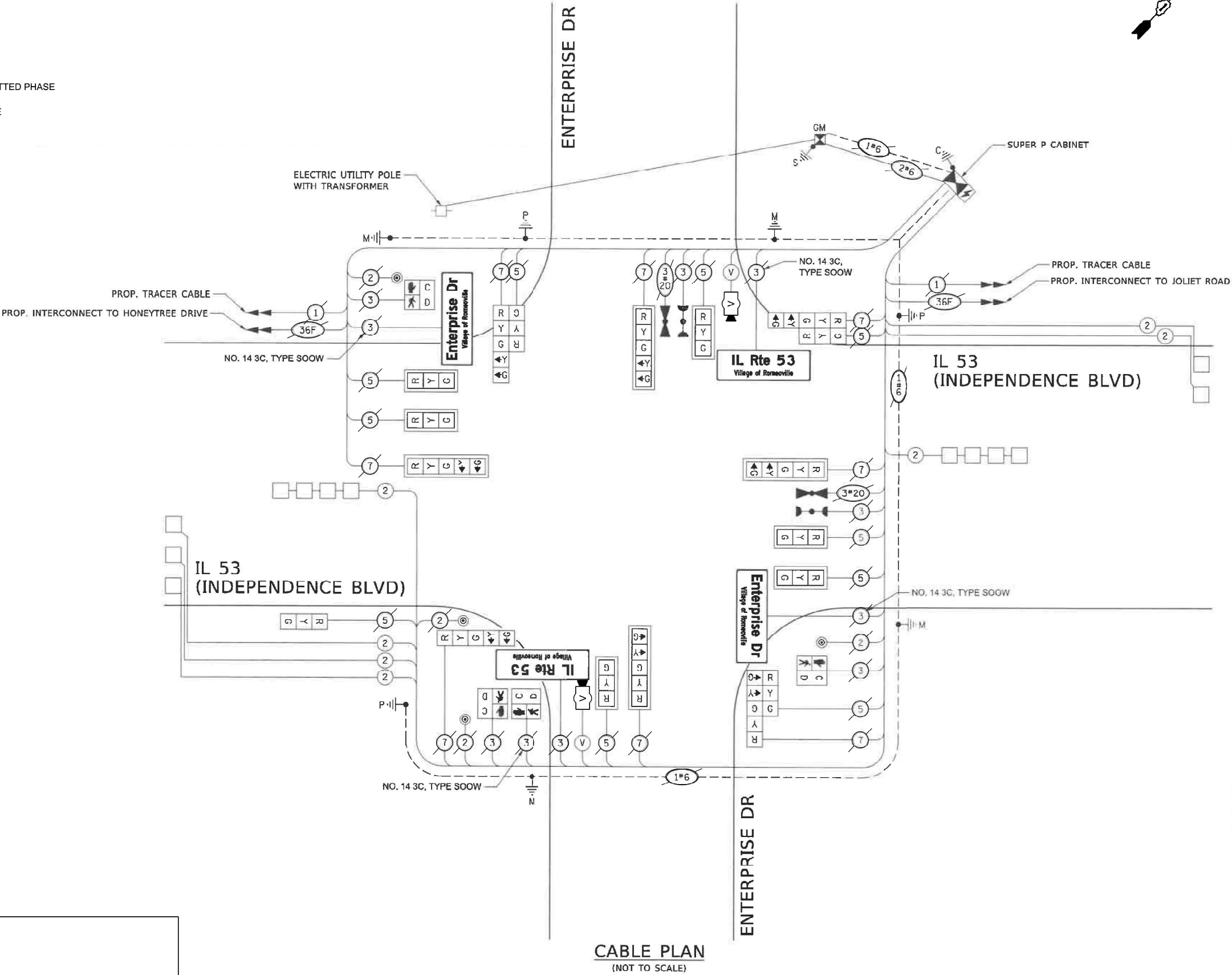
PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	-	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		489	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1,574	

ENERGY COSTS TO:	
VILLAGE OF ROMEOVILLE	
1050 W. ROMEO ROAD	
ROMEOVILLE, IL 60446	
ENERGY SUPPLY:	CONTACT: TONY COX
	PHONE: (815) 724-5010
	COMPANY: COMED
ACCOUNT NUMBER:	00610-33001
METER NUMBER:	---



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
IL 53 AND ENTERPRISE DRIVE

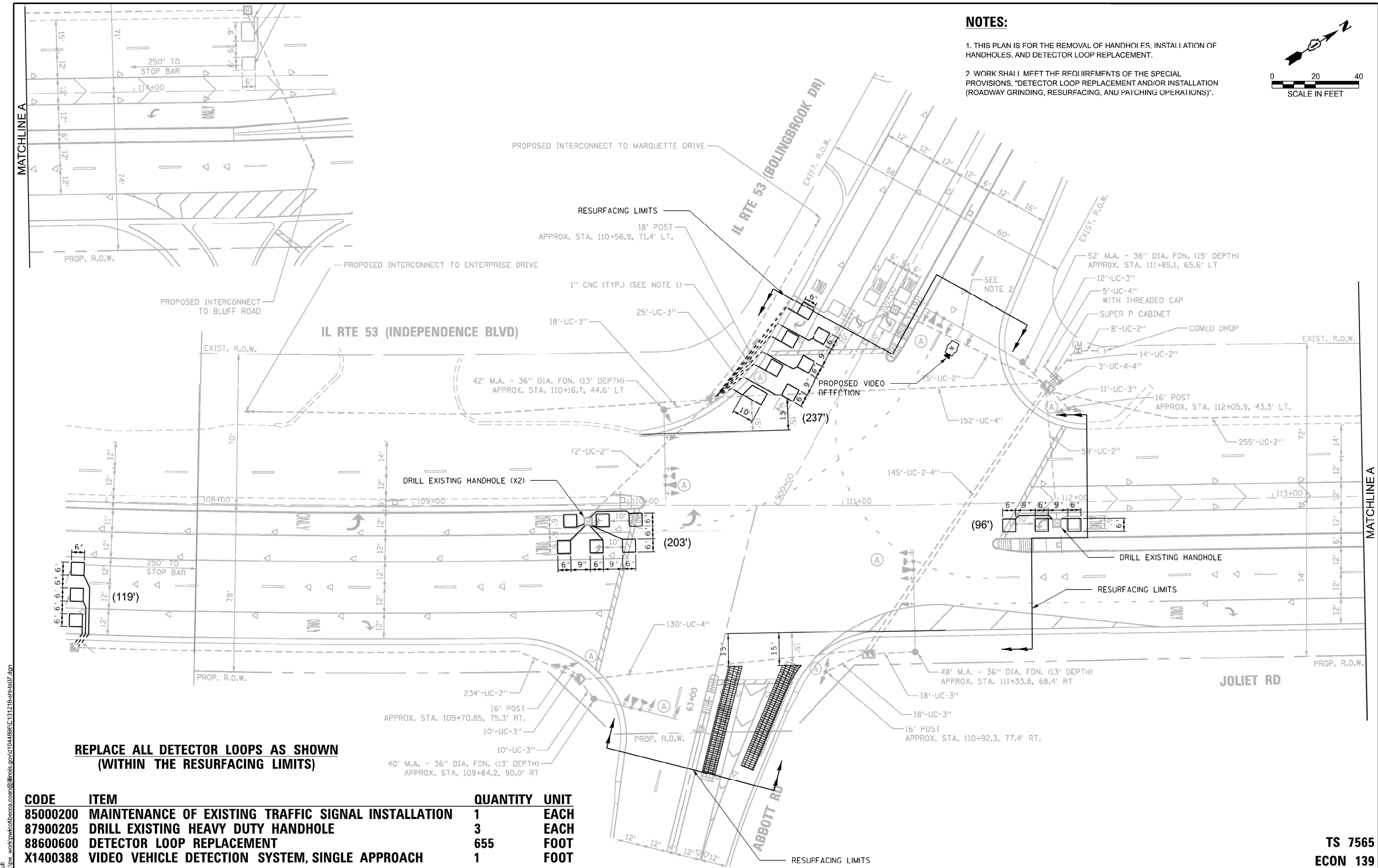
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	18
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

TS 7866
ECON 139

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NOTES:

1. THIS PLAN IS FOR THE REMOVAL OF HANDHOLES, INSTALLATION OF HANDHOLES, AND DETECTOR LOOP REPLACEMENT.

2. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS)".

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

CODE	ITEM	QUANTITY	UNIT
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	3	EACH
88600600	DETECTOR LOOP REPLACEMENT	655	FOOT
X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	1	FOOT

USER NAME = Becca.Coan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/20/2025	DATE -	REVISED -

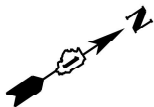
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
INDEPENDENCE BLVD (IL 53) AND BOLINGBROOK DRIVE (IL 53)

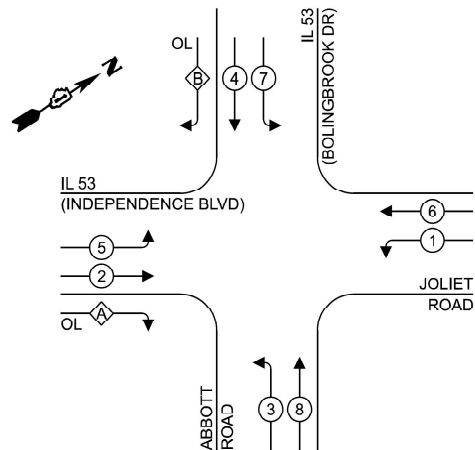
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	19
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

TS 7565
ECON 139



**EXISTING/PROPOSED
CONTROLLER SEQUENCE**



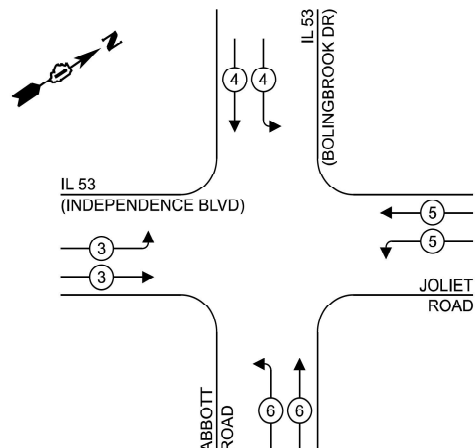
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

**RIGHT TURN OVERLAP
PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5

**EXISTING/PROPOSED
EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

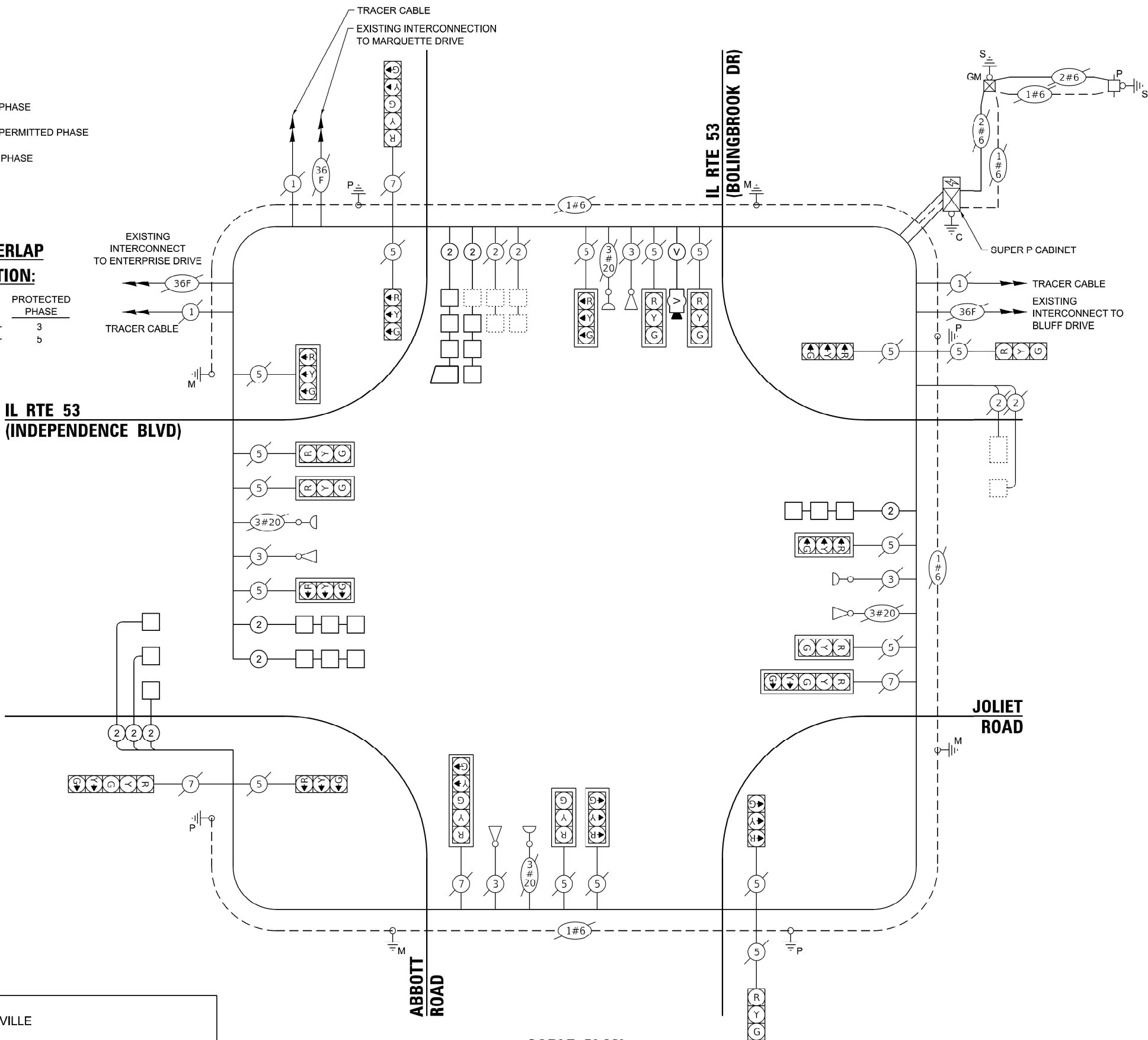
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	17	11	187
4-SECTION	4	14	56
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	-	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING		488	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1,093	

ENERGY COSTS TO:

VILLAGE OF ROMEOVILLE
1050 W. ROMEO ROAD
ROMEOVILLE, IL 60446

ENERGY SUPPLY: CONTACT: ZACH KYROUAC
PHONE: (815) 724-5970
COMPANY: COMED
ACCOUNT NUMBER: ---
METER NUMBER: ---

IL RTE 53
(INDEPENDENCE BLVD)



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

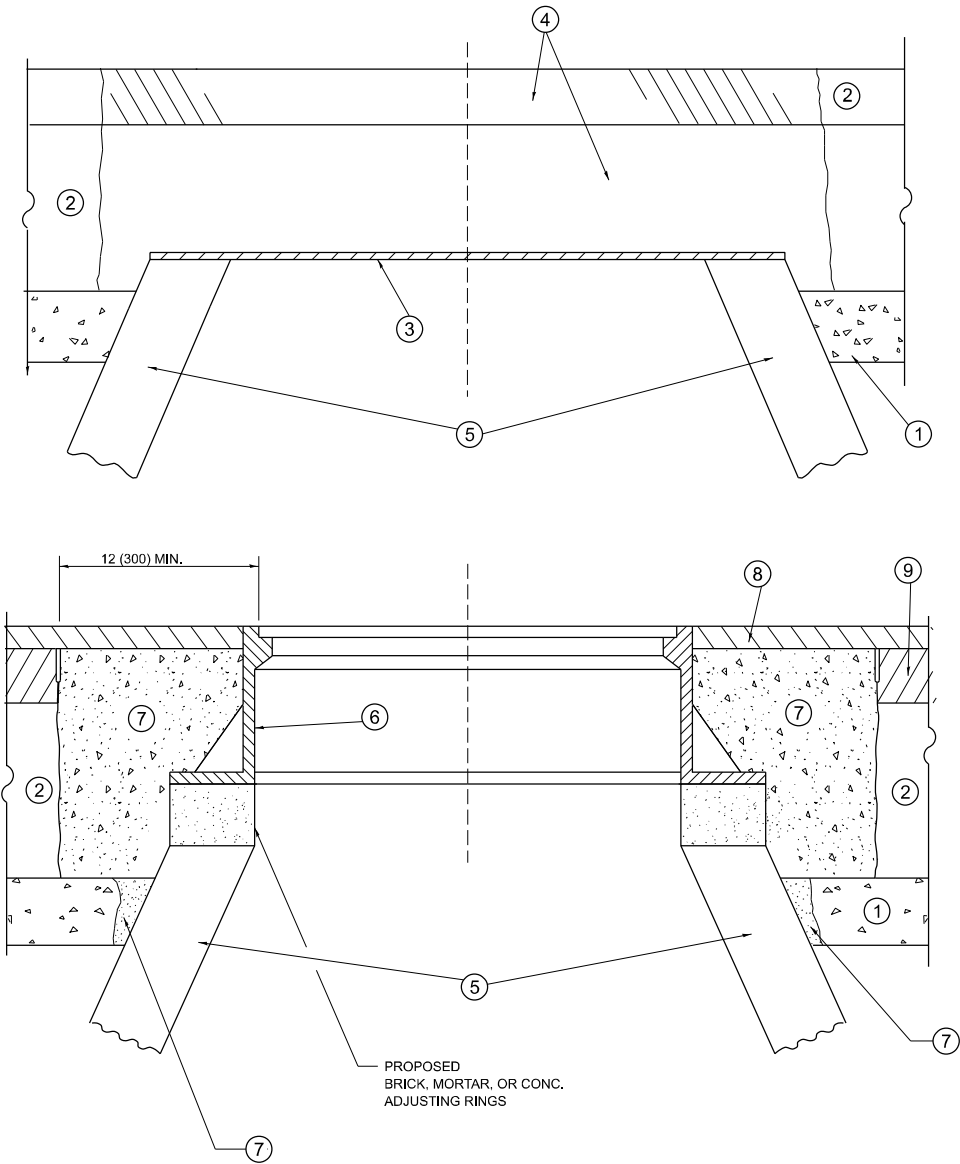
CABLE PLAN
INDEPENDENCE BLVD (IL 53) AND BOLINGBROOK DRIVE (IL 53)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	20
CONTRACT NO. 62G52				
ILLINOIS FED. AID PROJECT				

TS 7565
ECON 139

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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- 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)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- 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

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

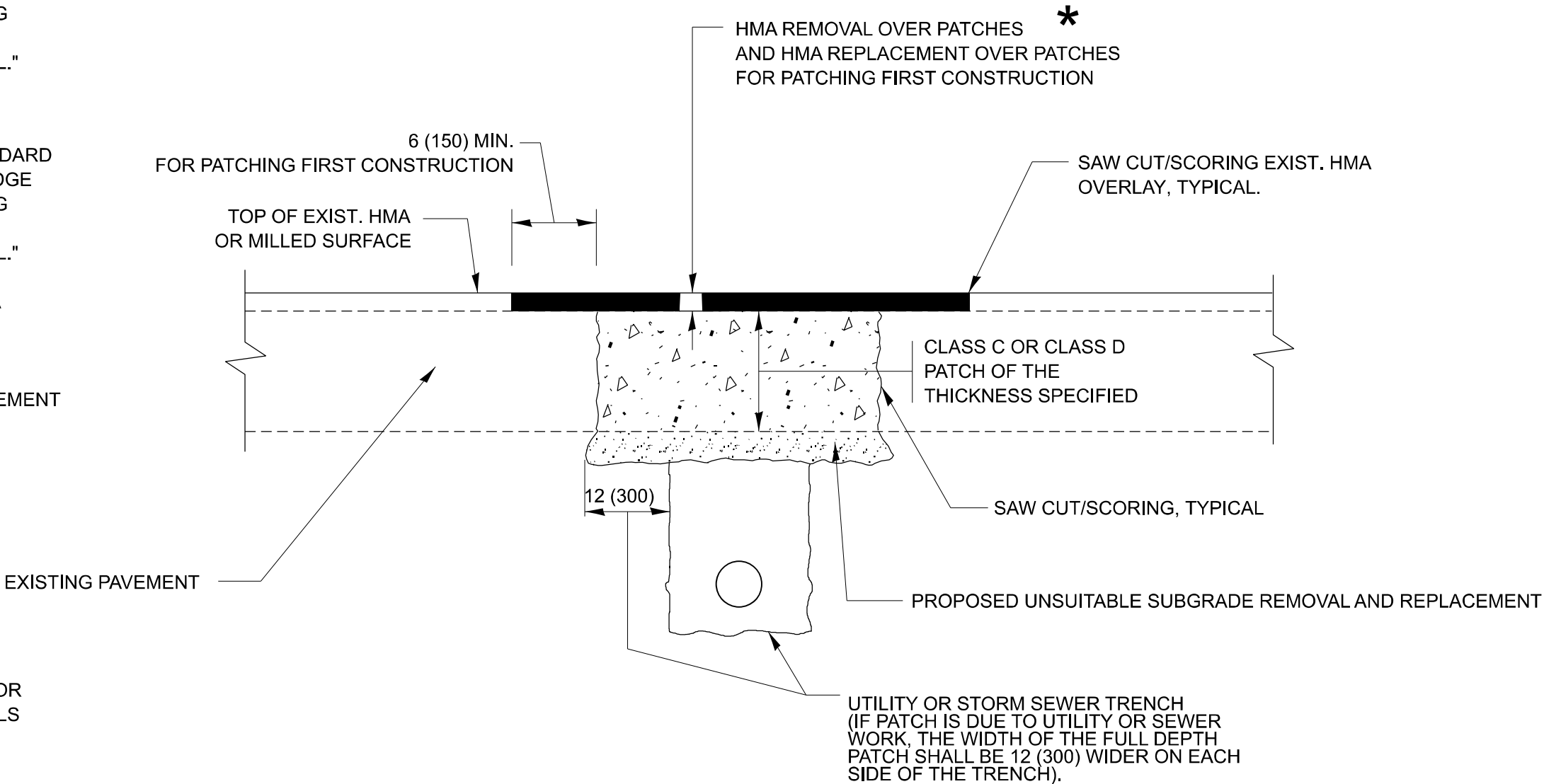
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		DRAWN -	REVISED - R. BORO 12-06-11					112	2018-039-RS	WILL	32	21
		CHECKED -	REVISED - K. SMITH 11-18-22		BD600-03 (BD-08)			CONTRACT NO. 62G52				
	PLOT DATE = 3/11/2025	DATE - 10-25-94	REVISED - K. SMITH 09-15-23		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	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.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

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)

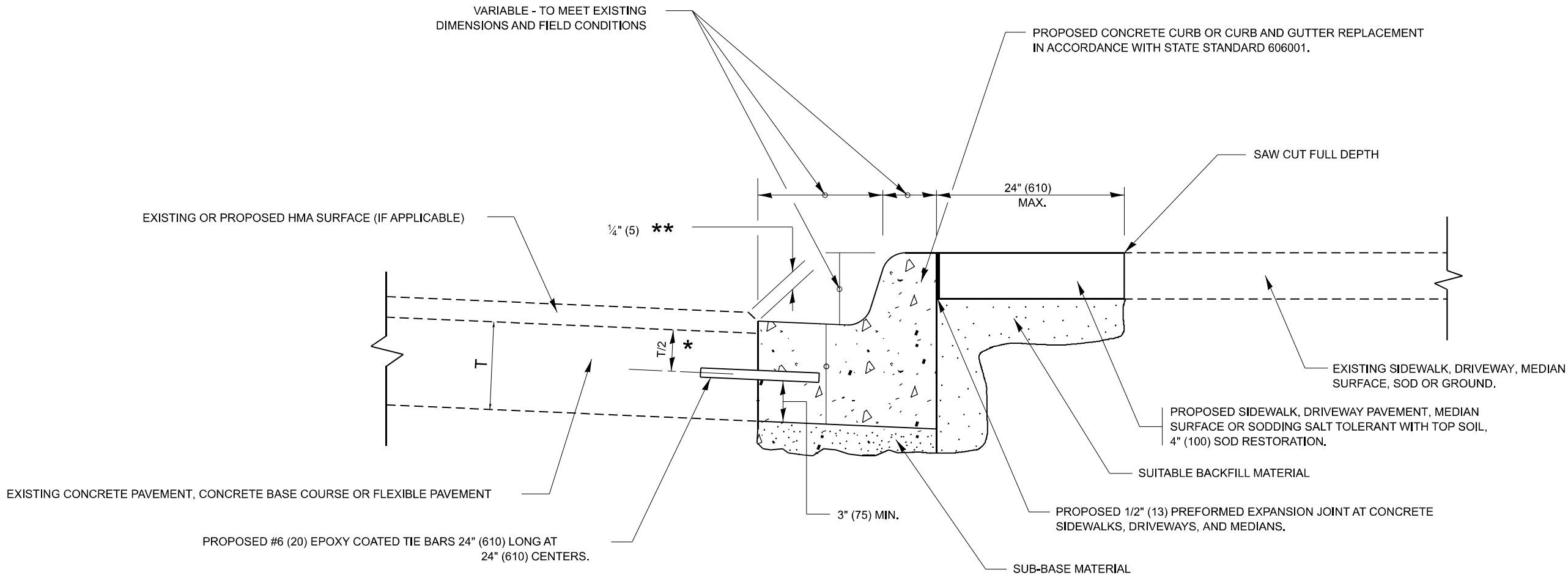
- 1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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	USER NAME = Aya.Elkhali	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-04-07						112	2018-039-RS	WILL	32	22
		CHECKED -	REVISED - K. ENG 10-27-08						BD400-04 (BD-22)		CONTRACT NO. 62G52		
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					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.			

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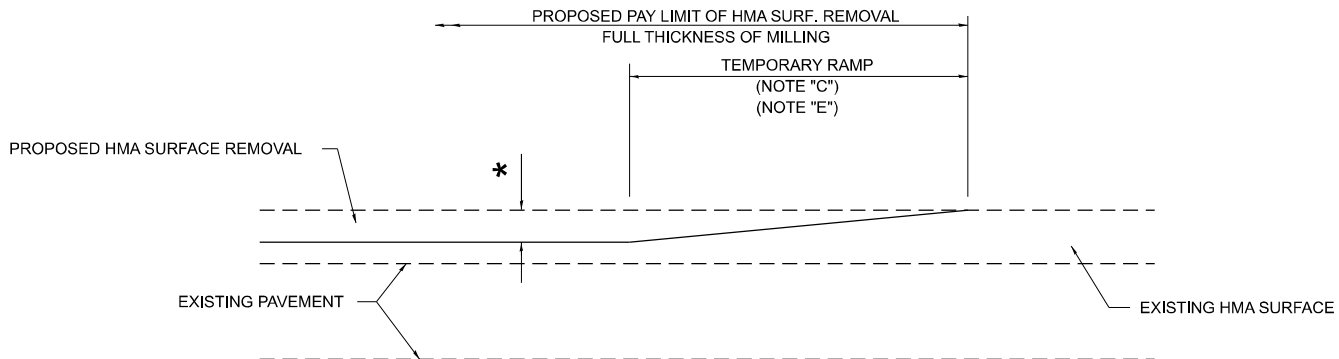


- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

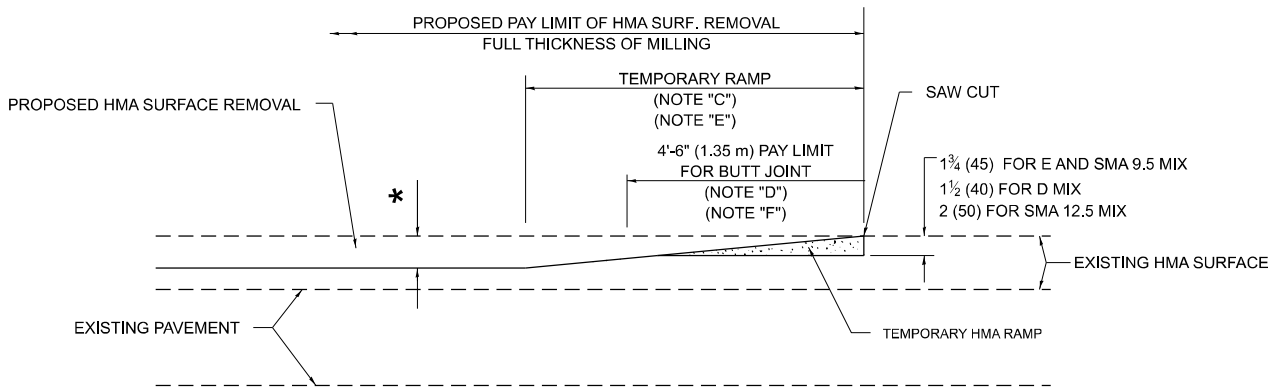
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

	USER NAME = Aya.Elkhalti	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED - R. BORO 12-15-09		BD600-06 (BD-24)			CONTRACT NO. 62G52				
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MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

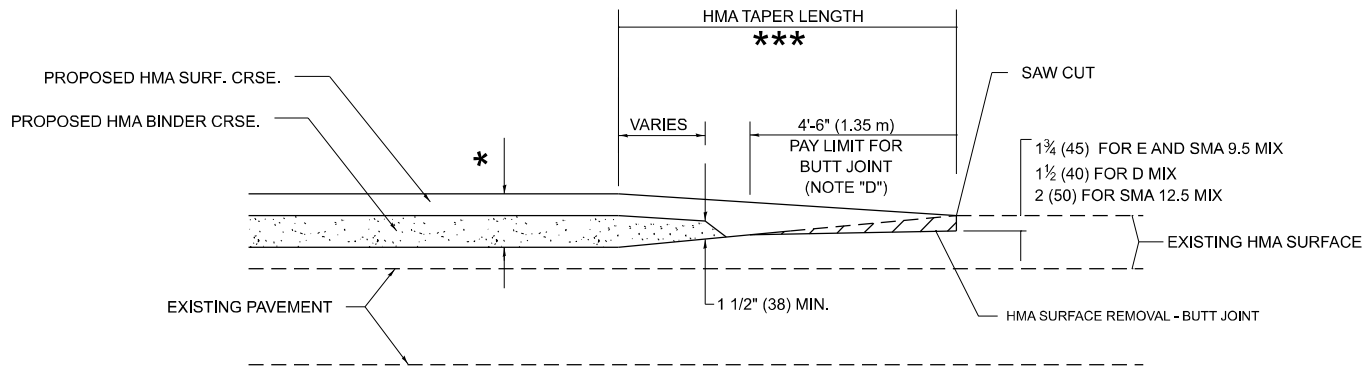
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

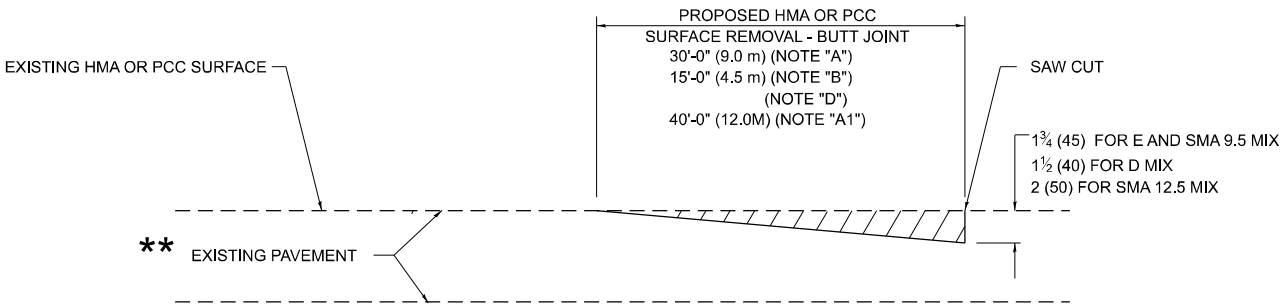
OPTION 2

TYPICAL TEMPORARY RAMP

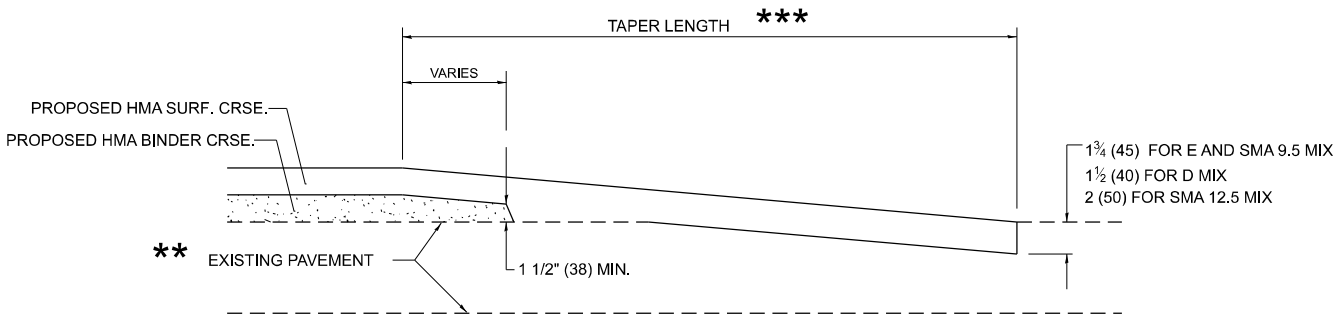


**BUTT JOINT AND
HMA TAPER**

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



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.

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

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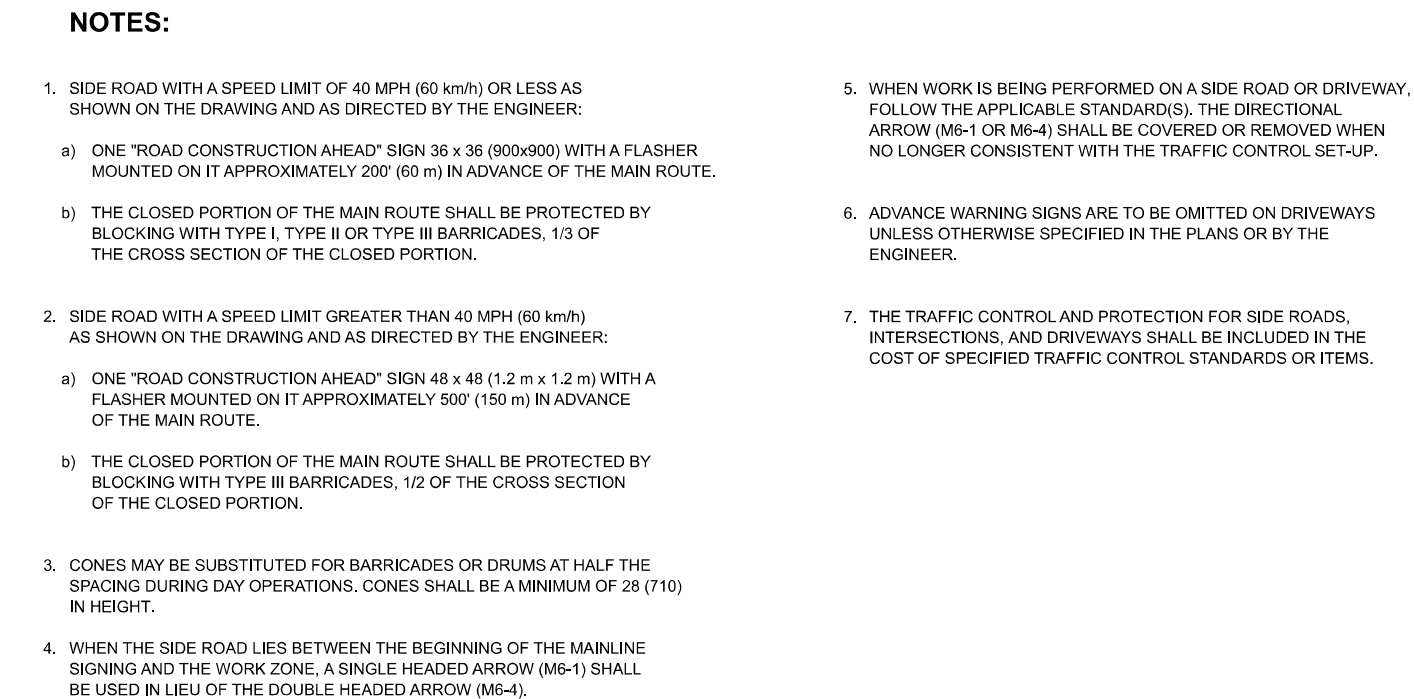
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	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 3/11/2025	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND
HMA TAPER DETAILS**

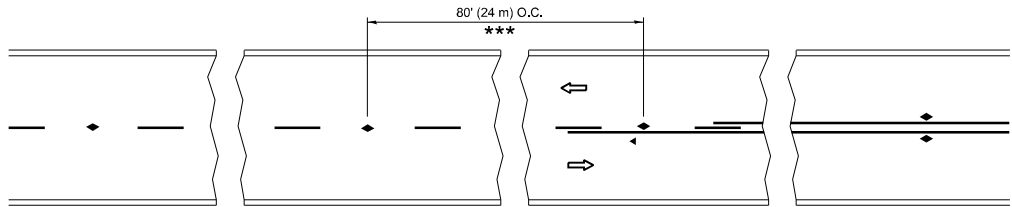
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-05 BD-32		CONTRACT NO. 62G52		
		ILLINOIS	FED. AID PROJECT	



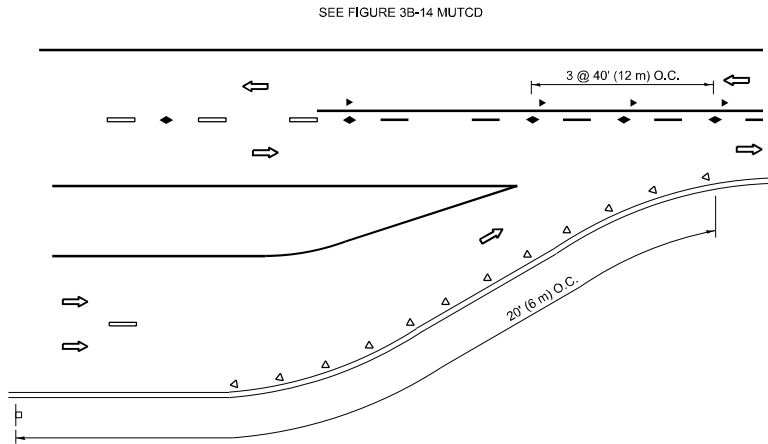
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	USER NAME = Aya.Elkhailb	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/11/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-24		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

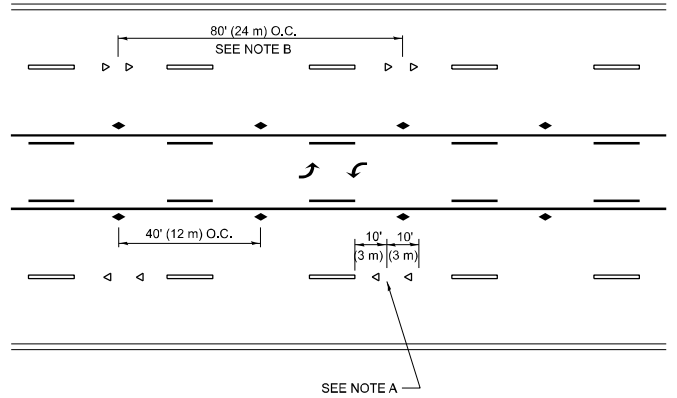


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

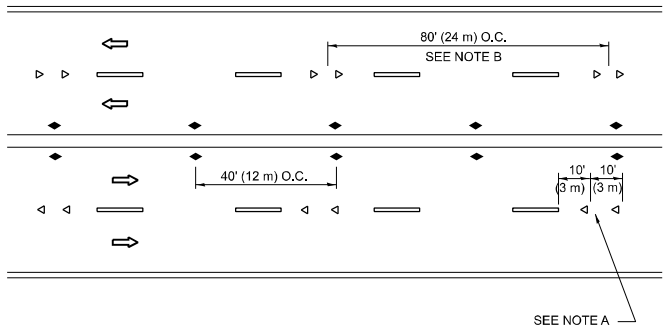
TWO-LANE/TWO-WAY



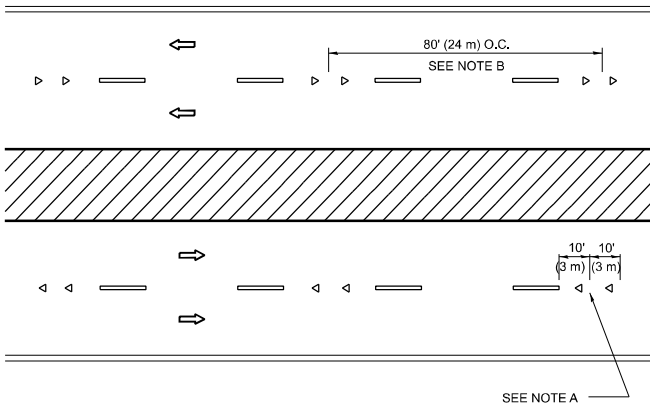
LANE REDUCTION TRANSITION



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

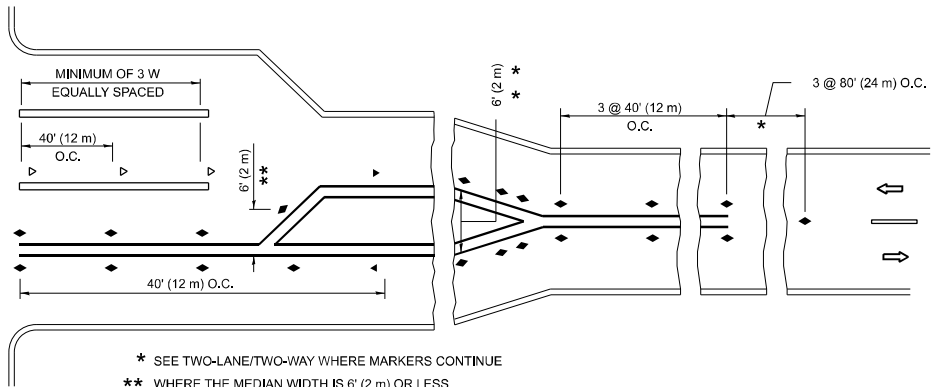
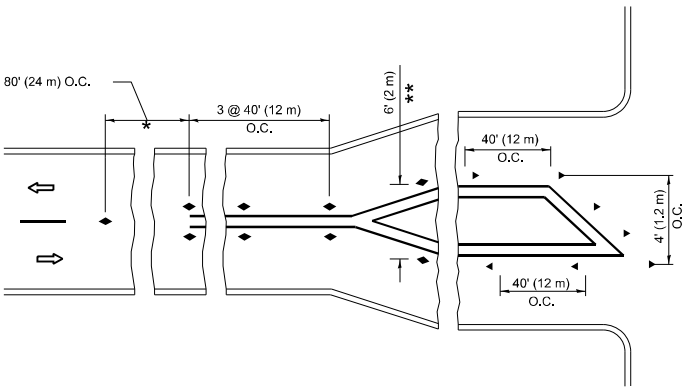
- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

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.



TURN LANES

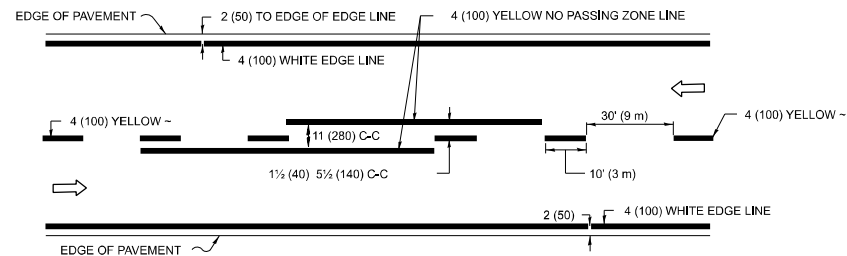
All dimensions are in inches (millimeters) unless otherwise shown.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

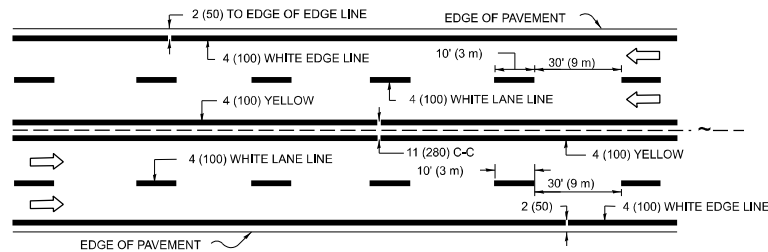
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

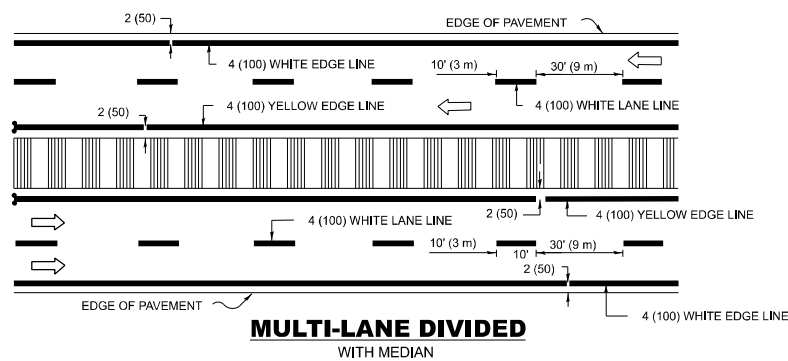
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	26
TC-11		CONTRACT NO. 62G52		
ILLINOIS		FED. AID PROJECT		



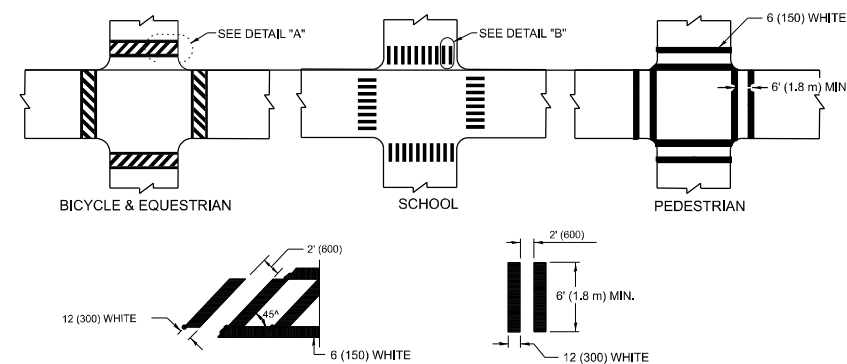
2-LANE ROADWAY



MULTI-LANE UNDIVIDED



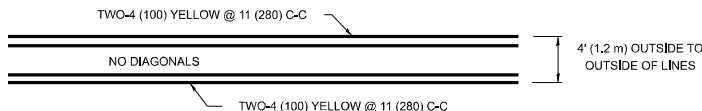
TYPICAL LANE AND EDGE LINE MARKING



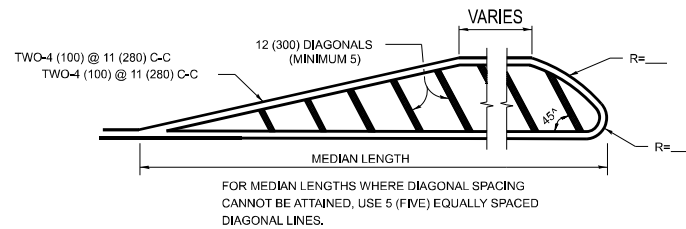
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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

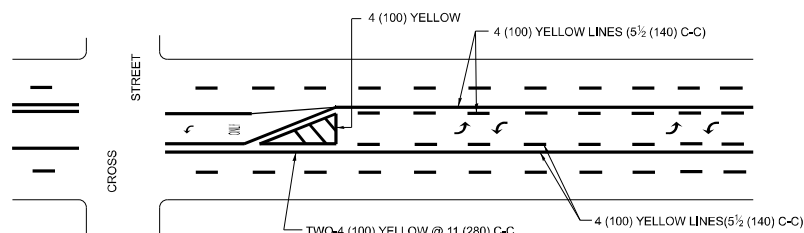


4' (1.2 m) WIDE MEDIANS ONLY

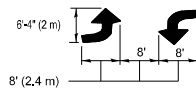


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

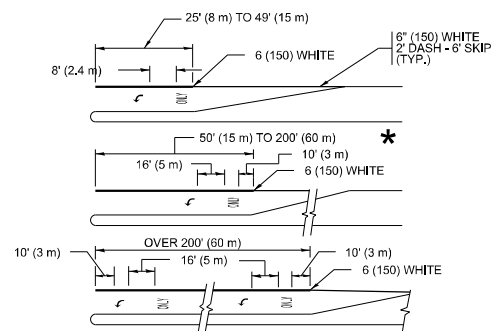
MEDIANS OVER 4' (1.2 m) WIDE



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

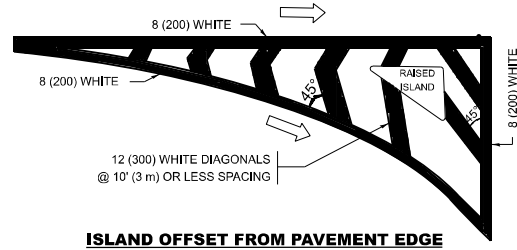


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.

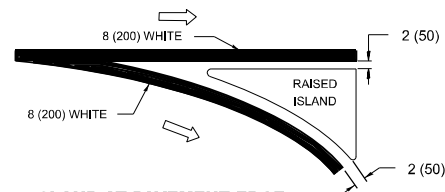
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

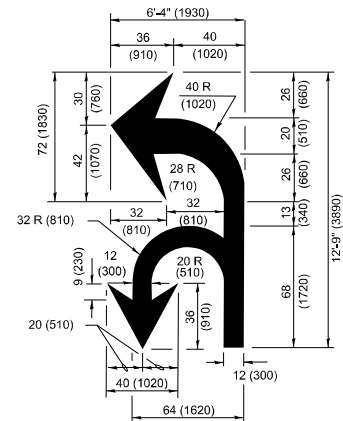


ISLAND OFFSET FROM PAVEMENT EDGE

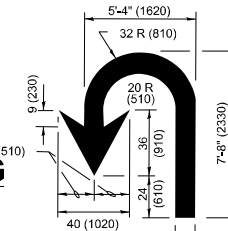


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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



TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FOR 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: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL.	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL.	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION AND STATE STANDARD 780001.

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

USER NAME = Aya,Elkhalib	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/11/2025	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

<div style="text-align: center;"> DISTRICT ONE TYPICAL PAVEMENT MARKINGS </div>					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					112	2018-039-RS	WILL	32	27
					TC-13		CONTRACT NO. 62G52		
					ILLINOIS		FED. AID PROJECT		
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.				

MODEL: Untitled-6 [Sheet]
FILE NAME: c:\pw_ work\pwidotelkhatiba\ld1044896\D131218-sht-DistSids.dgn

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

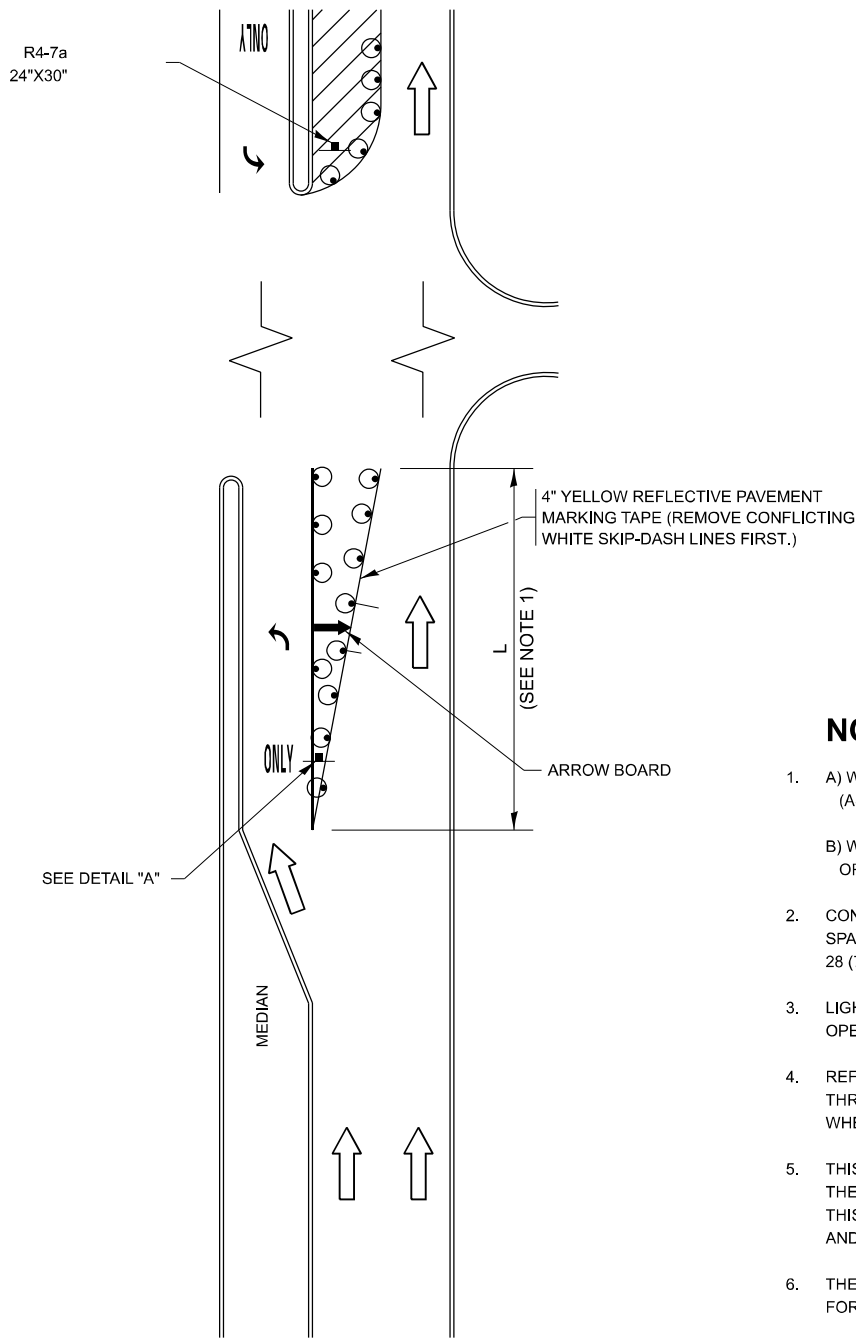


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

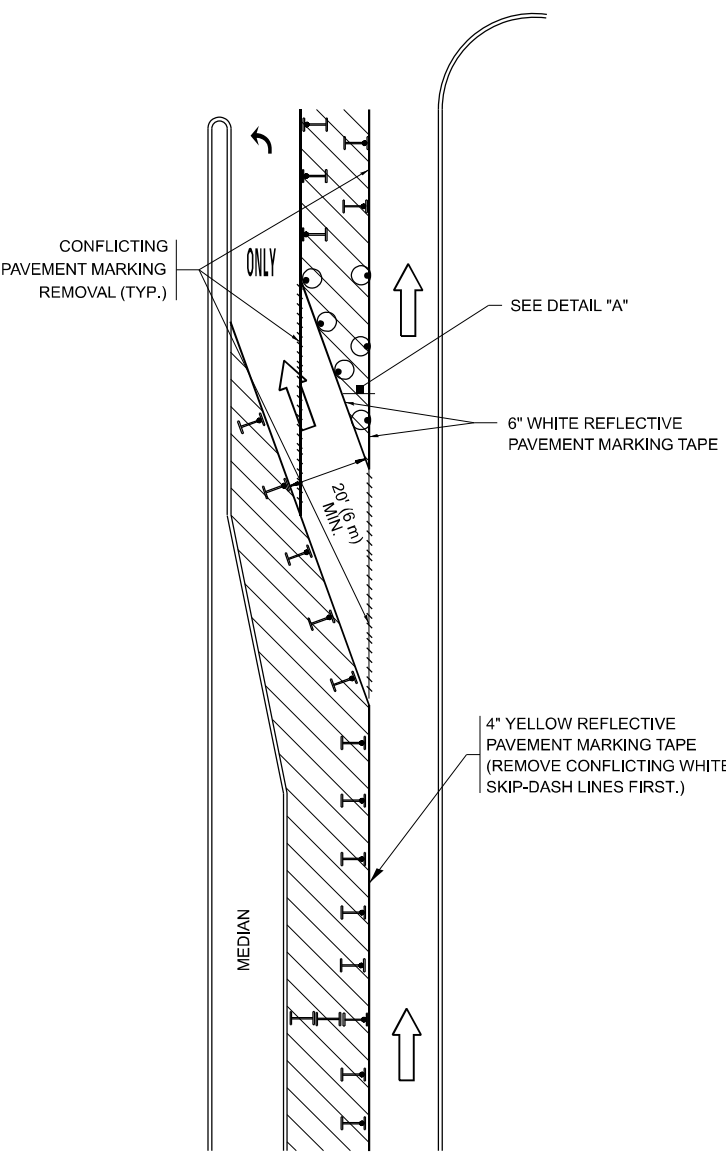
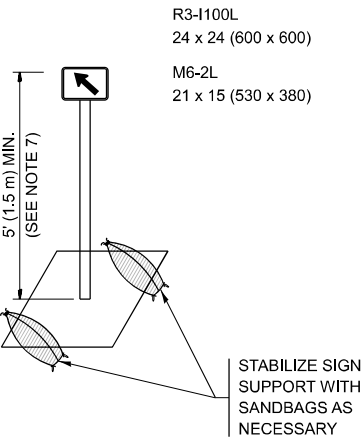


FIGURE 2



DETAIL A

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

MODEL: Untitled-7 [Sheet]
FILE NAME: c:\pwworking\elkhallibaj\1044896\131218-shr+DistSigns.dgn

USER NAME	= Aya.Elkhallib
DESIGNED	- T. RAMMACHER 09-08-94
DRAWN	- A. HOUSEH 11-07-95
CHECKED	- A. HOUSEH 10-12-96
PLOT DATE	= 3/11/2025
DATE	- T. RAMMACHER 01-06-00

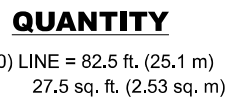
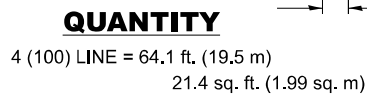
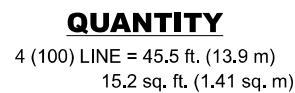
REVISED	- R. BORO 09-14-09
REVISED	- A. SCHUETZE 07-01-13
REVISED	- A. SCHUETZE 09-15-16
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

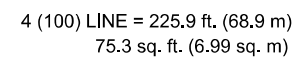
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2018-039-RS	WILL	32	28
TC-14		CONTRACT NO. 62G52		
ILLINOIS		FED. AID PROJECT		



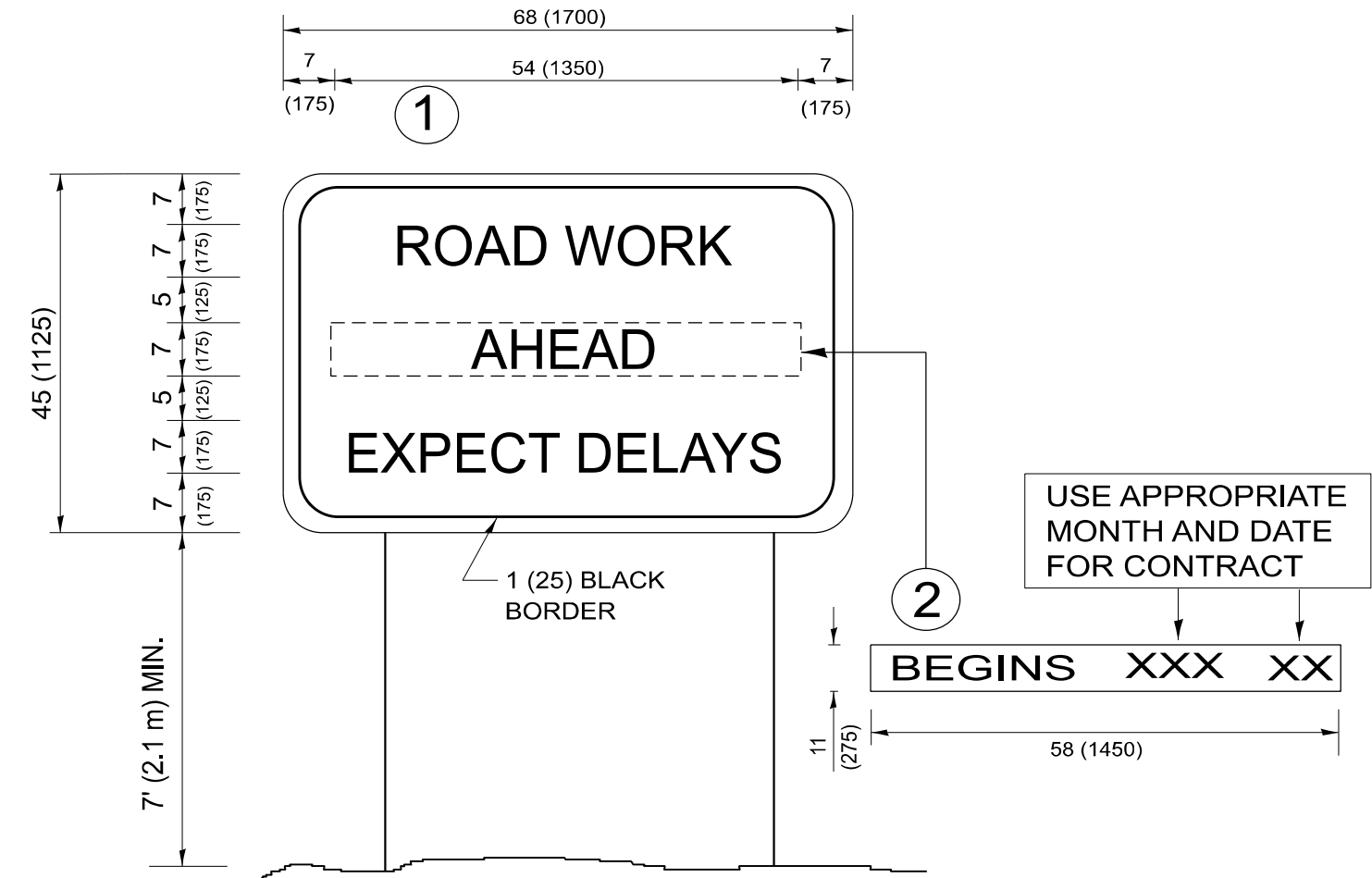
ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
IN LINEAR FEET OF 4" LINES TO MATCH THE
4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



MODEL: Untitled-8 [Sheet]
FILE NAME: c:\pw\work\pwidth\ekhatiba\1044896\131218-sht-DistSids.dgn

USER NAME = Aya.Elkhathib	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - E. GOMEZ 08-28-00		112	2018-039-RS		WILL	32	29			
	CHECKED -	REVISED - E. GOMEZ 08-28-00		TC-16				CONTRACT NO. 62G52				
PLOT DATE = 3/11/2025	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.			
							ILLINOIS		FED. AID PROJECT			

MODEL: Untitled-9 [Sheet]
FILE NAME: c:\pwwork\work\elkhalibaj\0144896\0131218-shr+DistSign.dgn



NOTES:

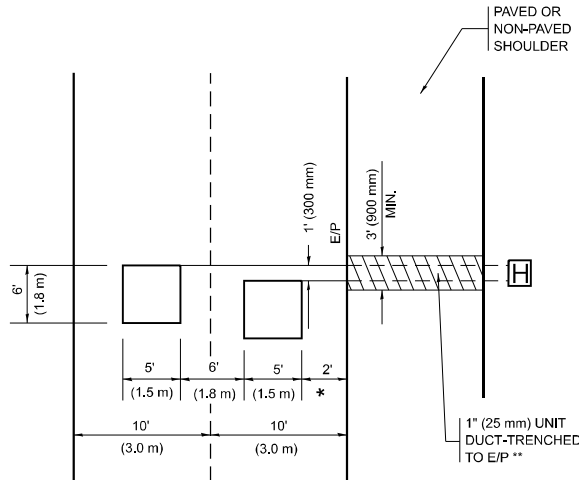
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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.

	USER NAME = Aya,Elkhalib	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED - R. MIRS 12-11-97						112	2018-039-RS	WILL	32	30			
		CHECKED -	REVISED - T. RAMMACHER 02-02-99						TC-22					CONTRACT NO. 62G52		
	PLOT DATE = 3/11/2025	DATE -	REVISED - C. JUCIUS 01-31-07						ILLINOIS FED. AID PROJECT							
						SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.					

LOOPS NEXT TO SHOULDERS

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

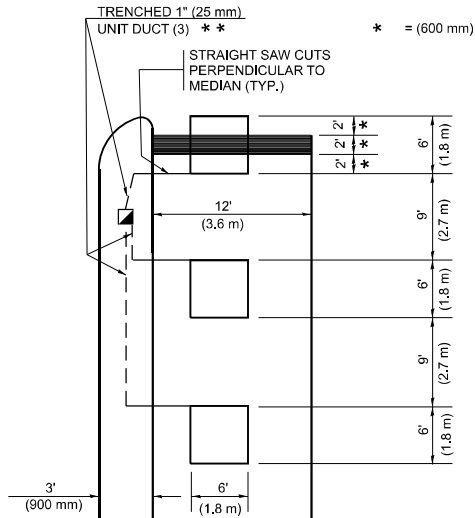


* = (600 mm)

** 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.

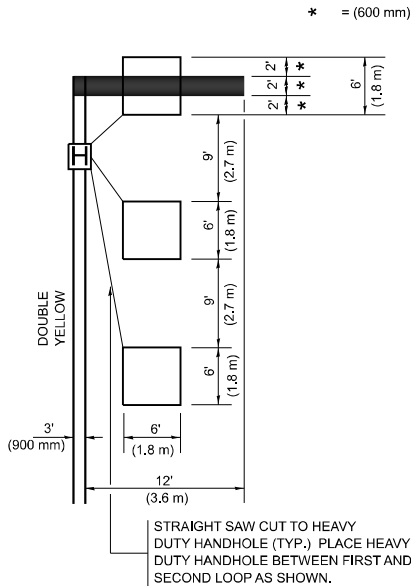


* = (600 mm)

** 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

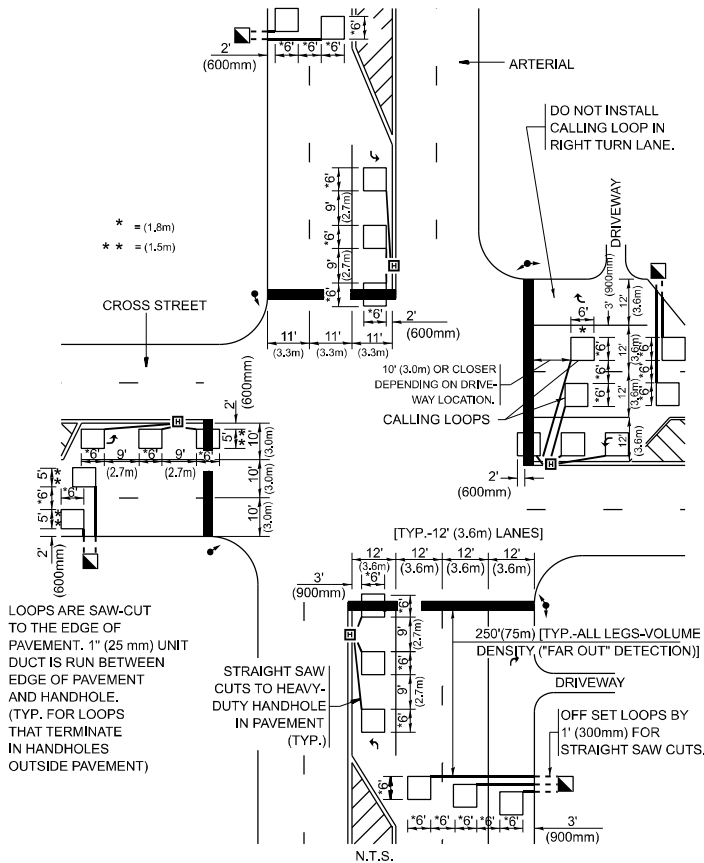
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

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

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



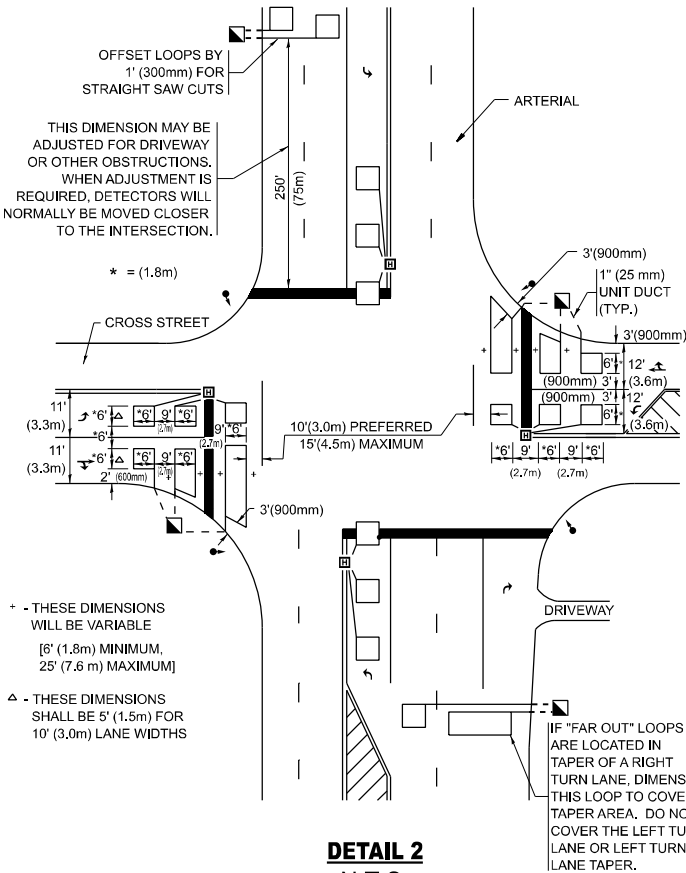
* = (1.8m)
** = (1.5m)

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.

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 SEPARATLY. 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.

MODEL: Untitled-11 [Sheet]
FILE NAME: c:\p\work\dist1\elkhalibaj\0144896\0131218-shr-dist1stas.dgn

PLOT DATE = 3/11/2025	USER NAME = Aya,Elkhalib	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED - R.K.F.	REVISED -
		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.
112	2018-039-RS	WILL	32	32
TS-07		CONTRACT NO. 62G52		
ILLINOIS		FED. AID PROJECT		