09-20-2024 LETTING ITEM 005

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	1
	ILLINOIS	CONTRACT NO. 62R60		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

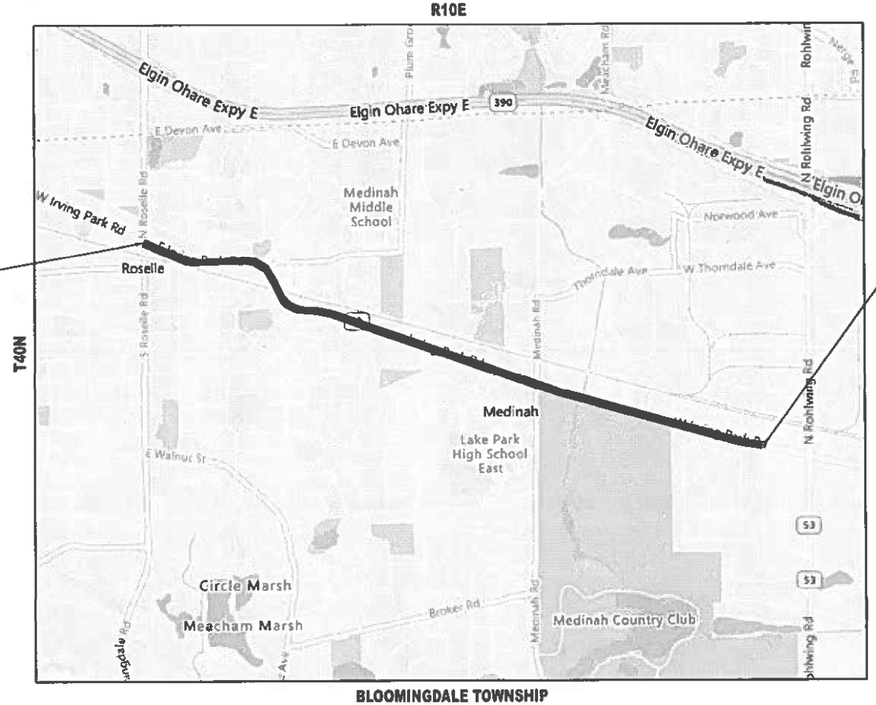
F.A.U. ROUTE 1321 (IL 19 / IRVING PARK ROAD)
ROSELLE ROAD TO EAST OF BAKER DRIVE
SECTION: FAU 1321 22 RS2
PROJECT: NHPP-STP- D0VU(207)
DESIGNED OVERLAY, NEW SHOULDERS, AND ADA IMPROVEMENTS
DUPAGE COUNTY

C-91-208-22

D-91-163-22

LOCATION OF SECTION INDICATED THUS: -

TRAFFIC DATA:
IL 19 / IRVING PARK ROAD
2021 ADT: 17,300
POSTED AND DESIGN SPEED LIMIT = 30-40 MPH



PROJECT BEGINS
STA. 19+00

PROJECT ENDS
STA. 151+62

BLOOMINGDALE TOWNSHIP

GROSS AND NET LENGTH = 13,262 FT. = 2.51 MILES

N

LOCATION MAP
(NOT TO SCALE)

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240
PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62R60

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 18 2024
REGIONAL ENGINEER

August 16, 2024
ENGINEER OF DESIGN AND ENVIRONMENT

August 16, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

INDEX OF SHEETS

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6-10	EXISTING AND PROPOSED TYPICAL SECTIONS
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48	PD-04: PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH TURNING SPACE
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56	TC-11: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
57	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS
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59	TC-16: SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
60	TC-22: ARTERIAL ROAD INFORMATION SIGN
61	TS-07: DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-05	FRAME AND LIDS TYPE 1
604091-05	FRAME AND GRATE TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L 2W, MOVING OPERATIONS DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS 40MPH OR LESS
701501-06	URBAN LANE CLOSURE, 2L 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE VILLAGES OF ITASCA AND ROSELLE, AND BLOOMINGDALE TOWNSHIP.
2. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
3. THE RESIDENT ENGINEER SHALL CONTACT THE VILLAGE OF ROSELLE TO COORDINATE LOCATIONS OF CURB AND GUTTER REMOVAL AND REPLACEMENT WITHIN THE VILLAGE LIMITS.
4. THE RESIDENT ENGINEER SHALL NOTE THAT COLUMNS 1 AND 2 OF THE SUMMARY OF QUANTITIES (NHPP) CORRESPOND TO PROPOSED WORK FROM STA. 19+00 TO STA. 54+80 AND COLUMNS 3 AND 4 OF THE SUMMARY OF QUANTITIES (STPU) CORRESPOND TO PROPOSED WORK FROM STA. 54+80 TO STA. 151+62.
5. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
6. THE RESIDENT ENGINEER SHALL REPORT CLEARANCES UNDER THE RR BRIDGE LOCATED AT APPROXIMATELY STA. 49+75 AFTER RESURFACING.
7. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
8. 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.
9. 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.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
11. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
12. DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT AT A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.
13. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1. THE 9" LIFT OF CS 1 OR RR 1 FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE PLACED THE SAME DAY AS EXCAVATION.
14. ALL PAVEMENT PATCHING, COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5", DRAINAGE STRUCTURE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
15. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE RESIDENT 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.
16. 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 RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
17. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
18. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND THE IDOT SUBGRADE STABILITY MANUAL.
19. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR'S EXPENSE.
20. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

GENERAL NOTES CONTINUED

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	2
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (NHPP) ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP-URB) ROADWAY 0005 URBAN	80% FED 20% STATE (STP-URB) TR. SIGNALS 0021 URBAN	100% STATE ROADWAY 0005 URBAN	100% VILLAGE OF ROSELLE ROADWAY 0005 URBAN
20200100	EARTH EXCAVATION	CU YD	3371	3		3368			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	478			478			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1434			1434			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4066	844		3031			191
21400100	GRADING AND SHAPING DITCHES	FOOT	7348			7348			
25000210	SEEDING, CLASS 2A	ACRE	1.32			1.32			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	119			119			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	119			119			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	119			119			
25100630	EROSION CONTROL BLANKET	SQ YD	6370			6370			
25200110	SODDING, SALT TOLERANT	SQ YD	1616	844		581			191
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	478			478			
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	5737			5737			
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	347			347			
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	162	22		140			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	10692			10692			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	45564	14306		31258			
40600370	LONGITUDINAL JOINT SEALANT	FOOT	26929	9078		17851			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	97	32		65			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	438	196		242			
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	6869	2374		4495			
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	58	3		55			
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	6138	2077		4061			

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (NHPP) ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP-URB) ROADWAY 0005 URBAN	80% FED 20% STATE (STP-URB) TR. SIGNALS 0021 URBAN	100% STATE ROADWAY 0005 URBAN	100% VILLAGE OF ROSELLE ROADWAY 0005 URBAN
42001300	PROTECTIVE COAT	SQ YD	2060	1244		816			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	33	33					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	121	55		66			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2810	1768		1042			
42400800	DETECTABLE WARNINGS	SQ FT	124	40		84			
44000100	PAVEMENT REMOVAL	SQ YD	133			133			
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	23			23			
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	11966			11966			
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	52350	21193		31157			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1356	117		1239			
44000300	CURB REMOVAL	FOOT	10			10			
44000600	SIDEWALK REMOVAL	SQ FT	2834	1742		1092			
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	430			430			
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	180			180			
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	300			300			
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	175	70		105			
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	125	50		75			
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	100	40		60			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	209			209			
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	4752			4752			
60250200	CATCH BASINS TO BE ADJUSTED	EACH	8	4		4			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	6	3		3			
60255500	MANHOLES TO BE ADJUSTED	EACH	2	1		1			

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	3
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (NHPP) ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP-URB) ROADWAY 0005 URBAN	80% FED 20% STATE (STP-URB) TR. SIGNALS 0021 URBAN	100% STATE ROADWAY 0005 URBAN	100% VILLAGE OF ROSELLE ROADWAY 0005 URBAN
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5	3		2			
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	1		1			
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	33	22		11			
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	6	4		2			
	60404950	FRAMES AND GRATES, TYPE 24	EACH	3	1		2			
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	15	8		7			
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	15	8		7			
	60600605	CONCRETE CURB, TYPE B	FOOT	10			10			
	60905305	BOX CULVERTS TO BE CLEANED	FOOT	40					40	
	60920012	PIPE CULVERTS TO BE CLEANED 12"	FOOT	550					550	
	60920015	PIPE CULVERTS TO BE CLEANED 15"	FOOT	125					125	
	60920024	PIPE CULVERTS TO BE CLEANED 24"	FOOT	40					40	
	60920030	PIPE CULVERTS TO BE CLEANED 30"	FOOT	40					40	
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1730	1		1729			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	8	1		7			
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.01		0.99			
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.01		0.99			
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	7	1		6			
	67100100	MOBILIZATION	L SUM	1	0.25		0.75			
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1			1			
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1			1			
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.25		0.75			
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.25		0.75			

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (NHPP) ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP-URB) ROADWAY 0005 URBAN	80% FED 20% STATE (STP-URB) TR. SIGNALS 0021 URBAN	100% STATE ROADWAY 0005 URBAN	100% VILLAGE OF ROSELLE ROADWAY 0005 URBAN
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.25		0.75			
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.25		0.75			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	30811	11953		18858			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	12839	4981		7858			
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1247.5	421.2		826.3			
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	42408	9471		32937			
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2640	1014		1626			
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	2729	1642		1087			
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	648	389		259			
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	7703	2989		4714			
*	72000100	SIGN PANEL - TYPE 1	SQ FT	12			12			
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	2		3			
*	72000200	SIGN PANEL - TYPE 2	SQ FT	96			96			
*	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	2		3			
*	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1			1			
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1247.5	421.2		826.3			
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	35.1			35.1			
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	42408	9471		32937			
*	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1			1			
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2640	1014		1626			
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2729	1642		1087			
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	648	389		259			
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	72.8			72.8			
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	987	373		614			
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	885	337		548			
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	20775	6506		14269			
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	132		97		35		
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5		4		1		

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	4
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (NHPP) ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP-URB) ROADWAY 0005 URBAN	80% FED 20% STATE (STP-URB) TR. SIGNALS 0021 URBAN	100% STATE ROADWAY 0005 URBAN	100% VILLAGE OF ROSELLE ROADWAY 0005 URBAN
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	986		716		270		
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	410		135		275		
	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2544		1705		839		
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	340		80		260		
*	87900200	DRILL EXISTING HANDHOLE	EACH	8		7		1		
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8				
	88500100	INDUCTIVE LOOP DETECTOR	EACH	6		4		2		
*	88600100	DETECTOR LOOP, TYPE I	FOOT	2355		1845		510		
*	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1				1		
*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1		1				
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	750				750		
*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	185		185				
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3		2		1		
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0.25		0.75			
	X0327989	REMOVE EXISTING BRICK PAVERS	SQ FT	4925	2605		601			1719
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4		3		1		
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4		4				
	X2020110	GRADING AND SHAPING SHOULDERS	UNIT	21			21			
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	45			45			
	X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	952	246		706			
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	100	50		50			
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	6867	4169		2698			
	X6537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1145					1145	
	X6538200	STORM SEWERS TO BE CLEANED 24"	FOOT	70					70	
	X6538300	STORM SEWERS TO BE CLEANED 27"	FOOT	125					125	

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (NHPP) ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP-URB) ROADWAY 0005 URBAN	80% FED 20% STATE (STP-URB) TR. SIGNALS 0021 URBAN	100% STATE ROADWAY 0005 URBAN	100% VILLAGE OF ROSELLE ROADWAY 0005 URBAN
	X6538400	STORM SEWERS TO BE CLEANED 30"	FOOT	114					114	
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	24	18		6			
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	3		9			
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16		12		4		
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	32		28		4		
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	80					80	
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	25.7		25.7			
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		1				
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
	X2010514	SELECTIVE CLEARING	ACRE	0.81			0.81			
Ø	Z0076600	TRAINEES	HOUR	500	500					
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

Ø 0042 * SPECIALTY ITEMS

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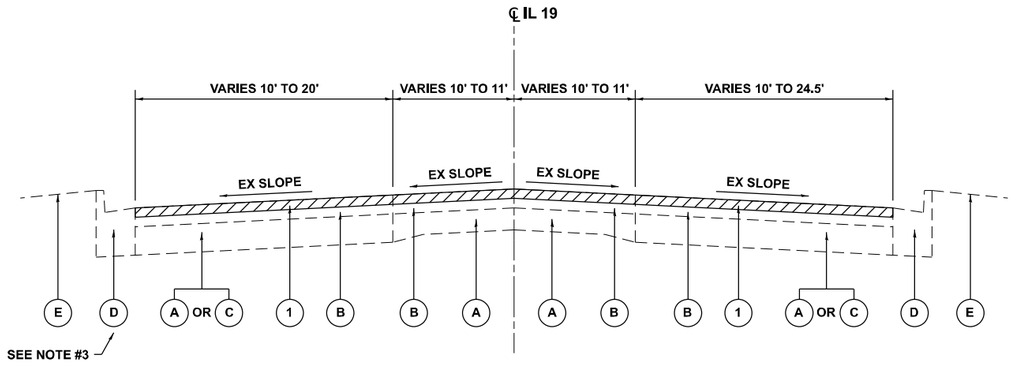
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	5
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

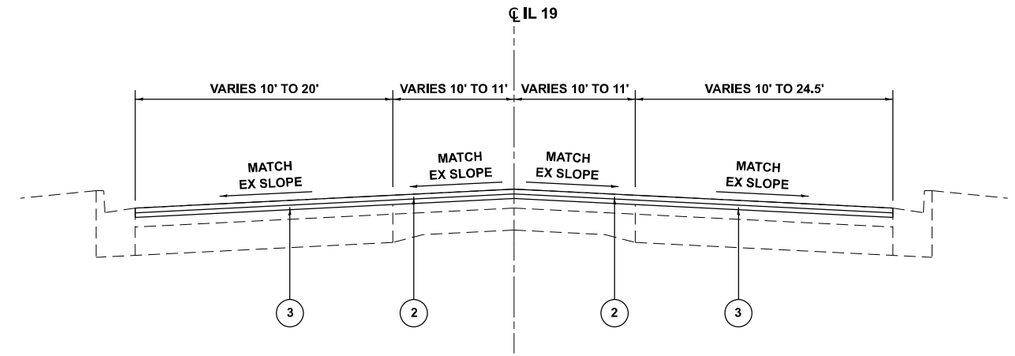
REV-SEP



IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 19+00 TO STA. 74+57

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE, IL-9.5, N70.
3. FROM STA. 37+67 TO STA. 48+00 (LT), GUTTER OF EX COMB CONC CURB AND GUTTER EXTENDS UNDER EX HMA SURFACE COURSE FOR ± 3'.



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 19+00 TO STA. 74+57

HMA MIXTURE REQUIREMENTS			
MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT AND SHOULDER RESURFACING (LOCATION: STA. 19+00 TO STA. 94+11 & STA. 113+20 TO STA. 151+62)	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 1¾"	4% @ 70 GYR.	QCP
	HMA BINDER COURSE, IL-9.5, N70; 2"	4% @ 70 GYR.	QCP
PAVEMENT AND SHOULDER RESURFACING (LOCATION: STA. 94+11 TO STA. 113+20)	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 1½"	4% @ 70 GYR.	QC/QA
	HMA BINDER COURSE, IL-9.5, N70; 1½"	4% @ 70 GYR.	QC/QA
SHOULDER RECONSTRUCTION AND WIDENING (HMA SHOULDERS, 8")	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 1½" & 1¾"	4% @ 70 GYR.	QC/QA
	HMA BINDER COURSE, IL-19.0, N70; 6¼" & 6½"	4% @ 70 GYR.	QC/QA
PATCHING	CLASS D PATCH (HMA BINDER IL-19.0); 9" OR 14"	4% @ 70 GYR.	QC/QA
PAVEMENT RESURFACING FOR CURB RAMP WORK (SEE CURB RAMP SCHEDULE FOR LOCATIONS)	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 1¾"	4% @ 70 GYR.	QC/QA
TEMPORARY RAMP (SPECIAL)	HMA BINDER COURSE, IL-9.5, N70; VARIABLE DEPTH	4% @ 70 GYR.	QC/QA
DRIVEWAYS	HMA SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 GYR.	QC/QA
	HMA BASE COURSE (HMA BINDER IL-19.0); P.E. - 6", C.E. - 8"	4% @ 50 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) & QUALITY CONTROL FOR PERFORMANCE (QCP)			

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.

LEGEND:

EXISTING:

- (A) EX PCC PAVEMENT, ± 7" TO ± 10"
- (B) EX HMA SURFACE COURSE, ± 6½" TO ± 11"
- (C) EX HMA BASE COURSE, ± 9" TO ± 10"
- (D) EX COMB CONC CURB AND GUTTER
- (E) EX GROUND, BRICK, OR SIDEWALK
- (F) EX HMA BASE COURSE AND EX SURFACE COURSE, ± 12" TO ± 14"
- (G) EX AGGREGATE SHOULDER
- (H) EX HMA SHOULDER, ± 14"
- (I) EX HMA SURFACE COURSE, ± 3"
- (J) EX PCC BASE COURSE, ± 10"
- (K) EX HMA SHOULDER, ± 6"
- (L) EX HMA SURFACE COURSE, ± 2"

PROPOSED:

- (1) PR HMA SURFACE REMOVAL, 3¾"
- (2) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
- (3) PR HMA BINDER COURSE, IL-9.5, N70, 2"
- (4) PR EARTH EXCAVATION
- (5) PR HMA SHOULDERS, 8" (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾" & HMA BINDER COURSE, IL-19.0, N70, 6¼")
- (6) PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) PR AGGREGATE WEDGE SHOULDER, TYPE B
- (8) PR GRADING AND SHAPING SHOULDERS
- (9) PR PAVEMENT REMOVAL
- (10) PR HMA SURFACE REMOVAL, 3"
- (11) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- (12) PR HMA BINDER COURSE, IL-9.5, N70, 1½"
- (13) PR HMA SHOULDERS, 8" (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½" & HMA BINDER COURSE, IL-19.0, N70, 6½")
- (14) PR REGRADING
  INCLUDES:
  PR GRADING AND SHAPING DITCHES
  PR TOPSOIL FURNISH AND PLACE, 4"
  PR NITROGEN FERTILIZER NUTRIENT
  PR POTASSIUM FERTILIZER NUTRIENT
  PR PHOSPHORUS FERTILIZER NUTRIENT
  PR EROSION CONTROL BLANKET
  PR SEEDING, CLASS 2A

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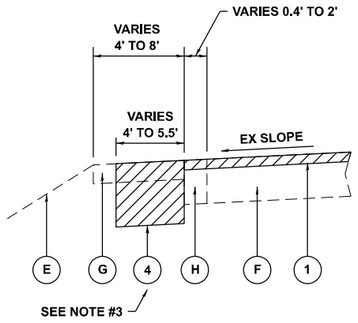
PLOT DATE = 6/24/2024	DATE -	REVISED -	

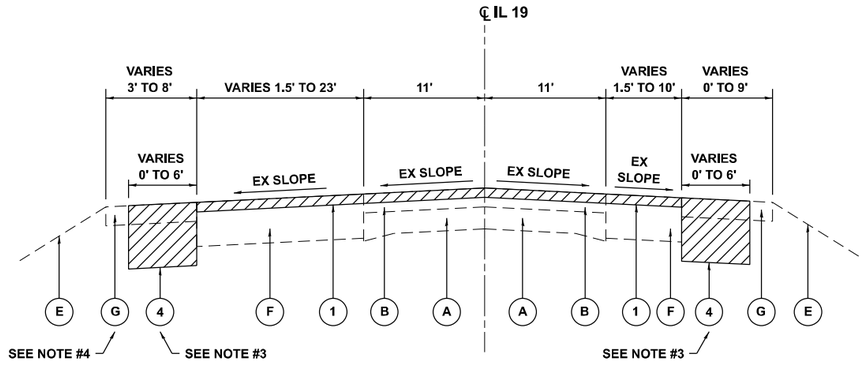
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)
SCALE: | SHEET OF SHEETS | STA. TO STA.

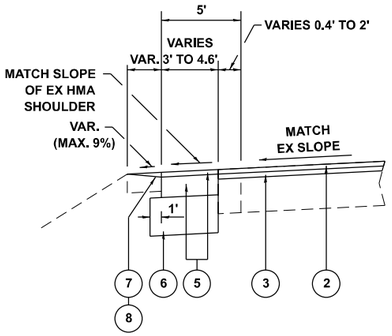
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	6
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



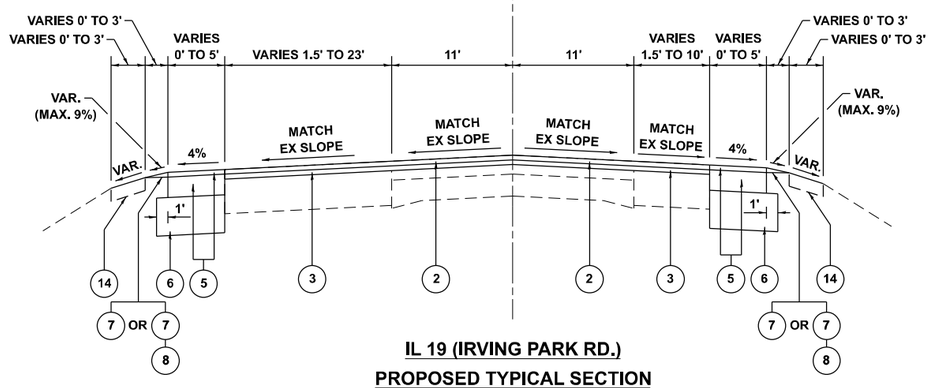
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL DETAIL
STA. 76+90 TO STA. 80+41 (LT)



IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 74+57 TO STA. 94+11



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL DETAIL
STA. 76+90 TO STA. 80+41 (LT)



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 74+57 TO STA. 94+11

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE, IL-9.5, N70.
3. EARTH EXCAVATION SHALL BE TO EXTENT TO INSTALL PR HMA SHOULDERS, 8" AND PR AGGREGATE SUBGRADE IMPROVEMENT, 12" (SEE PR TYPICAL SECTION/DETAIL AND ROADWAY PLANS).
4. FROM STA. 74+57 TO STA. 76+37 (LT), EX COMB CONC CURB AND GUTTER PRESENT INSTEAD OF EX AGGREGATE SHOULDER.

LEGEND:

EXISTING:

- (A) EX PCC PAVEMENT, ± 7" TO ± 10"
- (B) EX HMA SURFACE COURSE, ± 6½" TO ± 11"
- (C) EX HMA BASE COURSE, ± 9" TO ± 10"
- (D) EX COMB CONC CURB AND GUTTER
- (E) EX GROUND, BRICK, OR SIDEWALK
- (F) EX HMA BASE COURSE AND EX SURFACE COURSE, ± 12" TO ± 14"
- (G) EX AGGREGATE SHOULDER
- (H) EX HMA SHOULDER, ± 14"
- (I) EX HMA SURFACE COURSE, ± 3"
- (J) EX PCC BASE COURSE, ± 10"
- (K) EX HMA SHOULDER, ± 6"
- (L) EX HMA SURFACE COURSE, ± 2"

PROPOSED:

- (1) PR HMA SURFACE REMOVAL, 3¾"
- (2) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
- (3) PR HMA BINDER COURSE, IL-9.5, N70, 2"
- (4) PR EARTH EXCAVATION
- (5) PR HMA SHOULDERS, 8" (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾" & HMA BINDER COURSE, IL-19.0, N70, 6¼")
- (6) PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) PR AGGREGATE WEDGE SHOULDER, TYPE B
- (8) PR GRADING AND SHAPING SHOULDERS
- (9) PR PAVEMENT REMOVAL
- (10) PR HMA SURFACE REMOVAL, 3"
- (11) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- (12) PR HMA BINDER COURSE, IL-9.5, N70, 1½"
- (13) PR HMA SHOULDERS, 8" (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½" & HMA BINDER COURSE, IL-19.0, N70, 6½")
- (14) PR REGRADING
  INCLUDES:
  - PR GRADING AND SHAPING DITCHES
  - PR TOPSOIL FURNISH AND PLACE, 4"
  - PR NITROGEN FERTILIZER NUTRIENT
  - PR POTASSIUM FERTILIZER NUTRIENT
  - PR PHOSPHORUS FERTILIZER NUTRIENT
  - PR EROSION CONTROL BLANKET
  - PR SEEDING, CLASS 2A

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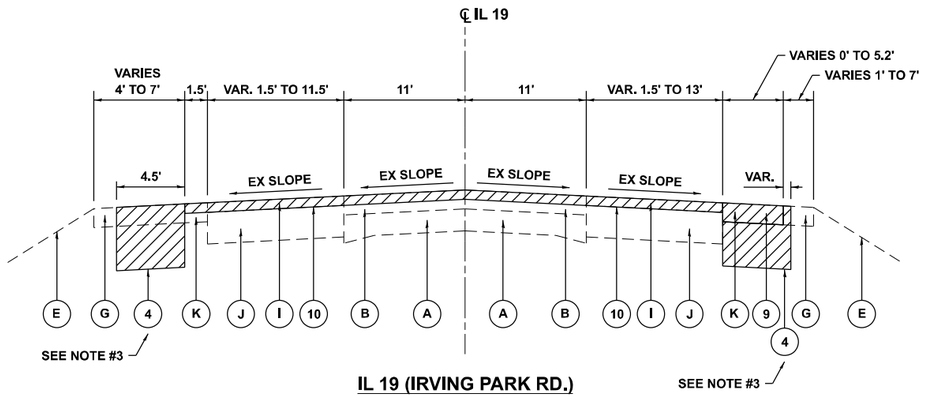
PLOT DATE = 6/24/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

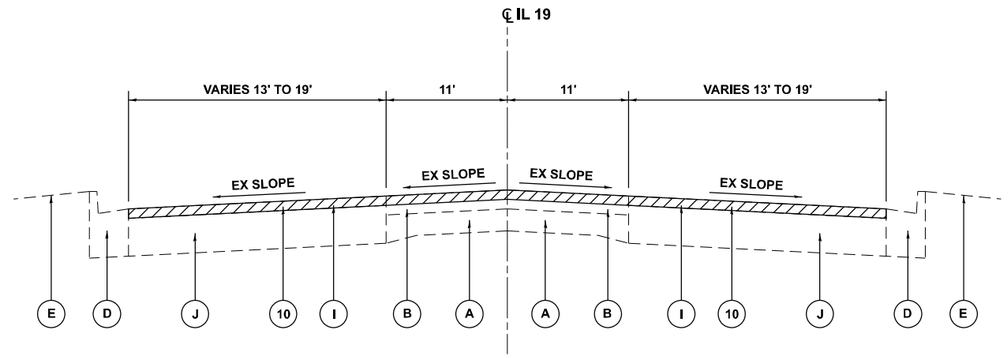
EXISTING AND PROPOSED TYPICAL SECTIONS
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	7
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			



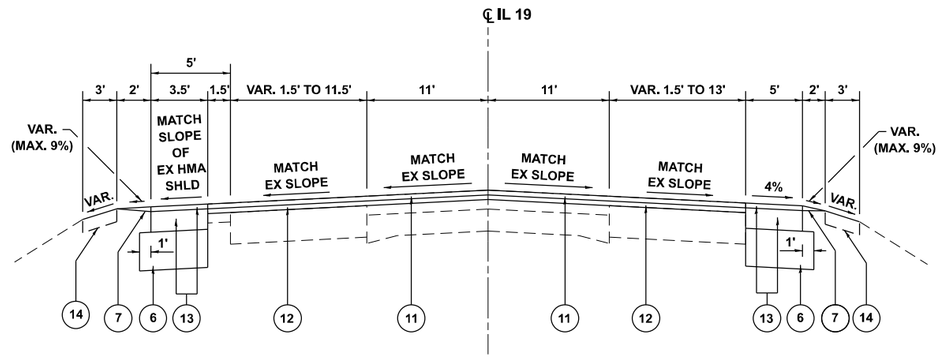
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 94+11 TO STA. 97+84



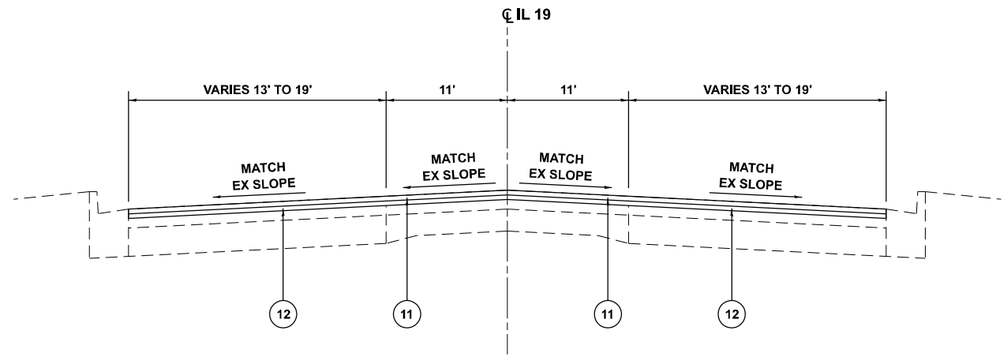
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 97+84 TO STA. 109+91

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE, IL-9.5, N70.
3. EARTH EXCAVATION SHALL BE TO EXTENT TO INSTALL PR HMA SHOULDERS, 8" AND PR AGGREGATE SUBGRADE IMPROVEMENT, 12" (SEE PR TYPICAL SECTION/DETAIL AND ROADWAY PLANS).



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 94+11 TO STA. 97+84



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 97+84 TO STA. 109+91

LEGEND:

EXISTING:

- (A) EX PCC PAVEMENT, ± 7" TO ± 10"
- (B) EX HMA SURFACE COURSE, ± 6½" TO ± 11"
- (C) EX HMA BASE COURSE, ± 9" TO ± 10"
- (D) EX COMB CONC CURB AND GUTTER
- (E) EX GROUND, BRICK, OR SIDEWALK
- (F) EX HMA BASE COURSE AND EX SURFACE COURSE, ± 12" TO ± 14"
- (G) EX AGGREGATE SHOULDER
- (H) EX HMA SHOULDER, ± 14"
- (I) EX HMA SURFACE COURSE, ± 3"
- (J) EX PCC BASE COURSE, ± 10"
- (K) EX HMA SHOULDER, ± 6"
- (L) EX HMA SURFACE COURSE, ± 2"

PROPOSED:

- (1) PR HMA SURFACE REMOVAL, 3¾"
- (2) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
- (3) PR HMA BINDER COURSE, IL-9.5, N70, 2"
- (4) PR EARTH EXCAVATION
- (5) PR HMA SHOULDERS, 8" (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾" & HMA BINDER COURSE, IL-19.0, N70, 6¼")
- (6) PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) PR AGGREGATE WEDGE SHOULDER, TYPE B
- (8) PR GRADING AND SHAPING SHOULDERS
- (9) PR PAVEMENT REMOVAL
- (10) PR HMA SURFACE REMOVAL, 3"
- (11) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- (12) PR HMA BINDER COURSE, IL-9.5, N70, 1½"
- (13) PR HMA SHOULDERS, 8" (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½" & HMA BINDER COURSE, IL-19.0, N70, 6½")
- (14) PR REGRADING
  INCLUDES:
  - PR GRADING AND SHAPING DITCHES
  - PR TOPSOIL FURNISH AND PLACE, 4"
  - PR NITROGEN FERTILIZER NUTRIENT
  - PR POTASSIUM FERTILIZER NUTRIENT
  - PR PHOSPHORUS FERTILIZER NUTRIENT
  - PR EROSION CONTROL BLANKET
  - PR SEEDING, CLASS 2A

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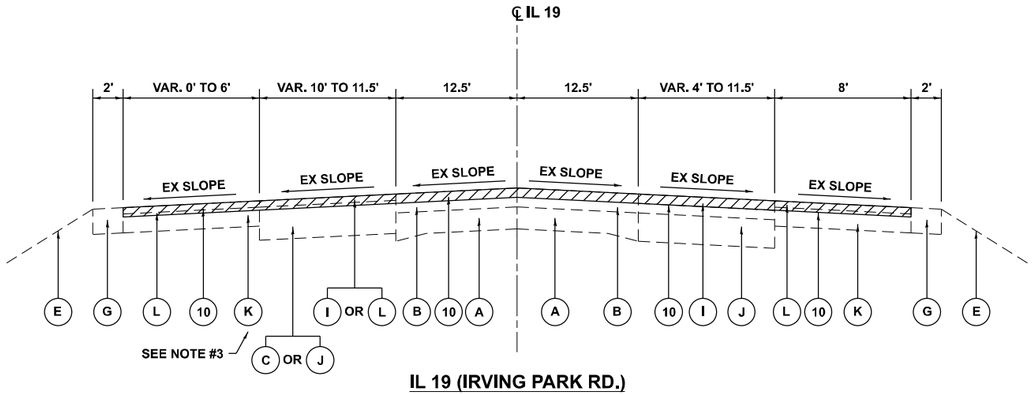
PLOT DATE = 6/24/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

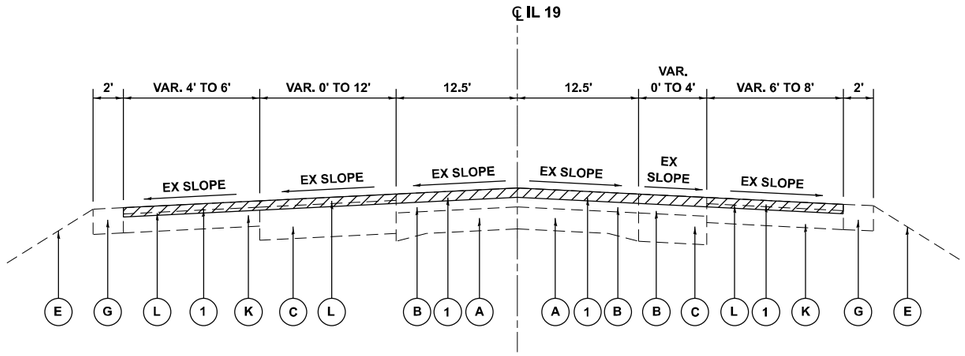
EXISTING AND PROPOSED TYPICAL SECTIONS
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	8
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			



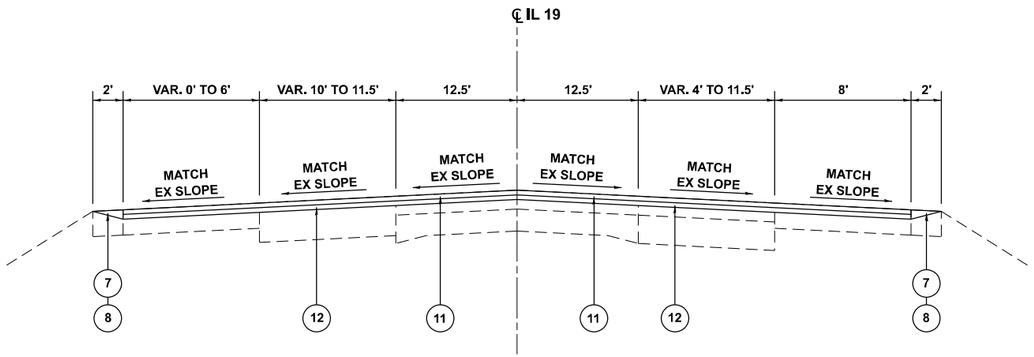
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 109+91 TO STA. 113+20



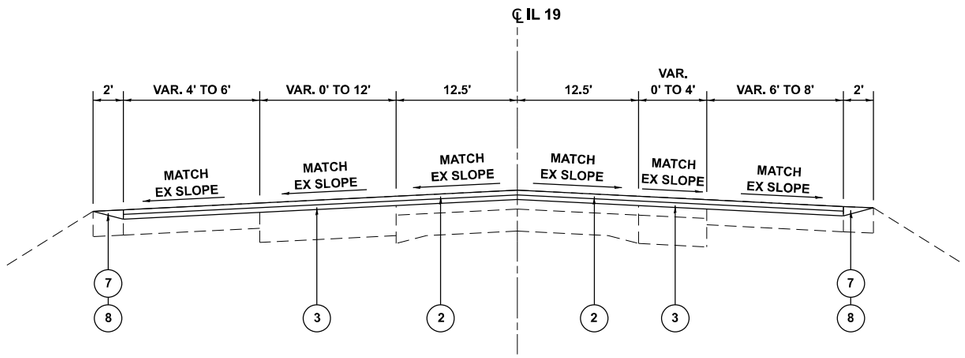
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 113+20 TO STA. 118+65 (LT)
STA. 113+20 TO STA. 119+01 (RT)

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE, IL-9.5, N70.
3. FROM STA. 109+91 TO STA. 111+61 (LT), EX COMB CONC CURB AND GUTTER PRESENT INSTEAD OF EX HMA SHOULDER.



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 109+91 TO STA. 113+20



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 113+20 TO STA. 118+65 (LT)
STA. 113+20 TO STA. 119+01 (RT)

LEGEND:

EXISTING:

- (A) EX PCC PAVEMENT, ± 7" TO ± 10"
- (B) EX HMA SURFACE COURSE, ± 6½" TO ± 11"
- (C) EX HMA BASE COURSE, ± 9" TO ± 10"
- (D) EX COMB CONC CURB AND GUTTER
- (E) EX GROUND, BRICK, OR SIDEWALK
- (F) EX HMA BASE COURSE AND EX SURFACE COURSE, ± 12" TO ± 14"
- (G) EX AGGREGATE SHOULDER
- (H) EX HMA SHOULDER, ± 14"
- (I) EX HMA SURFACE COURSE, ± 3"
- (J) EX PCC BASE COURSE, ± 10"
- (K) EX HMA SHOULDER, ± 6"
- (L) EX HMA SURFACE COURSE, ± 2"

PROPOSED:

- (1) PR HMA SURFACE REMOVAL, 3¾"
- (2) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
- (3) PR HMA BINDER COURSE, IL-9.5, N70, 2"
- (4) PR EARTH EXCAVATION
- (5) PR HMA SHOULDERS, 8" (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾" & HMA BINDER COURSE, IL-19.0, N70, 6¼")
- (6) PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) PR AGGREGATE WEDGE SHOULDER, TYPE B
- (8) PR GRADING AND SHAPING SHOULDERS
- (9) PR PAVEMENT REMOVAL
- (10) PR HMA SURFACE REMOVAL, 3"
- (11) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- (12) PR HMA BINDER COURSE, IL-9.5, N70, 1½"
- (13) PR HMA SHOULDERS, 8" (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½" & HMA BINDER COURSE, IL-19.0, N70, 6½")
- (14) PR REGRADING
  INCLUDES:
  PR GRADING AND SHAPING DITCHES
  PR TOPSOIL FURNISH AND PLACE, 4"
  PR NITROGEN FERTILIZER NUTRIENT
  PR POTASSIUM FERTILIZER NUTRIENT
  PR PHOSPHORUS FERTILIZER NUTRIENT
  PR EROSION CONTROL BLANKET
  PR SEEDING, CLASS 2A

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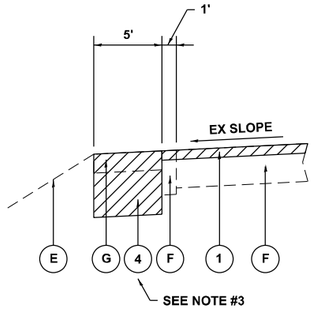
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 6/24/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

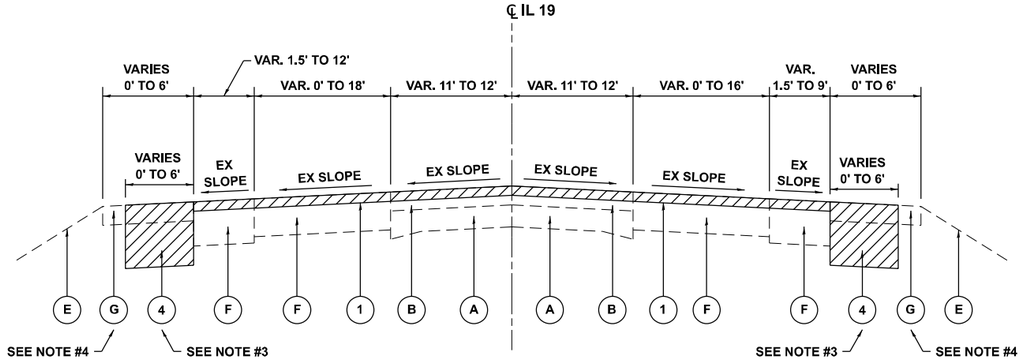
EXISTING AND PROPOSED TYPICAL SECTIONS
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

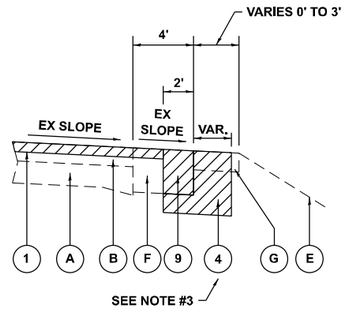
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	9
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



IL 19 (IRVING PARK RD.)
EXISTING TYPICAL DETAIL
STA. 148+54 TO STA. 150+38 (LT)



IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 118+65 TO STA. 151+62 (LT)
STA. 119+01 TO STA. 151+62 (RT)



IL 19 (IRVING PARK RD.)
EXISTING TYPICAL DETAIL
STA. 145+10 TO STA. 146+41 (RT)

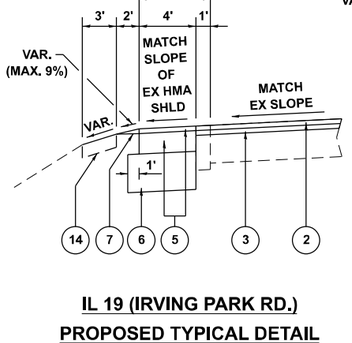
LEGEND:

EXISTING:

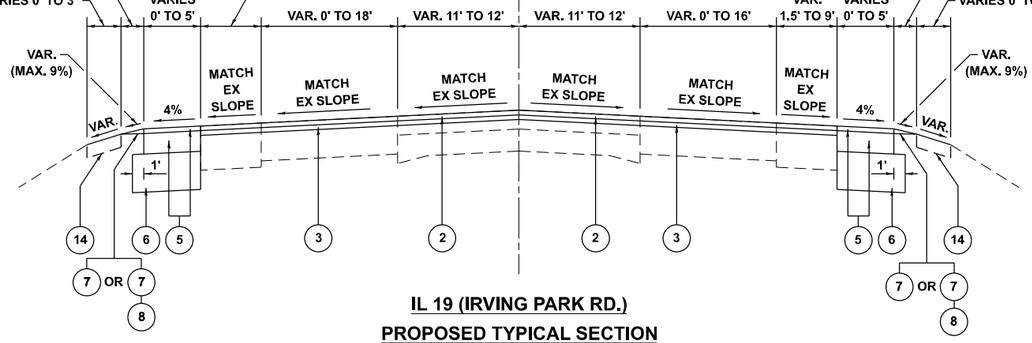
- (A) EX PCC PAVEMENT, ± 7" TO ± 10"
- (B) EX HMA SURFACE COURSE, ± 6½" TO ± 11"
- (C) EX HMA BASE COURSE, ± 9" TO ± 10"
- (D) EX COMB CONC CURB AND GUTTER
- (E) EX GROUND, BRICK, OR SIDEWALK
- (F) EX HMA BASE COURSE AND EX SURFACE COURSE, ± 12" TO ± 14"
- (G) EX AGGREGATE SHOULDER
- (H) EX HMA SHOULDER, ± 14"
- (I) EX HMA SURFACE COURSE, ± 3"
- (J) EX PCC BASE COURSE, ± 10"
- (K) EX HMA SHOULDER, ± 6"
- (L) EX HMA SURFACE COURSE, ± 2"

PROPOSED:

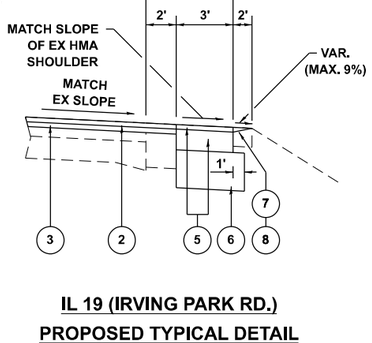
- (1) PR HMA SURFACE REMOVAL, 3¾"
- (2) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
- (3) PR HMA BINDER COURSE, IL-9.5, N70, 2"
- (4) PR EARTH EXCAVATION
- (5) PR HMA SHOULDERS, 8"
  (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
  & HMA BINDER COURSE, IL-19.0, N70, 6¼")
- (6) PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) PR AGGREGATE WEDGE SHOULDER, TYPE B
- (8) PR GRADING AND SHAPING SHOULDERS
- (9) PR PAVEMENT REMOVAL
- (10) PR HMA SURFACE REMOVAL, 3"
- (11) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- (12) PR HMA BINDER COURSE, IL-9.5, N70, 1½"
- (13) PR HMA SHOULDERS, 8"
  (INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
  & HMA BINDER COURSE, IL-19.0, N70, 6½")
- (14) PR REGRADING
  INCLUDES:
  - PR GRADING AND SHAPING DITCHES
  - PR TOPSOIL FURNISH AND PLACE, 4"
  - PR NITROGEN FERTILIZER NUTRIENT
  - PR POTASSIUM FERTILIZER NUTRIENT
  - PR PHOSPHORUS FERTILIZER NUTRIENT
  - PR EROSION CONTROL BLANKET
  - PR SEEDING, CLASS 2A



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL DETAIL
STA. 148+54 TO STA. 150+38 (LT)



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 118+65 TO STA. 151+62 (LT)
STA. 119+01 TO STA. 151+62 (RT)



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL DETAIL
STA. 145+10 TO STA. 146+41 (RT)

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE, IL-9.5, N70.
3. EARTH EXCAVATION SHALL BE TO EXTENT TO INSTALL PR HMA SHOULDERS, 8" AND PR AGGREGATE SUBGRADE IMPROVEMENT, 12" (SEE PR TYPICAL SECTION/DETAIL AND ROADWAY PLANS).
4. EX COMB CONC CURB AND GUTTER PRESENT INSTEAD OF EX HMA SHOULDER:
   - FROM STA. 143+43 TO STA. 148+54 (LT)
   - FROM STA. 149+54 TO STA. 151+62 (RT)
   - FROM STA. 150+38 TO STA. 151+62 (LT)

   EX PCC PAVEMENT AND COMB CONC CURB AND GUTTER PRESENT INSTEAD OF EX HMA SHOULDER:
   - FROM STA. 131+80 TO STA. 134+00 (LT)

MODEL: TypSht5 [Sheet]
FILE NAME: c:\pw_work\pwidottaric\fm\d0905115\D116322-sht-typical.dgn

USER NAME = Farhan,Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 6/24/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

SCALE: | SHEET OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	10
		CONTRACT NO. 62R60		
		ILLINOIS	FED. AID PROJECT	

SHOULDER AND GRADING SCHEDULE

	FROM STATION	TO STATION	SIDE	21101615	21400100	25000210	25000400	25000500	25000600	25100630	30300112	48102100	48203029	X2020110	Z0064600
				TOPSOIL FURNISH AND PLACE, 4"	GRADING AND SHAPING DITCHES	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	AGGREGATE SUBGRADE IMPROVEMENT 12"	AGGREGATE WEDGE SHOULDER, TYPE B	HOT-MIX ASPHALT SHOULDERS, 8"	GRADING AND SHAPING SHOULDERS	SELECTIVE CLEARING
				SQ YD	FOOT	ACRE	POUND	POUND	POUND	SQ YD	SQ YD	TON	SQ YD	UNIT	ACRE
	75+10	76+19	RT	0.0	0	0.00	0.0	0.0	0.0	0.0	72.4	2.3	60.3	1.1	0.00
	76+19	80+10	RT	108.3	325	0.02	2.0	2.0	2.0	108.3	259.8	7.0	216.7	0.0	0.00
	80+58	81+80	RT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	3.9	0.0	1.2	0.00
	81+80	92+74	RT	287.3	862	0.06	5.3	5.3	5.3	287.3	728.6	18.5	607.2	0.0	0.00
*	90+89	92+87	RT	0.0	0	0.06	5.4	5.4	5.4	290.4	0.0	0.0	0.0	0.0	0.06
*	93+13	95+46	RT	0.0	0	0.07	6.3	6.3	6.3	338.8	0.0	0.0	0.0	0.0	0.07
	93+28	97+84	RT	128.3	385	0.03	2.4	2.4	2.4	128.3	304.8	7.0	254.1	0.0	0.00
	109+90	111+44	RT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	2.6	0.0	1.5	0.00
	115+28	119+01	RT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	8.0	0.0	3.7	0.00
	119+01	137+96	RT	616.0	1,848	0.13	11.5	11.5	11.5	616.0	1,263.6	39.6	1,052.9	0.0	0.00
*	121+92	143+17	RT	0.0	0	0.02	1.8	1.8	1.8	96.8	0.0	0.0	0.0	0.0	0.02
	137+96	139+07	RT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	3.6	0.0	1.1	0.00
	139+07	145+10	RT	186.0	558	0.04	3.5	3.5	3.5	186.0	402.3	11.9	335.2	0.0	0.00
	145+10	146+41	RT	0.0	0	0.00	0.0	0.0	0.0	0.0	52.8	2.8	40.4	1.3	0.00
	146+82	148+93	RT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	6.8	0.0	2.1	0.00
	76+90	80+41	LT	0.0	0	0.00	0.0	0.0	0.0	0.0	172.6	9.7	133.6	3.0	0.00
	80+41	81+07	LT	12.7	38	0.00	0.2	0.2	0.2	12.7	44.4	0.8	37.0	0.0	0.00
	81+07	82+12	LT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	3.4	0.0	1.1	0.00
	82+12	97+84	LT	392.0	1,176	0.08	7.3	7.3	7.3	392.0	978.2	24.0	803.8	0.0	0.00
*	92+07	94+41	LT	0.0	0	0.04	3.6	3.6	3.6	193.6	0.0	0.0	0.0	0.0	0.04
	111+63	112+67	LT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.0	0.00
	115+31	118+31	LT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	5.1	0.0	2.4	0.00
	118+65	121+96	LT	103.7	311	0.02	1.9	1.9	1.9	103.7	219.4	6.7	183.2	0.0	0.00
	122+41	125+24	LT	88.0	264	0.02	1.6	1.6	1.6	88.0	187.3	5.7	156.4	0.0	0.00
	125+65	131+80	LT	192.3	577	0.04	3.6	3.6	3.6	192.3	408.9	12.4	340.9	0.0	0.00
	134+00	137+96	LT	132.0	396	0.03	2.5	2.5	2.5	132.0	265.0	8.5	220.8	0.0	0.00
	137+96	139+07	LT	0.0	0	0.00	0.0	0.0	0.0	0.0	0.0	3.6	0.0	1.1	0.00
	139+07	143+31	LT	141.3	424	0.03	2.6	2.6	2.6	141.3	282.1	9.1	235.1	0.0	0.00
	148+54	150+38	LT	61.3	184	0.01	1.1	1.1	1.1	61.3	94.8	3.9	74.3	0.0	0.00
*	148+66	150+38	LT	0.0	0	0.62	55.8	55.8	55.8	3,000.8	0.0	0.0	0.0	0.0	0.62
			TOTAL =	**2,450**	**7,348**	**1.32**	**119**	**119**	**119**	**6,370**	**5,737**	**209**	**4,752**	**21**	**0.81**

NOTES:

1. WIDTH OF AGGREGATE WEDGE SHOULDER, TYPE B IS 2 FEET EXCEPT AT LOCATIONS BELOW WHERE WIDTH IS 3 FEET.
   - STA. 80+58 TO STA. 81+80 (RT)
   - STA. 137+96 TO STA. 139+07 (RT)
   - STA. 146+82 TO STA. 148+93 (RT)
   - STA. 76+90 TO STA. 80+41 (LT)
   - STA. 81+07 TO STA. 82+12 (LT)
   - STA. 137+96 TO STA. 139+07 (LT)
2. WIDTH OF GRADING AND SHAPING DITCHES IS 3 FEET.
3. ASTERISK (*) DENOTES QUANTITIES ASSOCIATED WITH SELECTIVE CLEARING ONLY.

USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 6/25/2024	DATE -	REVISED -	

SCHEDULE OF QUANTITIES
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	11
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

HMA BINDER AND SURFACE COURSE FOR RESURFACING SCHEDULE

FROM STATION	TO STATION	QUALITY MANAGEMENT PROGRAM (QMP)	40602985	40604062
			HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70
			TON	TON
19+00	94+11	QCP	4,255	3,723
94+11	113+20	QC/QA	1,006	1,006
113+20	151+62	QCP	1,608	1,407
AT CURB RAMP LOCATIONS		QC/QA	0.0	2.3
		TOTAL =	**6,869**	**6,138**

BRICK REMOVAL AND REPLACEMENT SCHEDULE

	FROM STATION	TO STATION	SIDE	X0327989	21101615	25200110
				REMOVE EXISTING BRICK PAVERS	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT
				SQ FT	SQ YD	SQ YD
^	20+61	21+83	LT	393	43.7	43.7
*	23+43	24+39	LT	187	20.8	20.8
^	24+39	26+00	LT	415	46.1	46.1
^	26+74	29+81	LT	1,197	133.0	133.0
^	27+38	27+71	RT	136	15.1	15.1
*	52+95	54+34	RT	600	66.7	66.7
^	53+14	54+80	LT	464	51.6	51.6
^	54+80	56+27	LT	420	46.7	46.7
*	56+27	58+96	LT	932	103.6	103.6
^	58+96	59+50	LT	181	20.1	20.1
			TOTAL =	**4,925**	**547.2**	**547.2**

NOTES:

1. THE ENTIRE AREA OF BRICK PAVERS SHALL BE REMOVED AND REPLACED WITH TOPSOIL AND SODDING INCLUDING AT LOCATIONS WHERE COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT IS PROPOSED.
2. ASTERISK (*) DENOTES 100% COST TO THE VILLAGE OF ROSELLE. AT LOCATIONS WHERE COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT IS NOT PROPOSED.
3. CARET (^) DENOTES BRICK REMOVAL AND REPLACEMENT ADJACENT TO COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT.

PAVEMENT REMOVAL SCHEDULE

FROM STATION	TO STATION	SIDE	44000100
			PAVEMENT REMOVAL
			SQ YD
94+73	95+40	RT	30.0
95+71	96+90	RT	54.6
97+75	97+60	RT	5.1
143+19	143+31	LT	5.5
145+11	146+41	RT	37.8
		TOTAL =	**133.0**

CURB RAMP SCHEDULE

IL 19 INTERSECTION	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT	HOT-MIX ASPHALT BASE COURSE, 8"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	DRIVEWAY PAVEMENT REMOVAL	CURB REMOVAL	SIDEWALK REMOVAL	VALVE BOXES TO BE ADJUSTED	FRAMES AND LIDS TO BE ADJUSTED	CONCRETE CURB, TYPE B	REMOVE SIGN PANEL ASSEMBLY - TYPE A	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	PAVEMENT MARKING REMOVAL - WATER BLASTING	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET
	CU YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	SQ YD	SQ FT	SQ FT	SQ YD	SQ YD	FOOT	SQ FT	EACH	EACH	FOOT	EACH	EACH	FOOT	FOOT	SQ FT	FOOT
	20200100	21101615	25200110	35501316	40600290	40604060	40604062	42001300	42400200	42400800	44000156	44000200	44000300	44000600	60266600	60300305	60600605	72400100	72400500	78000600	78000650	78300202	X4400503
PARK ST.	0.0	14	14	0	0.0	0.0	0.0	41	362	20	0	0	0	362	0	0	0	0	0	0	0	0	0
LAWRENCE AVE.	0.3	7	7	0	0.0	0.0	0.0	26	226	20	0	0	0	200	1	1	0	0	0	0	0	0	0
PINECROFT AVE.	0.0	3	3	0	0.0	0.0	0.0	8	72	24	0	0	0	72	0	0	0	1	1	0	0	0	0
FOX GROVE APARTMENTS ENTRANCE	2.7	27	27	123	0.0	13.8	0.0	39	254	20	0	123	0	234	1	1	0	0	0	0	0	0	48
MEDINAH RD	0.0	6	6	0	0.0	0.0	0.0	7	55	0	0	0	0	105	0	0	0	0	0	0	0	0	0
HILLCREST AVE	3.6	28	28	0	6.3	0.0	1.4	41	305	20	14	0	0	325	0	1	0	1	1	66	16	32	30
MEDINAH TERRACE CONDOMINIUMS ENTRANCE	0.3	8	8	0	4.1	0.0	0.9	18	150	20	9	0	10	150	0	0	10	0	0	0	0	0	0
TOTAL =	**6.9**	**93**	**93**	**123**	**10.4**	**13.8**	**2.3**	**180**	**1424**	**124**	**23**	**123**	**10**	**1,448**	**2**	**3**	**10**	**2**	**2**	**66**	**16**	**32**	**78**

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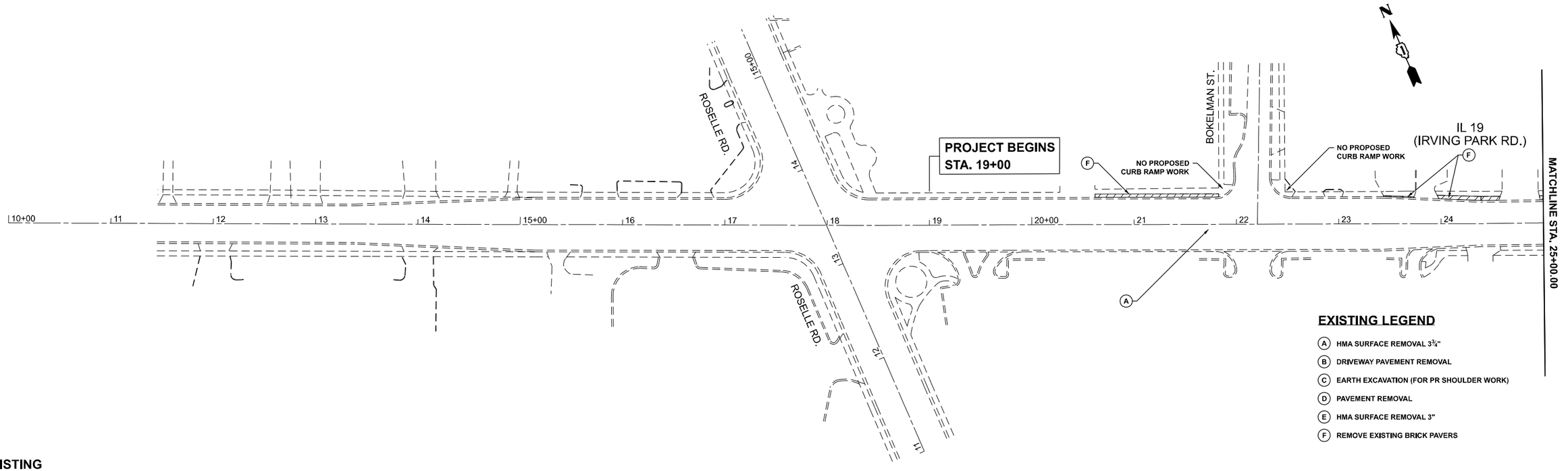
USER NAME = Farhan.Tariq	DESIGNED -	REVISED - FT, 8/9/2024	**STATE OF ILLINOIS**	SCHEDULE OF QUANTITIES
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**	IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
PLOT DATE = 8/9/2024	DATE -	REVISED -		

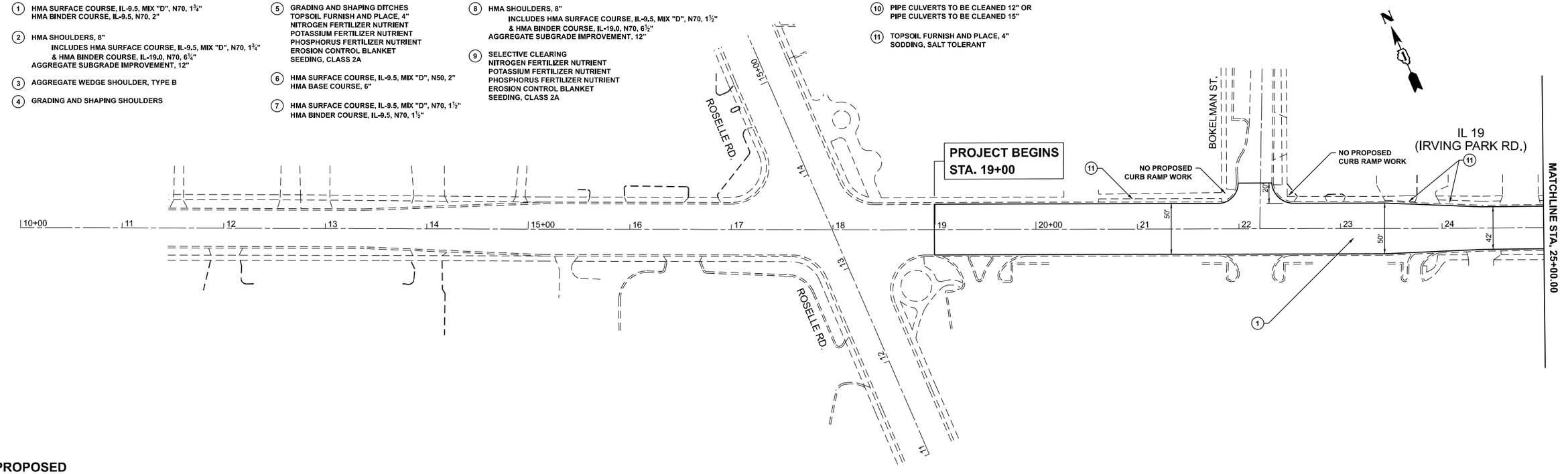
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	12
		CONTRACT NO. 62R60		
		ILLINOIS FED. AID PROJECT		



EXISTING

PROPOSED LEGEND

1. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   & HMA BINDER COURSE, IL-19.0, N70, 6¼"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. AGGREGATE WEDGE SHOULDER, TYPE B
4. GRADING AND SHAPING SHOULDERS
5. GRADING AND SHAPING DITCHES
   TOPSOIL FURNISH AND PLACE, 4"
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   HMA BINDER COURSE, IL-9.5, N70, 1½"
8. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   & HMA BINDER COURSE, IL-19.0, N70, 6½"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
9. SELECTIVE CLEARING
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
10. PIPE CULVERTS TO BE CLEANED 12" OR
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT



PROPOSED

MODEL: IL19 - DblPlan01
FILE NAME: c:\pw_work\pwidottariq\mu0905115\D116322-sht-planDouble.dgn

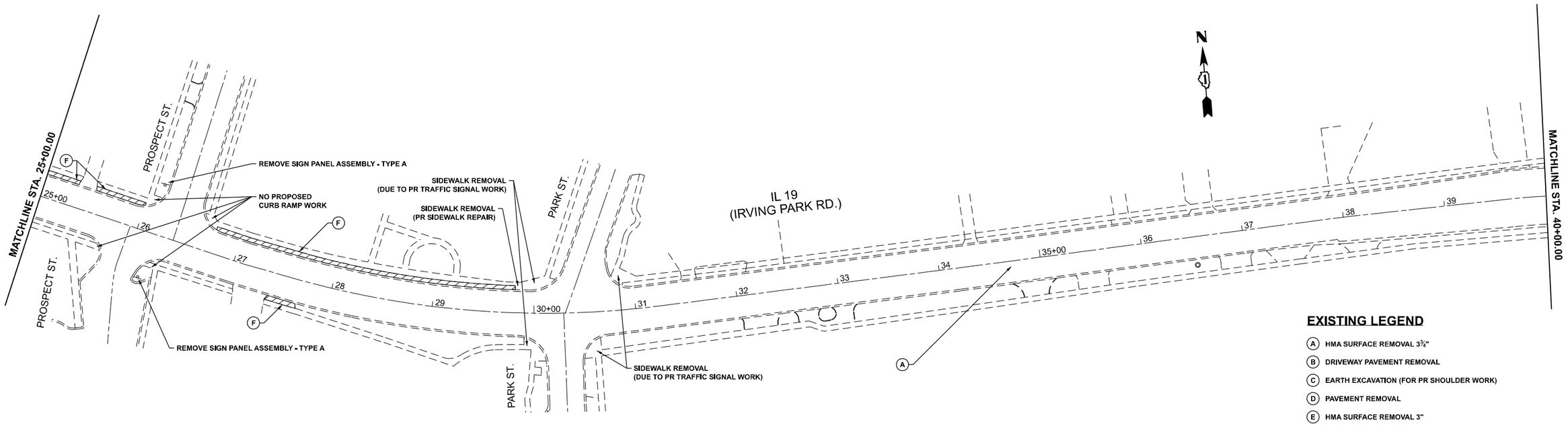
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/25/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 10+00.00 | TO STA. 25+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	13
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



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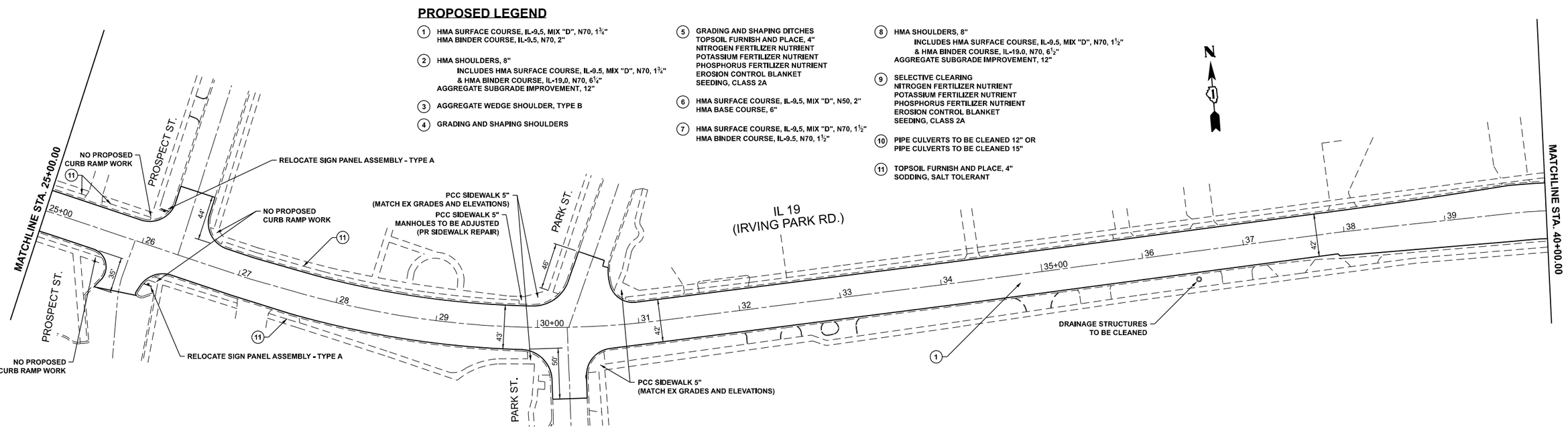

PROPOSED

USER NAME = Farhan.Tariq	DESIGNED -	REVISED - FT, 8/6/2024	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	EXISTING AND PROPOSED ROADWAY PLAN IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)	
	DRAWN -	REVISED -			
PLOT SCALE = $SCALE$	CHECKED -	REVISED -			
PLOT DATE = 8/6/2024	DATE -	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. 25+00.00 TO STA. 40+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	14
		CONTRACT NO. 62R60		
		ILLINOIS FED. AID PROJECT		

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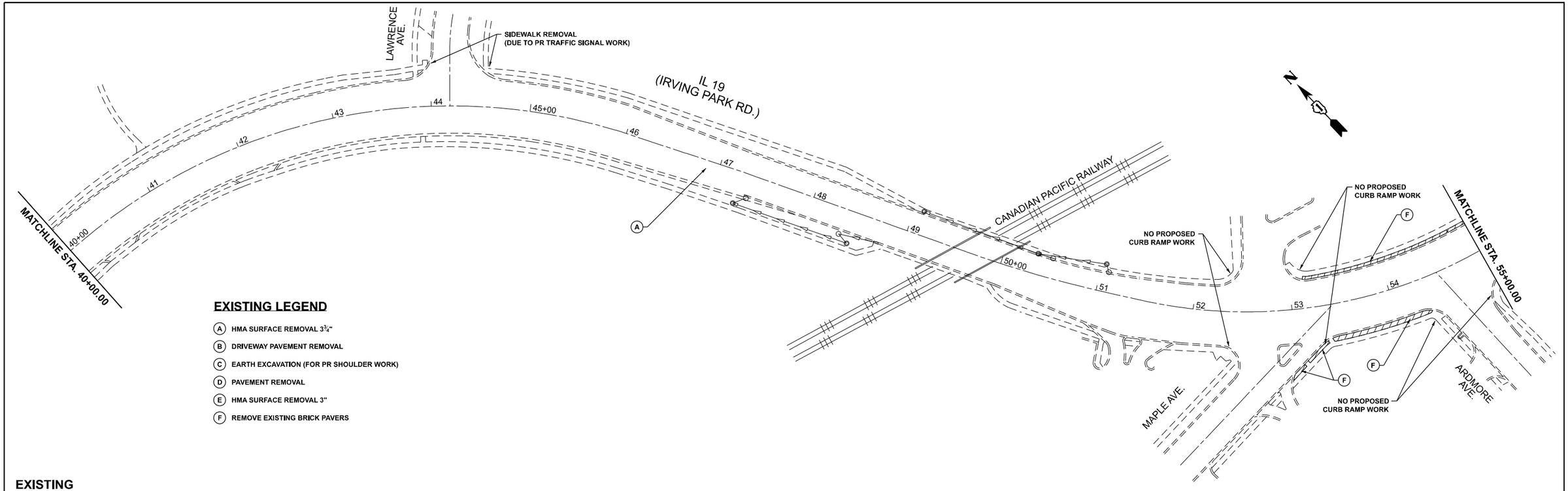
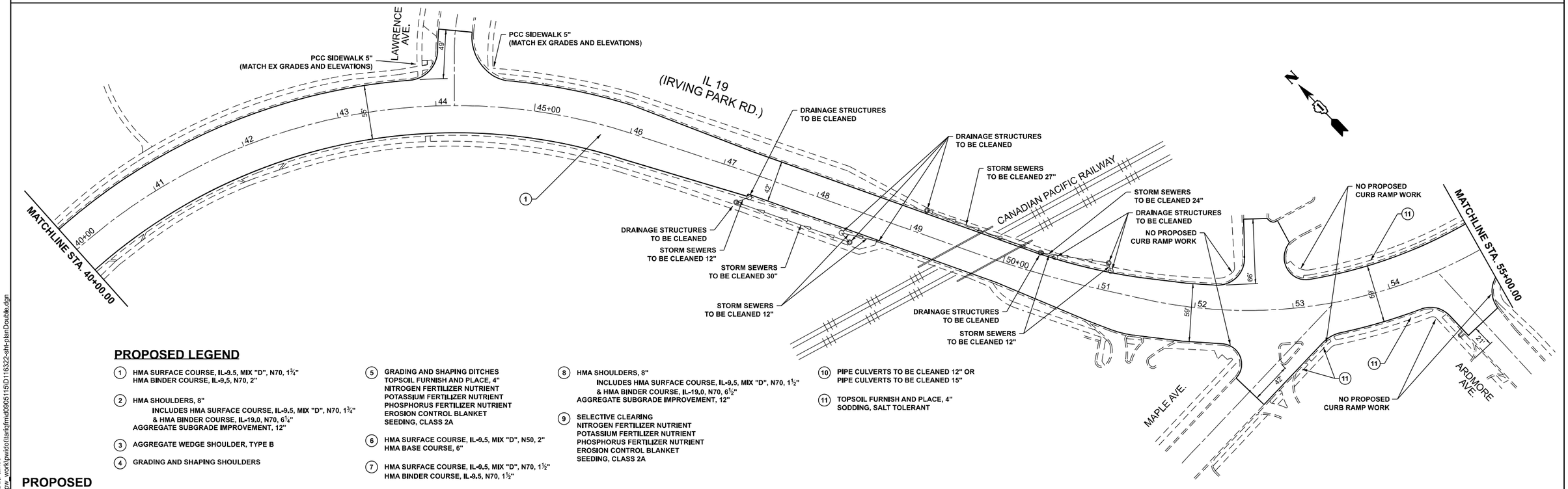


EXISTING LEGEND

- (A) HMA SURFACE REMOVAL 3¾"
- (B) DRIVEWAY PAVEMENT REMOVAL
- (C) EARTH EXCAVATION (FOR PR SHOULDER WORK)
- (D) PAVEMENT REMOVAL
- (E) HMA SURFACE REMOVAL 3"
- (F) REMOVE EXISTING BRICK PAVERS

EXISTING



PROPOSED LEGEND

1. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   & HMA BINDER COURSE, IL-19.0, N70, 6¼"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. AGGREGATE WEDGE SHOULDER, TYPE B
4. GRADING AND SHAPING SHOULDERS
5. GRADING AND SHAPING DITCHES
   TOPSOIL FURNISH AND PLACE, 4"
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   HMA BINDER COURSE, IL-9.5, N70, 1½"
8. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   & HMA BINDER COURSE, IL-19.0, N70, 6½"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
9. SELECTIVE CLEARING
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
10. PIPE CULVERTS TO BE CLEANED 12" OR
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT

PROPOSED

MODEL: IL19 - DbPlan03
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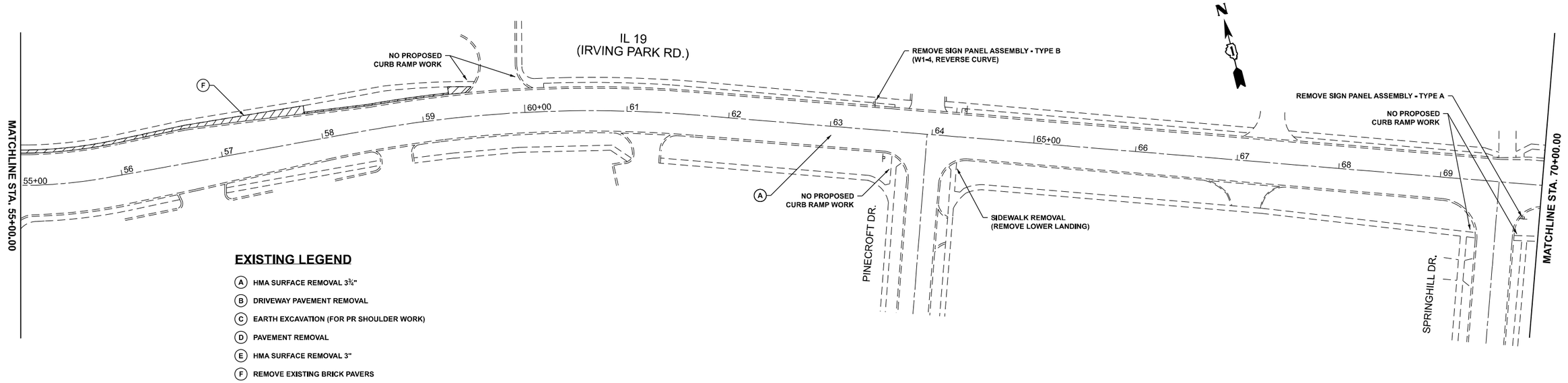
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 6/25/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 40+00.00 | TO STA. 55+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	15
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			



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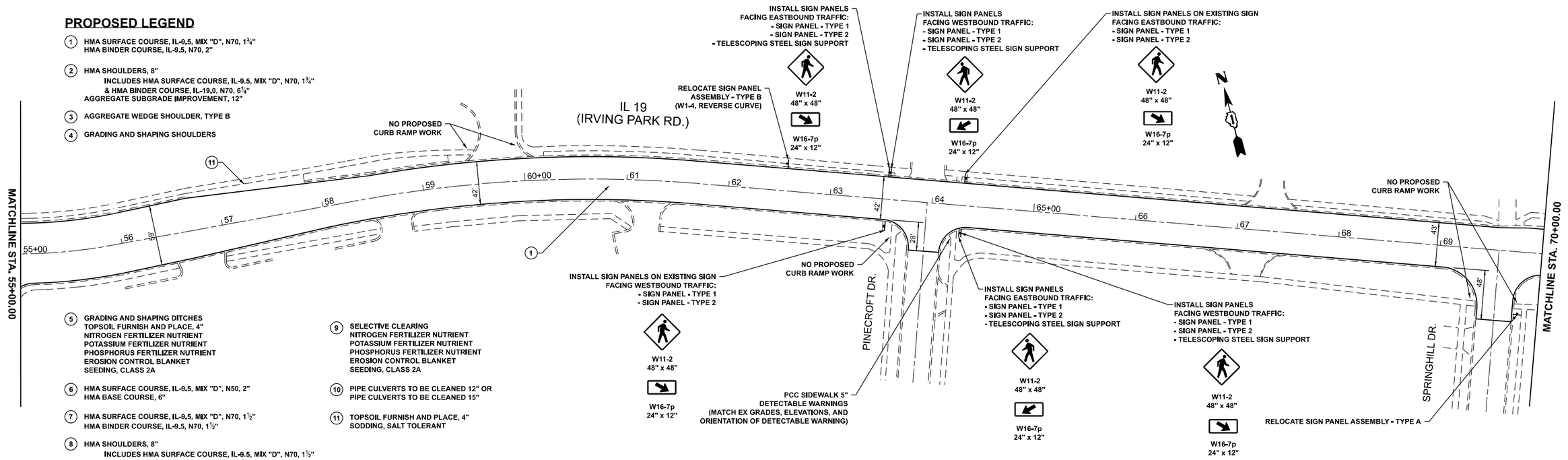

PROPOSED

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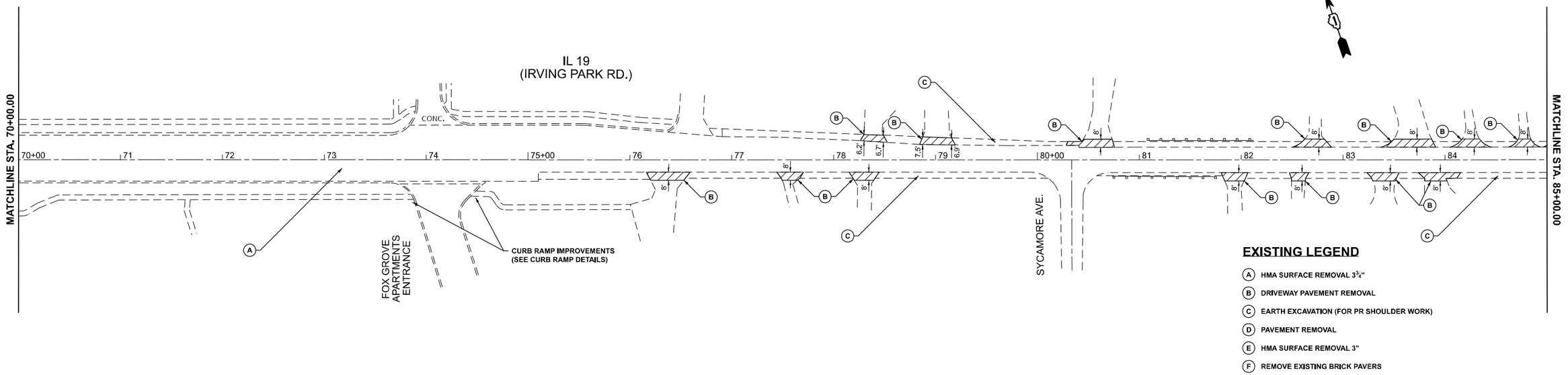
USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 8/12/2024	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	EXISTING AND PROPOSED ROADWAY PLAN IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)	
	DRAWN -	REVISED -			
PLOT SCALE = $SCALE$	CHECKED -	REVISED -			
PLOT DATE = 8/12/2024	DATE -	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. 55+00.00 TO STA. 70+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	16
		CONTRACT NO. 62R60		
		ILLINOIS	FED. AID PROJECT	



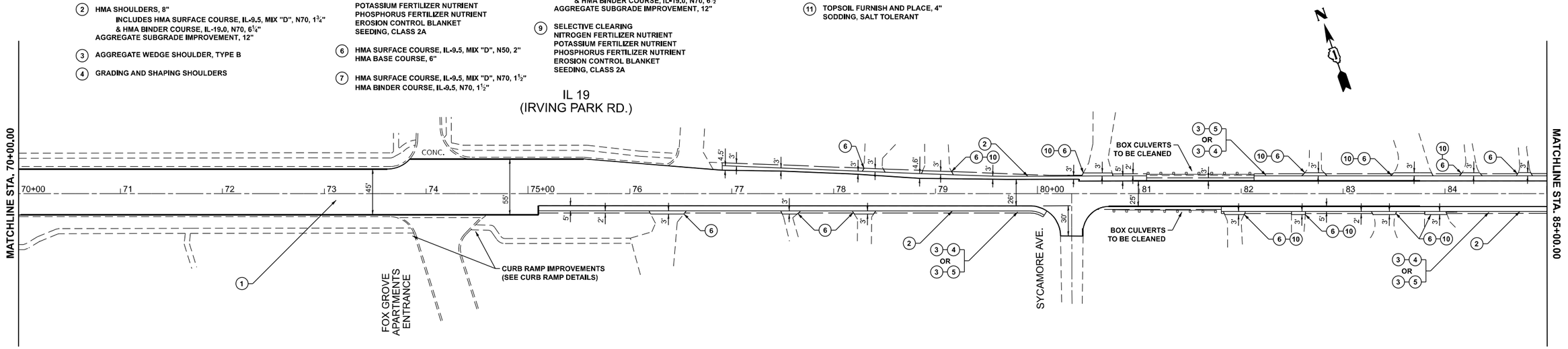
EXISTING LEGEND

- (A) HMA SURFACE REMOVAL 3¾"
- (B) DRIVEWAY PAVEMENT REMOVAL
- (C) EARTH EXCAVATION (FOR PR SHOULDER WORK)
- (D) PAVEMENT REMOVAL
- (E) HMA SURFACE REMOVAL 3"
- (F) REMOVE EXISTING BRICK PAVERS

EXISTING

PROPOSED LEGEND

1. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   & HMA BINDER COURSE, IL-19.0, N70, 6¼"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. AGGREGATE WEDGE SHOULDER, TYPE B
4. GRADING AND SHAPING SHOULDERS
5. GRADING AND SHAPING DITCHES
   TOPSOIL FURNISH AND PLACE, 4"
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   HMA BINDER COURSE, IL-9.5, N70, 1½"
8. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   & HMA BINDER COURSE, IL-19.0, N70, 6½"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
9. SELECTIVE CLEARING
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
10. PIPE CULVERTS TO BE CLEANED 12" OR
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT



PROPOSED

MODEL: IL19 - DblPlan05
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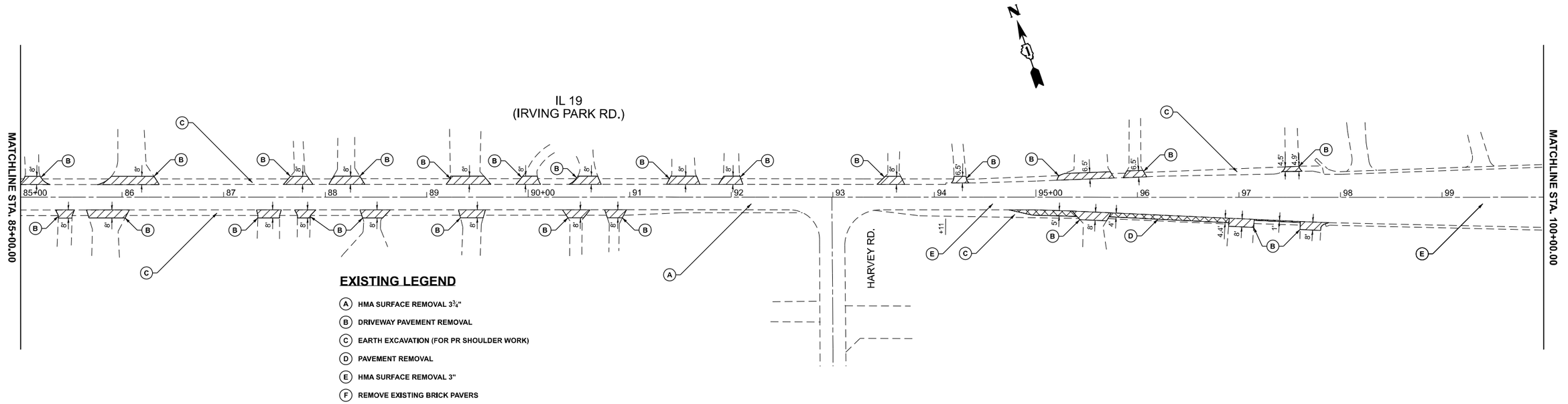
USER NAME = Farhan,Tariq	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 6/25/2024	DATE -	REVISED -	

EXISTING AND PROPOSED ROADWAY PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 70+00.00 | TO STA. 85+00.00

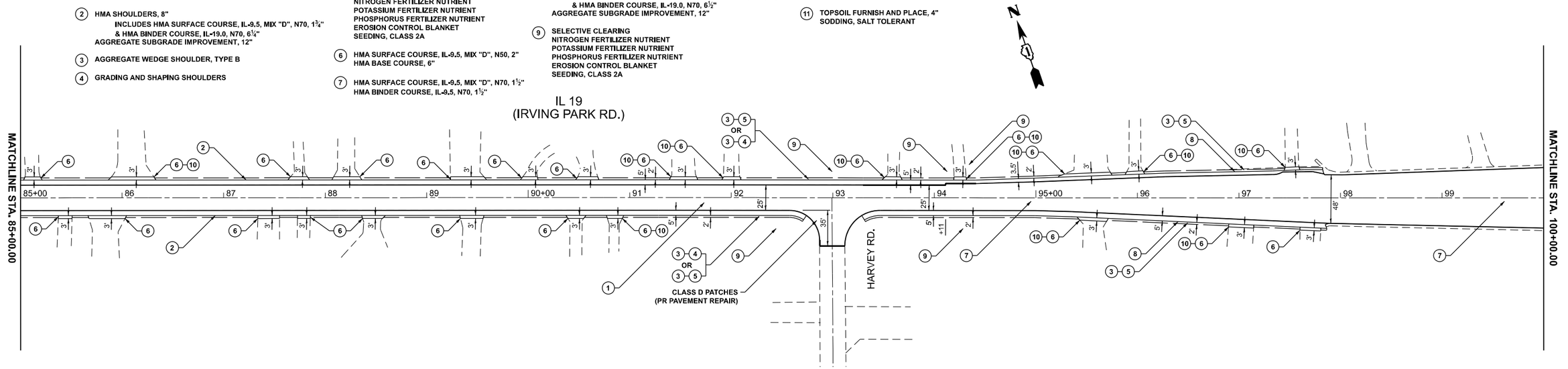
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	17
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



EXISTING

PROPOSED LEGEND

1. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   & HMA BINDER COURSE, IL-19.0, N70, 6¼"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. AGGREGATE WEDGE SHOULDER, TYPE B
4. GRADING AND SHAPING SHOULDERS
5. GRADING AND SHAPING DITCHES
   TOPSOIL FURNISH AND PLACE, 4"
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   HMA BINDER COURSE, IL-9.5, N70, 1½"
8. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   & HMA BINDER COURSE, IL-19.0, N70, 6½"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
9. SELECTIVE CLEARING
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
10. PIPE CULVERTS TO BE CLEANED 12" OR
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT



PROPOSED

USER NAME = Farhan,Tariq	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 6/27/2024	DATE -	REVISED -	

EXISTING AND PROPOSED ROADWAY PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 85+00.00 | TO STA. 100+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	18
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		

MODEL: IL19 - DblPlan06
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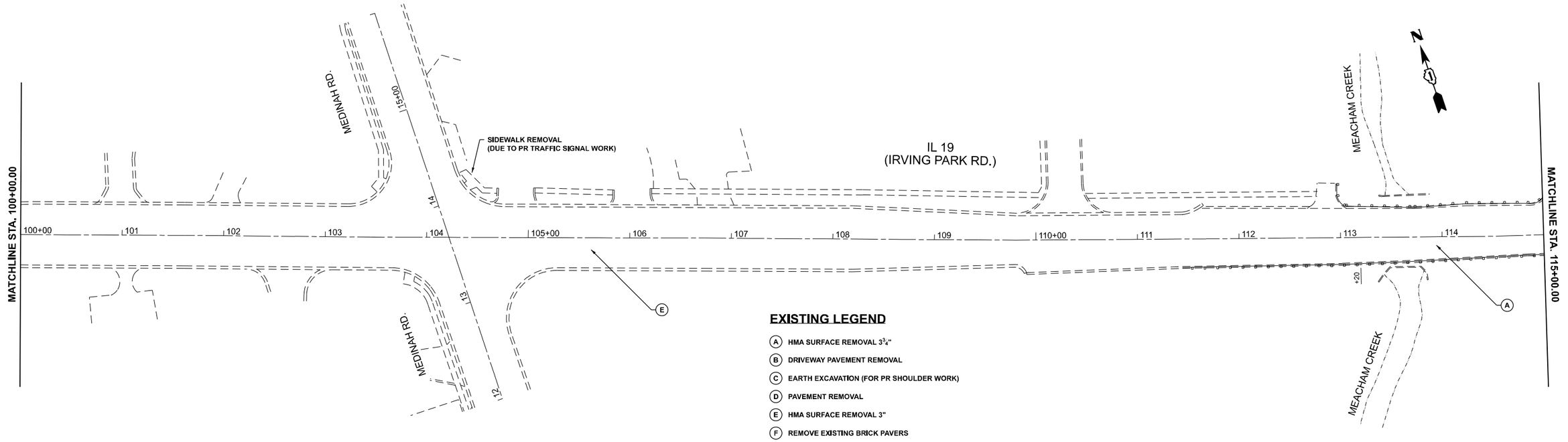


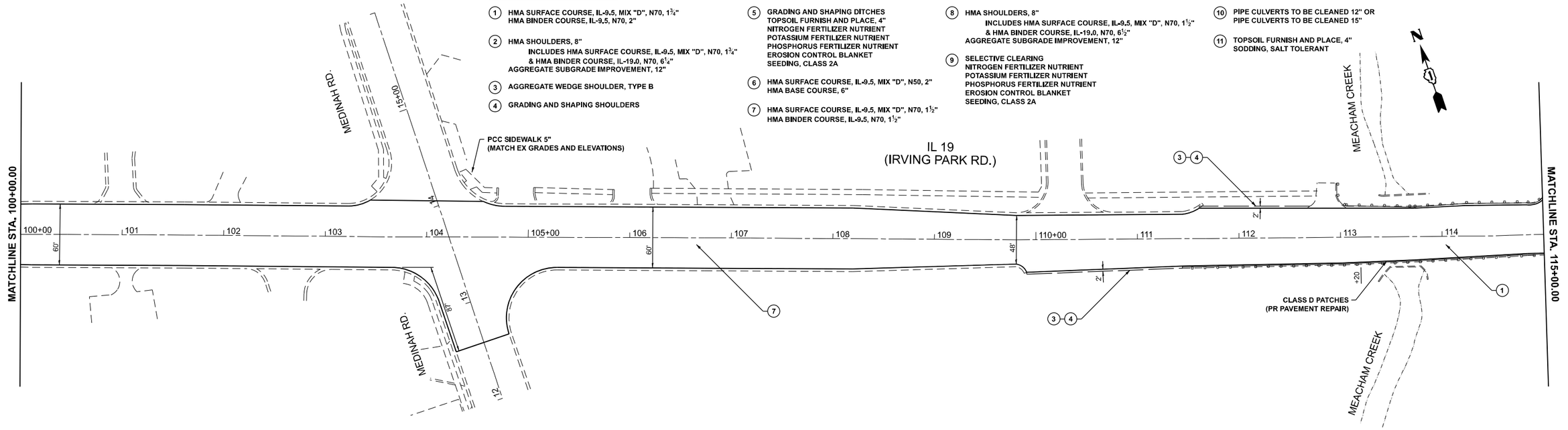
EXISTING LEGEND

- (A) HMA SURFACE REMOVAL $3\frac{3}{4}$"
- (B) DRIVEWAY PAVEMENT REMOVAL
- (C) EARTH EXCAVATION (FOR PR SHOULDER WORK)
- (D) PAVEMENT REMOVAL
- (E) HMA SURFACE REMOVAL 3"
- (F) REMOVE EXISTING BRICK PAVERS

EXISTING

PROPOSED LEGEND

1. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{3}{4}$"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{3}{4}$"
   & HMA BINDER COURSE, IL-19.0, N70, $6\frac{1}{4}$"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. AGGREGATE WEDGE SHOULDER, TYPE B
4. GRADING AND SHAPING SHOULDERS
5. GRADING AND SHAPING DITCHES
   TOPSOIL FURNISH AND PLACE, 4"
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{1}{2}$"
   HMA BINDER COURSE, IL-9.5, N70, $1\frac{1}{2}$"
8. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{1}{2}$"
   & HMA BINDER COURSE, IL-19.0, N70, $6\frac{1}{2}$"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
9. SELECTIVE CLEARING
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
10. PIPE CULVERTS TO BE CLEANED 12" OR
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT



PROPOSED

USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/25/2024	DATE -	REVISED -	

EXISTING AND PROPOSED ROADWAY PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 100+00.00 | TO STA. 115+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	19
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

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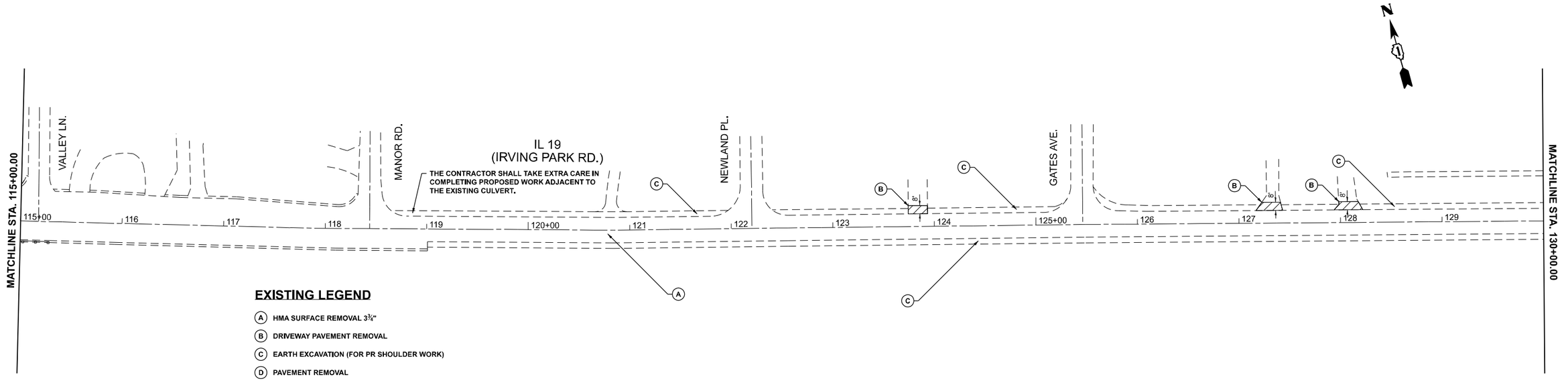
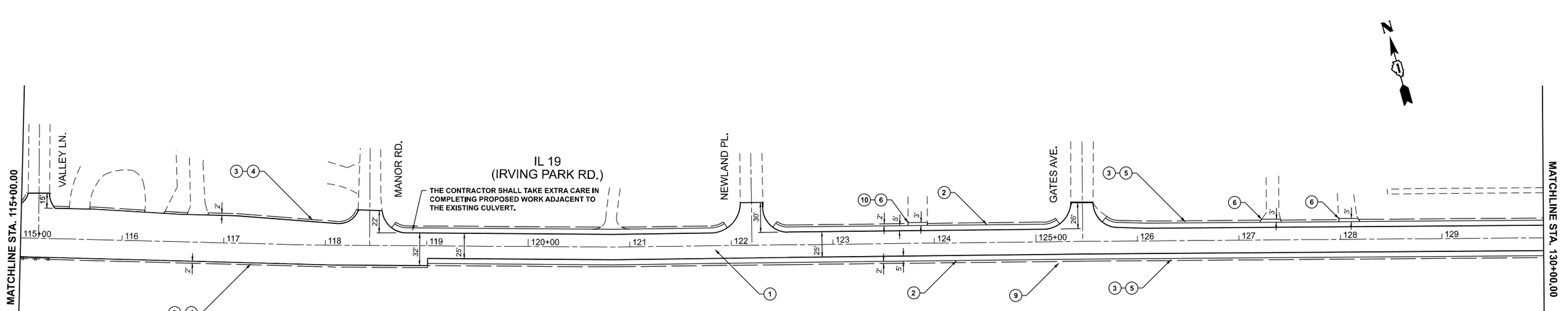


EXISTING



PROPOSED

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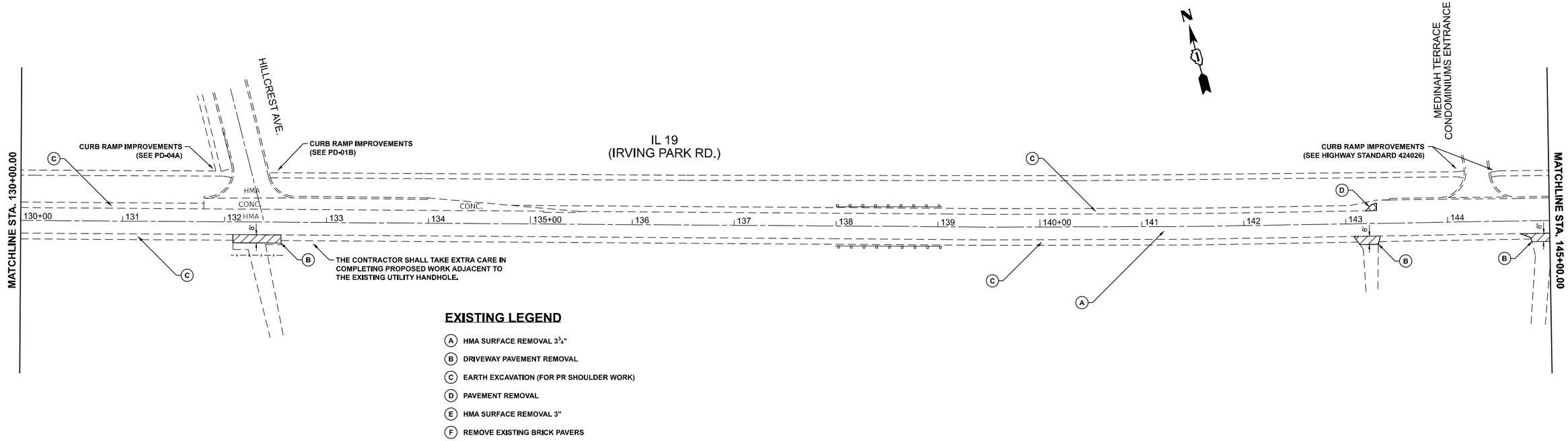
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/25/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 115+00.00 TO STA. 130+00.00

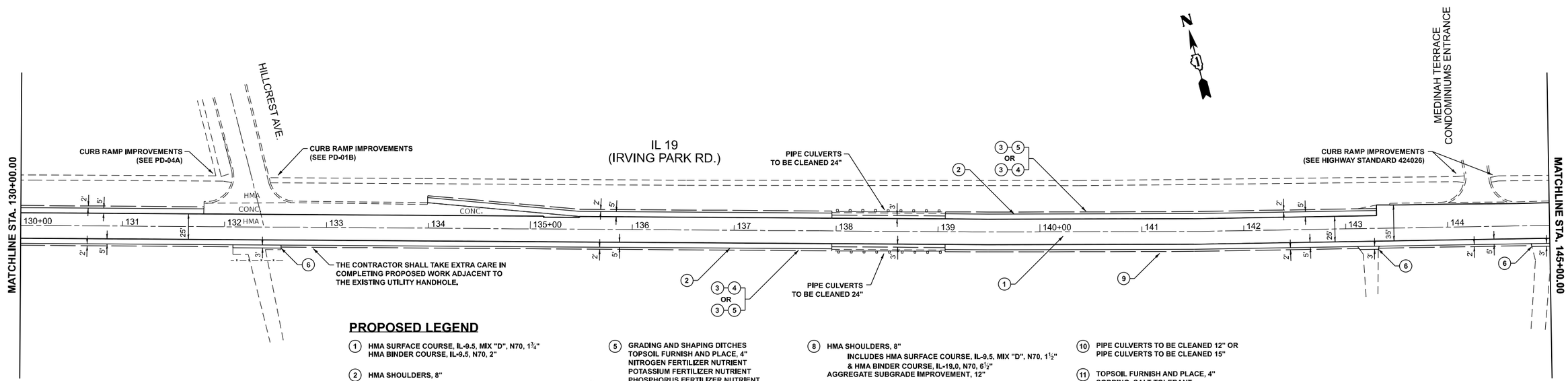
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	20
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



EXISTING LEGEND

- (A) HMA SURFACE REMOVAL $3\frac{3}{4}$"
- (B) DRIVEWAY PAVEMENT REMOVAL
- (C) EARTH EXCAVATION (FOR PR SHOULDER WORK)
- (D) PAVEMENT REMOVAL
- (E) HMA SURFACE REMOVAL 3"
- (F) REMOVE EXISTING BRICK PAVERS

EXISTING



PROPOSED LEGEND

1. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{3}{4}$"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{3}{4}$"
   & HMA BINDER COURSE, IL-19.0, N70, $6\frac{1}{4}$"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. AGGREGATE WEDGE SHOULDER, TYPE B
4. GRADING AND SHAPING SHOULDERS
5. GRADING AND SHAPING DITCHES
   TOPSOIL FURNISH AND PLACE, 4"
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{1}{2}$"
   HMA BINDER COURSE, IL-9.5, N70, $1\frac{1}{2}$"
8. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{1}{2}$"
   & HMA BINDER COURSE, IL-19.0, N70, $6\frac{1}{2}$"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
9. SELECTIVE CLEARING
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
10. PIPE CULVERTS TO BE CLEANED 12" OR
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT

PROPOSED

MODEL: IL19 - DblPlan09
FILE NAME: c:\pw_work\pwidottariq\md0905115\D116322-sht-planDouble.dgn

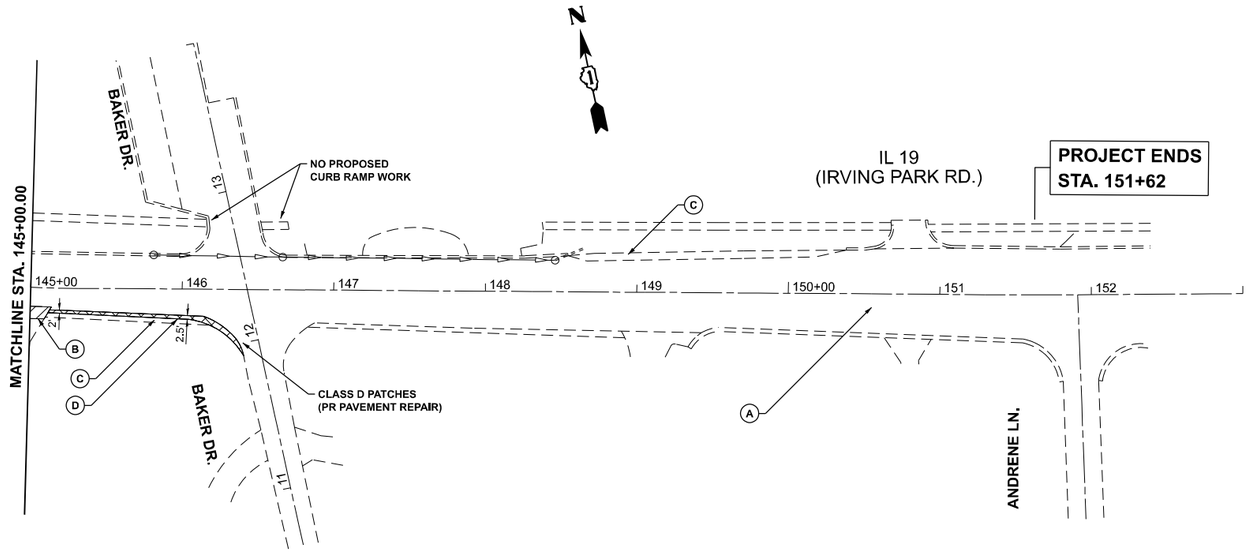
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/25/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 130+00.00 | TO STA. 145+00.00

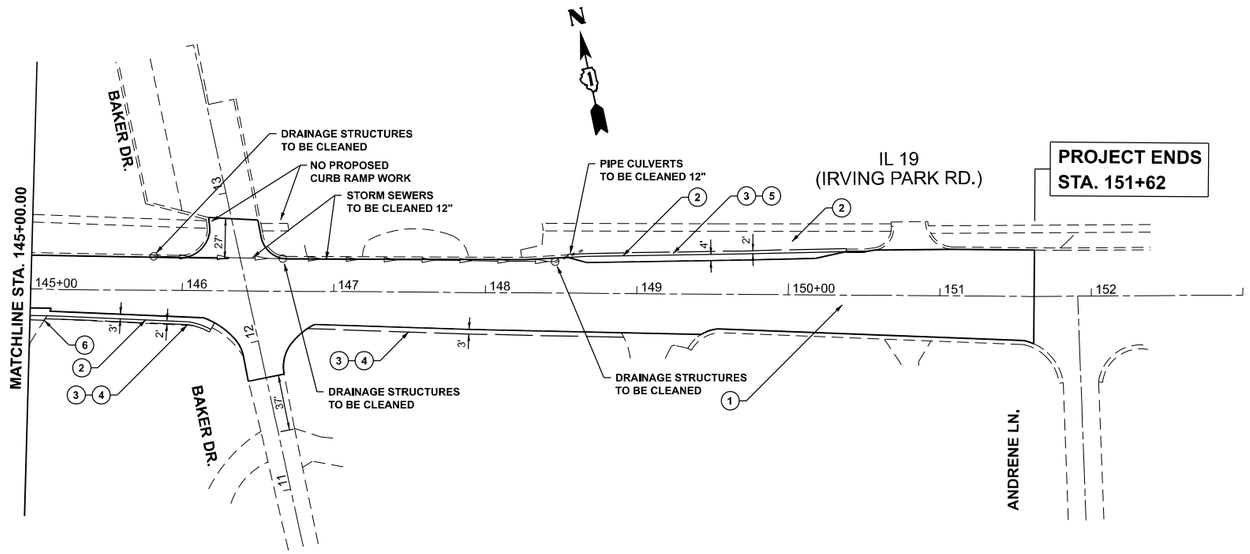
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	21
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



EXISTING LEGEND

- (A) HMA SURFACE REMOVAL 3¾"
- (B) DRIVEWAY PAVEMENT REMOVAL
- (C) EARTH EXCAVATION (FOR PR SHOULDER WORK)
- (D) PAVEMENT REMOVAL
- (E) HMA SURFACE REMOVAL 3"
- (F) REMOVE EXISTING BRICK PAVERS

EXISTING



PROPOSED LEGEND

1. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
   & HMA BINDER COURSE, IL-19.0, N70, 6¼"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. AGGREGATE WEDGE SHOULDER, TYPE B
4. GRADING AND SHAPING SHOULDERS
5. GRADING AND SHAPING DITCHES
   TOPSOIL FURNISH AND PLACE, 4"
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   HMA BINDER COURSE, IL-9.5, N70, 1½"
8. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
   & HMA BINDER COURSE, IL-19.0, N70, 6½"
   AGGREGATE SUBGRADE IMPROVEMENT, 12"
9. SELECTIVE CLEARING
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   PHOSPHORUS FERTILIZER NUTRIENT
   EROSION CONTROL BLANKET
   SEEDING, CLASS 2A
10. PIPE CULVERTS TO BE CLEANED 12" OR
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT

PROPOSED

MODEL: IL19 - DblPlan10
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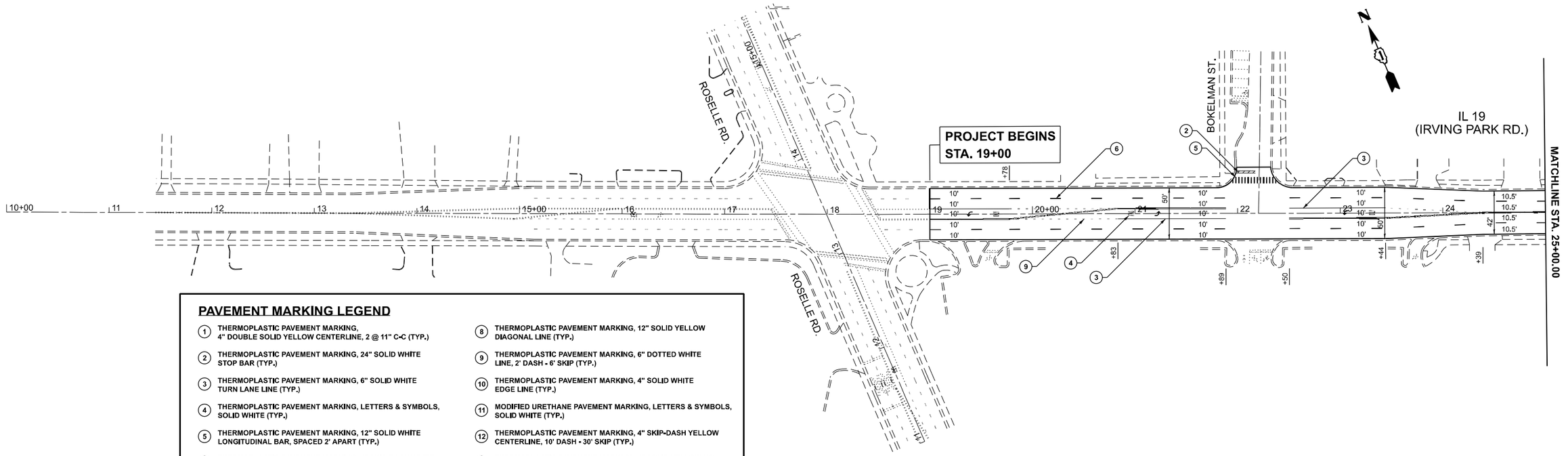
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/25/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

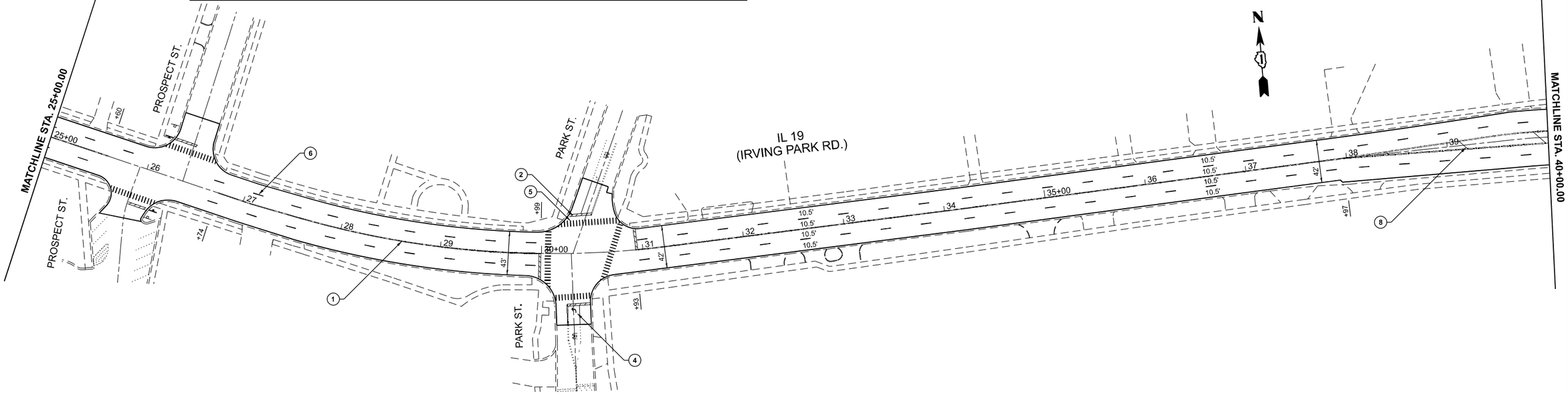
SCALE: 1"=50' | SHEET OF SHEETS | STA. 145+00.00 | TO STA. 155+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	22
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE SHOULDER DIAGONAL LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
11. MODIFIED URETHANE PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW CENTERLINE, 10' DASH - 30' SKIP (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW NO PASSING ZONE LINE FOR ONE DIRECTION, 5½" C-C FROM SKIP-DASH CENTERLINE (TYP.)
14. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 3' DASH - 9' SKIP (TYP.)



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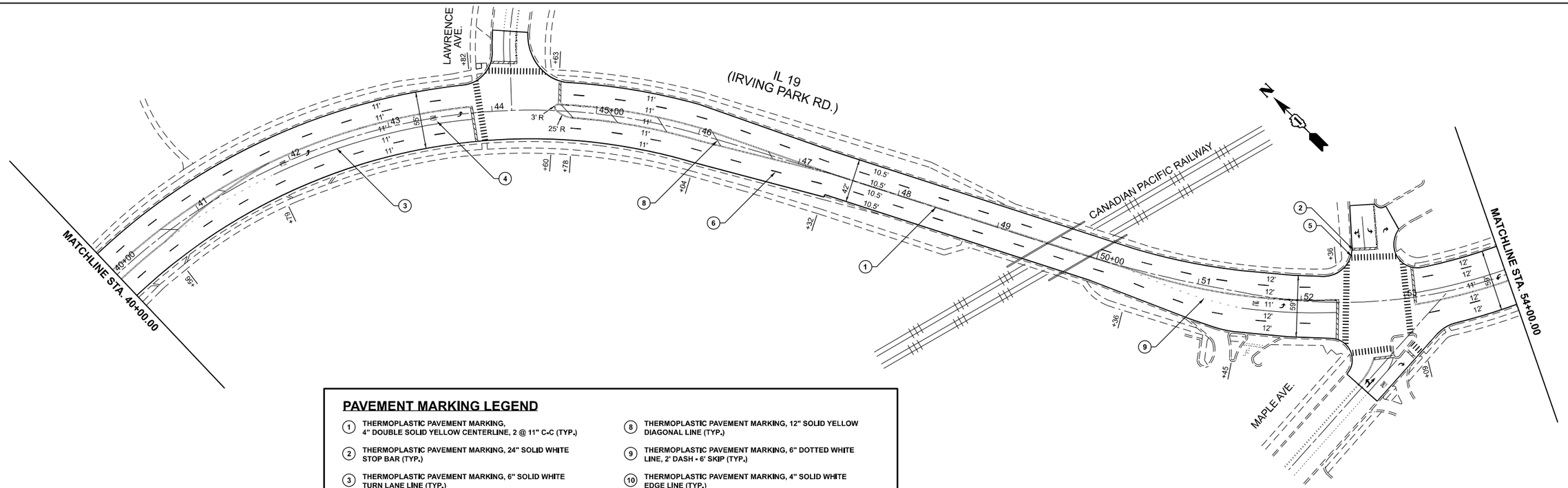
USER NAME = Farhan.Tarkq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/24/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

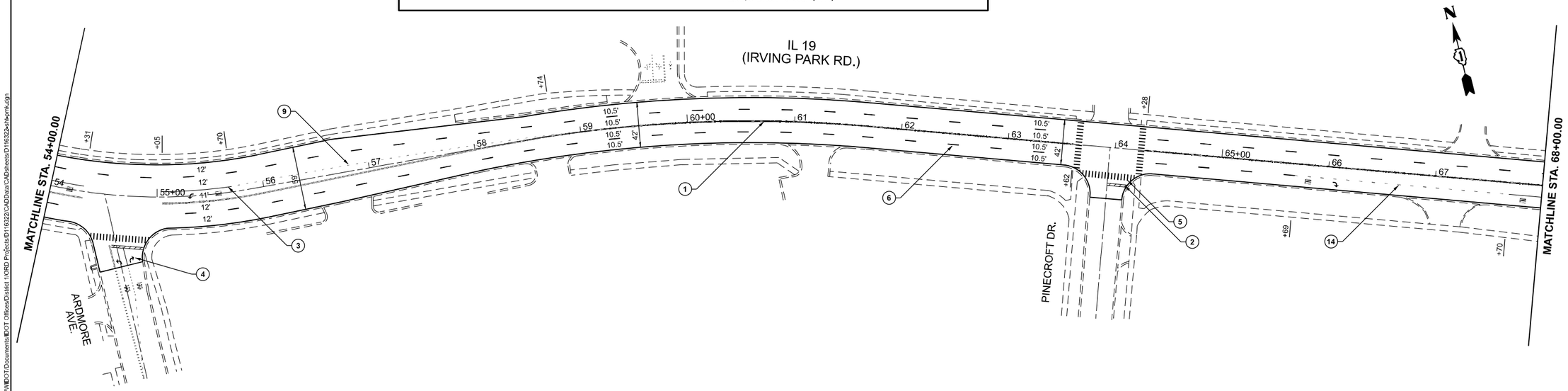
SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	23
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE SHOULDER DIAGONAL LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
11. MODIFIED URETHANE PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW CENTERLINE, 10' DASH - 30' SKIP (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW NO PASSING ZONE LINE FOR ONE DIRECTION, 5½" C-C FROM SKIP-DASH CENTERLINE (TYP.)
14. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 3' DASH - 9' SKIP (TYP.)



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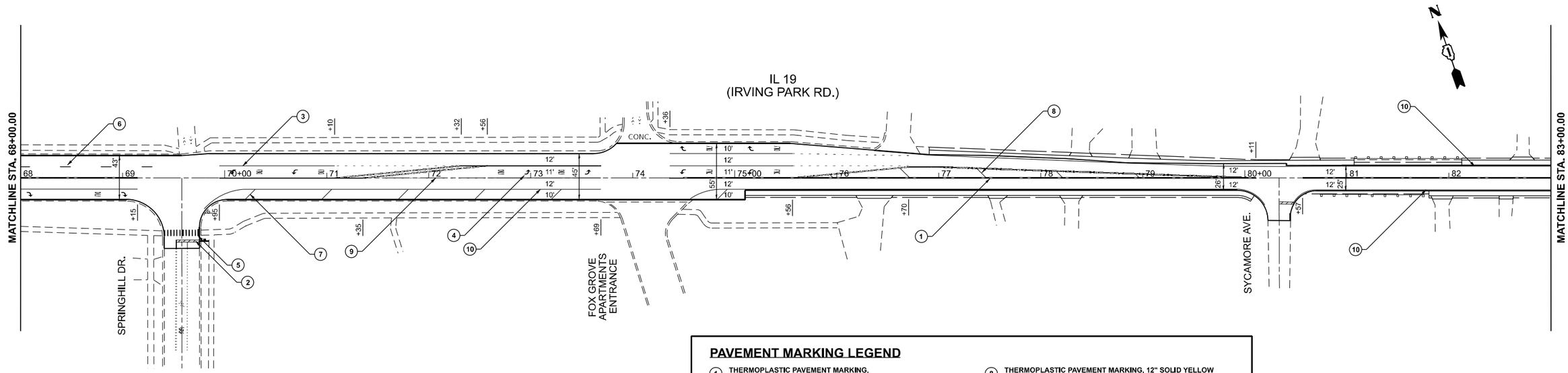
USER NAME = Farhan.Tarkq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/24/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

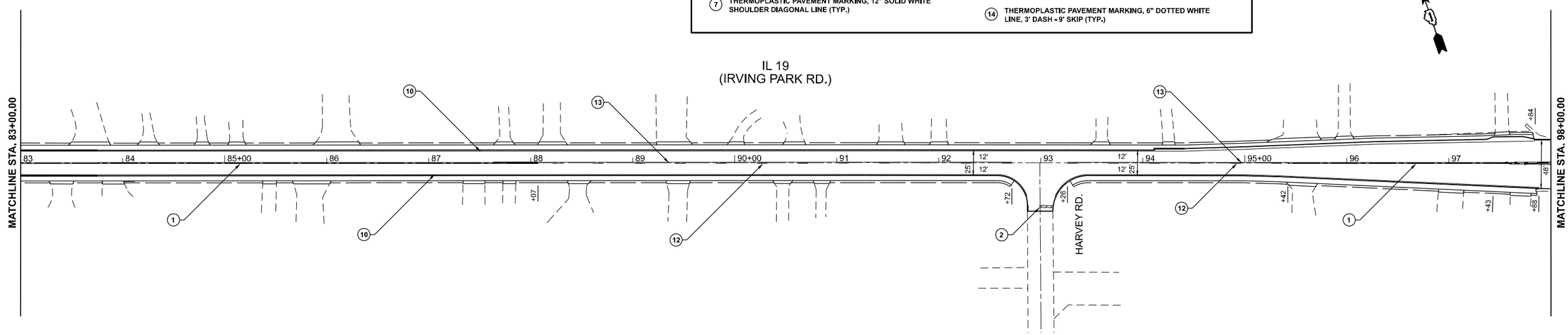
SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	24
		CONTRACT NO. 62R60		
		ILLINOIS	FED. AID PROJECT	



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE SHOULDER DIAGONAL LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
11. MODIFIED URETHANE PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW CENTERLINE, 10' DASH - 30' SKIP (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW NO PASSING ZONE LINE FOR ONE DIRECTION, 5½" C-C FROM SKIP-DASH CENTERLINE (TYP.)
14. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 3' DASH - 9' SKIP (TYP.)



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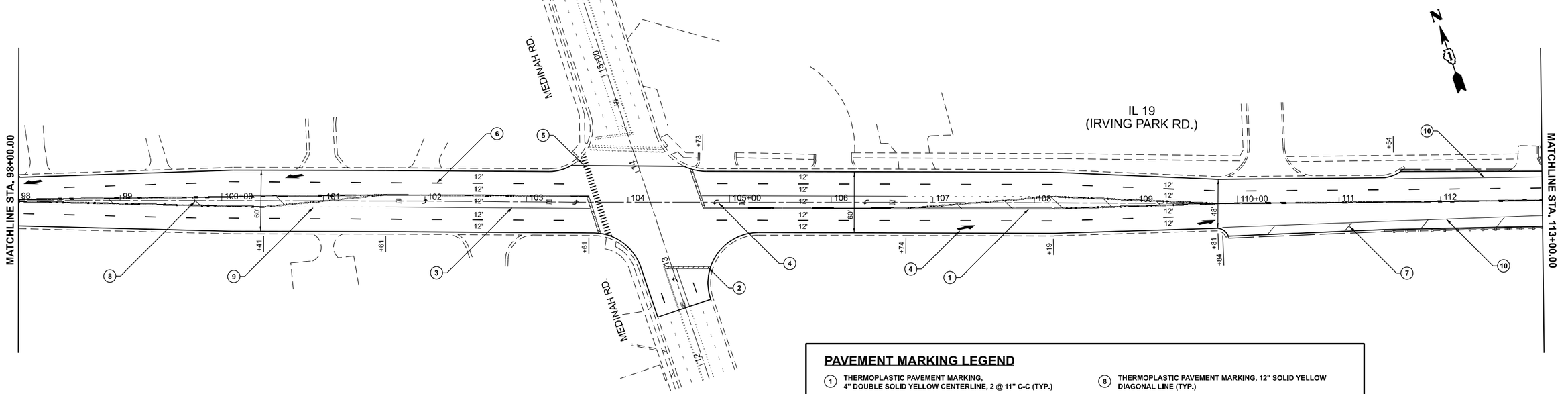
USER NAME = Farhan.Tarkq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/24/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

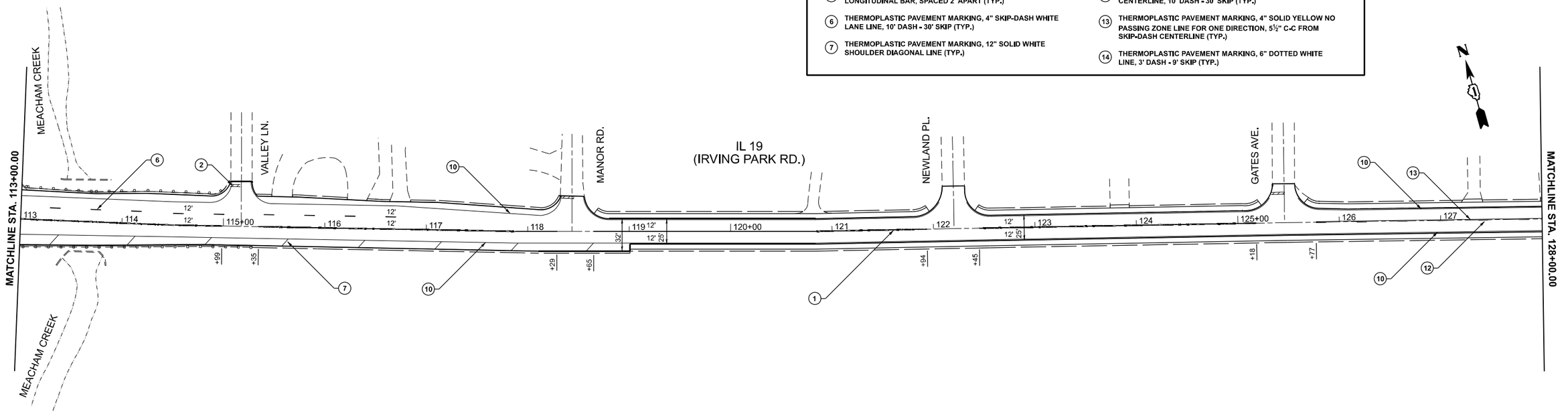
SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	25
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE SHOULDER DIAGONAL LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
11. MODIFIED URETHANE PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW CENTERLINE, 10' DASH - 30' SKIP (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW NO PASSING ZONE LINE FOR ONE DIRECTION, 5½" C-C FROM SKIP-DASH CENTERLINE (TYP.)
14. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 3' DASH - 9' SKIP (TYP.)



USER NAME = Farhan.Tarkq	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	PAVEMENT MARKING PLAN
PLOT DATE = 6/24/2024	DATE -	REVISED -	IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	26
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

MODEL: IL19_E - RdwyPlan07
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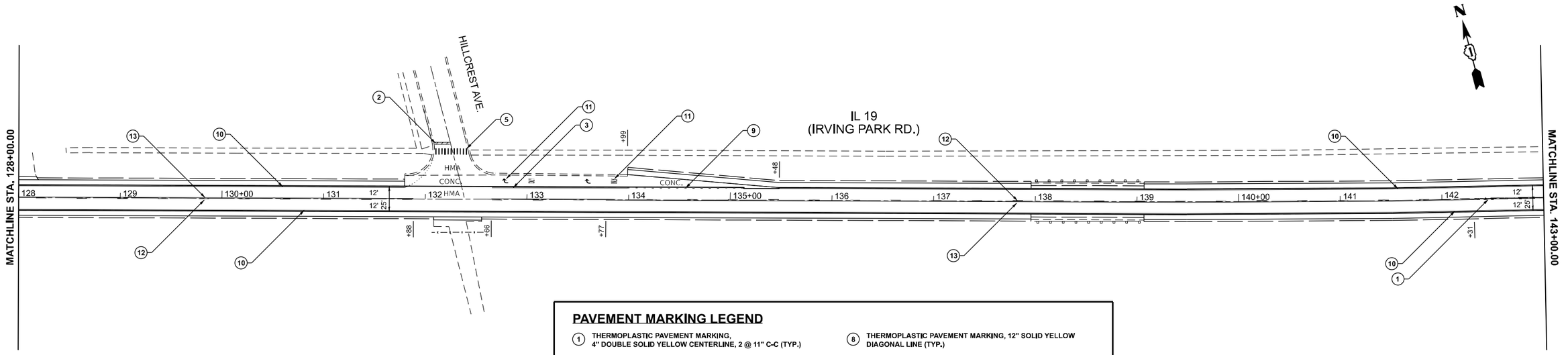
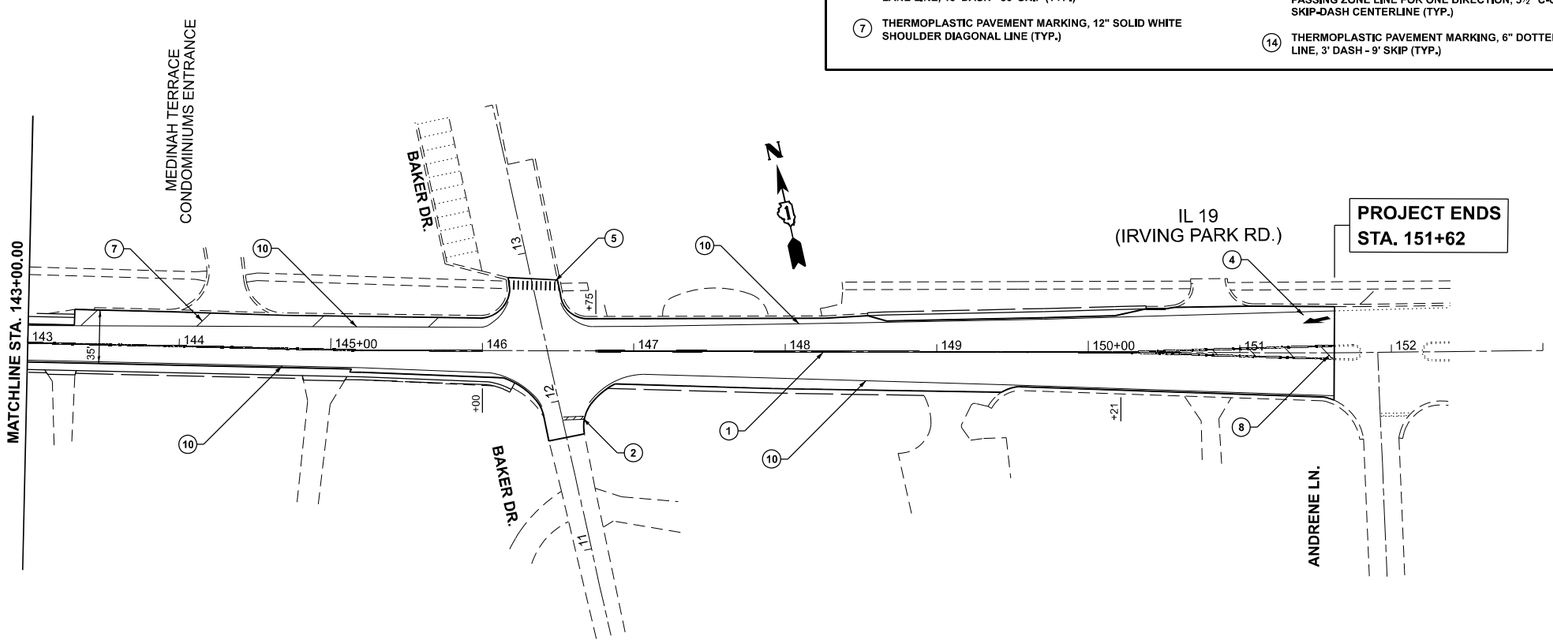


PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE SHOULDER DIAGONAL LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
11. MODIFIED URETHANE PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW CENTERLINE, 10' DASH - 30' SKIP (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW NO PASSING ZONE LINE FOR ONE DIRECTION, 5½" C-C FROM SKIP-DASH CENTERLINE (TYP.)
14. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 3' DASH - 9' SKIP (TYP.)



USER NAME = Farhan.Tarkq	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/24/2024	DATE -	REVISED -	

PAVEMENT MARKING PLAN
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	27
		CONTRACT NO. 62R60		
		ILLINOIS	FED. AID PROJECT	

MODEL: IL 19_E - RdwyPlan09
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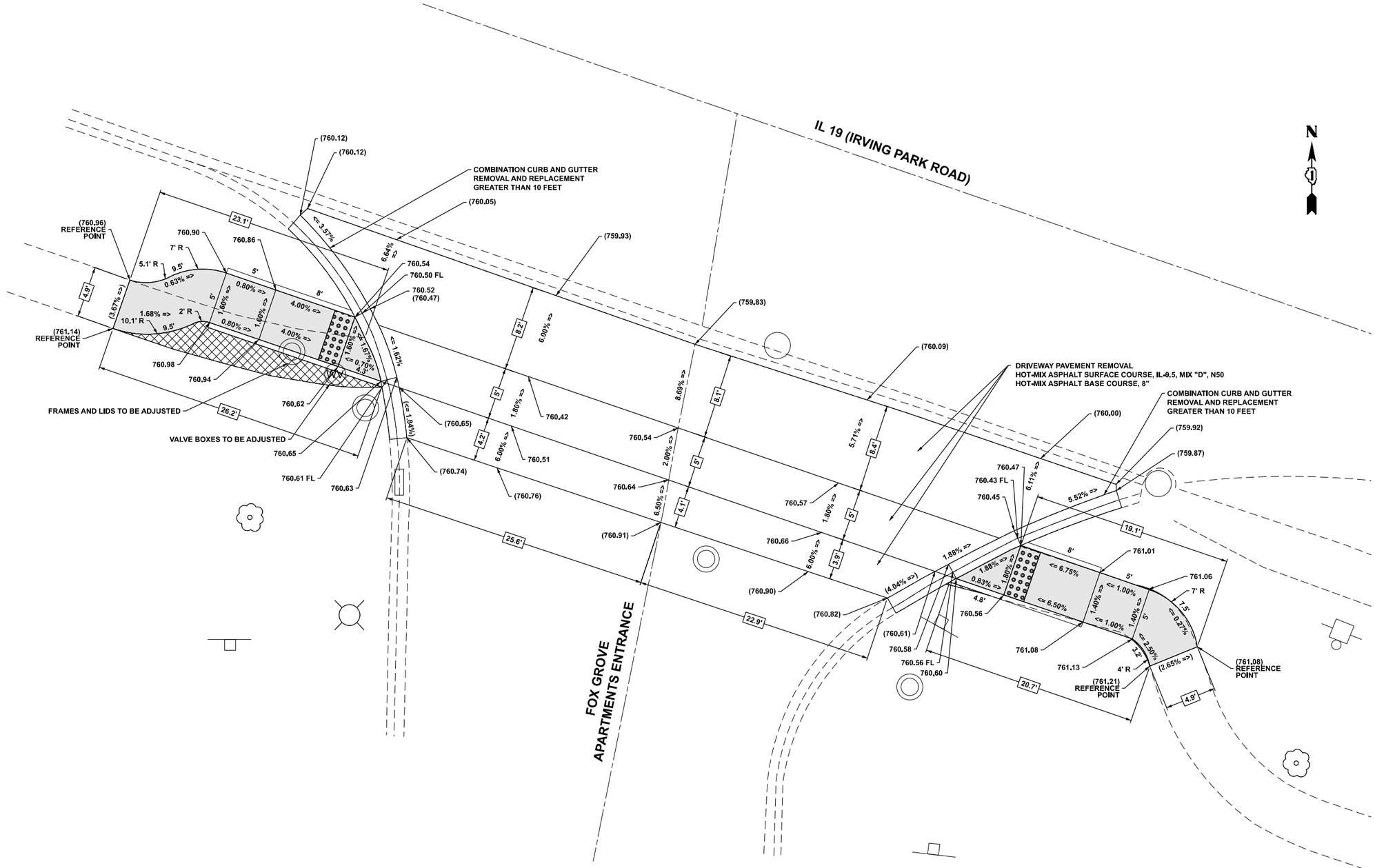

REFERENCE BENCHMARK ELEVATION = 761.68

BENCHMARK = CHISELED SQUARE CUT ON THE NORTH CONCRETE BASE OF LIGHT POLE

LOCATION = SOUTHWEST CORNER OF IL 19 AND FOX GROVE APARTMENTS ENTRANCE

LEGEND

- xx.xx' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	FT, 8/9/2024
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/30/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT FOX GROVE APARTMENTS ENTR.
IL 19 (ROSELLE RD. TO EAST OF BAKER DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	28
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

MODEL: Plan Single [Sheet]
FILE NAME: Z:_IDOTCAD_ORD Folder Master_Master Files\IDOTCAD_CONNECT\Configuration\Organization-Civil\IDOT_Standards\Dgnlib\Sheet Seeds\Civil_Named_Boundary_SheetSeeds.dgnlib

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P	P
SAMPLING (SYSTEM) DETECTOR	S	S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS	IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS	QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◄Y ◄G P	R Y G ◄Y ◄G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◄Y ◄G P RB	R Y G ◄Y ◄G P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

MODEL: Plan Single [Sheet]
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USER NAME = eric.l.thomas	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - LP	REVISED -	
PLOT DATE = 8/30/2023	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	29
	TS-05	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

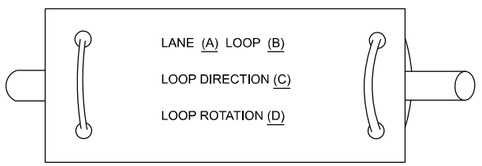
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

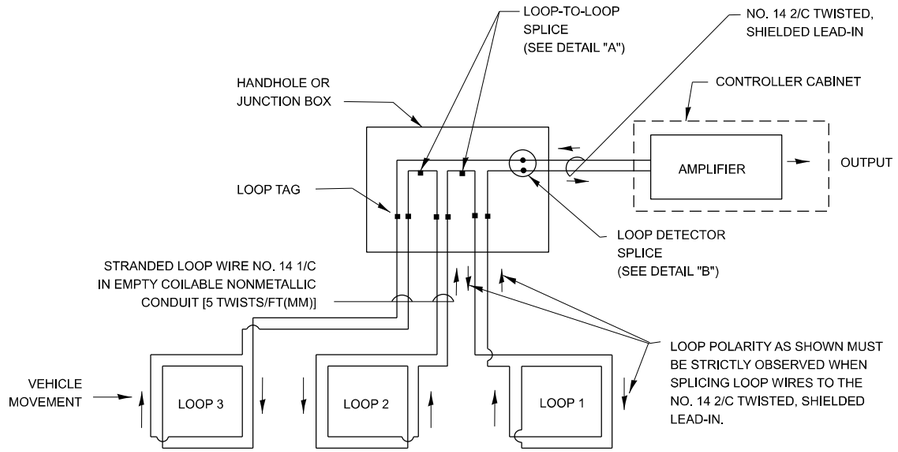


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

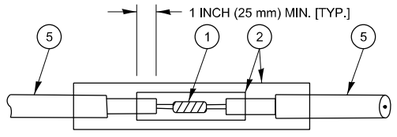
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

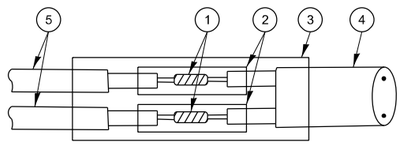


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

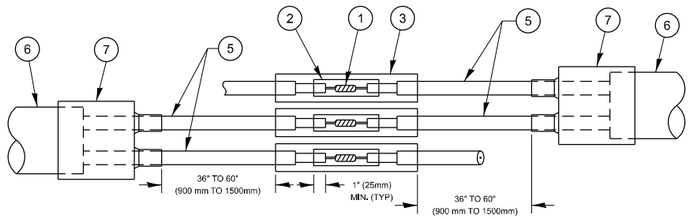


DETAIL "A"
LOOP-TO-LOOP SPLICE



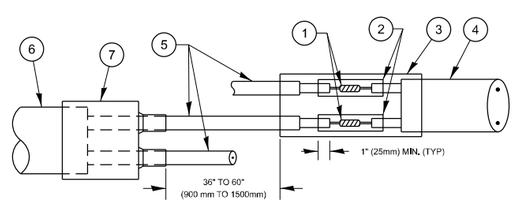
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

USER NAME = eric.l.thomas	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/30/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

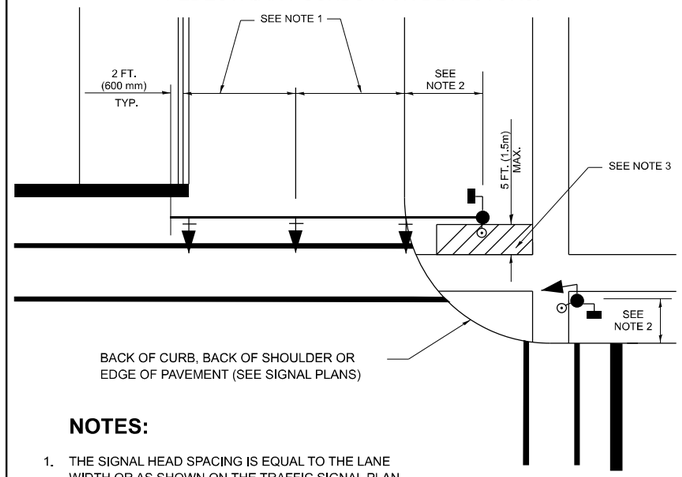
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	30
	TS-05	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

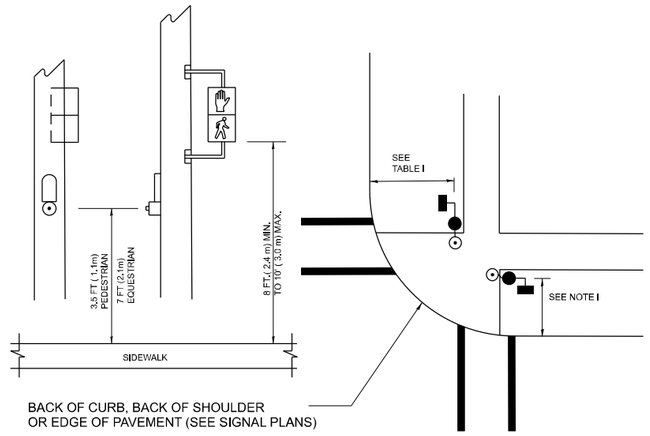
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

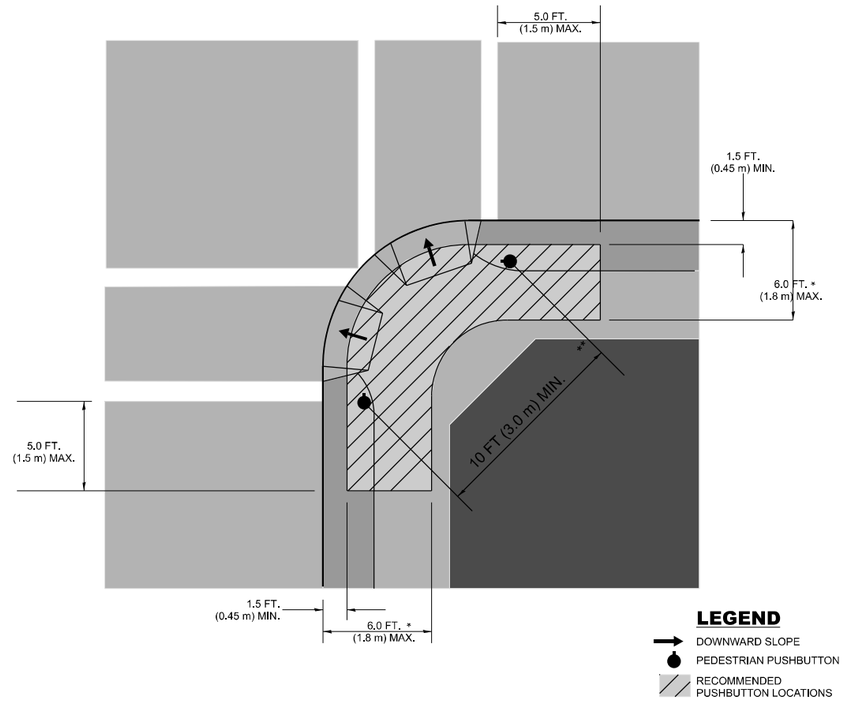
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

MODEL: Plan Single [Sheet]
FILE NAME: Z:_IDOTCAD_ORD Folder Master_Master Files\IDOTCAD_CONNECT\Configuration\Organization-Civil\IDOT_Standards\Dgnlib\Sheet Seeds\Civil_Named_Boundary_SheetSeeds.dgnlib

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	DRAWN -	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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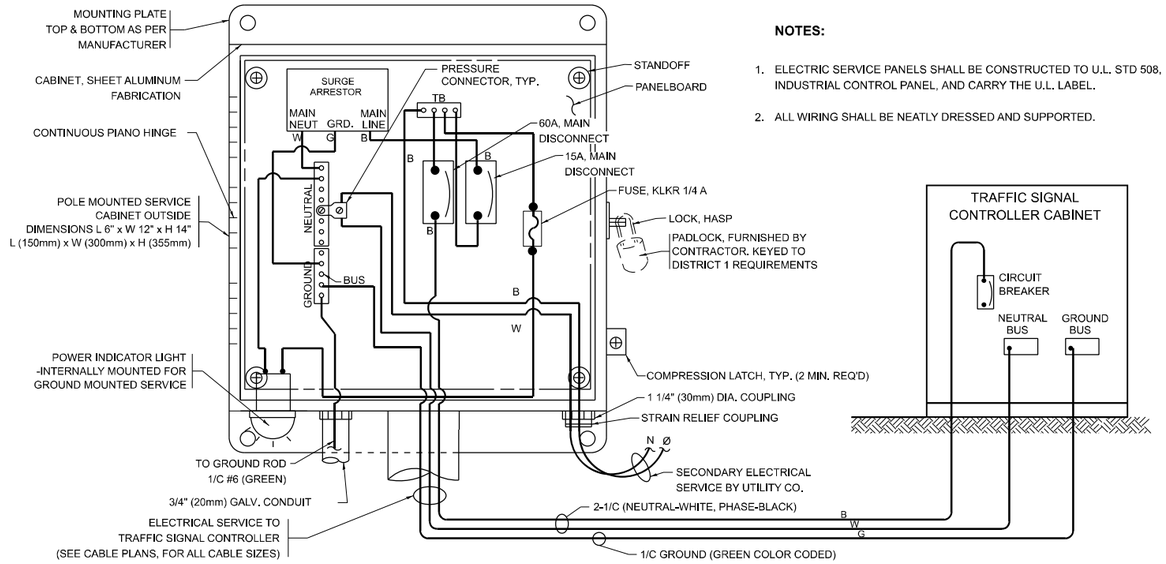
	TS-05	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

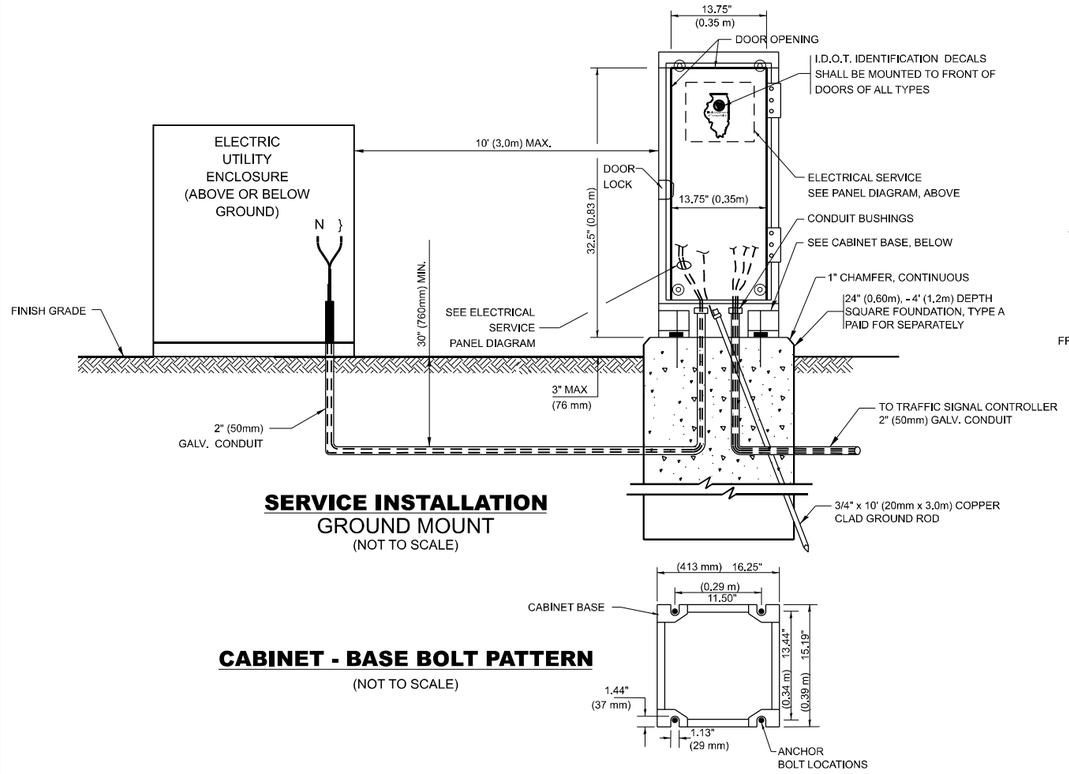


NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

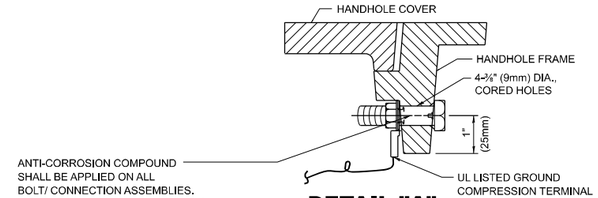
ELECTRICAL SERVICE - PANEL DIAGRAM
(TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)

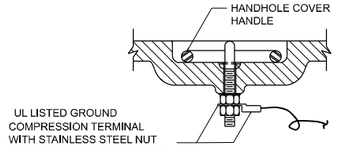


SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)

CABINET - BASE BOLT PATTERN
(NOT TO SCALE)



DETAIL "A"

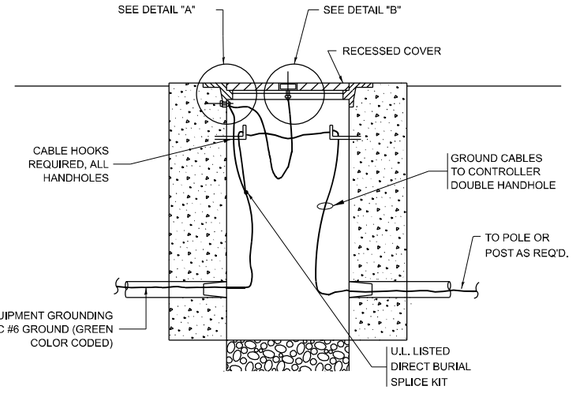


DETAIL "B"

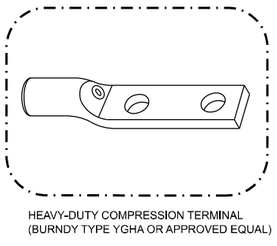
NOTES:

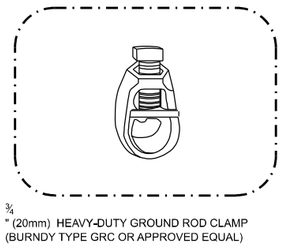
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3,0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



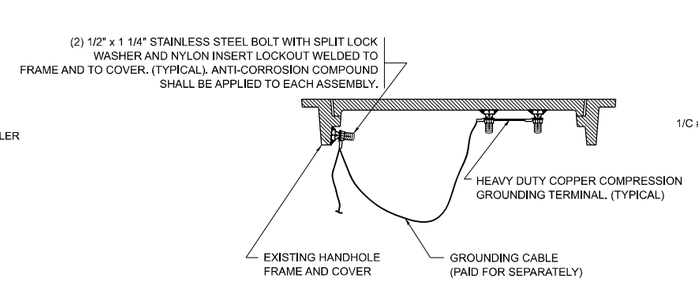
HANDHOLE COVER & FRAME - GROUNDING DETAIL
(NOT TO SCALE)



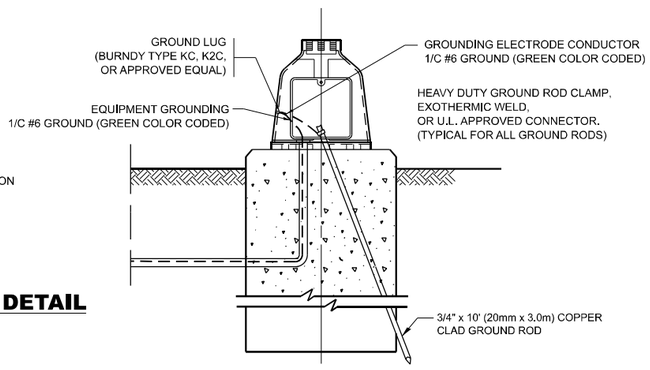


NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
(NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL
(NOT TO SCALE)

USER NAME = eric.l.thomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 8/30/2023	DATE -	REVISED -	

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	32
	TS-05	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

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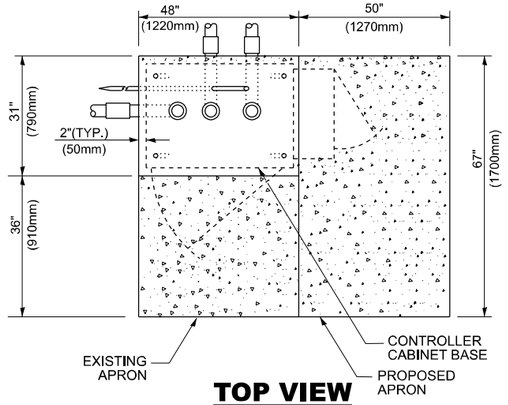
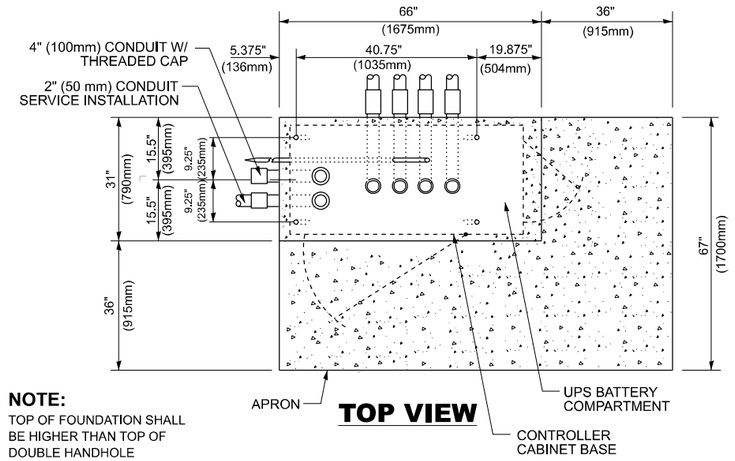
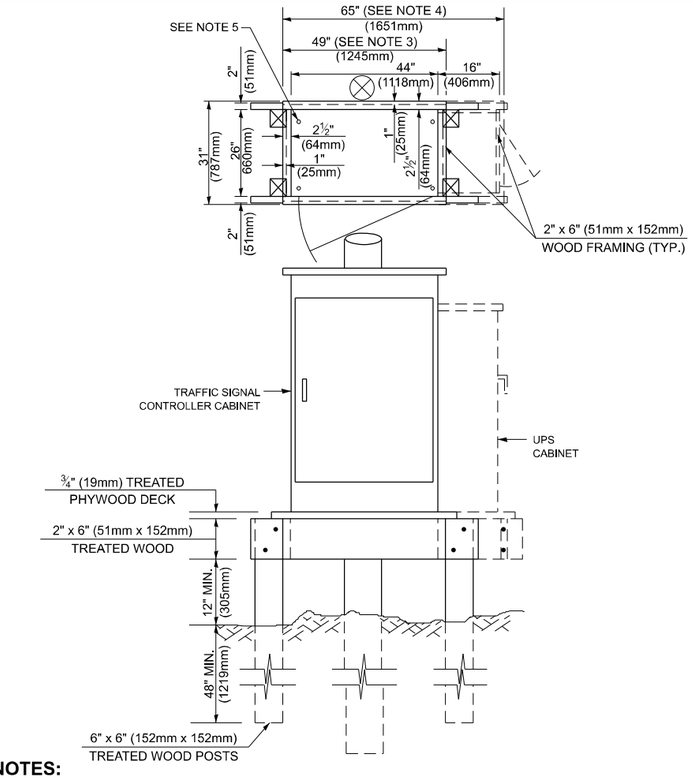


TOP VIEW



NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

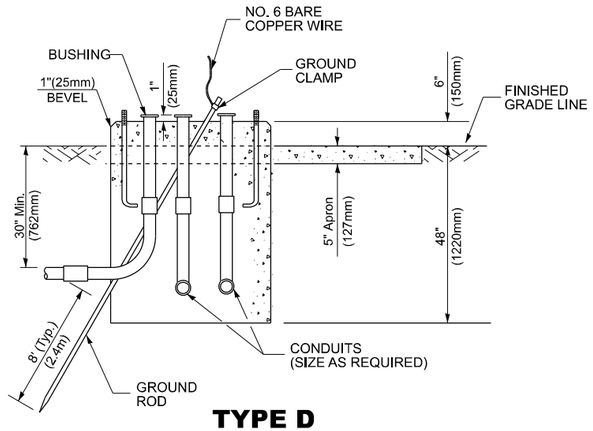
TOP VIEW



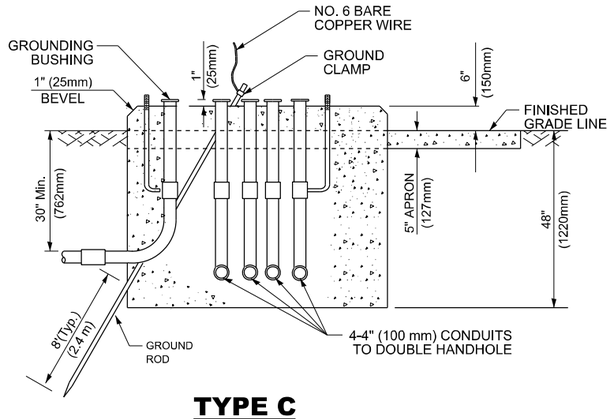
NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM



TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE C
FOR GROUND MOUNTED SUPER P (TYPE IV) AND SUPER R (TYPE V) CONTROLLER CABINETS

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9,1 m)	10'-0" (3,0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9,1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19,8 m) and up to 75' (22,9 m)	25'-0" (7,6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/30/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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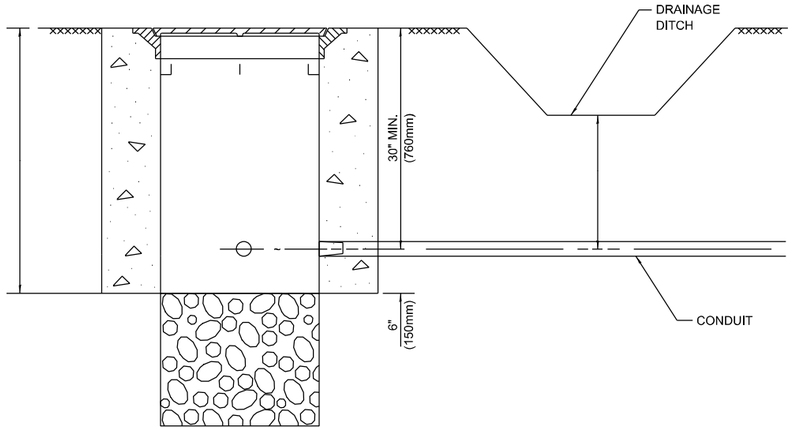
	TS-05	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

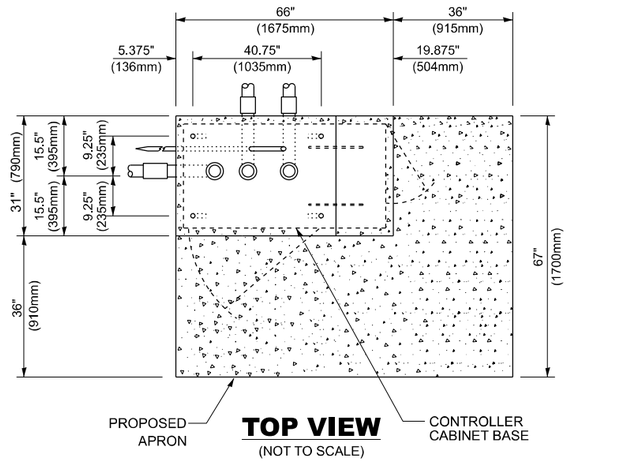


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

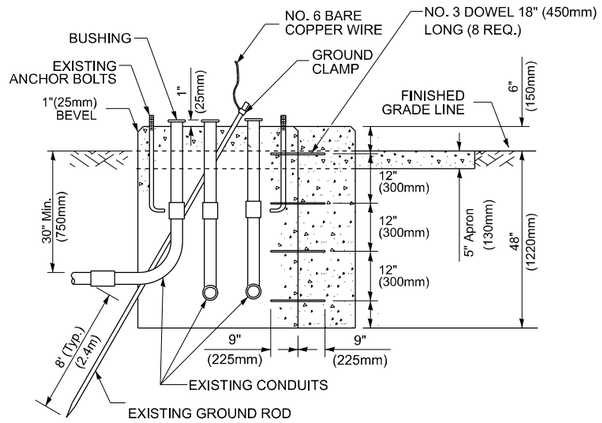
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



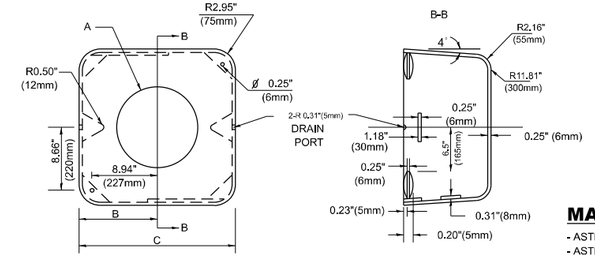
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

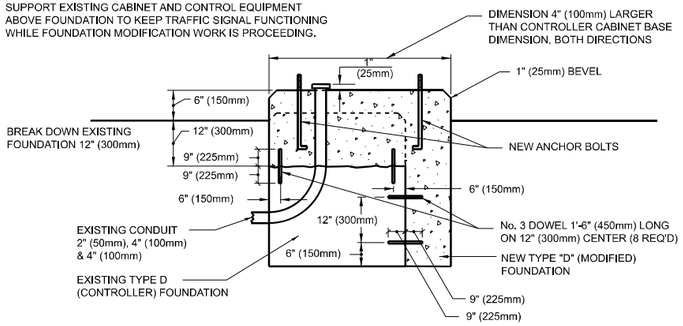
SHROUD

NOTES:

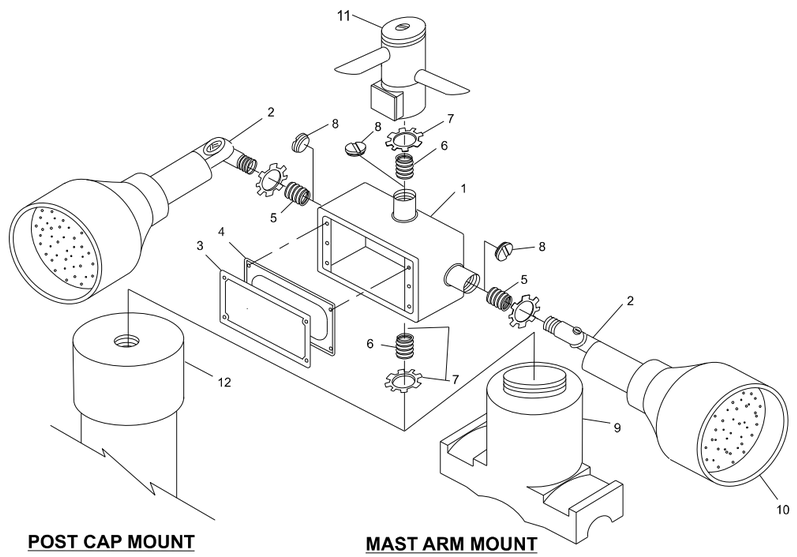
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



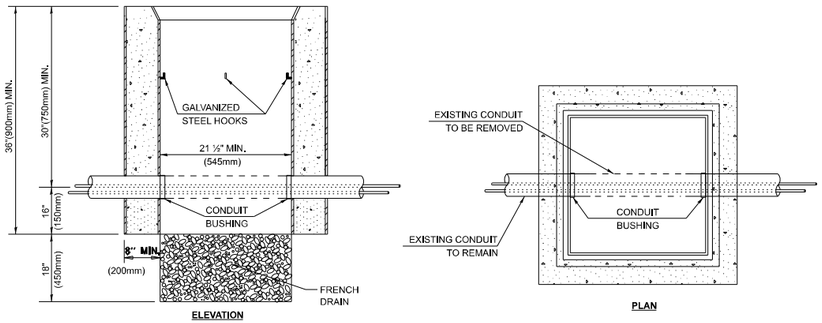
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾" (19 mm) CLOSE NIPPLE
7	¾" (19 mm) LOCKNUT
8	¾" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
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SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	34
	TS-05	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

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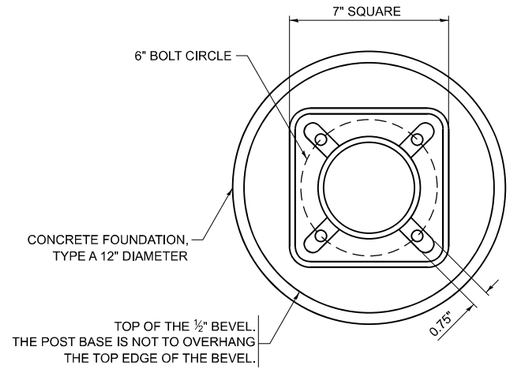
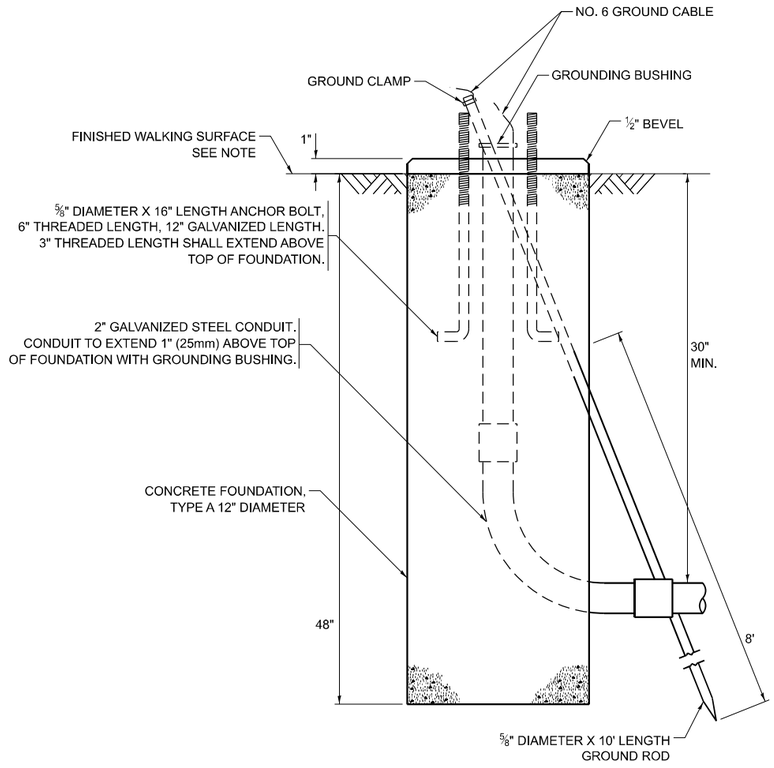


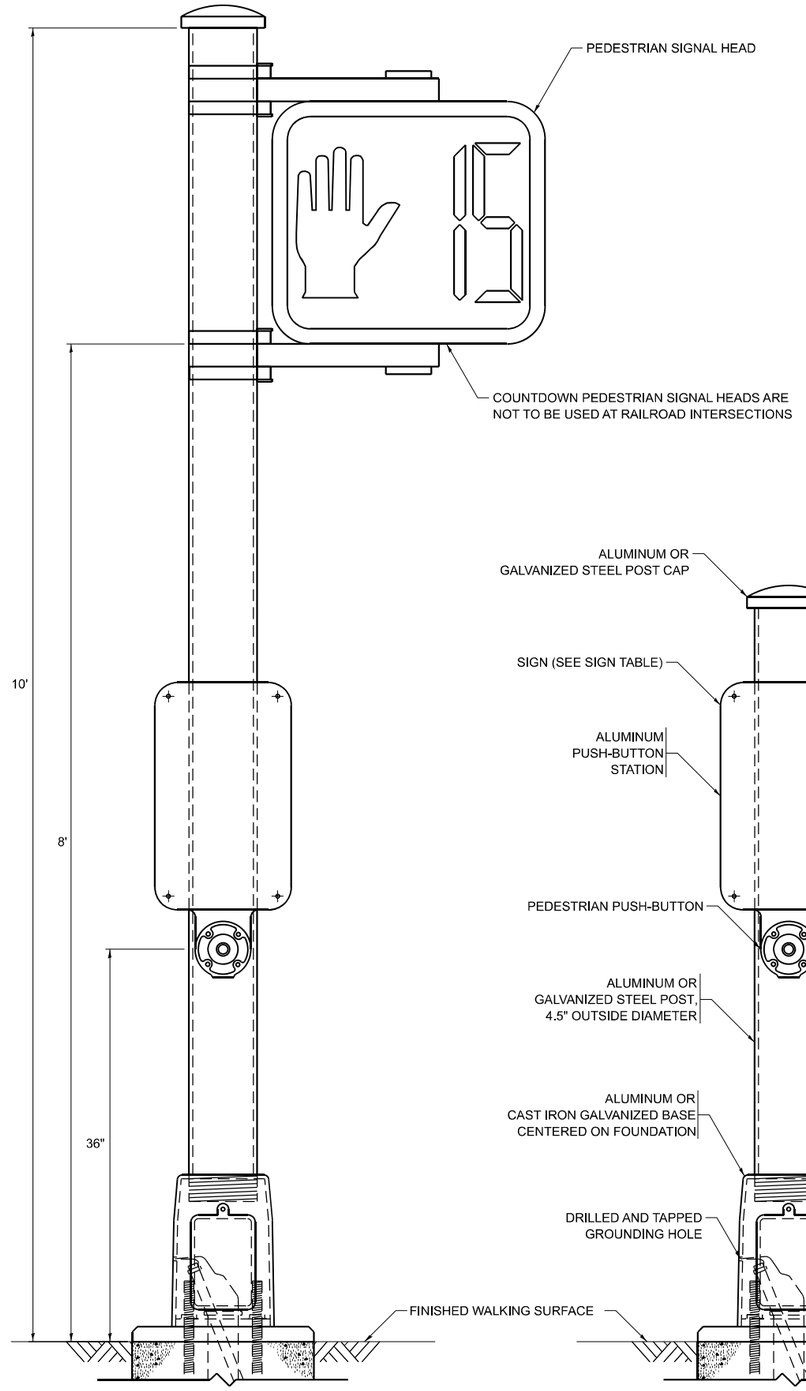
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

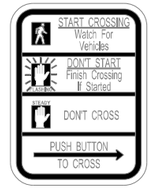


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



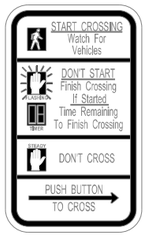
PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b

R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

USER NAME = eric.l.thomas	DESIGNED - IP	REVISED - 10-15-2020	
	DRAWN - IP	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - LP	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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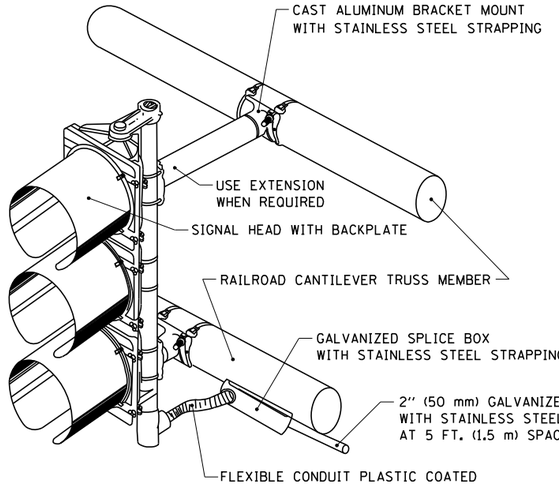
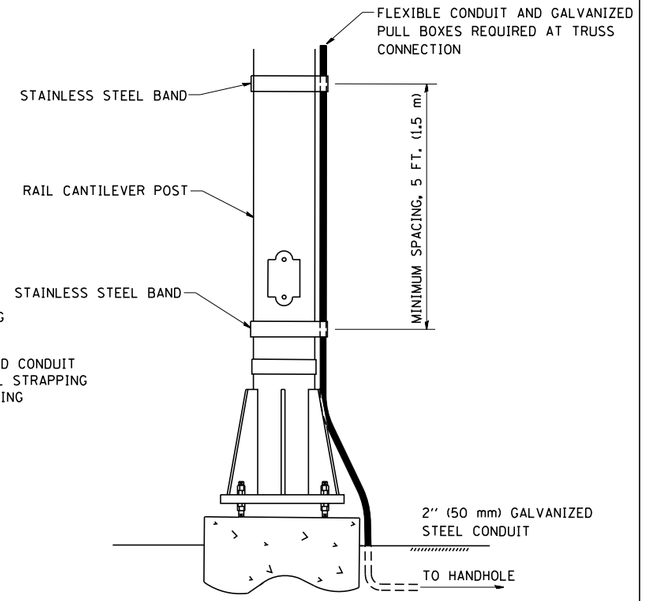
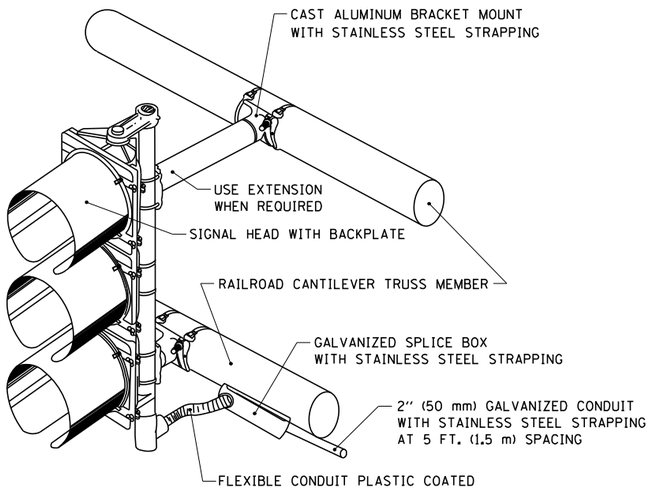


RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

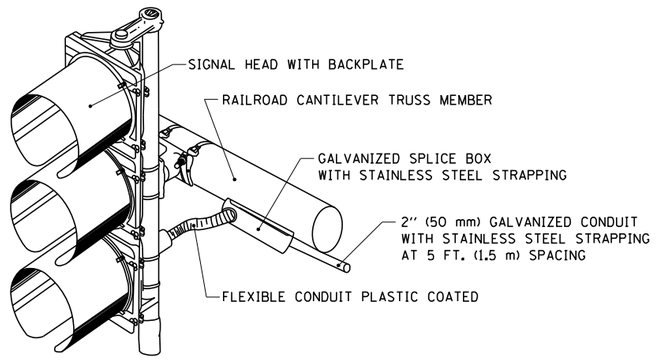


SIGNAL CONDUIT CONNECTION TO
RAIL CANTILEVER DETAIL



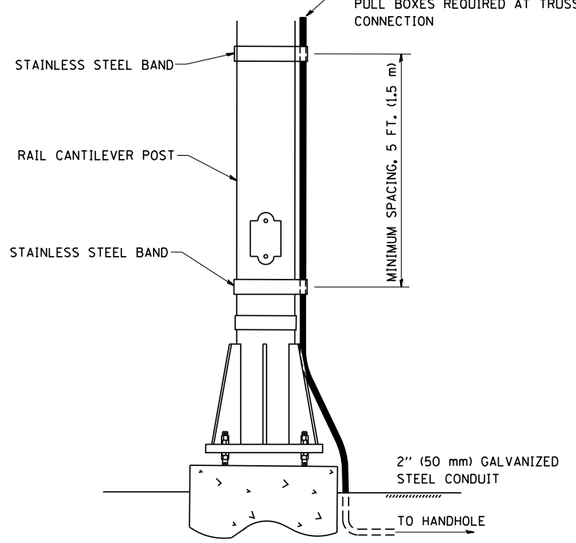
NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPTMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPTMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPTMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

SIGNAL CONDUIT CONNECTION TO
RAIL CANTILEVER DETAIL

FILE NAME = W:\diststd\22x34\ts06.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILROAD CANTILEVER
SIGNAL HEAD MOUNTING DETAIL

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

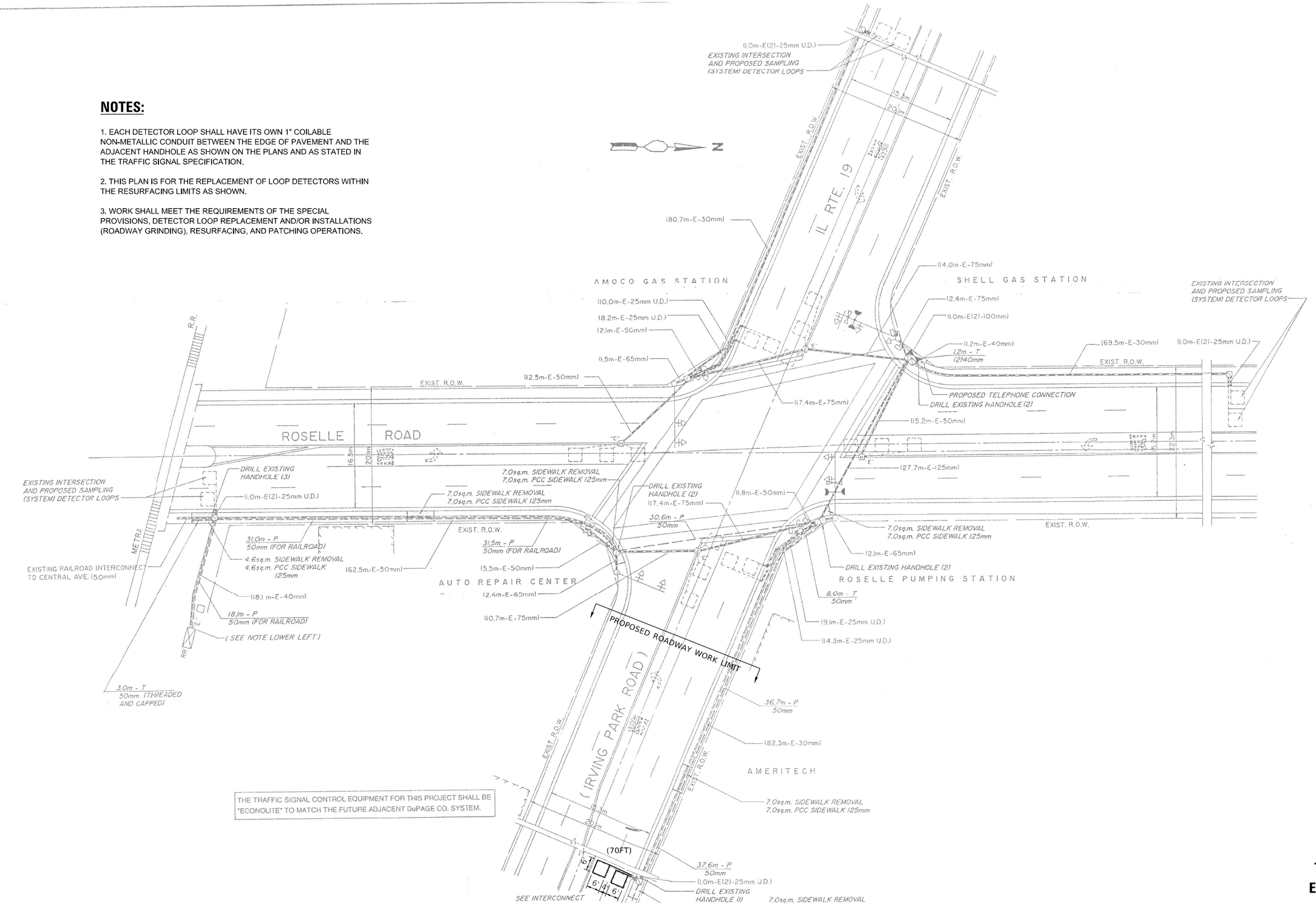
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	36
	TS-06	CONTRACT NO. 62R60		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

2. THIS PLAN IS FOR THE REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.

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



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE FUTURE ADJACENT DuPAGE CO. SYSTEM.

TS 9035
ECON 98

TS SHT NO. 9

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

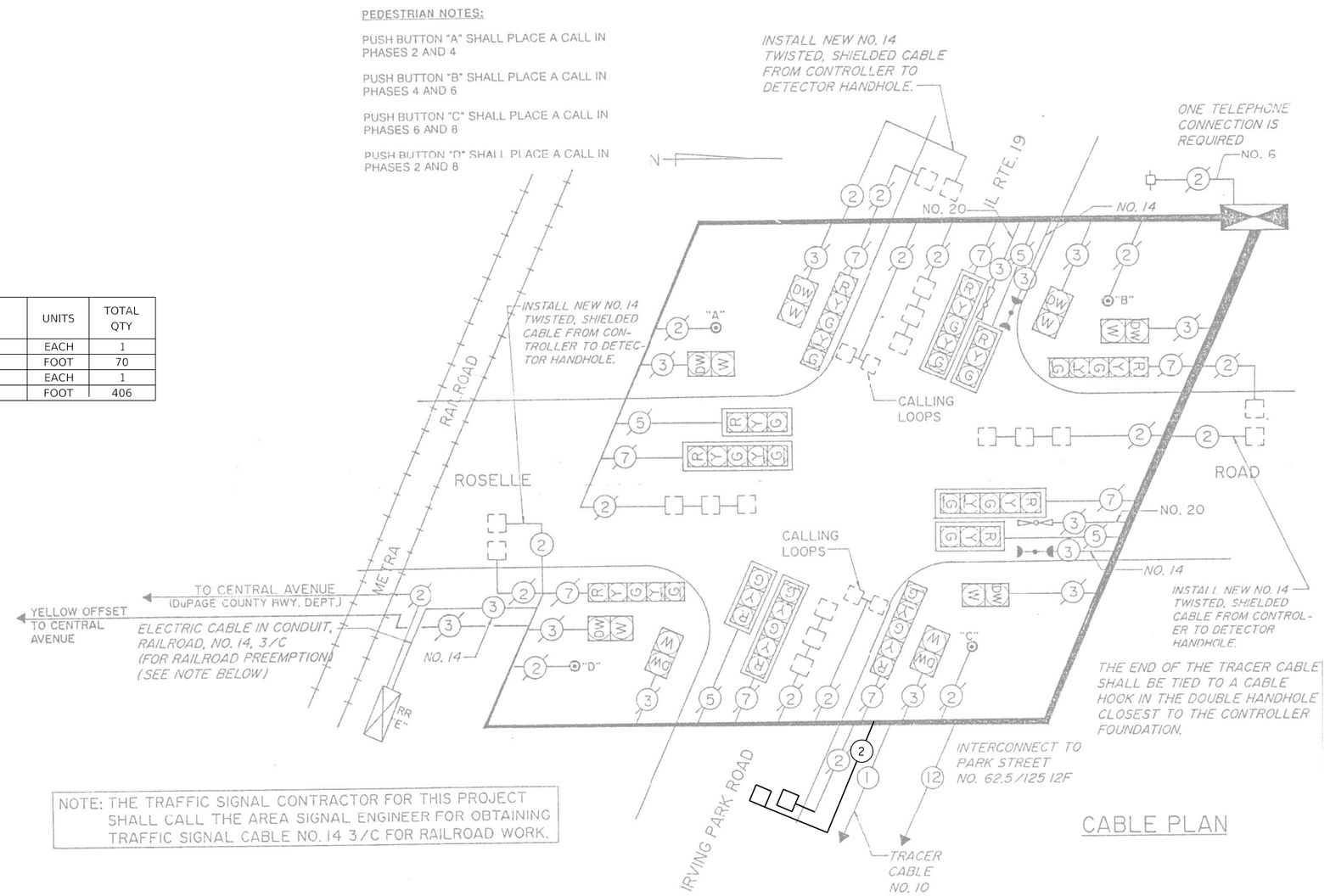
DETECTOR LOOPS INSTALLATION PLAN
IL RTE 19 (IRVING PARK RD) AT ROSELLE RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	37
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	70
INDUCTIVE LOOP DETECTOR	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	406



CABLE PLAN

NOTE: THE TRAFFIC SIGNAL CONTRACTOR FOR THIS PROJECT SHALL CALL THE AREA SIGNAL ENGINEER FOR OBTAINING TRAFFIC SIGNAL CABLE NO. 14 3/C FOR RAILROAD WORK.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE FUTURE ADJACENT DuPAGE CO. SYSTEM.

THE ILLINOIS DEPARTMENT OF TRANSPORTATION SIGNAL ENGINEER MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONNECTION AND METRA RAILROAD AT LEAST 30 DAYS PRIOR TO THIS OPERATION.

TS SHT NO. 10

TS 9035

ECON 98

MODEL: $MODEL NAME$
FILE NAME: $FILE$

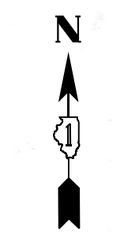
USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

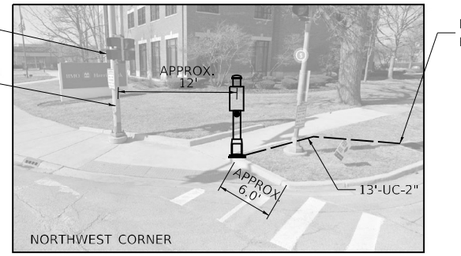
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION CABLE PLAN
IL RTE 19 (IRVING PARK RD) AT ROSELLE RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	38
		CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		





REMOVE EX PED SIGNAL HEADS (2) AND INSTALL COUNTDOWN PED SIGNAL HEADS (2)

REMOVE EX PUSH-BUTTON AND INSTALL APS

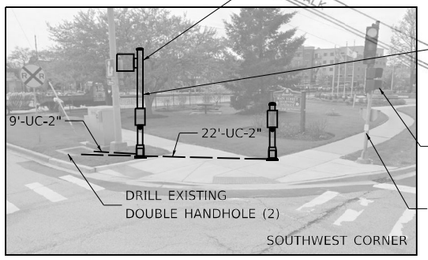
DRILL EXISTING HANDHOLE

PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR LOOPS

SEE INTERCONNECT PLAN (SHEET 18)

REMOVE EXISTING HANDHOLE

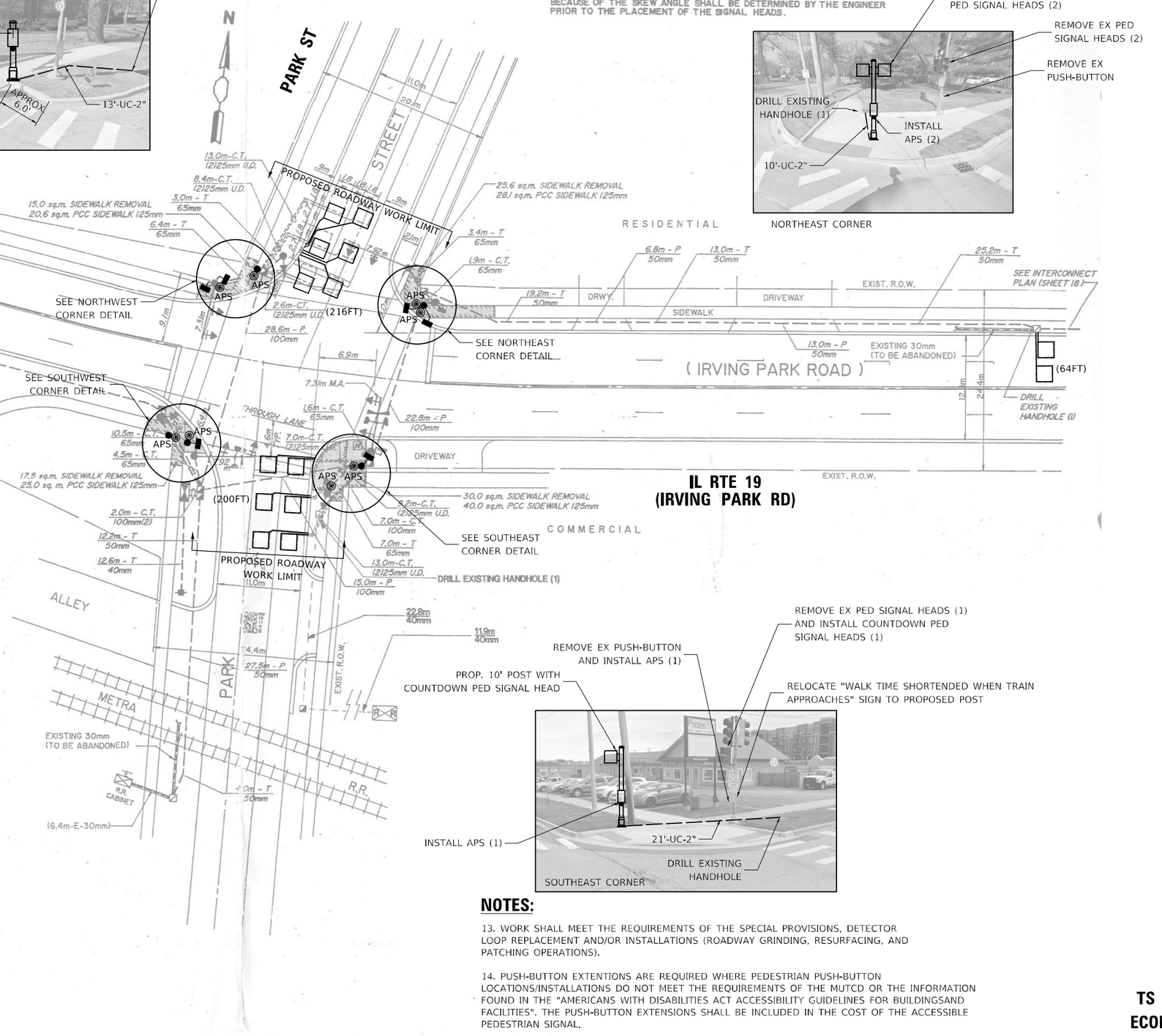
PROP. 10' POST WITH COUNTDOWN PED SIGNAL HEAD



RELOCATE "WALK TIME SHORTENED WHEN TRAIN APPROACHES" SIGN TO PROPOSED POST

REMOVE EX PED SIGNAL HEADS (1) AND INSTALL COUNTDOWN PED SIGNAL HEADS (1)

REMOVE EX PUSH-BUTTON



NOTE:
EXACT LOCATION FOR ALL MAST ARM MOUNTED SIGNAL HEADS BECAUSE OF THE SKEW ANGLE SHALL BE DETERMINED BY THE ENGINEER PRIOR TO THE PLACEMENT OF THE SIGNAL HEADS.

PROP. 10' POST WITH COUNTDOWN PED SIGNAL HEADS (2)

REMOVE EX PED SIGNAL HEADS (2)

REMOVE EX PUSH-BUTTON

REMOVE EX PED SIGNAL HEADS (1) AND INSTALL COUNTDOWN PED SIGNAL HEADS (1)

REMOVE EX PUSH-BUTTON AND INSTALL APS (1)

PROP. 10' POST WITH COUNTDOWN PED SIGNAL HEAD

RELOCATE "WALK TIME SHORTENED WHEN TRAIN APPROACHES" SIGN TO PROPOSED POST

NOTES:

1. THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH PEDESTRIAN PUSH-BUTTON
6 EACH PEDESTRIAN SIGNAL HEAD

2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

3. ALL EXISTING PEDESTRIAN SIGNAL HEADS SHALL BE REMOVED AND REPLACED.

4. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPEMENT IS IN OPERATIONAL.

5. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER.

6. POST SHALL BE VERIFIED WITH THE TRAFFIC SIGNAL AREA ENGINEER PRIOR TO THE START OF WORK.

7. DIMENSIONS SHOWN ARE FROM CENTER OF POSTS TO BACK OF CURB AND ARE APPROXIMATE, AND THE PLACEMENT OF THE 5-FT POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK.

8. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

9. STATIONINGS SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

10. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT

11. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

12. THIS PLAN IS FOR THE REMOVAL OF THE PUSH BUTTONS, INSTALLATION OF THE APS PUSH BUTTONS AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.

NOTES:

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

14. PUSH-BUTTON EXTENTIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGSAND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNAL.

TS 9040
ECON 98

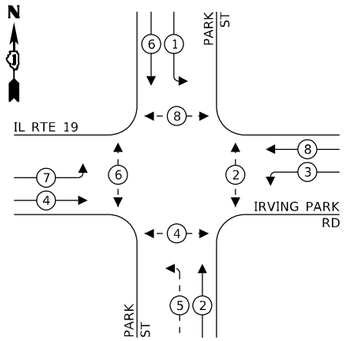
TS SHT NO. 11

MODEL: Default
FILE NAME: S:\WP\Design\SN_B. of Design_APS\2023\62R60 (09 '24)\D116322-sht03-TS P-Plan.dgn

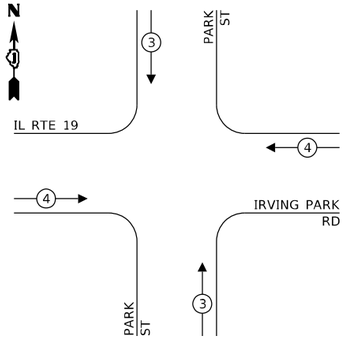
	USER NAME = steven.nguyen	DESIGNED - EEC/SN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	APS AND DETECTOR LOOPS INSTALLATION PLAN IL RTE 19 (IRVING PARK RD) AT PARK ST
		DRAWN - EEC/SN	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KK	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 6/26/2024	DATE - 06/10/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	39
		CONTRACT NO. 62R60		
		ILLINOIS	FED. AID PROJECT	

PROPOSED CONTROLLER SEQUENCE

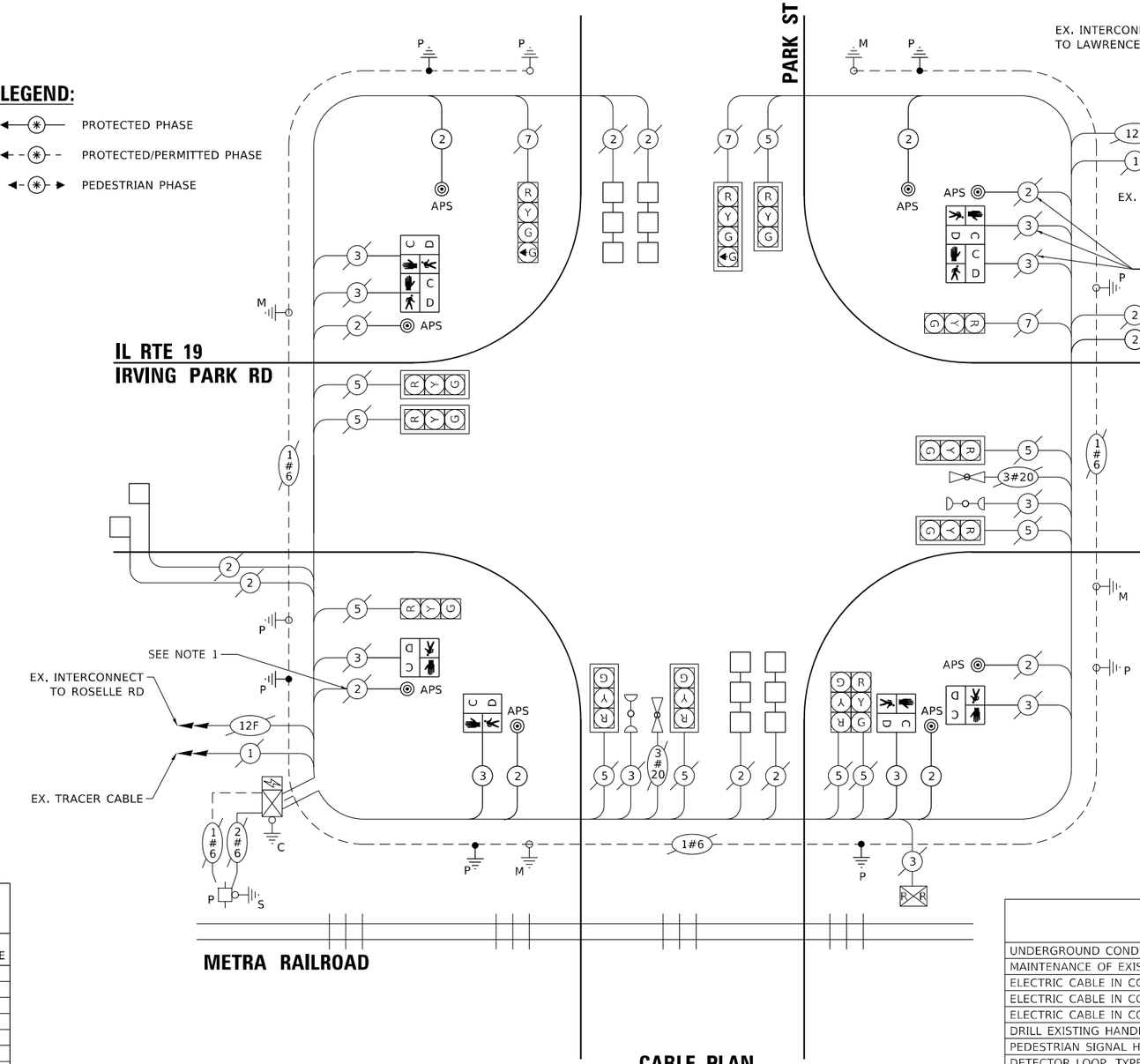


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE



CABLE PLAN
(NOT TO SCALE)

NOTE:

1. CONTRACTOR SHALL PULL EXISTING 2C OR 3C CABLE AND REUSE IT FOR THE PROPOSED APS PUSH BUTTON OR THE PROPOSED PEDESTRIAN COUNTDOWN SIGNAL HEAD

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	2	14	28
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
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			455
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			1,060

ENERGY COSTS TO:
THE VILLAGE OF ROSELLE
31 S PROSPECT ST
ROSELLE, IL 60172

ENERGY SUPPLY:
CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 45390-88101
METER NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	68
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	624
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	135
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
DETECTOR LOOP, TYPE I	FOOT	533
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	155
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
INDUCTIVE LOOP DETECTOR	FOOT	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	EACH	421

TS 9040

ECON 98

TS SHT NO. 12

MODEL: $MODELNAME
FILE NAME: $FILEL$

USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION CABLE PLAN
IL RTE 19 (IRVING PARK RD) AT PARK ST

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	40
		CONTRACT NO. 62R60		
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4	EACH	PEDESTRIAN PUSH-BUTTON

2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPEMENT IS IN OPERATIONAL.

4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER.

5. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

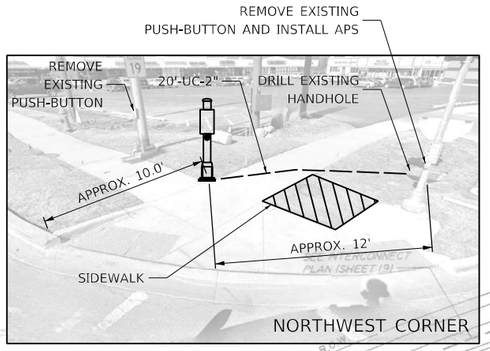
6. STATIONINGS SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

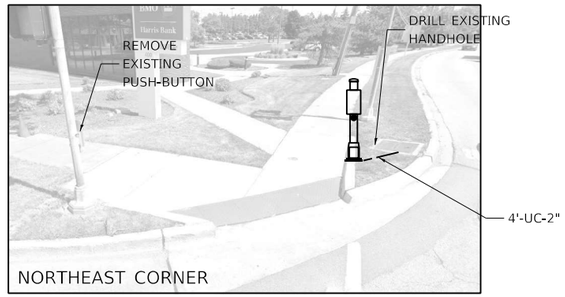
7. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

8. POST SHALL BE VERIFIED WITH THE TRAFFIC SIGNAL AREA ENGINEER PRIOR TO THE START OF WORK.

9. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.

10. DIMENSIONS SHOWN ARE FROM CENTER OF POSTS TO BACK OF CURB AND ARE APPROXIMATE, AND THE PLACEMENT OF THE 5-FT POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK.





NOTES:

11. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

12. THIS PLAN IS FOR THE REMOVAL OF THE PUSH BUTTONS, INSTALLATION OF THE APS PUSH BUTTONS AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.

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

14. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND INTHE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

TS 9037
ECON 98

TS SHT NO. 13

MODEL: $MODELNAME$
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USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

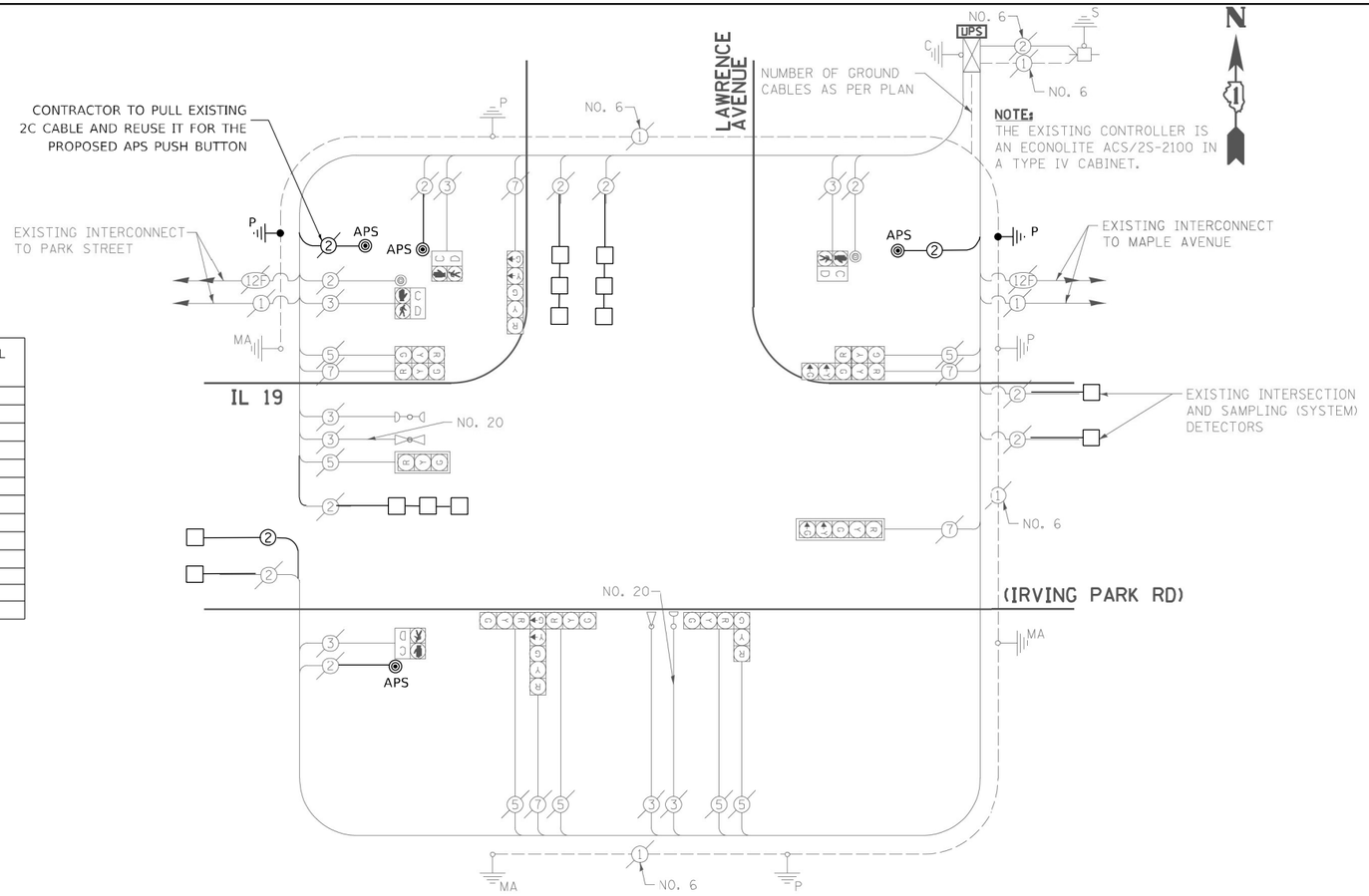
APS AND DETECTOR LOOPS INSTALLATION PLAN
IL RTE 19 (IRVING PARK RD) AT LAWRENCE AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	41
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

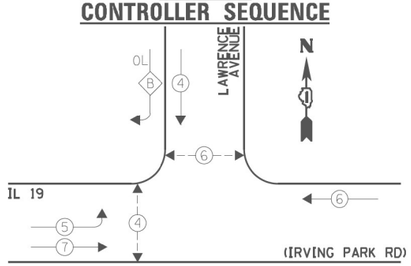
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	29
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	92
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	522
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	30
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
INDUCTIVE LOOP DETECTOR	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	441

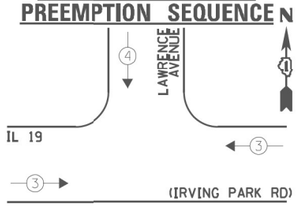


CABLE PLAN

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

SINGLE ENTRY PHASE
DUAL ENTRY PHASE
PEDESTRIAN PHASE
* NUMBER REFERS TO ASSOCIATED PHASE
OL OVERLAP

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
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			375
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			980

ENERGY COSTS TO:
THE VILLAGE OF ROSELLE
31 S PROSPECT ST
ROSELLE, IL 60172

ENERGY SUPPLY:
CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 45390-88101
METER NUMBER: ---

TS SHT NO.14

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

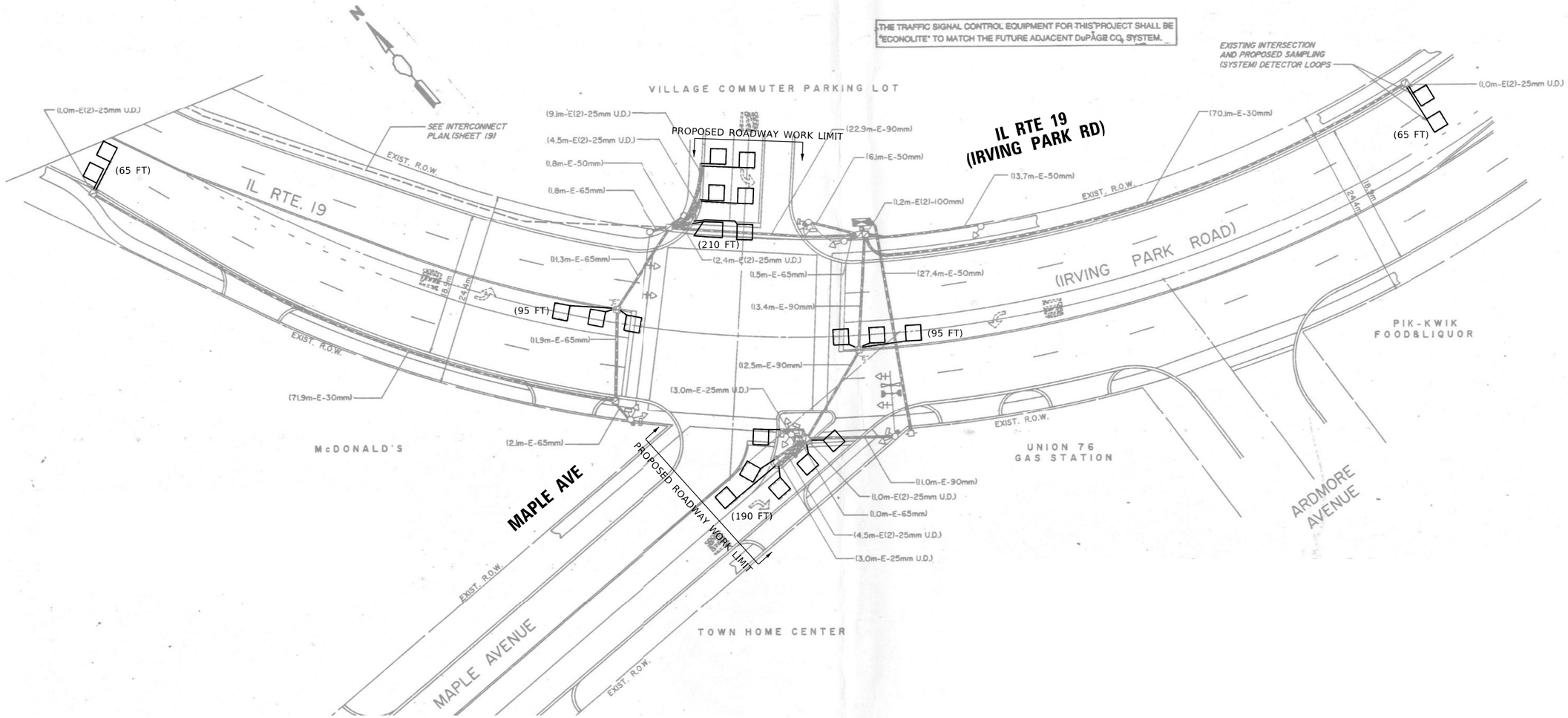
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION CABLE PLAN
IL RTE 19 (IRVING PARK RD) AT LAWRENCE AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	42
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

TS 9037
ECON 98



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

2. THIS PLAN IS FOR THE REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.

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

TS 9100
ECON 98

TS SHT NO. 15

MODEL: $MODELNAME$
FILE NAME= $FILEL$

USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

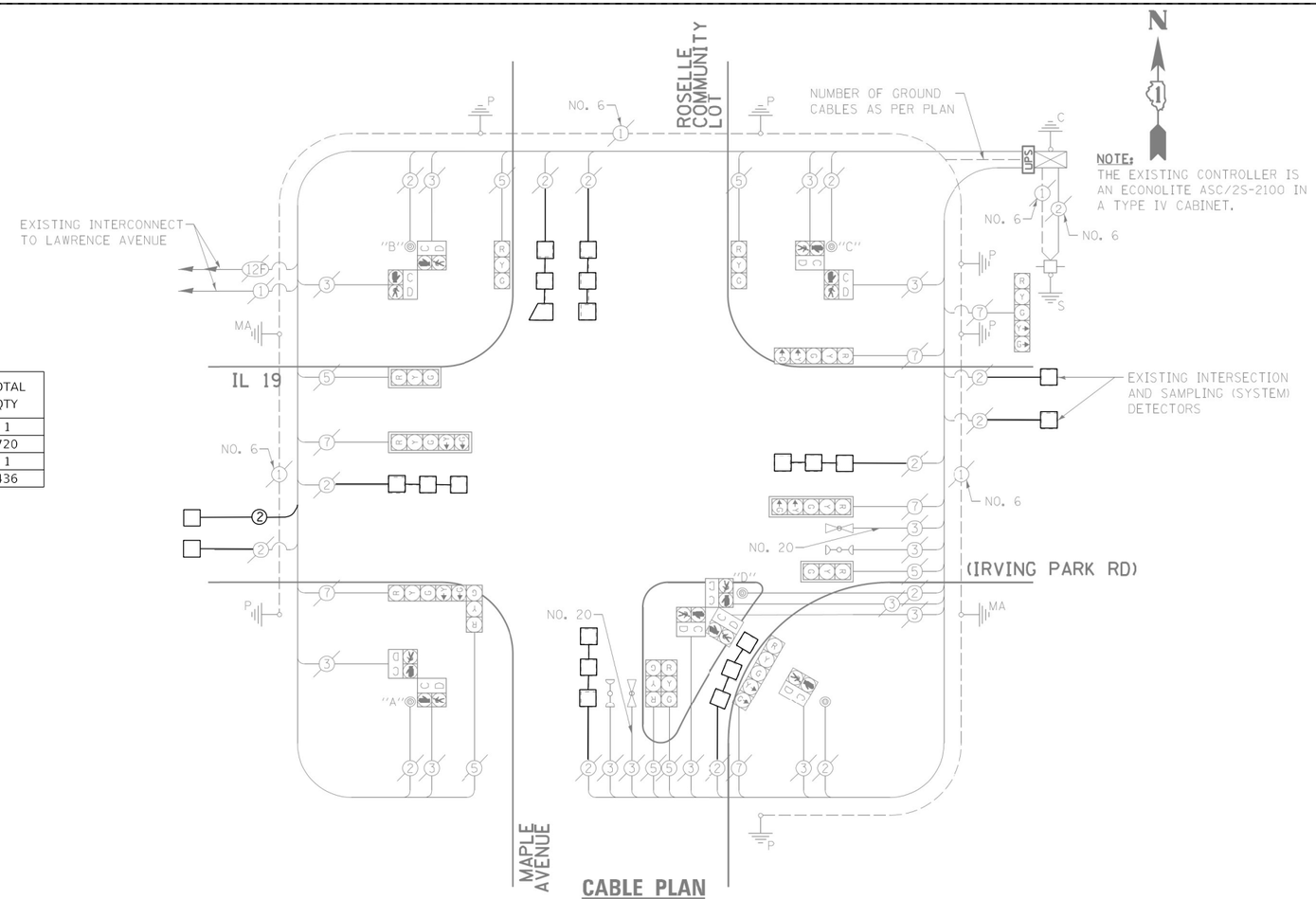
DETECTOR LOOPS INSTALLATION PLAN
IL RTE 19 (IRVING PARK RD) AT MAPLE AVE

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	43
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	720
INDUCTIVE LOOP DETECTOR	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	436



CABLE PLAN

NOTE:
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

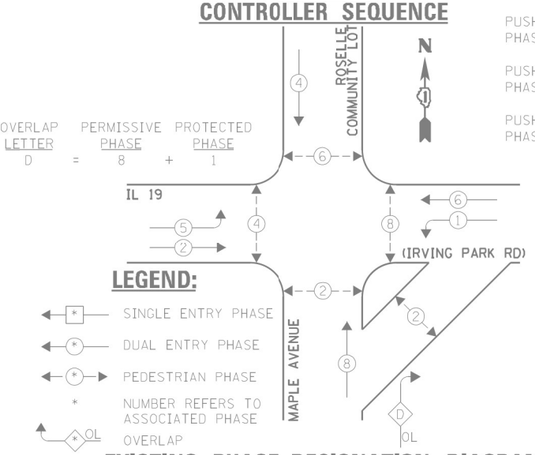
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.

PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

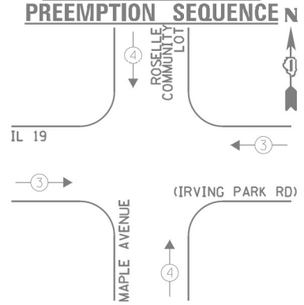
EXISTING CONTROLLER SEQUENCE

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

TS 9100

ECON 98

GHA #4085.887

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	10	15	150
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			470
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			1,075

ENERGY COSTS TO:
THE VILLAGE OF ROSELLE
31 S PROSPECT ST
ROSELLE, IL 60172

ENERGY SUPPLY:
CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 45390-88101
METER NUMBER: ---

TS SHT NO. 16

MODEL: $MODEL$NAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION CABLE PLAN
IL RTE 19 (IRVING PARK RD) AT MAPLE AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	44
		CONTRACT NO. 62R60		
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED PEDESTRIAN SIGNAL POST.

1 EACH PEDESTRIAN SIGNAL HEAD

2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

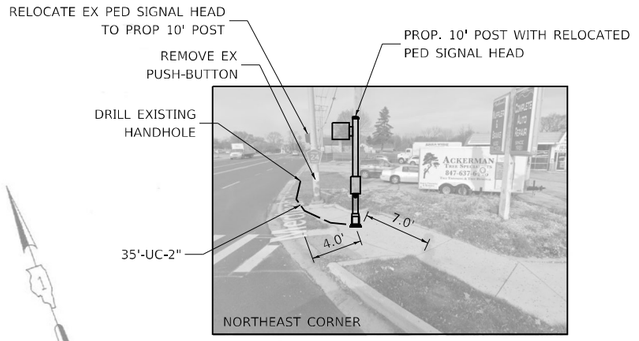
3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPEMENT IS IN OPERATIONAL.

4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER.

5. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

6. STATIONINGS SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

7. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



THE LEFT TURN LANE AND THE FAR OUT LOOPS ON NORTH AND SOUTH APPROACHES OF MEDINAH ROAD ARE PREFORMED LOOP DETECTORS

NOTES:

8. POST SHALL BE VERIFIED WITH THE TRAFFIC SIGNAL AREA ENGINEER PRIOR TO THE START OF WORK.

9. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.

10. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

11. THIS PLAN IS FOR THE REMOVAL OF THE PUSH BUTTONS, INSTALLATION OF THE APS PUSH BUTTONS AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.

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

13. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND INTHE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

TS 6145

TS SHT NO. 17

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

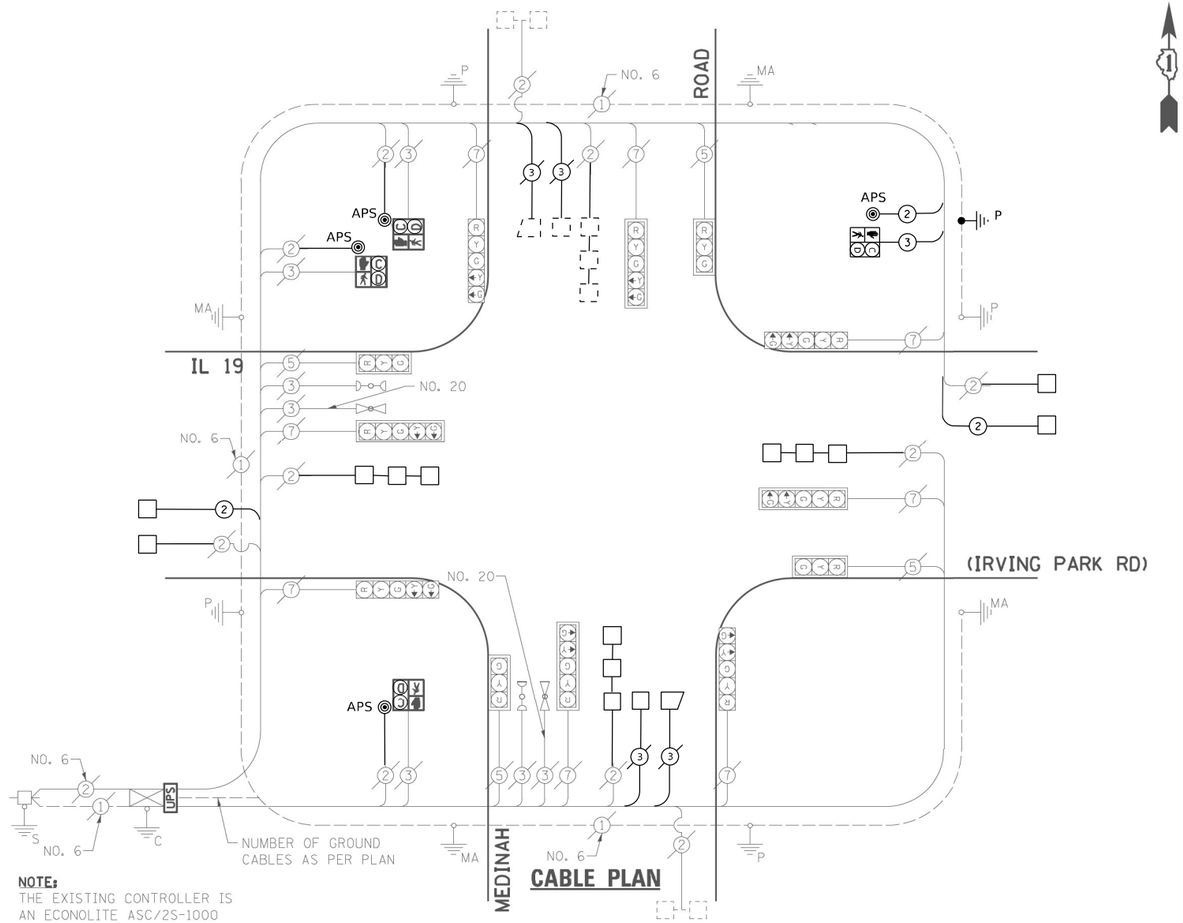
APS AND DETECTOR LOOP INSTALLATION PLAN
IL RTE 19 (IRVING PARK RD) AT MEDINAH RD

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	45
		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	35
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	270
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	275
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	260
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	590
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	750
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
INDUCTIVE LOOP DETECTOR	EACH	2
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	839



NOTE:
THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-1000 IN A TYPE IV CABINET.

CABLE PLAN

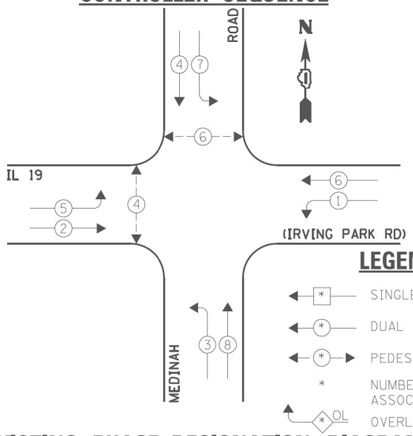
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
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	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			383
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			988

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196-1096

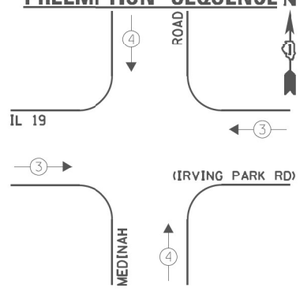
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 45390-88101
METER NUMBER: ---

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↓

TS 6145

TS SHT NO. 18

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - EEC/SN	REVISED -	
	DRAWN - EEC/SN	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - KK	REVISED -	
PLOT DATE = $DATE$	DATE - 06/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

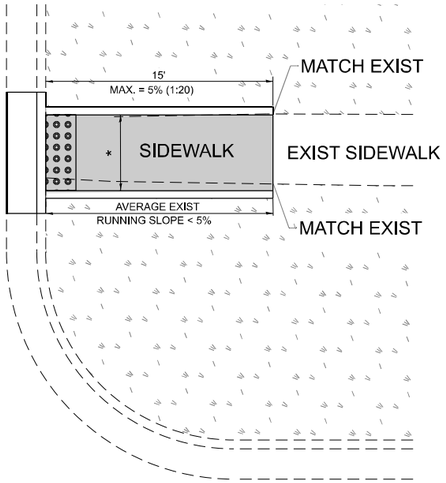
APS AND DETECTOR LOOP INSTALLATION CABLE PLAN
IL RTE 19 (IRVING PARK RD) AT MEDINAH RD

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

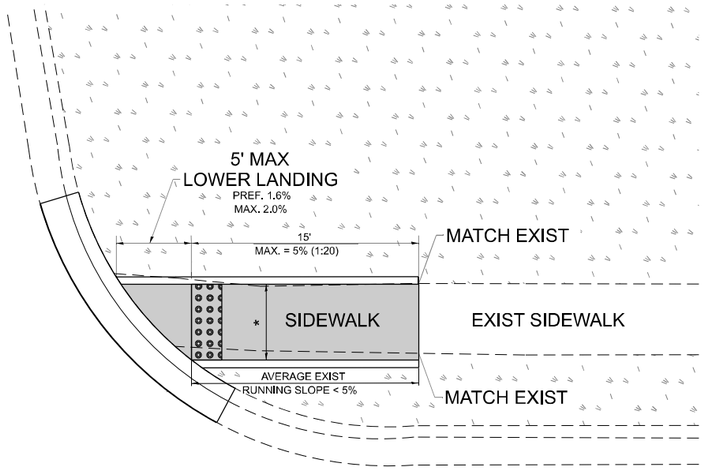
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	46
		CONTRACT NO. 62R60		
		ILLINOIS	FED. AID PROJECT	

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

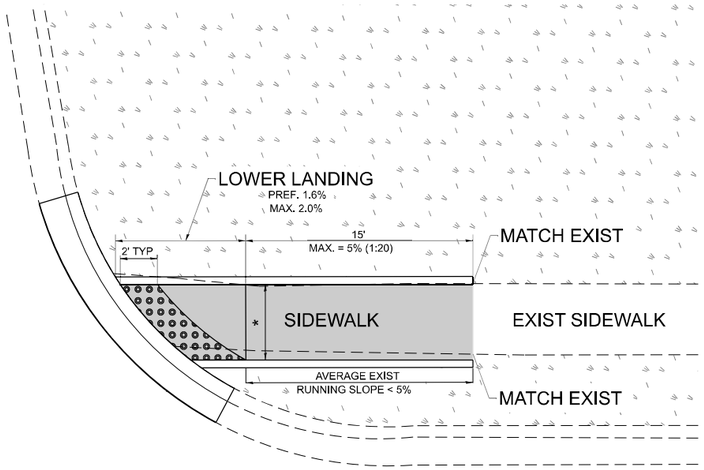
PD-01A



PD-01B



PD-01C



LEGEND

- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = eric.l.thomas	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/30/2023	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	47
	PD-01	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

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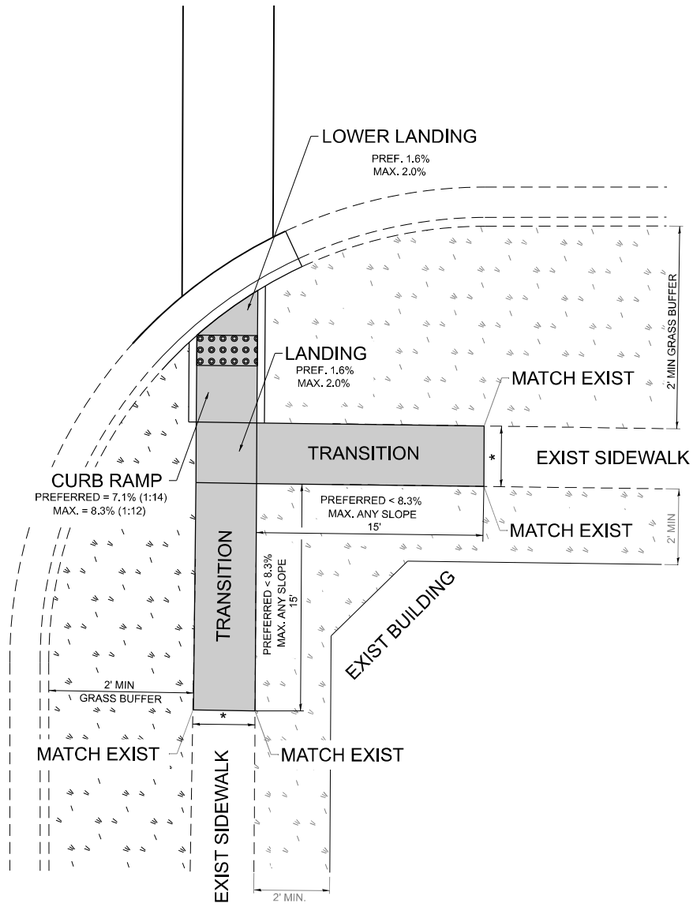
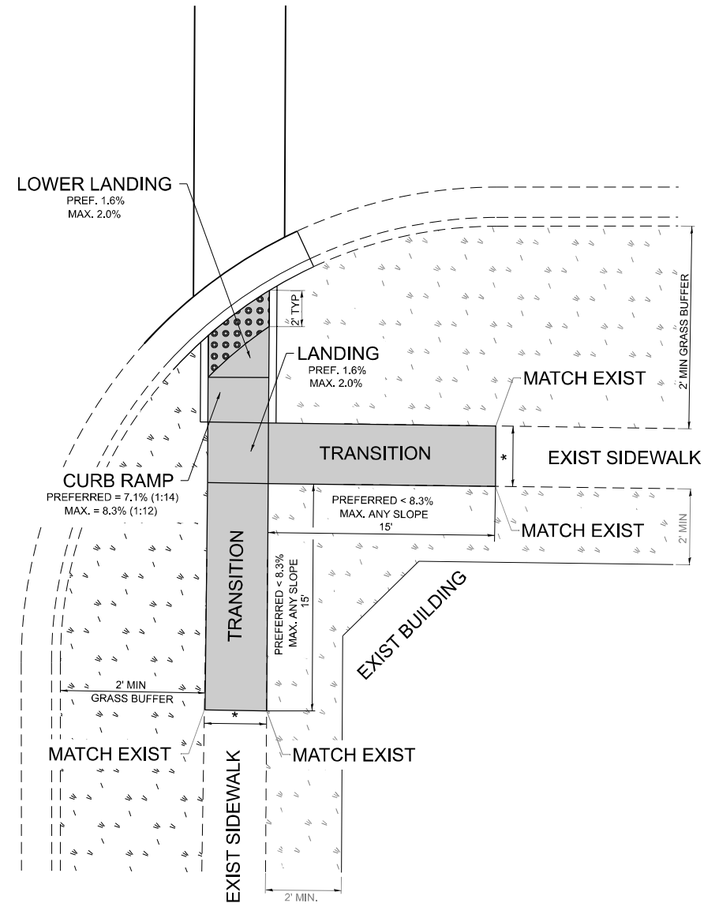
ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = eric.l.thomas	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 8/30/2023	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH TURNING SPACE (PD-04)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	48
	PD-04	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

MODEL: Plan Single [Sheet]
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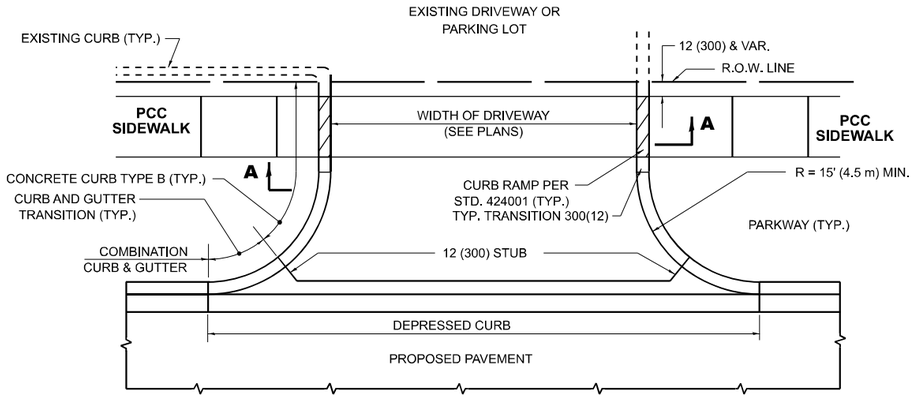
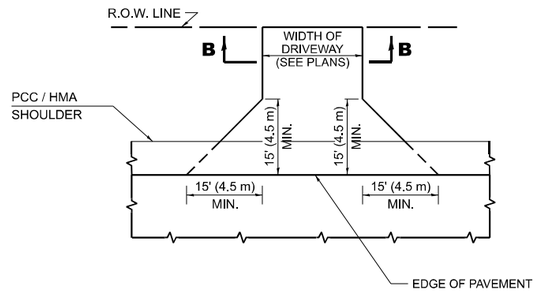
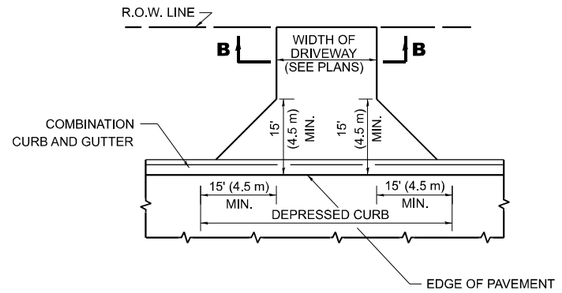


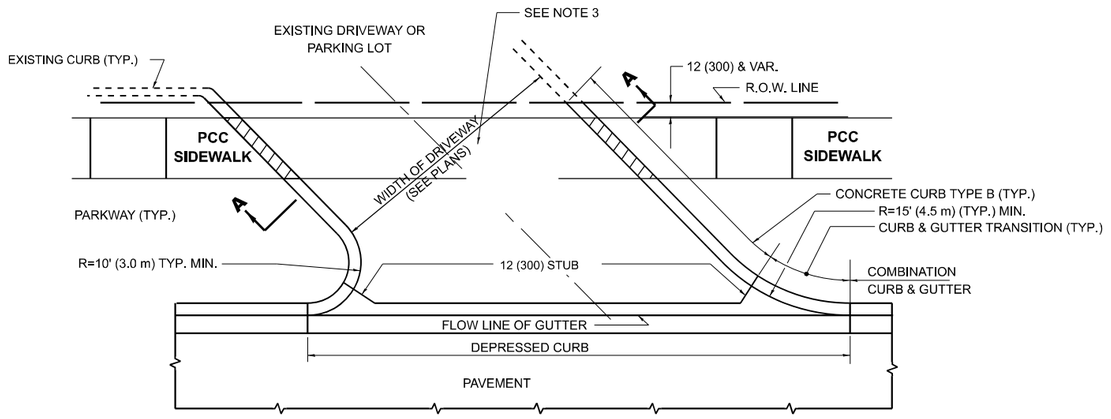
WITH CONCRETE CURB, TYPE B



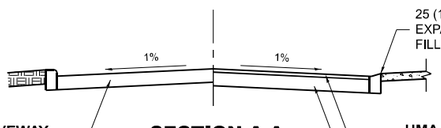
ADJACENT TO PCC / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B



SECTION A-A

RIGID DRIVEWAY

COMMERCIAL ENTRANCE (CE):
PCC DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m^2)

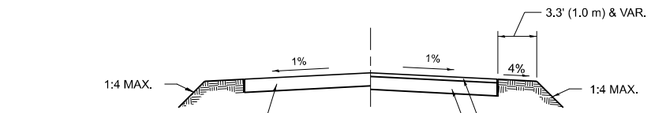
PRIVATE ENTRANCE (PE):
PCC DRIVEWAY PAVEMENT 6 (150
MEASURED IN SQ. YD. (m^2)

HMA DRIVEWAY

HMA SURFACE COURSE,
MIX "D", IL-9.5, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

COMMERCIAL ENTRANCE (CE):
HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m). ^{2}

PRIVATE ENTRANCE (PE):
HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m). ^{2}



SECTION B-B

RIGID DRIVEWAY

COMMERCIAL ENTRANCE (CE):
PCC DRIVEWAY PAVEMENT 8 (200)

PRIVATE ENTRANCE (PE):
PCC DRIVEWAY PAVEMENT 6 (150)

HMA DRIVEWAY

HMA SURFACE COURSE,
MIX "D", IL-9.5, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

COMMERCIAL ENTRANCE (CE):
HMA BASE COURSE., 8 (200)
MEASURED IN SQ. YD. (m). ^{2}

PRIVATE ENTRANCE (PE):
HMA BASE COURSE., 6 (150)
MEASURED IN SQ. YD. (m). ^{2}

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", IL-95, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE COURSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m). ^{2}

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

2. COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

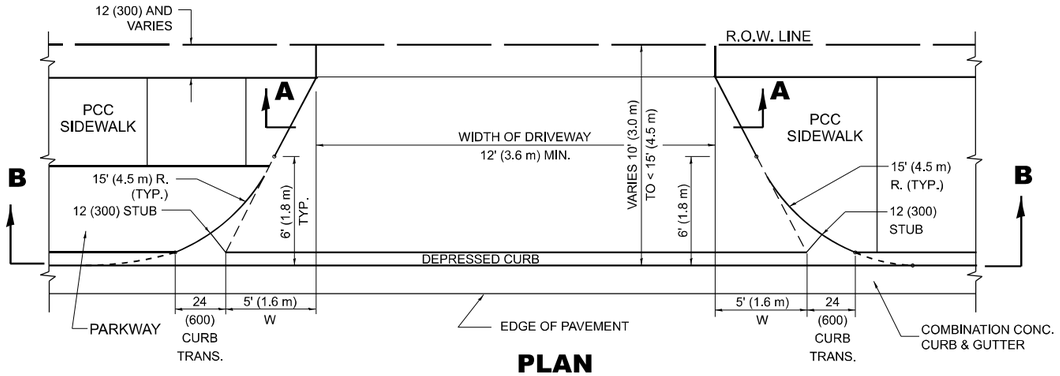
USER NAME = eric.l.thomas	DESIGNED -	REVISED -	R. BORO 06-11-08
	DRAWN -	REVISED -	R. BORO 09-06-11
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	K. SMITH 08-28-19
PLOT DATE = 8/30/2023	DATE -	REVISED -	K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

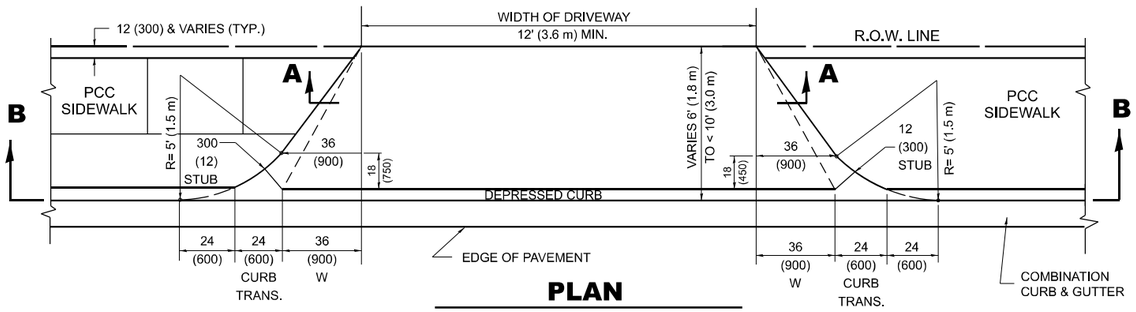
DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >15'(4.5m)

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

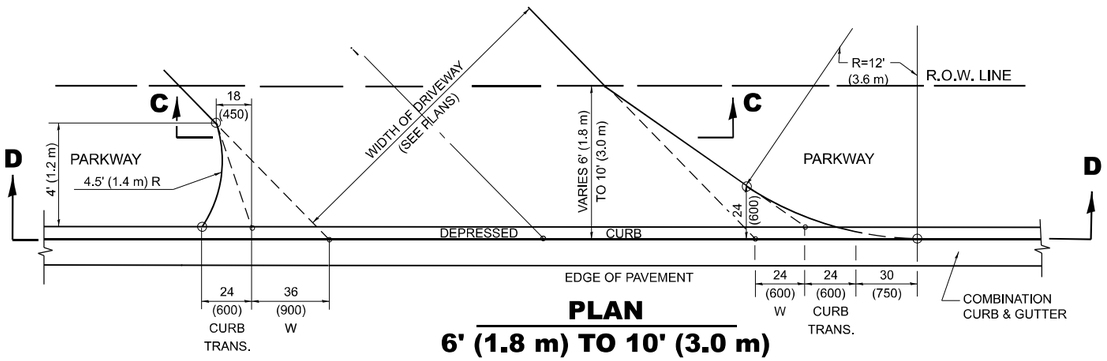
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	49
BD400-01 (BD-01)		CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			



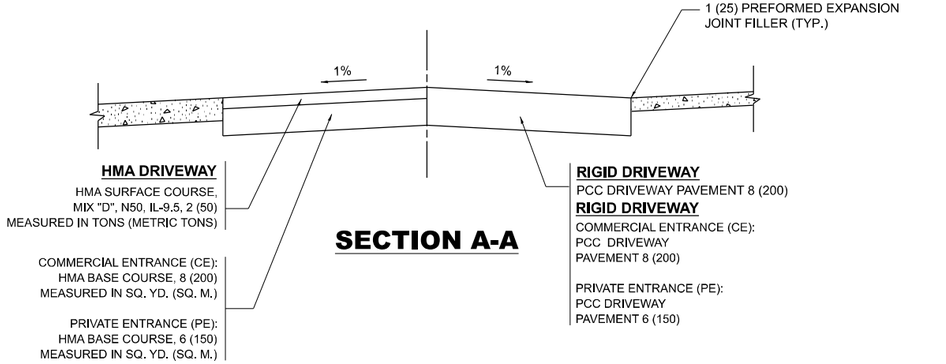
PLAN
10' (3.0 m) TO < 15' (4.5 m)



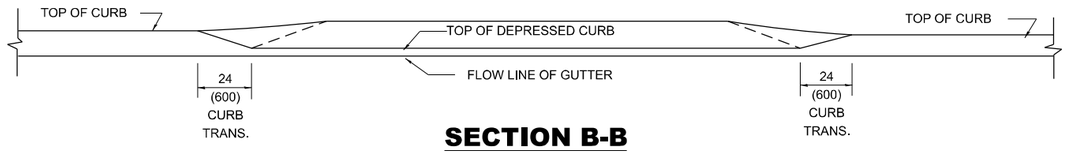
PLAN
6' (1.8 m) TO < 10' (3.0 m)



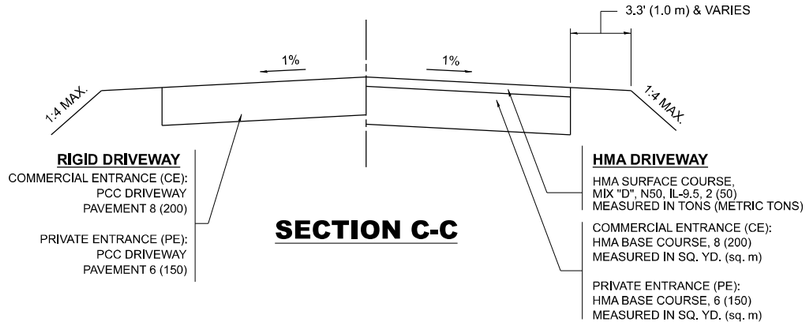
PLAN
6' (1.8 m) TO 10' (3.0 m)



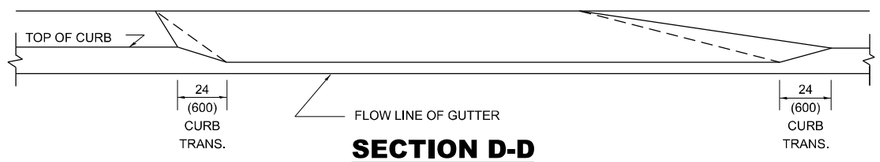
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

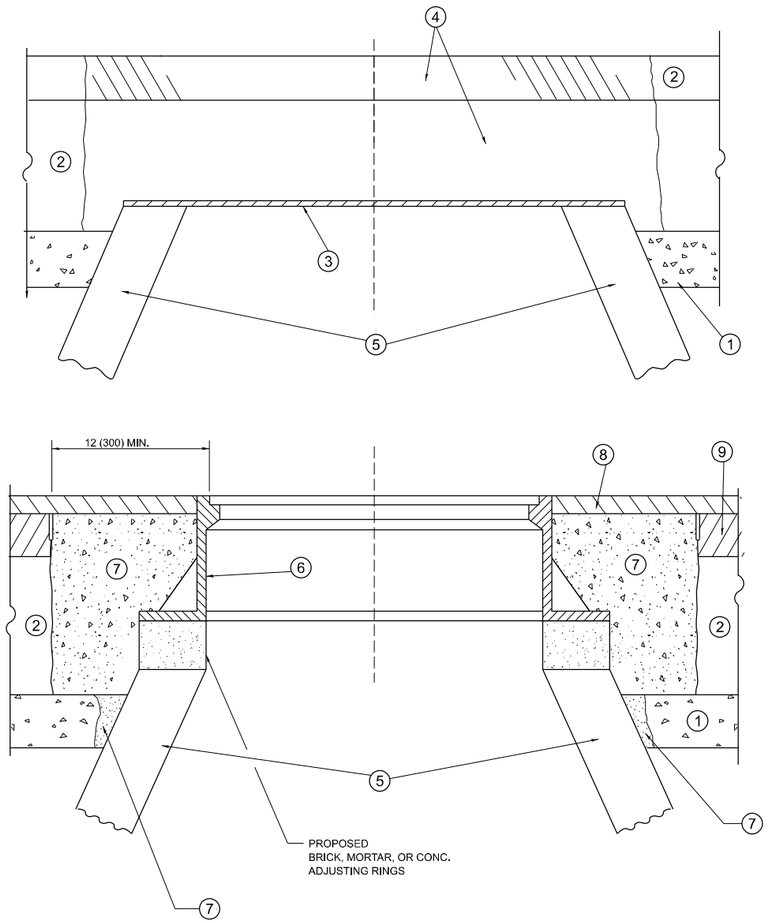
USER NAME = eric.l.thomas	DESIGNED -	REVISED -	R. BORO 01-01-07
	DRAWN -	REVISED -	R. BORO 09-06-11
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	K. SMITH 08-27-19
PLOT DATE = 8/30/2023	DATE -	REVISED -	K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	50
	BD400-01 (BD-02)	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			



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

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

USER NAME = eric.l.thomas	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	
	DRAWN -	REVISED - R. BORO 12-06-11	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - K. SMITH 11-18-22	
PLOT DATE = 8/30/2023	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	51
	BD600-03 (BD-08)	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

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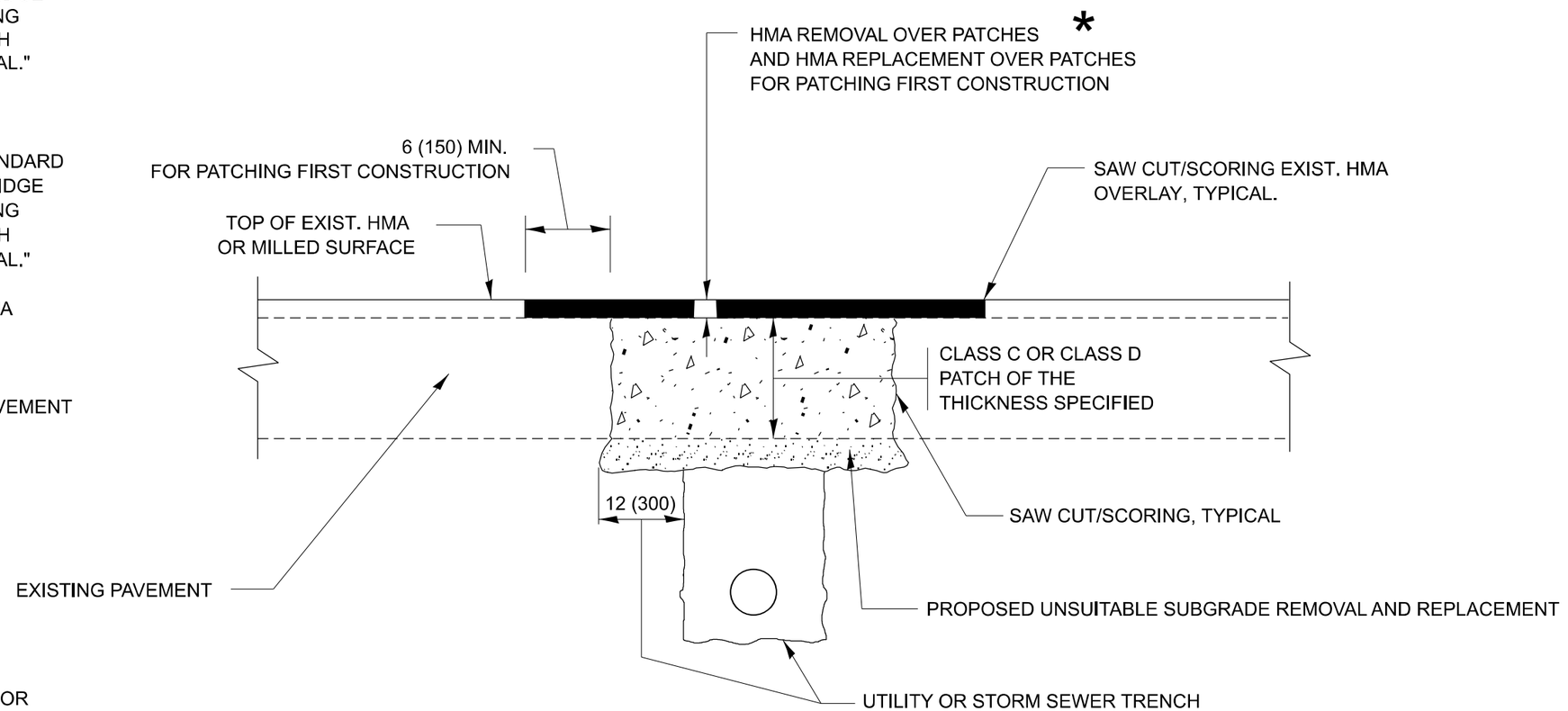
METHOD OF MEASUREMENT

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 ½ 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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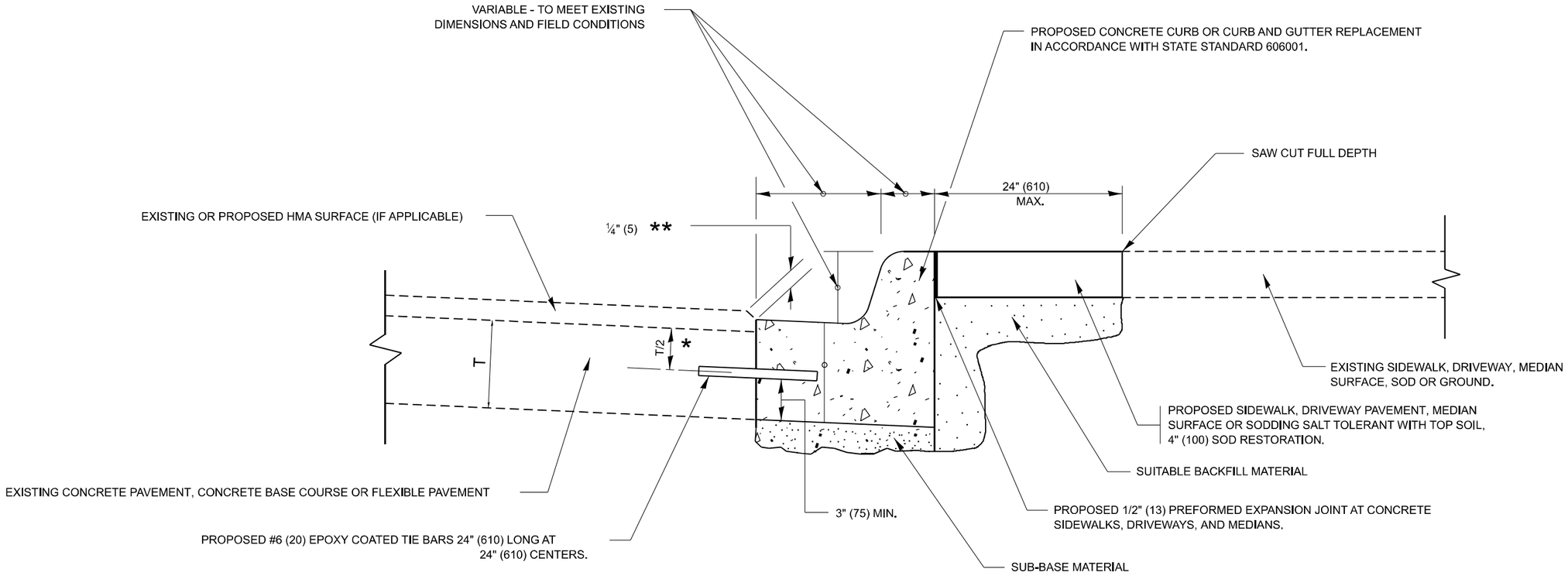
USER NAME = eric.l.thomas	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	
	DRAWN -	REVISED - R. BORO 09-04-07			
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - K. ENG 10-27-08			
PLOT DATE = 8/30/2023	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	52
	BD400-04 (BD-22)	CONTRACT NO. 62R60		
	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.

MODEL: Plan Single [Sheet]
FILE NAME: Z:_IDOTCAD_ORD_Folder Master_Master Files\IDOTCAD_CONNECT\Configuration\Organization-Civil\IDOT_Standards\Dgnlib\Sheet Seeds\Civil_Named_Boundary_SheetSeeds.dgnlib

USER NAME = eric.l.thomas	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - M. GOMEZ 01-22-01	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 8/30/2023	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT				
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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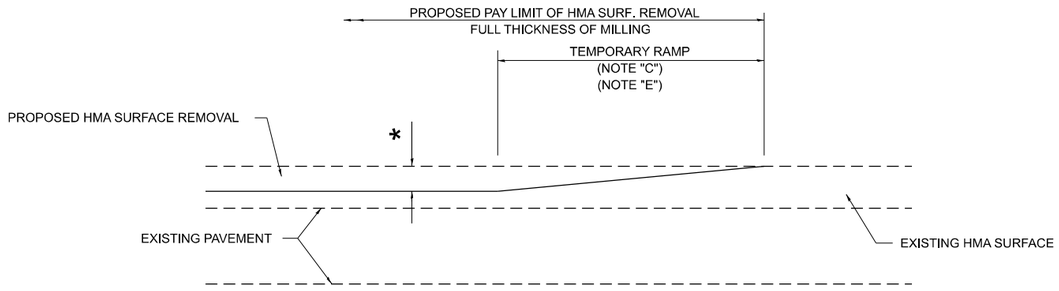
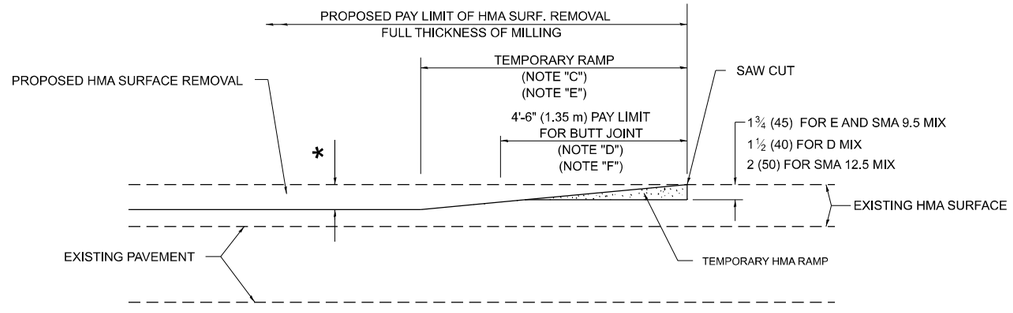
	BD600-06 (BD-24)	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

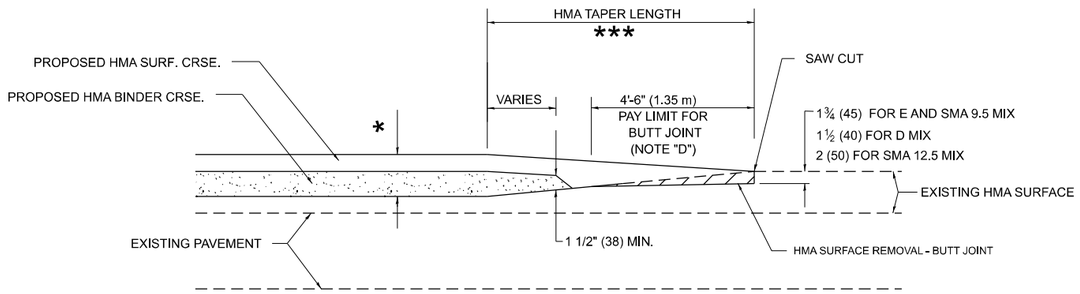


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

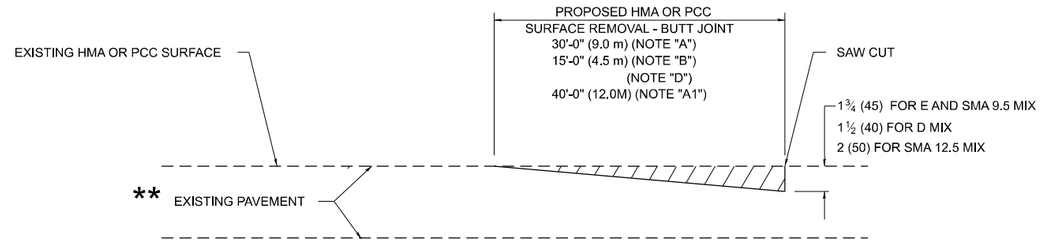
OPTION 2

TYPICAL TEMPORARY RAMP

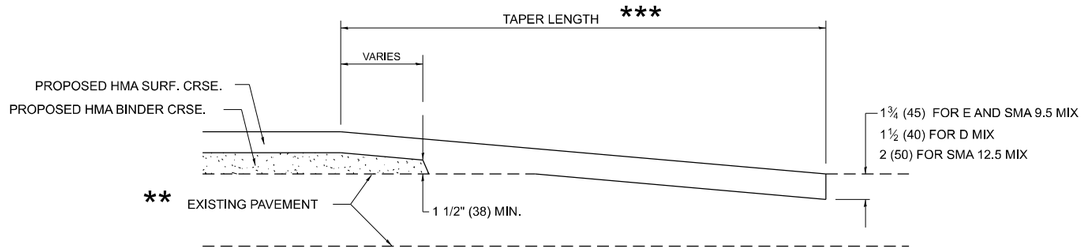


BUTT JOINT AND HMA TAPER

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".

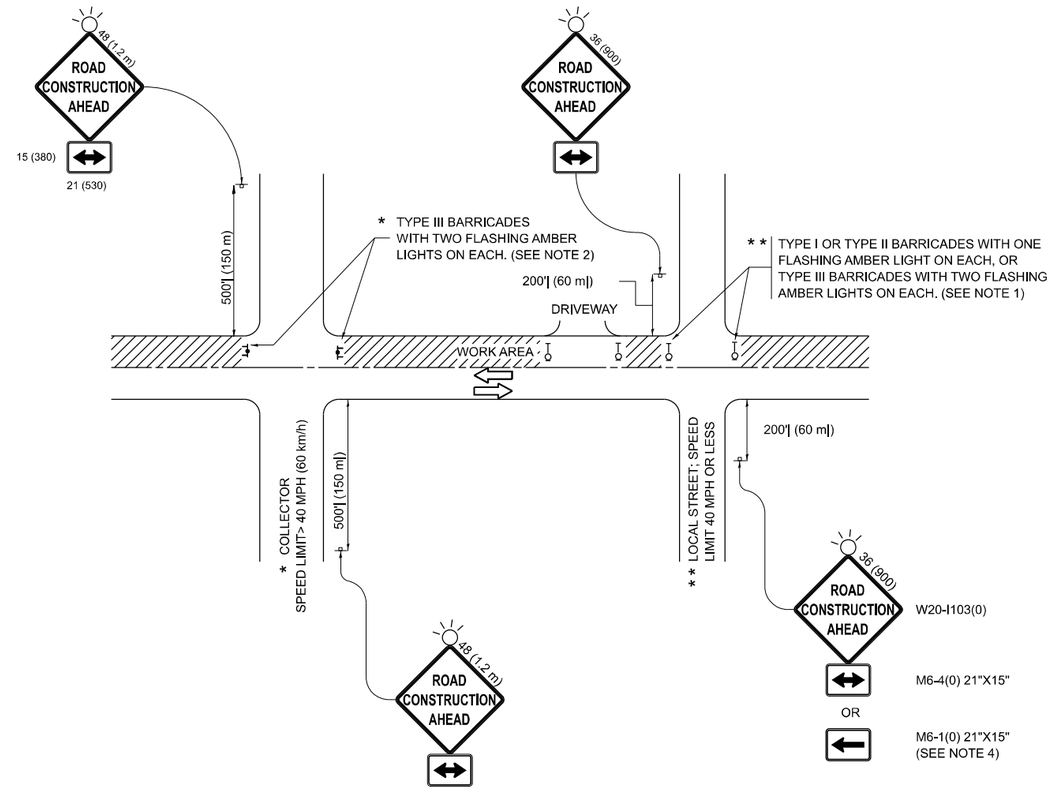
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL: Plan Single [Sheet]
FILE NAME: Z:_IDOTCAD_ORD Folder Master_Master Files\IDOTCAD_CONNECT\Configuration\Organization-Civil\IDOT_Standards\Dgnlib\Sheet Seeds\Civil_Named_Boundary_SheetSeeds.dgnlib

USER NAME = eric.l.thomas	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**BUTT JOINT AND HMA TAPER DETAILS**			
	DRAWN -	REVISED - M. GOMEZ 04-06-01					
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.
PLOT DATE = 8/30/2023	DATE - 06-13-90	REVISED - K. SMITH 11-18-22					

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	54
	BD400-05 BD-32	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. 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.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

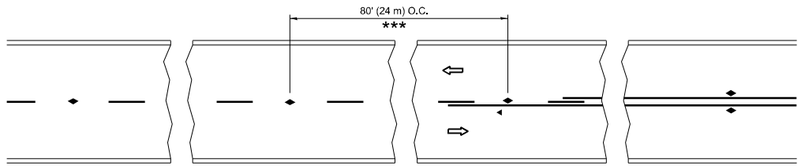
USER NAME = eric.l.thomas	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06	
PLOT DATE = 8/30/2023	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

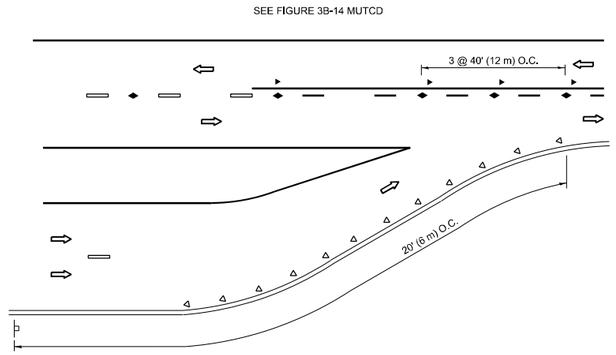
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	55
	TC-10	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

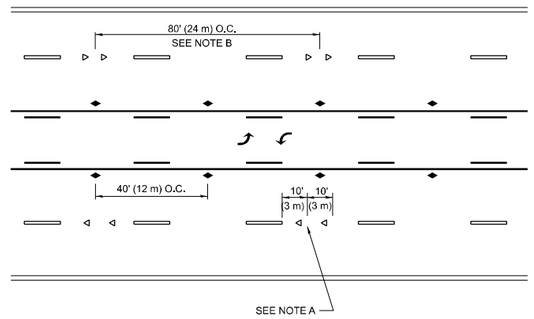


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

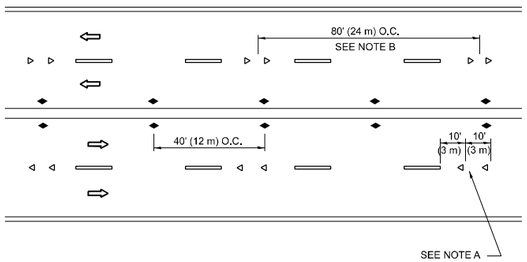
TWO-LANE/TWO-WAY



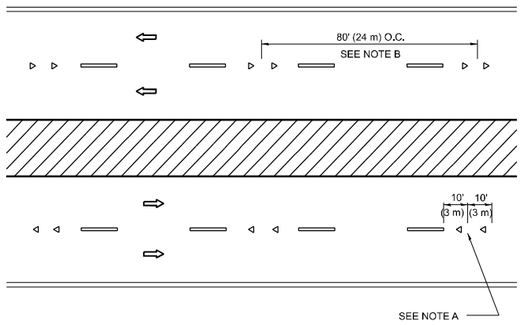
LANE REDUCTION TRANSITION



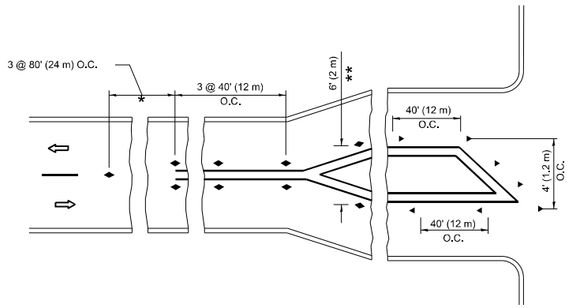
TWO-WAY LEFT TURN

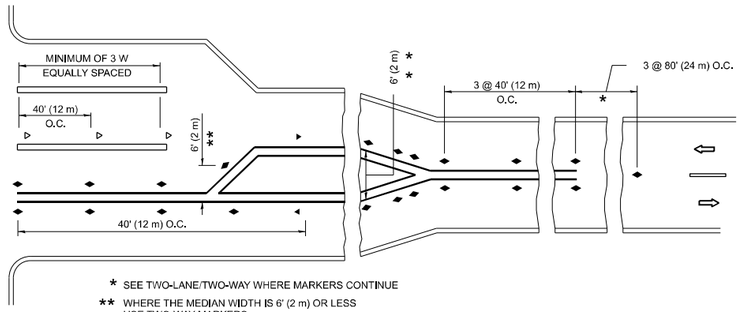


MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

TURN LANES

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

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

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

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

MODEL: Plan Single [Sheet]
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USER NAME = eric.l.thomas	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 8/30/2023	DATE -	REVISED - C. JUCIUS 07-01-13	

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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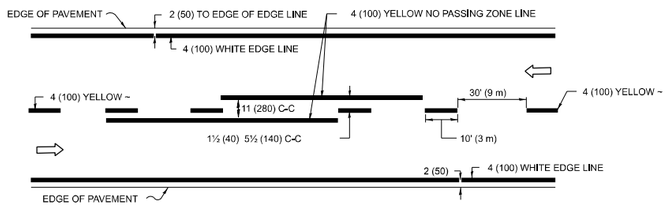
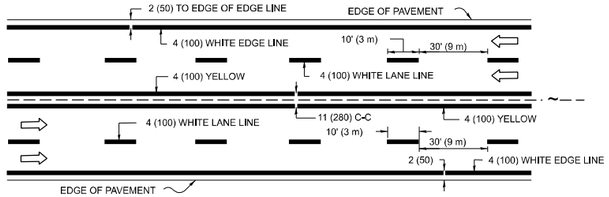
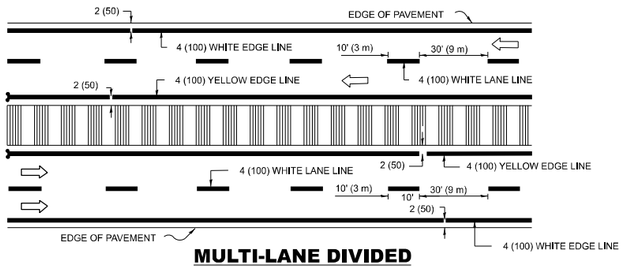
	TC-11	CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY

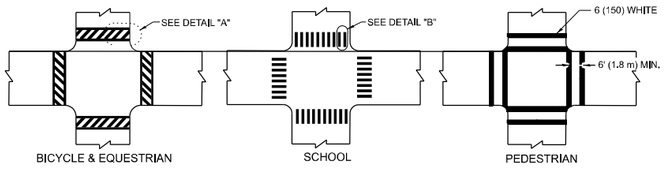


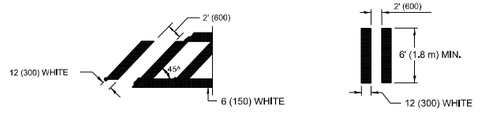
MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

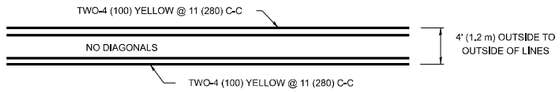




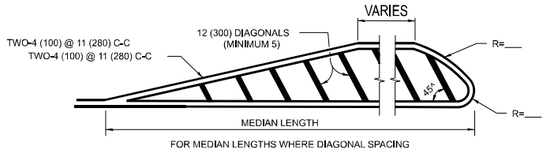
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



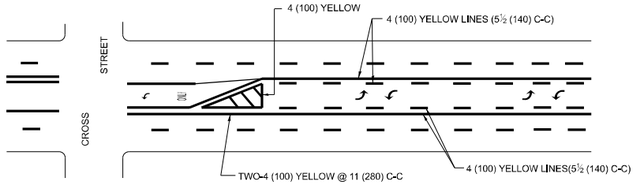
4' (1.2 m) WIDE MEDIANS ONLY



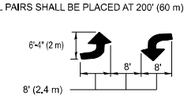
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

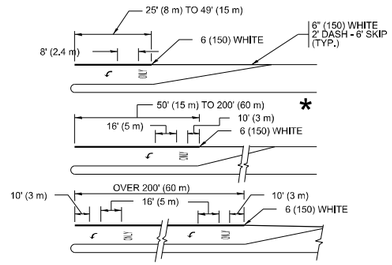


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

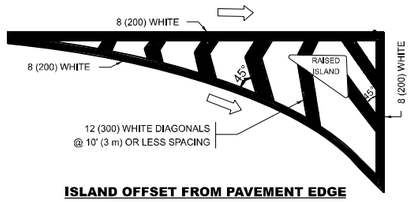


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
AREA = 15,6 SQ. FT. (1,5 m²) **ONLY** AREA = 20,8 SQ. FT. (1,9 m²)

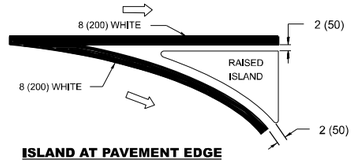
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

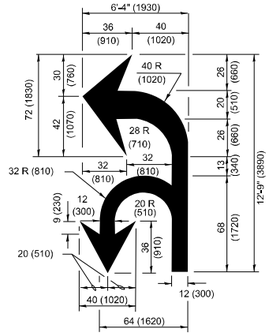


ISLAND OFFSET FROM PAVEMENT EDGE

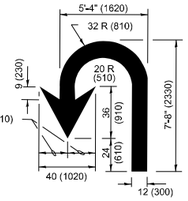


ISLAND AT PAVEMENT EDGE

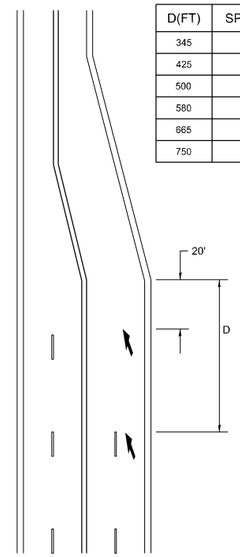
TYPICAL ISLAND MARKING



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: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3,6 SQ. FT. (0,33 m²) EACH "X"=54,0 SQ. FT. (5,0 m²)
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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	DRAWN -	REVISED -	C. JUCIUS 07-01-13
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	C. JUCIUS 12-21-15
PLOT DATE = 8/30/2023	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.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	57
	TC-13	CONTRACT NO. 62R60		
	ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

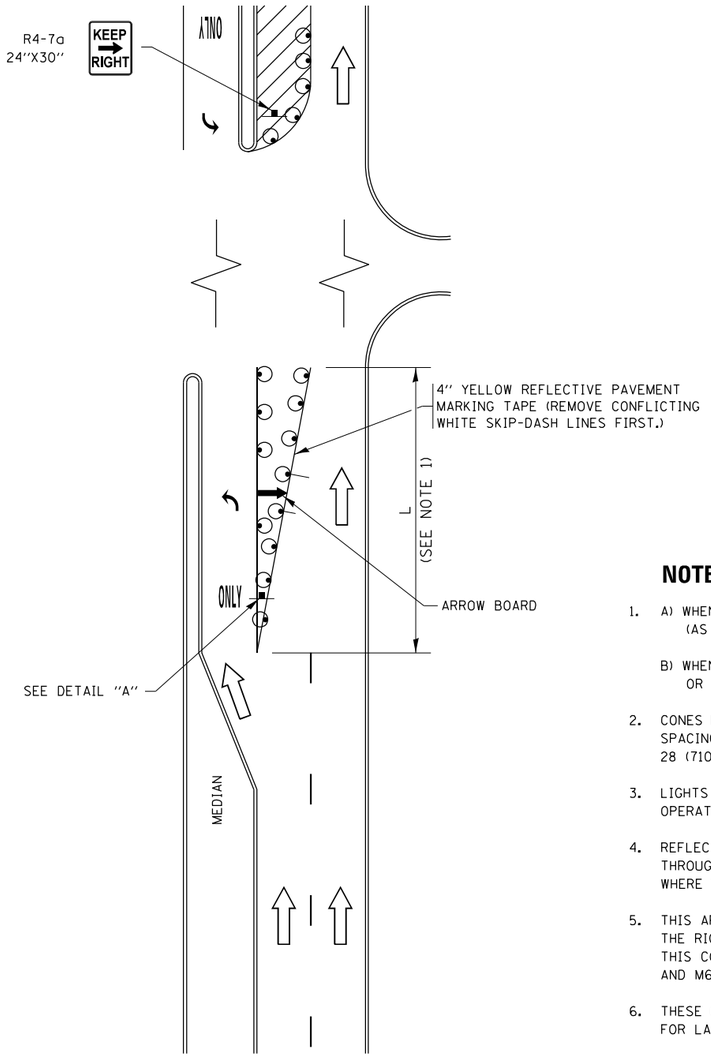


FIGURE 1

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:

1. A) WHEN "L" IS ≤ 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.

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.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. 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.

5. 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-I10OR 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. 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

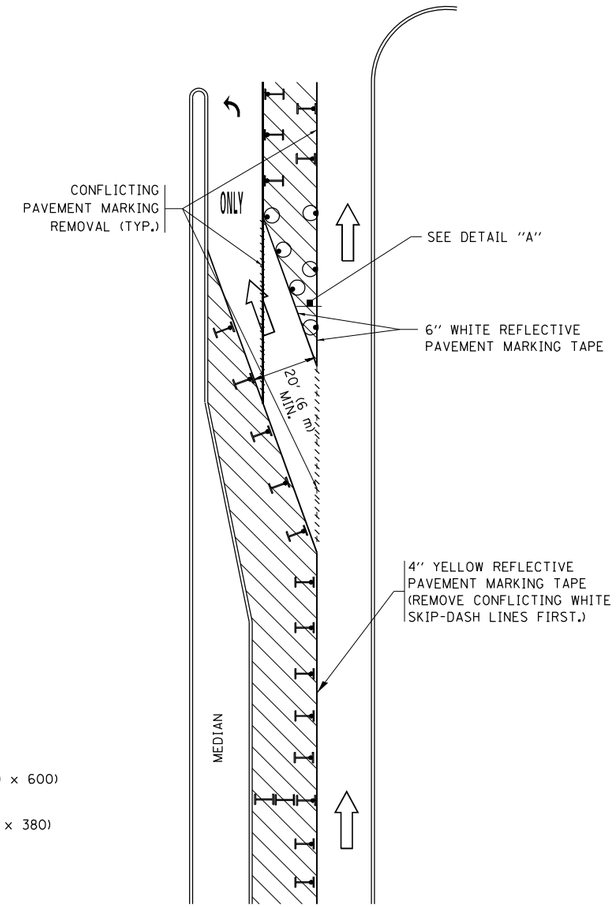
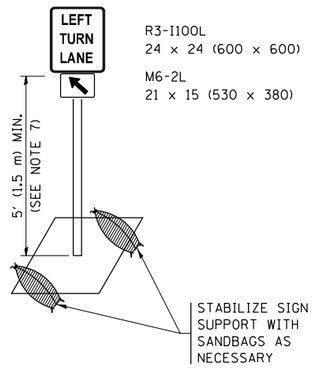


FIGURE 2



DETAIL A

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

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS FED. AID PROJECT			

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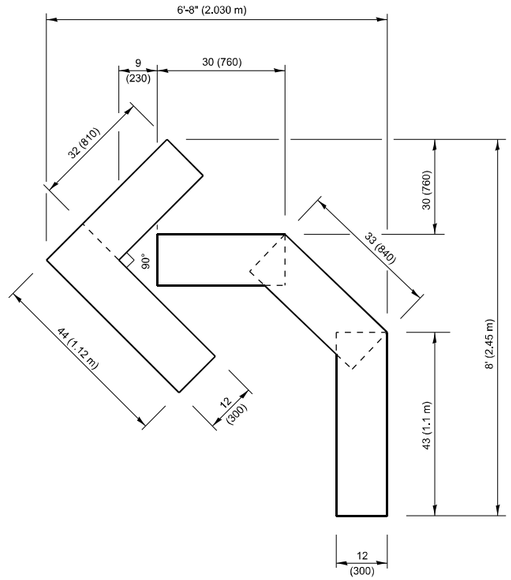
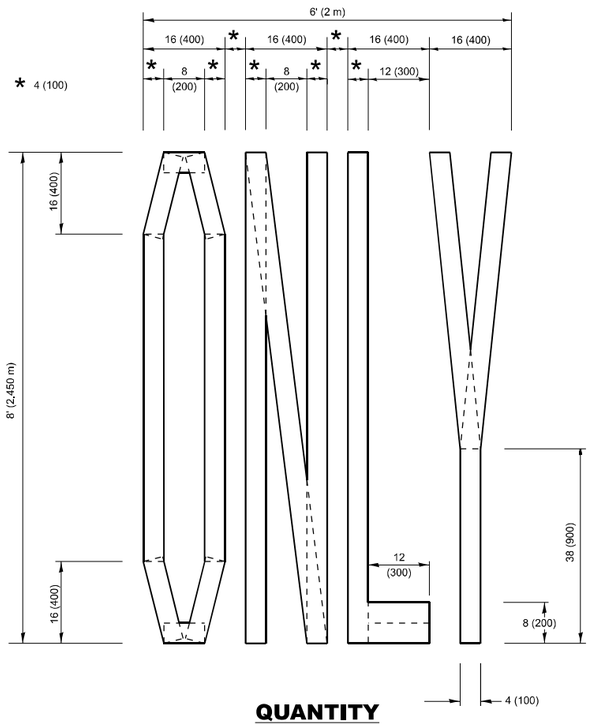


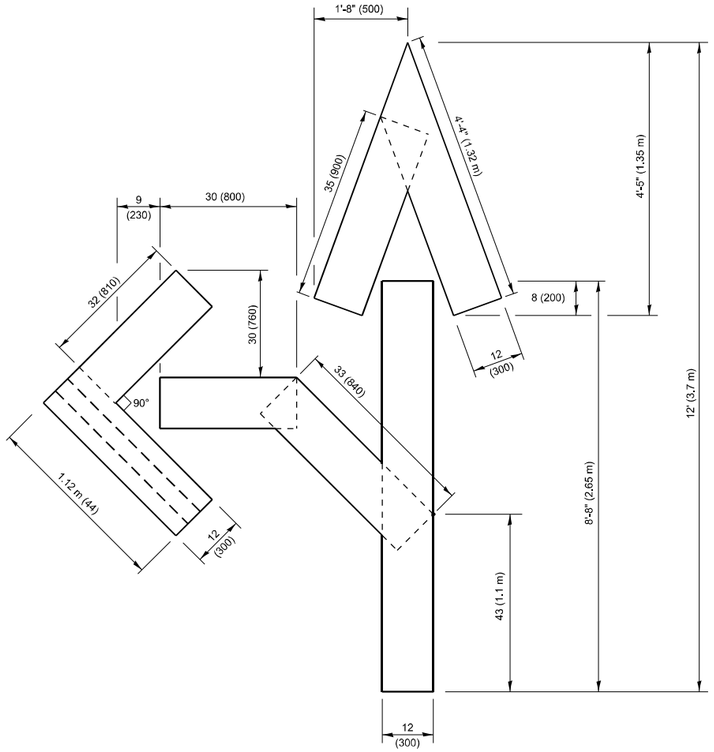
QUANTITY

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)

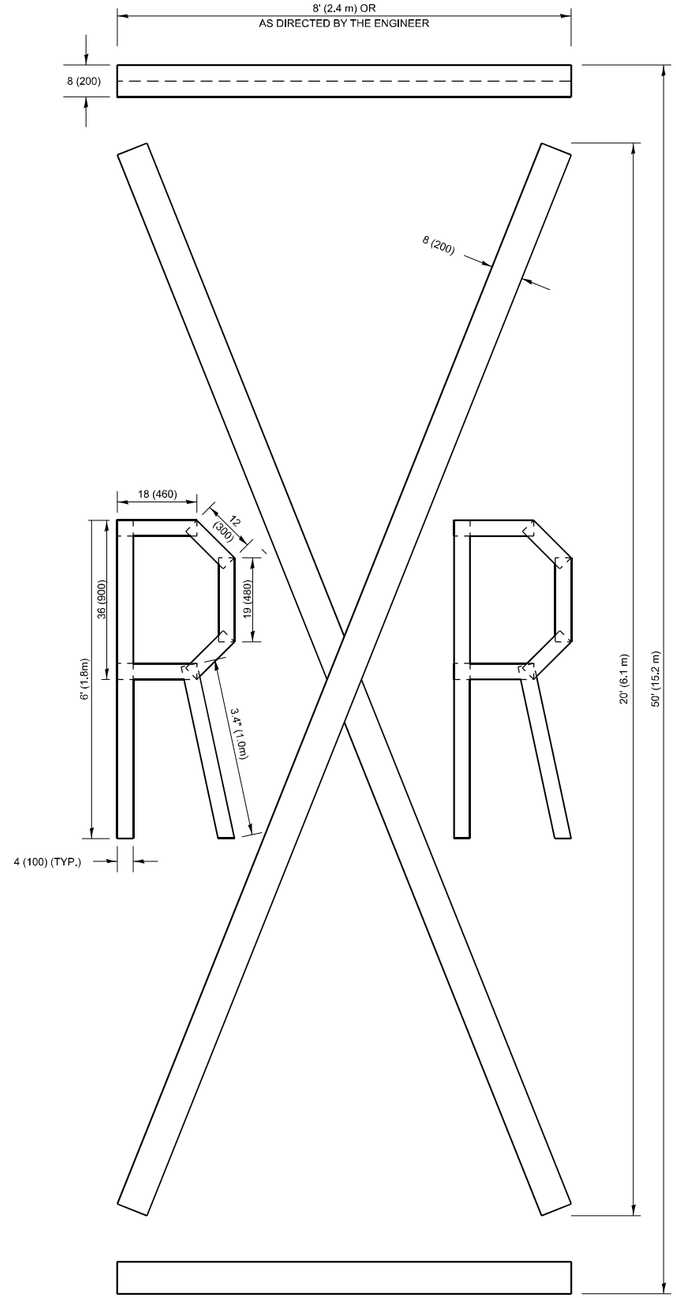


QUANTITY

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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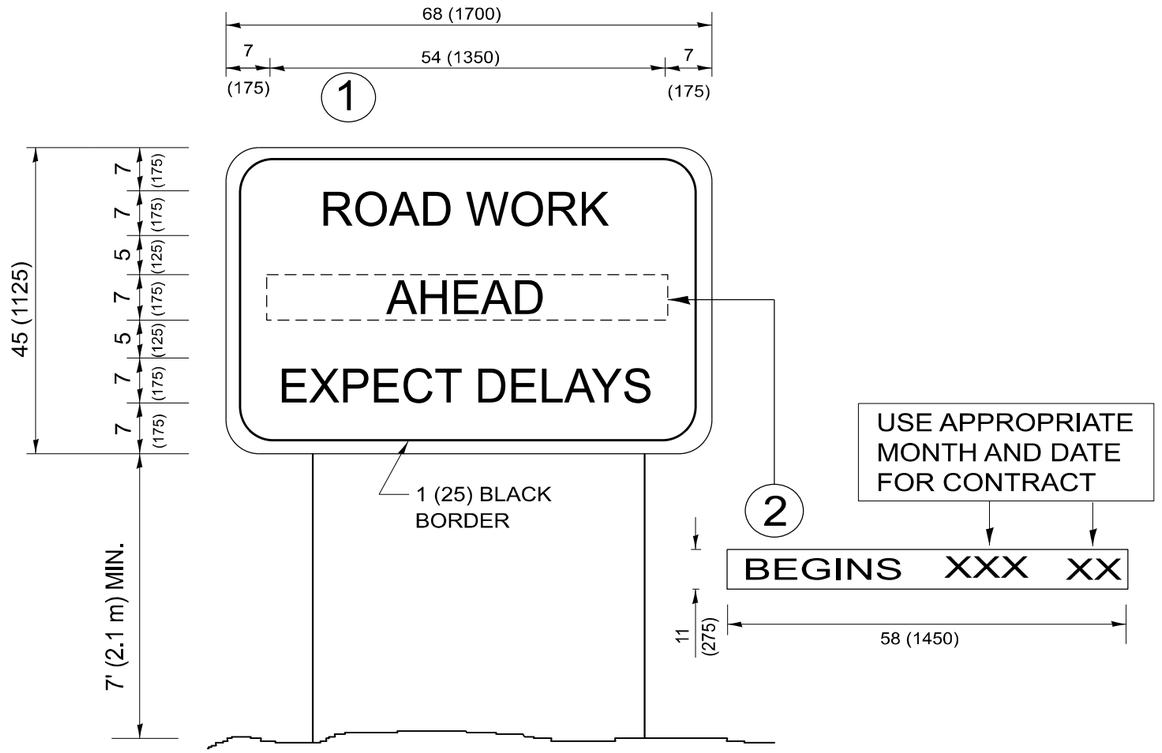
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 8/30/2023	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	59
	TC-16	CONTRACT NO. 62R60		
	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.

USER NAME = eric.l.thomas	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = 8/30/2023	DATE -	REVISED -	C. JUCIUS 01-31-07

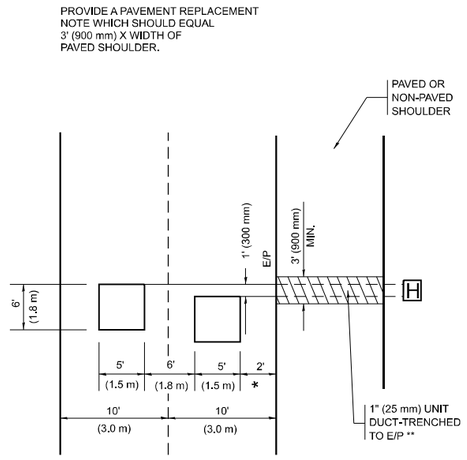
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	60
	TC-22	CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

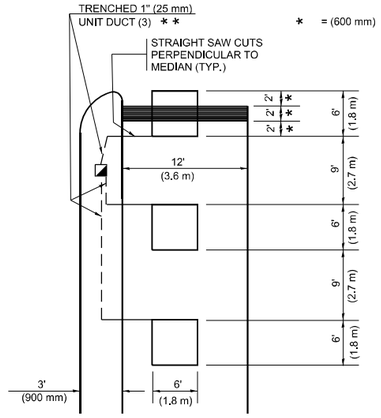


* = (600 mm)

* * 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)

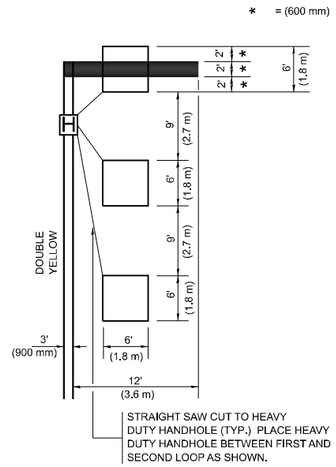


* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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)



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 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.

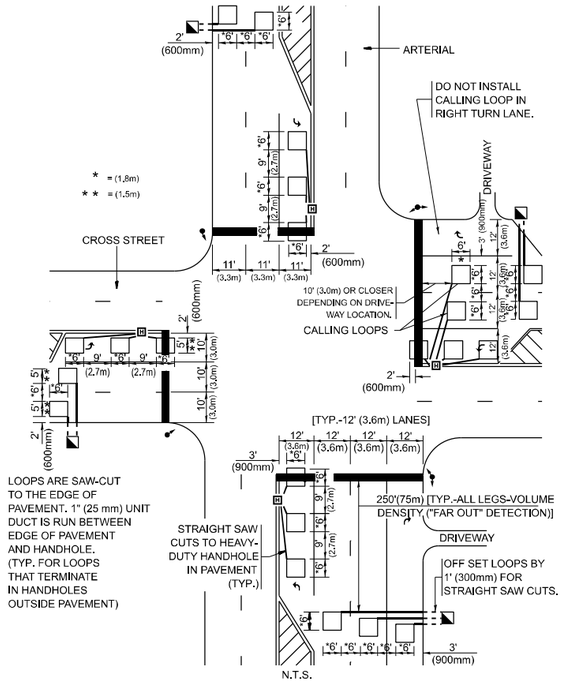
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

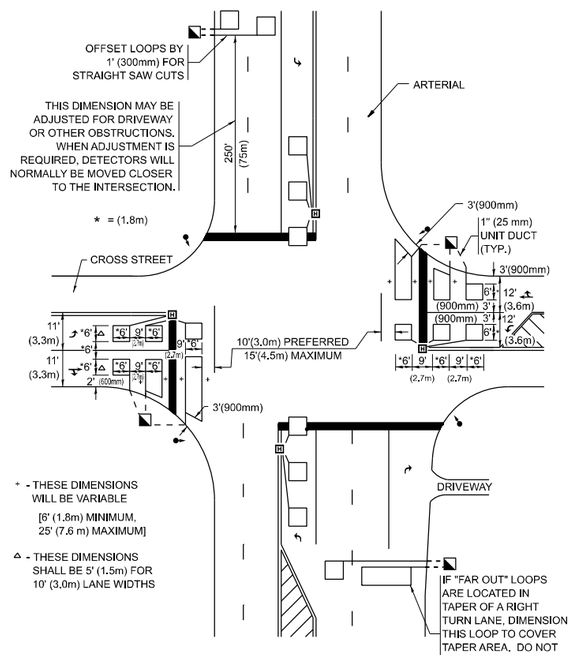
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

MODEL: Plan Single [Sheet]
FILE NAME: Z:_IDOTCAD_ORD Folder Master_Master Files\IDOTCAD_CONNECT\Configuration\Organization-Civil\IDOT_Standards\Dgnlib\Sheet Seeds\Civil_Named_Boundary_SheetSeeds.dgnlib

USER NAME = eric.l.thomas	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - R.K.F.	REVISED -	
PLOT DATE = 8/30/2023	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS2	DUPAGE	61	61
	TS-07	CONTRACT NO. 62R60		
	ILLINOIS	FED. AID PROJECT		