03-07-2025 LETTING ITEM 019

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS *	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	1
	ILLINOIS	CONTRACT NO. 62R58		

* 75 + 4 = 79 TOTAL SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

F.A.U. ROUTE 1321 (IL 19 / IRVING PARK ROAD)
EAST OF WISE ROAD TO ROSELLE ROAD
SECTION: FAU 1321 22 RS
PROJECT: NHPP-STP-YJJD(457)
DESIGNED OVERLAY, NEW SHOULDERS, AND ADA IMPROVEMENTS
COOK AND DUPAGE COUNTIES

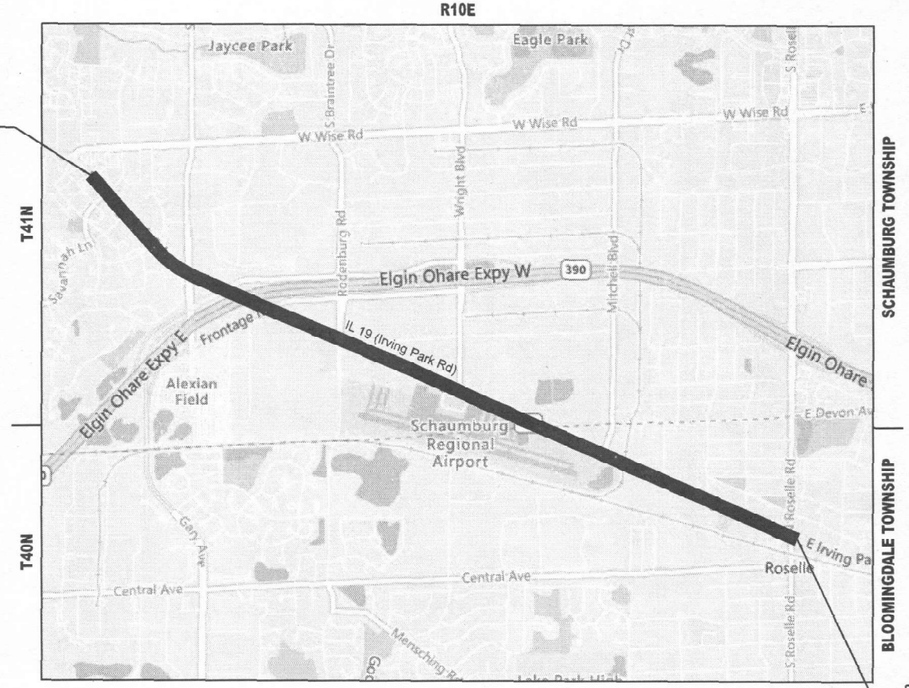
C-91-209-22

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS IMPROVEMENT IS LOCATED IN THE VILLAGES OF ROSELLE AND SCHAUMBURG, AND UNINCORPORATED BLOOMINGDALE AND SCHAUMBURG TOWNSHIPS

TRAFFIC DATA:
IL 19 / IRVING PARK ROAD
2023 ADT: 13,300
POSTED AND DESIGN SPEED LIMIT = 30-45 MPH

R10E



PROJECT BEGINS
STA. 35+20

PROJECT ENDS
STA. 176+95

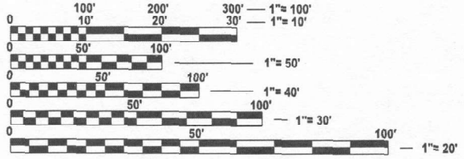
GROSS AND NET LENGTH = 14,175 FT. = 2.68 MILES

N

LOCATION MAP
NOT TO SCALE

D-91-164-22

LOCATION OF SECTION INDICATED THUS: -



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 6 20 24
REGIONAL ENGINEER

January 31 20 25
ENGINEER OF DESIGN AND ENVIRONMENT

January 31 20 25
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

CONTRACT NO. 62R58

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-9	SUMMARY OF QUANTITIES
10	HMA MIXTURE REQUIREMENTS
11-13	EXISTING AND PROPOSED TYPICAL SECTIONS
14	SCHEDULE OF QUANTITIES
15-25	EXISTING AND PROPOSED ROADWAY PLAN
26-31	PAVEMENT MARKING PLAN
32-40	CURB RAMP PLAN
41-61D	TRAFFIC SIGNAL PLAN
62	BD-01: DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB OR EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5 M)
63	BD-02: DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB IS LESS THAN 15' (4.5 M)
64	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
65	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
66	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
67	BD-32: BUTT JOINTS AND HMA TAPER DETAILS
68	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
69	TC-11: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
70	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS
71	TC-14: TRAFFIC CONTROL AND PROTECTION AND TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
72	TC-16: SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
73	TC-22: ARTERIAL ROAD INFORMATION SIGN
74	TC-26: DRIVEWAY ENTRANCE SIGNING
75	TS-07: DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	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
604086-05	FRAME AND GRATE TYPE 23
604091-05	FRAME AND GRATE TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-13	STEEL PLATE BEAM GUARDRAIL
630116	BACKSIDE PROTECTION OF GUARDRAIL
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15FT

HIGHWAY STANDARDS CONTINUED

STANDARD NO.	DESCRIPTION
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
701601-09	URBAN LANE CLOSURE MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
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
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
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 ROSELLE AND SCHAUMBURG, AND BLOOMINGDALE AND SCHAUMBURG TOWNSHIPS.
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 NOTE THE FOLLOWING IN REGARDS TO THE SUMMARY OF QUANTITIES. COLUMNS 1 AND 2 OF THE SUMMARY OF QUANTITIES CORRESPOND TO PROPOSED WORK FROM STA. 35+20 TO STA. 58+50 AND STA. 76+50 TO STA. 125+83 (STP-COOK). COLUMNS 3 AND 4 OF THE SUMMARY OF QUANTITIES CORRESPOND TO PROPOSED WORK FROM STA. 58+50 TO STA. 76+50 (NHPP-COOK). COLUMNS 5 AND 6 OF THE SUMMARY OF QUANTITIES CORRESPOND TO PROPOSED WORK FROM STA. 125+83 TO STA. 175+00 (STP-DUPAGE). COLUMNS 7 AND 8 OF THE SUMMARY OF QUANTITIES CORRESPOND TO PROPOSED WORK FROM 175+00 TO STA. 176+95 (NHPP-DUPAGE). COLUMN 9 OF THE SUMMARY OF QUANTITIES CORRESPONDS TO PROPOSED WORK FROM STA. 35+20 TO STA. 125+83. COLUMN 10 OF THE SUMMARY OF QUANTITIES CORRESPONDS TO PROPOSED WORK FROM STA. 125+83 TO STA. 176+95.
4. THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER, AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
5. THE RESIDENT ENGINEER SHALL REPORT CLEARANCES UNDER THE BRIDGES LOCATED AT APPROXIMATELY STA. 69+50 AND STA. 71+30 AFTER RESURFACING.
6. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
7. 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.
8. 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.

GENERAL NOTES CONTINUED

9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
10. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
11. 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.
12. ALL PAVEMENT PATCHING, COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5", MEDIAN REMOVAL AND REPLACEMENT, DRAINAGE STRUCTURE ADJUSTMENT/RECONSTRUCTION, STORM SEWERS/PIPE CULVERTS TO BE CLEANED LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
13. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
14. 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.
15. 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.
16. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
17. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE 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 ABOVE ITEM 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 IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
18. 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.
19. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGES OF ROSELLE AND SCHAUMBURG. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
20. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
21. EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
22. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL SECTIONS OF THE ILLINOIS CUSTOM SPRAY LAW, INCLUDING LICENSING. CONTRACTOR PERSONNEL APPLYING HERBICIDES SHALL HAVE A VALID PESTICIDE APPLICATOR LICENSE ISSUED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE. THE LICENSED PESTICIDE APPLICATOR SHALL SUBMIT THEIR CURRENT LICENSE TO THE ENGINEER. THE LICENSED PESTICIDE APPLICATOR SHALL BE QUALIFIED AT A MINIMUM IN RIGHT-OF-WAY AND AQUATICS. THE LICENSED APPLICATOR SHALL WORK ON-SITE.
23. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171 AT LEAST 2 WEEKS PRIOR TO FORESTRY WORK FOR LAYOUT.
24. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, TO SCHEDULE LAYOUT OF AREAS TO BE TREATED WITH HERBICIDE AT LEAST 7 DAYS PRIOR TO THE APPLICATION.
25. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE TREES, SHRUBS, PERENNIALS, BULBS, AND/OR NATIVE SEEDING.
26. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS/BODY OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

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USER NAME = Farhan.Tariq	DESIGNED -	REVISED - FT, 1/27/2025	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES IL 19 (EAST OF WISE RD. TO ROSELLE RD.)	
	DRAWN -	REVISED -			
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -			
PLOT DATE = 1/27/2025	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	2
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (STP) COOK CO. ROADWAY 0005 URBAN	80% FED 20% STATE (STP) COOK CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (NHPP) COOK CO. ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) COOK CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP) DUPAGE CO. ROADWAY 0005 URBAN	80% FED 20% STATE (STP) DUPAGE CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (NHPP) DUPAGE CO. ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) DUPAGE CO. TR. SIGNALS 0021 URBAN	100% STATE COOK CO. ROADWAY 0005 URBAN	100% STATE DUPAGE CO. ROADWAY 0005 URBAN		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	310	120		10		180							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	100	60		40									
20101100	TREE TRUNK PROTECTION	EACH	7	6		1									
20200100	EARTH EXCAVATION	CU YD	1480	961		11		508							
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2	2											
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	339	121				218							
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	17	11		1		5							
20400800	FURNISHED EXCAVATION	CU YD	31	7				24							
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1016	363				653							
21101605	TOPSOIL FURNISH AND PLACE, 2"	SQ YD	390			112		278							
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2511	1551		163		797							
21400100	GRADING AND SHAPING DITCHES	FOOT	2914	2277				637							
25000210	SEEDING, CLASS 2A	ACRE	0.39	0.16		0.02		0.21							
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	15		2		19							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	15		2		19							
25100630	EROSION CONTROL BLANKET	SQ YD	1615	501		112		1002							
25200110	SODDING, SALT TOLERANT	SQ YD	1028	792		163		73							
25200200	SUPPLEMENTAL WATERING	UNIT	40	26.4		4.4		9.2							
28000400	PERIMETER EROSION BARRIER	FOOT	463					463							
28100105	STONE RIPRAP, CLASS A3	SQ YD	6					6							
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	339	121				218							
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	4065	1452				2613							
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	77					77							
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	174					174							
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	427	263		164									
35600711	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 3/4"	SQ YD	7	7											
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	9146	3267				5879							
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	59026	31307		12593		13762		1364					

★ SPECIALTY ITEMS

USER NAME = Farhan.Tariq	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 12/11/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	3
		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		

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REV-SEP

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (STP) COOK CO. ROADWAY 0005 URBAN	80% FED 20% STATE (STP) COOK CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (NHPP) COOK CO. ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) COOK CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP) DUPAGE CO. ROADWAY 0005 URBAN	80% FED 20% STATE (STP) DUPAGE CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (NHPP) DUPAGE CO. ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) DUPAGE CO. TR. SIGNALS 0021 URBAN	100% STATE COOK CO. ROADWAY 0005 URBAN	100% STATE DUPAGE CO. ROADWAY 0005 URBAN		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	44784	22796		8701		12327		960					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	128	68		28		28		4					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	316	137		65		37		77					
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	8471	5058		2071		1342							
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	479					367		112					
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	76	30		18		28							
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	8388	4426		1813		1922		227					
42001300	PROTECTIVE COAT	SQ YD	3954	2523		914		441		76					
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	10					10							
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	177	112		6		59							
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4661	2757		827		680		397					
42400800	DETECTABLE WARNINGS	SQ FT	382	257		125									
44000100	PAVEMENT REMOVAL	SQ YD	525	24				501							
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	8682					6663		2019					
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	75619	45148		18491		11980							
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	595	112		6		477							
44000600	SIDEWALK REMOVAL	SQ FT	3302	1975		180		750		397					
44003100	MEDIAN REMOVAL	SQ FT	10819	9349		1470									
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	331					289		42					
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	195					170		25					
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	664					580		84					
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	670	408		176		86							
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	128	77				51							

★ SPECIALTY ITEMS

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USER NAME = Farhan.Tariq	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 12/11/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	4
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

				CONSTRUCTION TYPE CODE											
				80% FED 20% STATE (STP) COOK CO.	80% FED 20% STATE (STP) COOK CO.	80% FED 20% STATE (NHPP) COOK CO.	80% FED 20% STATE (NHPP) COOK CO.	80% FED 20% STATE (STP) DUPAGE CO.	80% FED 20% STATE (STP) DUPAGE CO.	80% FED 20% STATE (NHPP) DUPAGE CO.	80% FED 20% STATE (NHPP) DUPAGE CO.	100% STATE COOK CO.	100% STATE DUPAGE CO.		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	ROADWAY 0005		
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	238	65				173							
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	281	115				166							
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	4065	1452				2613							
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2					1		1					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	3		1		1							
60255500	MANHOLES TO BE ADJUSTED	EACH	2					1		1					
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	1				1							
60262700	INLETS TO BE RECONSTRUCTED	EACH	4	4											
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1							1					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	24	16		2		3		3					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	15	5		1		9							
60404940	FRAMES AND GRATES, TYPE 23	EACH	4					2		2					
60404950	FRAMES AND GRATES, TYPE 24	EACH	10	7		3									
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	4				1							
60406001	FRAMES AND LIDS, TYPE 1,ADA COMPLIANT, OPEN LID	EACH	1	1											
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	17	3		2		9		3					
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	3215			3215									
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	1495	1495											
60905305	BOX CULVERTS TO BE CLEANED	FOOT	110									110			
60920012	PIPE CULVERTS TO BE CLEANED 12"	FOOT	85										85		
60920015	PIPE CULVERTS TO BE CLEANED 15"	FOOT	146										146		
60920024	PIPE CULVERTS TO BE CLEANED 24"	FOOT	52										52		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	400	200				200							
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	5				3							

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	5
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (STP) COOK CO.	80% FED 20% STATE (STP) COOK CO.	80% FED 20% STATE (NHPP) COOK CO.	80% FED 20% STATE (NHPP) COOK CO.	80% FED 20% STATE (STP) DUPAGE CO.	80% FED 20% STATE (STP) DUPAGE CO.	80% FED 20% STATE (NHPP) DUPAGE CO.	80% FED 20% STATE (NHPP) DUPAGE CO.	100% STATE COOK CO.	100% STATE DUPAGE CO.		
					ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	ROADWAY 0005		
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
	63200310	GUARDRAIL REMOVAL	FOOT	175	100				75							
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1480	961		11		508							
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	3	1		1		1							
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.65		0.01		0.34							
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.65		0.01		0.34							
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	8	4		1		3							
	67100100	MOBILIZATION	L SUM	1	0.54		0.09		0.36		0.01					
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5				0.5							
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	0.5				0.5							
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.9		0.1									
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.5		0.5									
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.6		0.3				0.1					
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.45		0.05		0.45		0.05					
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.75		0.24		0.01							
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	36534	19103		9304		6633		1494					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	15223	7960		3877		2764		622					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1318	753.7		291.2		273.1							
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	45247	22906		4472		17425		444					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	5687	3047		2092		383		165					
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	213	15		198									
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	4147	2407		620		466		654					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	1096	433		387		117		159					
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	9133	4776		2326		1658		373					

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	6
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (STP) COOK CO. ROADWAY 0005 URBAN	80% FED 20% STATE (STP) COOK CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (NHPP) COOK CO. ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) COOK CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (STP) DUPAGE CO. ROADWAY 0005 URBAN	80% FED 20% STATE (STP) DUPAGE CO. TR. SIGNALS 0021 URBAN	80% FED 20% STATE (NHPP) DUPAGE CO. ROADWAY 0005 URBAN	80% FED 20% STATE (NHPP) DUPAGE CO. TR. SIGNALS 0021 URBAN	100% STATE COOK CO. ROADWAY 0005 URBAN	100% STATE DUPAGE CO. ROADWAY 0005 URBAN		
*	72000100	SIGN PANEL - TYPE 1	SQ FT	5	5											
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	5				3							
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	14.5	14.5											
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1318	753.7		291.2		273.1							
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	45247	22906		4472		17425		444					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5687	3047		2092		383		165					
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	213	15		198									
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4147	2407		620		466		654					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1096	433		387		117		159					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	954	488		185		239		42					
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	40	23				17							
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	560	286		49		205		20					
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	26186	13656		4354		6973		1203					
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	131		128		3								
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6		3		3								
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	970		786		184								
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	247		247										
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	241		227		14								
*	87900200	DRILL EXISTING HANDHOLE	EACH	10		9		1								
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2										
*	88600100	DETECTOR LOOP, TYPE I	FOOT	3294		2190		1104								
*	89502200	MODIFY EXISTING CONTROLLER	EACH	4		3		1								
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	83		83										

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	7
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (STP) COOK CO.	80% FED 20% STATE (STP) COOK CO.	80% FED 20% STATE (NHPP) COOK CO.	80% FED 20% STATE (NHPP) COOK CO.	80% FED 20% STATE (STP) DUPAGE CO.	80% FED 20% STATE (STP) DUPAGE CO.	80% FED 20% STATE (NHPP) DUPAGE CO.	80% FED 20% STATE (NHPP) DUPAGE CO.	100% STATE COOK CO.	100% STATE DUPAGE CO.		
					ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	ROADWAY 0005		
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6		3		3								
	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	31		31										
*	89502376	REBUILD EXISTING HANDHOLE	EACH	11		6		1				4				
*																
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0.9		0.1									
	X0325896	WEED CONTROL TOTAL VEGATATION	GALLON	2.5	2.0		0.5									
	X0327036	BIKE PATH REMOVAL	SQ YD	136	97		39									
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	62					62							
	X0327989	REMOVE EXISTING BRICK PAVERS	SQ FT	180					180							
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1		1										
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	9		8		1								
	X2010516	SELECTIVE CLEARING	UNIT	14.4	12.5		1		0.9							
	X2020110	GRADING AND SHAPING SHOULDERS	UNIT	81	32				49							
	X2503112	MOWING (SPECIAL)	SQ YD	1250	500		250		500							
	X2510635	HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)	SQ YD	258	258											
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5					5							
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3					3							
	X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	629	238				387		4					
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	600	332		80		148		40					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	6524	4058		1187		1179		100					
	X4403800	MEDIAN SURFACE REMOVAL	SQ FT	3596			3596									
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	510									240	270		
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	39	13		2		17		7					
	X6061311	CONCRETE MEDIAN SURFACE, 5 INCH	SQ FT	381			381									
	X6065768	CONCRETE MEDIAN SURFACE, 12"	SQ FT	5484	5484											
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	6.48		1.08		4.32		0.12					

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	8
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 80% FED 20% STATE (STP) COOK CO.	80% FED 20% STATE (STP) COOK CO.	80% FED 20% STATE (NHPP) COOK CO.	80% FED 20% STATE (NHPP) COOK CO.	80% FED 20% STATE (STP) DUPAGE CO.		80% FED 20% STATE (NHPP) DUPAGE CO.	80% FED 20% STATE (NHPP) DUPAGE CO.	100% STATE COOK CO.	100% STATE DUPAGE CO.		
					ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005		ROADWAY 0005	TR. SIGNALS 0021	ROADWAY 0005	ROADWAY 0005		
					URBAN	URBAN	URBAN	URBAN	URBAN		URBAN	URBAN	URBAN	URBAN		
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	26		18		8								
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	40		36		4								
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	77									59	18		
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	88.9	25.7				37.5		25.7					
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	6		3		3								
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1					1							
Ø	Z0076600	TRA I NEES	HOUR	500	500											
Ø	Z0076604	TRA I NEES - TRA I N I NG PROGRAM GRADUATE	HOUR	500	500											
	A2004704	TREE, GLEDITSIA TRIACANTHOS INERMIS IMPERIAL (IMPERIAL THORNLESS HONEYLOCUST), 2"	EACH	5					5							
		CALIPER, BALLED AND BURLAPPED														
	A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO K ENTUCK Y COFFEETREE), 2-1/2"	EACH	6	2				4							
		CALIPER, BALLED AND BURLAPPED														
	A2007210	TREE, QUERCUS X MACDANIELLI CLEMONS (HERITAGE OAK), 2"	EACH	2					2							
		CALIPER, BALLED AND BURLAPPED														
	A2008464	TREE, ULMUS AMERICANA NEW HARMONY (NEW HARMONY AMERICAN ELM), 2"	EACH	5	3				2							
		CALIPER, BALLED AND BURLAPPED														
	B2003802	TREE, MALUS JARMIN (MARILEE CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3											
	C2012448	SHRUB, VIBURNUM LENTAGO (NANNYBERRY VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	12					12							
	K 0029614	WEED CONTROL, AQUATIC	GALLON	1.0	0.40		0.20		0.40							
	K 0029620	WEED CONTROL, BROADLEAF WEED CONTROL	GALLON	2.5	1.5		0.5		0.5							
	K 0036120	MULCH PLACEMENT 4"	SQ YD	91	54		6		31							
	K 1005863	TREE ROOT PRUNING	EACH	17	9		1		7							

Ø 0042

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	9
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

REV-SEP

HMA MIXTURE REQUIREMENTS			
MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT AND SHOULDER RESURFACING (LOCATION: STA. 35+20 TO STA. 159+85)	POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1¾"	3.5% @ 80 GYR.	PFP
	HMA BINDER COURSE, IL-9.5, N70; 2"	4% @ 70 GYR.	PFP
PAVEMENT AND SHOULDER RESURFACING (LOCATION: STA. 159+85 TO STA. 176+95)	POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 2"	3.5% @ 80 GYR.	PFP
	POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 ; 1"	3.5% @ 50 GYR.	QC/QA
SHOULDER RECONSTRUCTION AND WIDENING (8" HMA SHOULDERS)	HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 1¾"	4% @ 50 GYR.	QC/QA
	HMA BINDER COURSE, IL-19.0, N50; 6¼"	4% @ 50 GYR.	QC/QA
FULL-DEPTH PAVEMENT AT RODENBURG ROAD	POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1¾"	3.5% @ 80 GYR.	PFP
	HMA BINDER COURSE, IL-9.5, N70; 2"	4% @ 70 GYR.	PFP
	HMA BASE COURSE WIDENING (HMA BINDER IL-19.0); 8¾"	4% @ 90 GYR.	QC/QA
PATCHING	CLASS D PATCH (HMA BINDER IL-19.0); 8" OR 11"	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
MEDIANS	HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 GYR.	QC/QA
	HMA BASE COURSE (HMA BINDER IL-19.0); 10"	4% @ 50 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA), QUALITY CONTROL FOR PERFORMANCE (QCP), AND PAY FOR PERFORMANCE (PFP)			

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

NOTE #2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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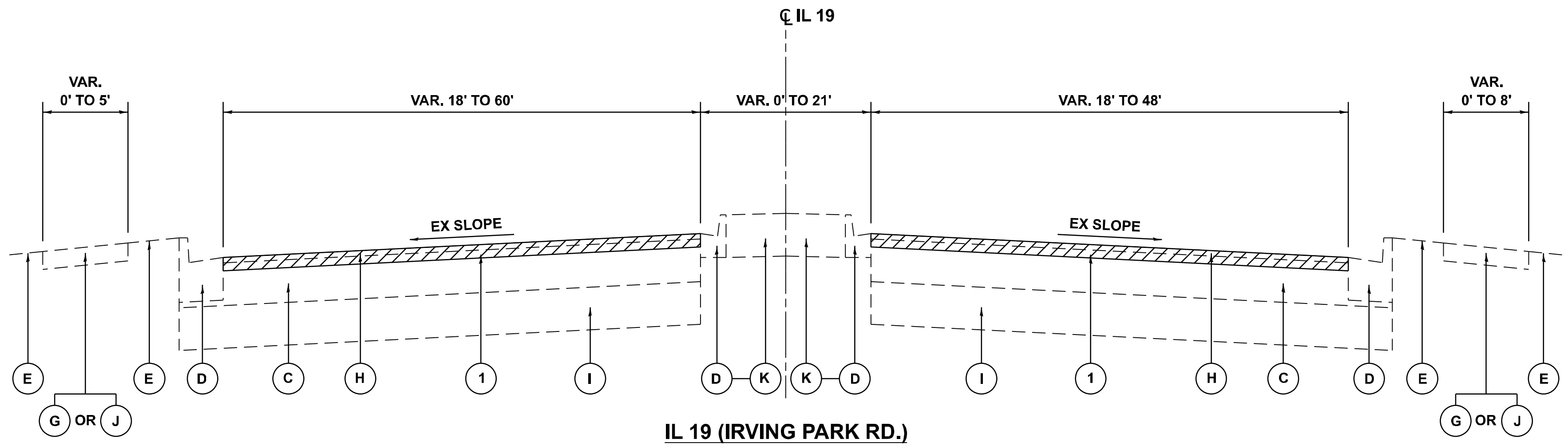
DEPARTMENT OF TRANSPORTATION

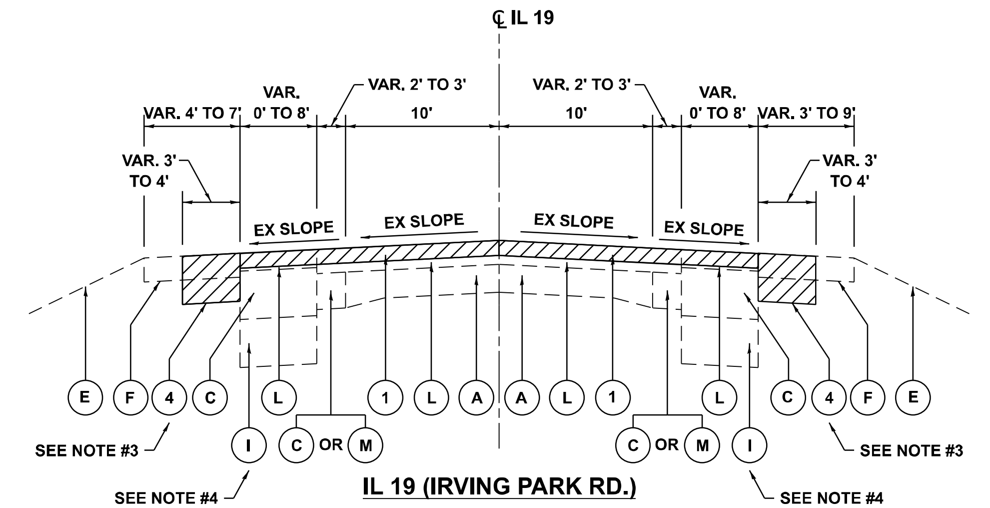
HMA MIXTURE REQUIREMENTS
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

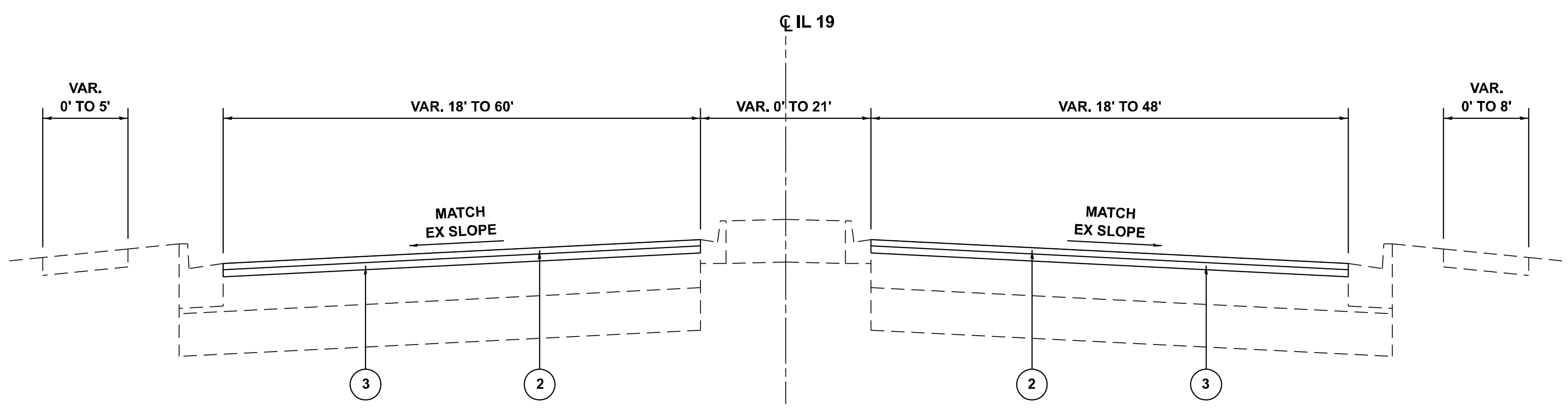
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	10
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



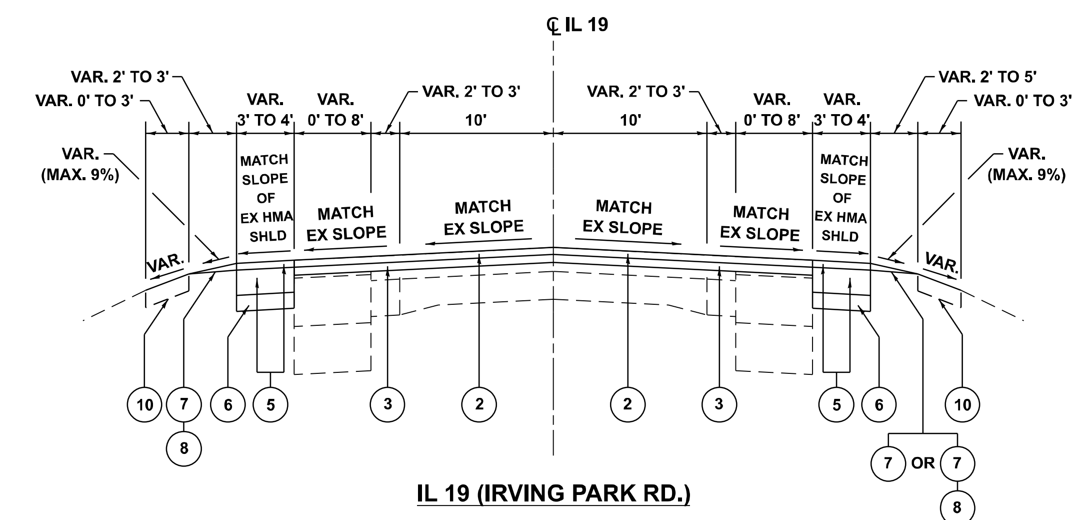
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 35+20 TO STA. 102+85



IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 102+85 TO STA. 125+83



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 35+20 TO STA. 102+85



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 102+85 TO STA. 125+83

LEGEND:

EXISTING:

- (A) EX PCC PAVEMENT, ± 7" TO ± 9"
- (B) EX HMA SURFACE COURSE, ± 4" TO ± 8"
- (C) EX HMA BASE/BINDER COURSE, ± 8" TO ± $13\frac{1}{2}$"
- (D) EX COMB CONC CURB AND GUTTER
- (E) EX GROUND
- (F) EX AGGREGATE SHOULDER
- (G) EX PCC SIDEWALK
- (H) EX HMA SURFACE COURSE, ± $1\frac{1}{2}$"
- (I) EX AGGREGATE SUBGRADE ± 12"
- (J) EX HMA MULTI-USE PATH
- (K) EX PCC SM MEDIAN / EX PCC SB MEDIAN / EX CONCRETE MEDIAN SURFACE ± 4" / EX HMA MEDIAN SURFACE ± 12"
- (L) EX HMA SURFACE COURSE, ± $4\frac{1}{2}$ TO ± 6"
- (M) EX PCC BASE COURSE, ± 9"
- (N) EX HMA SURFACE COURSE, ± 3"

PROPOSED:

1. PR HMA SURFACE REMOVAL, $3\frac{3}{4}$"
2. PR POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, $1\frac{3}{4}$"
3. PR HMA BINDER COURSE, IL-9.5, N70, 2"
4. PR EARTH EXCAVATION
5. PR HMA SHOULDERS, 8"
   INCLUDES:
   PR HMA SURFACE COURSE, IL-9.5, MIX "D", N50, $1\frac{3}{4}$"
   PR HMA BINDER COURSE, IL-19.0, N50, $6\frac{1}{4}$"
6. PR SUBBASE GRANULAR MATERIAL, TYPE B 4"
7. PR AGGREGATE WEDGE SHOULDER, TYPE B
8. PR GRADING AND SHAPING SHOULDERS
9. PR PAVEMENT REMOVAL
10. PR REGRADING
    INCLUDES:
    PR GRADING AND SHAPING DITCHES
    PR TOPSOIL FURNISH AND PLACE, 4"
    PR NITROGEN FERTILIZER NUTRIENT
    PR POTASSIUM FERTILIZER NUTRIENT
    PR SEEDING, CLASS 2A
    PR EROSION CONTROL BLANKET *OR*
    PR HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
11. PR HMA SURFACE REMOVAL, 3"
12. PR POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"
13. PR POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE.
3. EARTH EXCAVATION SHALL BE TO EXTENT TO INSTALL PR HMA SHOULDERS, 8" AND PR SUBBASE GRANULAR MATERIAL, TYPE B 4" (SEE PR TYPICAL SECTION AND ROADWAY PLANS).
4. EX AGGREGATE SUBGRADE PRESENT ONLY FROM STA. 103+80 TO STA. 114+40.

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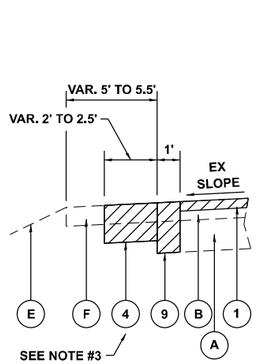
PLOT DATE = 1/13/2025	DATE -	REVISED -	

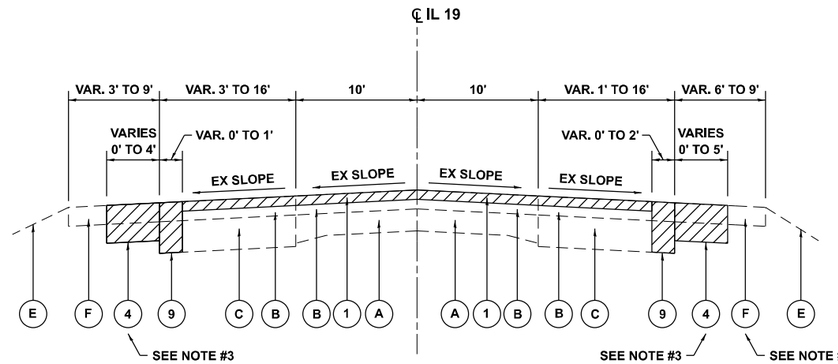
EXISTING AND PROPOSED TYPICAL SECTIONS
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

SCALE: SHEET OF SHEETS STA. TO STA.

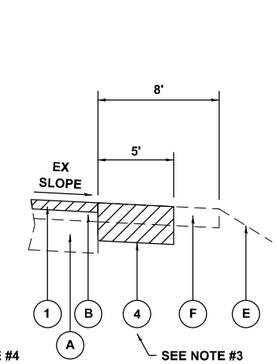
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	11
		CONTRACT NO. 62R58		
		ILLINOIS	FED. AID PROJECT	



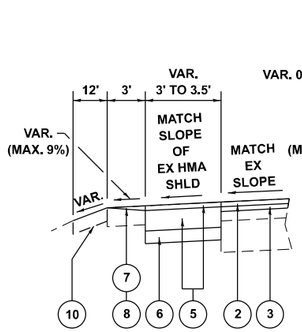
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL DETAIL
STA. 154+60 TO STA. 159+29 (LT)



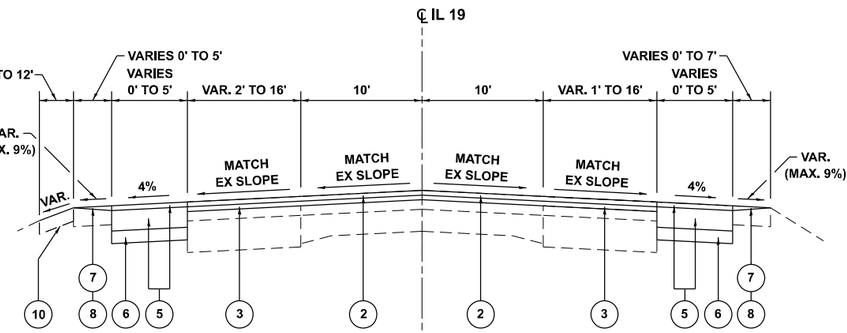
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 125+83 TO STA. 159+85



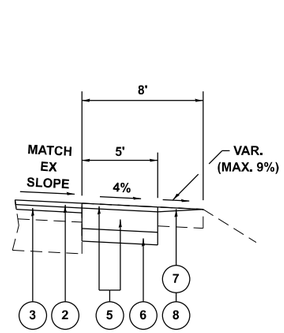
IL 19 (IRVING PARK RD.)
EXISTING TYPICAL DETAIL
STA. 135+43 TO STA. 141+67 (RT)



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL DETAIL
STA. 154+60 TO STA. 159+29 (LT)



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 125+83 TO STA. 159+85



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL DETAIL
STA. 135+43 TO STA. 141+67 (RT)

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE.
3. EARTH EXCAVATION SHALL BE TO EXTENT TO INSTALL PR HMA SHOULDERS, 8" AND PR SUBBASE GRANULAR MATERIAL, TYPE B 4" (SEE PR TYPICAL SECTION/DETAIL AND ROADWAY PLANS).
4. EX COMB CONC CURB AND GUTTER PRESENT INSTEAD OF EX AGGREGATE SHOULDER:
   - FROM STA. 144+15 TO STA. 148+95
   - FROM STA. 153+62 TO STA. 159+85

   EX PCC SHOULDER AND COMB CONC CURB AND GUTTER PRESENT INSTEAD OF EX AGGREGATE SHOULDER:
   - FROM STA. 148+95 TO STA. 150+48

LEGEND:

EXISTING:

- (A) EX PCC PAVEMENT, ± 7" TO ± 9"
- (B) EX HMA SURFACE COURSE, ± 4" TO ± 8"
- (C) EX HMA BASE/BINDER COURSE, ± 8" TO ± 13½"
- (D) EX COMB CONC CURB AND GUTTER
- (E) EX GROUND
- (F) EX AGGREGATE SHOULDER
- (G) EX PCC SIDEWALK
- (H) EX HMA SURFACE COURSE, ± 1½"
- (I) EX AGGREGATE SUBGRADE ± 12"
- (J) EX HMA MULTI-USE PATH
- (K) EX PCC SM MEDIAN / EX PCC SB MEDIAN / EX CONCRETE MEDIAN SURFACE ± 4" / EX HMA MEDIAN SURFACE ± 12"
- (L) EX HMA SURFACE COURSE, ± 4½ TO ± 6"
- (M) EX PCC BASE COURSE, ± 9"
- (N) EX HMA SURFACE COURSE, ± 3"

PROPOSED:

- (1) PR HMA SURFACE REMOVAL, 3¾"
- (2) PR POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1¾"
- (3) PR HMA BINDER COURSE, IL-9.5, N70, 2"
- (4) PR EARTH EXCAVATION
- (5) PR HMA SHOULDERS, 8"
  INCLUDES:
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
  PR HMA BINDER COURSE, IL-19.0, N50, 6¼"
- (6) PR SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (7) PR AGGREGATE WEDGE SHOULDER, TYPE B
- (8) PR GRADING AND SHAPING SHOULDERS
- (9) PR PAVEMENT REMOVAL
- (10) PR REGRADING
  INCLUDES:
  PR GRADING AND SHAPING DITCHES
  PR TOPSOIL FURNISH AND PLACE, 4"
  PR NITROGEN FERTILIZER NUTRIENT
  PR POTASSIUM FERTILIZER NUTRIENT
  PR SEEDING, CLASS 2A
  PR EROSION CONTROL BLANKET *OR*
  PR HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
- (11) PR HMA SURFACE REMOVAL, 3"
- (12) PR POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"
- (13) PR POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

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	DRAWN -	REVISED -	
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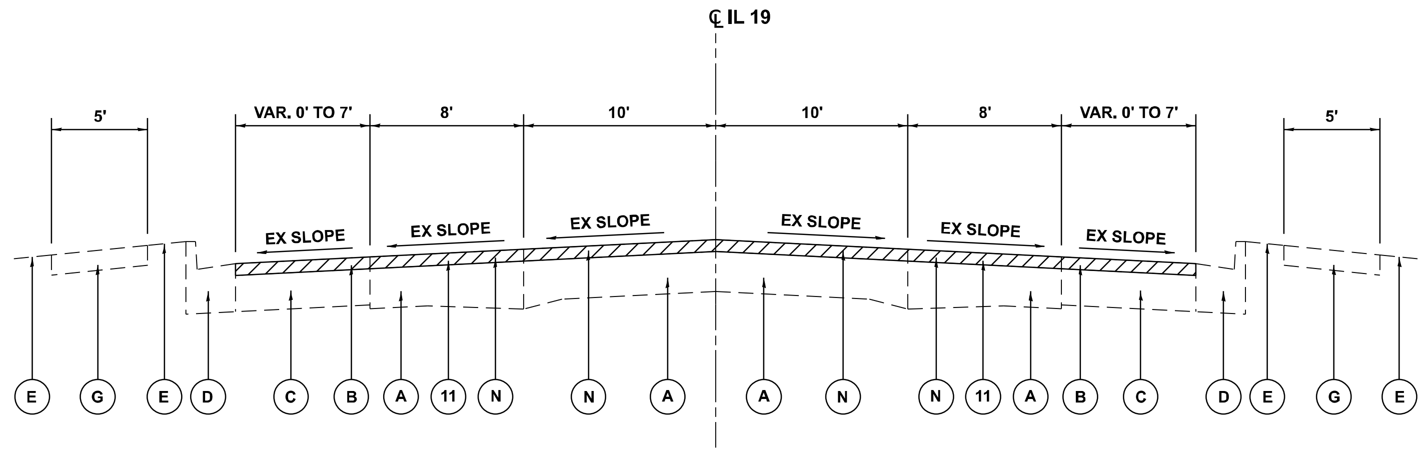
PLOT DATE = 1/18/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

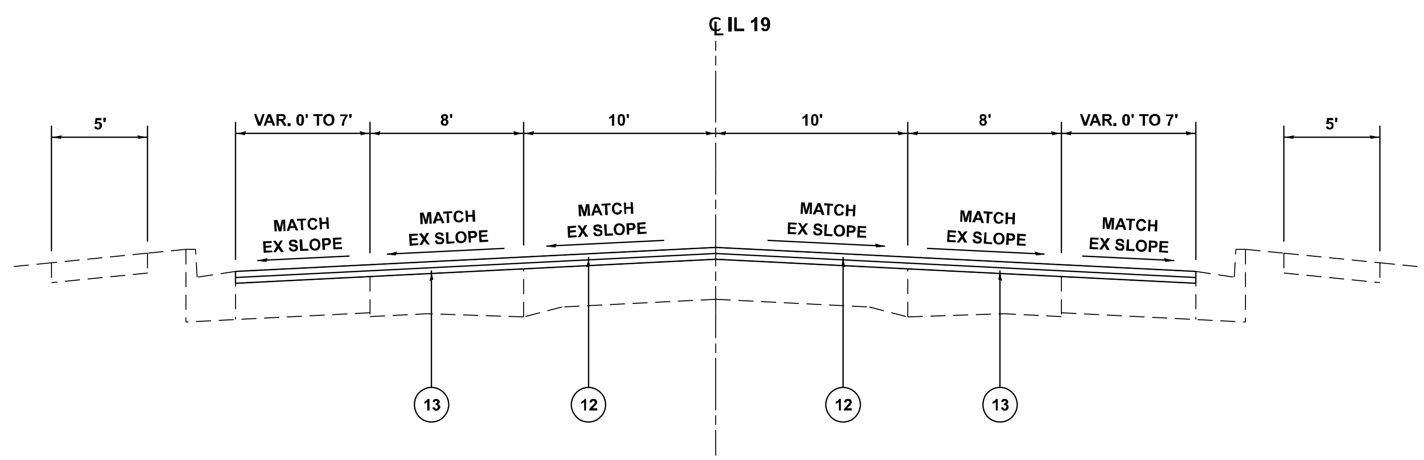
EXISTING AND PROPOSED TYPICAL SECTIONS
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	12
		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		



IL 19 (IRVING PARK RD.)
EXISTING TYPICAL SECTION
STA. 159+85 TO STA. 176+95



IL 19 (IRVING PARK RD.)
PROPOSED TYPICAL SECTION
STA. 159+85 TO STA. 176+95

LEGEND:

EXISTING:

- (A) EX PCC PAVEMENT, ± 7" TO ± 9"
- (B) EX HMA SURFACE COURSE, ± 4" TO ± 8"
- (C) EX HMA BASE/BINDER COURSE, ± 8" TO ± 13½"
- (D) EX COMB CONC CURB AND GUTTER
- (E) EX GROUND
- (F) EX AGGREGATE SHOULDER
- (G) EX PCC SIDEWALK
- (H) EX HMA SURFACE COURSE, ± 1½"
- (I) EX AGGREGATE SUBGRADE ± 12"
- (J) EX HMA MULTI-USE PATH
- (K) EX PCC SM MEDIAN / EX PCC SB MEDIAN / EX CONCRETE MEDIAN SURFACE ± 4" / EX HMA MEDIAN SURFACE ± 12"
- (L) EX HMA SURFACE COURSE, ± 4½ TO ± 6"
- (M) EX PCC BASE COURSE, ± 9"
- (N) EX HMA SURFACE COURSE, ± 3"

PROPOSED:

- (1) PR HMA SURFACE REMOVAL, 3¾"
- (2) PR POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1¾"
- (3) PR HMA BINDER COURSE, IL-9.5, N70, 2"
- (4) PR EARTH EXCAVATION
- (5) PR HMA SHOULDERS, 8"
  INCLUDES:
  - PR HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
  - PR HMA BINDER COURSE, IL-19.0, N50, 6¼"
- (6) PR SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (7) PR AGGREGATE WEDGE SHOULDER, TYPE B
- (8) PR GRADING AND SHAPING SHOULDERS
- (9) PR PAVEMENT REMOVAL
- (10) PR REGRADING
  INCLUDES:
  - PR GRADING AND SHAPING DITCHES
  - PR TOPSOIL FURNISH AND PLACE, 4"
  - PR NITROGEN FERTILIZER NUTRIENT
  - PR POTASSIUM FERTILIZER NUTRIENT
  - PR SEEDING, CLASS 2A
  - PR EROSION CONTROL BLANKET *OR*
  - PR HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
- (11) PR HMA SURFACE REMOVAL, 3"
- (12) PR POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"
- (13) PR POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HMA BINDER COURSE, IL-4.75, N50.

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PLOT DATE = 12/11/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	13
		CONTRACT NO. 62R58		
		ILLINOIS	FED. AID PROJECT	

SHOULDER AND GRADING SCHEDULE

FROM STATION	TO STATION	SIDE	21101615	21400100	25000210	25000400	25000600	25100630	31101200	48102100	48203029	X2020110	X2510635
			TOPSOIL FURNISH AND PLACE, 4"	GRADING AND SHAPING DITCHES	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	SUBBASE GRANULAR MATERIAL, TYPE B 4"	AGGREGATE WEDGE SHOULDER, TYPE B	HOT-MIX ASPHALT SHOULDERS, 8"	GRADING AND SHAPING SHOULDERS	HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
			SQ YD	FOOT	ACRE	POUND	POUND	SQ YD	SQ YD	TON	SQ YD	UNIT	SQ YD
102+85	111+53	RT	289.3	868	0.06	5.4	5.4	289.0	289.7	18.6	289.7	8.7	0.0
112+70	120+43	RT	257.7	773	0.05	4.8	4.8	0.0	256.6	16.6	256.6	0.0	257.7
120+43	125+83	RT	0.0	0	0.00	0.0	0.0	0.0	235.3	28.9	235.3	5.4	0.0
125+83	127+65	RT	0.0	0	0.00	0.0	0.0	0.0	100.9	9.7	100.9	1.8	0.0
127+65	135+43	RT	0.0	0	0.00	0.0	0.0	0.0	432.4	20.0	432.4	7.8	0.0
135+43	141+67	RT	0.0	0	0.00	0.0	0.0	0.0	346.7	16.0	346.7	6.2	0.0
141+67	143+75	RT	0.0	0	0.00	0.0	0.0	0.0	116.0	5.3	116.0	2.1	0.0
150+48	153+67	RT	0.0	0	0.00	0.0	0.0	0.0	176.0	8.2	176.0	3.2	0.0
102+85	105+71	LT	95.3	286	0.02	1.8	1.8	95.3	92.2	6.1	92.2	2.9	0.0
106+75	110+25	LT	116.7	350	0.02	2.2	2.2	116.7	115.6	7.5	115.6	3.5	0.0
112+90	117+02	LT	0.0	0	0.00	0.0	0.0	0.0	134.7	13.2	134.7	4.1	0.0
118+41	125+83	LT	0.0	0	0.00	0.0	0.0	0.0	327.2	23.8	327.2	7.4	0.0
125+83	128+23	LT	0.0	0	0.00	0.0	0.0	0.0	132.9	7.7	132.9	2.4	0.0
128+23	138+71	LT	0.0	0	0.00	0.0	0.0	0.0	582.3	47.5	582.3	8.9	0.0
140+44	143+77	LT	0.0	0	0.00	0.0	0.0	0.0	0.0	10.7	0.0	3.3	0.0
144+16	151+04	LT	0.0	0	0.00	0.0	0.0	0.0	383.0	19.9	383.0	6.2	0.0
151+53	154+60	LT	250.7	282	0.05	4.7	4.7	250.7	171.0	9.1	171.0	2.8	0.0
154+60	159+30	LT	473.3	355	0.10	8.8	8.8	473.3	171.8	11.4	171.8	3.6	0.0
		TOTAL =	**1,483**	**2,914**	**0.31**	**28**	**28**	**1,225**	**4,065**	**281**	**4,065**	**81**	**258**

PAVEMENT REMOVAL SCHEDULE

FROM STATION	TO STATION	SIDE	44000100
			PAVEMENT REMOVAL
			SQ YD
114+66	115+13	RT	24
125+83	135+43	RT	104
125+83	138+71	LT	143
141+67	143+75	RT	23
144+16	150+98	LT	76
150+48	153+64	RT	70
151+60	159+22	LT	84
		TOTAL =	**525**

NOTES:

1. WIDTH OF AGGREGATE WEDGE SHOULDER, TYPE B IS 3 FEET EXCEPT AT LOCATIONS BELOW WHERE WIDTH IS SHOWN IN PARENTHESES.
   - STA. 102+85 TO STA. 111+53 (RT) (2')
   - STA. 112+70 TO STA. 120+43 (RT) (2')
   - STA. 120+43 TO STA. 127+65 (RT) (5')
   - STA. 102+85 TO STA. 105+71 (LT) (2')
   - STA. 106+75 TO STA. 110+25 (LT) (2')
   - STA. 129+65 TO STA. 138+71 (LT) (5')
2. WIDTH OF GRADING AND SHAPING DITCHES IS 3 FEET EXCEPT AT LOCATIONS BELOW WHERE WIDTH IS SHOWN IN PARENTHESES.
   - STA. 151+53 TO STA. 154+60 (LT) (8')
   - STA. 154+60 TO STA. 159+30 (LT) (12')
3. HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL) SHALL BE USED IN AREAS WITH GRADING STEEPER THAN 3:1.

CURB RAMP SCHEDULE

IL 19 INTERSECTION	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SIDEWALK REMOVAL	FRAMES AND GRATES TO BE ADJUSTED	FRAMES AND LIDS TO BE ADJUSTED	FRAMES AND LIDS, TYPE 1,ADA COMPLIANT, OPEN LID	BIKE PATH REMOVAL	COMBINATION CURB AND CUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	MEDIAN SURFACE REMOVAL	CONCRETE MEDIAN SURFACE, 5 INCH
	CU YD	SQ YD	SQ YD	UNIT	TON	TON	SQ YD	SQ FT	SQ FT	SQ YD	SQ FT	EACH	EACH	EACH	SQ YD	FOOT	FOOT	SQ FT	SQ FT
	20200100	21101615	25200110	25200200	40602985	40605026	42001300	42400200	42400800	44000164	44000600	60300105	60300305	60406001	X0327036	X4400501	X4400503	X4403800	X6061311
MERCURY DRIVE	11.5	52	52	1.41	0	0	126	824	85	0	634	0	2	0	20	0	102	0	0
SPRINGINSGUTH ROAD	6.5	21	21	0.57	0	0	130	394	80	0	94	0	0	0	39	0	130	381	381
WEST FRONTAGE ROAD	2.0	17	17	0.46	0	0	28	205	20	0	0	0	0	0	0	0	15	0	0
EAST FRONTAGE ROAD	2.0	17	17	0.46	0	0	31	228	25	0	86	0	0	0	0	0	15	0	0
RODENBURG ROAD	8.6	41	41	1.11	2.7	2.4	110	741	69	24	309	1	1	1	67	0	83	0	0
ALBION AVENUE	1.9	10	10	0.27	0	0	17	97	10	0	97	0	0	0	0	0	16	0	0
WRIGHT BOULEVARD	11.0	51	51	1.38	0	0	140	1095	93	0	935	0	2	0	10	0	55	0	0
WILLIAMS STREET	1.5	9	9	0.24	0	0	3	0	0	0	70	0	0	0	0	8	0	0	0
TOTAL =	**45.0**	**219**	**219**	**5.90**	**2.7**	**2.4**	**585**	**3,584**	**382**	**24**	**2,225**	**1**	**5**	**1**	**136**	**8**	**416**	**381**	**381**

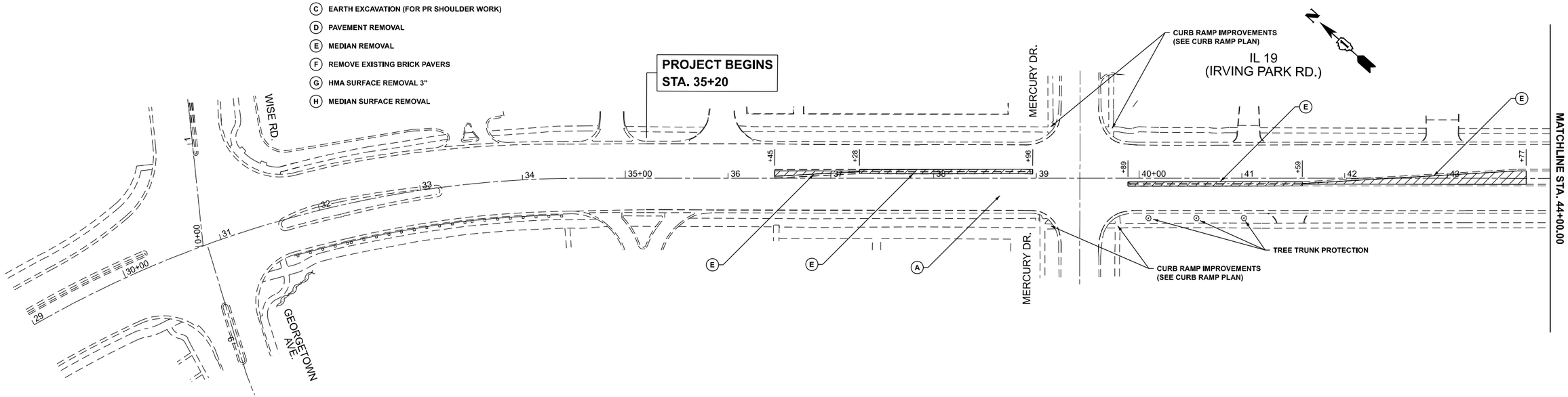
MODEL: Schedule01 [Sheet]
FILE NAME: pw://ildot.pw.bentley.com:PWIDOT/Documents/IDOT Offices/District 1/CRD Projects/D1164220/CADData/CADsheets/D1164220 alt schedule.dgn

USER NAME = Farhan.Tariq	DESIGNED -	REVISED - FT, 1/18/2025	**STATE OF ILLINOIS**	SCHEDULE OF QUANTITIES
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**	IL 19 (EAST OF WISE RD. TO ROSELLE RD.)
PLOT SCALE = 0.10000000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
PLOT DATE = 1/18/2025	DATE -	REVISED -		

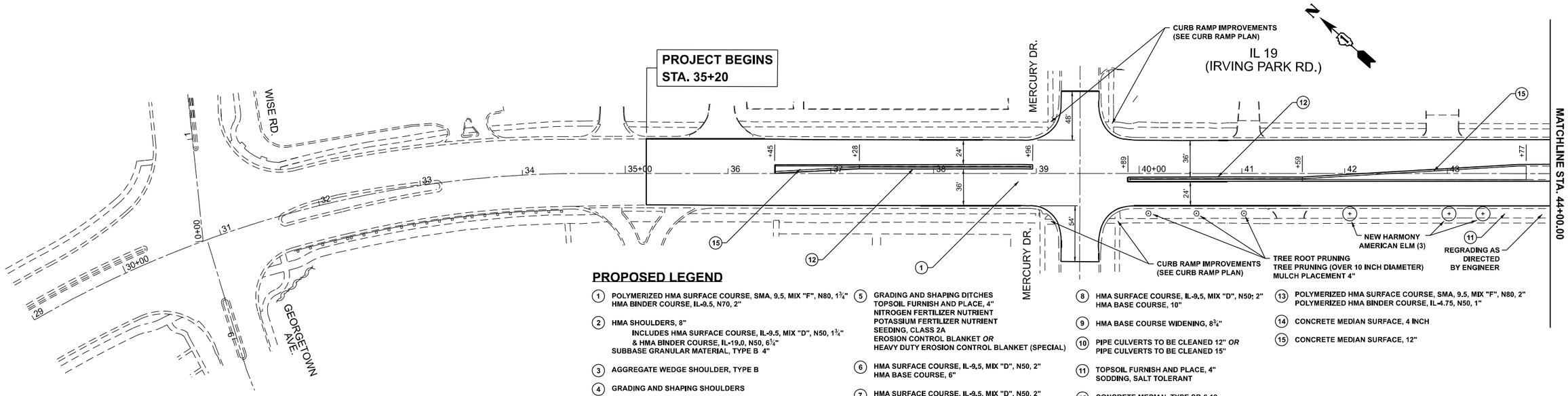
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	14
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

EXISTING LEGEND

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



EXISTING



PROPOSED LEGEND

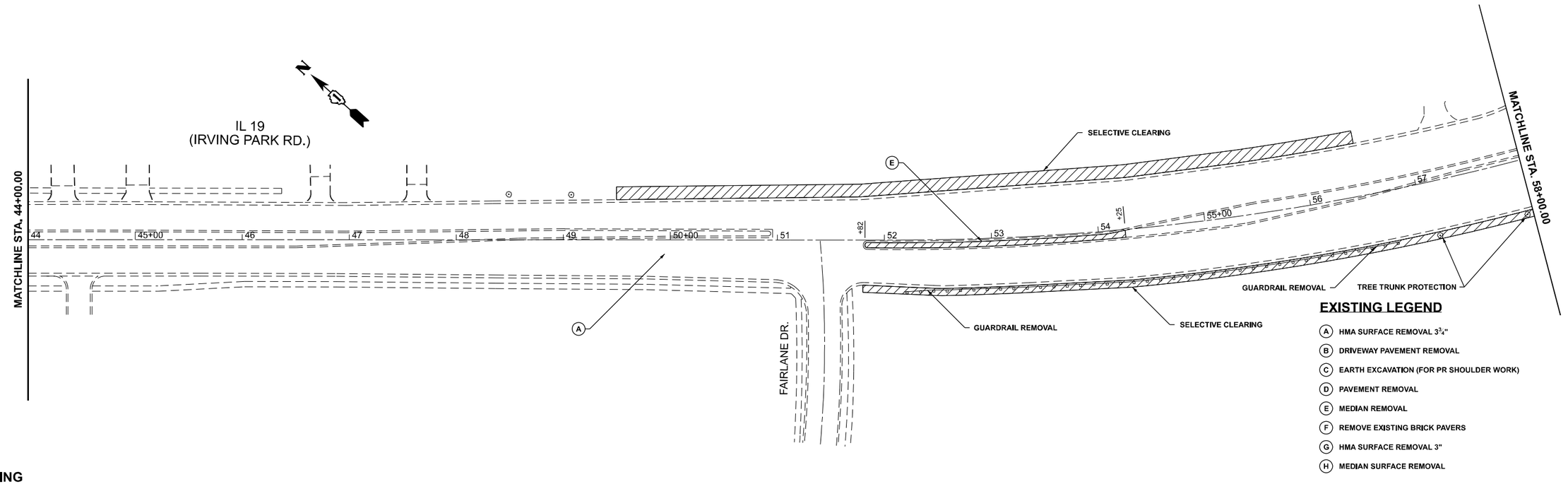
1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
   & HMA BINDER COURSE, IL-19.0, N50, 6¼"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
3. AGGREGATE WEDGE SHOULDER, TYPE B
4. GRADING AND SHAPING SHOULDERS
5. GRADING AND SHAPING DITCHES
   TOPSOIL FURNISH AND PLACE, 4"
   NITROGEN FERTILIZER NUTRIENT
   POTASSIUM FERTILIZER NUTRIENT
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"

PROPOSED

MODEL: IL19 - DblPlan01
FILE NAME: c:\pw_work\pwidottariq\mu0904401\D1116422-sht-planDouble.dgn

USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/21/2025	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	EXISTING AND PROPOSED ROADWAY PLAN IL 19 (EAST OF WISE RD. TO ROSELLE RD.)	
	DRAWN -	REVISED -			
	CHECKED -	REVISED -			
PLOT DATE = 1/21/2025	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. 29+00.00 TO STA. 44+00.00	

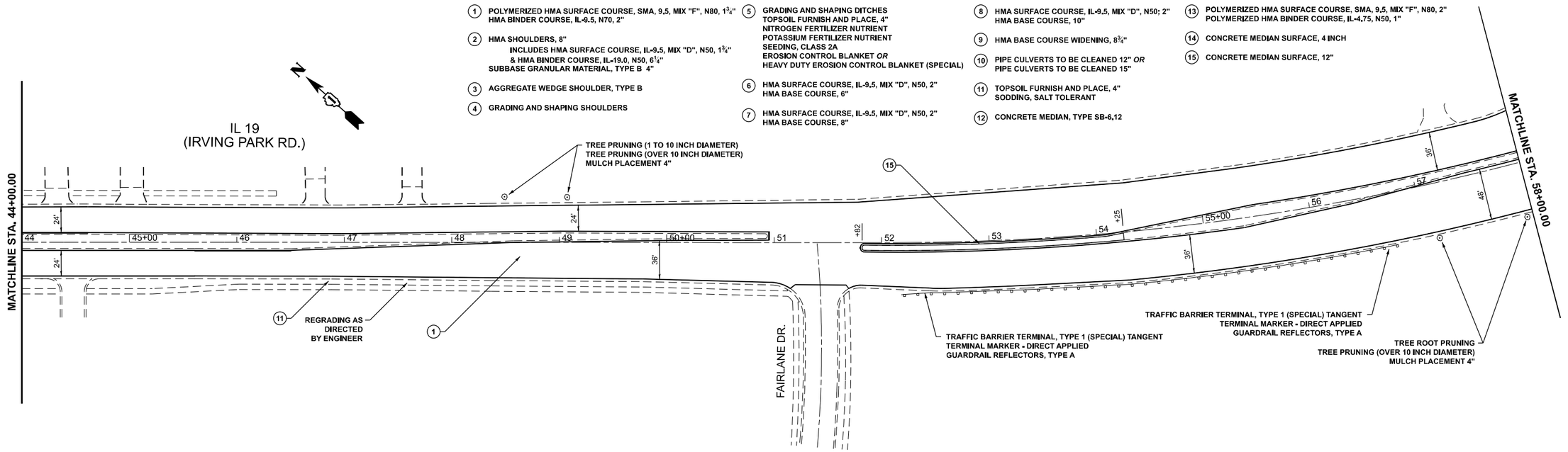
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	15
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



EXISTING

PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾" HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8" INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾" & HMA BINDER COURSE, IL-19.0, N50, 6¼" SUBBASE GRANULAR MATERIAL, TYPE B 4"
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 SEEDING, CLASS 2A EROSION CONTROL BLANKET *OR* HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2" HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR* PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2" POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"



PROPOSED

MODEL: IL19 - DblPlan02
FILE NAME: c:\pw_work\pwidottariq\md0904401\D1116422-sht-planDouble.dgn

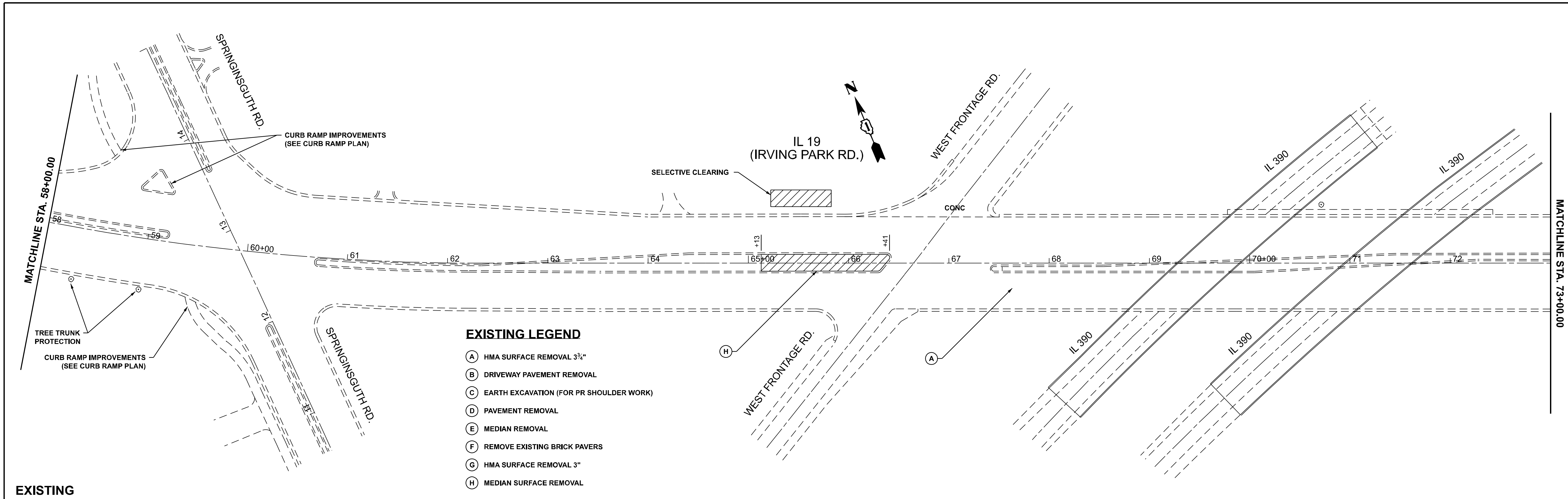
USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/21/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/21/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

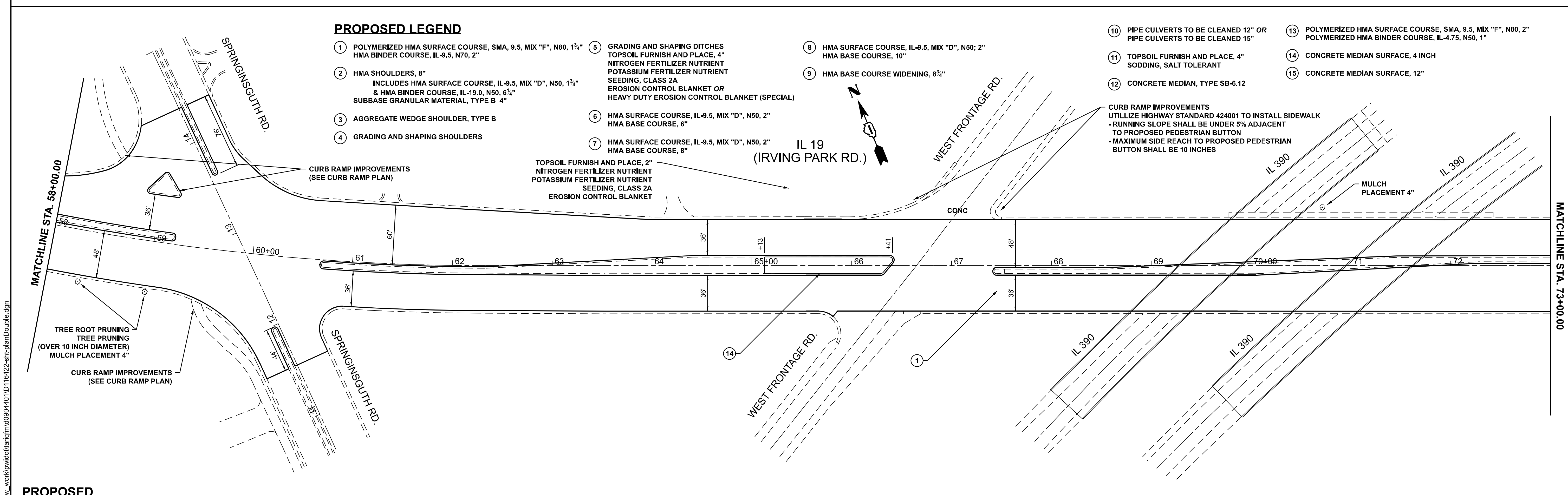
SCALE: | SHEET OF SHEETS | STA. 44+00.00 | TO STA. 58+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	16
		CONTRACT NO. 62R58		
	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) MEDIAN REMOVAL
- (F) REMOVE EXISTING BRICK PAVERS
- (G) HMA SURFACE REMOVAL 3"
- (H) MEDIAN SURFACE REMOVAL



PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
   & HMA BINDER COURSE, IL-19.0, N50, 6¼"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"

MODEL: IL19 - DblPlan03
FILE NAME: c:\pw_work\pwidot\tariq\...\sht-planDouble.dgn

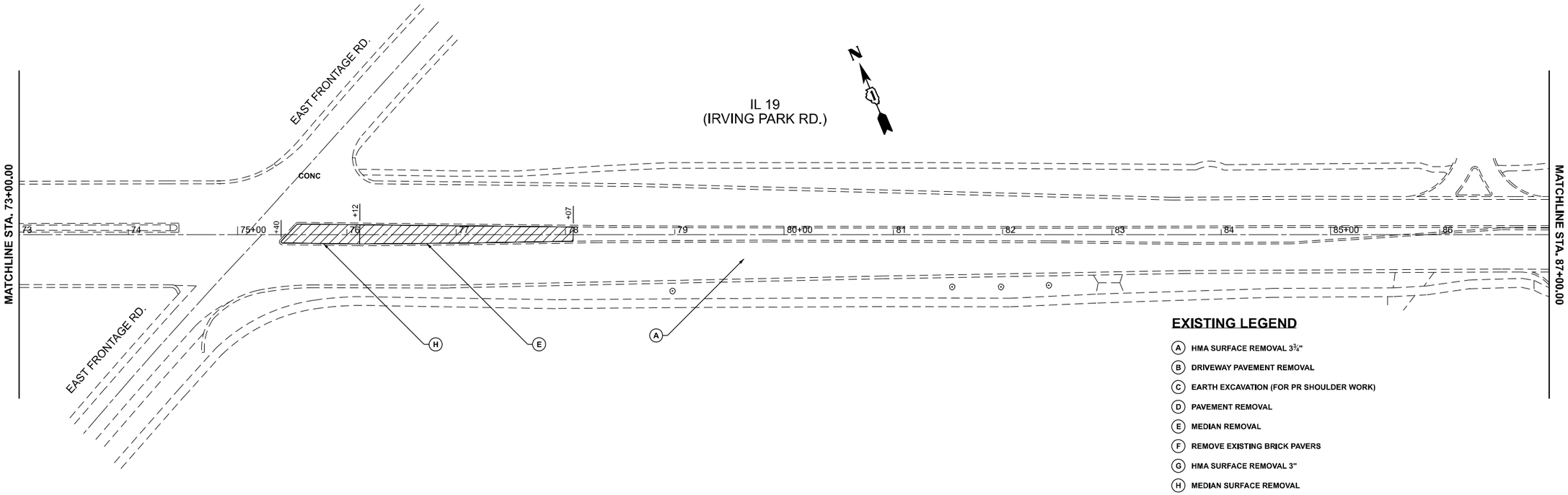
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	FT, 1/21/2025
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/21/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 58+00.00 TO STA. 73+00.00

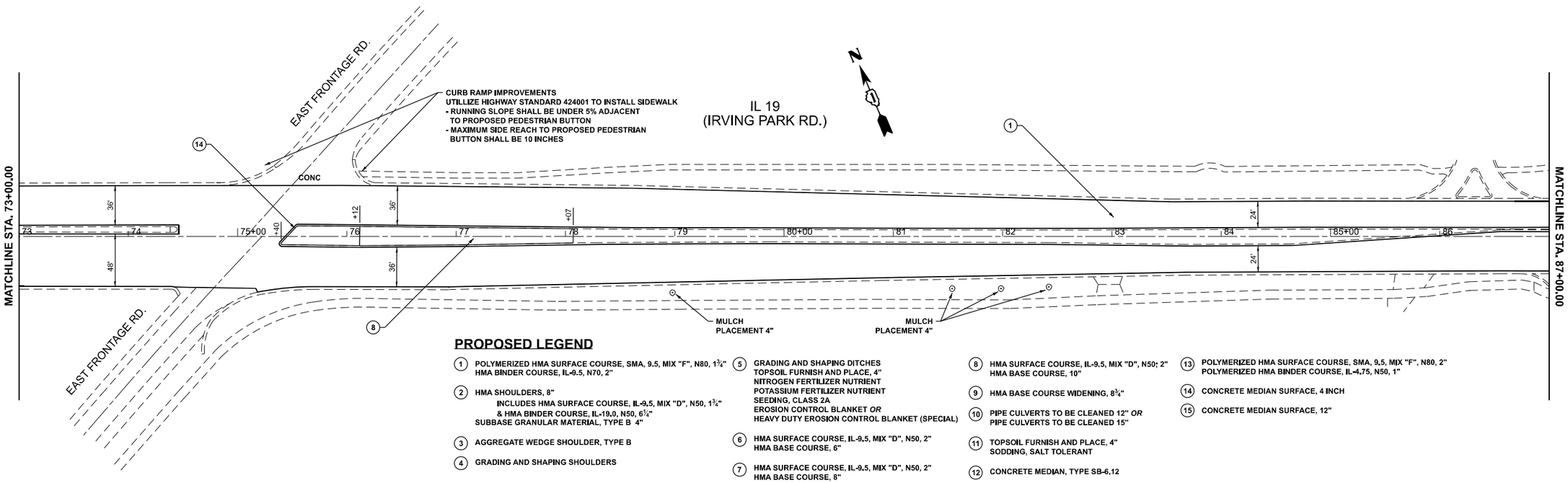
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	17
		CONTRACT NO. 62R58		
		ILLINOIS	FED. AID PROJECT	



EXISTING

EXISTING LEGEND

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



PROPOSED

PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
   & HMA BINDER COURSE, IL-19.0, N50, 6¼"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"

USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/21/2025	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/21/2025	DATE -	REVISED -	

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

SCALE: | SHEET OF SHEETS | STA. 73+00.00 | TO STA. 87+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	18
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

MODEL: IL19 - DblPlan04
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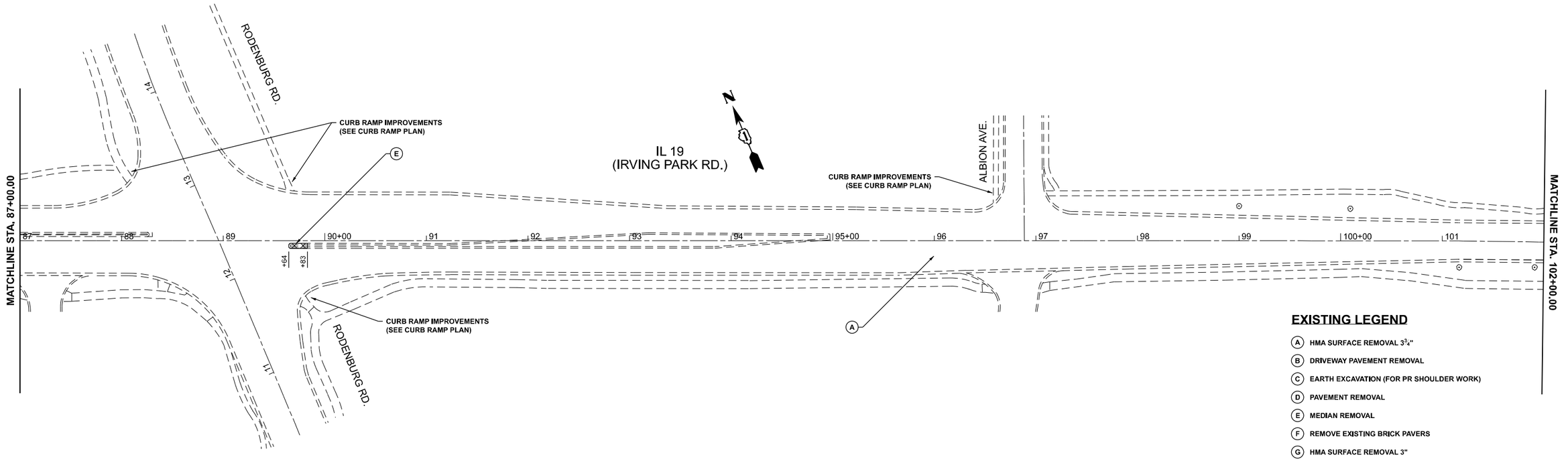
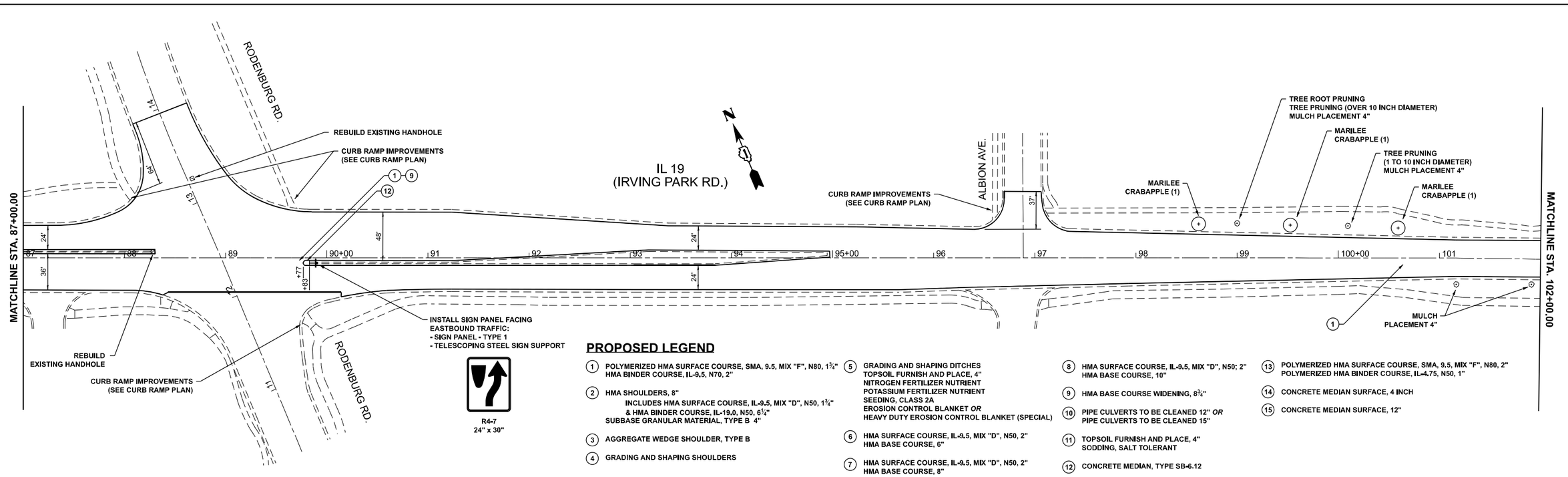


EXISTING

EXISTING LEGEND

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



PROPOSED

PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
   & HMA BINDER COURSE, IL-19.0, N50, 6¼"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"

MODEL: IL19 - DblPlan05
FILE NAME: c:\pw_work\pwidottariq\md0904401\D1116422-sht-planDouble.dgn

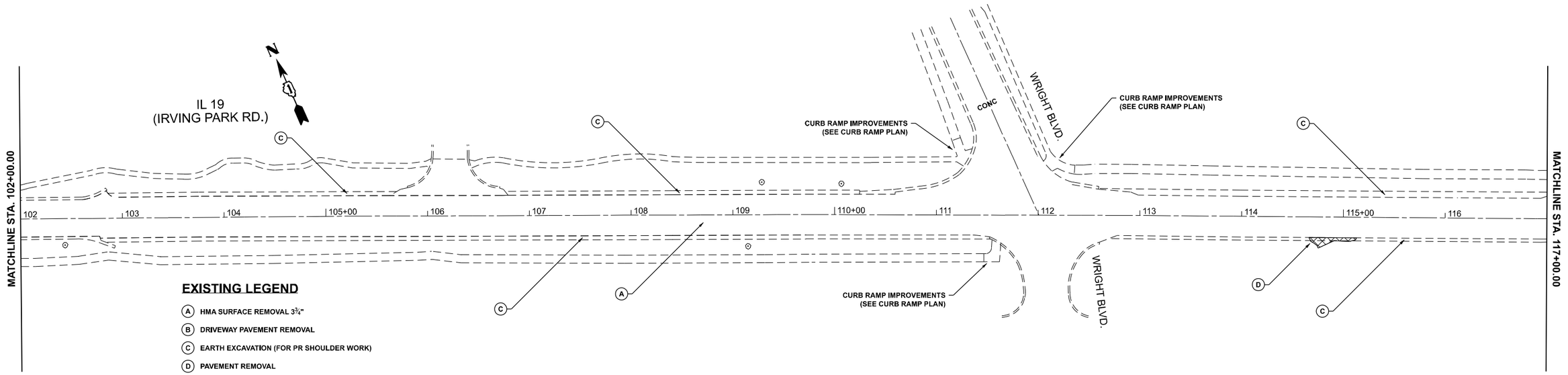
USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/23/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/22/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 87+00.00 | TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	19
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



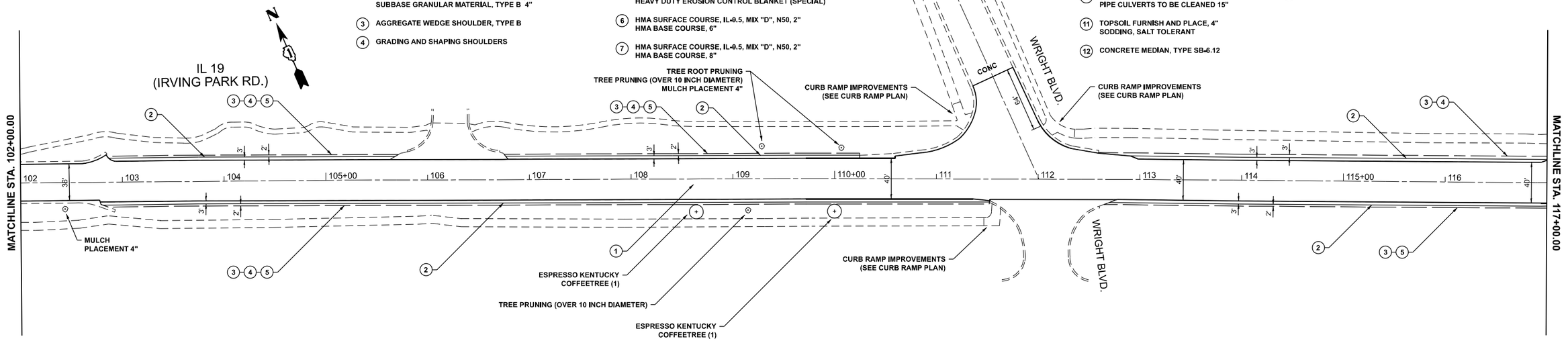
EXISTING LEGEND

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

EXISTING

PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
   & HMA BINDER COURSE, IL-19.0, N50, 6¼"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"



PROPOSED

MODEL: IL19 - DistPlan06
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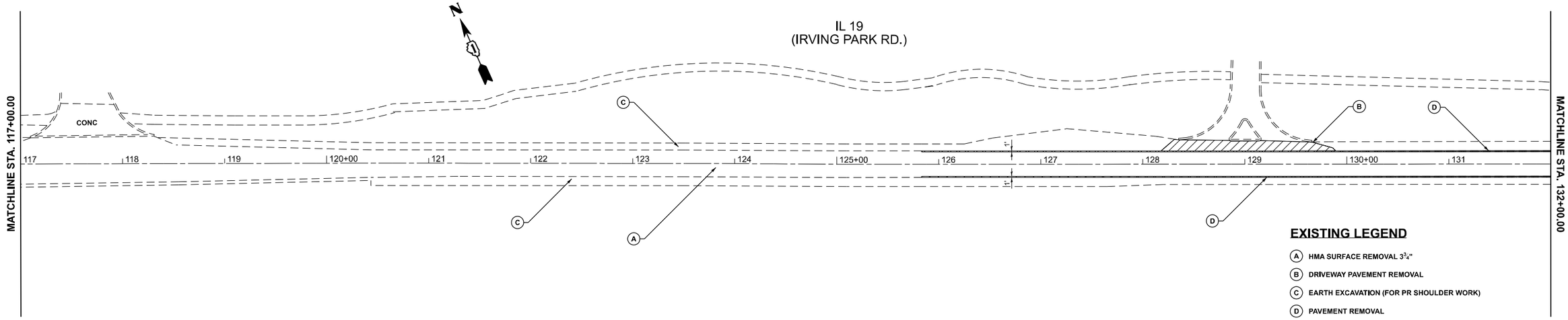
USER NAME = Farhan.Tariq	DESIGNED -	REVISED - FT, 1/21/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/21/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 102+00.00 | TO STA. 117+00.00

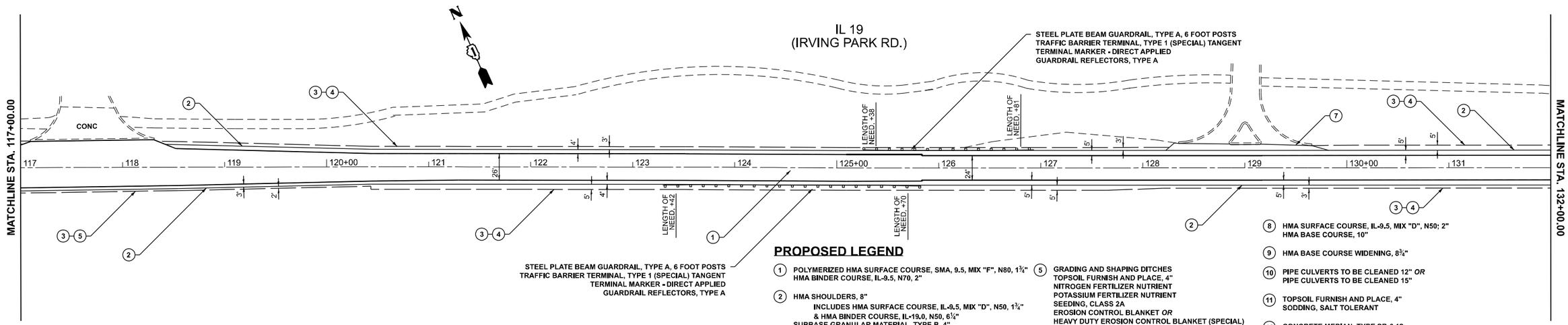
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	20
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



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) MEDIAN REMOVAL
- (F) REMOVE EXISTING BRICK PAVERS
- (G) HMA SURFACE REMOVAL 3"
- (H) MEDIAN SURFACE REMOVAL

EXISTING



PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, $1\frac{3}{4}$"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, $1\frac{3}{4}$"
   & HMA BINDER COURSE, IL-19.0, N50, $6\frac{1}{4}$"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, $8\frac{3}{4}$"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"

PROPOSED

MODEL: IL19 - DblPlan07
FILE NAME: c:\pw_work\pwidot\tariq\md0904401\D1116422-sht-planDouble.dgn

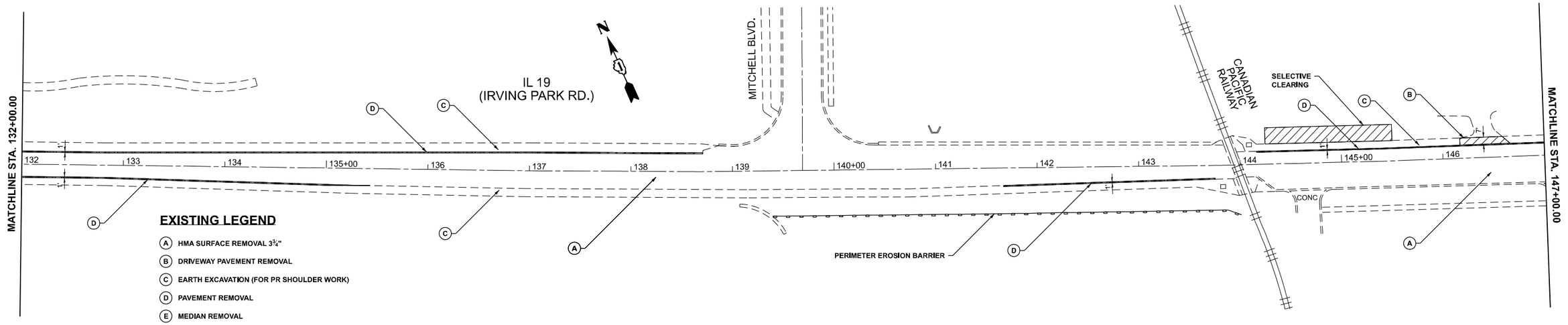
USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/27/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/26/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 117+00.00 | TO STA. 132+00.00

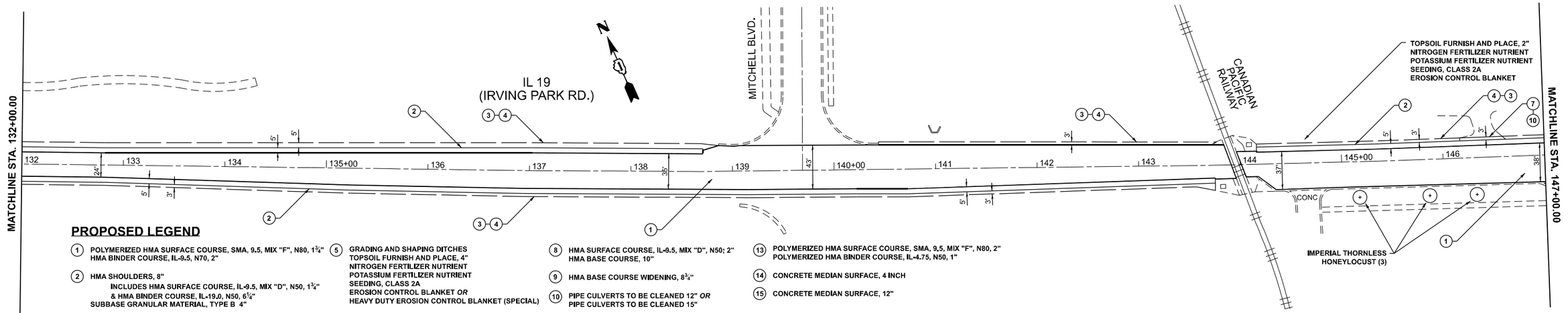
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	21
		CONTRACT NO. 62R58		
		ILLINOIS	FED. AID PROJECT	



EXISTING LEGEND

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

EXISTING



PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
   & HMA BINDER COURSE, IL-19.0, N50, 6¼"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"

PROPOSED

MODEL: IL19 - DblPlan08
FILE NAME: c:\pw_work\pwidottariqfmd0904d1\D1116422-sht-planDouble.dgn

USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/21/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/21/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 132+00.00 | TO STA. 147+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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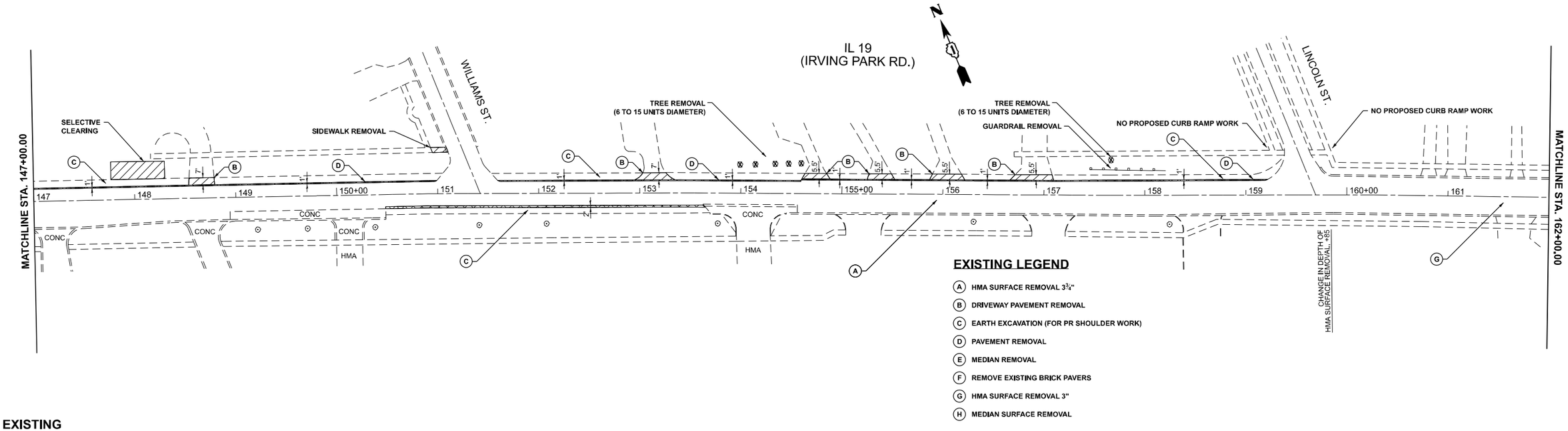
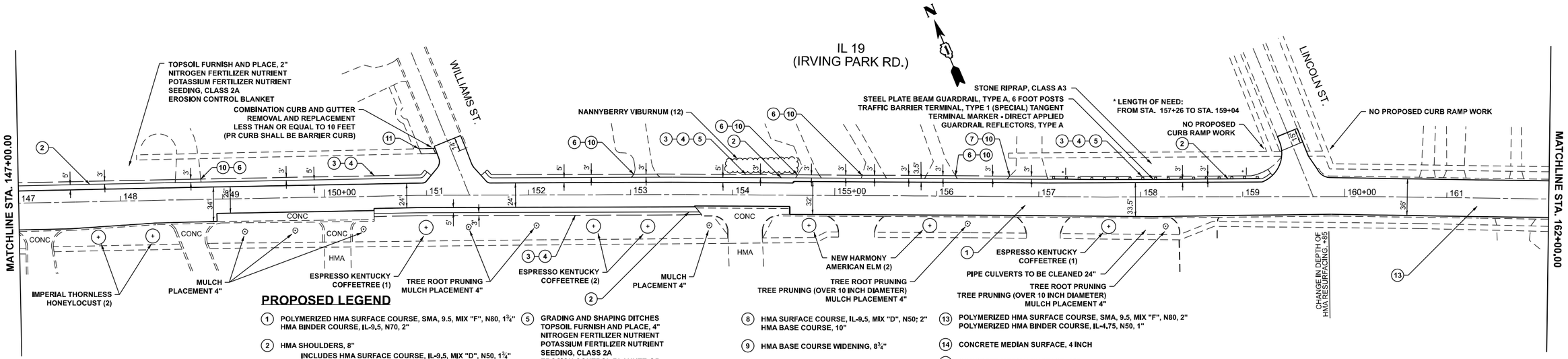
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



EXISTING



PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
   HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾"
   & HMA BINDER COURSE, IL-19.0, N50, 6¼"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"

PROPOSED

MODEL: IL19 - DblPlan09
FILE NAME: c:\pw_work\pwidottariq\md0904401D1116422-sht-planDouble.dgn

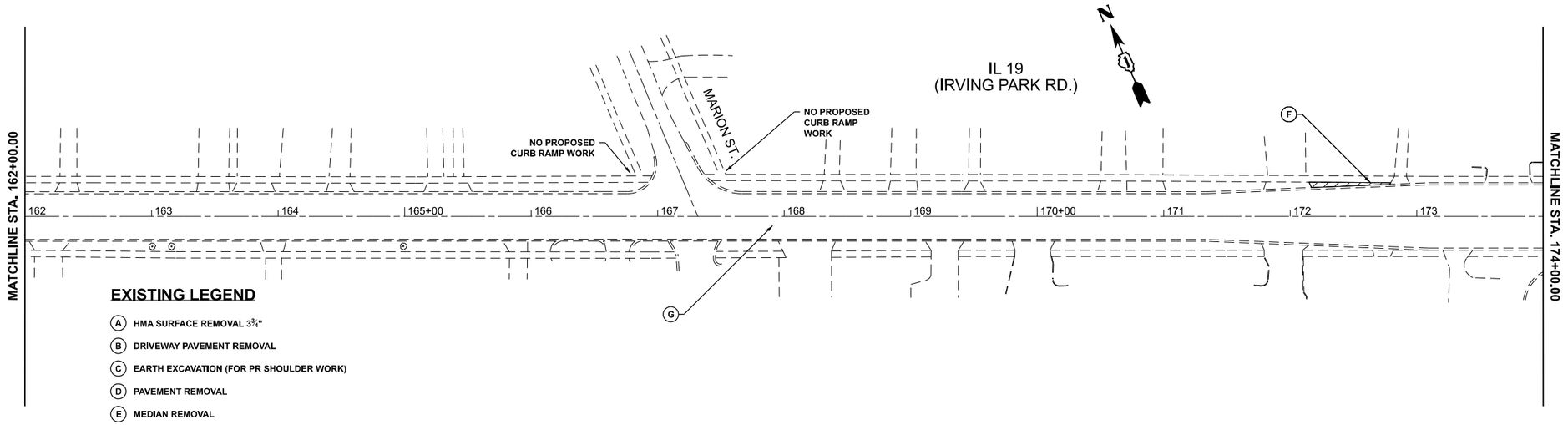
USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/27/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/27/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 147+00.00 | TO STA. 162+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	23
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



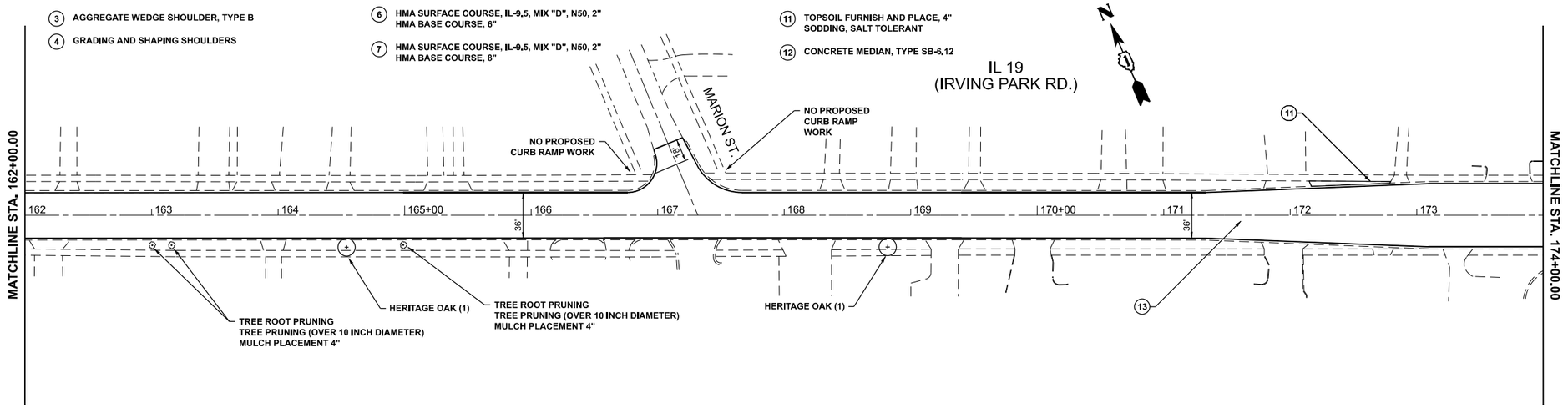
EXISTING LEGEND

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

EXISTING

PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾" HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8" INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾" & HMA BINDER COURSE, IL-19,0, N50, 6¼" SUBBASE GRANULAR MATERIAL, TYPE B 4"
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 SEEDING, CLASS 2A EROSION CONTROL BLANKET *OR* HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2" HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR* PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2" POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"



PROPOSED

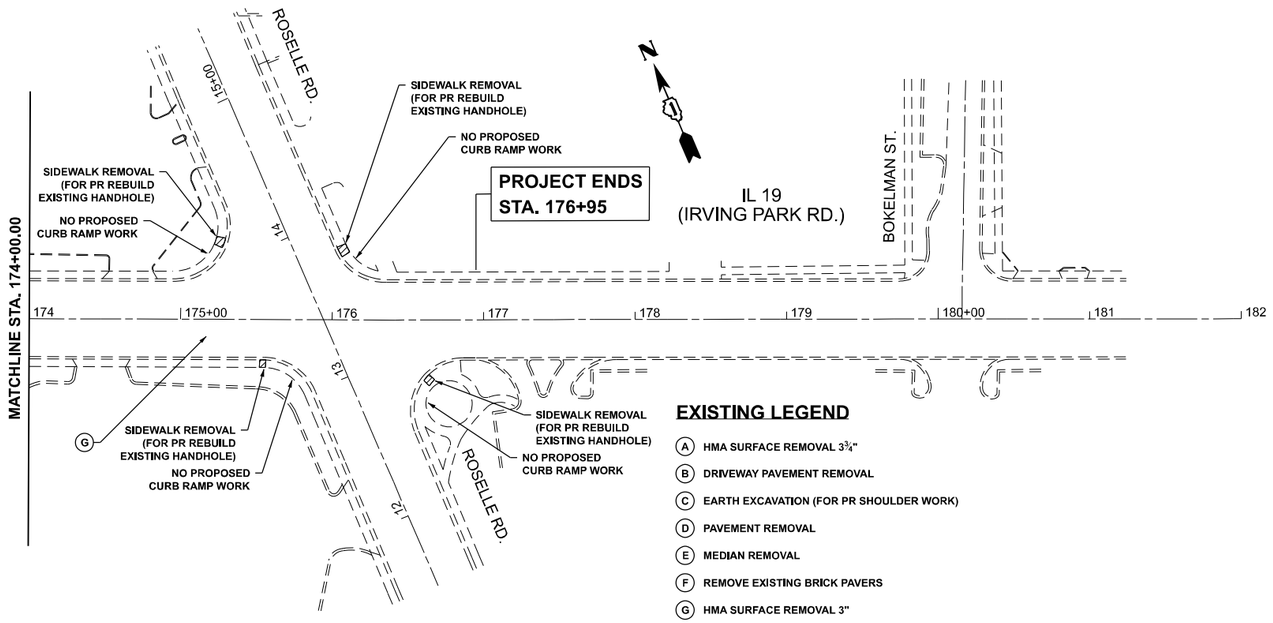
USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/21/2025	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/21/2025	DATE -	REVISED -	

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

SCALE: | SHEET OF SHEETS | STA. 162+00.00 | TO STA. 174+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	24
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

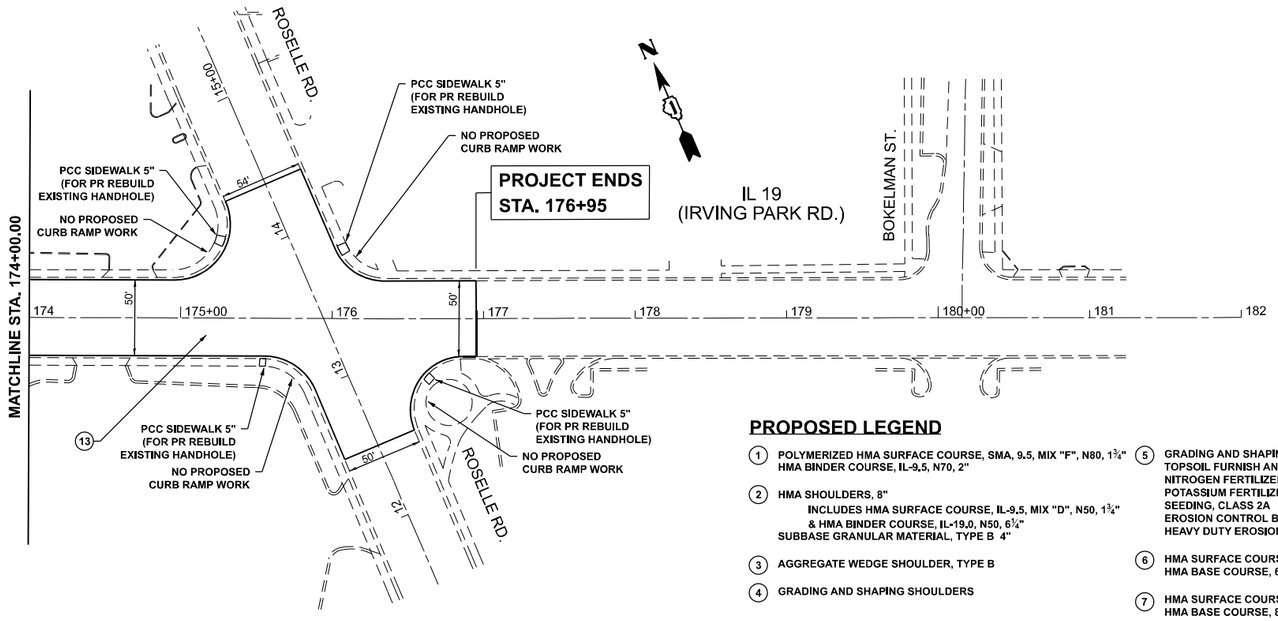
MODEL: IL19 - DblPlan10
FILE NAME: c:\pw_work\pwidottariq\d0904401\D1116422-sht-planDouble.dgn



EXISTING LEGEND

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

EXISTING



PROPOSED LEGEND

1. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾" HMA BINDER COURSE, IL-9.5, N70, 2"
2. HMA SHOULDERS, 8"
   INCLUDES HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1¾" & HMA BINDER COURSE, IL-19.0, N50, 6¼"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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
   SEEDING, CLASS 2A
   EROSION CONTROL BLANKET *OR*
   HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
6. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 6"
7. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HMA BASE COURSE, 8"
8. HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"
   HMA BASE COURSE, 10"
9. HMA BASE COURSE WIDENING, 8¾"
10. PIPE CULVERTS TO BE CLEANED 12" *OR*
    PIPE CULVERTS TO BE CLEANED 15"
11. TOPSOIL FURNISH AND PLACE, 4"
    SODDING, SALT TOLERANT
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
    POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
14. CONCRETE MEDIAN SURFACE, 4 INCH
15. CONCRETE MEDIAN SURFACE, 12"

PROPOSED

MODEL: IL19 - DblPlan11
FILE NAME: c:\pw_work\pwidottariq\d0904401\D1116422-sht-planDouble.dgn

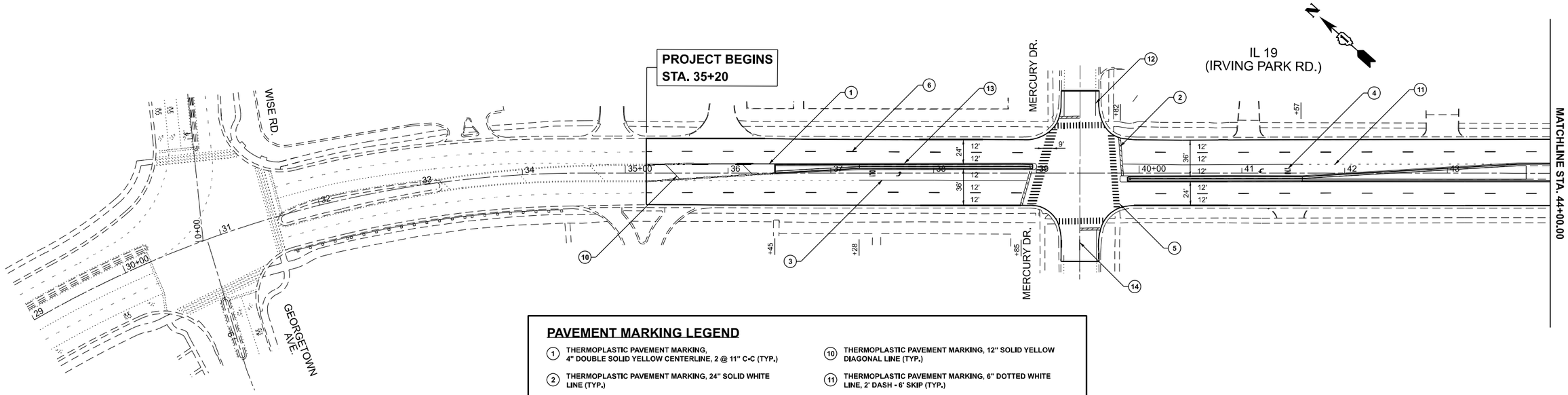
USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/21/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/21/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

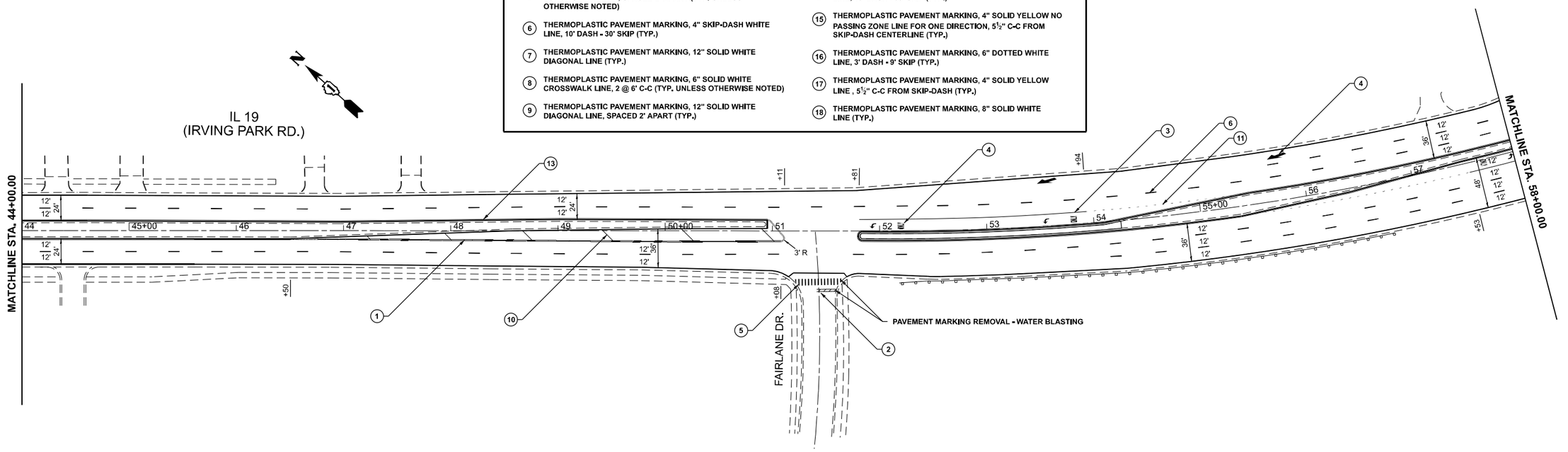
SCALE: | SHEET OF SHEETS | STA. 174+00.00 | TO STA. 182+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	25
		CONTRACT NO. 62R58		
	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 LINE (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP, UNLESS OTHERWISE NOTED)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)
9. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
11. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW EDGE LINE (TYP.)
14. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
15. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW NO PASSING ZONE LINE FOR ONE DIRECTION, 5½" C-C FROM SKIP-DASH CENTERLINE (TYP.)
16. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 3' DASH - 9' SKIP (TYP.)
17. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE , 5½" C-C FROM SKIP-DASH (TYP.)
18. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE LINE (TYP.)



MODEL: IL19 - PMKPlan01
FILE NAME: c:\pw_work\pwdot\tariqfm\d0904401\D116422-sht-pmk.dgn

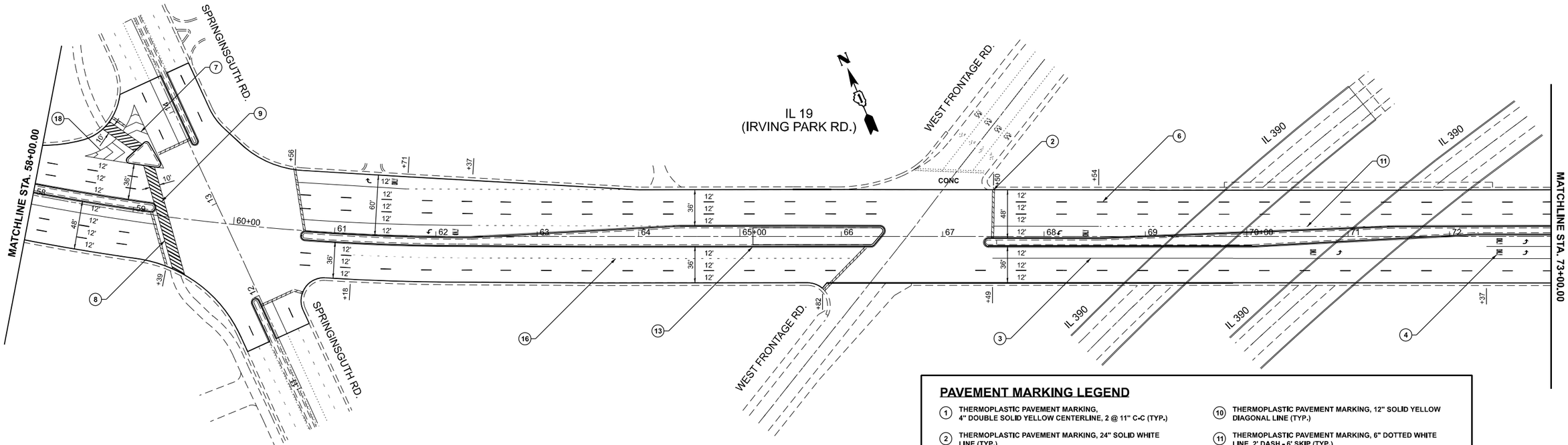
USER NAME = Farhan.Tariq	DESIGNED -	REVISED - FT, 1/23/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/23/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

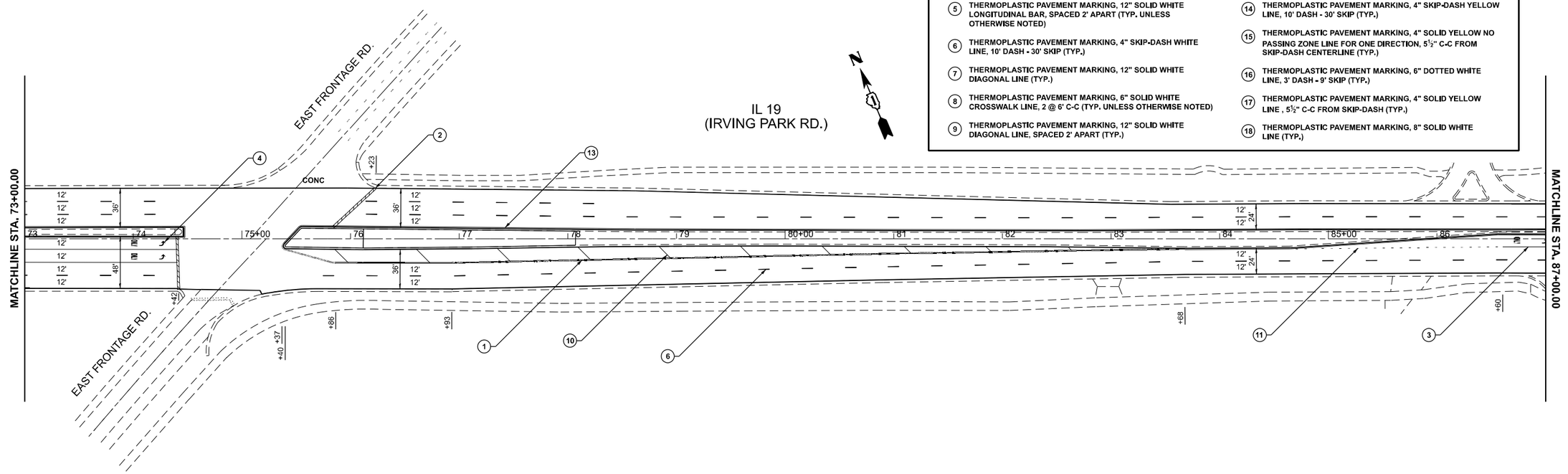
SCALE: | SHEET OF SHEETS | STA. 29+00.00 | TO STA. 58+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	26
		CONTRACT NO. 62R58		
	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 LINE (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP. UNLESS OTHERWISE NOTED)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)
9. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
11. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW EDGE LINE (TYP.)
14. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
15. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW NO PASSING ZONE LINE FOR ONE DIRECTION, 5½" C-C FROM SKIP-DASH CENTERLINE (TYP.)
16. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 3' DASH - 9' SKIP (TYP.)
17. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE , 5½" C-C FROM SKIP-DASH (TYP.)
18. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE LINE (TYP.)



MODEL: IL19 - PMKPlan02
FILE NAME: c:\pw_work\pwidottariq\md0904401\D1116422-sht-pmk.dgn

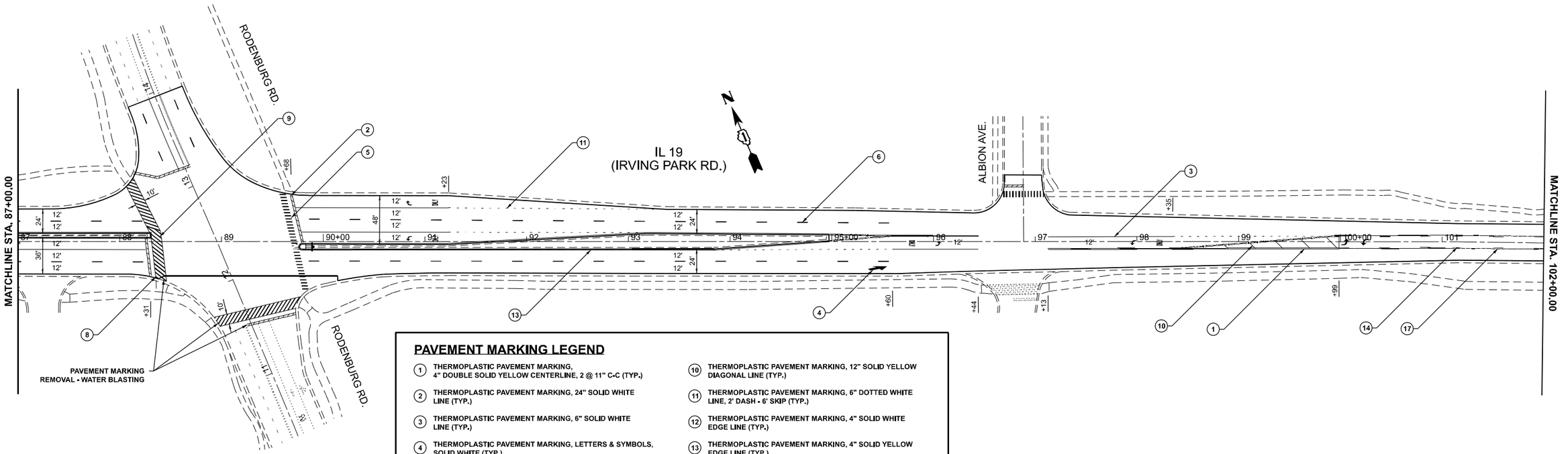
USER NAME = Farhan,Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/12/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

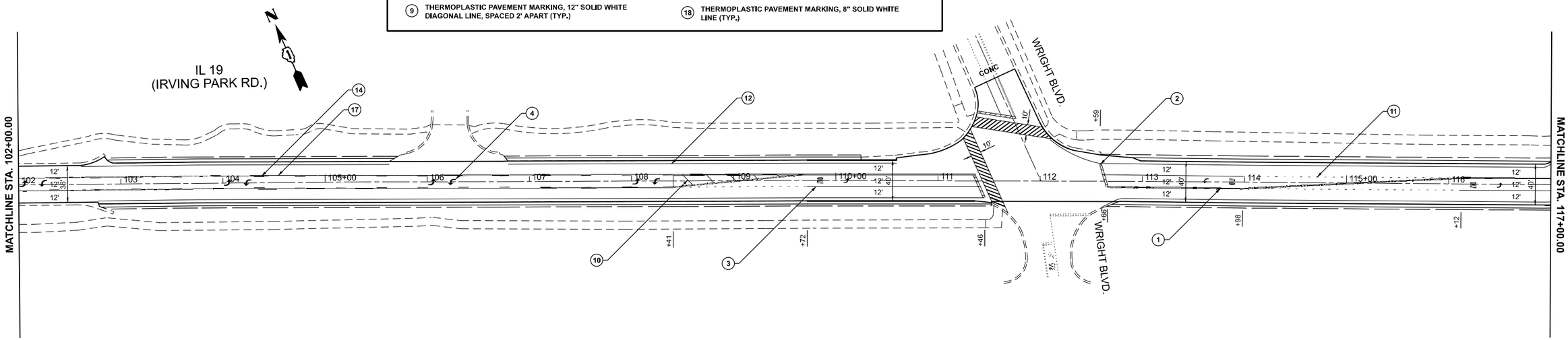
SCALE: | SHEET OF SHEETS | STA. 58+00.00 | TO STA. 87+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	27
		CONTRACT NO. 62R58		
	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 LINE (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP. UNLESS OTHERWISE NOTED)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)
9. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
11. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW EDGE LINE (TYP.)
14. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
15. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW NO PASSING ZONE LINE FOR ONE DIRECTION, 5½" C-C FROM SKIP-DASH CENTERLINE (TYP.)
16. THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 3' DASH - 9' SKIP (TYP.)
17. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE , 5½" C-C FROM SKIP-DASH (TYP.)
18. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE LINE (TYP.)



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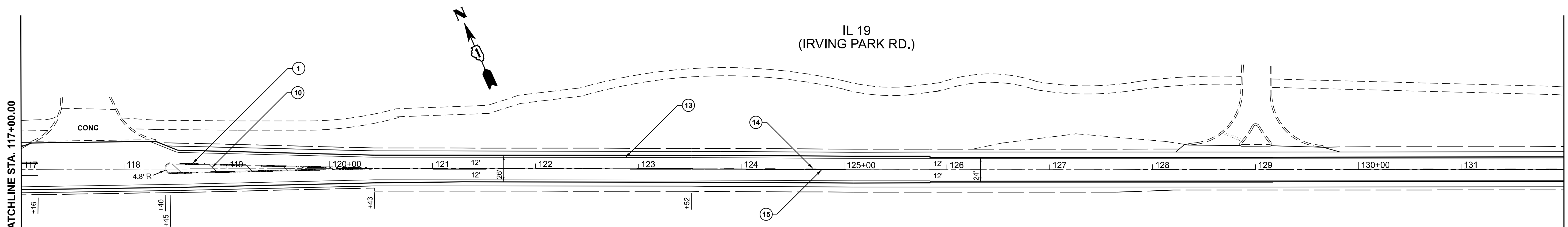
USER NAME = Farhan,Tariq	DESIGNED -	REVISED - FT, 1/23/2025	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/23/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 87+00.00 | TO STA. 117+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	28
		CONTRACT NO. 62R58		
	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 LINE (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
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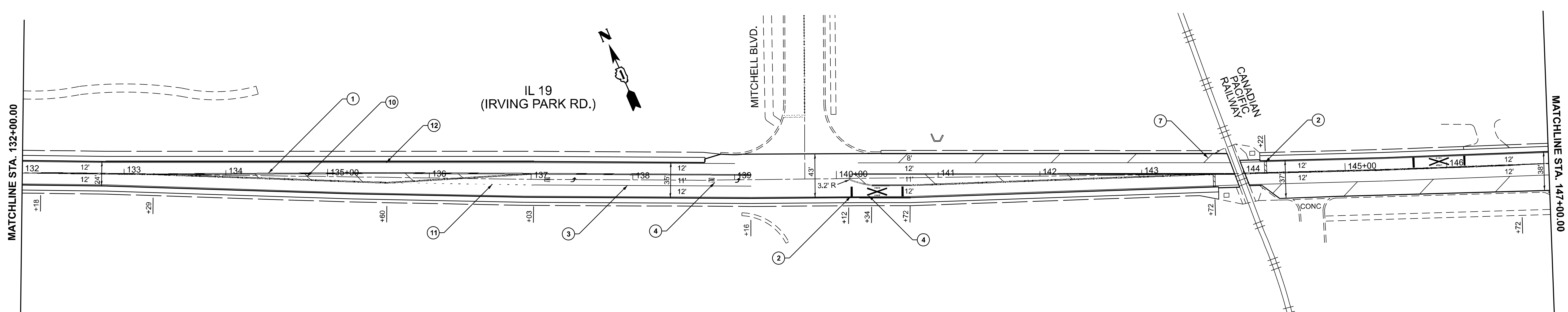
18. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE LINE (TYP.)



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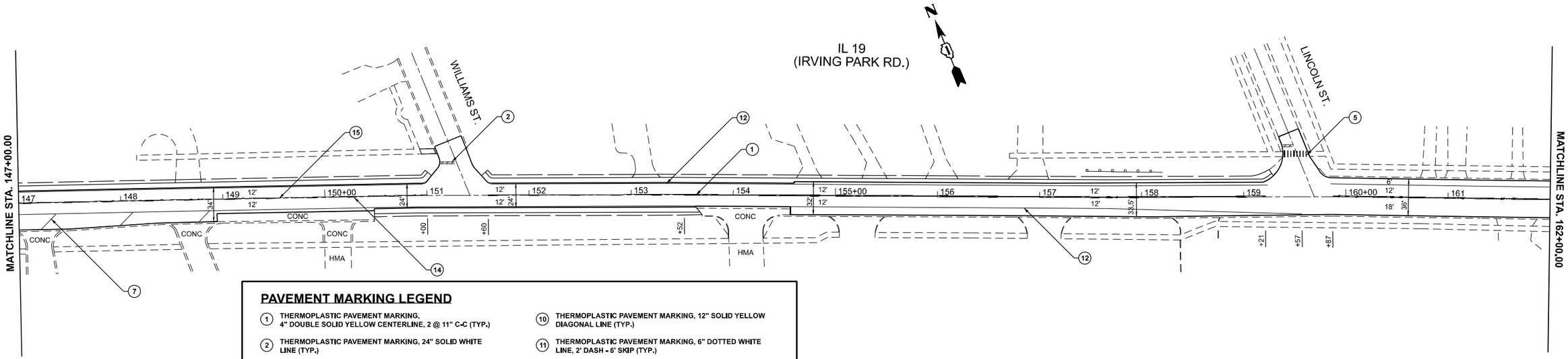
USER NAME = Farhan,Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/12/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 117+00.00 TO STA. 147+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	29
CONTRACT NO. 62R58				
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 LINE (TYP.)
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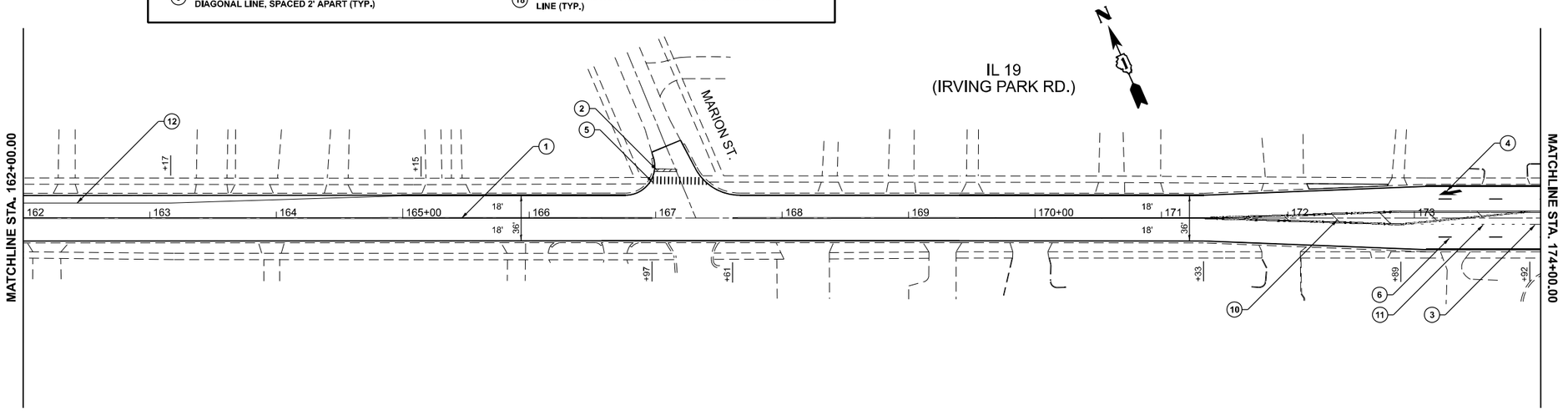

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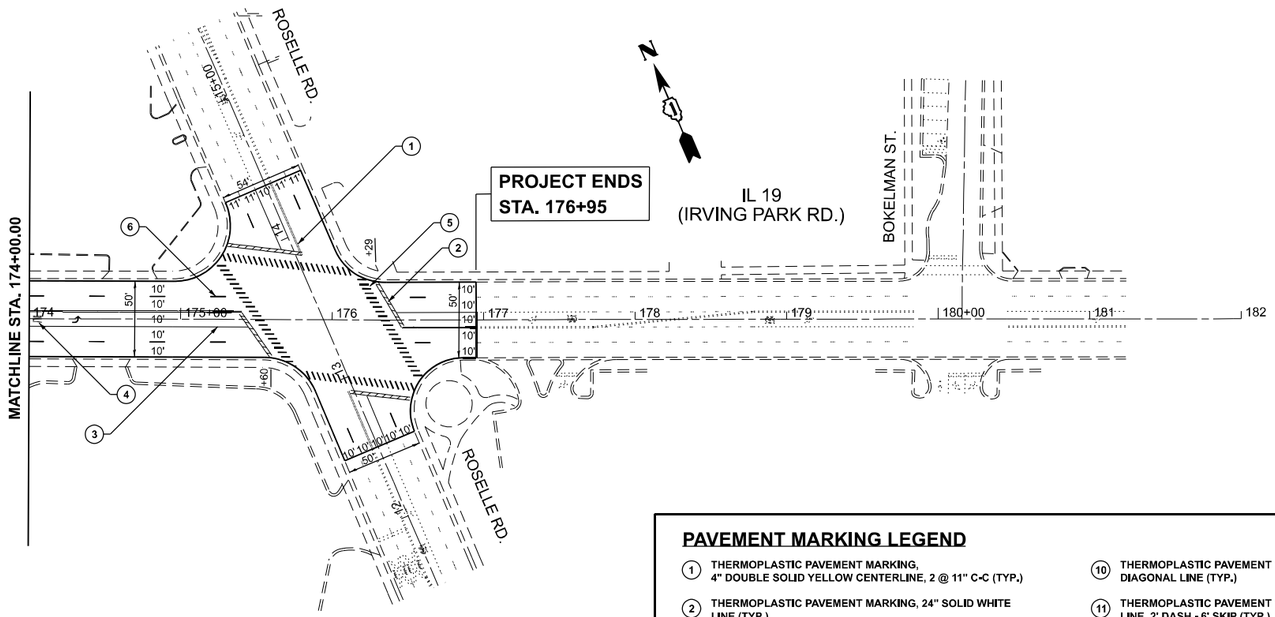
USER NAME = Farhan,Tariq	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/12/2024	DATE -	REVISED -	

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

SCALE: | SHEET OF SHEETS | STA. 147+00.00 | TO STA. 174+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	30
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
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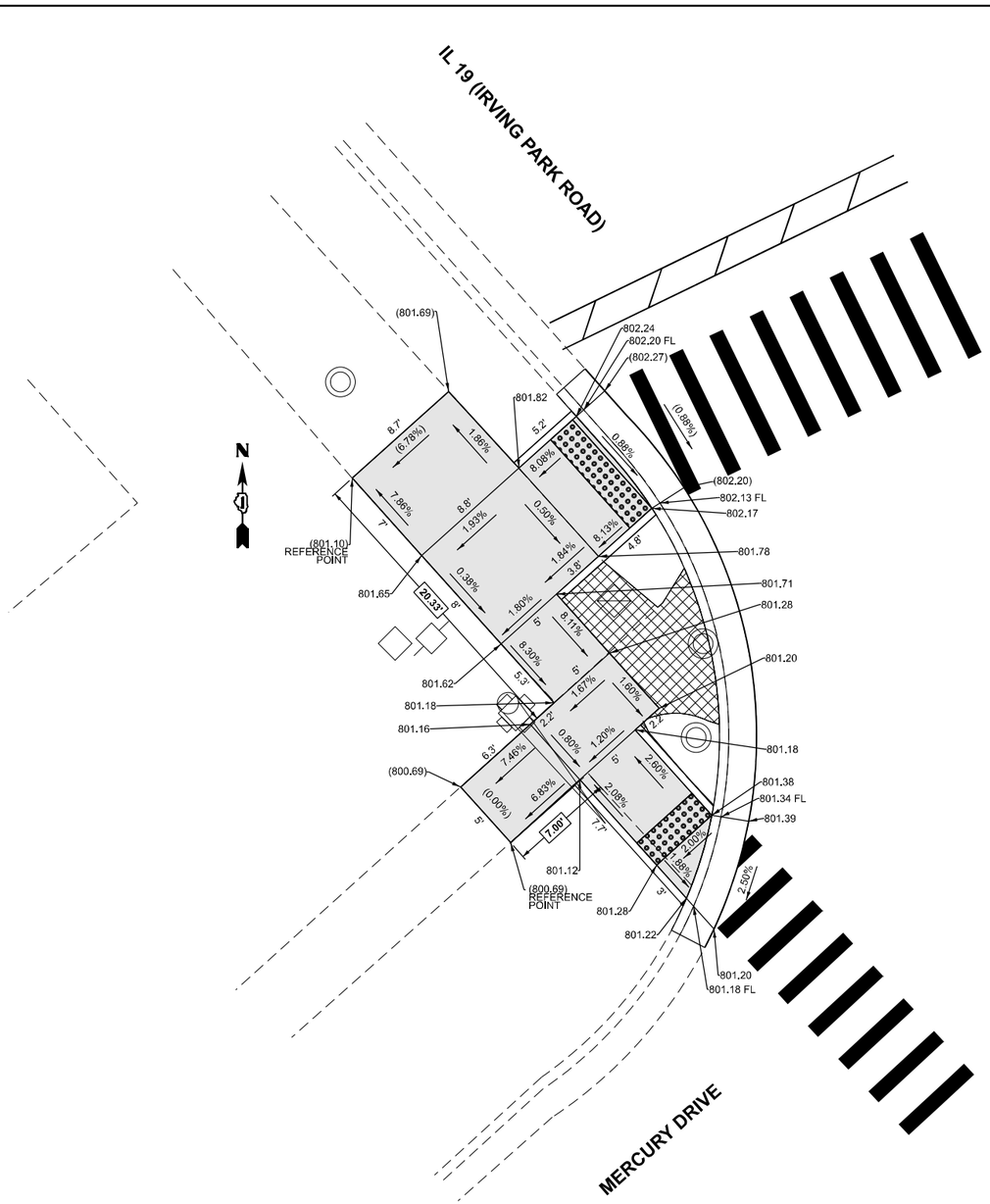
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	FT, 1/23/2025
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/23/2025	DATE -	REVISED -	

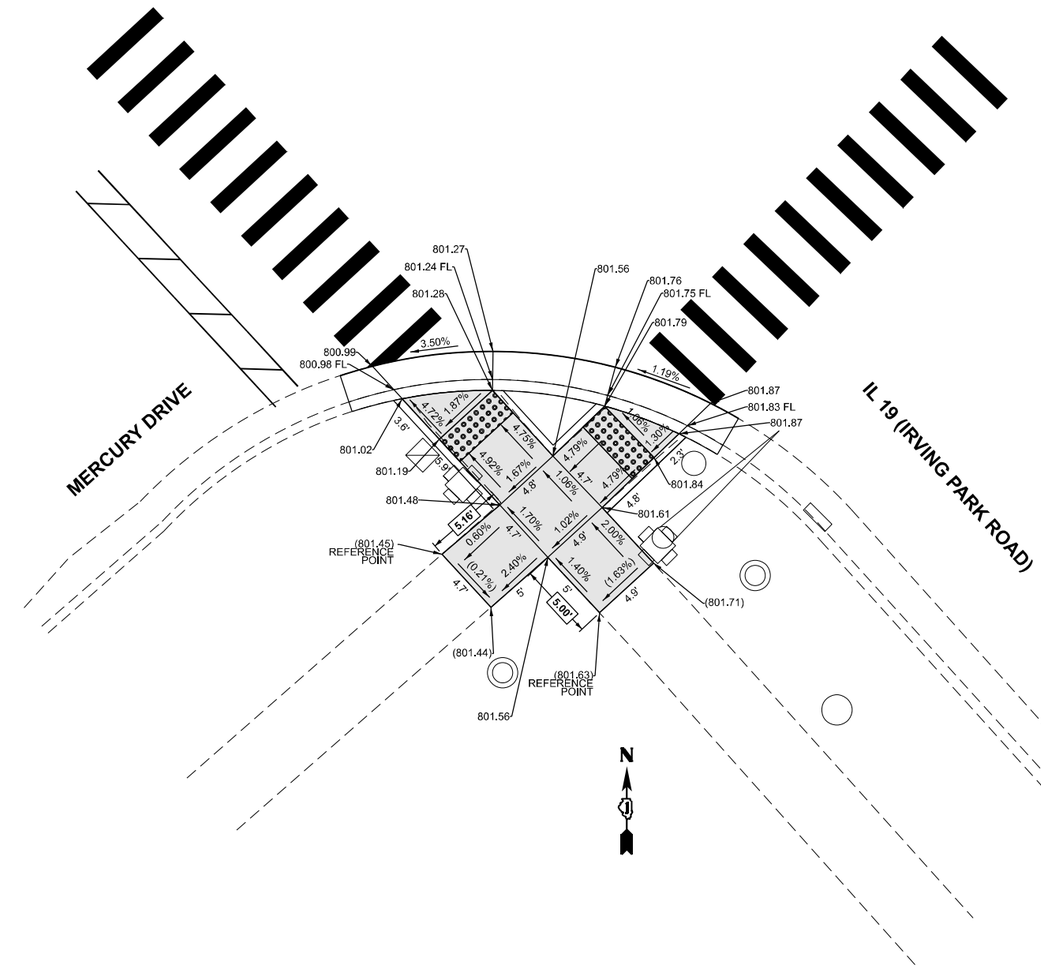
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. 174+00.00 | TO STA. 182+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	31
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			





BENCHMARK FOR IL 19 AT MERCURY DRIVE:

REFERENCE BENCHMARK ELEVATION = 803.56

BENCHMARK = ON HANDHOLE ALONG IL 19, SOUTH SIDE

LOCATION = APPROX. 855' NORTHWEST OF IL 19 AND MERCURY DRIVE

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 -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT MERCURY DR.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	32
		CONTRACT NO. 62R58		
		ILLINOIS	FED. AID PROJECT	

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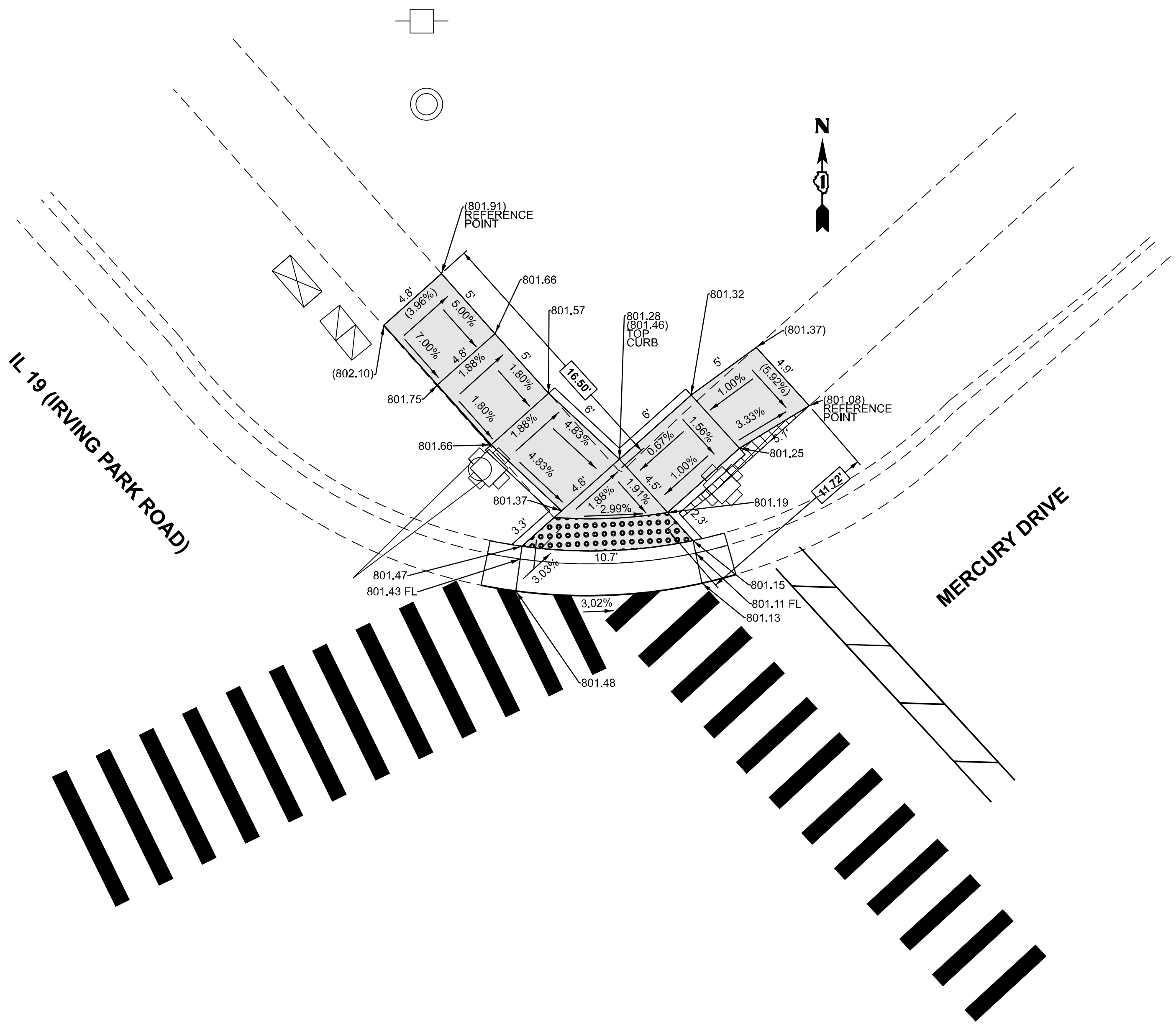

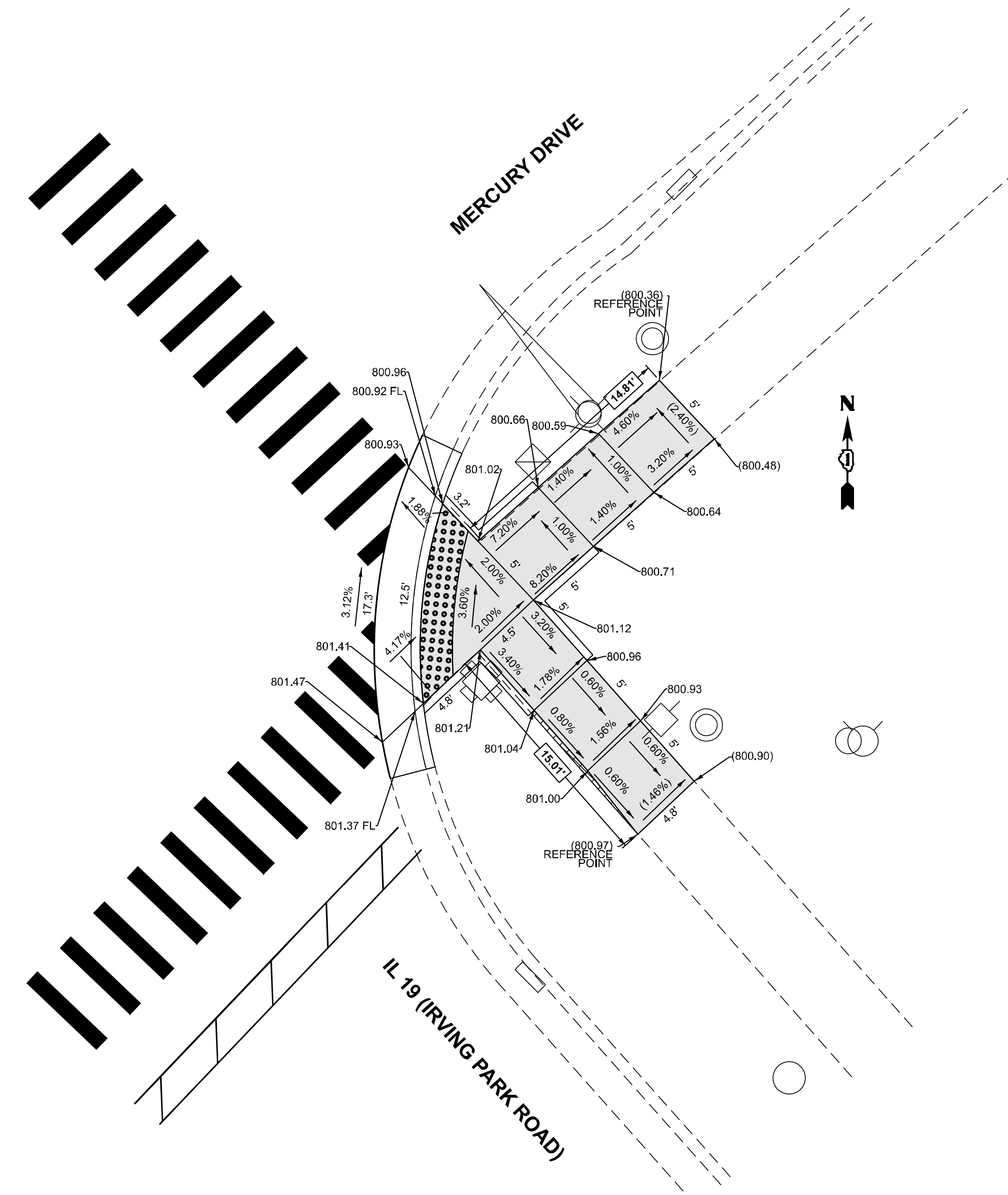

LEGEND

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

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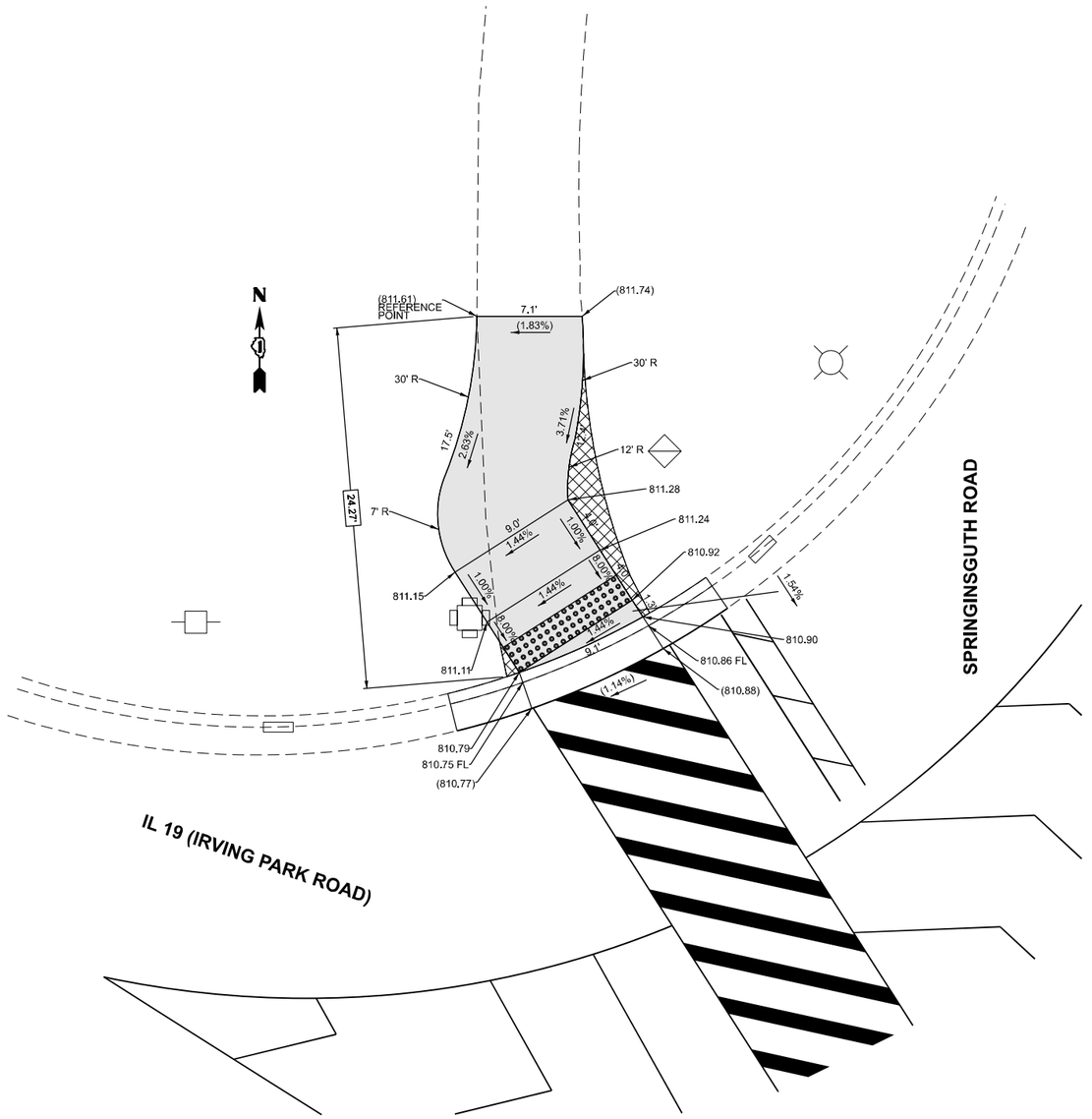
USER NAME = Farhan,Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/12/2024	DATE -	REVISED -	

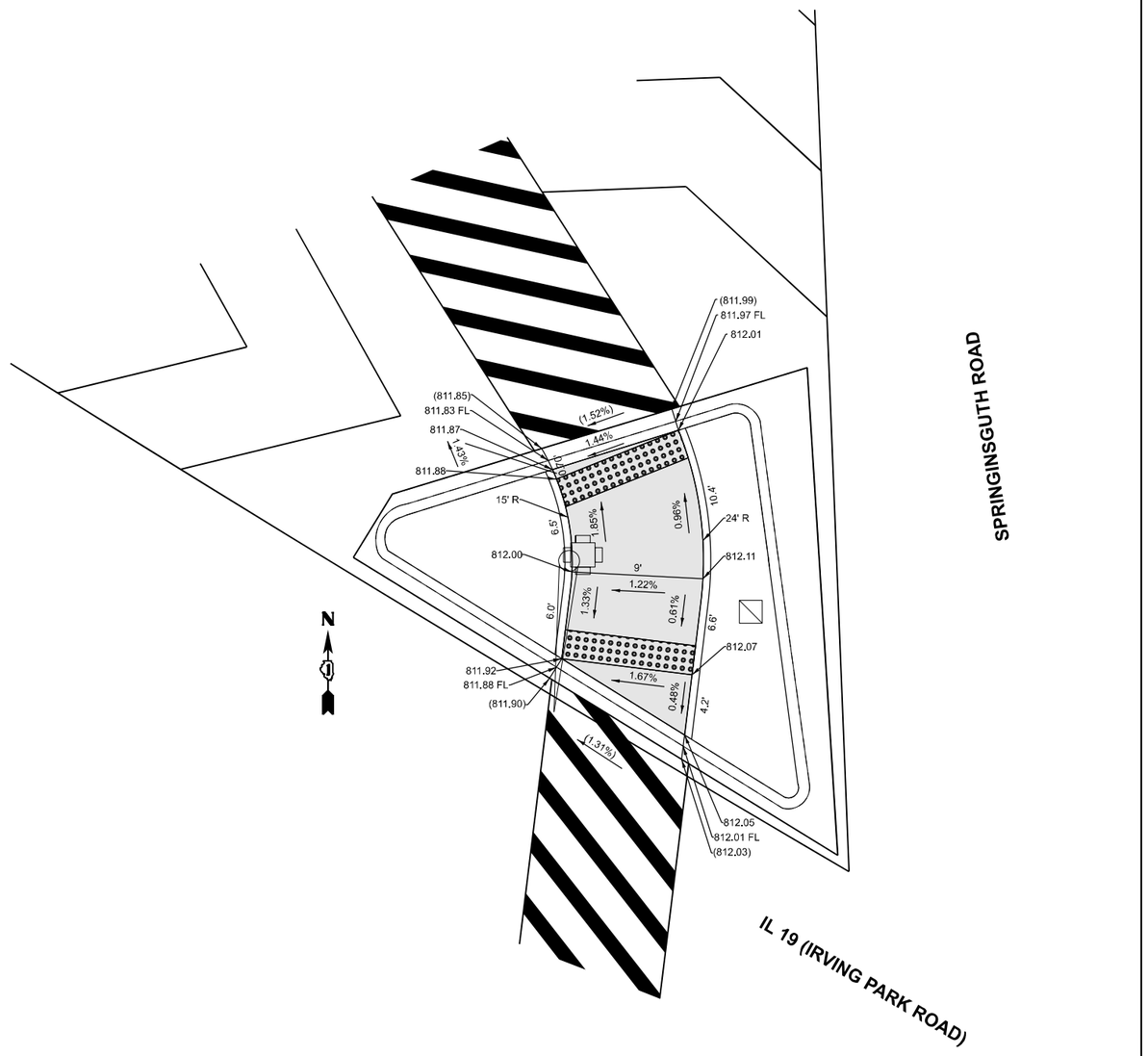
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT MERCURY DR.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	33
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		





BENCHMARK FOR IL 19 AT SPRINGINSGUTH ROAD:

REFERENCE BENCHMARK ELEVATION = 814.87

BENCHMARK = ON LIGHT POLE ALONG IL 19, SOUTH SIDE

LOCATION = AT SOUTHWEST CORNER OF IL 19 AND SPRINGINSGUTH ROAD

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 -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT SPRINGINSGUTH RD.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	34
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

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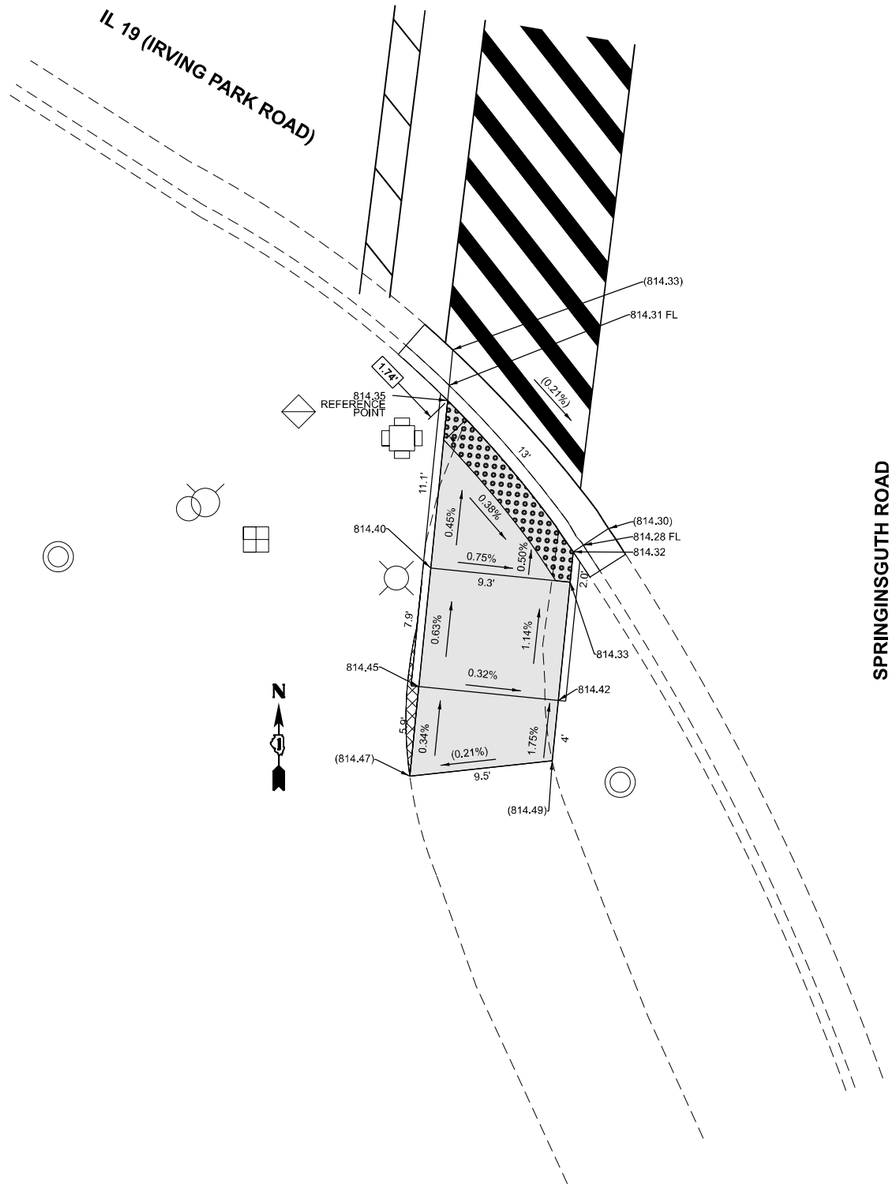

LEGEND

- 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 -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT SPRINGINSGUTH RD.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	35
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

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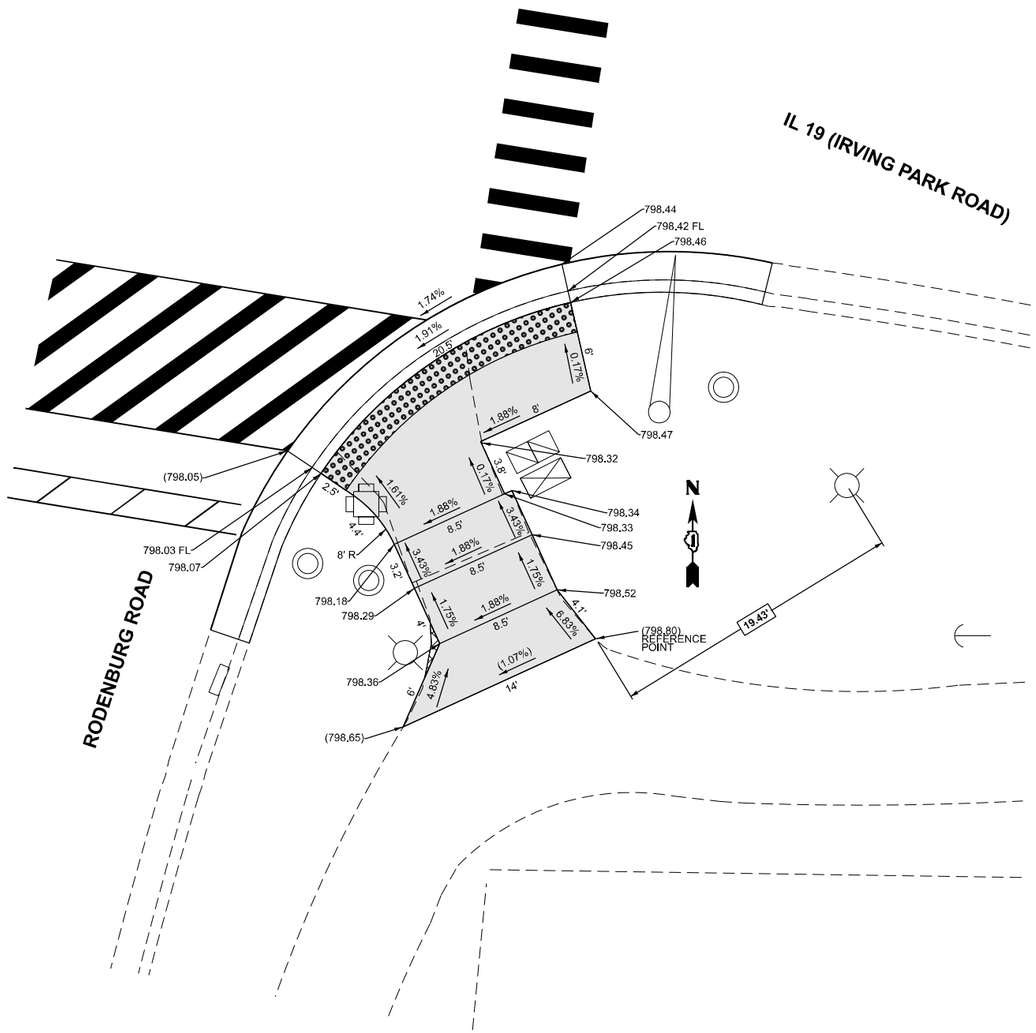

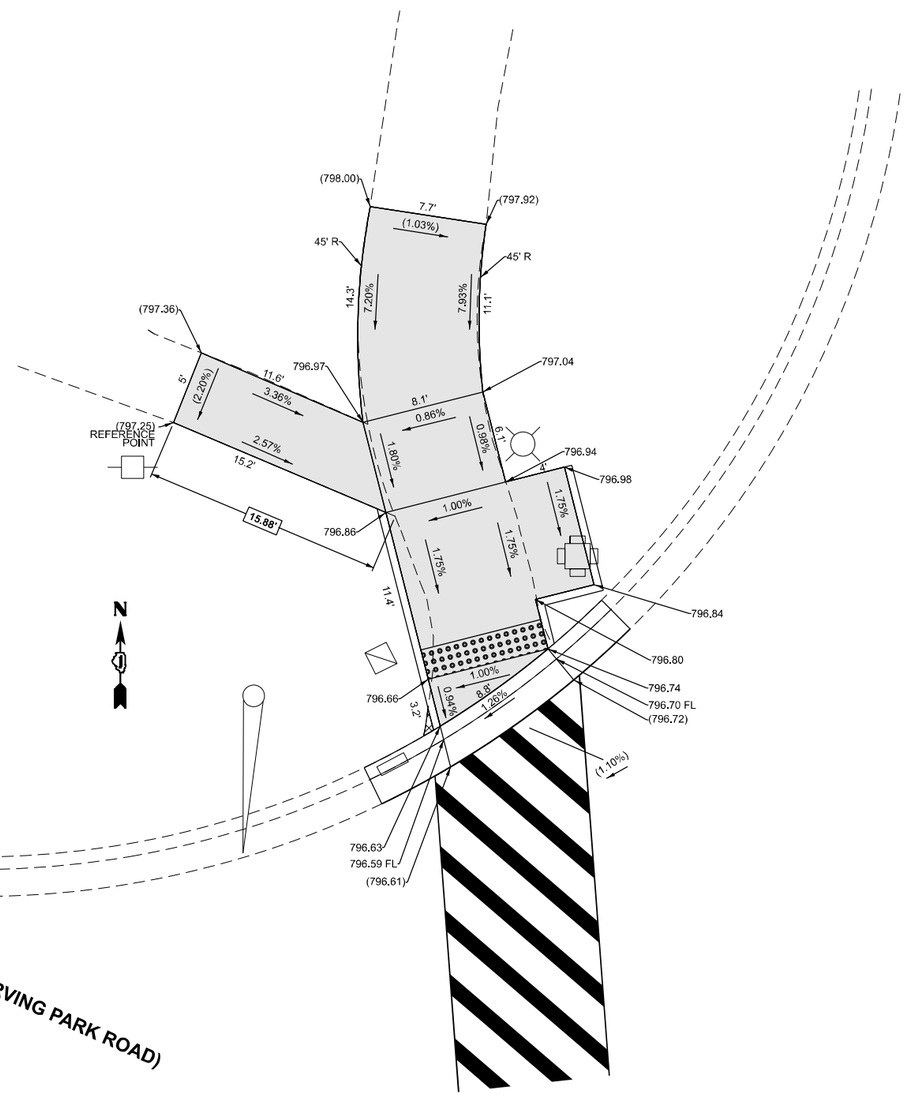

BENCHMARK FOR IL 19 AT RODENBURG ROAD:

REFERENCE BENCHMARK ELEVATION = 797.10

BENCHMARK = ON LIGHT POLE ALONG IL 19, SOUTH SIDE

LOCATION = AT SOUTHWEST CORNER OF IL 19 AND RODENBURG ROAD

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 -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT RODENBURG RD.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	36
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

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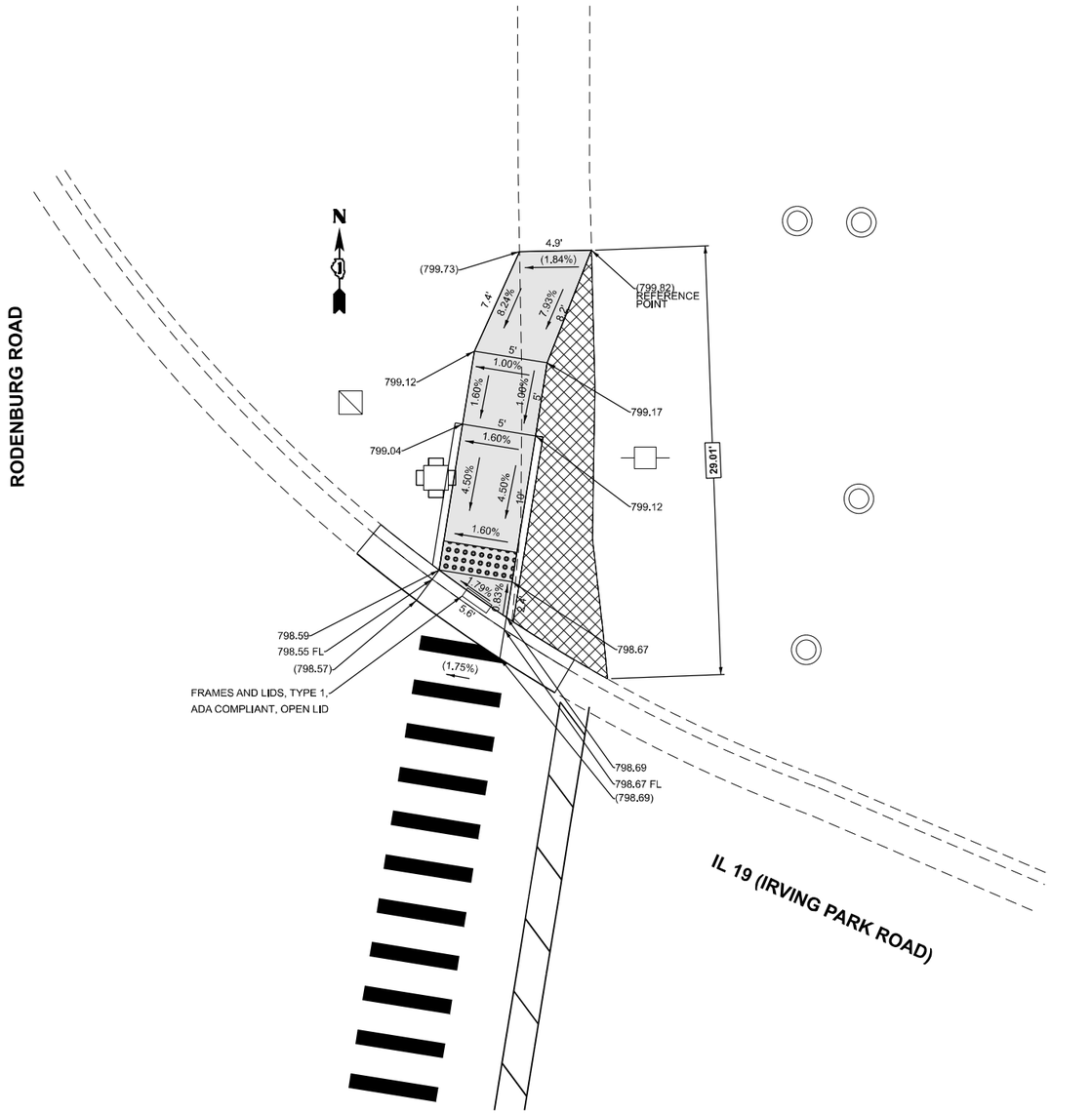

LEGEND

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 -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT RODENBURG RD.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	37
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

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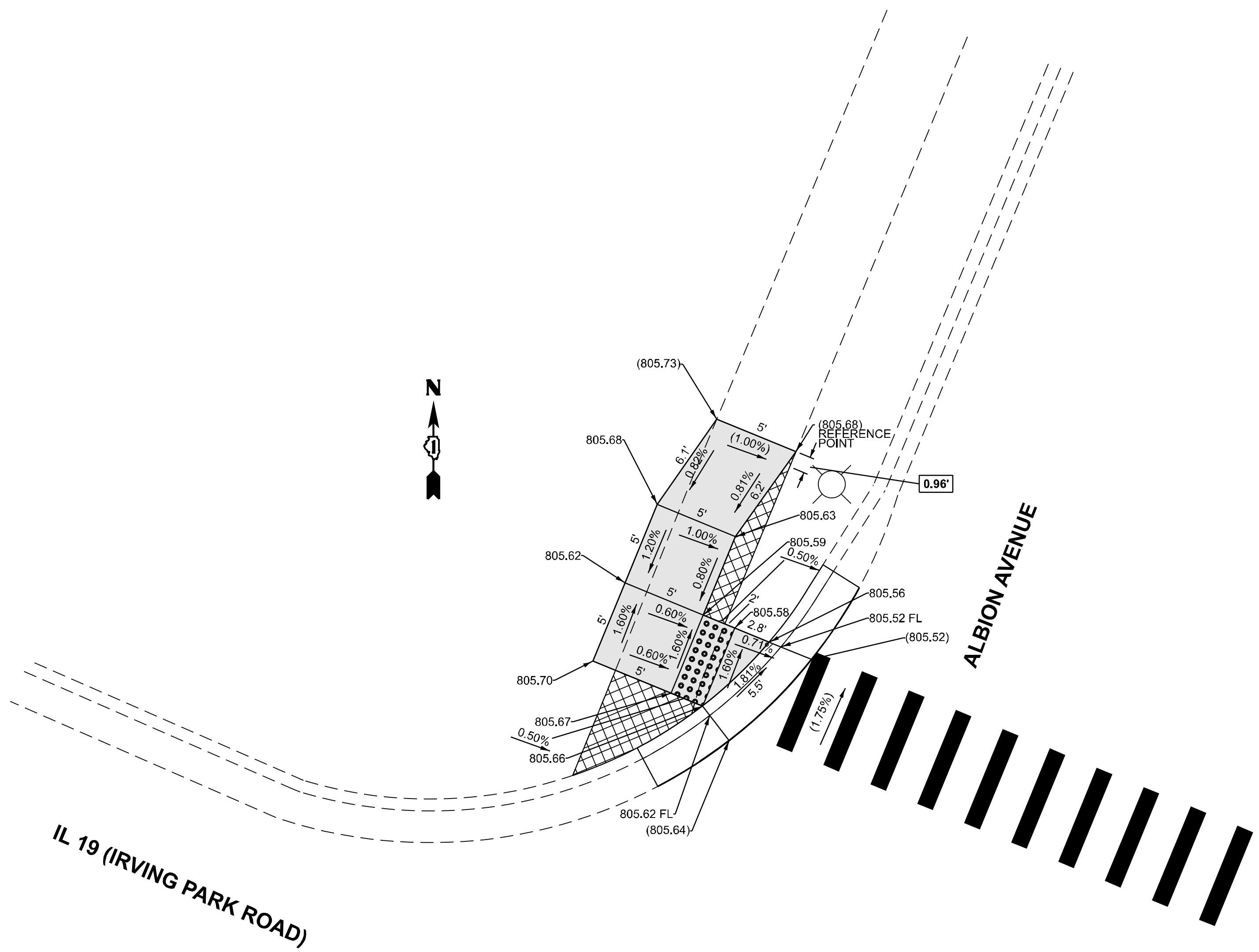

BENCHMARK FOR IL 19 AT ALBION AVENUE:

REFERENCE BENCHMARK ELEVATION = 805.67

BENCHMARK = ON HANDHOLE ALONG IL 19, SOUTH SIDE

LOCATION = APPROX. 860' WEST OF IL 19 AND ALBION AVENUE

LEGEND

xx.xx'	EXISTING LENGTH
═	PROPOSED SIDE CURB
( )	EXISTING ELEVATION/SLOPE
(shaded)	PROPOSED SIDEWALK
(dots)	DETECTABLE WARNINGS
(crosshatch)	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

MODEL: Albion_1 [Sheet]
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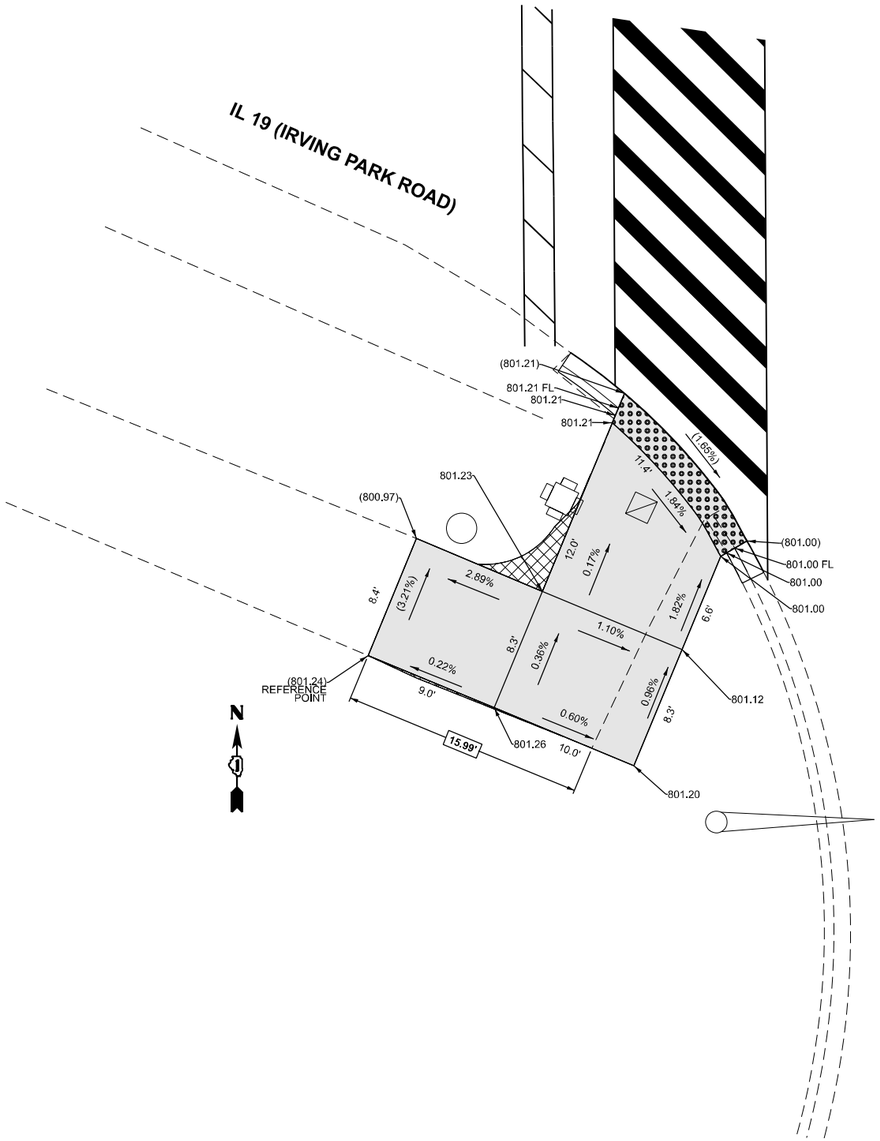
USER NAME = Farhan.Tariq	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/12/2024	DATE -	REVISED -	

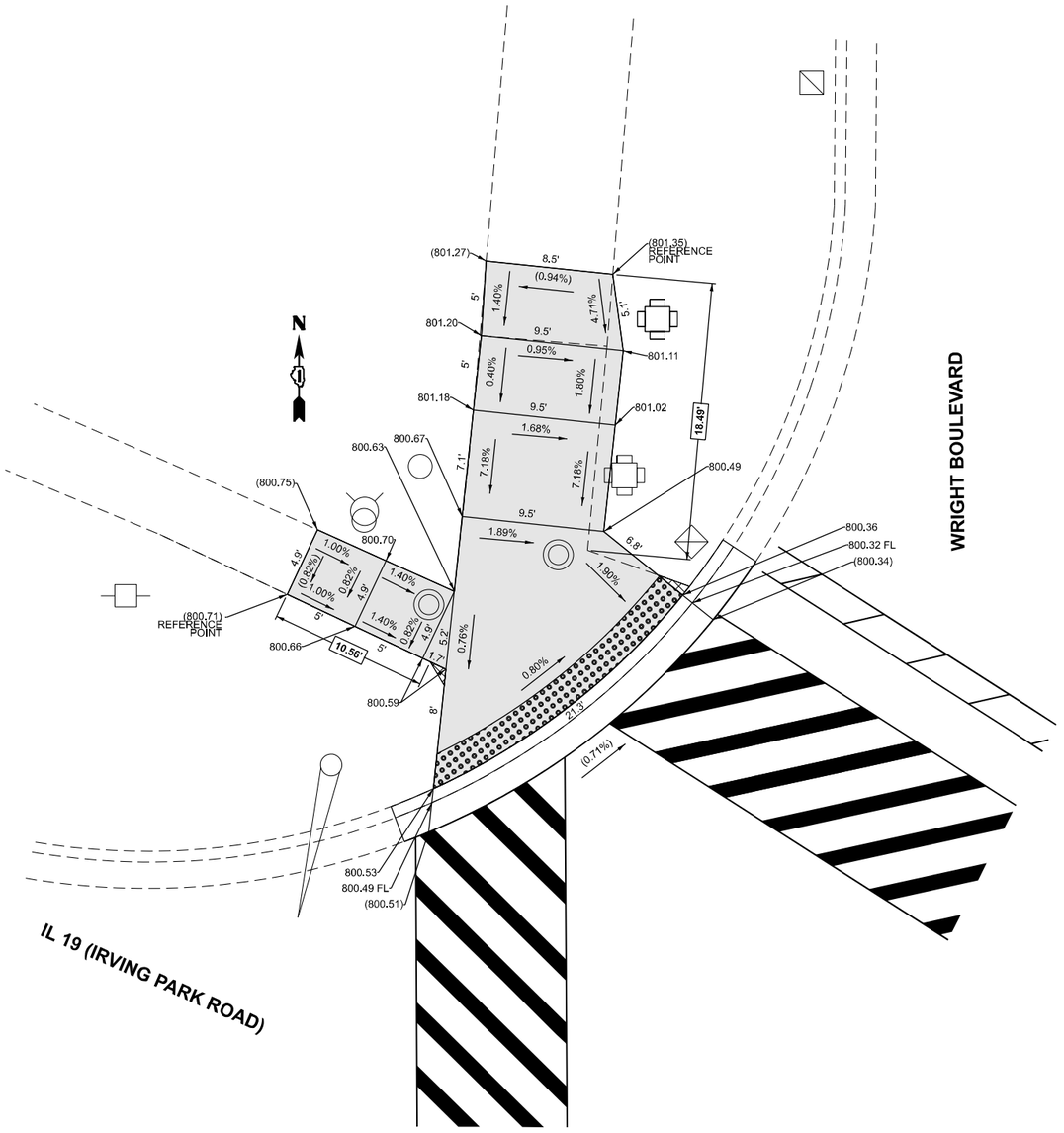
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT ALBION AVE.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	38
		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		





BENCHMARK FOR IL 19 AT WRIGHT BOULEVARD:

REFERENCE BENCHMARK ELEVATION = 802.11

BENCHMARK = ON MAST ARM POLE ALONG IL 19, SOUTH SIDE

LOCATION = AT SOUTHWEST CORNER OF IL 19 AND WRIGHT BOULEVARD

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 -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT WRIGHT BLVD.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	39
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

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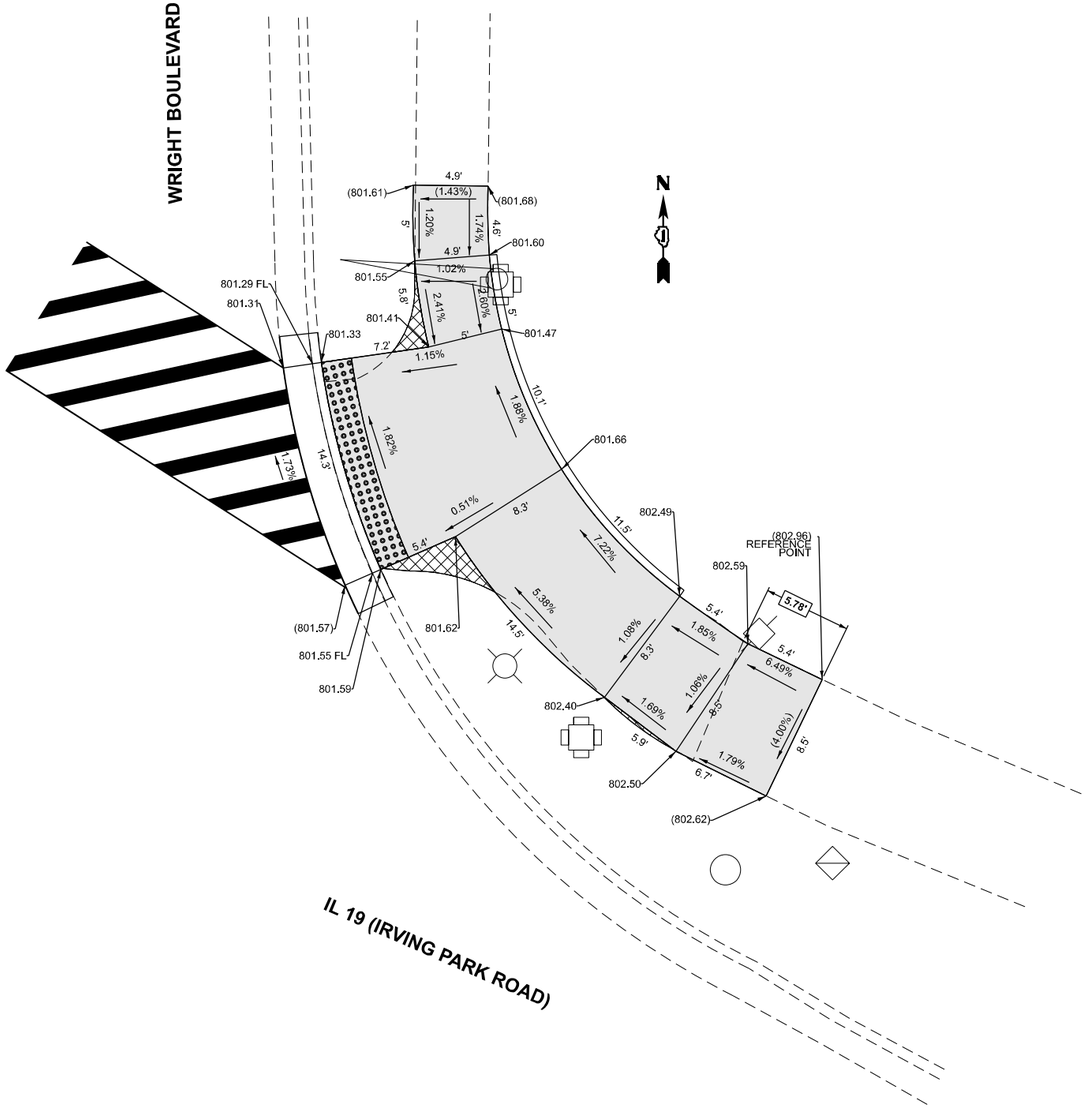

LEGEND

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 -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP PLAN - IL 19 AT WRIGHT BLVD.
IL 19 (EAST OF WISE RD. TO ROSELLE RD.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	40
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

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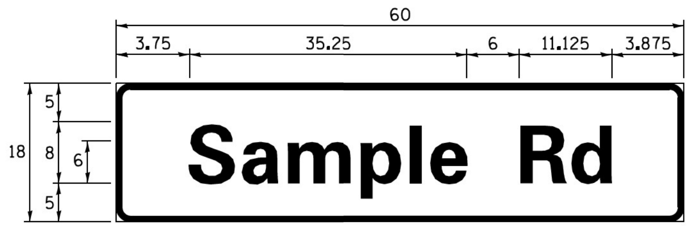
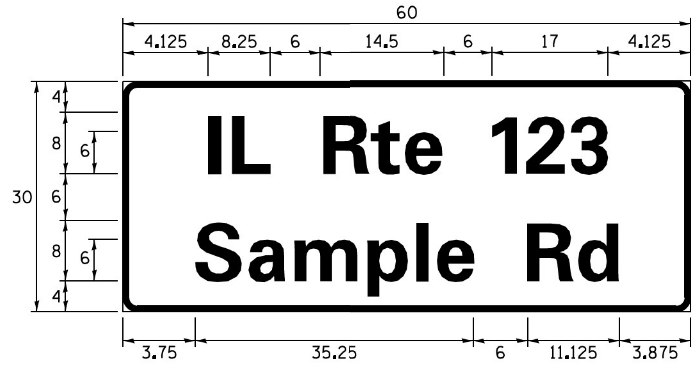
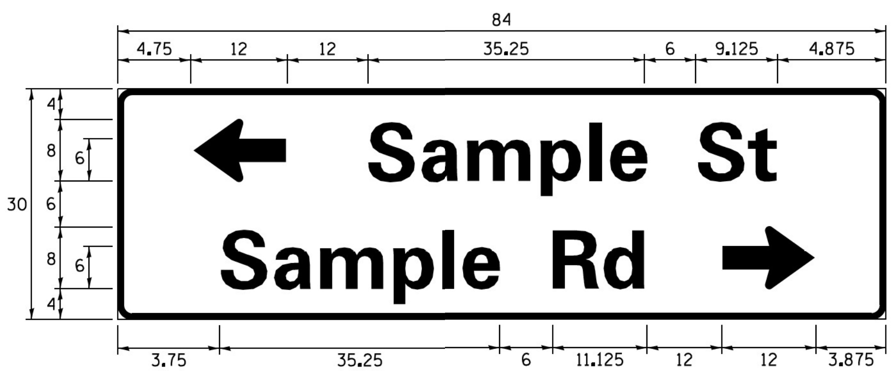
SIGN PANEL - TYPE 1 OR TYPE 2







DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

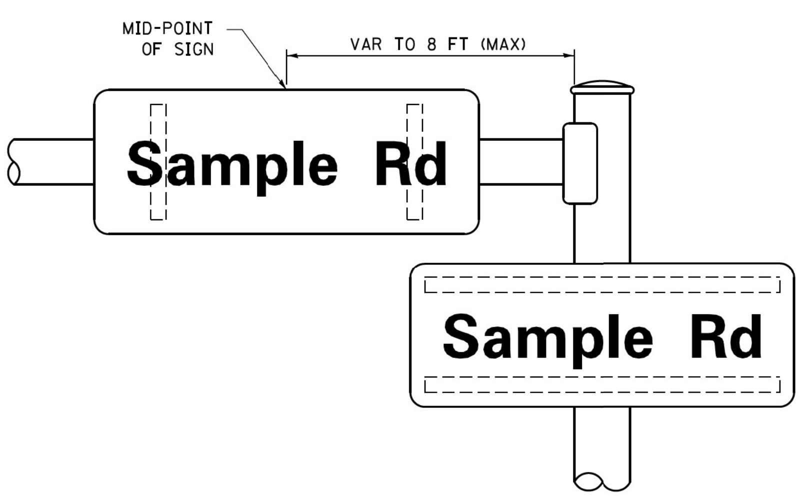
1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE ¾" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:	PARTS LISTING:	
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA	SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
	SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- WESTERN REMAC, INC. WOODRIDGE, IL	BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

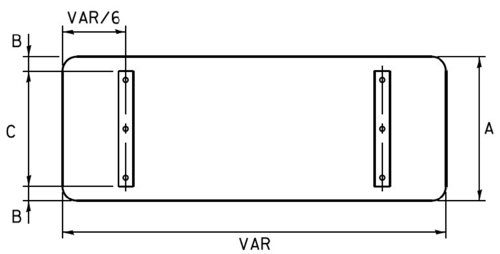
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

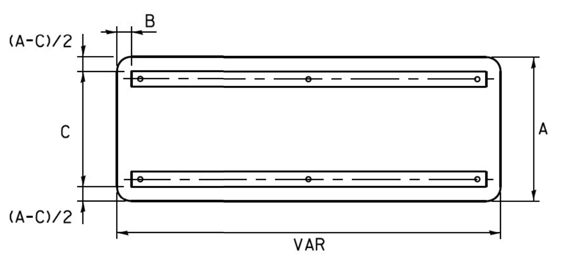
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 01

* COOK & DUPAGE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	41
TS-02		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		

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		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
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
SAMPLINC (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

* COOK & DUPAGE

TS SHT NO. 02

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	PLOT DATE = 9/29/2016	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 RS	*	75	42
	TS-05	CONTRACT NO. 62R58		
		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.

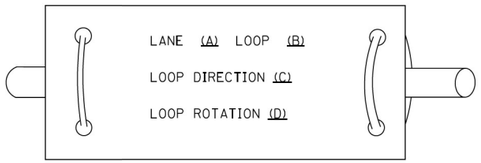
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

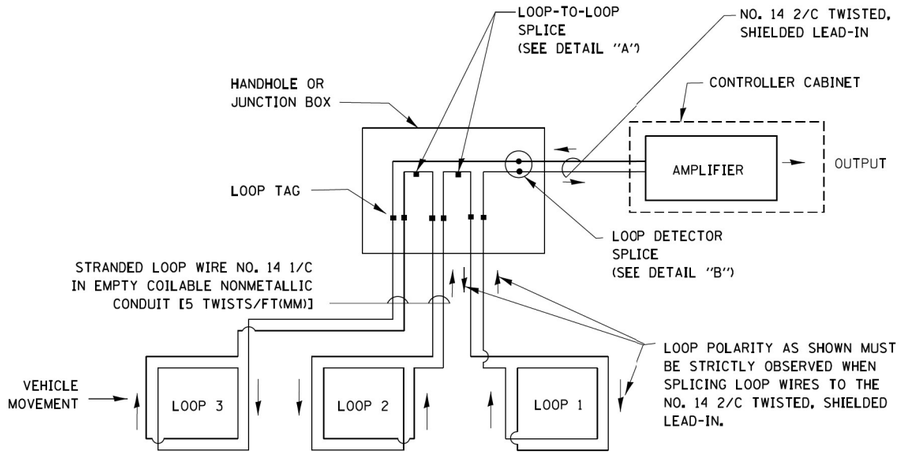


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

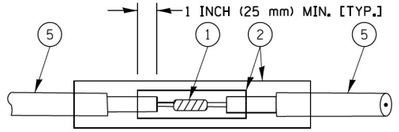
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

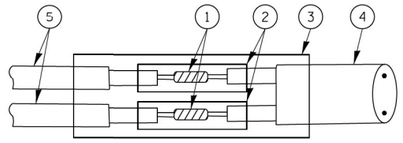


DETECTOR LOOP WIRING SCHEMATIC

- 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.

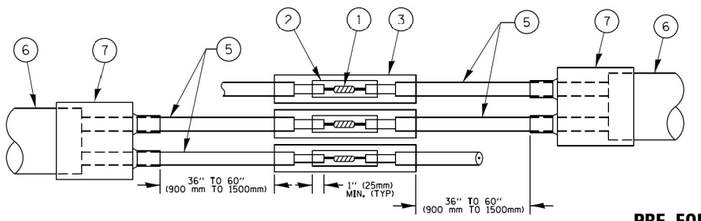


DETAIL "A"
LOOP-TO-LOOP SPLICE



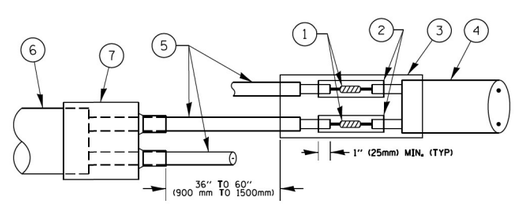
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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.

(6) PRE-FORMED LOOP

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

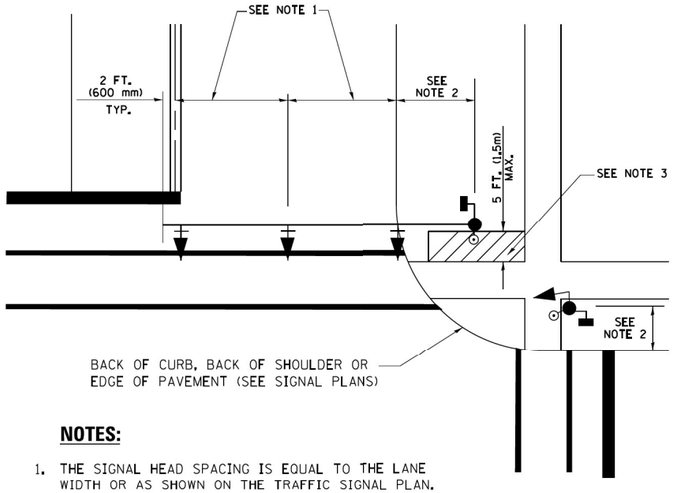
TS SHT NO. 03

* COOK & DUPAGE

FILE NAME = c:\pw_work\pwidot\footemj\d0108315\ts05.dgn	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BCK	REVISED -					1321	FAU 1321 22 RS	*	75	43
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -						TS-05	CONTRACT NO. 62R58		
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

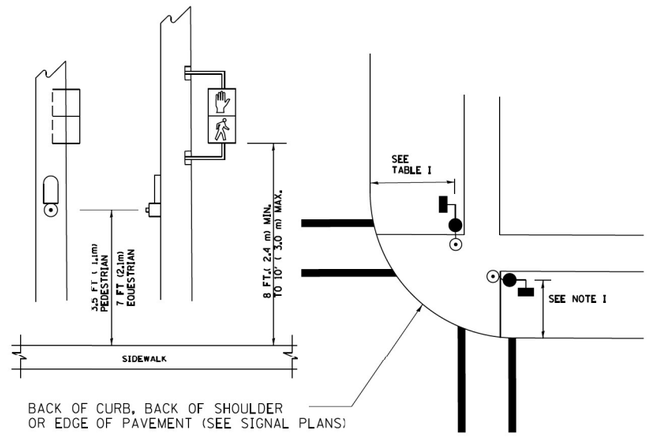
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

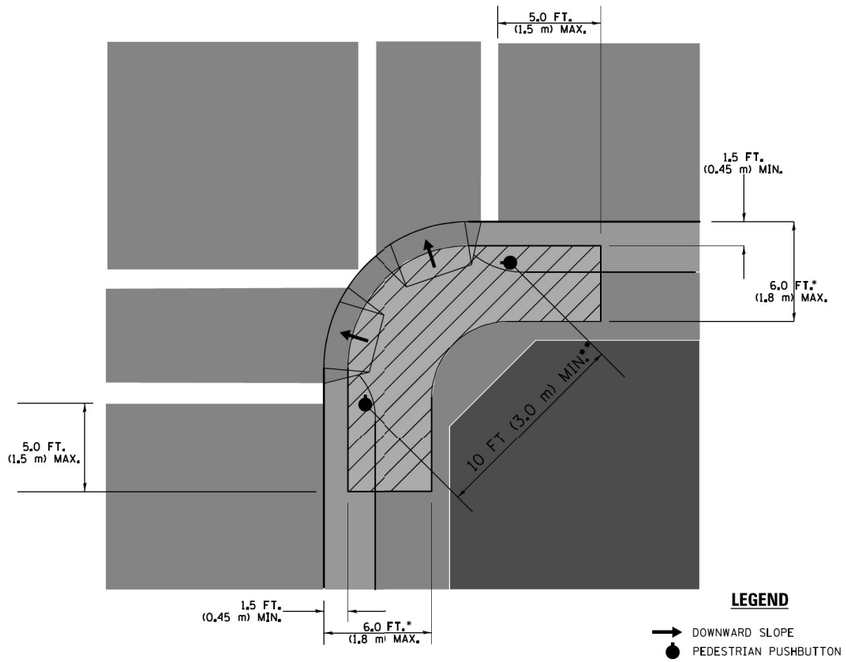
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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.

* COOK & DUPAGE

TS SHT NO. 04

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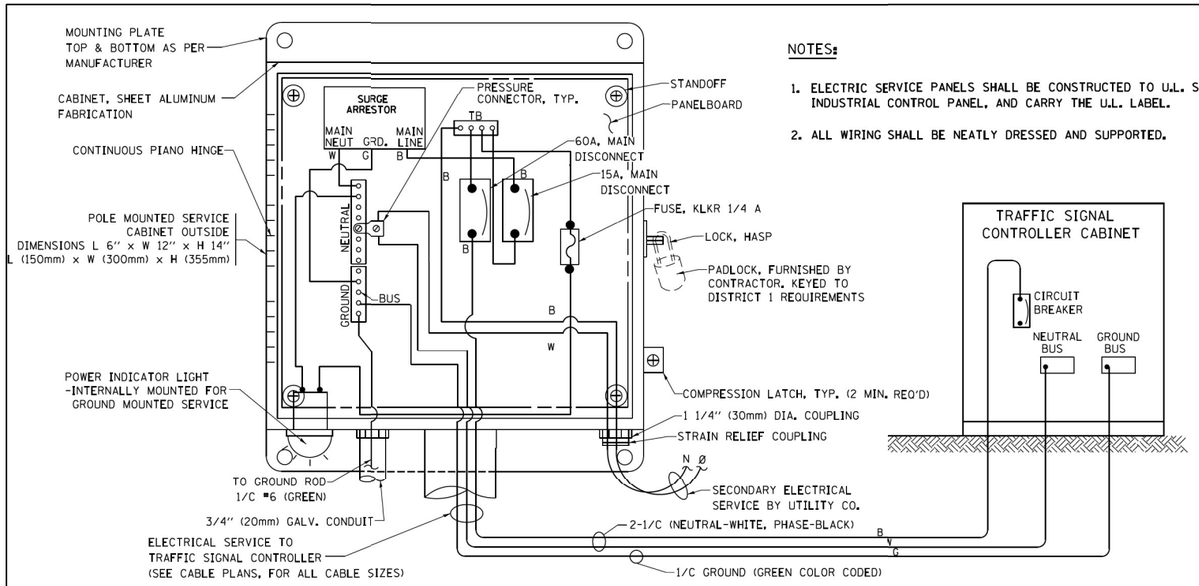
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 3 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	44
	TS-05	CONTRACT NO. 62R58		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



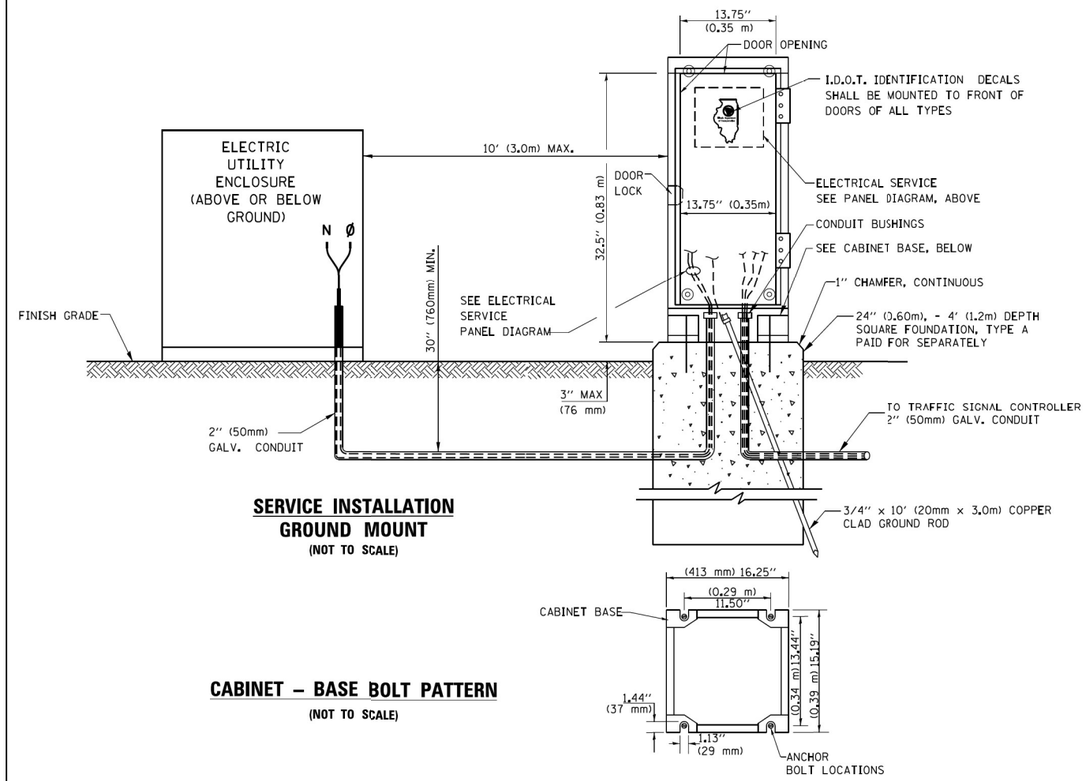
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

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.

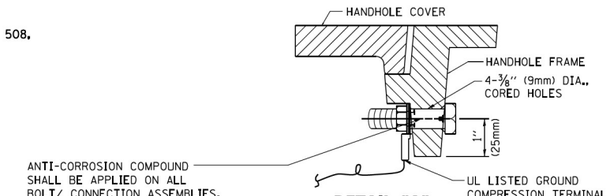


SERVICE INSTALLATION GROUND MOUNT

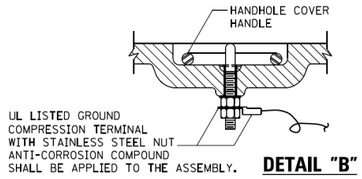
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



DETAIL "A"



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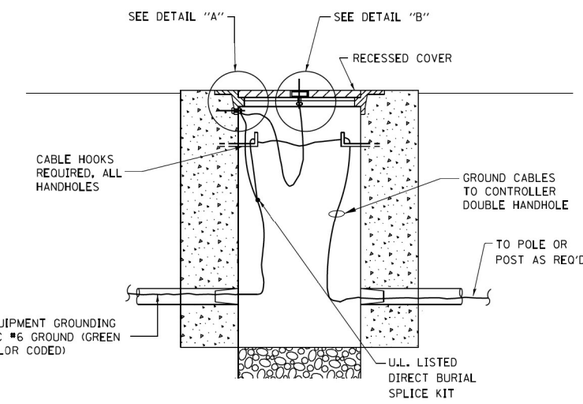


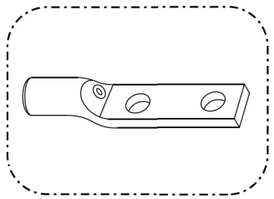
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

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.

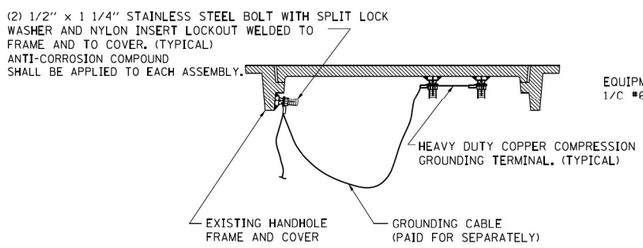


HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)

¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

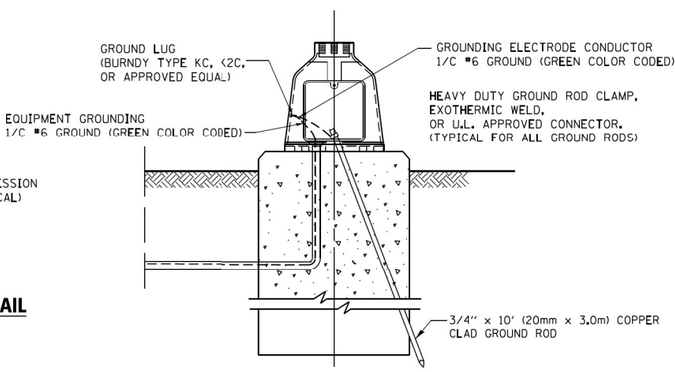
NOTES:

- 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)

TS SHT NO. 05

* COOK & DUPAGE

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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 4 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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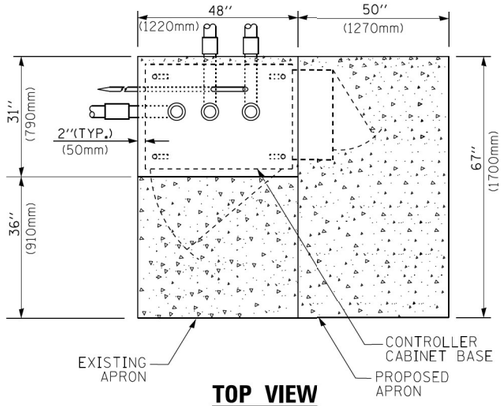
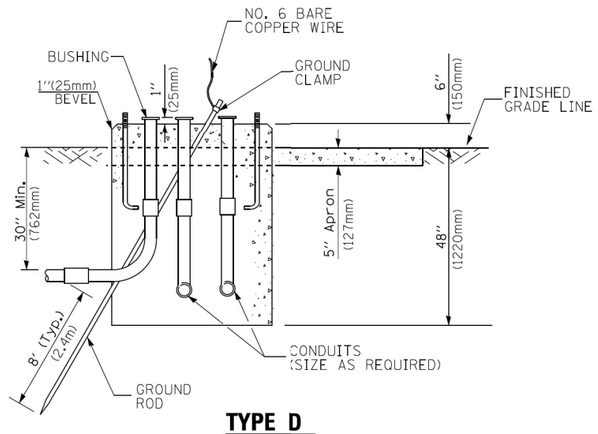
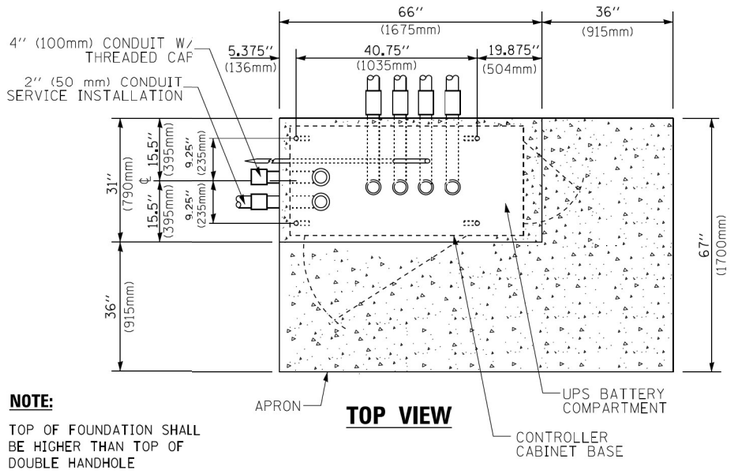
	TS-05	CONTRACT NO. 62R58		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TOP VIEW



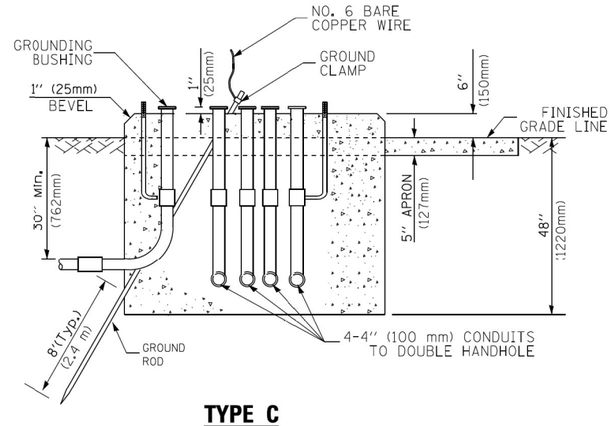
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



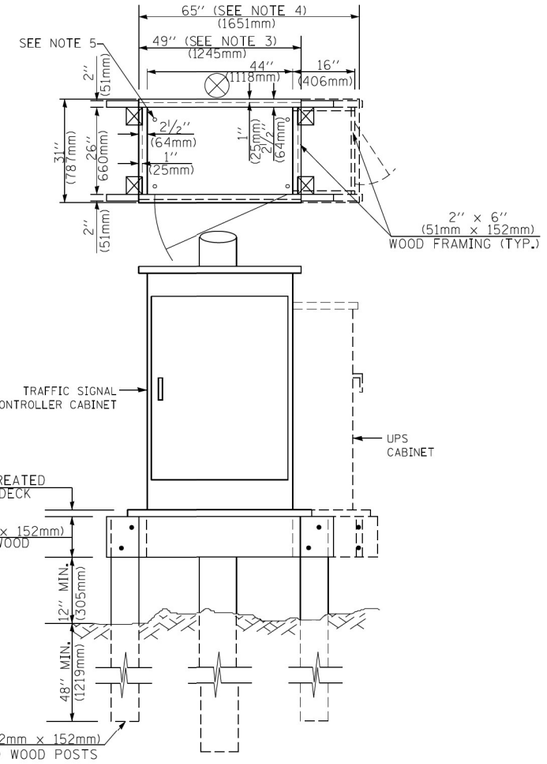
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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



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

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 * COOK & DUPAGE

TS SHT NO. 06

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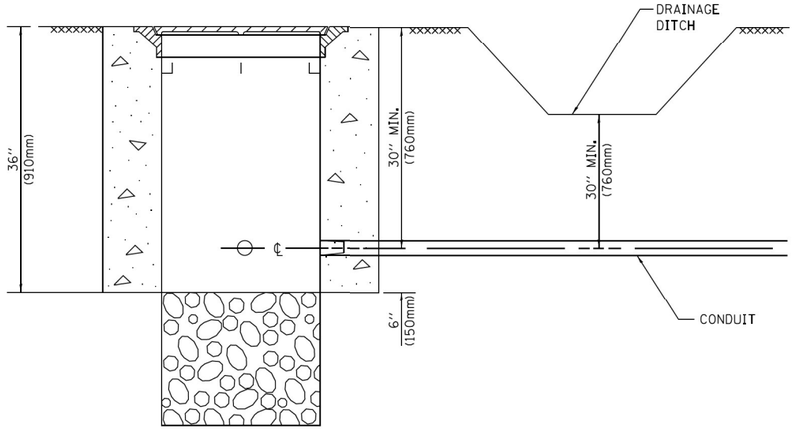
	PLOT SCALE = 50.0000 ' / in.	DRAWN - BCK	REVISED -
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 5 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	46
	TS-05	CONTRACT NO. 62R58		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

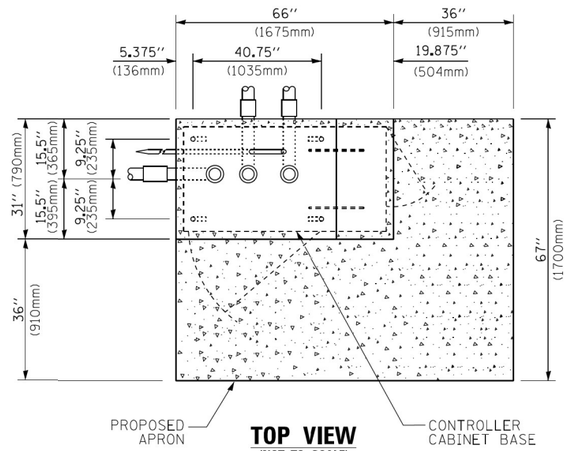


NOTES:

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.

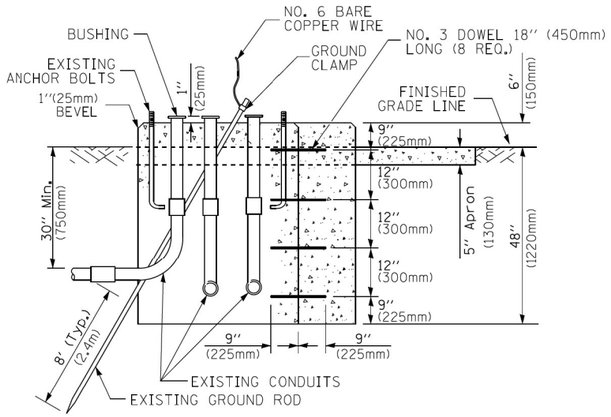
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



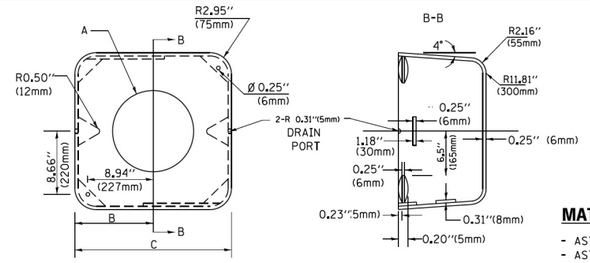
TOP VIEW

(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)

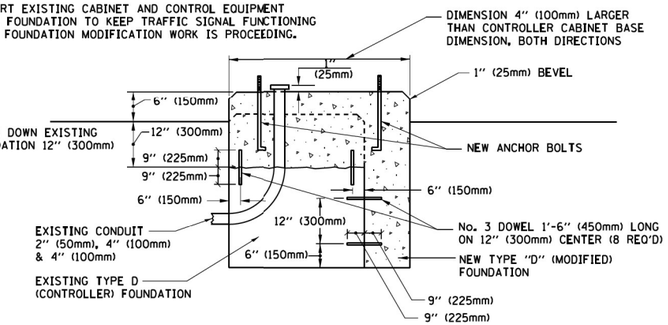
SHROUD

NOTES:

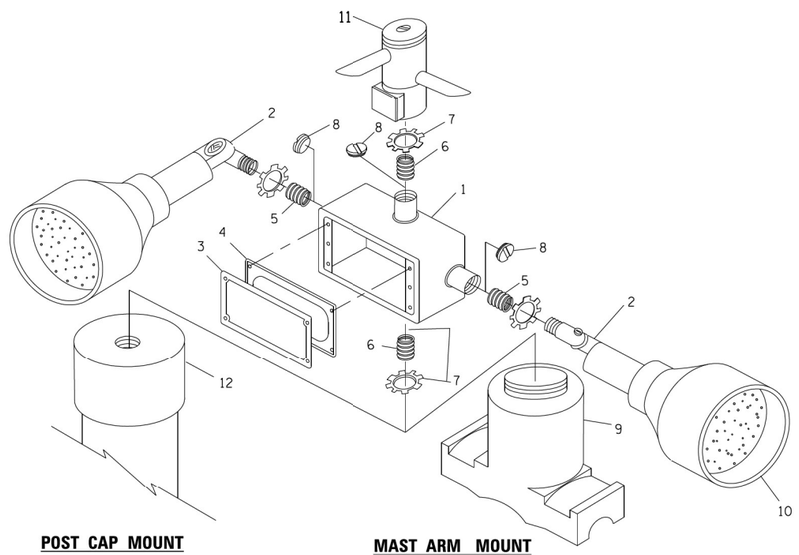
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



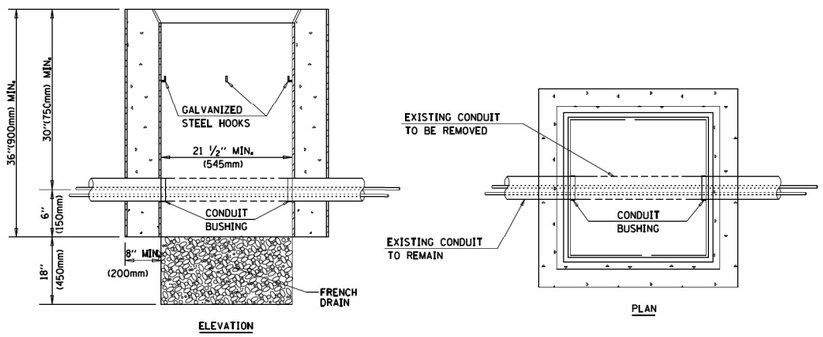
POST CAP MOUNT **MAST ARM MOUNT**

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

TS SHT NO. 07

* COOK & DUPAGE

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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 6 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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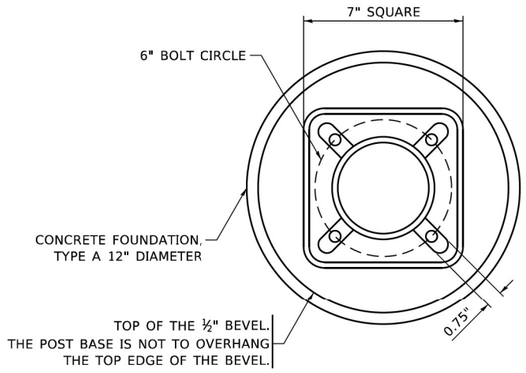
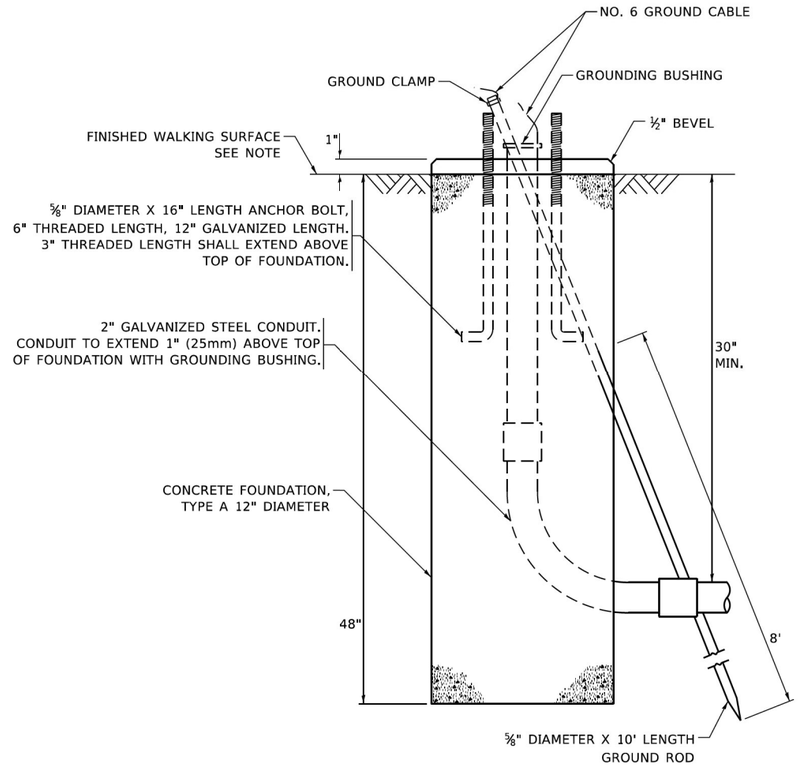
	TS-05	CONTRACT NO. 62R58		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



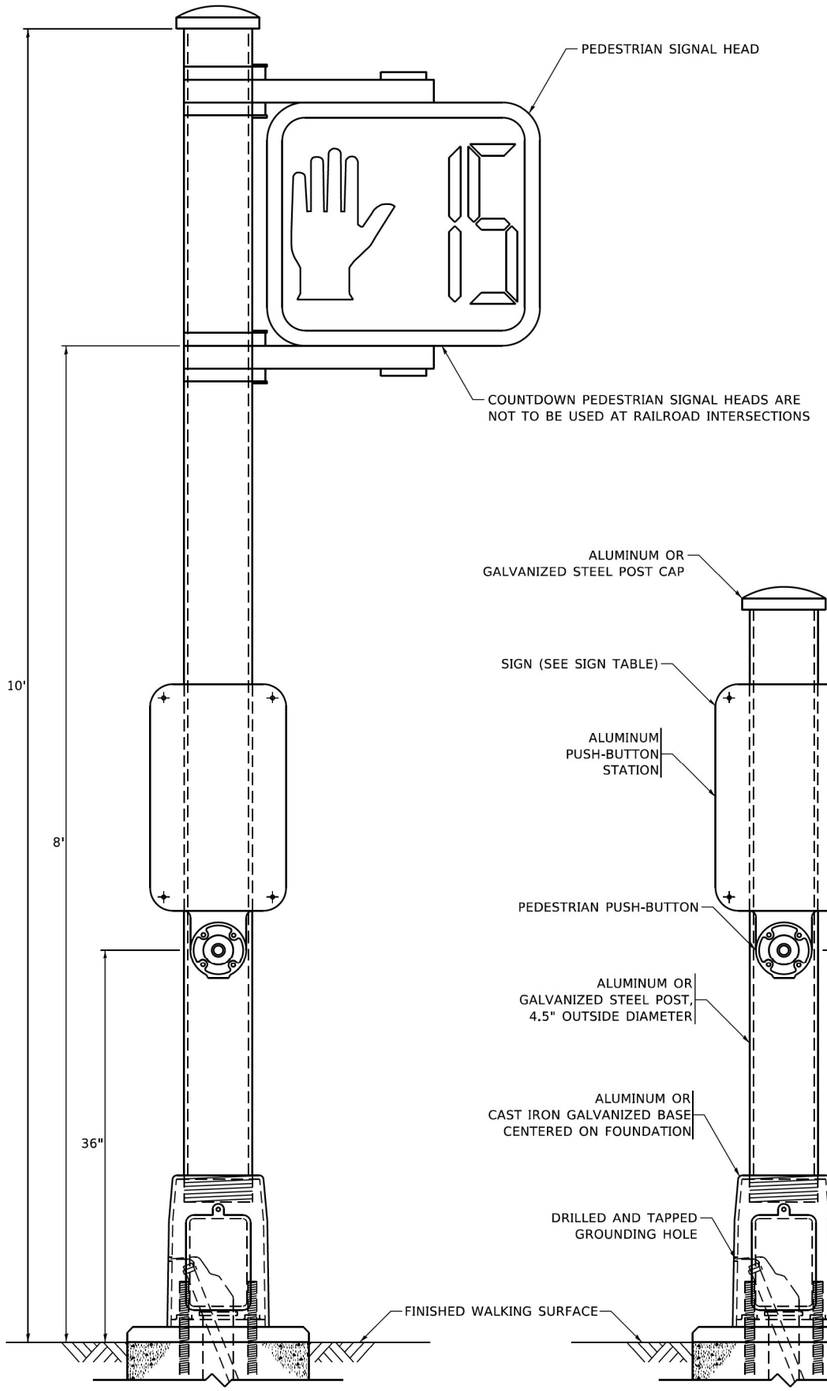
BOLT PATTERN

NOTE:

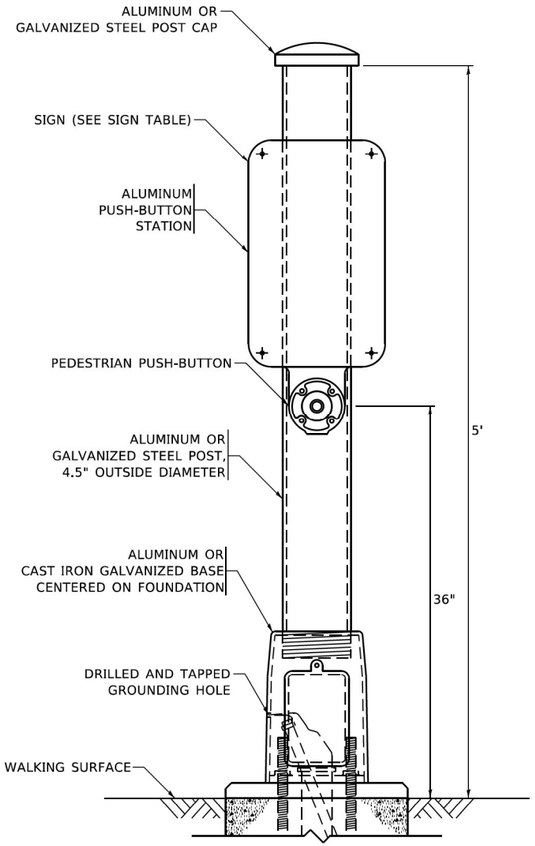
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



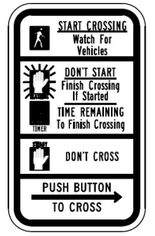
PEDESTRIAN SIGNAL POST, 10 FT.



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.

TS SHT NO. 08

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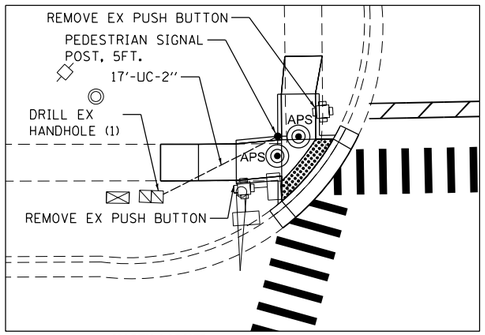
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

* COOK & DUPAGE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	48
	TS–05	CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			



NORTH CORNER

NOTES:

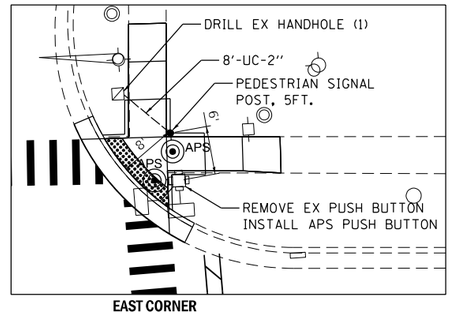
1. THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

REMOVE 6 PEDESTRIAN PUSH-BUTTON

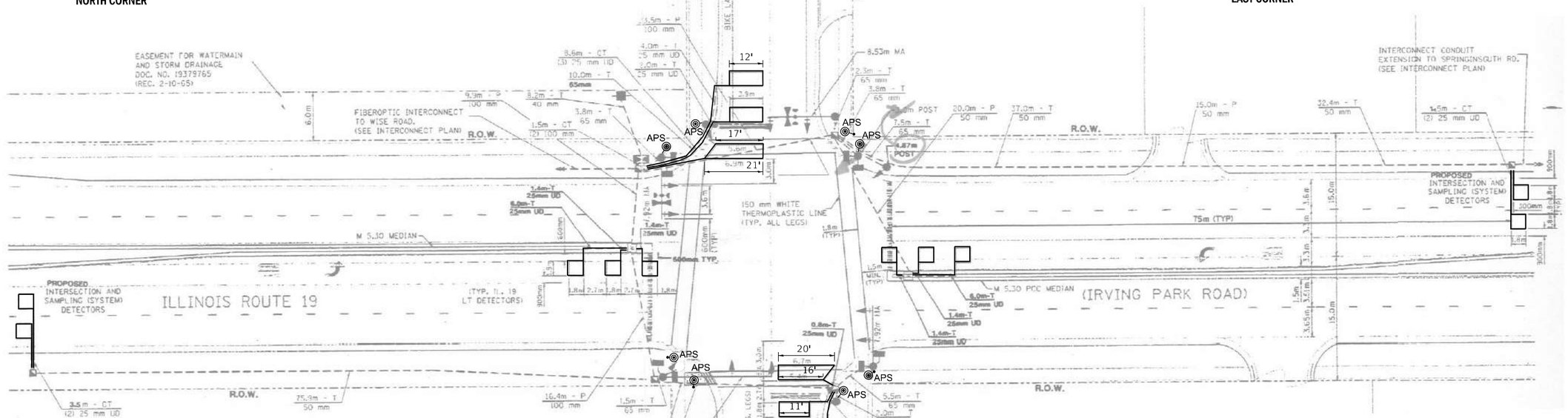
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

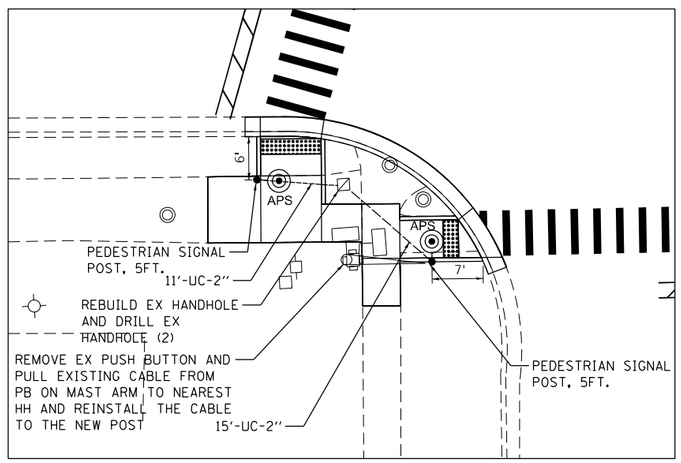
3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

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



EAST CORNER





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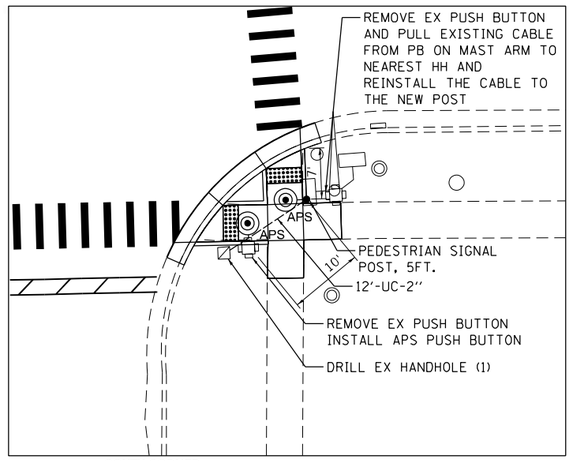


SOUTH CORNER

NOTES (CONT'D):

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

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

7. STATIONS SHOW ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.

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

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

10. PUSH-BUTTON EXTENSIONS 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 BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

TS 1976

ECON 158

* COOK & DUPAGE

TS SHT NO. 09

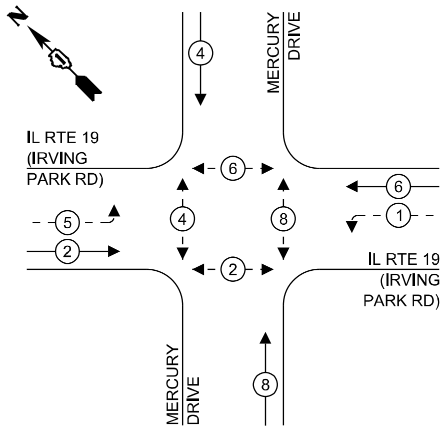
FILE NAME: M:_20193 CHI\1340-4500 IDOT PTB 190 • Various Traffic Signal Design Graphics\WO 2440 0 APS & Various tasks\62R58\CAD\62R58_Sheet_02_IL_19 at Mercury.dgn

Sam Schwartz
200 S. WACKER SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 19 (IRVING PARK RD) AT MERCURY DR
	DRAWN - ERICA SALUTZ	REVISED -		
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -		
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	49
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

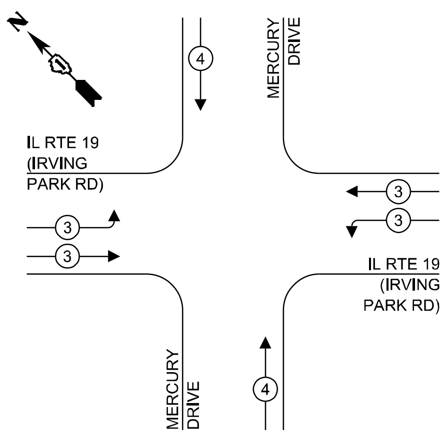
EXISTING CONTROLLER SEQUENCE

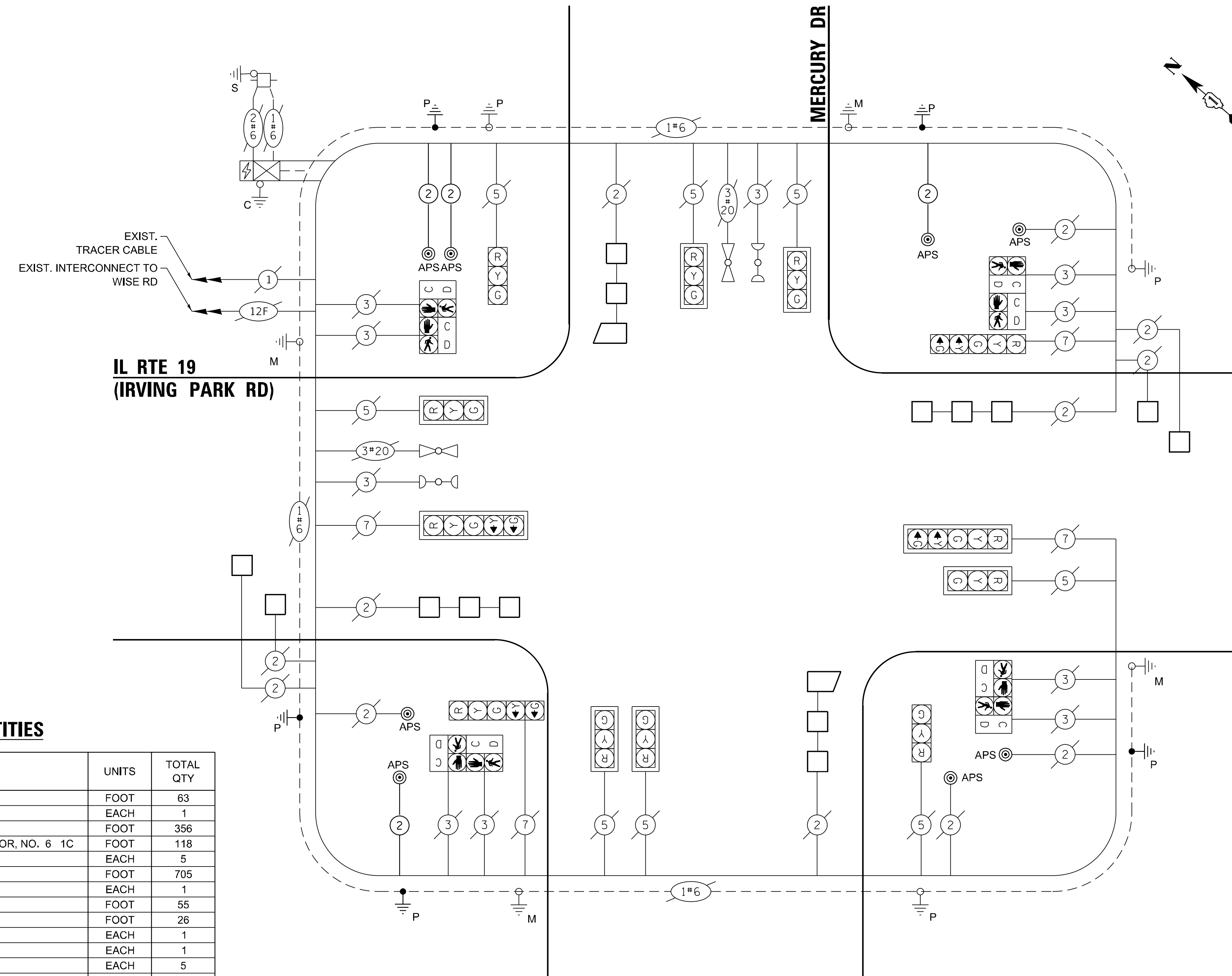


LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	8	11	88
4 - SECTION	-	14	-
5 - SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			435
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 =			1040

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	63
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	356
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	118
DRILL EXISTING HANDHOLE	EACH	5
DETECTOR LOOP, TYPE I	FOOT	705
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	55
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	26
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:
VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193-1878

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 02450-68017

TS 1976
ECON 158

* COOK & DUPAGE

TS SHT NO. 10

Sam Schwartz
200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800

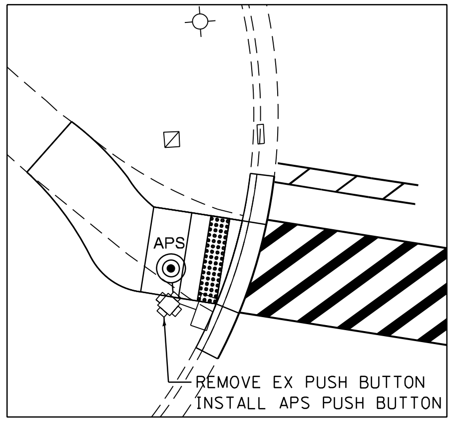
USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

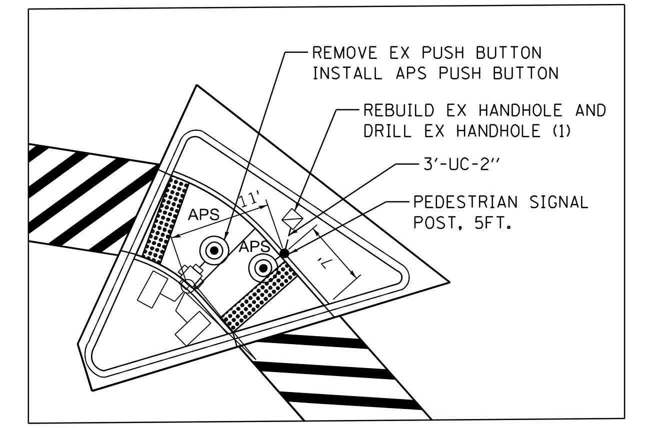
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
IL RTE 19 (IRVING PARK RD) AT MERCURY DR

SCALE: SHEET OF SHEETS STA. TO STA.

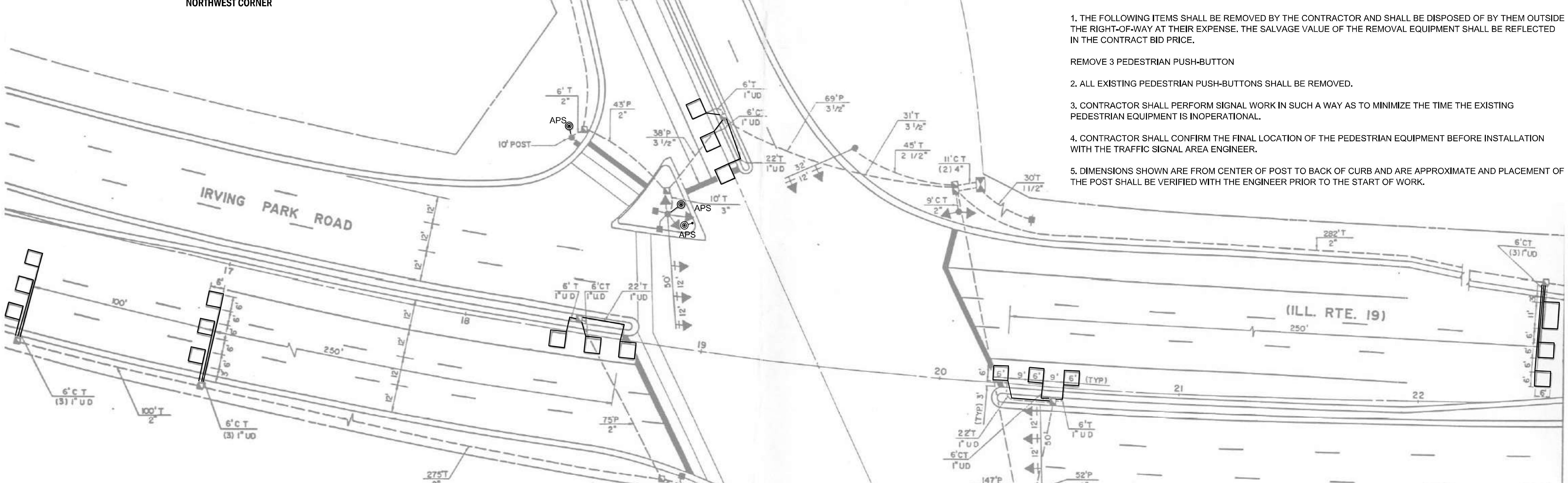
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	50
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



NORTHWEST CORNER



NORTHWEST ISLAND



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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

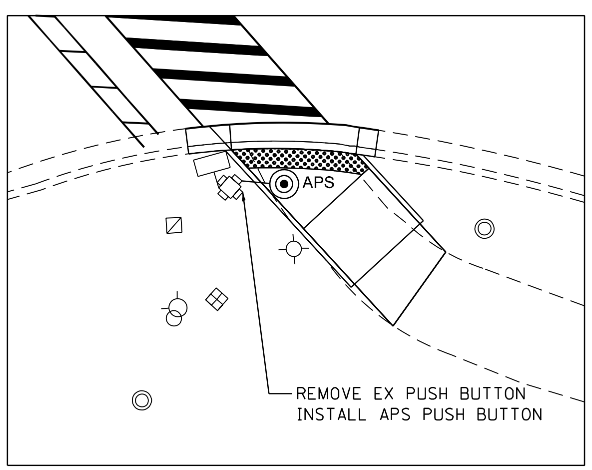
REMOVE 3 PEDESTRIAN PUSH-BUTTON

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 EQUIPMENT IS INOPERATIONAL.

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

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



SOUTHWEST CORNER

NOTES (CONT'D):

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

7. STATIONS SHOW ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.

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

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

10. PUSH-BUTTON EXTENSIONS 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 BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

TS 1965

ECON 158

* COOK & DUPAGE

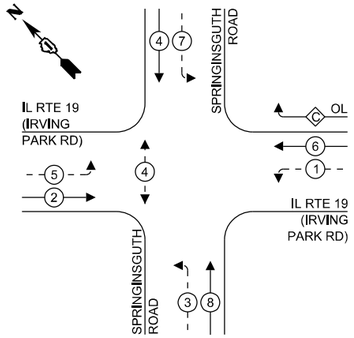
TS SHT NO. 11

Sam Schwartz — 200 S. WACKER, SUITE 1400, CHICAGO, IL 60606, TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 19 (IRVING PARK RD) AT SPRINGINSGUTH RD
	DRAWN - ERICA SALUTZ	REVISED -		
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -		
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	51
		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



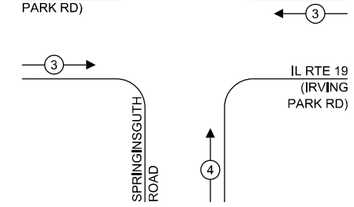
LEGEND:

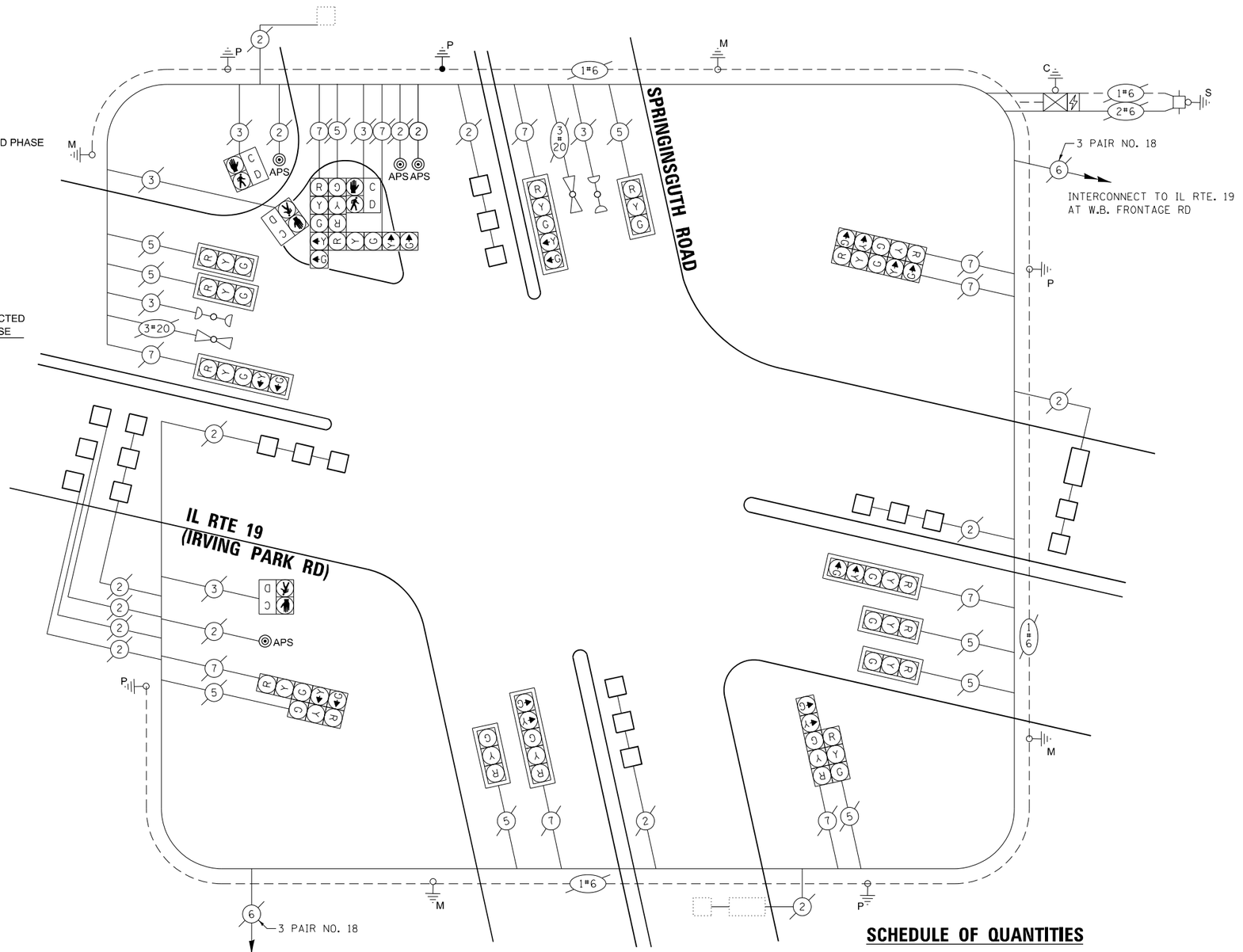
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	9	11	99
4 - SECTION	-	14	-
5 - SECTION	10	13	130
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			464
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 =			1069

ENERGY COSTS TO:
VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193-1878

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 02450-68017

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	184
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	14
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	833
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

* COOK & DUPAGE

TS 1965
ECON 89

TS SHT NO. 12

Sam Schwartz
200 S. WACKER
SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

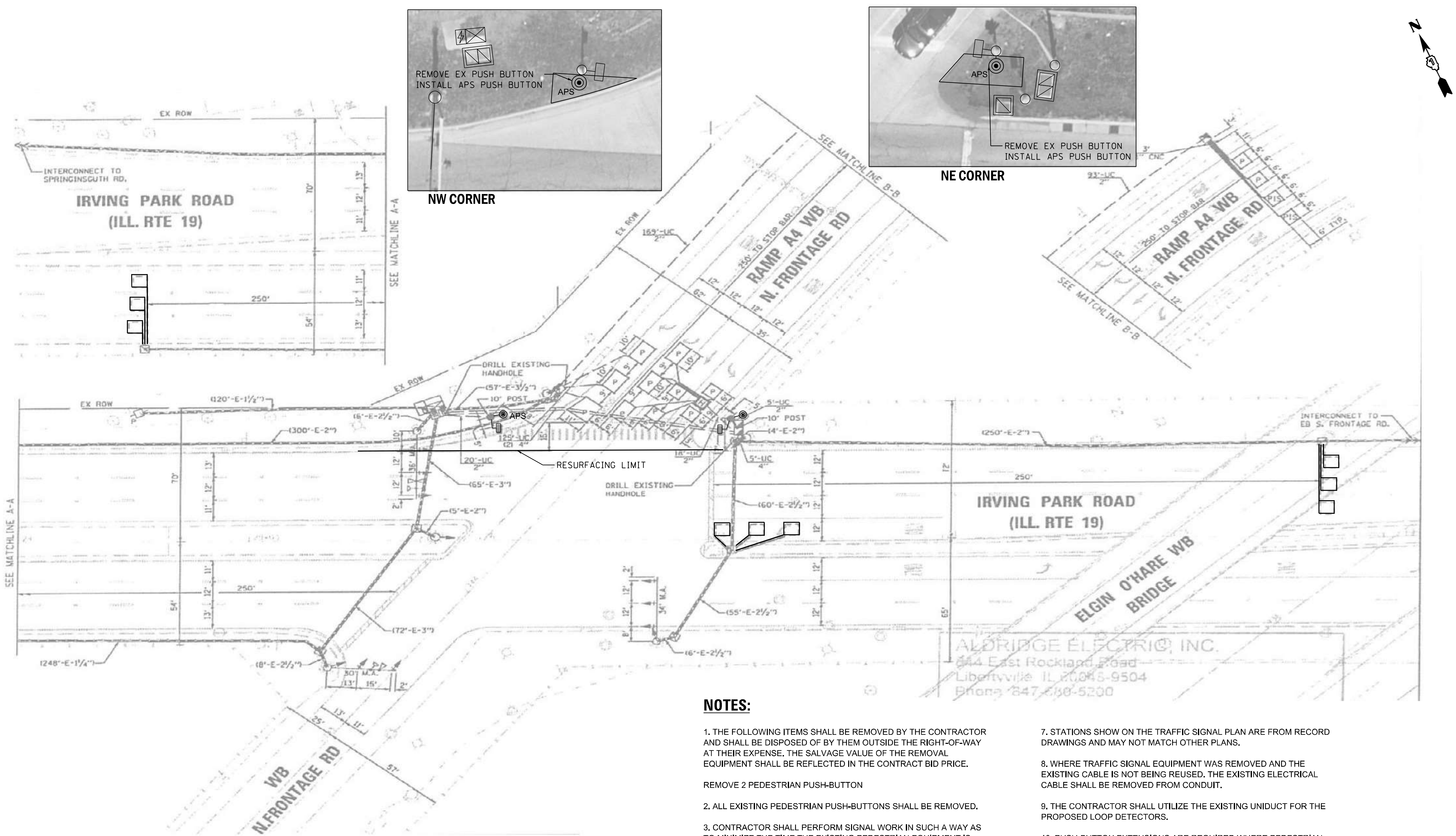
USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	
	DRAWN - ERICA SALUTZ	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -	
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
IL RTE 19 (IRVING PARK RD) AT SPRINGINSGUTH RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	52
		CONTRACT NO. 62R58		
		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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

REMOVE 2 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 EQUIPMENT IS INOPERATIONAL.

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

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

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

7. STATIONS SHOW ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.

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

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

10. PUSH-BUTTON EXTENSIONS 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 BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

TS 21710
ECON 89

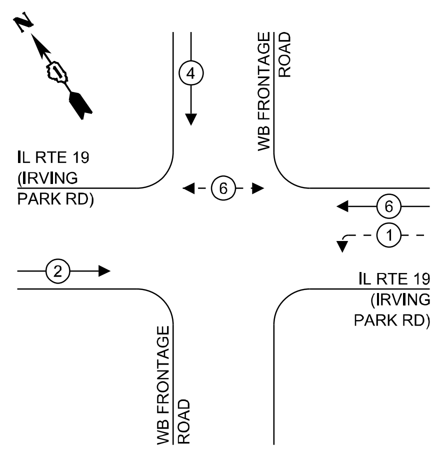
* COOK & DUPAGE

TS SHT NO. 13

Sam Schwartz 200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800	USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 19 (IRVING PARK RD) AT WB FRONTAGE ROAD
		DRAWN - ERICA SALUTZ	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -		
	PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	53
		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		

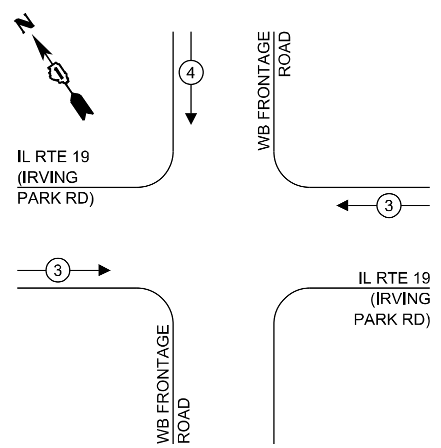
EXISTING CONTROLLER SEQUENCE

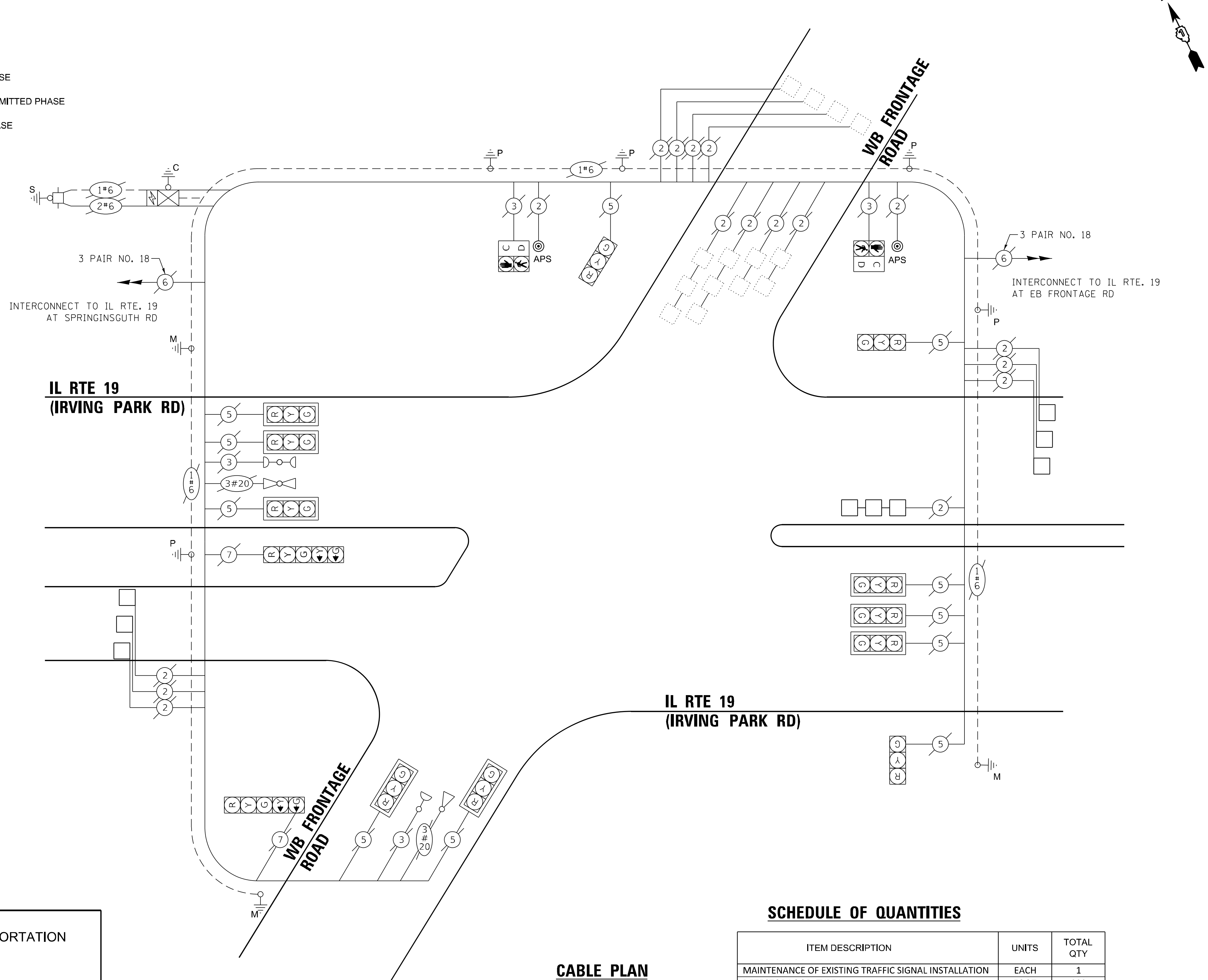


LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	11	11	121
4 - SECTION	-	14	-
5 - SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			352
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 =			957

ENERGY COSTS TO:
ILLINOIS DEPT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 02450-68017

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	322
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 21710
ECON 89

* COOK & DUPAGE

TS SHT NO. 14

Sam Schwartz
200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800

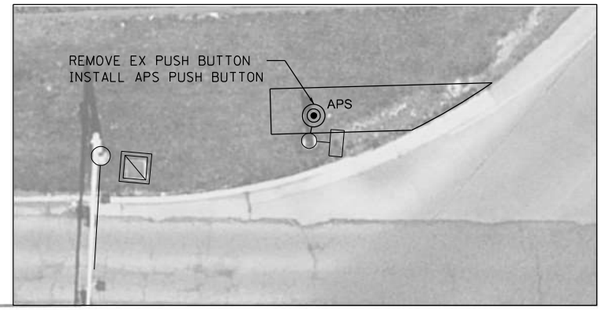
USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	
	DRAWN - ERICA SALUTZ	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -	
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

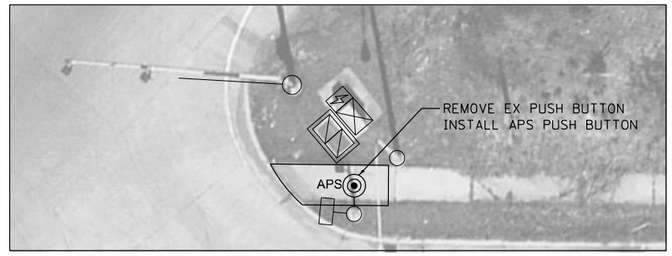
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
IL RTE 19 (IRVING PARK RD) AT WB FRONTAGE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

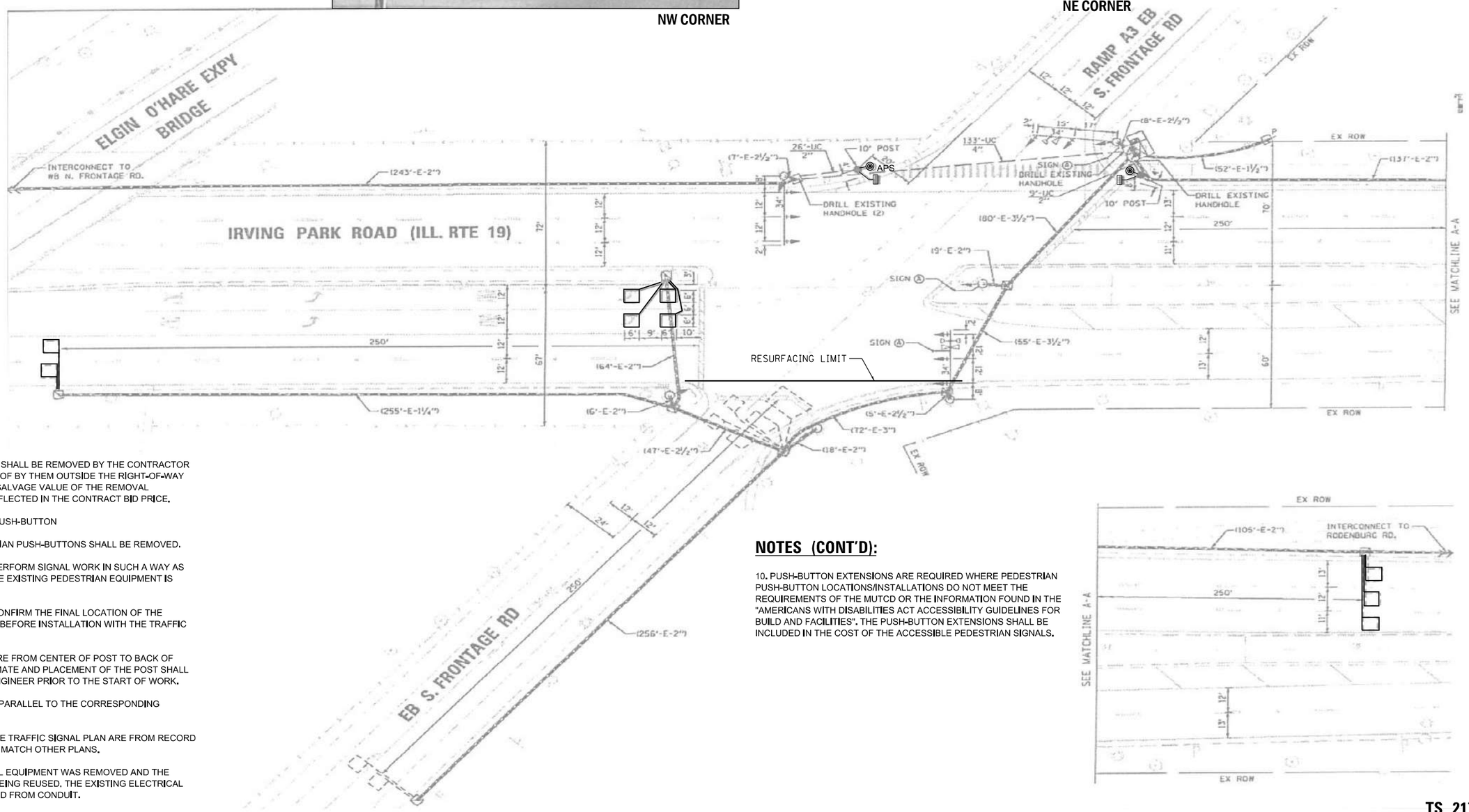
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	54
		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		



NW CORNER



NE CORNER



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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

REMOVE 2 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 EQUIPMENT IS INOPERATIONAL.

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

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

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

7. STATIONS SHOW ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.

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

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

NOTES (CONT'D):

10. PUSH-BUTTON EXTENSIONS 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 BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

TS SHT NO. 15

TS 21709

ECON 89

* COOK & DUPAGE

Sam Schwartz
200 S. WACKER
SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	
	DRAWN - ERICA SALUTZ	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -	
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -	

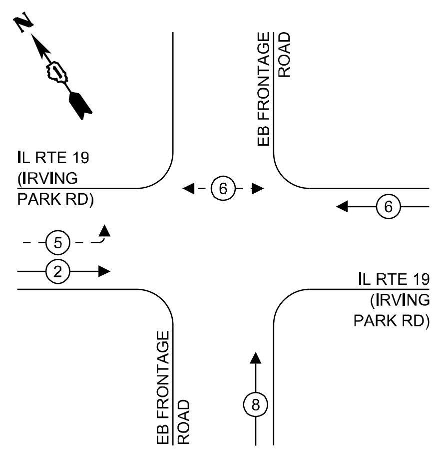
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 19 (IRVING PARK RD) AT EB FRONTAGE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	55
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

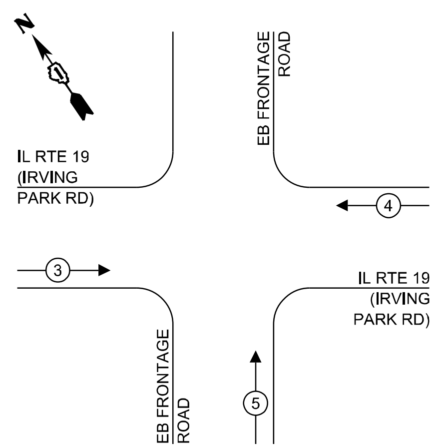
EXISTING CONTROLLER SEQUENCE

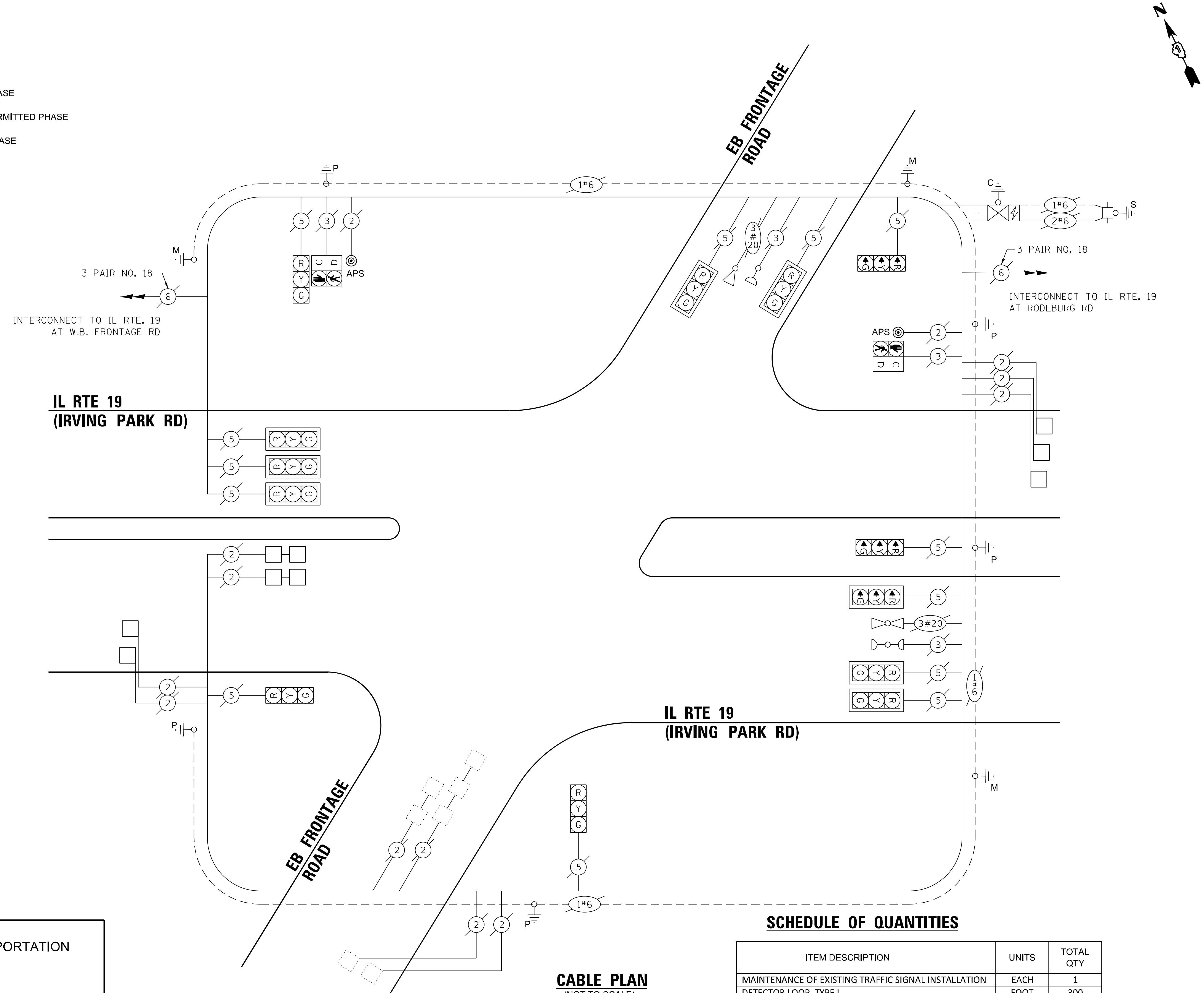


LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	13	11	143
4 - SECTION	-	14	-
5 - SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			348
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 =			953

ENERGY COSTS TO:
ILLINOIS DEPT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 02450-68017

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	300
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 21709
ECON 89

* COOK & DUPAGE

TS SHT NO. 16

FILE NAME: MI_2019\3 CHI\18+03+5500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 24-010_APS & Various tasks\62R58\CAD\62R58_Sheet_03b IL 19 at E Frontage.dgn

Sam Schwartz
200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	
	DRAWN - ERICA SALUTZ	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -	
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
IL RTE 19 (IRVING PARK RD) AT EB FRONTAGE ROAD

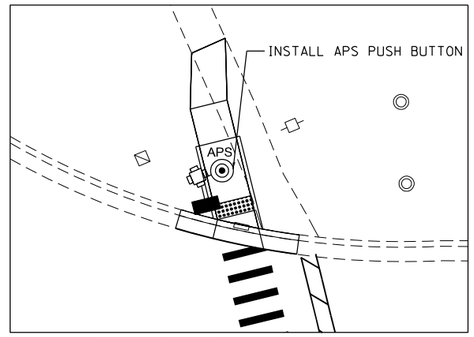
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	56

CONTRACT NO. 62R58

ILLINOIS FED. AID PROJECT

NORTHWEST CORNER



NORTHEAST CORNER

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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

REMOVE 4 PEDESTRIAN PUSH-BUTTON

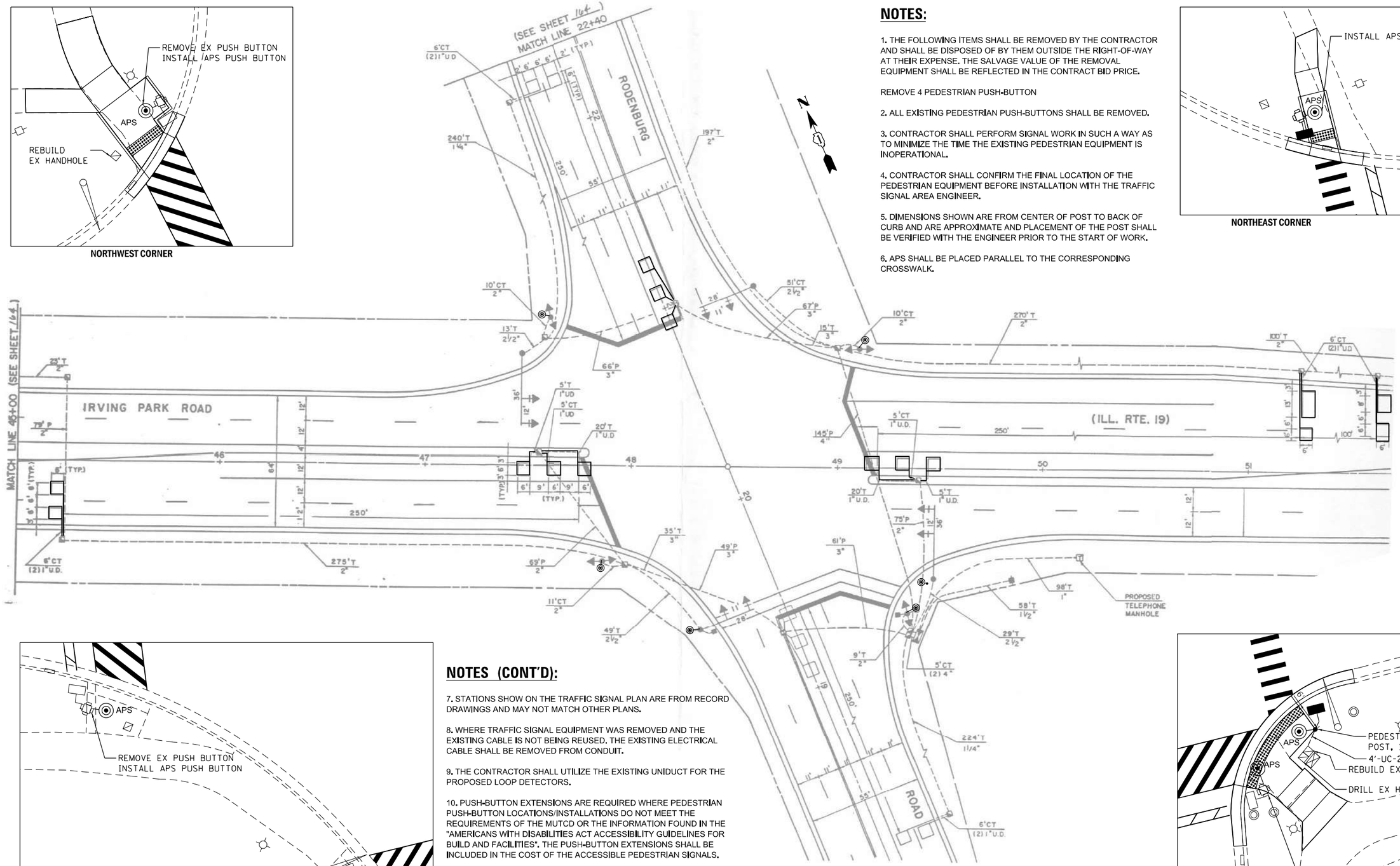
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

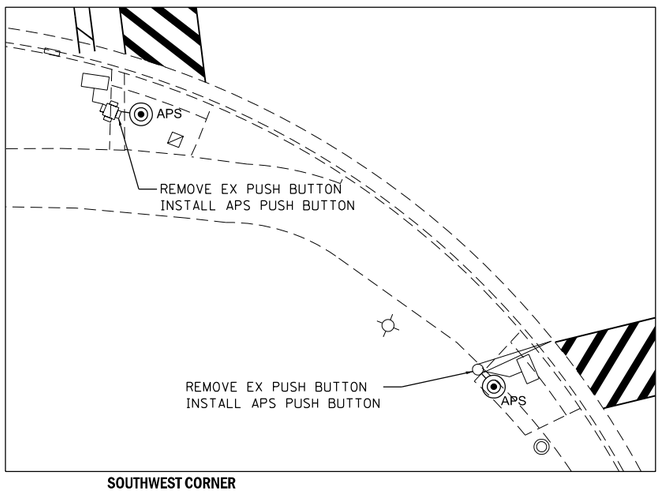
3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

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

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

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





SOUTHWEST CORNER

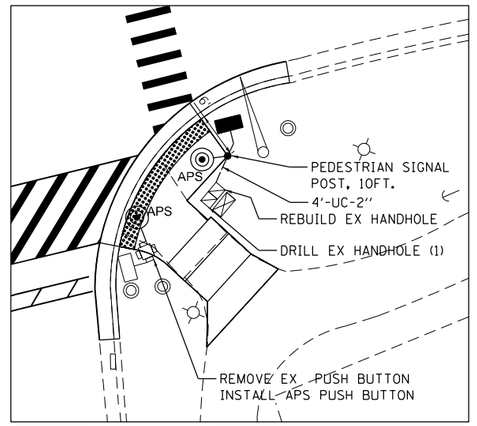
NOTES (CONT'D):

7. STATIONS SHOW ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.

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

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

10. PUSH-BUTTON EXTENSIONS 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 BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.



SOUTHEAST CORNER

TS 7635
ECON 158
* COOK & DUPAGE

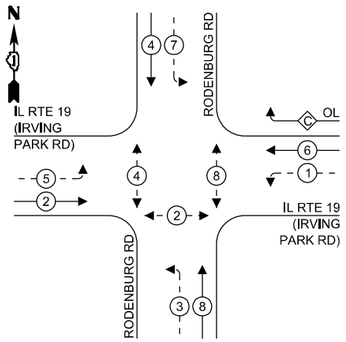
TS SHT NO. 17

FILE NAME: M:\2019\3 Chi\18-03500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 2\40\0_APS & Various tasks\62R58\CAD\62R58_Sheet_04_IL_19_at_Rodenburg.dgn

Sam Schwartz 200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800	USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 19 (IRVING PARK RD) AT RODENBURG RD
		DRAWN - ERICA SALUTZ	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	57
		CONTRACT NO. 62R58		
		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



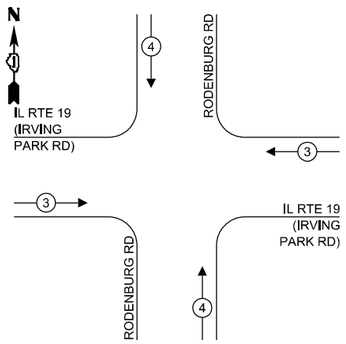
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

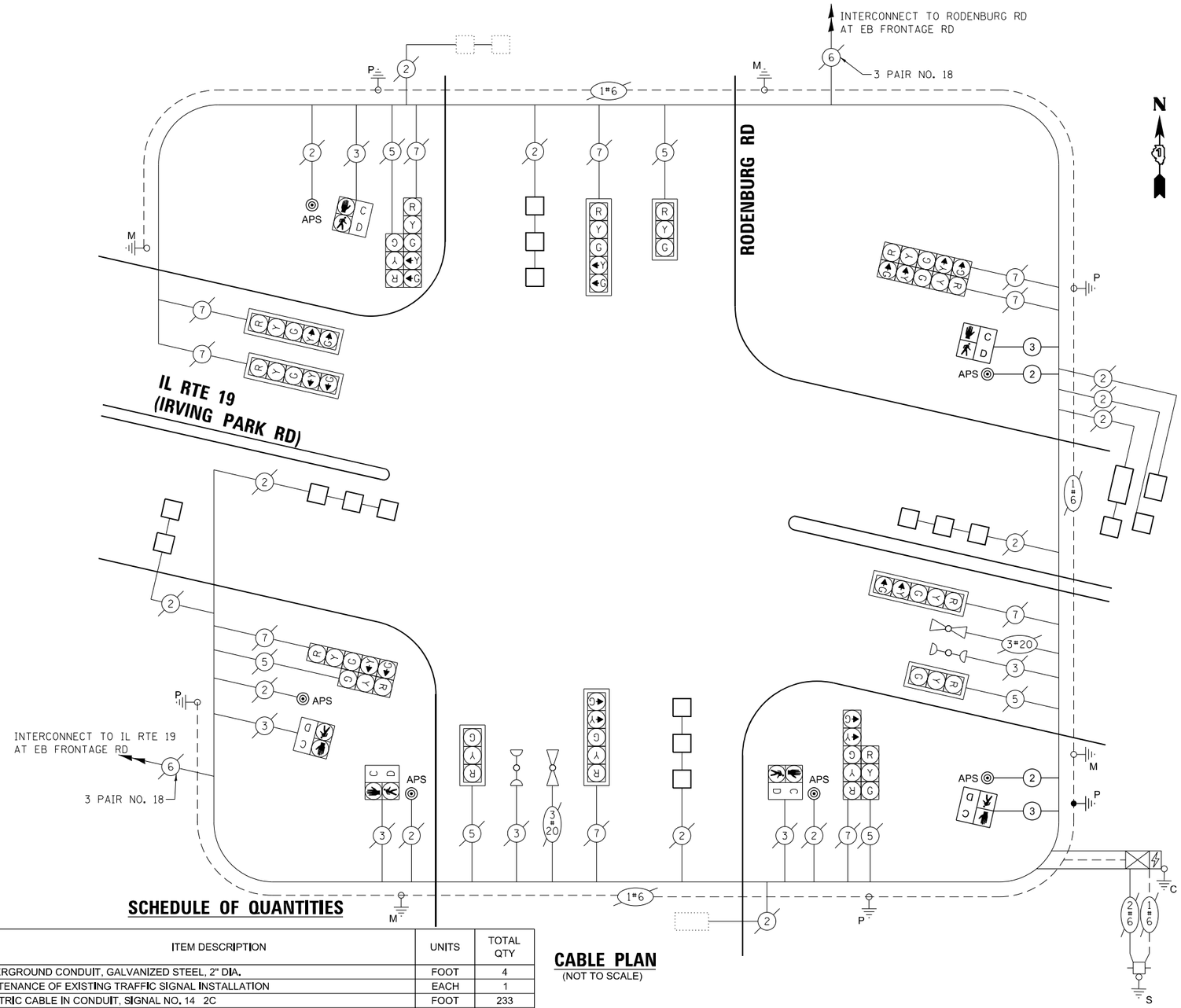


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	6	11	66
4 - SECTION	-	14	-
5 - SECTION	10	13	130
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			461
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 =			1066

ENERGY COSTS TO:
VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193-1878

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 02450-68017



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	233
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	247
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	15
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP, TYPE I	FOOT	510
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISITNG HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS SHT NO. 18

TS 7635
ECON 158
* COOK & DUPAGE

Sam Schwartz
200 S. WACKER
SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	
	DRAWN - ERICA SALUTZ	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -	
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -	

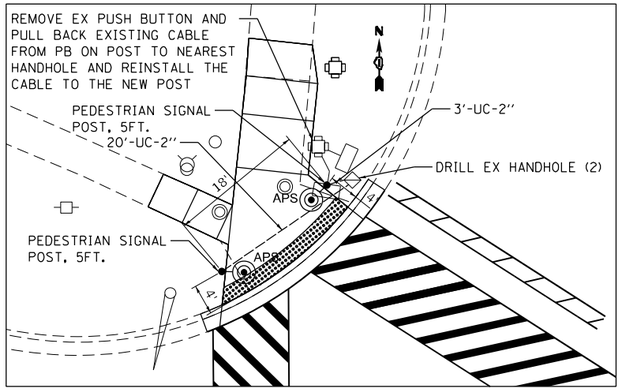
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
IL RTE 19 (IRVING PARK RD) AT RODENBURG RD

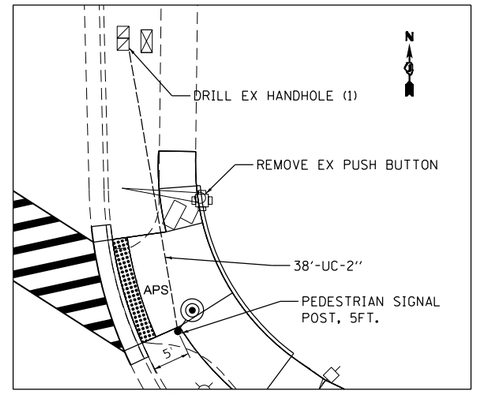
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	58
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

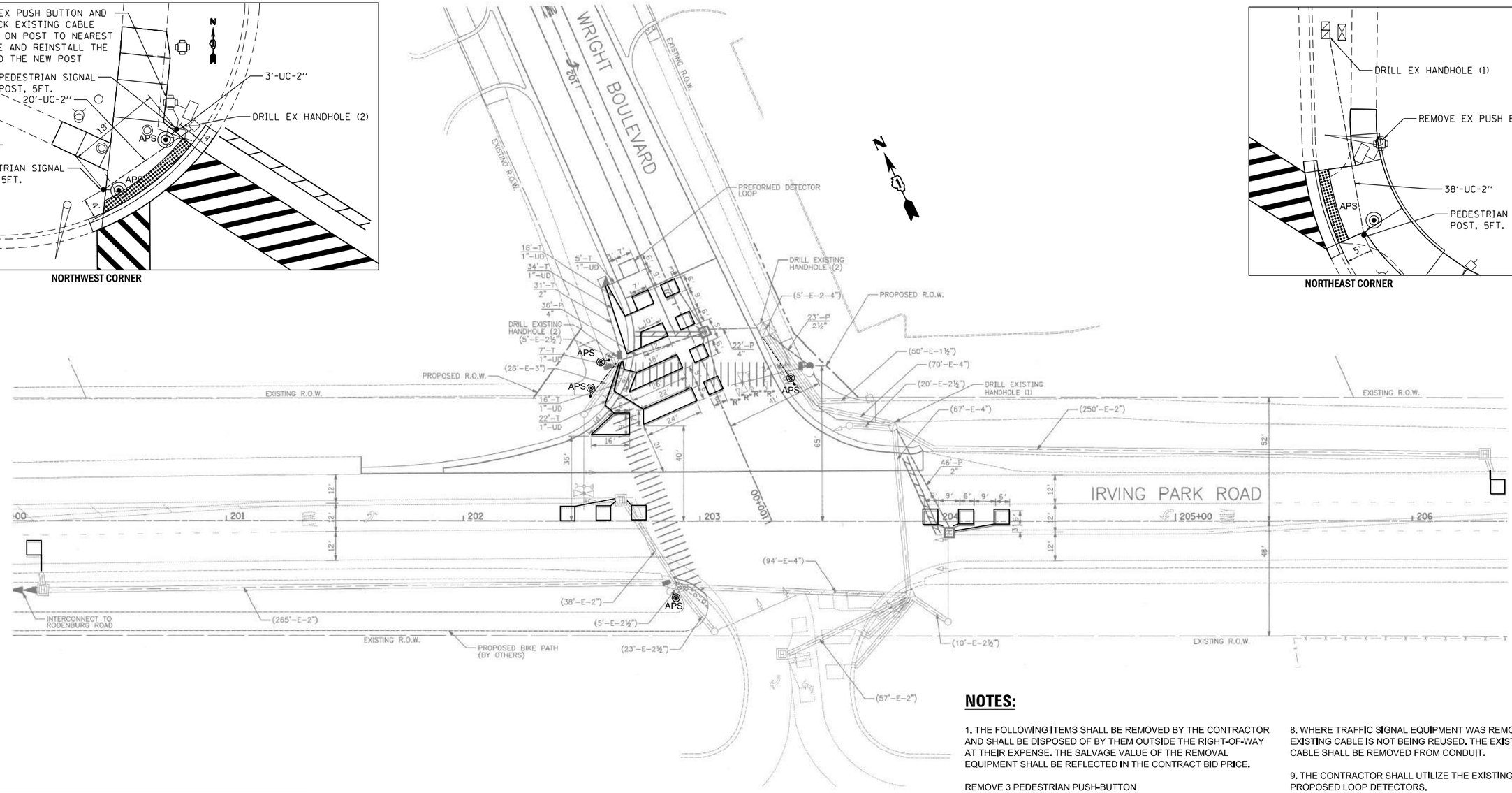
FILE NAME: M:\2019\CHI\19405500 ROOT PTB 190 - Various Traffic Signal Design Graphics\WO 24-10 APS & Various tasks\62R58\CAD\62R58_Sheet_04_IL_19 at Rodenburg.dgn

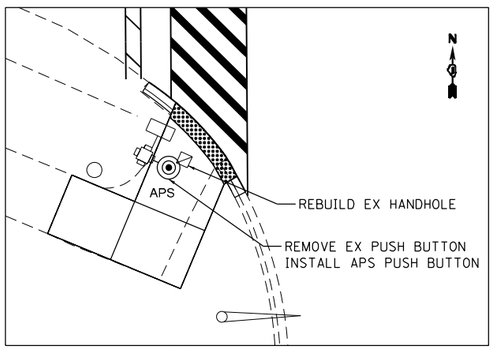


NORTHWEST CORNER



NORTHEAST CORNER





SOUTHWEST CORNER

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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

REMOVE 3 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 EQUIPMENT IS INOPERATIONAL.

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

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

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

7. STATIONS SHOW ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.

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

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

10. PUSH-BUTTON EXTENSIONS 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 BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

TS 7637

ECON 158

* COOK & DUPAGE

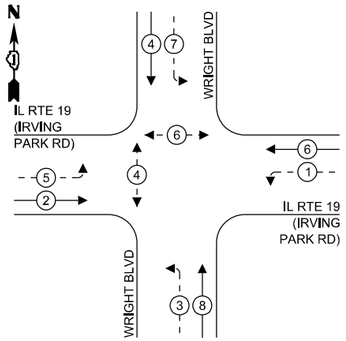
TS SHT NO. 19

FILE NAME: M:\2019\3 Chi\19-03500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 21-01\0_APS & Various tasks\62R58\CAD\62R58 Sheet_05_IL 19 at Wright.dgn

Sam Schwartz 200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800	USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 19 (IRVING PARK RD) AT WRIGHT BLVD
		DRAWN - ERICA SALUTZ	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -		
	PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	59
		CONTRACT NO. 62R58		
		ILLINOIS	FED. AID PROJECT	

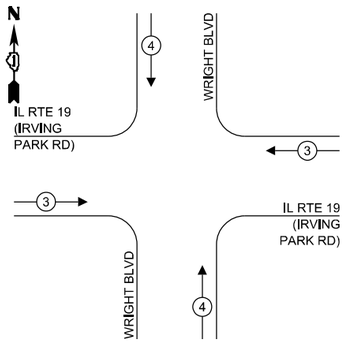
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

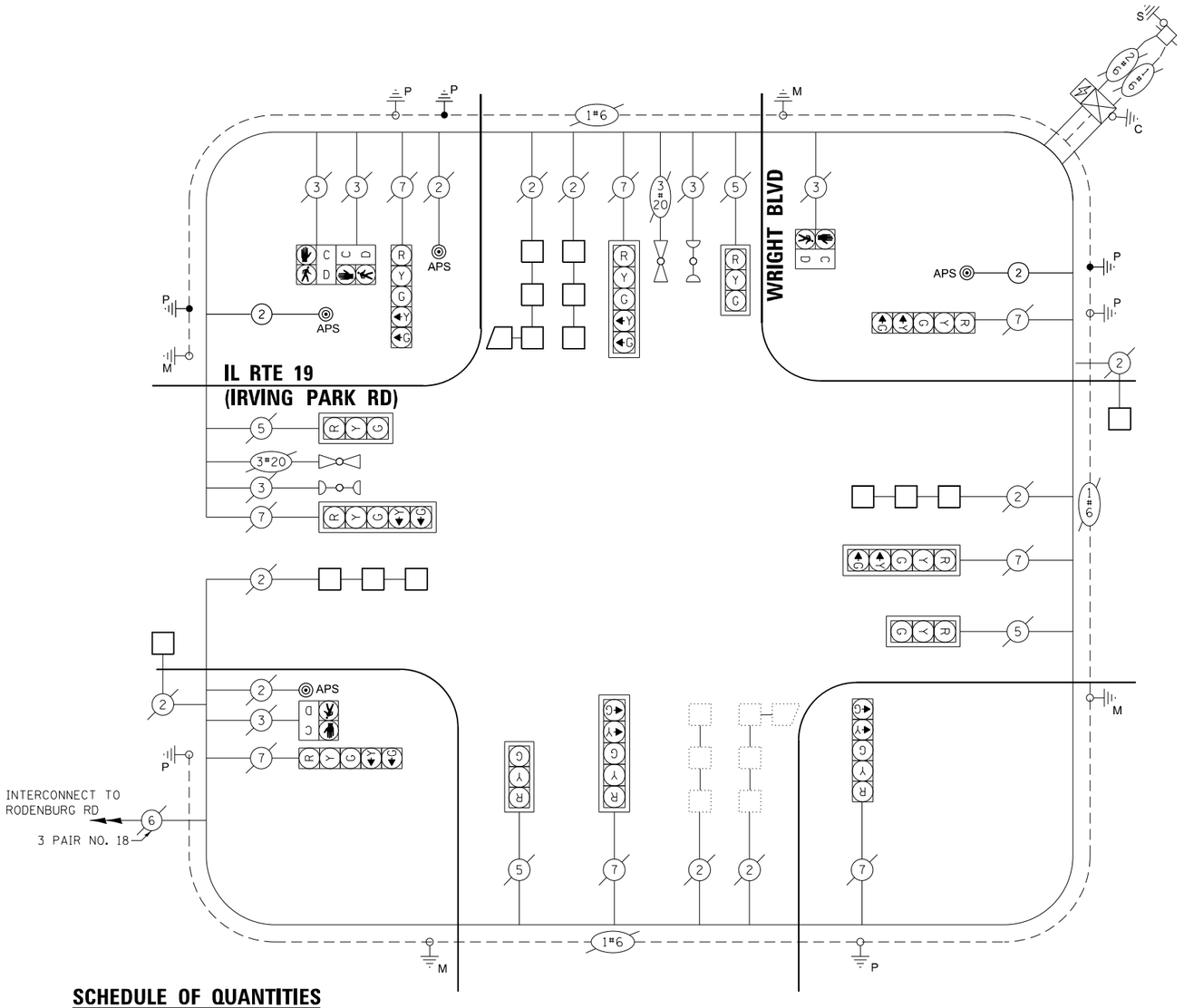


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	4	11	44
4 - SECTION	-	14	-
5 - SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
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:
VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193-1878

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 02450-68017



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	61
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	197
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	94
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	624
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	28
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS SHT NO. 20

TS 7637
ECON 158
* COOK & DUPAGE

Sam Schwartz
200 S. WACKER
SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

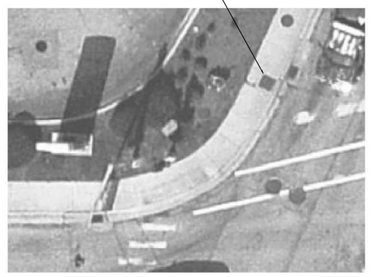
USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	
	DRAWN - ERICA SALUTZ	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -	
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
IL RTE 19 (IRVING PARK RD) AT WRIGHT BLVD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	60
		CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



REBUILD EXISTING HANDHOLE

SOUTHWEST CORNER

N

EXISTING INTERSECTION AND PROPOSED SAMPLING (SYSTEM) DETECTOR LOOPS

(65FT)

EXIST ROW

IL RTE. 19

EXIST ROW

180.7m-E-30mm

GAS STATION

SHELL GAS STATION

EXISTING INTERSECTION AND PROPOSED SAMPLING (SYSTEM) DETECTOR LOOPS

PROPOSED MASTER CONTROLLER AND FUTURE SUB-MASTER CONTROLLER LOCATION.

REBUILD EXISTING HANDHOLE

(157FT)

(95FT)

RESURFACING LIMIT

ROSELLE ROAD

EXIST R.O.W.

EXISTING INTERSECTION AND PROPOSED SAMPLING (SYSTEM) DETECTOR LOOPS

EXISTING RAILROAD INTERCONNECT TO CENTRAL AVE. (50mm)

METRA

3.0m - Y
50mm (TAIRFANED AND CAPPED)

31.3m - P
50mm (FOR RAILROAD)

4.6sq.m. SIDEWALK REMOVAL
4.6sq.m. PCC SIDEWALK 125mm

18.1m - P
50mm (FOR RAILROAD)

31.5m - P
50mm (FOR RAILROAD)

REBUILD EXISTING HANDHOLE

RESURFACING LIMIT

(95FT)

(157FT)

30.6m - P
50mm

EXIST R.O.W.

REBUILD EXISTING HANDHOLE

ROSELLE PUMPING STATION

8.0m - Y
50mm

(IRVING PARK ROAD)

EXIST R.O.W.

16.7m - P
50mm

AMERITECH

7.0sq.m. SIDEWALK REMOVAL
7.0sq.m. PCC SIDEWALK 125mm

37.6m - P
50mm

(10.0m-E(2)-25mm U.D.)

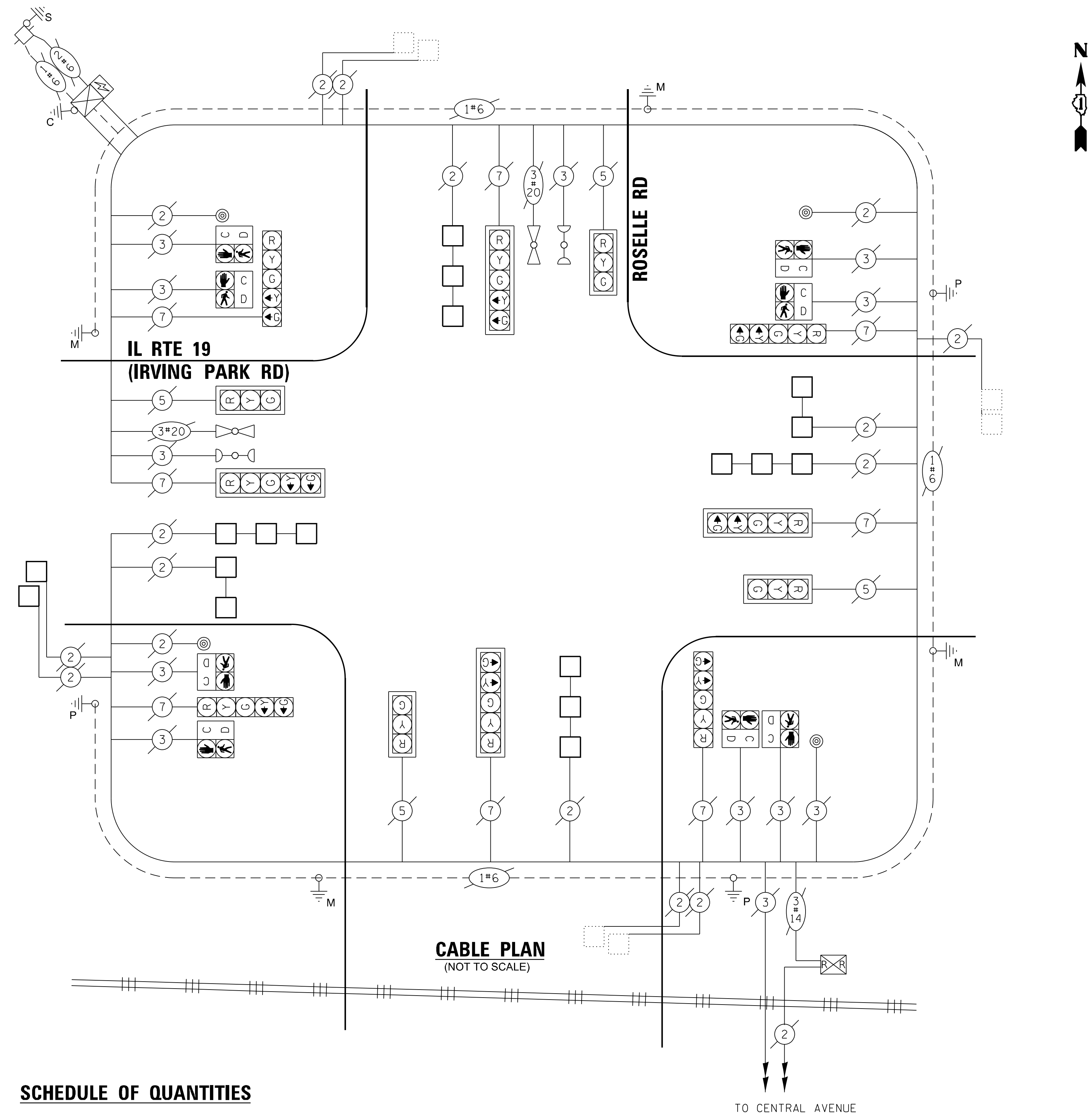
* COOK & DUPAGE **TS#9035**

TS SHT NO. 21

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

	USER NAME = $USER$	DESIGNED - Steven M. Nguyen	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN ILL RTE. 19 (IRVING PARK RD.) AT ROSELLE RD.
		DRAWN - Gonzalo Meza	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - Steven M. Nguyen	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
	PLOT DATE = $DATE$	DATE - 01/03/2024	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	61
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	4	11	44
4 - SECTION	-	14	-
5 - SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			443
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 =			1048

ENERGY COSTS TO:
ILLINOIS DEPT OF TRANSPORTATION
201 CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 02450-68017

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	569
REBUILD EXISTING HANDHOLE	EACH	4

TS SHT NO. 22

TS 9035

* COOK & DUPAGE

Sam Schwartz
200 S. WACKER
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CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	
	DRAWN - ERICA SALUTZ	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -	
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, AND SUMMARY OF QUANTITIES
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 RS	*	75	61A

CONTRACT NO. 62R58

ILLINOIS FED. AID PROJECT

SEQUENCE OF OPERATION

MOVEMENT N↑		1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17	18	19	20	21A	21B	22	23	24	25A	25B	26	27	28A	28B	F L A S H
PHASE		1+5				1+6			2+5			2+6				3+7				3+8					4+7					4+8				
INTERVAL		1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17	18	19	20	21A	21B	22	23	24	25A	25B	26	27	28A	28B	
CHANGE TO		\	1+6	2+5	2+6	θ \	θ \	2+6	θ \	θ \	2+6	\	\	3+7,3+8, 4+7,4+8		\	3+8	4+7	1+5, 1+6, 2+5, 2+6, 4+8	θ \	θ \	4+8	1+5,1+6 2+5,2+6		θ \	θ \	4+8	1+5,1+6 2+5,2+6		\	\	1+5,1+6 2+5,2+6		
IL ROUTE 19 (IRVING PARK ROAD) FAR RIGHT SIGNAL	E/B	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 19 (IRVING PARK ROAD) FAR LEFT AND END MAST ARM SIGNALS	E/B	R ←G	R ←Y	R ←G	R ←Y	R	R	R	G ←G	G ←G	G ←Y	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 19 (IRVING PARK ROAD) FAR RIGHT SIGNAL	W/B	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 19 (IRVING PARK ROAD) FAR LEFT AND END MAST ARM SIGNALS	W/B	R ←G	R ←G	R ←Y	R ←Y	G ←G	G ←G	G ←Y	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ROSELLE ROAD FAR RIGHT SIGNAL	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R
ROSELLE ROAD FAR LEFT AND END MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←G	R ←Y	R ←G	R ←Y	R	R	R	R	R	G ←G	G ←G	G ←Y	Y	R	G	G	Y	R	R
ROSELLE ROAD FAR RIGHT SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	G	G	R	R	R
ROSELLE ROAD FAR LEFT AND END MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←G	R ←G	R ←Y	R ←Y	G ←G	G ←G	G ←Y	Y	R	R	R	R	R	R	G	G	R	R	R
PEDESTRIAN SIGNALS CROSSING ROSELLE ROAD ON THE SOUTH SIDE OF IL ROUTE 19		H	H	H	H	H	H	H	P *	FH **	H	P *	FH **	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING ROSELLE ROAD ON THE NORTH SIDE OF IL ROUTE 19		H	H	H	H	P *	FH **	H	H	H	H	P *	FH **	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	D A
PEDESTRIAN SIGNALS CROSSING IL ROUTE 19 ON THE EAST SIDE OF ROSELLE RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	P *	FH **	H	H	H	H	H	H	H	H	P *	FH **	H	H	R K
PEDESTRIAN SIGNALS CROSSING IL ROUTE 19 ON THE WEST SIDE OF ROSELLE RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	P *	FH **	H	H	H	P *	FH **	H	H	

PHASES 2+6 SHALL BE PLACED ON RECALL

θ THIS WALK OR FLASHING DON'T WALK INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE THE WALK OR FLASHING DON'T WALK INTERVALS

* TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION

** FLASHING DON'T WALK IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE

P ILLUMINATED PERSON=WALK

DH ILLUMINATED FLASHING HAND=FLASHING DON'T WALK

H ILLUMINATED SOLID HAND=DON'T WALK

D DARK

2/15/2024

TS SHT NO. 23

* COOK & DUPAGE

TS 9035

Sam Schwartz 200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEQUENCE OF OPERATION CHARTS (SHEET 1 OF 3)
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 RS	*	75	61B

CONTRACT NO. 62R58

ILLINOIS FED. AID PROJECT

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		5			8		8			11	11			14	18			18		22			22		26			26	NUMBER 3	NUMBER 4	
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			<>
IL ROUTE 19 (IRVING PARK ROAD) E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
IL ROUTE 19 (IRVING PARK ROAD) E/B FAR LEFT AND END MAST ARM SIGNALS	R ←Y	R	R	R	R	R	G ←G	G ←Y	G ←G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
IL ROUTE 19 (IRVING PARK ROAD) W/B FAR RIGHT SIGNAL	R	G	G	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
IL ROUTE 19 (IRVING PARK ROAD) W/B FAR LEFT AND END MAST ARM SIGNALS	R ←Y	G ←G	G ←Y	G ←G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
ROSELLE ROAD S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	<>
ROSELLE ROAD S/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←Y	R	R	R	R	R	G ←G	Y	R	G ←G	G ←Y	G	Y	R	G	R	G	<>
ROSELLE ROAD N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	R	R	R	R	R	G	Y	R	G	R	G	<>
ROSELLE ROAD N/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←Y	G ←G	Y	R	G ←G	G ←Y	R	R	R	R	R	G	Y	R	G	R	G	<>
PEDESTRIAN SIGNALS CROSSING ROSELLE ROAD ON THE SOUTH SIDE OF IL ROUTE 19	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	<>
PEDESTRIAN SIGNALS CROSSING ROSELLE ROAD ON THE NORTH SIDE OF IL ROUTE 19	H	FH	H	FH	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	<>
PEDESTRIAN SIGNALS CROSSING IL ROUTE 19 ON THE EAST SIDE OF ROSELLE RD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	FH	H	H	FH	H	H	<>
PEDESTRIAN SIGNALS CROSSING IL ROUTE 19 ON THE WEST SIDE OF ROSELLE RD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	FH	H	H	FH	H	H	<>

Created: 2/15/2024

<> EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION AND PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

TS SHT NO. 24

TS 9035

* COOK & DUPAGE

Sam Schwartz 200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEQUENCE OF OPERATION CHARTS (SHEET 2 OF 3)
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 RS	*	75	61C
		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		

RAILROAD PREEMPTION SEQUENCE OF OPERATION

														PREEMPTER NUMBER 3		PREEMPTER NUMBER 4		PREEMPTER NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1	5		8		11		14	18	22		26									
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER														2		3						
RAILROAD PREEMPTION INTERVAL		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE INTERVAL NUMBER		2	1C	2	1E	2	1G	2	2	2	1L	2	1N	2	1Q	2	1S	2	3	4	5		
IL ROUTE 19 (IRVING PARK ROAD) FAR RIGHT SIGNAL	E/B	R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	Δ
IL ROUTE 19 (IRVING PARK ROAD) FAR LEFT AND END MAST ARM SIGNALS	E/B	R ←Y	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	Δ
IL ROUTE 19 (IRVING PARK ROAD) FAR RIGHT SIGNAL	W/B	R	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	Δ
IL ROUTE 19 (IRVING PARK ROAD) FAR LEFT AND END MAST ARM SIGNALS	W/B	R ←Y	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	Δ
ROSELLE ROAD FAR RIGHT SIGNAL	S/B	R	R	R	R	R	R	R	R	R	Y	R	Y	R	R	R	Y	R	R	R	R	R	Δ
ROSELLE ROAD FAR LEFT AND END MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R ←G	R	Y	R	Y	R	R	R	Y	R	R	R	R	R	Δ
ROSELLE ROAD FAR RIGHT SIGNAL	N/B	R	R	R	R	R	R	R	R	G	R	R	G	G	R	R	G	R	G	Y	R	R	Δ
ROSELLE ROAD FAR LEFT AND END MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R	R ←Y	G ←G	R	R	G	G	R	R	G	R	G ←G	Y	R	R	Δ
PEDESTRIAN SIGNALS CROSSING ROSELLE ROAD ON THE SOUTH SIDE OF IL ROUTE 19		H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ
PEDESTRIAN SIGNALS CROSSING ROSELLE ROAD ON THE NORTH SIDE OF IL ROUTE 19		H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ
PEDESTRIAN SIGNALS CROSSING IL ROUTE 19 ON THE EAST SIDE OF ROSELLE RD		H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	Δ
PEDESTRIAN SIGNALS CROSSING IL ROUTE 19 ON THE WEST SIDE OF ROSELLE RD		H	H	H	H	H	H	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	Δ
																						HOLD	

Δ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMIANTED.

2/15/2024

TS SHT NO. 25

TS 9035

* COOK & DUPAGE

Sam Schwartz
200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800

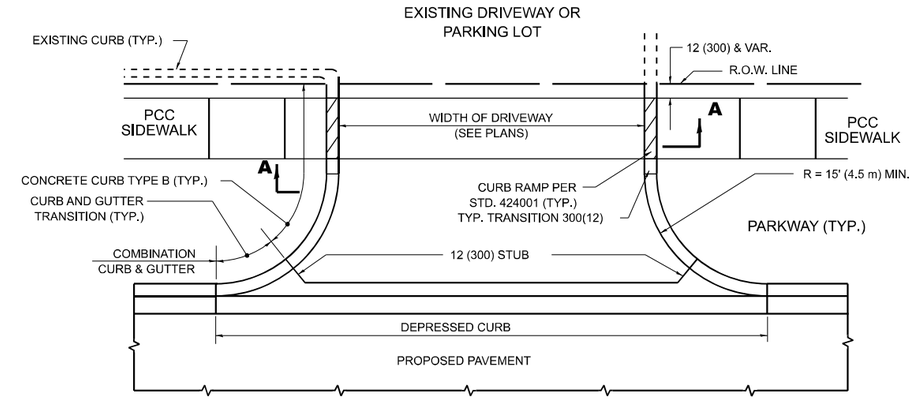
USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -	
	DRAWN - ERICA SALUTZ	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -	
PLOT DATE = 1/22/2025	DATE - 01/21/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

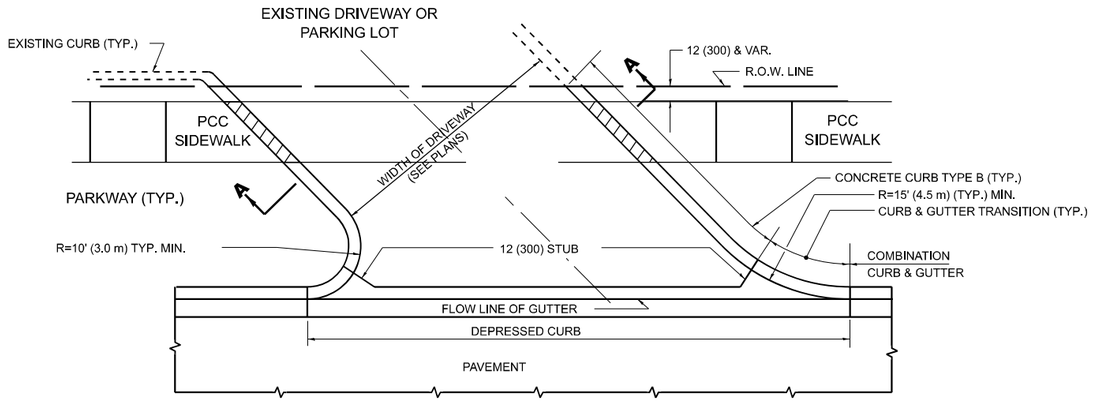
SEQUENCE OF OPERATION CHARTS (SHEET 3 OF 3)
IL RTE 19 (IRVING PARK RD) AT ROSELLE RD

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

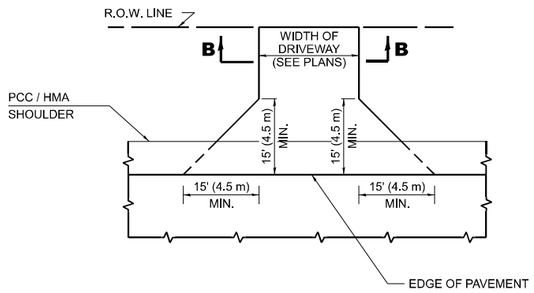
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	*	75	61D
		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			



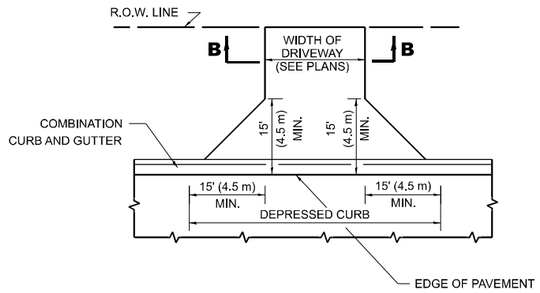
WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B

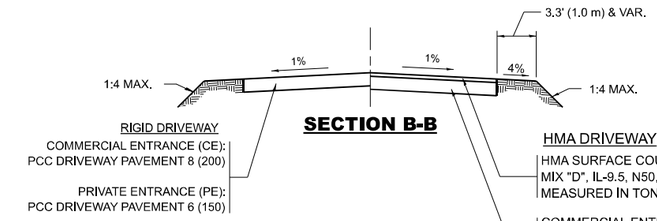


ADJACENT TO PCC / HMA SHOULDER



ADJACENT TO CURB AND GUTTER

SECTION A-A



SECTION B-B

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.

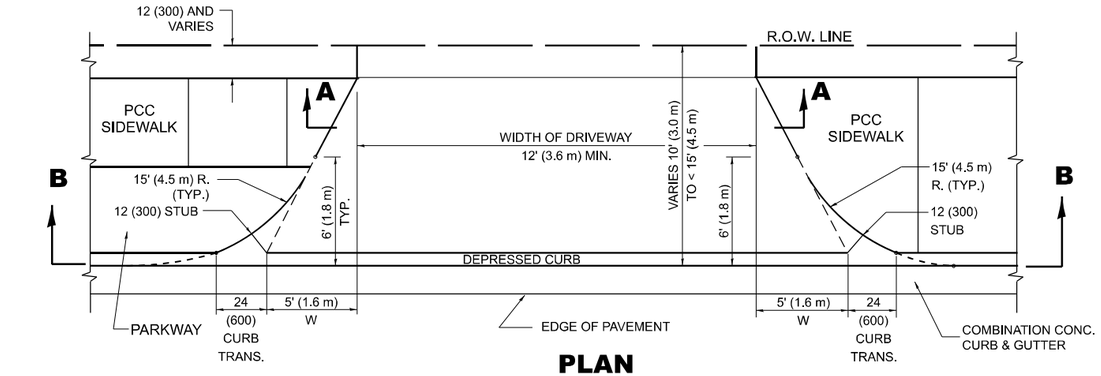
USER NAME = eric.l.thomas	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08	
	DRAWN -	REVISED - R. BORO 09-06-11	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - K. SMITH 08-28-19	
PLOT DATE = 8/30/2023	DATE - 11-04-95	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

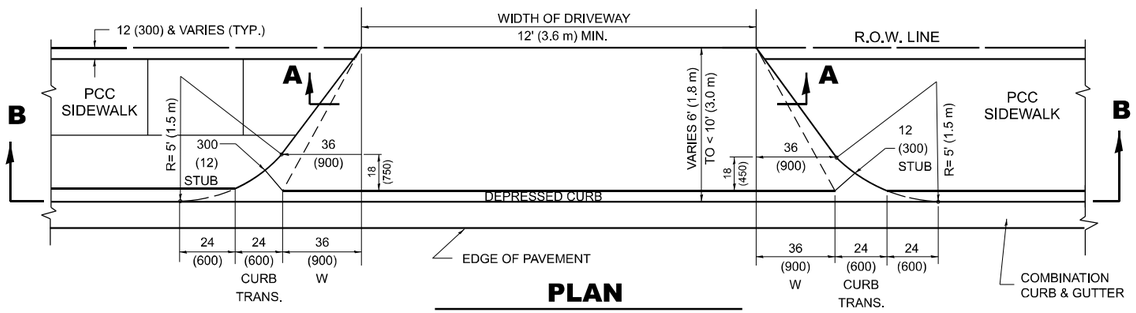
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	62
BD400-01 (BD-01)		CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			



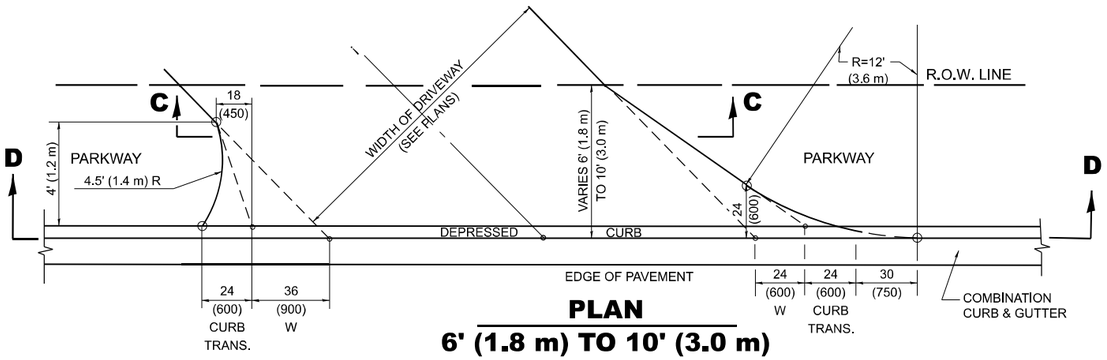
PLAN

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



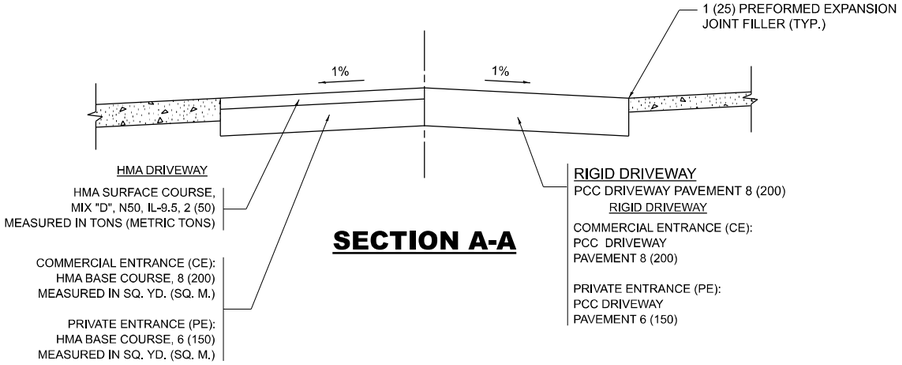
PLAN

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

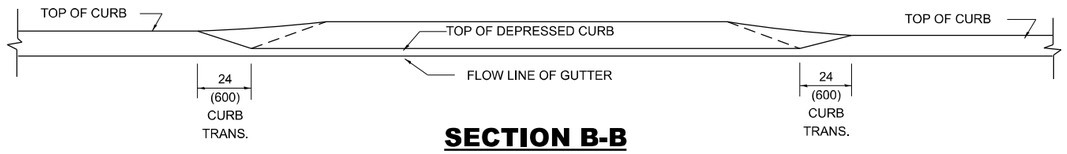


PLAN

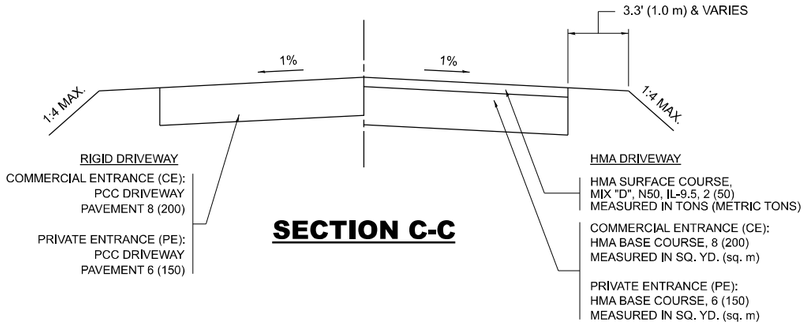
6' (1.8 m) TO 10' (3.0 m)



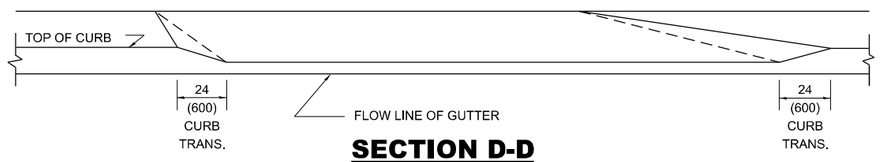
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

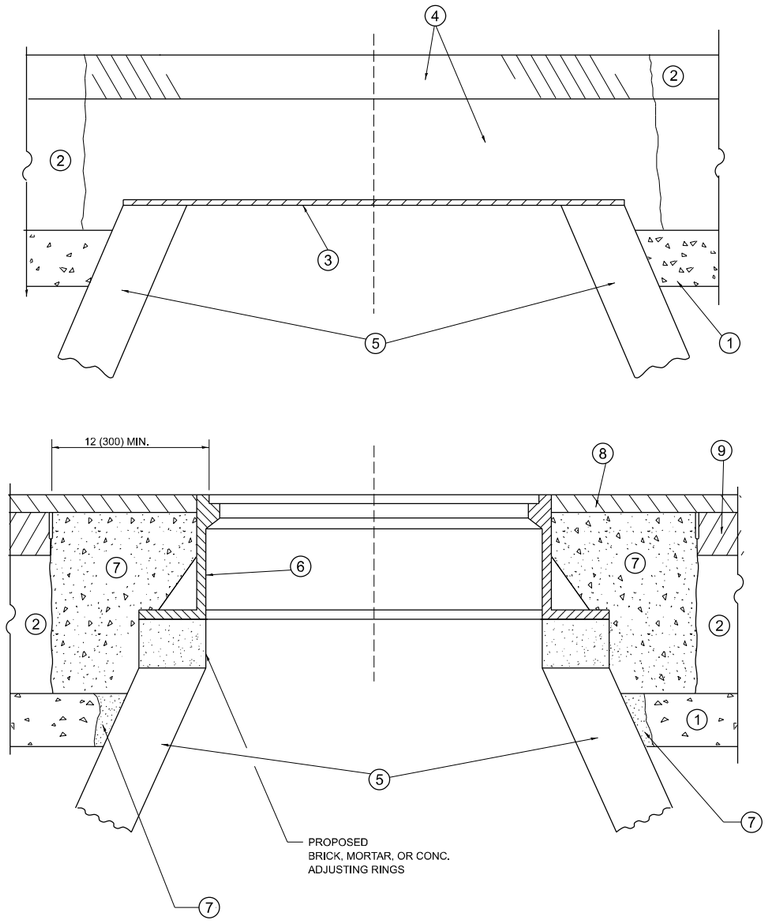
GENERAL NOTES

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.

MODEL: Plan Single [Sheet]
FILE NAME: \\illinois.gov\DOT\Users\COTHOMASEL\My Documents\Bentley\CONNECT1012\Organization~Civil\IDOT_Standards\Dgnlib\Sheet Seets\Civil_Named_Boundary_SheetSeeds.dgnlib

USER NAME = Eric.L.Thomas	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)**	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. BORO 09-06-11			1321	FAU 1321 22 RS	COOK & DUPAGE	75	63
	CHECKED -	REVISED - K. SMITH 08-27-19			**BD400-01 (BD-02)**		CONTRACT NO. 62R58		
PLOT DATE = 8/20/2024	DATE - 11-06-95	REVISED - K. SMITH 11-18-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			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

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USER NAME = Eric.L.Thomas	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	
	DRAWN -	REVISED - R. BORO 12-06-11			
	CHECKED -	REVISED - K. SMITH 11-18-22			
PLOT DATE = 8/20/2024	DATE - 10-25-94	REVISED - K. SMITH 09-15-23		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

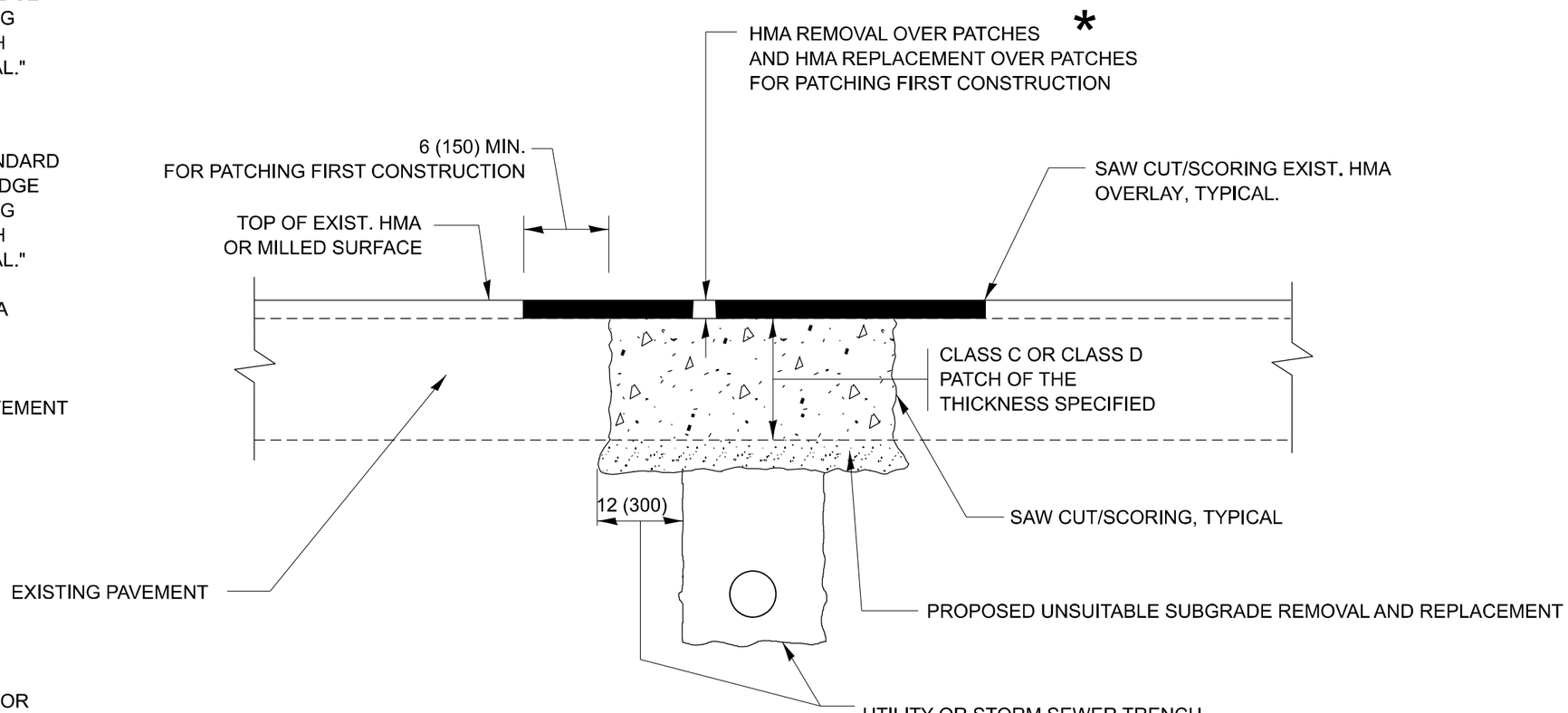
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	64
BD600-03 (BD-08)		CONTRACT NO. 62R58		
ILLINOIS	FED. AID PROJECT			

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 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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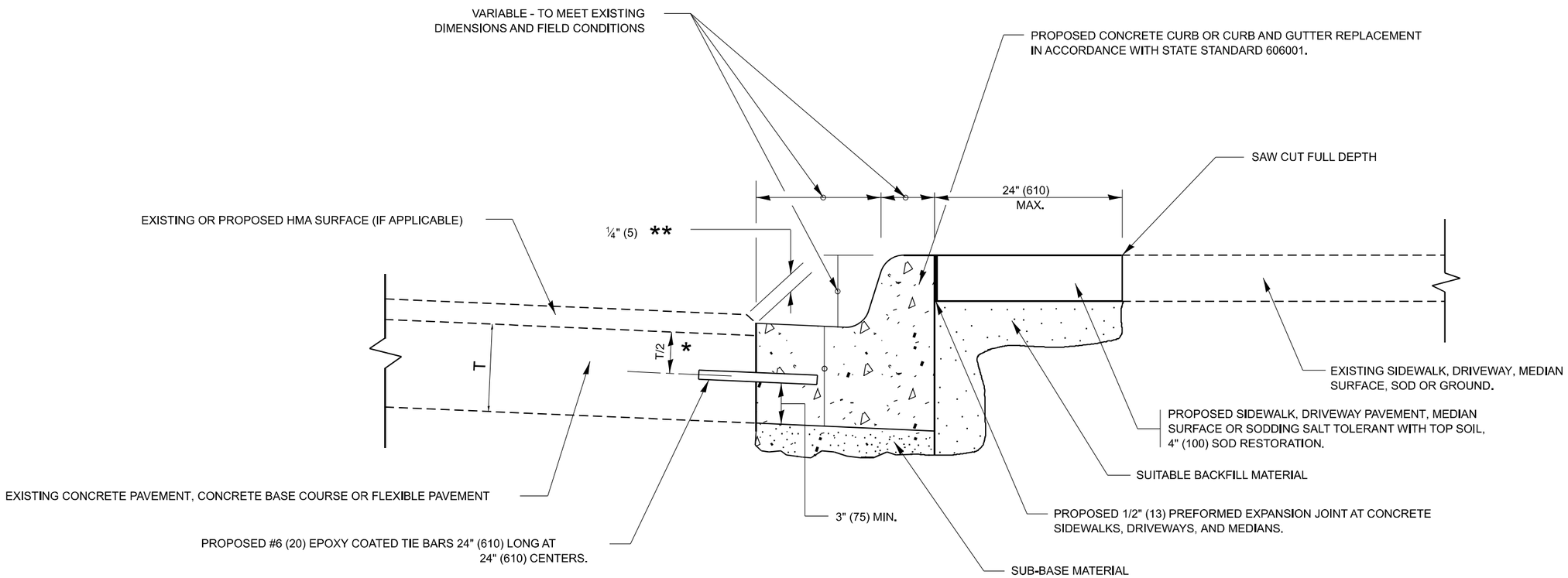
USER NAME = Eric.L.Thomas | DESIGNED - R. SHAH | REVISED - R. BORO 01-01-07
DRAWN - | REVISED - R. BORO 09-04-07
CHECKED - | REVISED - K. ENG 10-27-08
PLOT DATE = 8/20/2024 | DATE - 10-25-94 | REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	65
	BD400-04 (BD-22)	CONTRACT NO. 62R58		
	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.

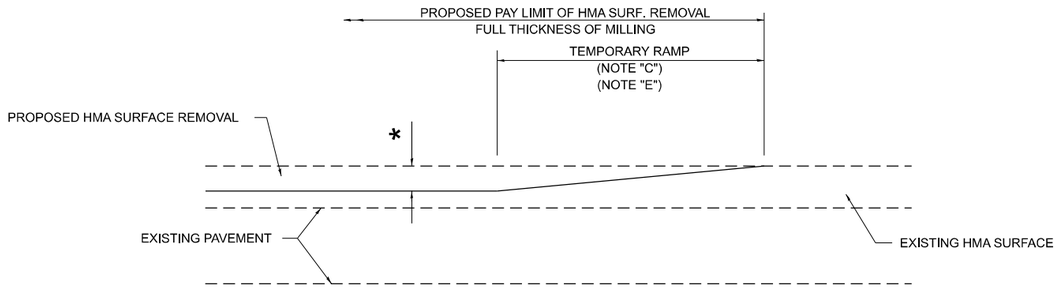
USER NAME = Eric.L.Thomas	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 01-22-01	
	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 8/20/2024	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

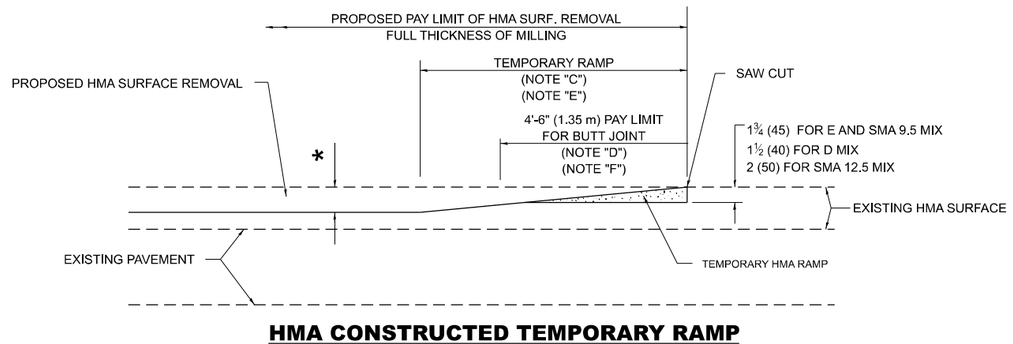
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	66
	BD600-06 (BD-24)	CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

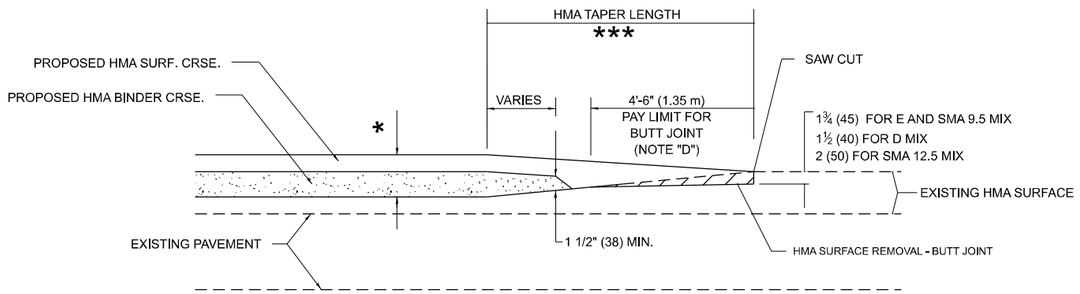


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

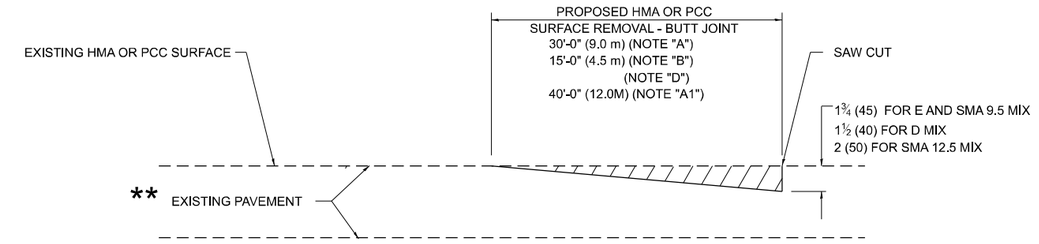
OPTION 2

TYPICAL TEMPORARY RAMP

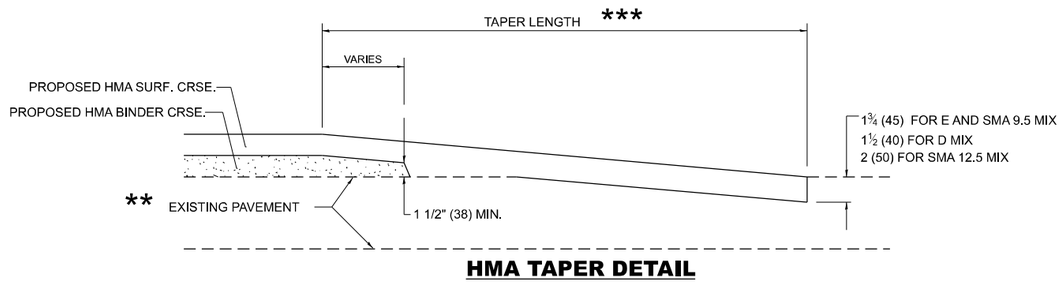


BUTT JOINT AND HMA TAPER

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

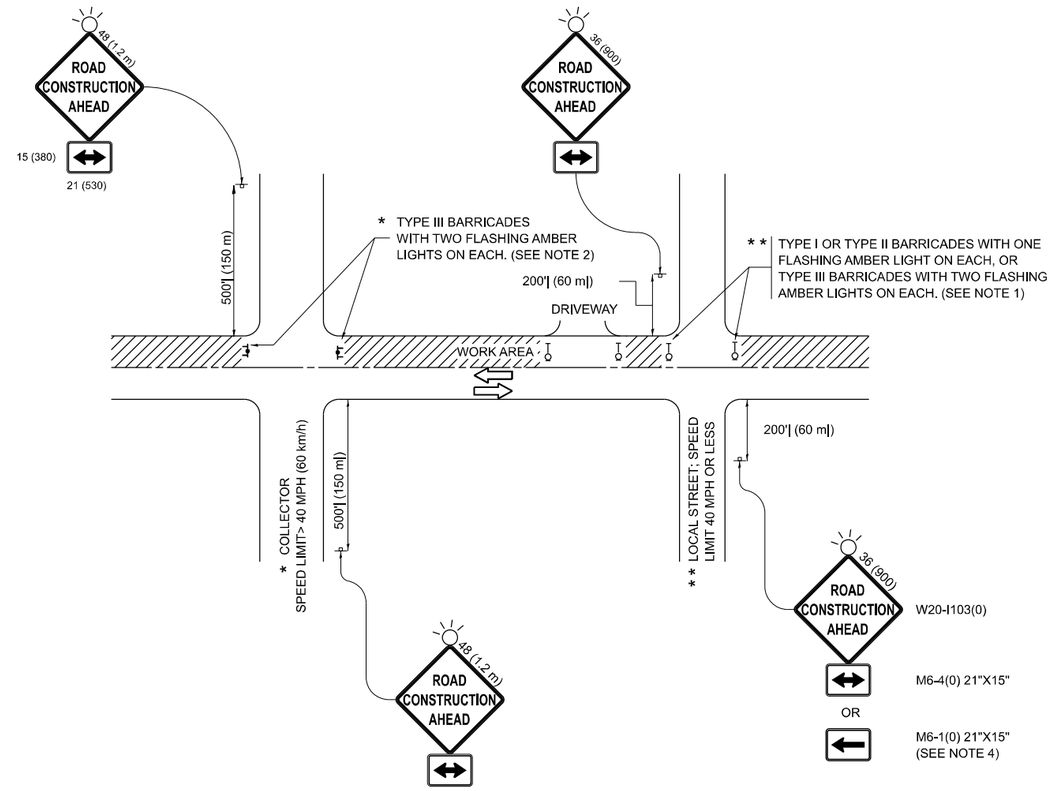
1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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.

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			
	CHECKED -	REVISED - R. BORO 01-01-07			
PLOT DATE = 8/20/2024	DATE - 06-13-90	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 RS	COOK & DUPAGE	75	67
	BD400-05 BD-32	CONTRACT NO. 62R58		
	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.

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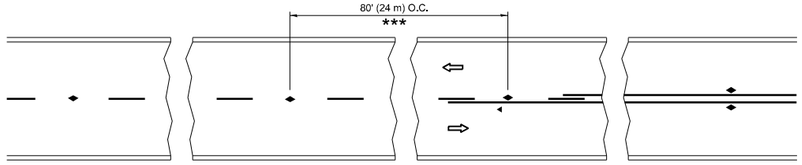
USER NAME = Eric.L.Thomas	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
	CHECKED -	REVISED - A. SCHUETZE 09-15-06	
PLOT DATE = 8/20/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

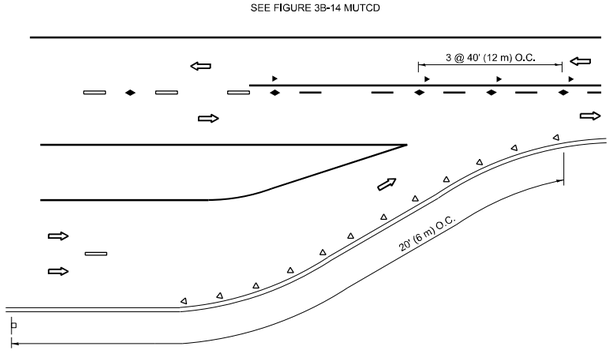
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	68
	TC-10	CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			

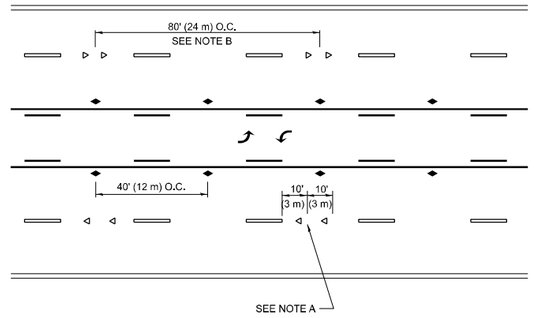


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

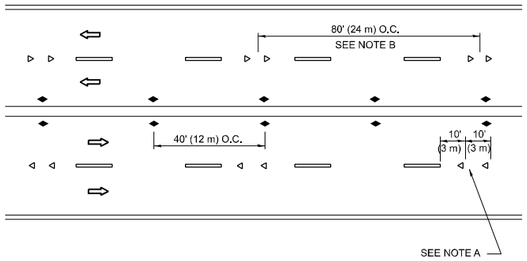
TWO-LANE/TWO-WAY



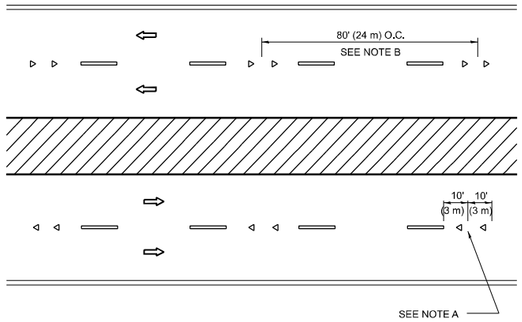
LANE REDUCTION TRANSITION



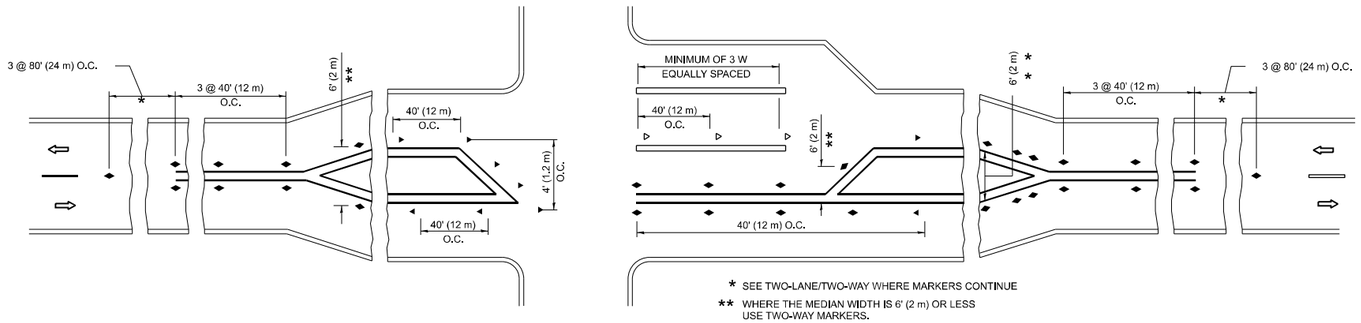
TWO-WAY LEFT TURN



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.

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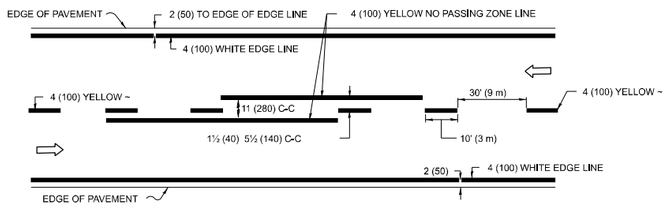
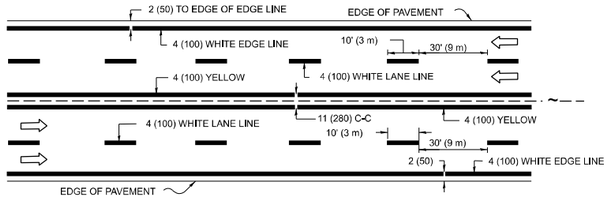
USER NAME = Eric.L.Thomas	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00			
	CHECKED -	REVISED - C. JUCIUS 09-09-09			
PLOT DATE = 8/20/2024	DATE -	REVISED - C. JUCIUS 07-01-13		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

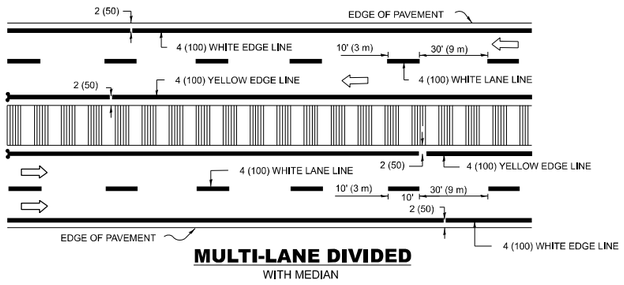
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	69
	TC-11	CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			



2-LANE ROADWAY

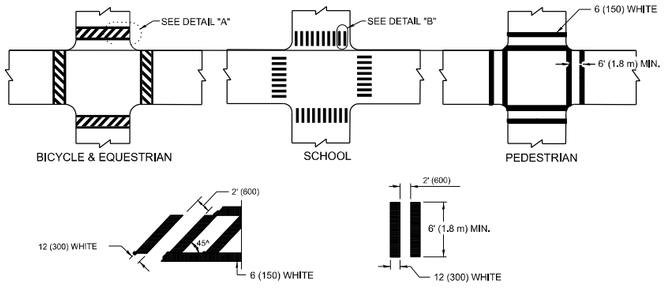


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

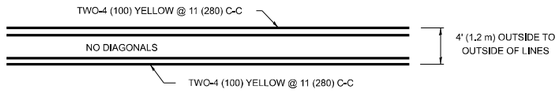
TYPICAL LANE AND EDGE LINE MARKING



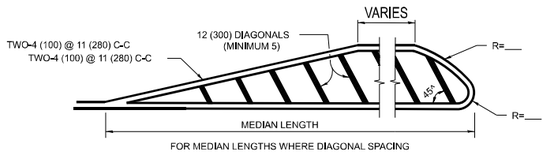
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



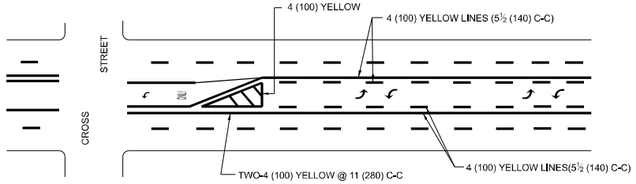
4' (1.2 m) WIDE MEDIANS ONLY



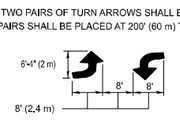
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

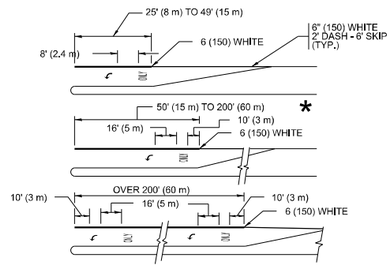


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

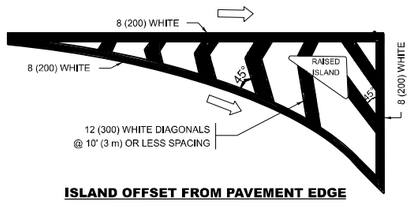


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
AREA = 15,6 SQ. FT. (1,5 m²) ONLY AREA = 20,8 SQ. FT. (1,9 m²)

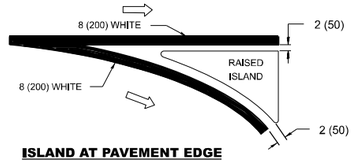
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

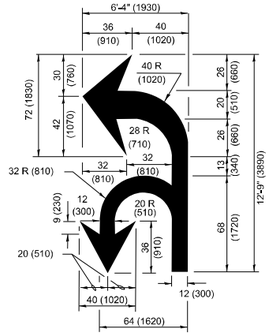


ISLAND OFFSET FROM PAVEMENT EDGE

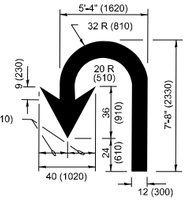


ISLAND AT PAVEMENT EDGE

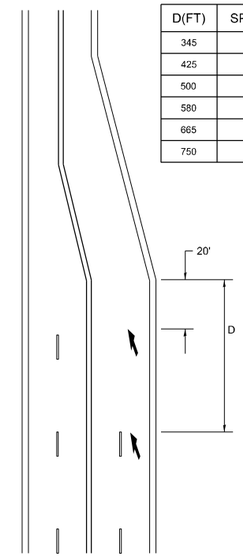
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION

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

* 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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USER NAME = Eric.L.Thomas	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS	
	DRAWN -	REVISED - C. JUCIUS 07-01-13			
	CHECKED -	REVISED - C. JUCIUS 12-21-15			
PLOT DATE = 8/20/2024	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	70
TC-13		CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

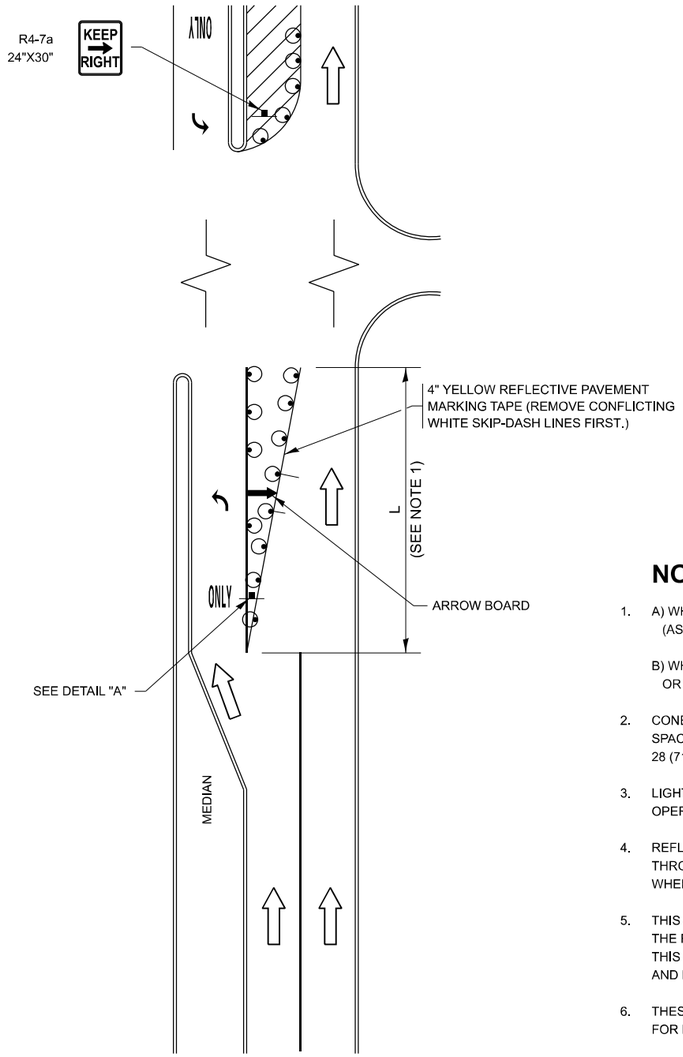


FIGURE 1

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-I100R 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

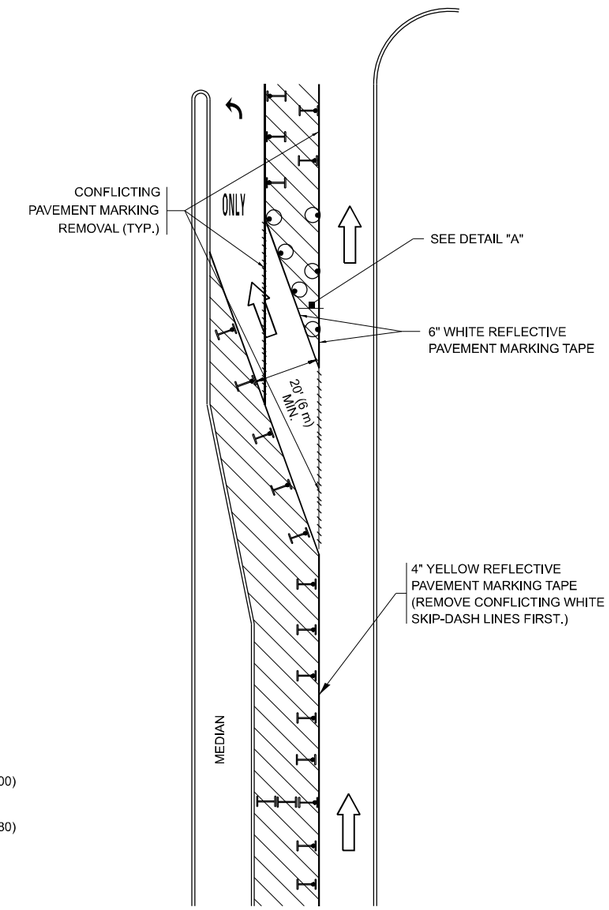
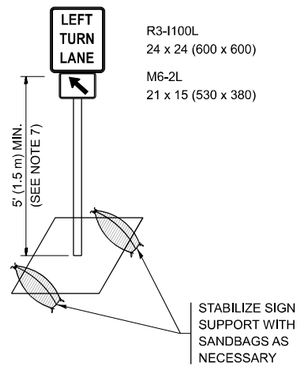


FIGURE 2



DETAIL A

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

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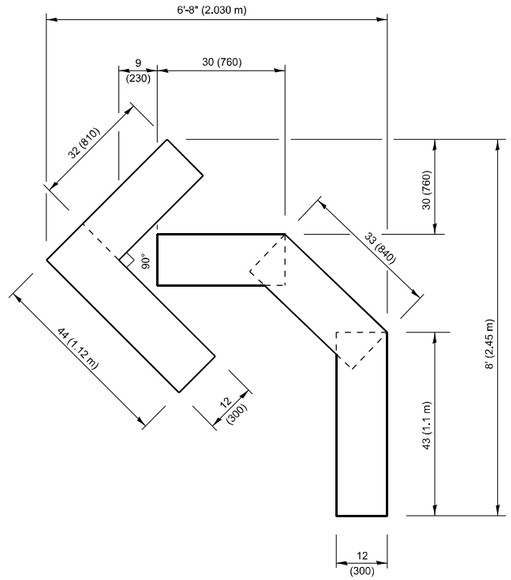
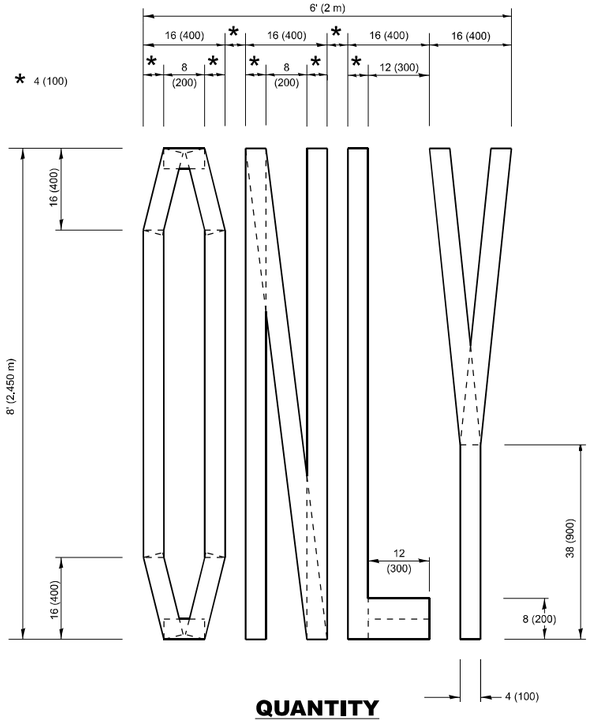
USER NAME = Eric.L.Thomas	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13			
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			
PLOT DATE = 8/20/2024	DATE - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. / TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	71
	TC-14	CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		



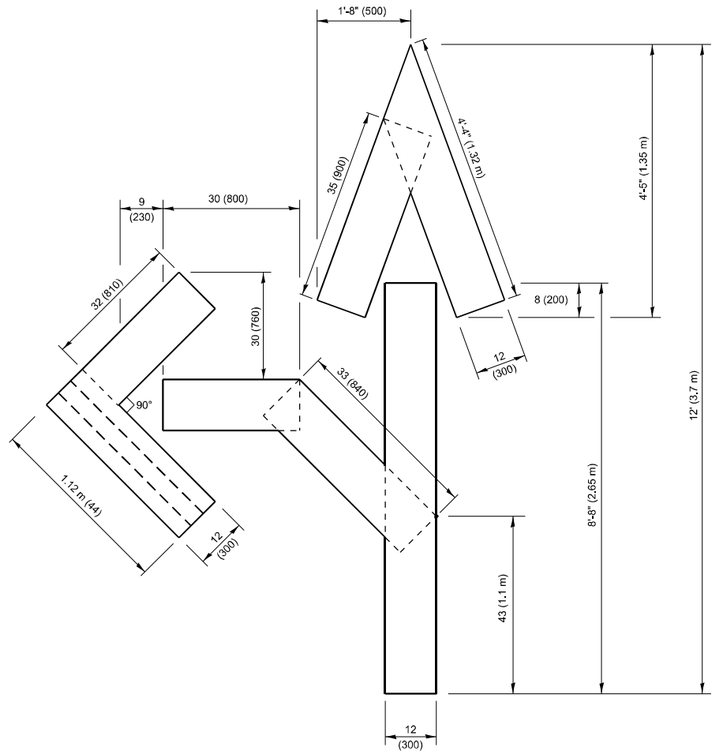
QUANTITY

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



QUANTITY

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

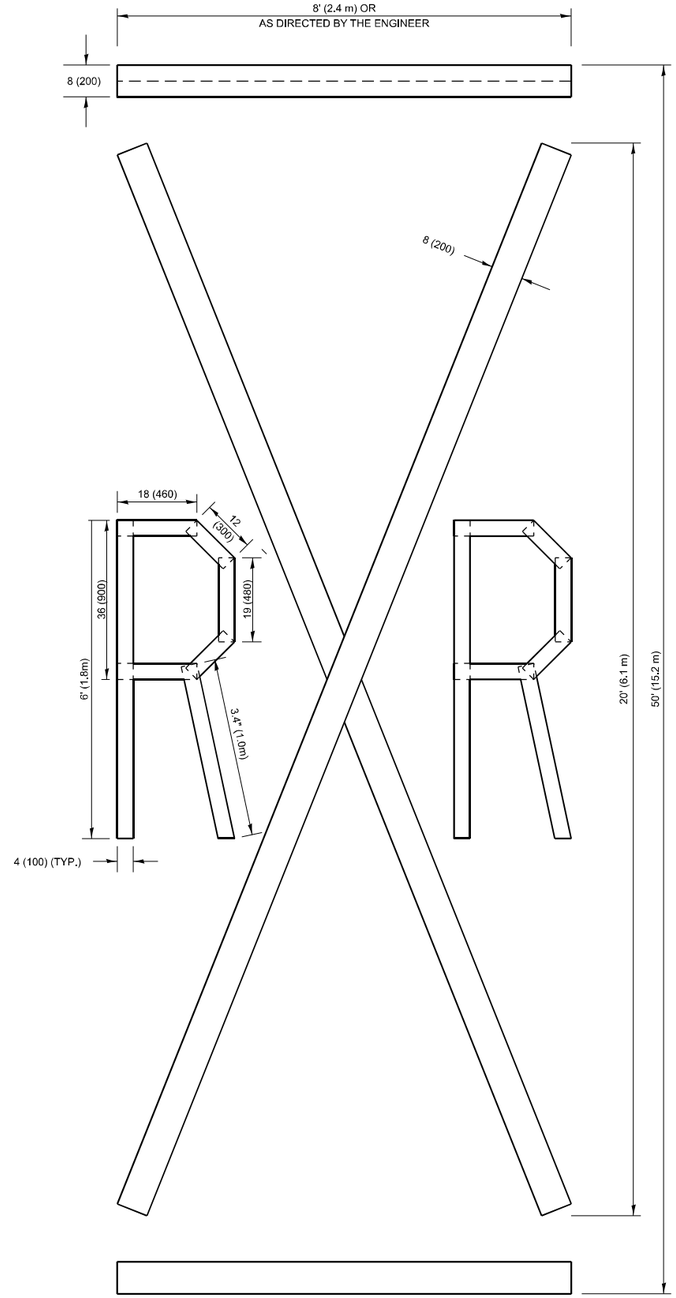


QUANTITY

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

NOTE:

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



QUANTITY

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

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

USER NAME = Eric.L.Thomas	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 8/20/2024	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 RS	COOK & DUPAGE	75	72
	TC-16	CONTRACT NO. 62R58		
		ILLINOIS	FED. AID PROJECT	

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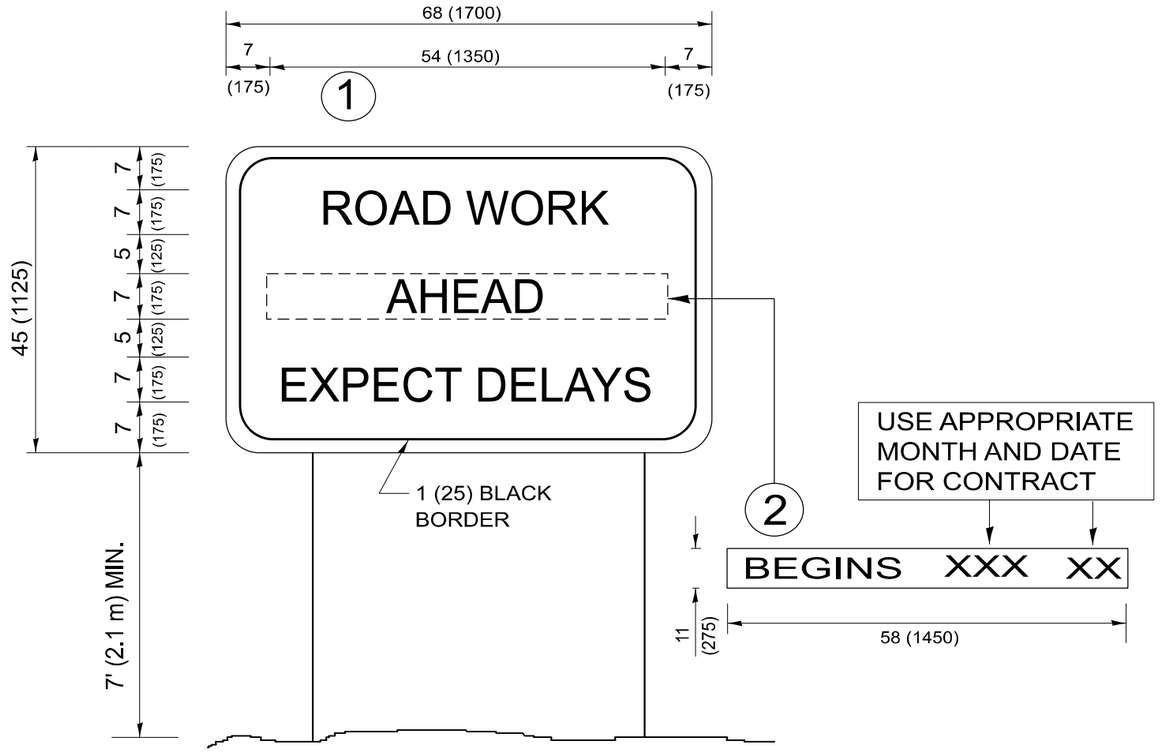

NOTES:

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.

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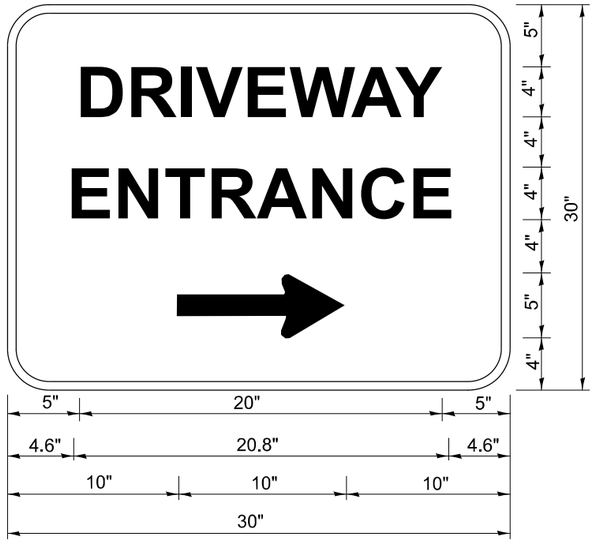
USER NAME = Eric.L.Thomas	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = 8/20/2024	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	73
	TC-22	CONTRACT NO. 62R58		
	ILLINOIS FED. AID PROJECT			



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

NOTES:

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

USER NAME = Eric.L.Thomas	DESIGNED -	REVISED - C. JUCIUS 02-15-07	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

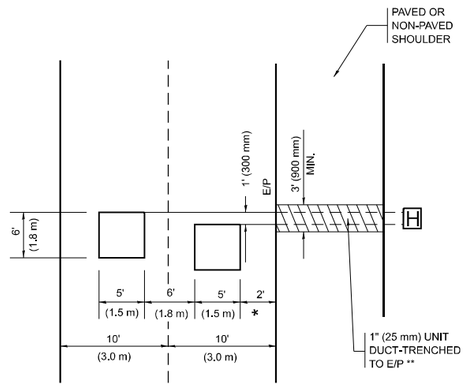
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	74
	TC-26	CONTRACT NO. 62R58		
		ILLINOIS FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

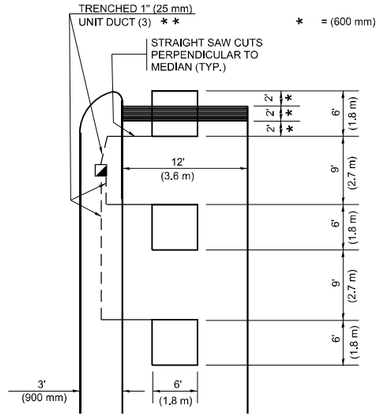


* = (600 mm)

* * 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)

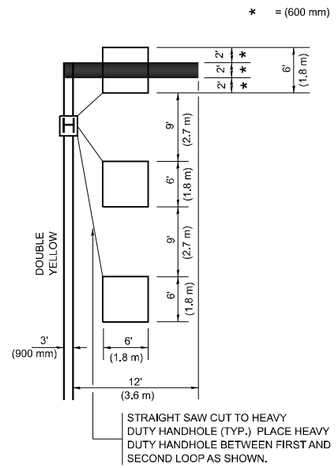


* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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.

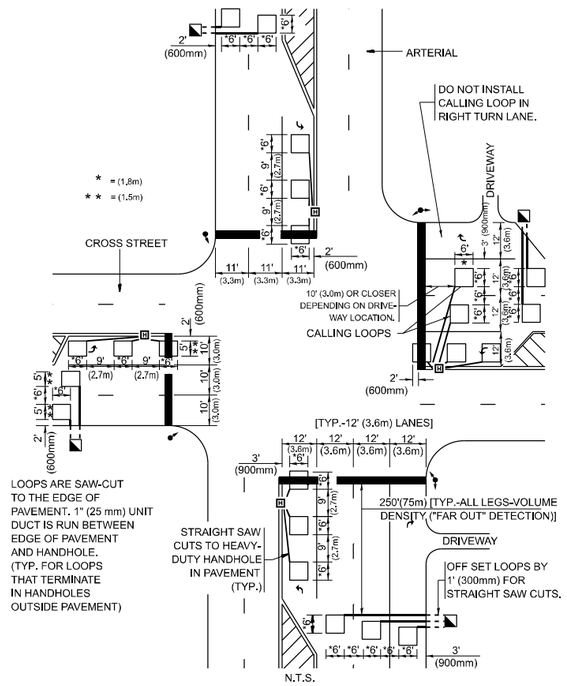
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

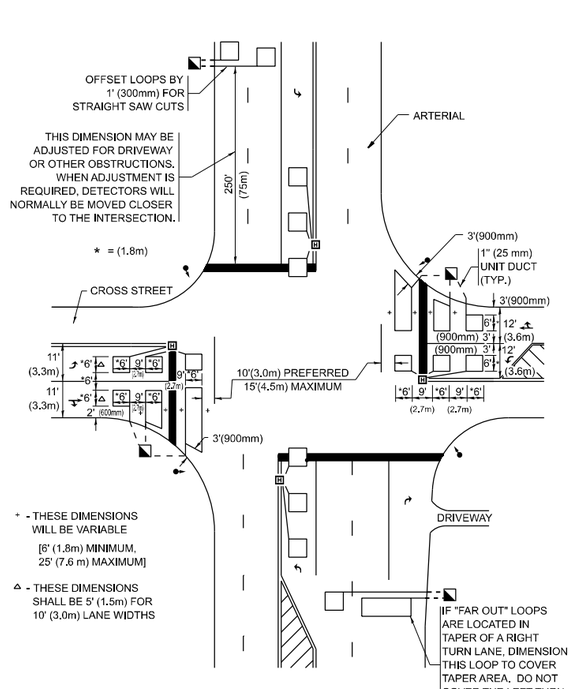
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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.

USER NAME = Eric.L.Thomas	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED - R.K.F.	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	FAU 1321 22 RS	COOK & DUPAGE	75	75
	TS-07	CONTRACT NO. 62R58		
	ILLINOIS	FED. AID PROJECT		

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