04-25-2025 LETTING ITEM 022

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	1
	ILLINOIS	CONTRACT NO. 62J79		

* 92 + 9 = 101 TOTAL SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

F.A.P. 307: IL RTE 64 (NORTH AVE)
I-294 (TRI-STATE TOLLWAY) TO IL RTE 43 (HARLEM AVE) &
NORTH FRONTAGE ROAD: 7TH AVE (HOSPITAL ENTRANCE) TO 5TH AVE
SECTION: 2019-107-RS&SW
PROJECT: NHPP-4NTV (036)
DESIGNED OVERLAY, DRAINAGE IMPROVEMENT, ADA IMPROVEMENT
COOK COUNTY
C-91-023-20

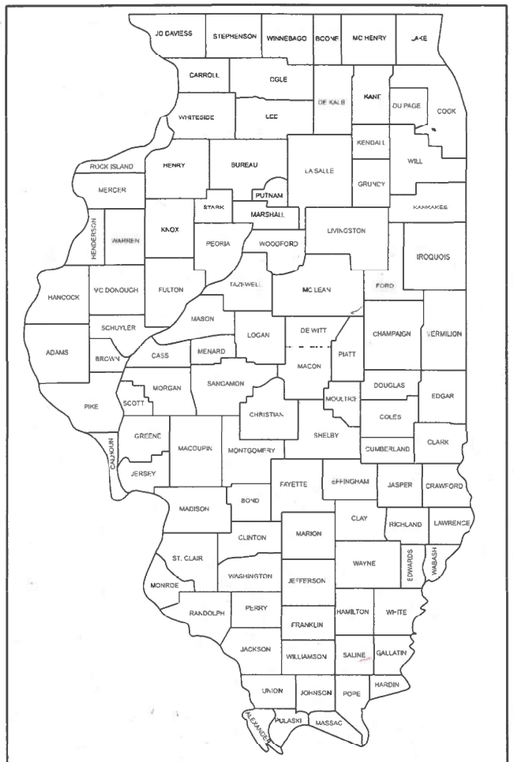
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN
CITY OF NORTHLAKE,
VILLAGE OF MELROSE PARK,
VILLAGE OF RIVER FOREST,
VILLAGE OF STONE PARK,
VILLAGE OF RIVER GROVE AND
VILLAGE OF ELMWOOD PARK

TRAFFIC DATA:
IL 64 (NORTH AVE):
ADT: 34,000 VPD (2023) - 50,800 VPD (2021)
SPEED LIMIT: 30 MPH - 40 MPH
OTHER PRINCIPAL ARTERIAL

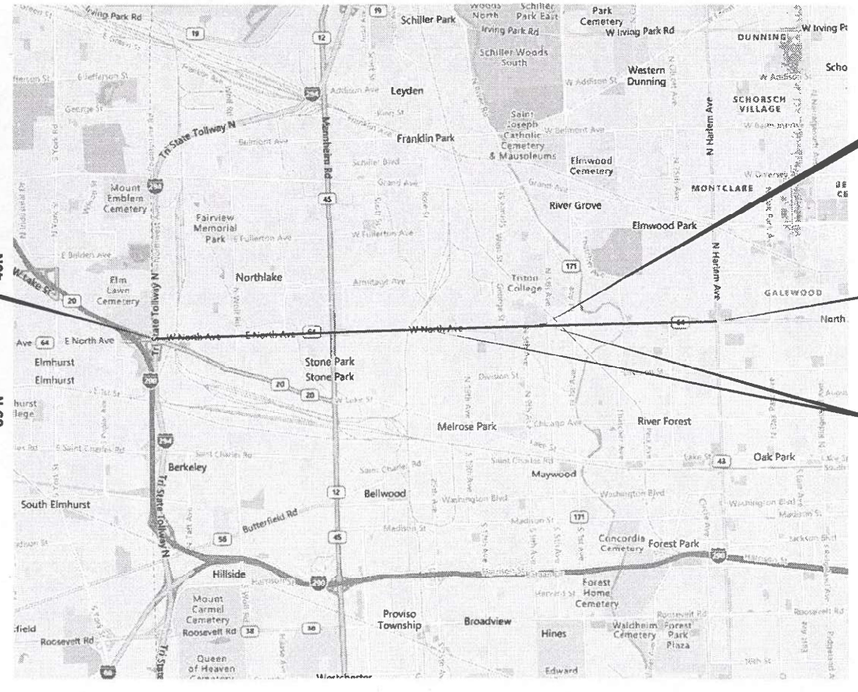
RESURFACING OMMISSION:
IL 64 (NORTH AVE):
STA. 83+02 TO STA. 87+89
STA. 229+31 TO STA. 231+88
STA. 236+58 TO STA. 243+20
STA. 259+53 TO STA. 270+78

D-91-243-20



LOCATION OF SECTION INDICATED THUS: -

12 E



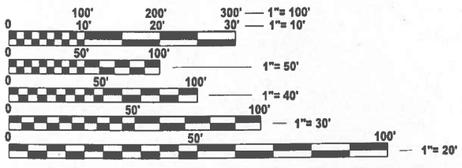
40N
39 N

PROJECT BEGINS
IL 64 RESURFACING
STA. 24+67

FRONTAGE ROAD
PAVEMENT REPLACEMENT
STA. 00+30 TO STA 05+30

PROJECT ENDS
IL 64 RESURFACING
STA 316+45

IL 64 DRAINAGE
IMPROVEMENT
STA 154+64 TO
STA 224+92



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

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

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255
PROJECT MANAGER: VESELIN VELICHKOV

CONTRACT NO. 62J79

PROVISO, LEYDEN, AND RIVER FOREST TOWNSHIP
IL 64: GROSS LENGTH = 29178 FT. = 5.53 MILES NET LENGTH = 26647 FT. = 5.05 MILES
FRONTAGE RD: GROSS LENGTH = NET LENGTH = 500 FT. = 0.09 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 29th 20 25
REGIONAL ENGINEER

March 21 20 25
ENGINEER OF DESIGN AND ENVIRONMENT

March 21 20 25
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

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88	DRIVEWAY ENTRANCE SIGNING (TC-26)
88A	DISTRICT 1 - MAST ARM MOUNTED STREET NAME SIGNS (TS-02)
88B-88H	DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
89	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)
90-92	CROSS SECTIONS - N. FRONTAGE ROAD

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN, TYPE A
602301-04	INLET, TYPE A
602401-07	PRECAST MANHOLE, TYPE A, 4' DIAMETER
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604006-05	FRAME AND GRATE, TYPE 3
604066-02	FRAME AND LID, TYPE 15
604091-05	FRAME AND GRATE, TYPE 24
601001-05	PIPE UNDERDRAINS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606306-04	PC CONCRETE ISLANDS AND MEDIANS
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
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
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
701611-01	URBAN HALF ROAD 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
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

1. 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.
2. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
3. 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.
4. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
5. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
6. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
9. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE RESIDENT ENGINEER.
10. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
11. THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER VIA EMAIL AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
12. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
13. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER THE RECORD TO THE ENGINEER.
14. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
15. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
16. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL PAVEMENT MARKINGS.
17. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
18. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
19. 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.
20. MILLING, RESURFACING, AND PAVEMENT REPLACEMENT UNDER THE BRIDGE STRUCTURE MUST NOT CHANGE OR NEGATIVELY IMPACT THE MINIMUM VERTICAL CLEARANCE UNDER THE STRUCTURE.
21. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	2

CONTRACT NO. 62J79

ILLINOIS | FED. AID PROJECT

GENERAL NOTES CONTINUED

22. THE NORTHERN LONG EARED BAT (NLEB) HAS BEEN RECLASSIFIED AS AN ENDANGERED SPECIEIS ACT BY THE U.S. FISH AND WIDLIFE SERVICE (USFWS). TO AVOID AND MINIMIZE IMPACTS TO THE NLEB AND ITS HABITAT, DISTRICT ONE HAS IMPLEMENTED TIME RESTRICTIONS FOR ALL TREE REMOVAL AND FORESTY WORK. THIS WORK SHALL NOT OCCUR FROM APRIL 1 TO OCTOBER 31 OF ANY GIVEN YEAR THROUGHOUT DISTRICT ONE.

23. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE A MINIMUM OF 6 INCHES BELOW THE AGGREGATE SUBGRADE LAYER. THE COST OF MAKING UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COSTS OF THE PIPE UNDERDRAINS.

24. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND / OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND / OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH 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 STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND / OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THE THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

25. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

26. ANY AGGREGATE SUBGRADE CONTAMINATED AND / OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND / OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE RESIDENT ENGINEER AT THE CONTRACTOR'S EXPENSE.

27. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.

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INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	2A
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	DRAINAGE	SIGNAL	ROADWAY	ROADWAY	
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% STATE	100% STATE FRONTAGE ROAD	
Code No.	Item	Unit	Total Quantity	0005	0043	0021	0005	0005	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	123	123					
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6	6					
20200100	EARTH EXCAVATION	CU YD	2026	1426				600	
20800150	TRENCH BACKFILL	CU YD	3133		3133				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1708	1347				361	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4555	4355				200	
25200110	SODDING, SALT TOLERANT	SQ YD	4555	4355				200	
25200200	SUPPLEMENTAL WATERING	UNIT	68.3	65.3				3	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	381	260				121	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	6828	5387				1441	
35501304	HOT-MIX ASPHALT BASE COURSE, 5"	SQ YD	1441					1441	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	667	667					
35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SQ YD	2065	2065					
35600724	HOT-MIX ASPHALT BASE COURSE WIDENING, 12"	SQ YD	3322	3322					
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	15361	12119				3242	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	162240	161915				325	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	152790	152290				500	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	360	360					
40600405	MATERIAL TRANSFER DEVICE	TON	26883	26883					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	3086	3086					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	2884	2884					
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	568	362				206	
40605015	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT 12.5, N80	TON	26883	26883					

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES

				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	DRAINAGE	SIGNAL	ROADWAY	ROADWAY	
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% STATE	100% STATE FRONTAGE ROAD	
Code No.	Item	Unit	Total Quantity	0005	0043	0021	0005	0005	
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	23523	23523					
42001300	PROTECTIVE COAT	SQ YD	11953	11675				278	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	167	167					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2834	2834					
42400800	DETECTABLE WARNINGS	SQ FT	170	170					
44000100	PAVEMENT REMOVAL	SQ YD	3506	2065				1441	
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	2470	2470					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	396	396					
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	234639	234639					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	834	834					
44000300	CURB REMOVAL	FOOT	500					500	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	17500	17000				500	
44000600	SIDEWALK REMOVAL	SQ FT	3932	3932					
44002220	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5"	SQ YD	10300	10300					
44003100	MEDIAN REMOVAL	SQ FT	33852	33852					
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	2195	2195					
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	1570	1570					
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	5350	5350					
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	11061	11061					
45200300	JOINT OR CRACK FILLING	POUND	3161	3161					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1236		1236				

* = SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	3
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

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SUMMARY OF QUANTITIES

Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN DRAINAGE 80% FED 20% STATE 0043	URBAN SIGNAL 80% FED 20% STATE 0021	URBAN ROADWAY 100% STATE 0005	URBAN ROADWAY 100% STATE FRONTAGE ROAD 0005	URBAN
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	1146		1146				
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	3606		3606				
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	376		376				
55100200	STORM SEWER REMOVAL 6"	FOOT	15		15				
55100300	STORM SEWER REMOVAL 8"	FOOT	185		185				
55100400	STORM SEWER REMOVAL 10"	FOOT	757		757				
55100500	STORM SEWER REMOVAL 12"	FOOT	777		777				
55100700	STORM SEWER REMOVAL 15"	FOOT	4649		4649				
55100900	STORM SEWER REMOVAL 18"	FOOT	594		594				
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	500					500	
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	12		12				
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	55		55				
60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID	EACH	55		55				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	24		20			4	
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	60		60				
60255500	MANHOLES TO BE ADJUSTED	EACH	5		5				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5		5				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	30		30				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	63		63				
60400210	FRAMES, TYPE 3	EACH	12		12				
60404950	FRAMES AND GRATES, TYPE 24	EACH	12		12				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	30		30				

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN DRAINAGE 80% FED 20% STATE 0043	URBAN SIGNAL 80% FED 20% STATE 0021	URBAN ROADWAY 100% STATE 0005	URBAN ROADWAY 100% STATE FRONTAGE ROAD 0005	URBAN
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	98		98				
	60500040	REMOVING MANHOLES	EACH	35		35				
	60500050	REMOVING CATCH BASINS	EACH	11		11				
	60500060	REMOVING INLETS	EACH	54		54				
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1361	861				500	
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	17500	17000				500	
	60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	3295	3295					
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	19802	19802					
	60920010	PIPE CULVERTS TO BE CLEANED 10"	FOOT	100				100		
	60920018	PIPE CULVERTS TO BE CLEANED 18"	FOOT	100				100		
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5686	5086				600	
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	50	40				10	
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.95				0.05	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.95				0.05	
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	50	40				10	
	67100100	MOBILIZATION	L SUM	1	0.95				0.05	
	70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4					
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1					
	70102635	TRAFFIC CONTROLAND PROTECTION, STANDARD 701701	L SUM	1	1					

* = SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	4
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN DRAINAGE 80% FED 20% STATE 0043	URBAN SIGNAL 80% FED 20% STATE 0021	URBAN ROADWAY 100% STATE 0005	URBAN ROADWAY 100% STATE FRONTAGE ROAD 0005	URBAN
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	80	80					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	138889	138889					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	50781	50781					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	10314	10314					
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	225894	222894				3000	
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	39963	39963					
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	4983	4983					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	15162	15162					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	5946	5946					
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	936	936					
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	15076	15076					
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	3713	3713					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3438	3438					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	53758	52758				1000	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	13321	13321					
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1661	1661					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5054	5054					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1982	1982					
	78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	1720	1720					
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	401	401					
	78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	22540	22540					
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	5618	5618					
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2152	2152					

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN DRAINAGE 80% FED 20% STATE 0043	URBAN SIGNAL 80% FED 20% STATE 0021	URBAN ROADWAY 100% STATE 0005	URBAN ROADWAY 100% STATE FRONTAGE ROAD 0005	URBAN
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	630	630					
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	158	158					
	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	22540	22540					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2926	2900				26	
	78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	1720	1720					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2900	2900					
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	529	529					
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	20431	20431					
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	171			171			
*	81400200	HEAVY-DUTY HANDHOLE	EACH	3			3			
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4			4			
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	6862			6862			
*	87900200	DRILL EXISTING HANDHOLE	EACH	3			3			
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	16			16			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	1806			1806			
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2068			2068			
*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	114			114			
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3			3			
*	89502376	REBUILD EXISTING HANDHOLE	EACH	26			26			
	89502380	REMOVE EXISTING HANDHOLE	EACH	4			4			
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
	X0325207	TELEVISION INSPECTION OF SEWER	FOOT	645		645				
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	517	517					
*	X1400450	REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	3			3			

* = SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	5
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	DRAINAGE	SIGNAL	ROADWAY	ROADWAY	
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% STATE	100% STATE FRONTAGE ROAD	
	Code No.	Item	Unit	Total Quantity	0005	0043	0021	0005	0005	
	X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	778	778					
	X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	1133	1133					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	8390	8390					
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	15111	15111					
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	300				300		
	X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	300				300		
	X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	300				300		
	X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	300				300		
	X5538400	STORM SEWERS TO BE CLEANED 30"	FOOT	300				300		
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	10		10				
	X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	10		10				
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	206	206					
	X6062206	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6 INCH	SQ FT	3295	3295					
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	18	18					
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.95				0.05	
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	1035.9	1035.9					
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	6944			6944			
*	X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	7			7			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.95				0.05	
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	229				229		
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
	Z0056669	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	330		330				

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES

					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	DRAINAGE	SIGNAL	ROADWAY	ROADWAY	
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% STATE	100% STATE FRONTAGE ROAD	
	Code No.	Item	Unit	Total Quantity	0005	0043	0021	0005	0005	
	Z0056670	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	FOOT	54		54				
	Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	240		240				
Ø	Z0076600	TRAINEES	HOUR	1500		1500				
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1500		1500				
	70107025	CHANGEABLE MESSAGE SIGN	CALDA	20		20				
	70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1				

* = SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	6
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

REV-SEP

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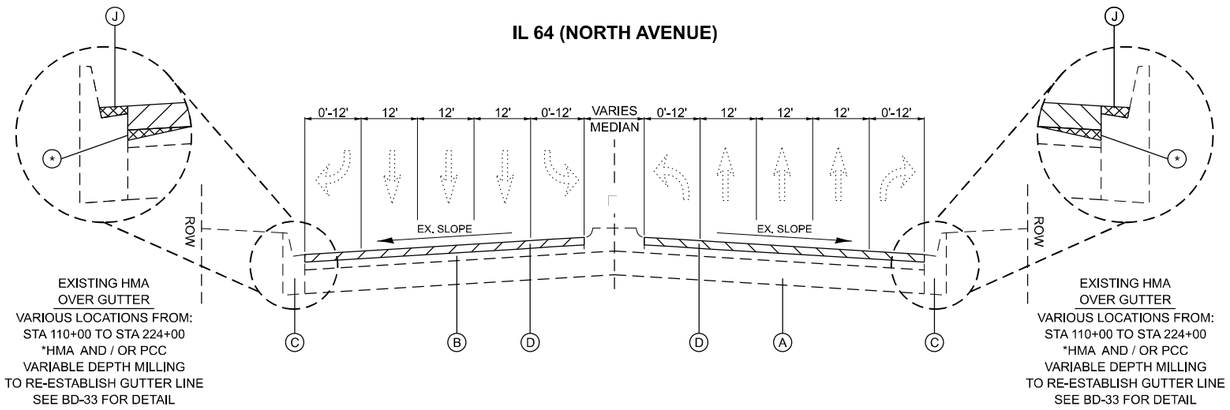


EXISTING HMA
OVER GUTTER
VARIOUS LOCATIONS FROM:
STA 110+00 TO STA 224+00
*HMA AND / OR PCC
VARIABLE DEPTH MILLING
TO RE-ESTABLISH GUTTER LINE
SEE BD-33 FOR DETAIL

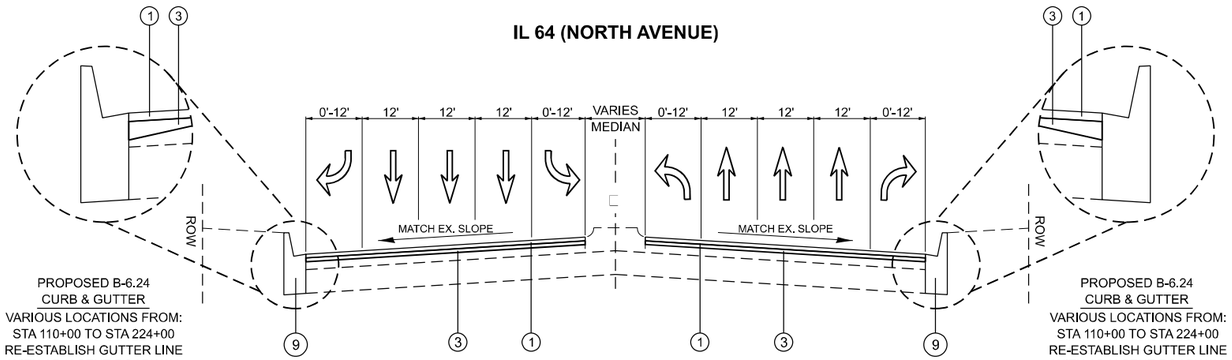
EXISTING HMA
OVER GUTTER
VARIOUS LOCATIONS FROM:
STA 110+00 TO STA 224+00
*HMA AND / OR PCC
VARIABLE DEPTH MILLING
TO RE-ESTABLISH GUTTER LINE
SEE BD-33 FOR DETAIL

EXISTING TYPICAL SECTION

STA. 24+67 TO STA. 229+31

STA. 231+88 TO STA. 267+50

*RESURFACING OMMISSION:
STA. 83+02 TO STA. 87-89
STA. 229+31 TO STA. 231+88
STA. 236+58 TO STA 243+20
STA. 257+53 TO 270+78



PROPOSED B-6.24
CURB & GUTTER
VARIOUS LOCATIONS FROM:
STA 110+00 TO STA 224+00
RE-ESTABLISH GUTTER LINE
WITH ADJACENT ROADWAY

PROPOSED B-6.24
CURB & GUTTER
VARIOUS LOCATIONS FROM:
STA 110+00 TO STA 224+00
RE-ESTABLISH GUTTER LINE
WITH ADJACENT ROADWAY

PROPOSED TYPICAL SECTION

STA. 24+67 TO STA. 229+31

STA. 231+88 TO STA. 267+50

*RESURFACING OMMISSION:
STA. 83+02 TO STA. 87-89
STA. 229+31 TO STA. 231+88
STA. 236+58 TO STA 243+20
STA. 257+53 TO 270+78

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.

NOTE 3: THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

NOTE 4: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE.

LEGEND - EXISTING

- (A) CONCRETE PAVEMENT ±9"
- (B) HOT MIX ASPHALT SURFACE BEFORE MILLING, ±5"
- (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (D) HOT MIX ASPHALT SURFACE REMOVAL 3-3/4"
- (E) HOT MIX ASPHALT SURFACE REMOVAL 1-3/4"
- (F) FULL CONCRETE & BRICK MEDIAN REMOVAL
- (G) FULL DEPTH PAVEMENT REMOVAL
- (H) TRENCH EXCAVATION FOR STORM SEWER AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER
- (I) EARTH EXCAVATION TO PROPOSED REPLACEMENT DEPTHS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER
- (J) HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"
- (4) HOT-MIX ASPHALT BASE COURSE, 12"
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
- (6) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (7) HOT-MIX ASPHALT BASE COURSE, 5"
- (8) AGGREGATE SUBBASE IMPROVEMENT, 12"
- (9) COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT, TYPE B-6.24 LOCATIONS DETERMINED BY THE RESIDENT ENGINEER
- (10) CONCRETE MEDIAN, SB-6.12
- (11) CONCRET MEDAIN SURFACE, 6"
- (12) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (13) TRENCH BACKFILL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)	MATERIAL TRANSFER DEVICE REQUIRED?
MIXTURE TYPE	AIR VOIDS(%) @ Ndes		
PAVEMENT RESURFACING			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"	3.5% @ 80 GYR.	PFP	NO
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4" (PARKING LANE)	4% @ 50 GYR.	QC/QA	NO
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"	3.5% @ 80 GYR.	PFP	YES
PAVEMENT REPLACEMENT - IL 64 UNDERPASS			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"	3.5% @ 80 GYR.	PFP	NO
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"	3.5% @ 80 GYR.	PFP	YES
HMA BASE COURSE (HMA BINDER IL-19.0), 12"	4% @ 90 GYR.	QC/QA	NO
PAVEMENT WIDENING - IL 64 DRAINAGE IMPROVEMENT			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"	3.5% @ 80 GYR.	PFP	NO
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"	3.5% @ 80 GYR.	PFP	YES
HMA BASE COURSE WIDENING (HMA BINDER IL-19.0), 12"	4% @ 90 GYR.	QC/QA	NO
PAVEMENT REPLACEMENT - N. FRONTAGE ROAD			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA	NO
HMA BASE COURSE (HMA BINDER IL-19.0, N50), 5"	4% @ 50 GYR.	QC/QA	NO
MEDIAN SURFACE			
HOT MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR.	QC/QA	NO
DRIVEWAY RESTORATION			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA	NO
HMA BASE COURSE (HMA BINDER IL-19.0), 8"	4% @ 50 GYR.	QC/QA	NO
PATCHING			
CLASS D PATCHES (HMA BINDER IL-19.0), 9"	4% @ 70 GYR.	QC/QA	NO
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0), 5"	4% @ 70 GYR.	QC/QA	NO
TEMPORARY RAMP (SPECIAL)			
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 (VARIABLE)	4% @ 70 GYR.	QC/QA	NO
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)			

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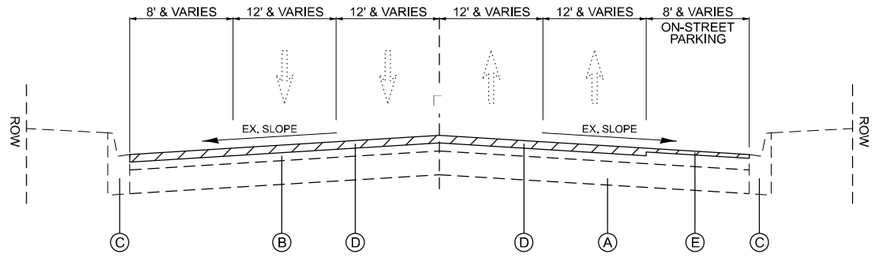
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL. RTE. 64 (I-294-IL43) & N. FRONTAGE RD. (7TH AVE.-5TH AVE.)

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	7
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

IL 64 (NORTH AVENUE)

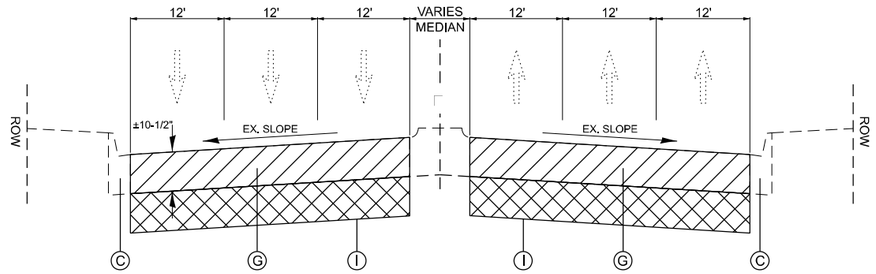


EXISTING TYPICAL SECTION

STA. 267+50 TO STA. 316+45

*RESURFACING OMMISSION:
STA. 257+53 TO 270+78

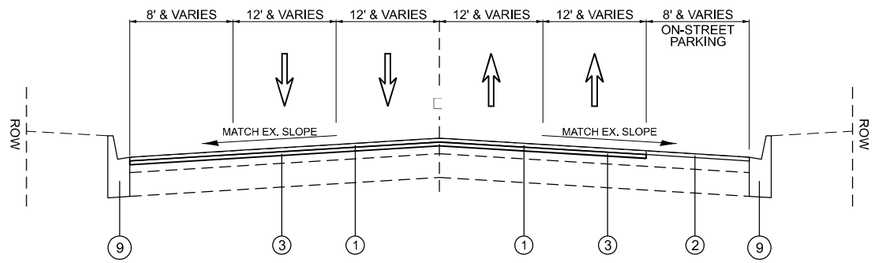
IL 64 (NORTH AVENUE)
WCL R.R. UNDERPASS



EXISTING TYPICAL SECTION

STA. 229+31 TO STA. 231+88

IL 64 (NORTH AVENUE)

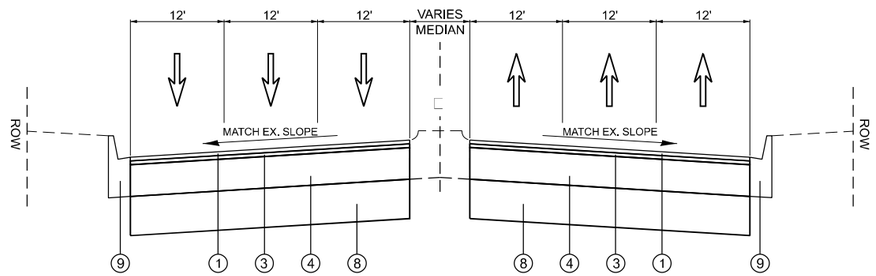


PROPOSED TYPICAL SECTION

STA. 267+50 TO STA. 316+45

*RESURFACING OMMISSION:
STA. 257+53 TO 270+78

IL 64 (NORTH AVENUE)
WCL R.R. UNDERPASS



PROPOSED TYPICAL SECTION

STA. 229+31 TO STA. 231+88

*THE HMA BASE COURSE 12" SHALL BE PLACED TO MATCH EXITING PAVEMENT ELEVATION AND SHALL BE MILLED DURING HMA SURFACE REMOVAL 3-3/4" OPERATIONS.

LEGEND - EXISTING

- (A) CONCRETE PAVEMENT ±9"
- (B) HOT MIX ASPHALT SURFACE BEFORE MILLING, ±5"
- (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (D) HOT MIX ASPHALT SURFACE REMOVAL 3-3/4"
- (E) HOT MIX ASPHALT SURFACE REMOVAL 1-3/4"
- (F) FULL CONCRETE & BRICK MEDIAN REMOVAL
- (G) FULL DEPTH PAVEMENT REMOVAL
- (H) TRENCH EXCAVATION FOR STORM SEWER AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER
- (I) EARTH EXCAVATION TO PROPOSED REPLACEMENT DEPTHS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER
- (J) HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

LEGEND - PROPOSED

1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"
2. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4"
3. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"
4. HOT-MIX ASPHALT BASE COURSE, 12"
5. HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
6. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
7. HOT-MIX ASPHALT BASE COURSE, 5"
8. AGGREGATE SUBBASE IMPROVEMENT, 12"
9. COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT, TYPE B-6.24 LOCATIONS DETERMINED BY THE RESIDENT ENGINEER
10. CONCRETE MEDIAN, SB-6.12
11. CONCRET MEDAIN SURFACE, 6"
12. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
13. TRENCH BACKFILL

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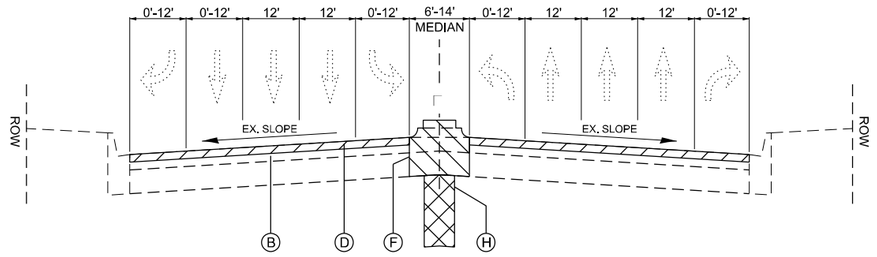
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL. RTE. 64 (I-294-IL43) & N. FRONTAGE RD. (7TH AVE.-5TH AVE.)

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	8
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

IL 64 (NORTH AVENUE)
DRAINAGE IMPROVEMENT



EXISTING TYPICAL SECTION

STA. 158+44 TO STA. 224+92

IL 64 (NORTH AVENUE)
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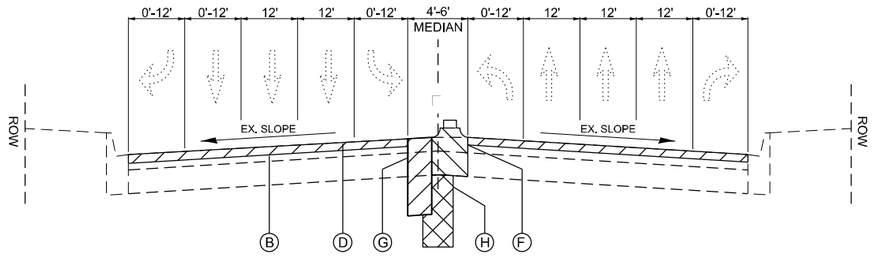
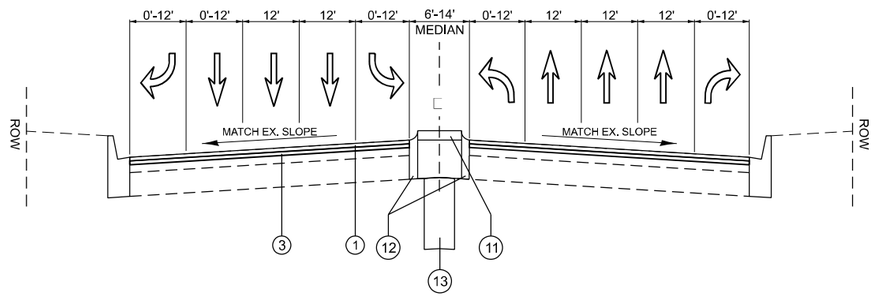


EXISTING TYPICAL SECTION

STA. 158+44 TO STA. 224+92

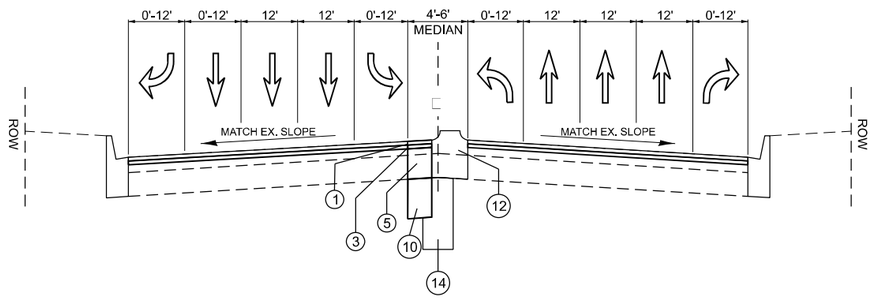
IL 64 (NORTH AVENUE)
DRAINAGE IMPROVEMENT



PROPOSED TYPICAL SECTION

STA. 154+64 TO STA. 224+92

IL 64 (NORTH AVENUE)
DRAINAGE IMPROVEMENT



PROPOSED TYPICAL SECTION

STA. 154+64 TO STA. 224+92

*THE HMA BASE COURSE 12" SHALL BE PLACED TO MATCH EXITING PAVEMENT ELEVATION AND SHALL BE MILLED DURING HMA SURFACE REMOVAL 3-3/4" OPERATIONS.

LEGEND - EXISTING

- (A) CONCRETE PAVEMENT ±9"
- (B) HOT MIX ASPHALT SURFACE BEFORE MILLING, ±5"
- (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (D) HOT MIX ASPHALT SURFACE REMOVAL 3-3/4"
- (E) HOT MIX ASPHALT SURFACE REMOVAL 1-3/4"
- (F) FULL CONCRETE & BRICK MEDIAN REMOVAL
- (G) FULL DEPTH PAVEMENT REMOVAL
- (H) TRENCH EXCAVATION FOR STORM SEWER AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER
- (I) EARTH EXCAVATION TO PROPOSED REPLACEMENT DEPTHS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER
- (J) HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

LEGEND - PROPOSED

1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"
2. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4"
3. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"
4. HOT-MIX ASPHALT BASE COURSE, 12"
5. HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
6. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
7. HOT-MIX ASPHALT BASE COURSE, 5"
8. AGGREGATE SUBBASE IMPROVEMENT, 12"
9. COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT, TYPE B-6.24 LOCATIONS DETERMINED BY THE RESIDENT ENGINEER
10. CONCRETE MEDIAN, SB-6.12
11. CONCRET MEDAIN SURFACE, 6"
12. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
13. TRENCH BACKFILL

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PLOT DATE = 1/31/2025	DATE -	REVISED -	TYPICAL SECTIONS

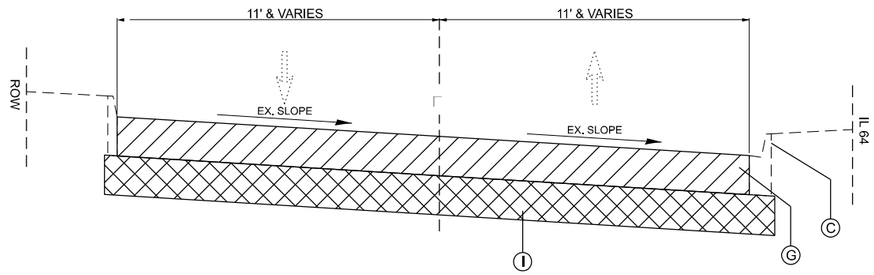
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL. RTE. 64 (I-294-IL43) & N. FRONTAGE RD. (7TH AVE.-5TH AVE.)

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	9
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

N. FRONTAGE ROAD



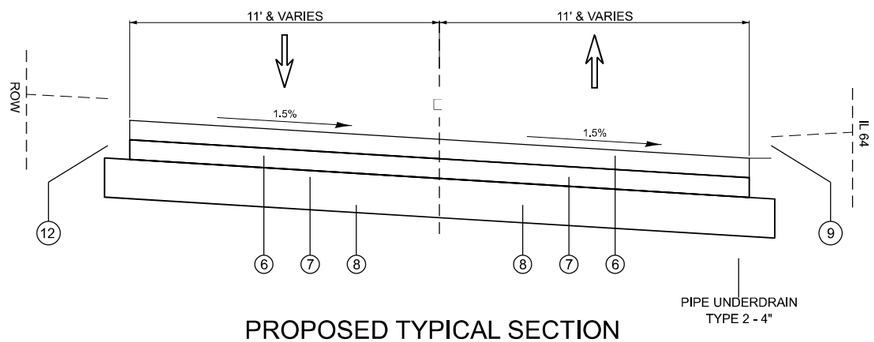
EXISTING TYPICAL SECTION

STA. 00+30 TO STA. 05+30

LEGEND - EXISTING

- (A) CONCRETE PAVEMENT ±9"
- (B) HOT MIX ASPHALT SURFACE BEFORE MILLING, ±5"
- (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (D) HOT MIX ASPHALT SURFACE REMOVAL 3-3/4"
- (E) HOT MIX ASPHALT SURFACE REMOVAL 1-3/4"
- (F) FULL CONCRETE & BRICK MEDIAN REMOVAL
- (G) FULL DEPTH PAVEMENT REMOVAL
- (H) TRENCH EXCAVATION FOR STORM SEWER AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER
- (I) EARTH EXCAVATION TO PROPOSED REPLACEMENT DEPTHS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER
- (J) HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

N. FRONTAGE ROAD



PROPOSED TYPICAL SECTION

STA. 00+30 TO STA. 05+30

LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"
- (4) HOT-MIX ASPHALT BASE COURSE, 12"
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
- (6) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (7) HOT-MIX ASPHALT BASE COURSE, 5"
- (8) AGGREGATE SUBBASE IMPROVEMENT, 12"
- (9) COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT, TYPE B-6.24 LOCATIONS DETERMINED BY THE RESIDENT ENGINEER
- (10) CONCRETE MEDIAN, SB-6.12
- (11) CONCRET MEDAIN SURFACE, 6"
- (12) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (13) TRENCH BACKFILL

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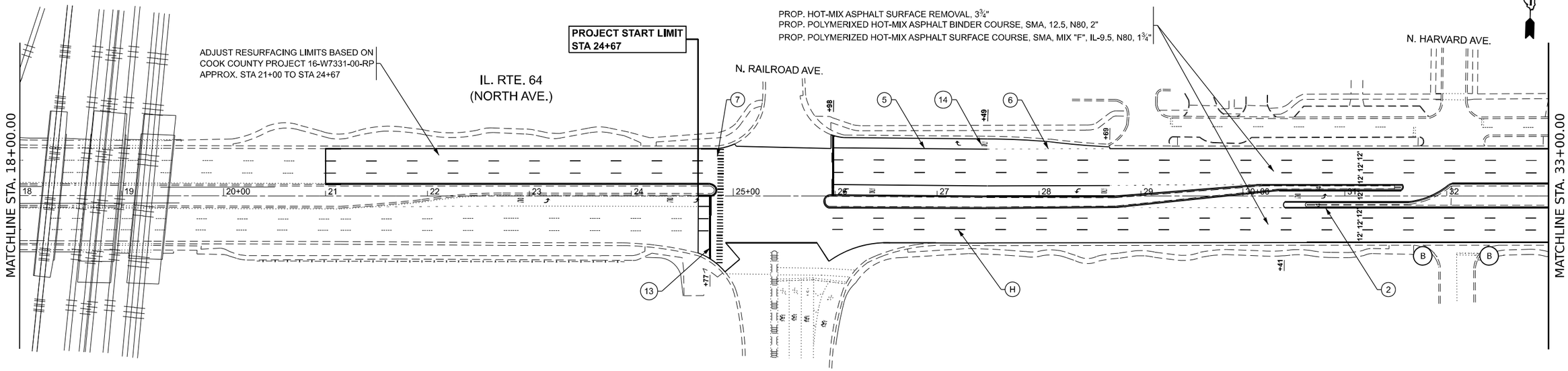
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL. RTE. 64 (I-294-IL43) & N. FRONTAGE RD. (7TH AVE.-5TH AVE.)

SCALE: | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	10
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		



THERMOPLASTIC PAVEMENT MARKING LEGEND

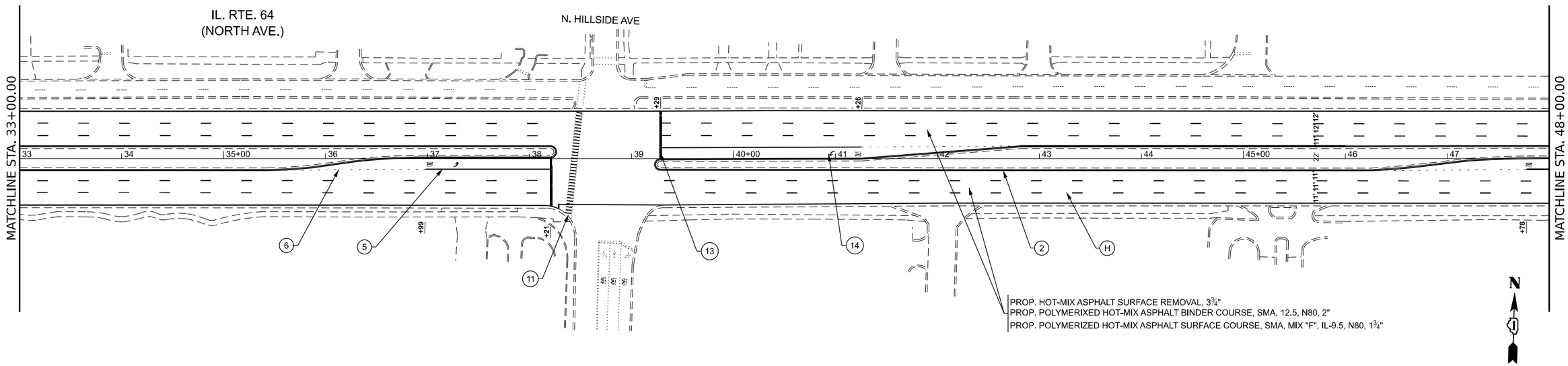
1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
23. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
24. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
25. 12" DIAGONAL @ 45 DEG. SOLID WHITE LINE @ 75' C-C (5 MINIMUM) (TYP.)
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- (A) PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- (B) PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- (C) PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- (D) PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (E) PROPOSED PAVEMENT WIDENING
- (F) PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- (G) PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- (I) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: 1"=50' | SHEET 1 OF 10 SHEETS | STA. 18+00 TO STA. 48+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	11
		CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		

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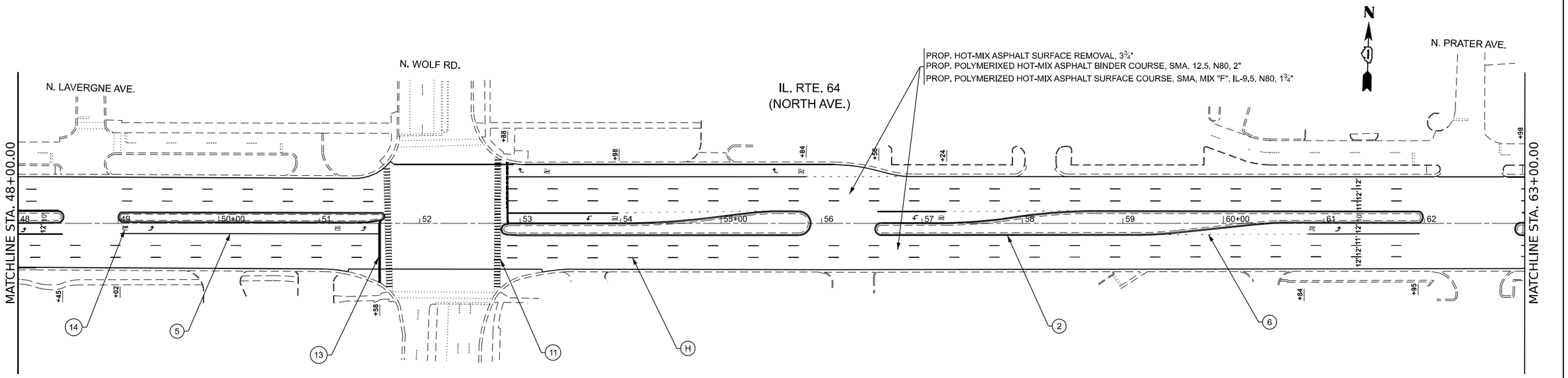


THERMOPLASTIC PAVEMENT MARKING LEGEND

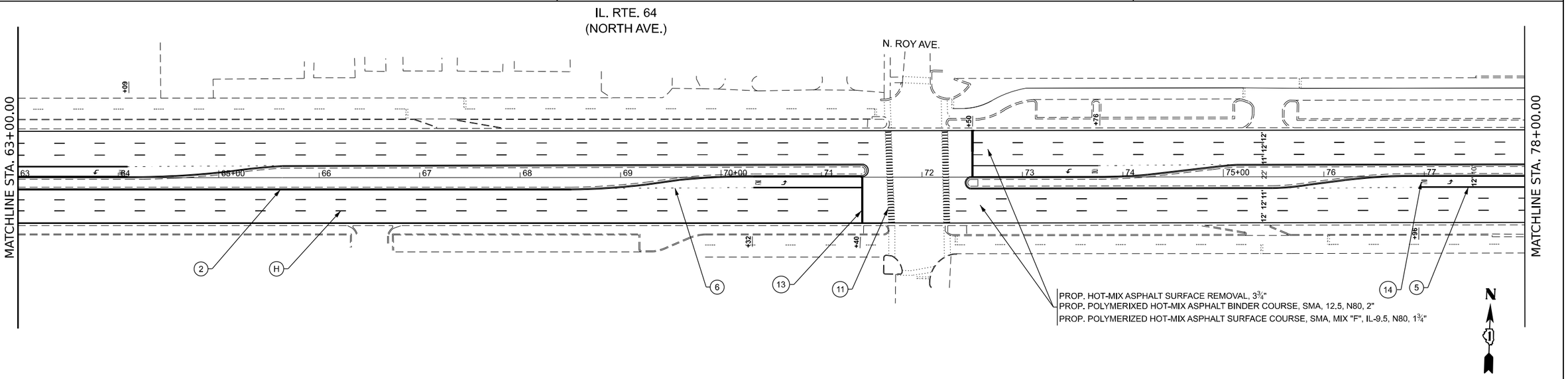
1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
23. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
24. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
25. 12" DIAGONAL @ 45 DEG. SOLID WHITE LINE @ 75' C-C (5 MINIMUM) (TYP.)
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- B. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- C. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- D. PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E. PROPOSED PAVEMENT WIDENING
- F. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- G. PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- H. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- I. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



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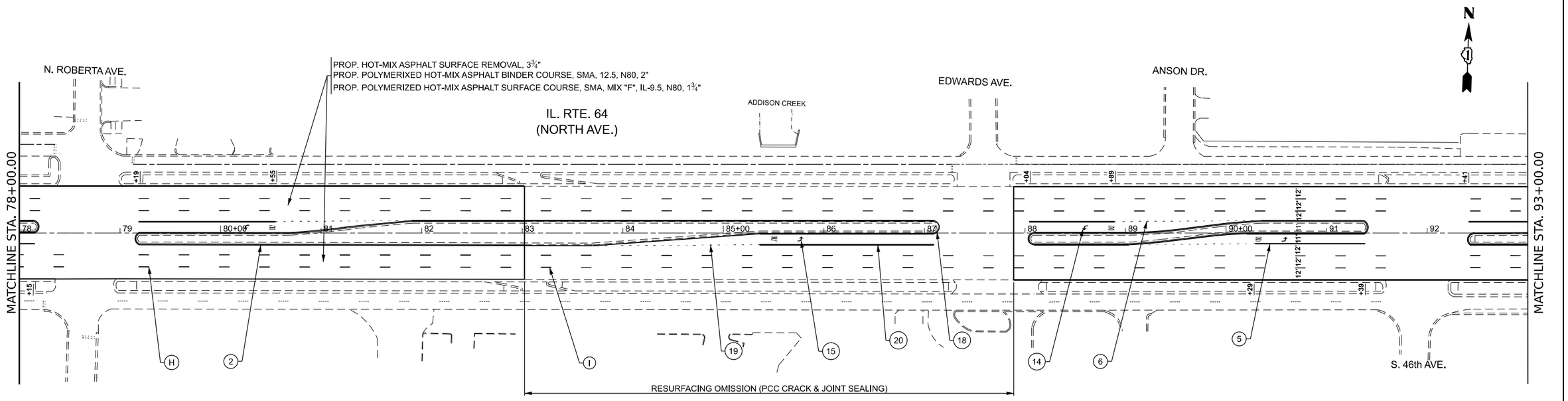
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD, [7TH AVE, TO 5TH AVE.]

SCALE: 1"=50' | SHEET 2 OF 10 SHEETS | STA. 48+00 TO STA. 78+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	12
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



THERMOPLASTIC PAVEMENT MARKING LEGEND

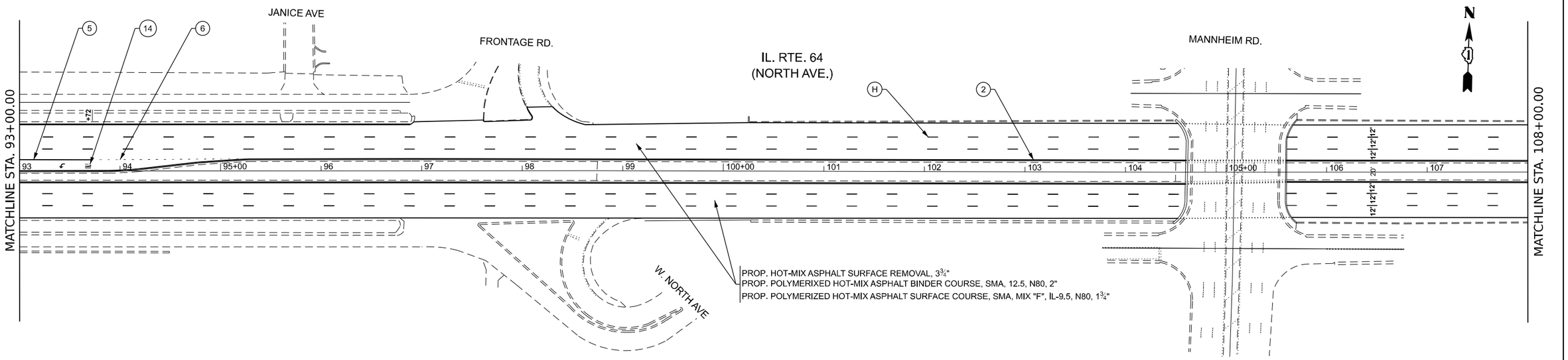
1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
23. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
24. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
25. 12" DIAGONAL @ 45 DEG. SOLID WHITE LINE @ 75' C-C (5 MINIMUM) (TYP.)
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- B. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- C. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- D. PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E. PROPOSED PAVEMENT WIDENING
- F. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- G. PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- H. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- I. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



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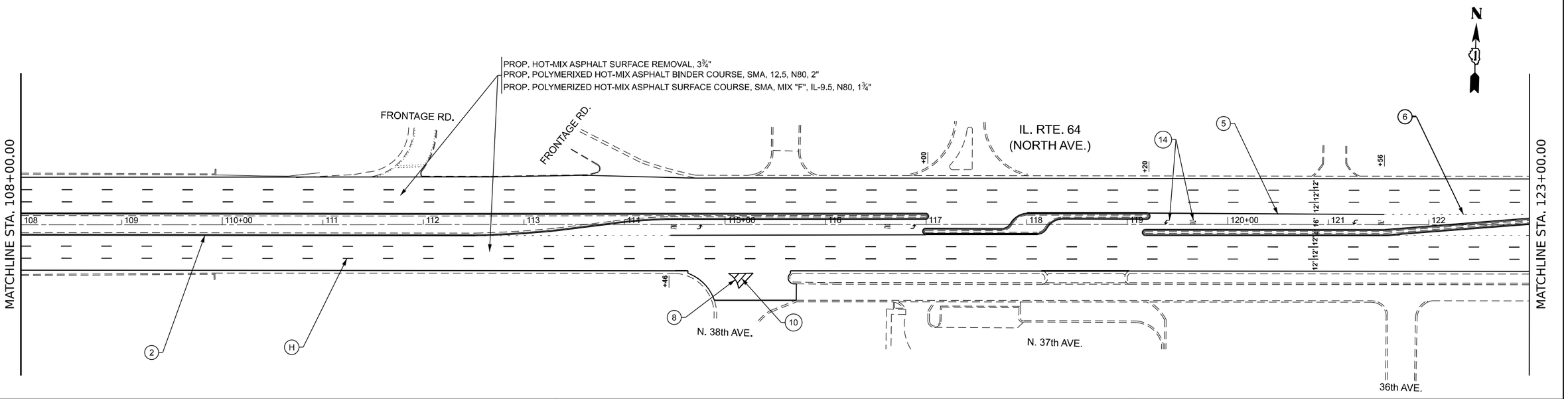
PLOT DATE = 1/31/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: 1"=50' | SHEET 3 OF 10 SHEETS | STA. 78+00 TO STA. 108+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	13
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



THERMOPLASTIC PAVEMENT MARKING LEGEND

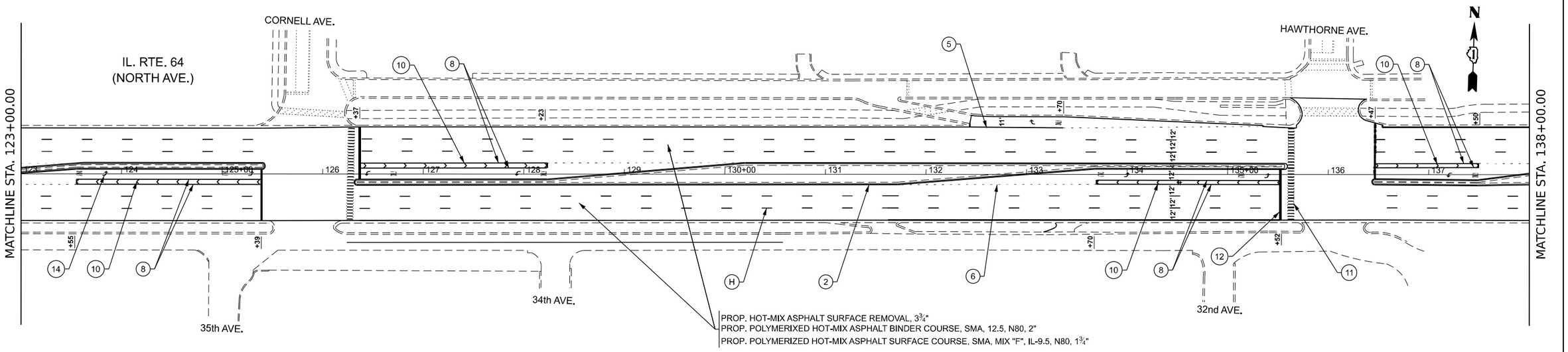
1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
23. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
24. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
25. 12" DIAGONAL @ 45 DEG. SOLID WHITE LINE @ 75' C-C (5 MINIMUM) (TYP.)
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- B. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- C. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- D. PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E. PROPOSED PAVEMENT WIDENING
- F. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- G. PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- H. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- I. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



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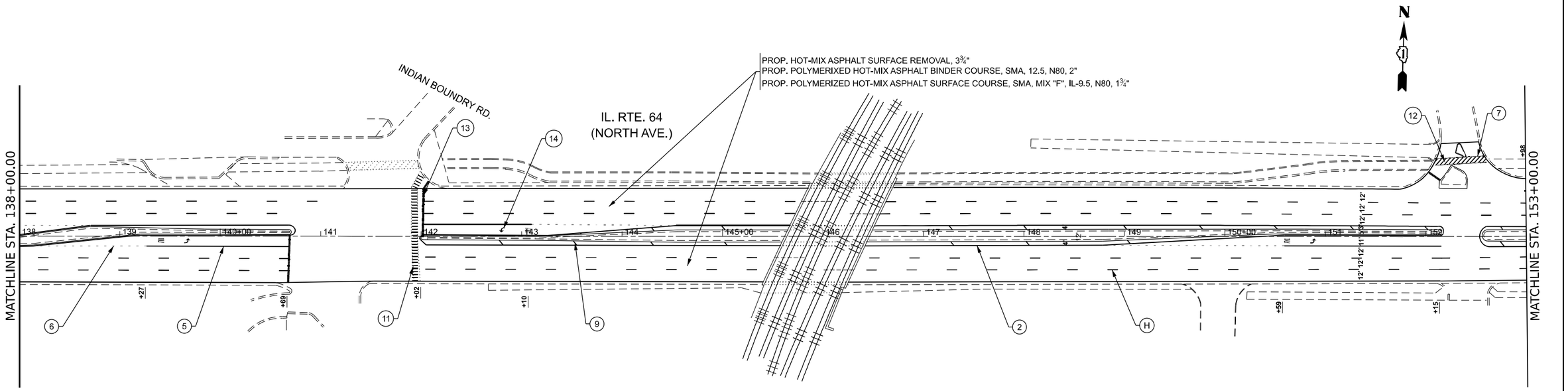
PLOT DATE = 1/31/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: 1"=50' | SHEET 4 OF 10 SHEETS | STA. 108+00 | TO STA. 138+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	14
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		



THERMOPLASTIC PAVEMENT MARKING LEGEND

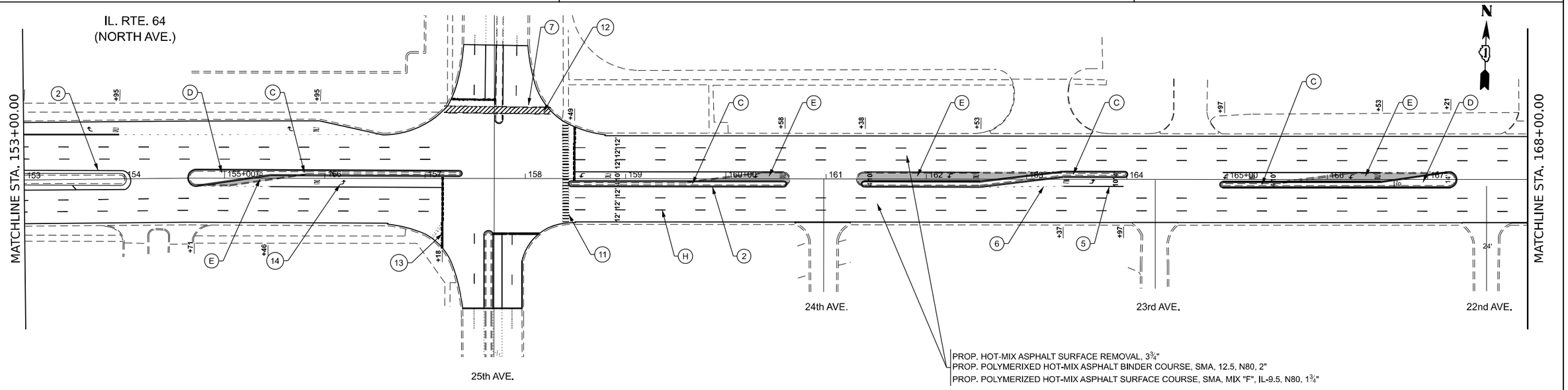
1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
23. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
24. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
25. 12" DIAGONAL @ 45 DEG. SOLID WHITE LINE @ 75' C-C (5 MINIMUM) (TYP.)
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- B. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- C. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- D. PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E. PROPOSED PAVEMENT WIDENING
- F. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- G. PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- H. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- I. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



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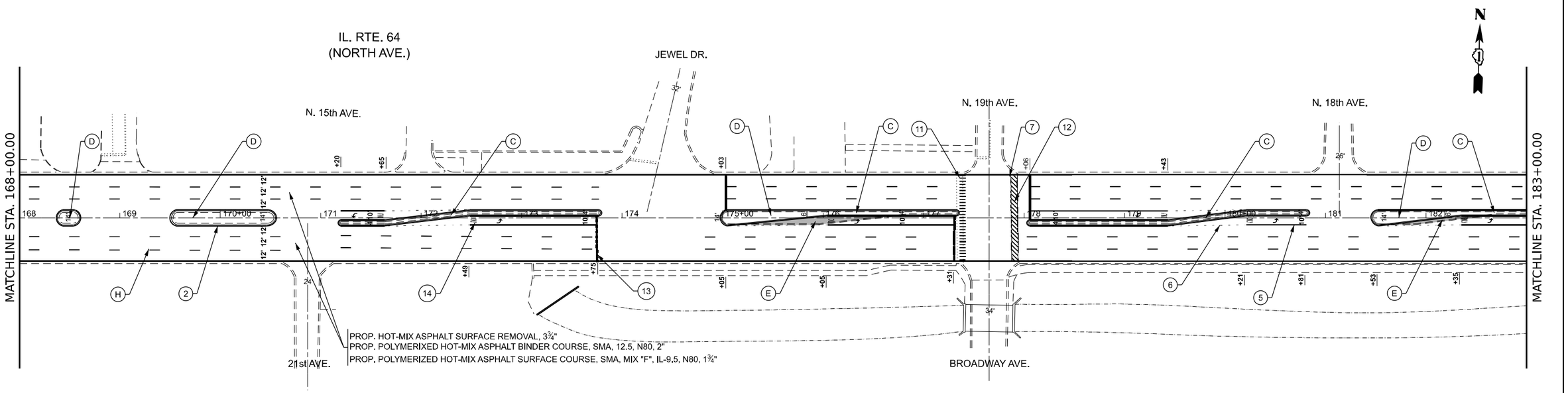
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: 1"=50' | SHEET 5 OF 10 SHEETS | STA. 138+00 TO STA. 168+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	15
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



THERMOPLASTIC PAVEMENT MARKING LEGEND

1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
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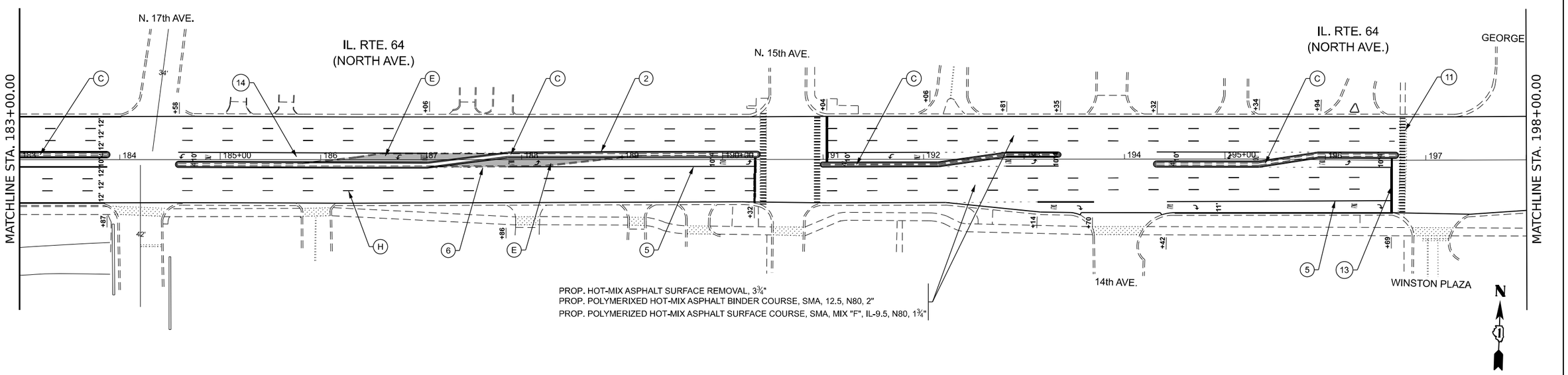
24. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
25. 12" DIAGONAL @ 45 DEG. SOLID WHITE LINE @ 75' C-C (5 MINIMUM) (TYP.)
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- B. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- C. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- D. PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E. PROPOSED PAVEMENT WIDENING
- F. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- G. PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- H. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- I. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



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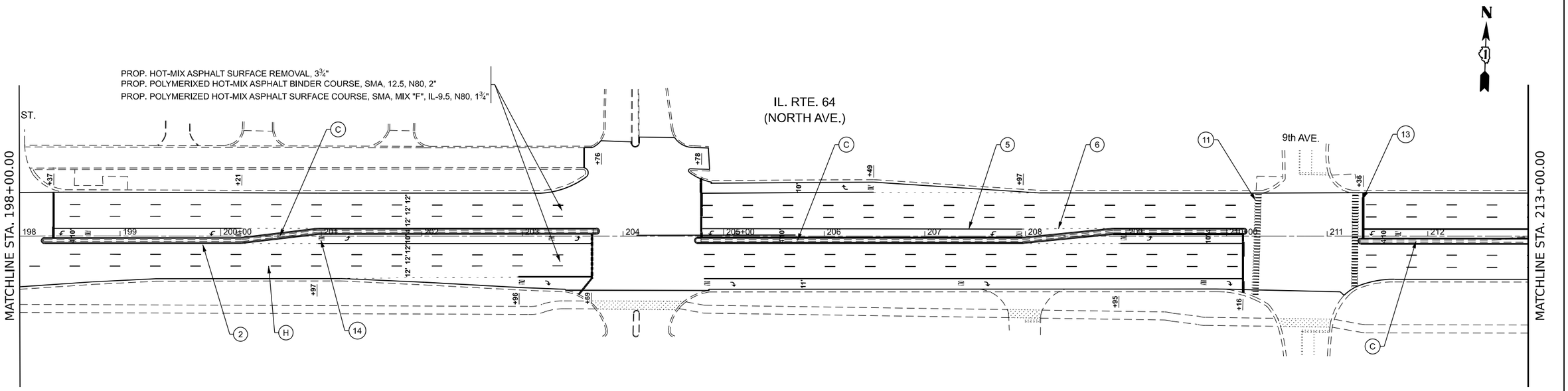
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: 1"=50' | SHEET 6 OF 10 SHEETS | STA. 168+00 TO STA. 198+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	16
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



THERMOPLASTIC PAVEMENT MARKING LEGEND

1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
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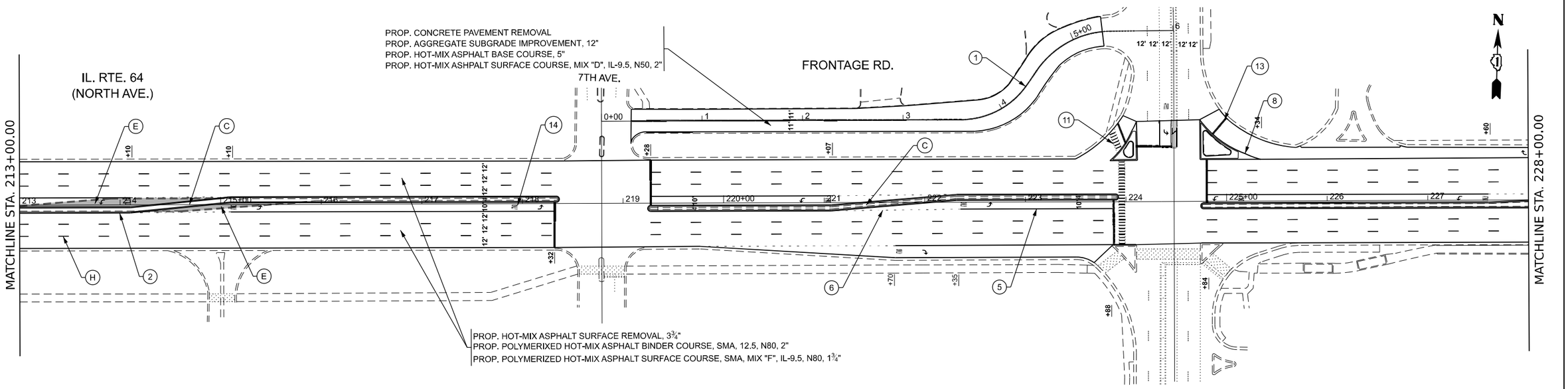
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- B. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- C. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- D. PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E. PROPOSED PAVEMENT WIDENING
- F. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- G. PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- H. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- I. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



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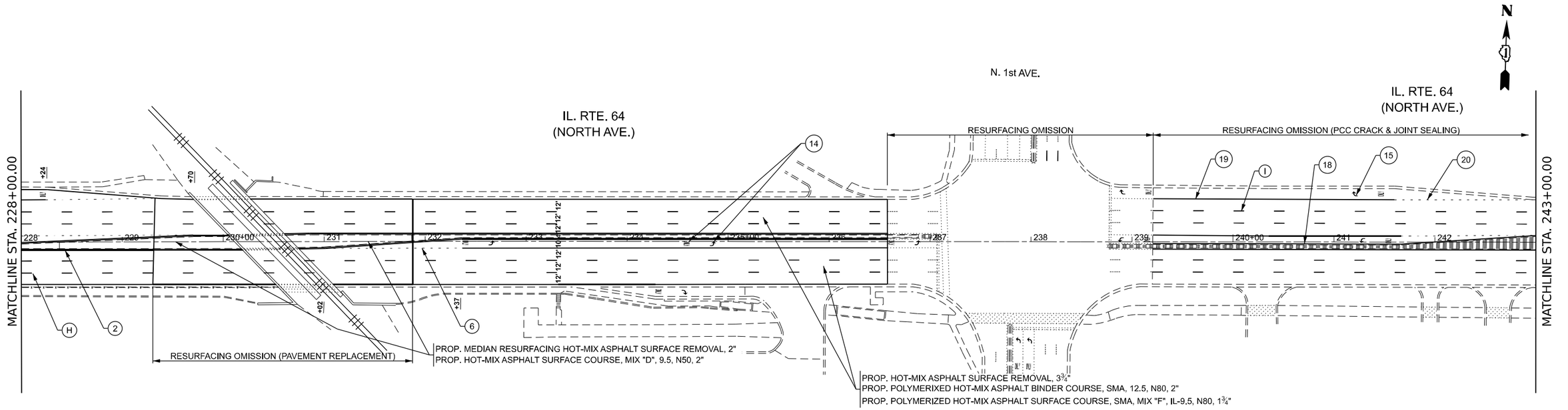
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: | SHEET 7 OF 10 SHEETS | STA. 198+00 | TO STA. 228+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	17
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



THERMOPLASTIC PAVEMENT MARKING LEGEND

1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
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9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
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13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
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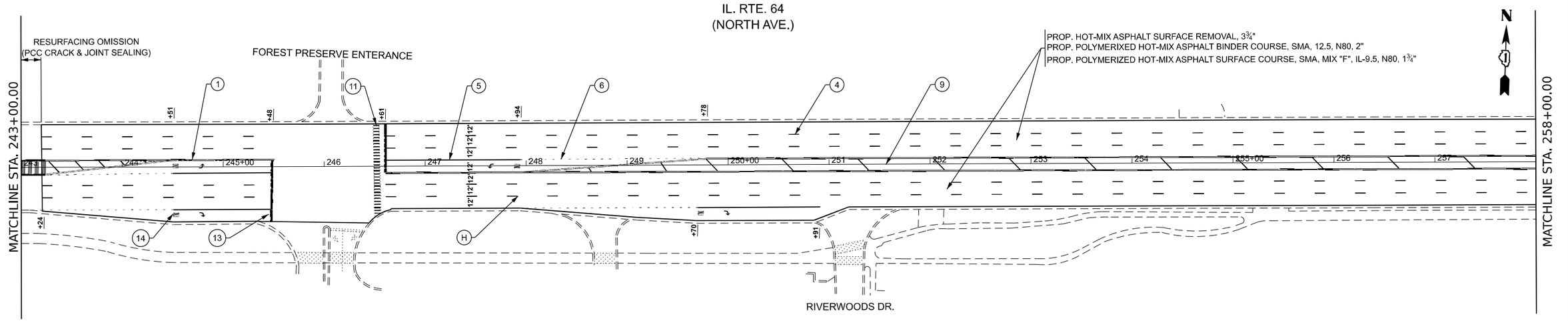
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- B. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- C. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- D. PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E. PROPOSED PAVEMENT WIDENING
- F. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- G. PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- H. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- I. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



USER NAME = nicholas.babul	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 1/31/2025	DATE -	REVISED -	

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: | SHEET 8 OF 10 SHEETS | STA. 228+00 | TO STA. 258+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	18
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

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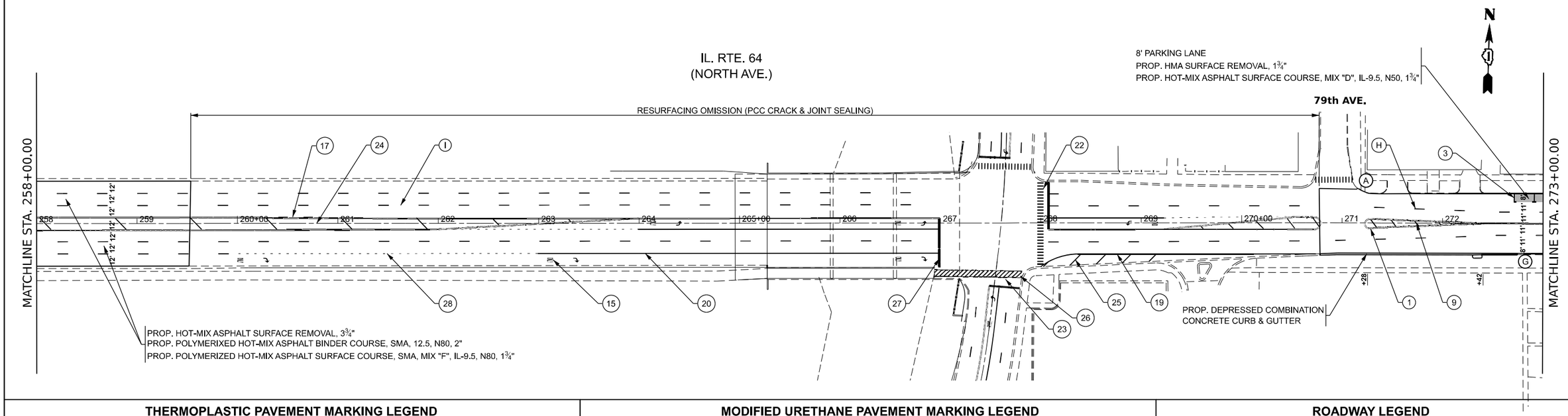


THERMOPLASTIC PAVEMENT MARKING LEGEND

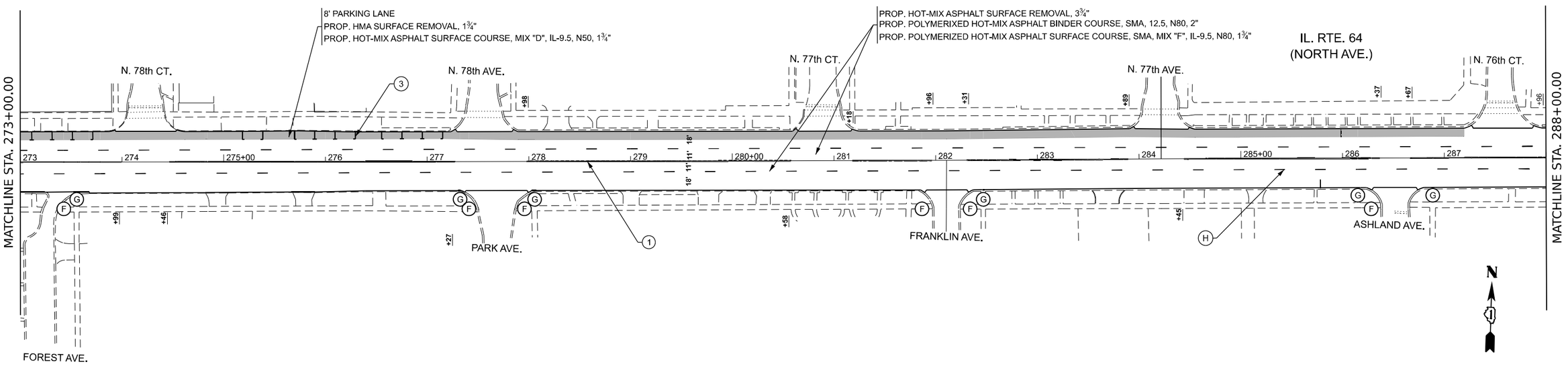
1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
23. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
24. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
25. 12" DIAGONAL @ 45 DEG. SOLID WHITE LINE @ 75' C-C (5 MINIMUM) (TYP.)
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- (A) PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- (B) PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- (C) PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- (D) PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (E) PROPOSED PAVEMENT WIDENING
- (F) PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- (G) PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- (I) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



USER NAME = nicholas.babul	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 1/31/2025	DATE -	REVISED -	

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: | SHEET 9 OF 10 SHEETS | STA. 258+00 | TO STA. 288+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	19
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

MODEL: IL64 - RdwyPlan09
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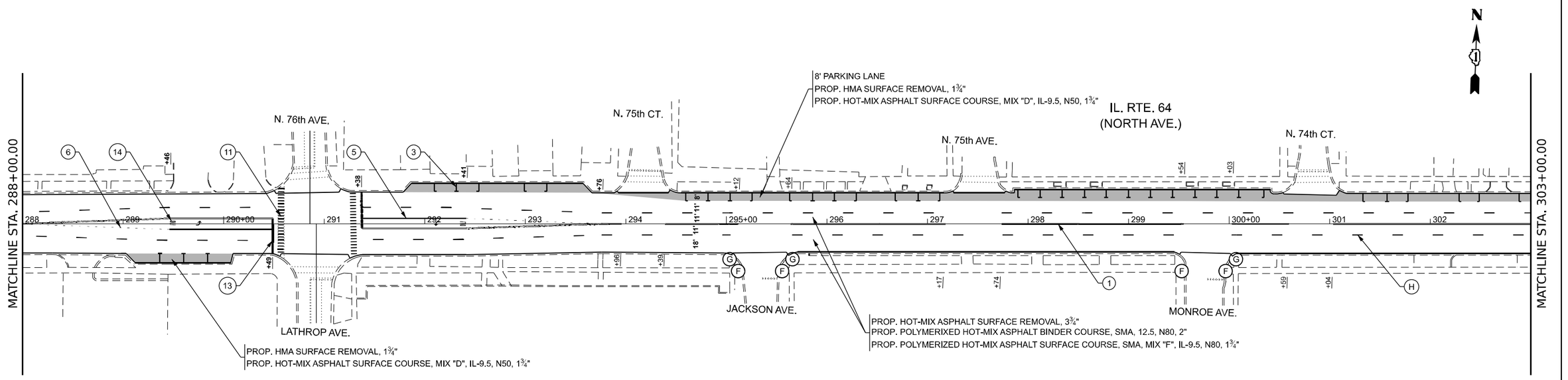


THERMOPLASTIC PAVEMENT MARKING LEGEND

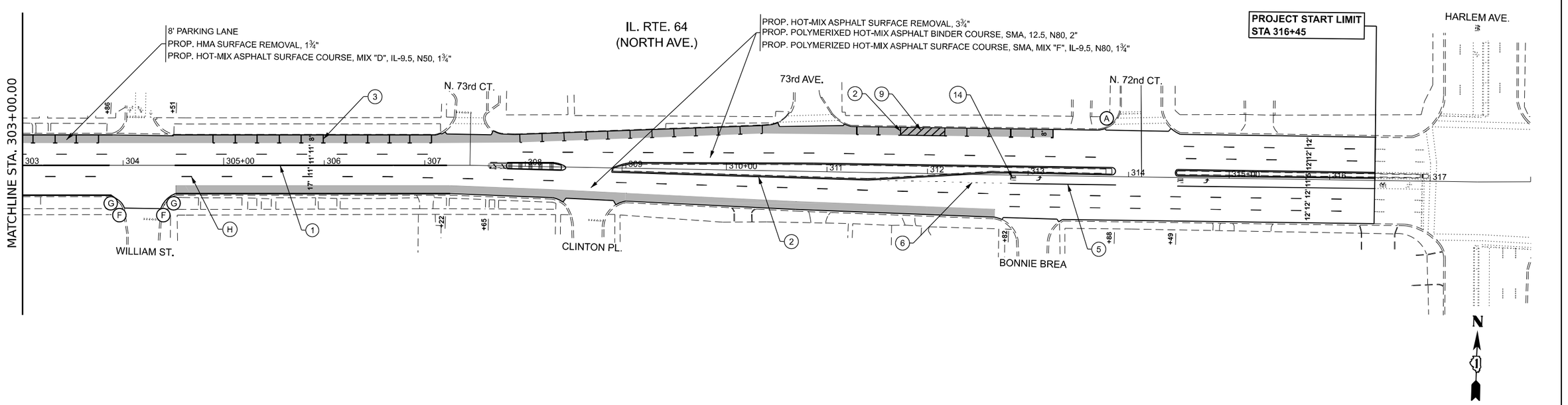
1. 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. 4" SINGLE SOLID YELLOW LINE (TYP.)
3. 4" SINGLE SOLID WHITE LINE (TYP.)
4. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
5. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
6. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
7. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
8. 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
10. 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (5 MINIMUM) (TYP.)
11. 12" SOLID WHITE SCHOOL CROSSWALK (TYP.)
12. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
13. 24" SOLID WHITE STOP BAR (TYP.)
14. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)

MODIFIED URETHANE PAVEMENT MARKING LEGEND

15. LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
16. 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
17. 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
18. 4" SINGLE SOLID YELLOW LINE (TYP.)
19. 4" SINGLE SOLID WHITE LINE (TYP.)
20. 6" SINGLE SOLID WHITE TURN LANE (TYP.)
21. 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)
22. 6" SOLID WHITE CROSSWALK, 2 @ 6' C-C (TYP.)
23. 6" SOLID WHITE BICYCLE CROSSWALK (TYP.)
24. 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
25. 12" DIAGONAL @ 45 DEG. SOLID WHITE LINE @ 75' C-C (5 MINIMUM) (TYP.)
26. 12" SOLID WHITE BICYCLE CROSSWALK (TYP.)
27. 24" SOLID WHITE STOP BAR (TYP.)
28. 6" SKIP DASH WHITE TURN LANE, 3' DASH - 9' SKIP (TYP.)

ROADWAY LEGEND

- A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
- B. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-01B
- C. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12
- D. PROPOSED CONCRETE MEDAIN SURFACE, 6" AND COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E. PROPOSED PAVEMENT WIDENING
- F. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, ADA DETAIL PD-04A
- G. PROPOSED CURB RAMP REMOVAL, REPLACE W/TOPSOIL & SODD
- H. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)
- I. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D 7" SKIP DASH, 1.5" BLACK - 4" WHITE - 1.5" BLACK LINE, 10' DASH - 30' SKIP (GROOVED) (TYP.)



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USER NAME = nicholas.babul	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 1/31/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: | SHEET 10 OF 10 SHEETS | STA. 288+00 | TO STA. 318+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	20
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

STAGE CONSTRUCTION GENERAL NOTES

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED FOR EACH APPLICABLE PHASE. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT.

A MINIMUM OF ONE LANE (11 FEET) IN EACH DIRECTION OF EAST STATE STREET AND ALL SHOWN TURN LANES SHALL BE KEPT OPEN TO THROUGH TRAFFIC AT ALL TIMES EXCEPT AS NOTED IN PLANS. ANY LANE CLOSURES MUST BE APPROVED BY THE ENGINEER. ANY WORK THAT RESTRICTS CONTINUOUS TWO-WAY TRAFFIC THRU MAJOR OR SIGNALIZED INTERSECTIONS SHALL BE COORDINATED BY THE CONTRACTOR AND SHALL NOT BE PERFORMED BETWEEN 7-9 AM AND EASTBOUND AND 4-6 PM WESTBOUND OR THIS NECESSARY COORDINATION AND EXECUTION SHALL BE INCLUDED IN THE LUMP SUM COST FOR MAINTENANCE OF TRAFFIC.

TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED BY:

$$L = \frac{W \times S^2}{60}$$

WHERE EQUATION IS FOR SPEED LIMIT OF 45 MPH OR LESS.
THE TERMS ARE DEFINED AS FOLLOWS:

L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED IN MPH.

ALL W21 WORKER SIGNS ARE TO BE REMOVED WHEN THE CONTRACTOR IS ABSENT FOR MORE THAN 1 HOUR.

ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE, TYPE IV (AND/OR MODIFIED URETHANE) USED FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL-WATER BLASTING"

CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL ROAD CLOSURE, TRAFFIC STAGE CHANGES, AND NEW TRAFFIC SIGNAL TURN-ON EVENTS ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE (DETERMINED BY THE ENGINEER) PLACED AS DIRECTED BY THE ENGINEER.

DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO 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 24" 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.

THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

TEMPORARY INFORMATION SIGNS ON TEMPORARY SUPPORTS SHALL BE PROVIDED FOR ALL COMMERCIAL DRIVEWAYS THAT ARE LOCATED WITHIN A WORK AREA. THIS WORK SHALL BE PAID FOR PER DISTRICT 1 DETAIL TC-26. THESE SIGNS SHALL BE RELOCATED AS REQUIRED FOR EACH CONSTRUCTION STAGE AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THIS SIGN RELOCATION WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

ACCESS TO BUSINESS AND RESIDENCES WITHIN THE WZ NEED TO BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SIDE STREETS AND DRIVEWAYS BY UTILIZING STAGED CONSTRUCTION, FLAGGERS, TEMPORARY ACCESS, OR OTHER METHODS APPROVED BY THE ENGINEER

TRAFFIC CONTROL AND PROTECTION

DAILY LANE CLOSURES WILL BE ALLOWED WHEN SNOW REMOVAL OPERATIONS WILL NOT BE EFFECTED.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE ILLINOIS DEPARTMENT OF TRANSPORATION AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS WILL BE REPLACED BY THE CONTRACTOR.

TYPE II AND/OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.

THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, SPECIAL.

WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.

ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ANY LANE CLOSURES.

CONSTRUCTION STAGING

THE FOLLOWING IS THE CONSTRUCTION STAGING FOR THE PROJECT. THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORIST. THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER. PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE. SUBSTAGE SIDE ROADS AND ENTRANCES TO MAINTAIN TRAFFIC FLOW.

STAGE 1

INSTALL ALL TRAFFIC CONTROL FOR STAGE 1
INSTALL EROSION CONTROL NECESSARY FOR STAGE 1
REMOVE EXISTING PAVEMENT AS SHOWN IN THE STAGE 1 MOT PLANS
INSTALL HMA PAVEMENT TO BINDER AND STORM SEWER TO EDGE OF STAGE 1 WORK ZONE

STAGE 1A

PRIOIR TO STAGE 1A CONSTRUCTION, CONTRACTOR SHALL REFER TO "WORK RESTRICTIONS" SPECIAL PROVISIONS
INSTALL ALL TRAFFIC CONTROL FOR STAGE 1A
INSTALL EROSION CONTROL NECESSARY FOR STAGE 1A
REMOVE EXISTING PAVEMENT AS SHOWN IN THE STAGE 1A MOT PLANS
INSTALL HMA PAVEMENT TO BINDER AND STORM SEWER TO EDGE OF STAGE 1A WORK ZONE

STAGE 1B

PRIOIR TO STAGE 1B CONSTRUCTION, CONTRACTOR SHALL REFER TO "WORK RESTRICTIONS" SPECIAL PROVISIONS
INSTALL ALL TRAFFIC CONTROL FOR STAGE 1B
INSTALL EROSION CONTROL NECESSARY FOR STAGE 1B
REMOVE EXISTING PAVEMENT AS SHOWN IN THE STAGE 1B MOT PLANS
INSTALL HMA PAVEMENT TO BINDER AND STORM SEWER TO EDGE OF STAGE 1B WORK ZONE

STAGE 2

INSTALL ALL TRAFFIC CONTROL FOR STAGE 2
INSTALL ALL NECESSARY EROSION CONTROL FOR STAGE 2
REMOVE EXISTING PAVEMENT AS SHOWN IN THE STAGE 2 MOT PLANS
INSTALL STAGE 2 HMA PAVEMENT

STAGE 3

INSTALL FINAL LANDSCAPING & HMA SURFACE

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FILE NAME: W:\191-150 IDOT_208010_TO4_North Avenue Storm Sewer\CADD Sheets\D124320-sit-staging_gennote.dgn

BLA, Inc.

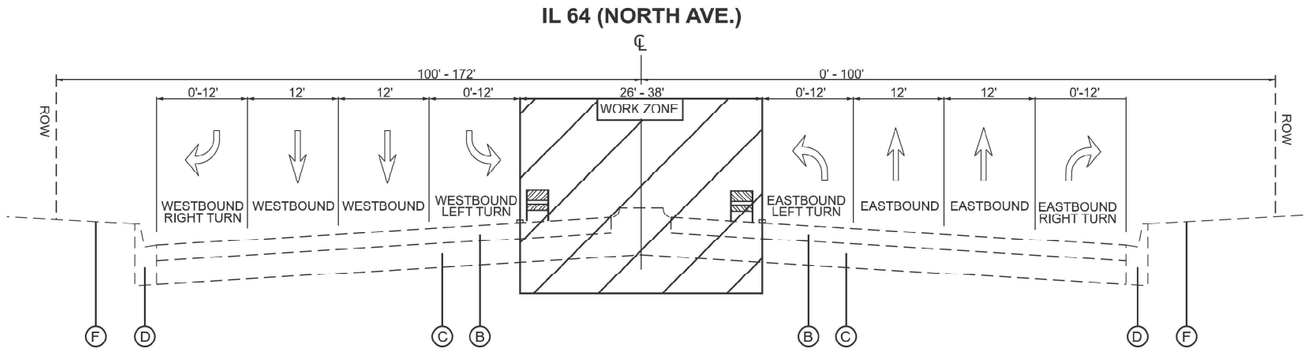
USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANS
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

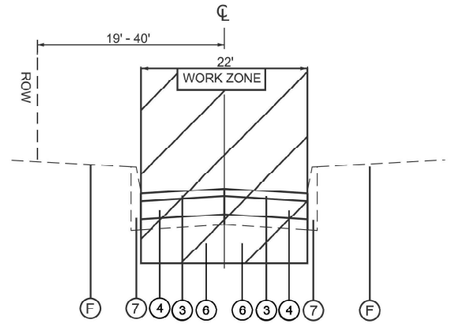
SCALE: 1"=50' | SHEET 1 OF 9 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	21
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		



STAGE 1 - IL 64 (NORTH AVENUE)

STA. 151+00.00 TO STA. 229+31.00



STAGE 1 - NORTH FRONTAGE ROAD

STA. 00+29.60 TO STA. 5+62.76

LEGEND - EXISTING

- (A) EX. CONCRETE PAVEMENT (R)
- (B) EX. HOT MIX ASPHALT PAVEMENT
- (C) EX. AGGREGATAE SUBGRADE
- (D) EX. COMBINATION CURB & GUTTER, TYPE B-6.12
- (E) EX. BARRIER CURB
- (F) EX. GROUND

LEGEND - PROPSED

1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 MIX "F", N80, 1-3/4"
2. POLYMERIZED HOT MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"
3. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
4. HOT-MIX ASPHALT BASE COURSE, 5"
5. HOT-MIX ASPHALT BASE COURSE, 12"
6. AGGREGATE SUBGRADE IMPROVEMENT, 12"
7. COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT, LOCATIONS DETERMINED BY THE RESIDENT ENGINEER

WORK ZONE

WORK ZONE PAVEMENT MARKING

DIRECTION OF TRAFFIC

TYPE II BARRICADE OR DRUM

MODEL: TYPS-1 [Sheet]
FILE NAME: W:\191-150 IDOT_208010_TO4_North Avenue Storm Sewer\CADD Sheets\D124320-slt-staging\Typical.dgn

BLA, Inc.

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/29/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

SCALE: 1"=50' | SHEET 2 OF 9 SHEETS | STA. N/A | TO STA. N/A

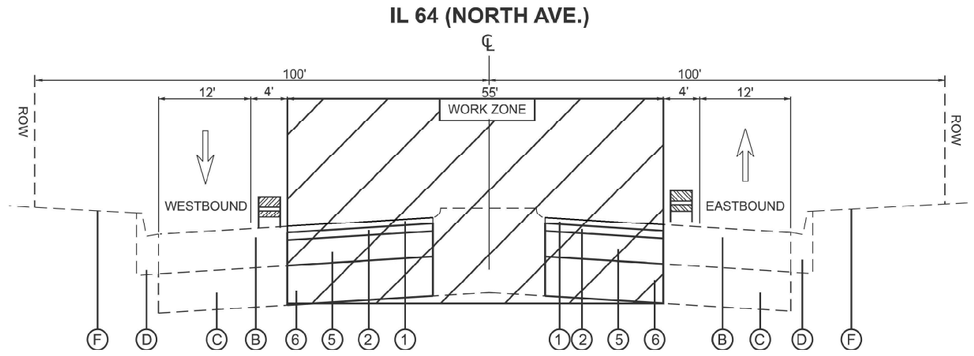
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	22
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

LEGEND - EXISTING

- (A) EX. CONCRETE PAVEMENT (R)
- (B) EX. HOT MIX ASPHALT PAVEMENT
- (C) EX. AGGREGATAE SUBGRADE
- (D) EX. COMBINATION CURB & GUTTER, TYPE B-6.12
- (E) EX. GROUND

LEGEND - PROPSED

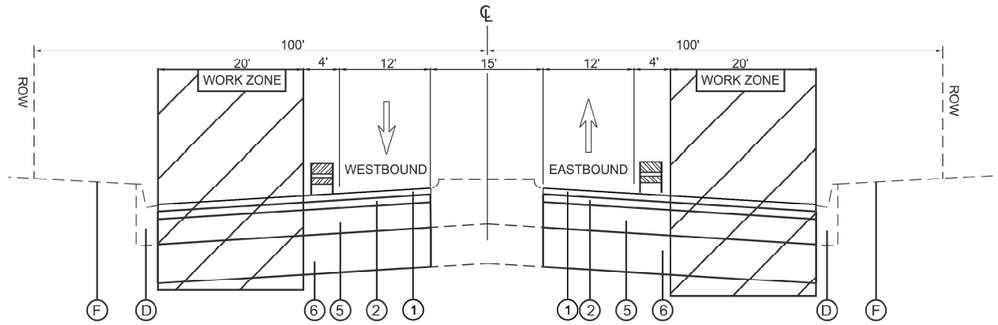
1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 MIX "F", N80, 1-3/4"
2. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"
3. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
4. HOT-MIX ASPHALT BASE COURSE, 5"
5. HOT-MIX ASPHALT BASE COURSE, 12"
6. AGGREGATE SUBGRADE IMPROVEMENT, 12"
7. COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT, LOCATIONS DETERMINED BY THE RESIDENT ENGINEER



STAGE 1A - RAILROAD VIADUCT PAVEMENT PATCHING

STA. 229+31.00 TO STA. 231+87.00

NOTE: THE HMA BASE COURSE 12" SHALL BE PLACED TO MATCH EXITING PAVEMENT ELEVATION AND SHALL BE MILLED DURING HMA SURFACE REMOVAL 3-3/4" OPERATIONS.



STAGE 1B - RAILROAD VIADUCT PAVEMENT PATCHING

STA. 229+31.00 TO STA. 231+87.00

WORK ZONE

TYPE II BARRICADE OR DRUM

WORK ZONE PAVEMENT MARKING

DIRECTION OF TRAFFIC

MODEL: TYPS-2 [Sheet]
FILE NAME: W:\191-190 IDOT_208010_TO4_North Avenue Storm Sewer\CADD Sheets\D124220-sht-stagingTypdcal.dgn

BLA, Inc.

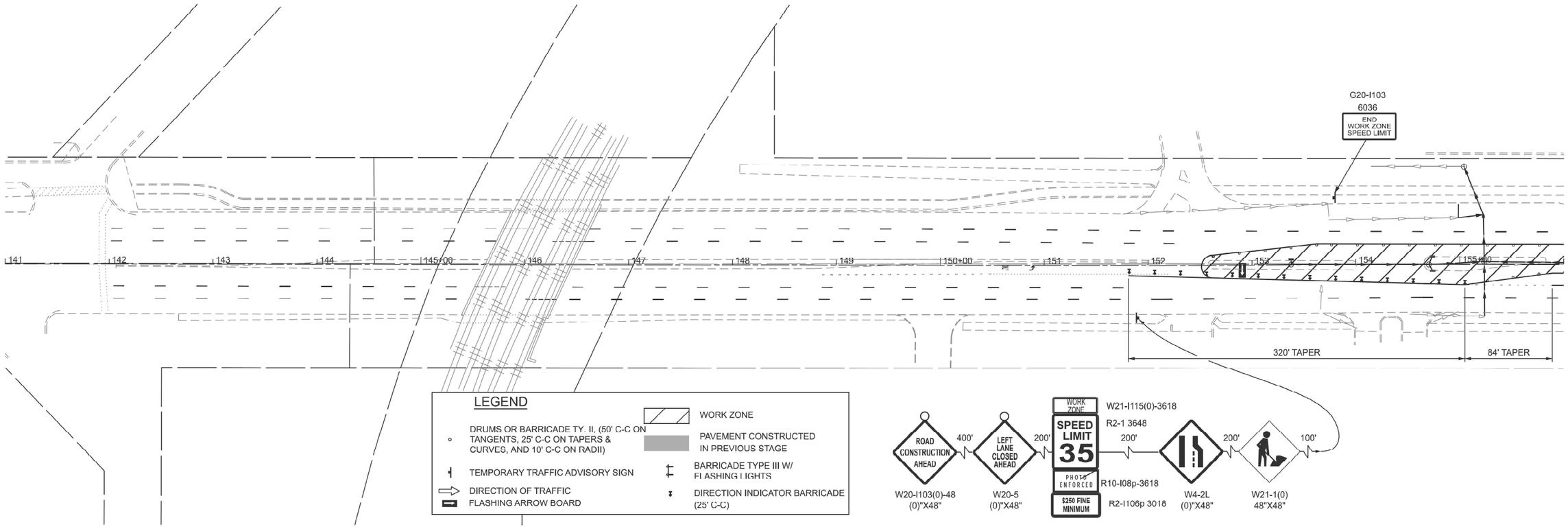
USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/29/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

SCALE: 1"=50' | SHEET 3 OF 9 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	23
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



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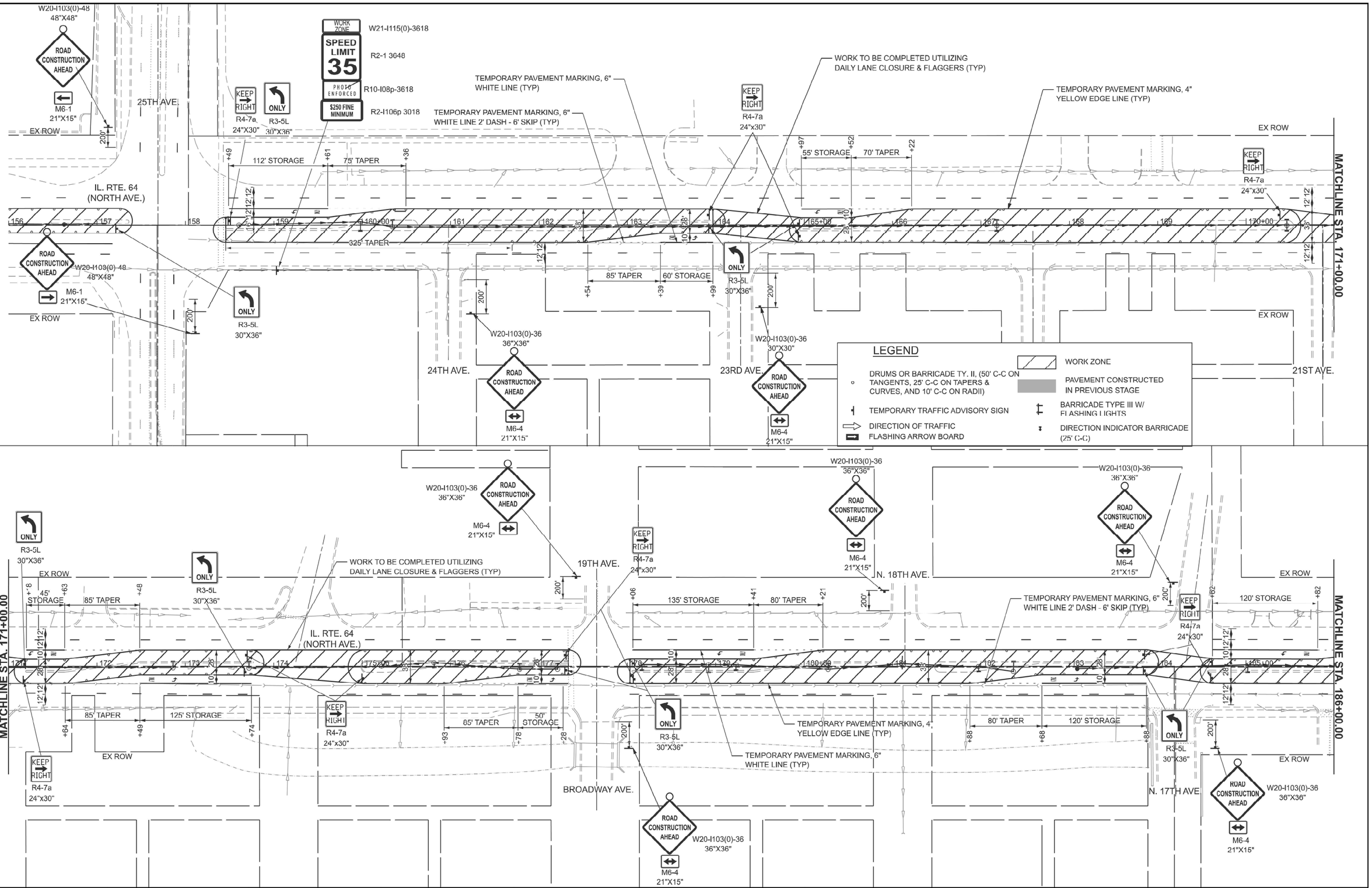
BLA, Inc.	USER NAME = jrodriguez	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 2/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANS - STAGE 1
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

SCALE: 1"=50' | SHEET 4 OF 9 SHEETS | STA. 141+00.00 | TO STA. 156+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	24
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



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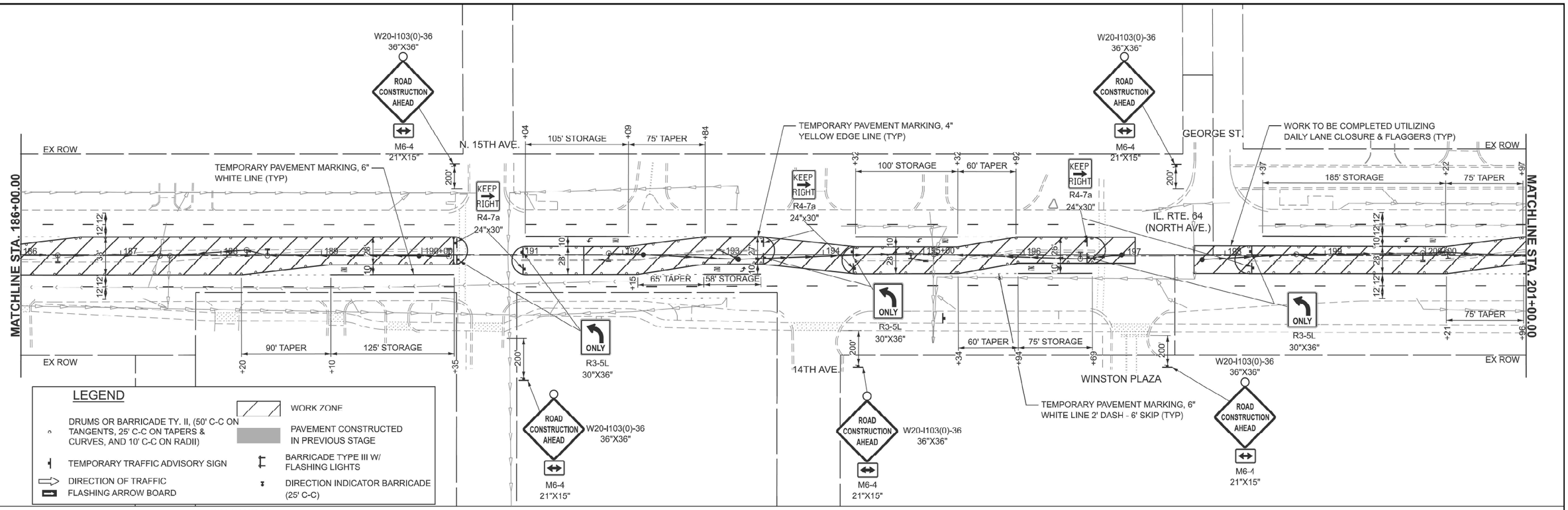
BLA, Inc.	USER NAME = jrodriguez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN -	REVISED -	
		CHECKED -	REVISED -	
	PLOT DATE = 2/26/2025	DATE -	REVISED -	

MAINTENANCE OF TRAFFIC PLANS -STAGE 1
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

SCALE: 1"=50' | SHEET 5 OF 9 SHEETS | STA. 156+00.00 | TO STA. 186+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	25
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



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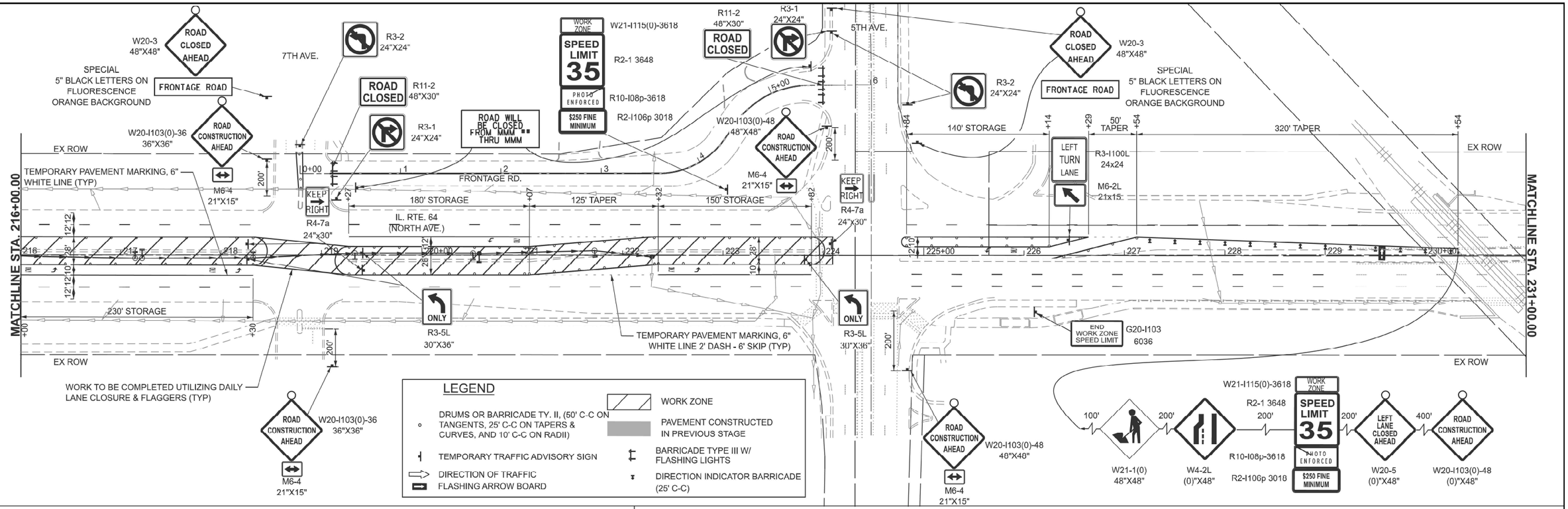
BLA, Inc.	USER NAME = jrodriguez	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 1/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANS - STAGE 1
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

SCALE: 1"=50' | SHEET 6 OF 9 SHEETS | STA. 186+00.00 | TO STA. 216+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	26
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



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BLA, Inc.

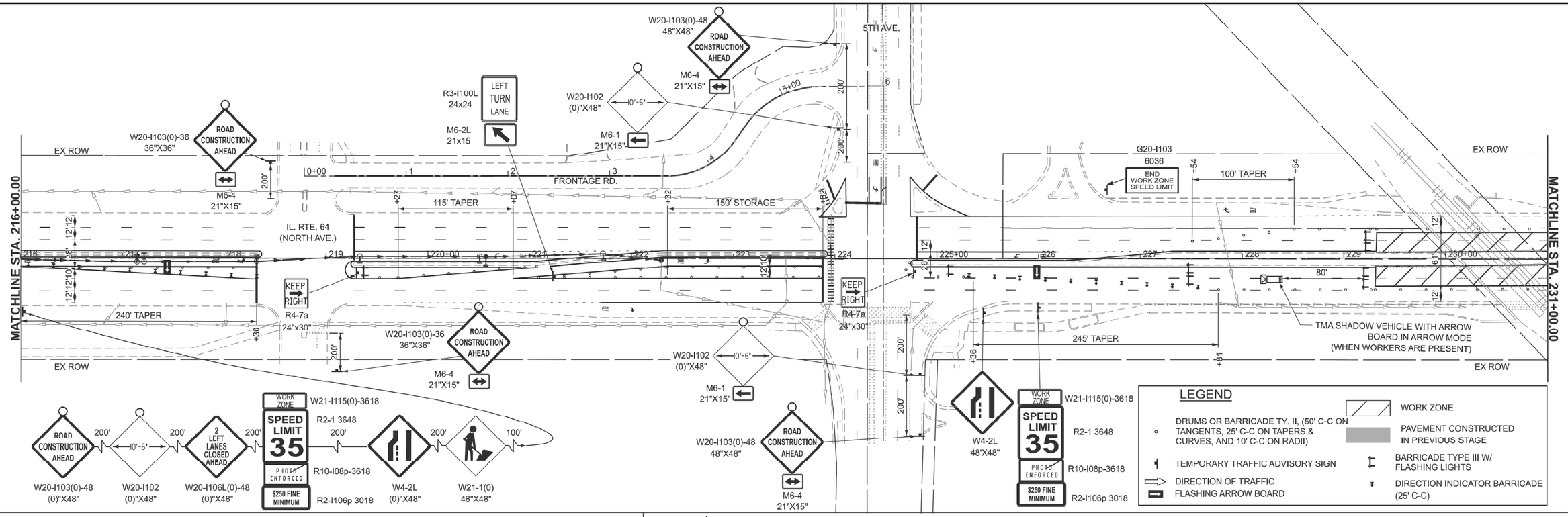
USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANS - STAGE 1
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

SCALE: 1"=50' | SHEET 7 OF 9 SHEETS | STA. 216+00.00 | TO STA. 246+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	27
		CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		



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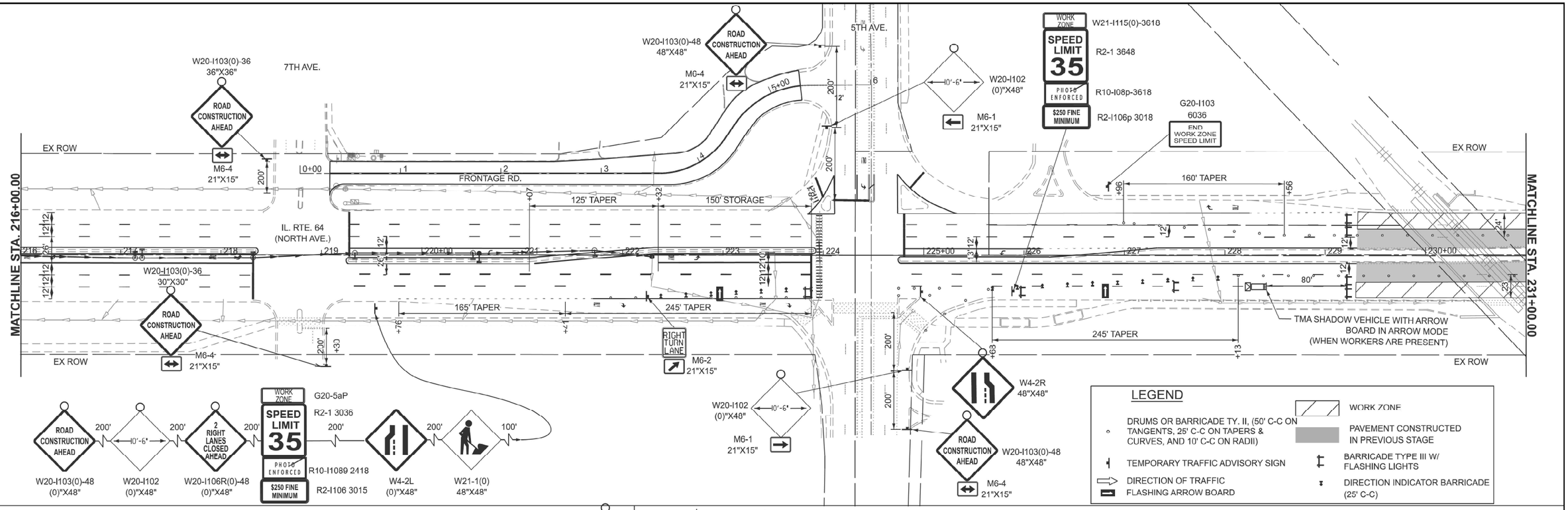
BLA, Inc.	USER NAME = jrodriguez	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 2/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANS - STAGE 1A
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

SCALE: 1"=50' | SHEET 8 OF 9 SHEETS | STA. 216+00.00 | TO STA. 246+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	28
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



BLA, Inc.	USER NAME = jrodriguez	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 1/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANS - STAGE 1B
IL.RTE. 64 (NORTH AVE.) (I-294 TO IL.RTE 43(HARLEM AVE.))
AND NORTH SIDE FRONTAGE RD. (7TH AVE. - 5TH AVE.)

SCALE: 1"=50' | SHEET 9 OF 9 SHEETS | STA. 216+00.00 | TO STA. 246+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	29
		CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		

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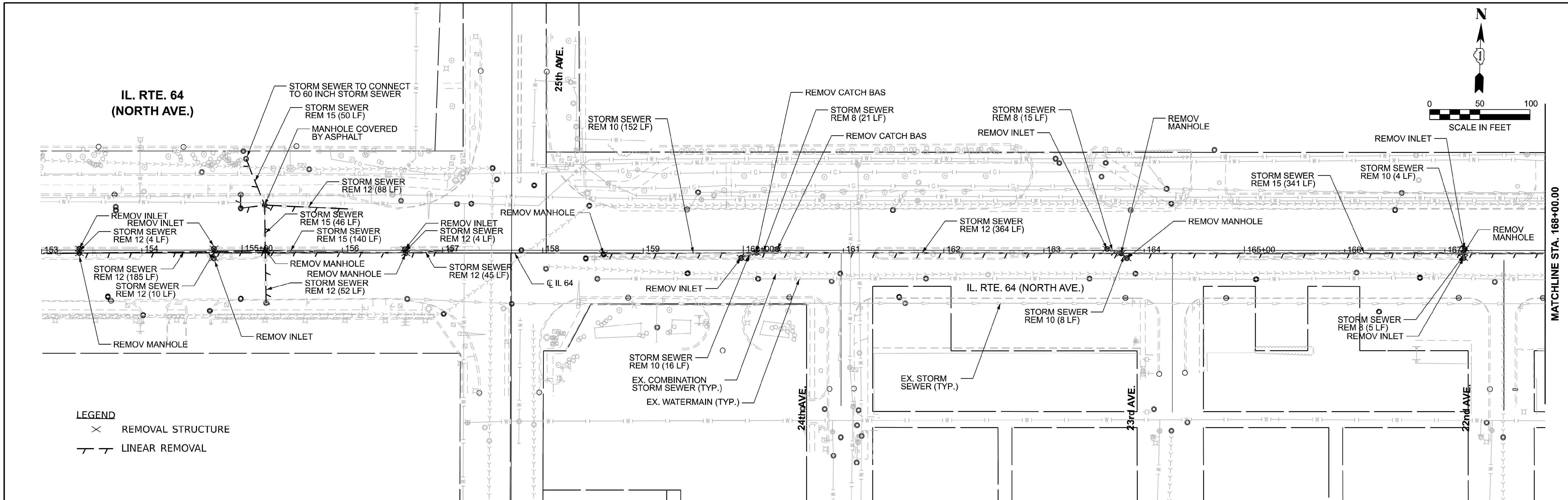

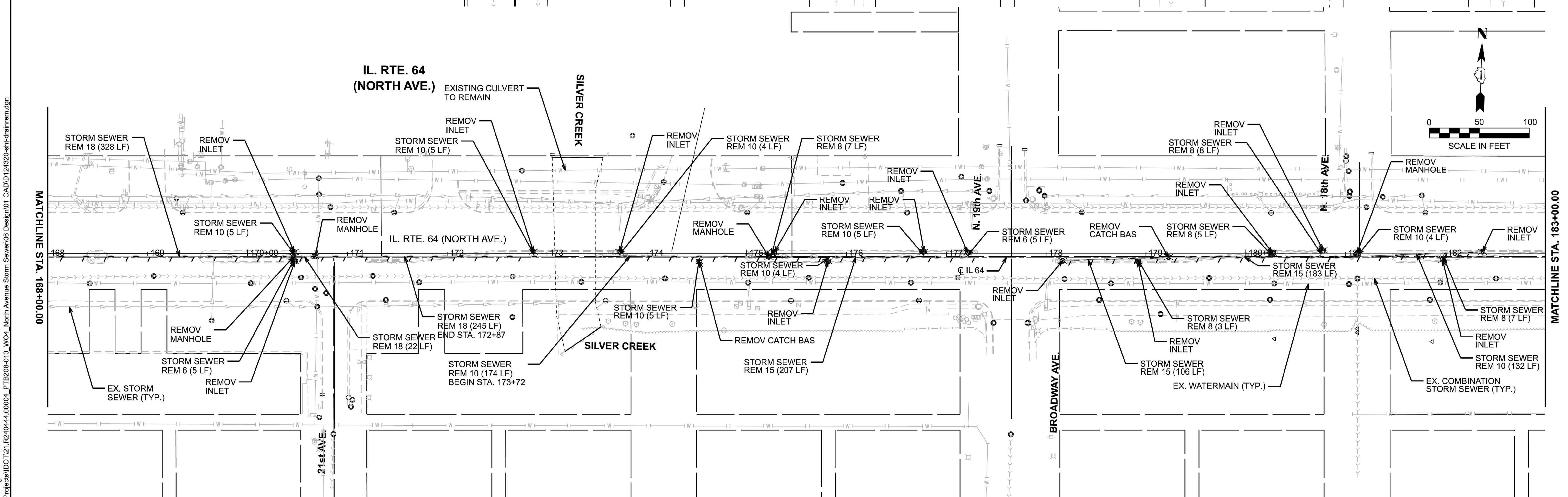

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GASPEREC ELBERTS CONSULTING

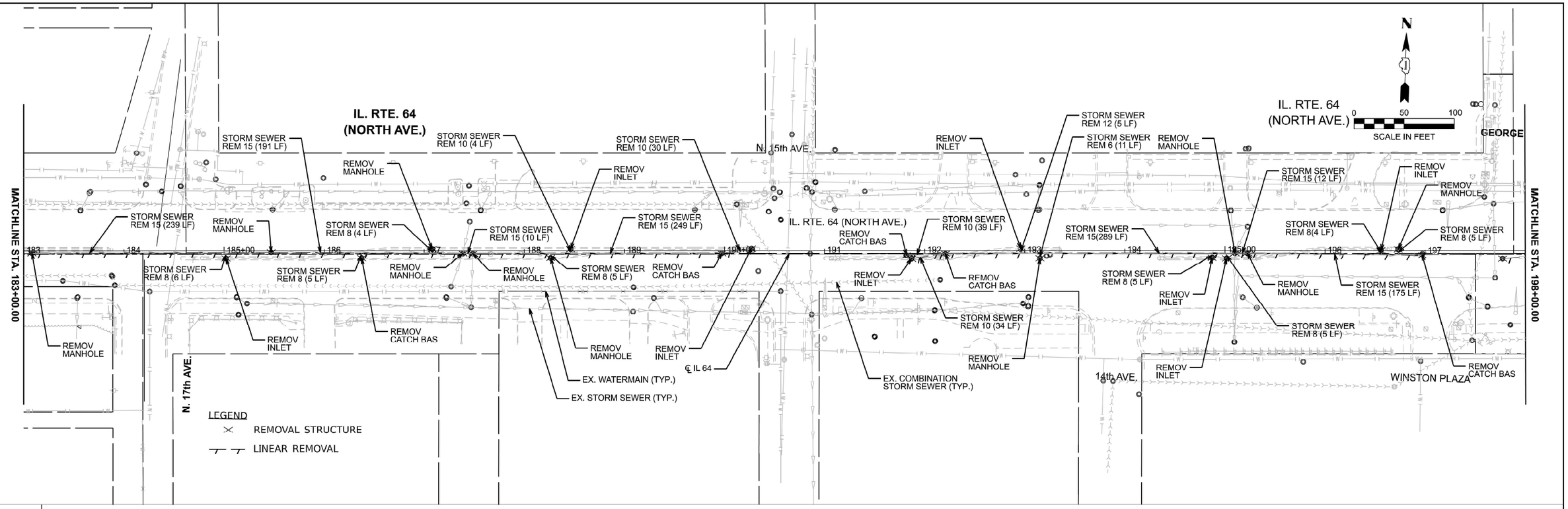
USER NAME = mweber	DESIGNED - MAW	REVISED -
	DRAWN - PA	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED - MJM	REVISED -
PLOT DATE = 1/28/2025	DATE - 05-03-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE AND REMOVAL PLAN
IL. RTE. 64(NORTH AVE.) (I-294 TO IL. RTE. 43(HARLEM AVE.))

SCALE: 1"=50' | SHEET 1 OF 5 SHEETS | STA. 153+00.00 TO STA. 183+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	30
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		



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USER NAME = mweber	DESIGNED - MAW	REVISED -	
	DRAWN - PA	REVISED -	
PLOT SCALE = 0.10000007 ' / In.	CHECKED - MJM	REVISED -	
PLOT DATE = 1/28/2025	DATE - 05-03-2024	REVISED -	

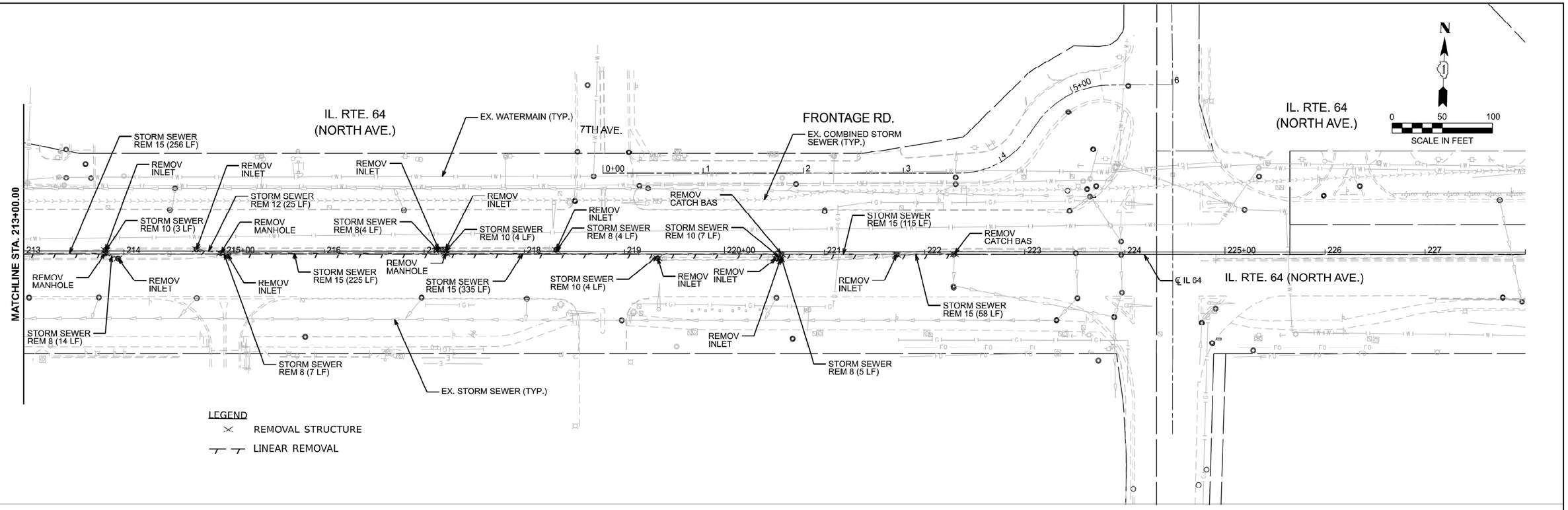
GASPEREC ELBERTS CONSULTING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE AND REMOVAL PLAN
IL. RTE. 64(NORTH AVE.) (I-294 TO IL. RTE. 43(HARLEM AVE.))

SCALE: 1"=50' | SHEET 2 OF 5 SHEETS | STA. 183+00.00 | TO STA. 213+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	31
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



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GASPEREC ELBERTS

USER NAME = mweber	DESIGNED - MAW	REVISED -	**STATE OF ILLINOIS**	**EXISTING DRAINAGE AND REMOVAL PLAN**
	DRAWN - PA	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**IL. RTE. 64(NORTH AVE.) (I-294 TO IL. RTE. 43(HARLEM AVE.))**
PLOT SCALE = 0.10000007 ' / In.	CHECKED - MJM	REVISED -		SCALE: 1"=50' | SHEET 3 OF 5 SHEETS | STA. 213+00.00 TO STA. 228+00.00
PLOT DATE = 1/28/2025	DATE - 05-03-2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	32
		CONTRACT NO. 62J79		
	ILLINOIS | FED. AID PROJECT			

DRAINAGE PIPE REMOVAL SCHEDULE				
DIA. (IN)	LENGTH (FT)	PAY ITEM	TRENCH BACKFILL (CU YD)	EXCAVATION (CU YD)
10	152.38	STORM SEWER REMOVAL 10"	110.12	115.65
10	16.07	STORM SEWER REMOVAL 10"	4.73	5.40
12	363.87	STORM SEWER REMOVAL 12"	107.24	127.92
8	21.19	STORM SEWER REMOVAL 8"	6.34	6.95
8	14.65	STORM SEWER REMOVAL 8"	4.85	5.27
15	341.45	STORM SEWER REMOVAL 15"	313.40	344.84
10	7.57	STORM SEWER REMOVAL 10"	7.69	7.96
8	5.07	STORM SEWER REMOVAL 8"	3.35	3.44
18	327.86	STORM SEWER REMOVAL 18"	313.35	356.83
10	4.35	STORM SEWER REMOVAL 10"	2.85	3.01
6	4.67	STORM SEWER REMOVAL 6"	1.61	1.69
18	21.63	STORM SEWER REMOVAL 18"	18.70	21.57
10	4.83	STORM SEWER REMOVAL 10"	1.80	2.00
18	244.51	STORM SEWER REMOVAL 18"	108.20	136.65
10	4.70	STORM SEWER REMOVAL 10"	1.31	1.51
10	4.16	STORM SEWER REMOVAL 10"	1.12	1.30
10	5.03	STORM SEWER REMOVAL 10"	1.50	1.71
10	173.74	STORM SEWER REMOVAL 10"	59.17	66.41
8	7.32	STORM SEWER REMOVAL 8"	2.37	2.58
10	4.02	STORM SEWER REMOVAL 10"	1.20	1.37
10	5.28	STORM SEWER REMOVAL 10"	1.45	1.67
15	206.92	STORM SEWER REMOVAL 15"	57.96	75.34
8	2.87	STORM SEWER REMOVAL 8"	0.77	0.85
15	106.17	STORM SEWER REMOVAL 15"	33.74	42.65
8	4.57	STORM SEWER REMOVAL 8"	1.16	1.29
8	7.71	STORM SEWER REMOVAL 8"	0.80	1.03
8	6.66	STORM SEWER REMOVAL 8"	1.90	2.09
10	131.63	STORM SEWER REMOVAL 10"	36.15	41.63
15	239.15	STORM SEWER REMOVAL 15"	75.99	96.07
8	5.96	STORM SEWER REMOVAL 8"	1.70	1.87
15	191.46	STORM SEWER REMOVAL 15"	74.68	90.76
8	5.28	STORM SEWER REMOVAL 8"	1.36	1.52
8	4.25	STORM SEWER REMOVAL 8"	1.06	1.18
15	9.88	STORM SEWER REMOVAL 15"	6.91	7.82
8	4.66	STORM SEWER REMOVAL 8"	1.44	1.57
10	4.44	STORM SEWER REMOVAL 10"	1.18	1.36
15	248.79	STORM SEWER REMOVAL 15"	97.05	117.94
10	29.89	STORM SEWER REMOVAL 10"	8.94	10.18
10	34.21	STORM SEWER REMOVAL 10"	10.56	11.99
10	38.83	STORM SEWER REMOVAL 10"	10.47	12.09
15	289.46	STORM SEWER REMOVAL 15"	107.89	132.20
6	4.82	STORM SEWER REMOVAL 6"	1.09	1.18
8	4.68	STORM SEWER REMOVAL 8"	1.10	1.24
8	5.41	STORM SEWER REMOVAL 8"	1.41	1.57
15	12.19	STORM SEWER REMOVAL 15"	5.11	6.13

DRAINAGE PIPE REMOVAL SCHEDULE				
DIA. (IN)	LENGTH (FT)	PAY ITEM	TRENCH BACKFILL (CU YD)	EXCAVATION (CU YD)
8	4.41	STORM SEWER REMOVAL 8"	1.06	1.19
8	5.74	STORM SEWER REMOVAL 8"	1.33	1.49
15	174.94	STORM SEWER REMOVAL 15"	125.21	141.32
10	94.00	STORM SEWER REMOVAL 10"	32.01	35.93
15	330.74	STORM SEWER REMOVAL 15"	263.92	294.37
10	15.63	STORM SEWER REMOVAL 10"	5.32	5.97
8	4.98	STORM SEWER REMOVAL 8"	1.42	1.57
8	3.67	STORM SEWER REMOVAL 8"	0.95	1.06
8	3.77	STORM SEWER REMOVAL 8"	0.94	1.05
15	57.80	STORM SEWER REMOVAL 15"	47.85	53.17
15	7.35	STORM SEWER REMOVAL 15"	5.45	6.13
10	4.13	STORM SEWER REMOVAL 10"	1.33	1.51
10	3.94	STORM SEWER REMOVAL 10"	0.41	0.57
15	78.44	STORM SEWER REMOVAL 15"	93.16	100.38
15	475.73	STORM SEWER REMOVAL 15"	184.20	224.15
8	5.36	STORM SEWER REMOVAL 8"	1.35	1.50
8	5.46	STORM SEWER REMOVAL 8"	1.29	1.44
8	4.49	STORM SEWER REMOVAL 8"	1.49	1.62
8	5.17	STORM SEWER REMOVAL 8"	1.63	1.78
15	304.39	STORM SEWER REMOVAL 15"	220.73	248.75
10	4.31	STORM SEWER REMOVAL 10"	1.11	1.29
8	3.74	STORM SEWER REMOVAL 8"	0.66	0.77
10	3.64	STORM SEWER REMOVAL 10"	0.74	0.89
8	3.62	STORM SEWER REMOVAL 8"	0.78	0.88
15	335.48	STORM SEWER REMOVAL 15"	80.00	108.17
8	7.00	STORM SEWER REMOVAL 8"	1.40	1.60
15	224.80	STORM SEWER REMOVAL 15"	66.62	85.49
12	24.67	STORM SEWER REMOVAL 12"	7.14	8.54
10	3.12	STORM SEWER REMOVAL 10"	0.70	0.83
8	13.62	STORM SEWER REMOVAL 8"	2.22	2.62
15	255.88	STORM SEWER REMOVAL 15"	289.65	313.21
8	3.85	STORM SEWER REMOVAL 8"	1.00	1.11
8	4.37	STORM SEWER REMOVAL 8"	1.08	1.21
15	166.68	STORM SEWER REMOVAL 15"	53.44	67.44
15	57.72	STORM SEWER REMOVAL 15"	14.16	19.01
8	4.94	STORM SEWER REMOVAL 8"	1.03	1.17
10	6.72	STORM SEWER REMOVAL 10"	1.78	2.06
15	114.89	STORM SEWER REMOVAL 15"	28.53	38.18
6	4.58	STORM SEWER REMOVAL 6"	0.93	1.02
15	182.91	STORM SEWER REMOVAL 15"	65.53	80.89

MODEL: Removal Sched Pipes
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GASPEREC ELBERTS ASSOCIATES

USER NAME = amohammed	DESIGNED - MAW	REVISED -	
	DRAWN - PA	REVISED -	
PLOT SCALE = 0.10000000 ' / In.	CHECKED - MJM	REVISED -	
PLOT DATE = 1/23/2025	DATE - 05-25-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE AND REMOVAL PIPE SCHEDULE
IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))

SCALE: NTS | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	33
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

DRAINAGE STRUCTURE REMOVAL SCHEDULE				
STATION	OFFSET	SIDE	RIM ELEVATION	PAY ITEM
158+42.95	5.27	RT	633.92	REMOVING INLETS
158+60.69	1.02	RT	633.80	REMOVING MANHOLES
159+97.83	4.65	RT	633.94	REMOVING INLETS
160+13.07	0.46	LT	634.31	REMOVING CATCH BASINS
160+33.95	4.08	LT	633.62	REMOVING CATCH BASINS
163+63.00	4.95	LT	633.34	REMOVING INLETS
163+76.94	0.43	LT	633.06	REMOVING MANHOLES
163+82.87	4.29	RT	633.16	REMOVING MANHOLES
167+18.46	4.32	RT	631.50	REMOVING INLETS
167+18.39	1.07	LT	631.70	REMOVING MANHOLES
167+19.74	5.20	LT	631.75	REMOVING INLETS
170+47.40	4.16	RT	629.96	REMOVING INLETS
170+46.25	0.37	LT	630.00	REMOVING MANHOLES
170+46.87	5.15	LT	629.99	REMOVING INLETS
170+67.87	0.92	LT	629.61	REMOVING MANHOLES
172+86.40	5.46	LT	629.13	REMOVING INLETS
173+72.44	5.48	LT	629.06	REMOVING INLETS
174+52.55	4.33	RT	628.62	REMOVING CATCH BASINS
175+22.22	0.18	LT	629.30	REMOVING MANHOLES
175+27.67	5.07	LT	628.98	REMOVING INLETS
175+81.64	3.87	RT	629.13	REMOVING INLETS
176+77.42	5.39	LT	629.15	REMOVING INLETS
177+21.23	4.68	LT	628.84	REMOVING INLETS
178+16.45	3.63	RT	629.27	REMOVING INLETS
178+91.99	4.12	RT	629.28	REMOVING INLETS
179+22.57	0.28	LT	628.93	REMOVING CATCH BASINS
180+26.51	4.53	LT	629.35	REMOVING INLETS
180+77.36	6.87	LT		REMOVING INLETS
181+97.28	2.73	RT	629.23	REMOVING INLETS
182+37.01	5.35	LT	629.40	REMOVING INLETS
183+08.01	1.14	LT	629.03	REMOVING MANHOLES
185+01.94	3.95	RT	629.42	REMOVING INLETS
185+47.16	2.20	LT	629.06	REMOVING MANHOLES
186+37.40	3.63	RT	629.35	REMOVING CATCH BASINS
187+07.93	5.40	LT	629.18	REMOVING MANHOLES
187+38.61	0.99	LT	629.75	REMOVING MANHOLES
187+48.50	0.89	LT	629.78	REMOVING MANHOLES
188+26.30	3.66	LT	629.14	REMOVING MANHOLES
188+46.29	5.33	LT	629.43	REMOVING INLETS
189+97.29	0.87	LT	629.22	REMOVING CATCH BASINS
190+26.80	5.57	LT	628.92	REMOVING INLETS
191+86.77	4.66	RT	629.51	REMOVING INLETS
191+81.81	1.21	RT	629.24	REMOVING CATCH BASINS
192+20.60	0.41	LT	629.29	REMOVING CATCH BASINS
193+15.17	4.35	RT	629.27	REMOVING MANHOLES
193+25.31	0.75	RT		REMOVING INLETS
194+87.05	4.13	RT	629.46	REMOVING INLETS
195+01.52	4.68	RT	629.45	REMOVING INLETS
195+09.86	0.57	LT	629.35	REMOVING MANHOLES
195+22.25	0.55	LT	629.34	REMOVING MANHOLES

DRAINAGE STRUCTURE REMOVAL SCHEDULE				
STATION	OFFSET	SIDE	RIM ELEVATION	PAY ITEM
196+55.87	4.47	LT	629.59	REMOVING INLETS
196+73.09	5.71	LT	629.33	REMOVING MANHOLES
196+97.00	0.39	LT	629.48	REMOVING CATCH BASINS
198+71.06	1.34	LT	629.42	REMOVING MANHOLES
198+86.02	3.18	RT	629.80	REMOVING INLETS
199+96.82	3.77	RT	629.74	REMOVING INLETS
200+21.22	2.49	RT	629.65	REMOVING INLETS
201+31.74	4.84	LT	629.51	REMOVING INLETS
202+01.80	1.00	LT	629.17	REMOVING MANHOLES
202+59.61	1.24	LT	629.16	REMOVING MANHOLES
202+66.93	0.82	LT	629.16	REMOVING MANHOLES
202+74.27	5.11	LT	629.58	REMOVING INLETS
203+21.36	4.95	LT		REMOVING INLETS
204+13.25	1.07	LT	629.47	REMOVING MANHOLES
211+25.49	0.08	LT	630.34	REMOVING MANHOLES
210+47.06	0.77	LT	630.24	REMOVING MANHOLES
208+26.96	0.83	RT	630.65	REMOVING INLETS
207+86.01	4.47	RT	630.67	REMOVING INLETS
206+71.15	3.43	RT	629.87	REMOVING INLETS
205+71.48	4.02	RT	630.28	REMOVING INLETS
205+71.33	1.14	LT	629.87	REMOVING MANHOLES
219+33.11	3.57	RT	629.78	REMOVING INLETS
218+31.89	4.64	LT	629.74	REMOVING INLETS
217+21.05	4.70	LT	629.99	REMOVING INLETS
217+14.52	4.71	LT	629.98	REMOVING INLETS
217+21.52	1.09	LT	629.79	REMOVING MANHOLES
215+03.48	0.47	RT	630.43	REMOVING INLETS
214+96.71	1.31	LT	630.89	REMOVING MANHOLES
214+72.35	5.18	LT	630.47	REMOVING INLETS
213+94.02	3.99	RT	630.73	REMOVING INLETS
213+81.30	4.17	LT	630.58	REMOVING INLETS
213+81.37	1.06	LT	630.69	REMOVING MANHOLES
212+06.29	3.43	RT	630.69	REMOVING INLETS
211+71.54	4.09	RT	630.64	REMOVING MANHOLES
223.96.28	0.03	LT	628.56	REMOVING MANHOLES
222+29.60	0.82	LT	628.81	REMOVING CATCH BASINS
221+71.89	0.13	LT	629.15	REMOVING INLETS
220+55.99	4.31	RT	629.59	REMOVING INLETS
220+51.76	3.68	RT	629.53	REMOVING INLETS
220+57.00	0.53	LT	629.08	REMOVING CATCH BASINS
181+11.08	3.52	LT		REMOVING MANHOLES
197+77.20	3.88	RT	629.52	REMOVING MANHOLES
192+96.02	5.31	LT	629.05	REMOVING INLETS

MODEL: Removal Sched Structures
FILE NAME: R:\Projects\DOT\21.R24.0444.00004_PTB208-010_WO4_North Avenue Storm Sewer\05 Design\01 CADD\124320-sht-dralnrem.dgn

GASPEREC ELBERTS

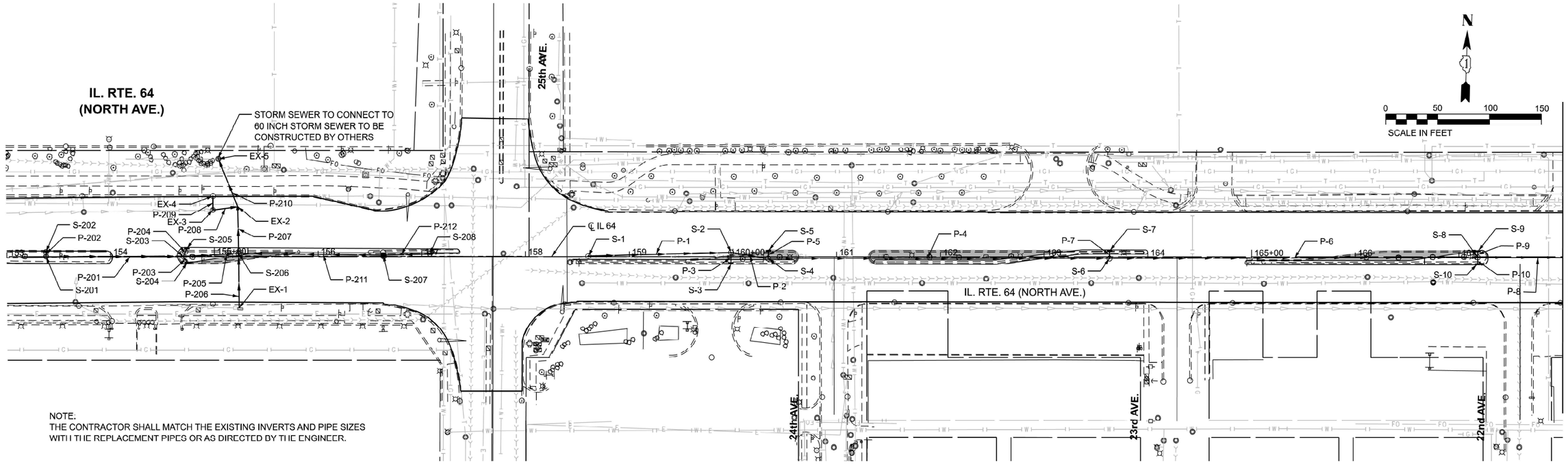
USER NAME = mweber	DESIGNED - MAW	REVISED -	
	DRAWN - PA	REVISED -	
PLOT SCALE = 0.10000000 ' / In.	CHECKED - MJM	REVISED -	
PLOT DATE = 1/24/2025	DATE - 05-25-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

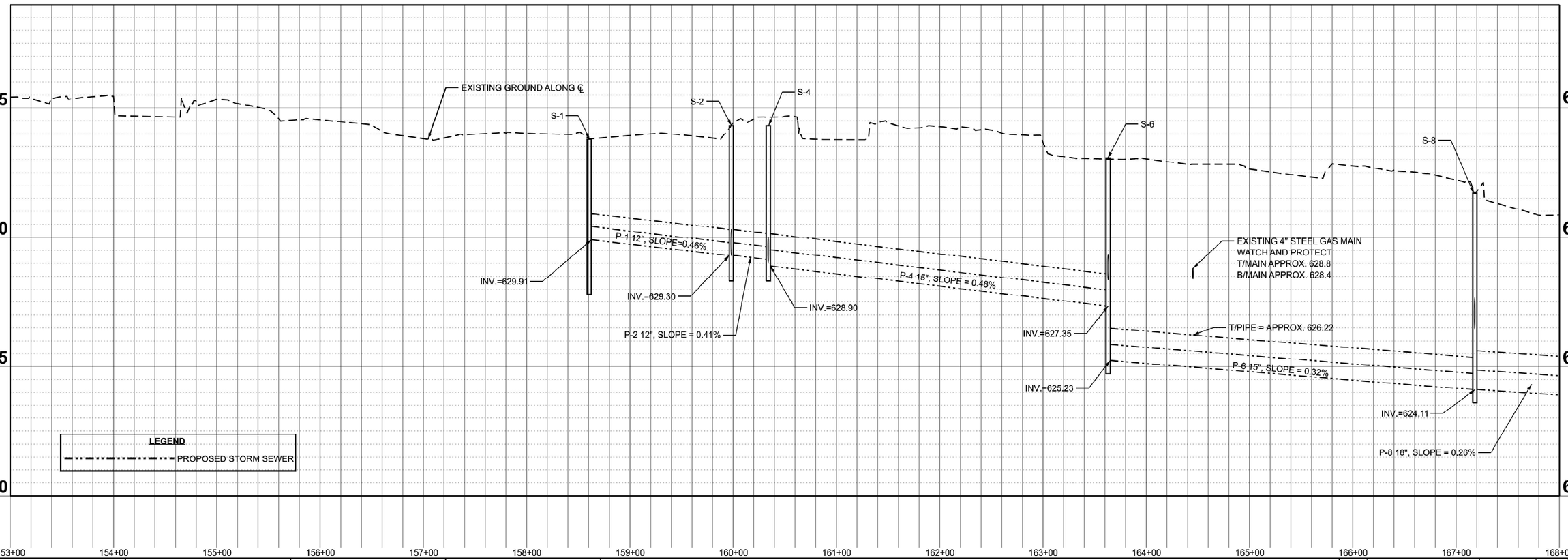
EXISTING DRAINAGE AND REMOVAL STRUCTURE SCHEDULE
IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	34
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



NOTE.
THE CONTRACTOR SHALL MATCH THE EXISTING INVERTS AND PIPE SIZES WITH THE REPLACEMENT PIPES OR AS DIRECTED BY THE ENGINEER.



MODEL: IL64 Pr Drain Plan and Profile
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GASPERECH ELBERTS

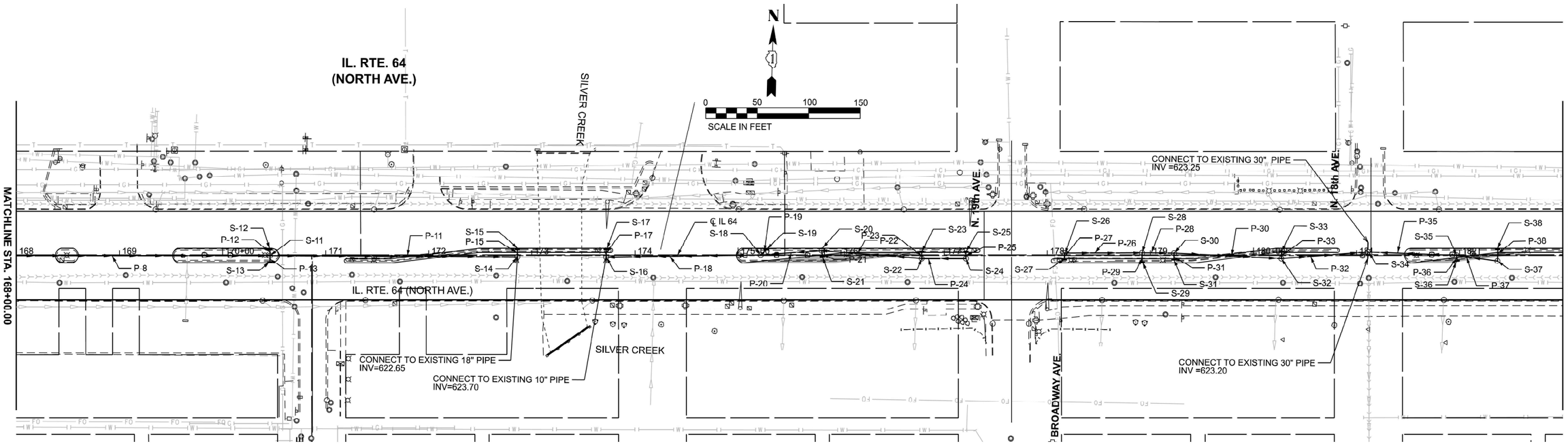
USER NAME = mweber	DESIGNED - SF	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MM	REVISED -	
PLOT DATE = 1/29/2025	DATE - 05-25-2024	REVISED -	

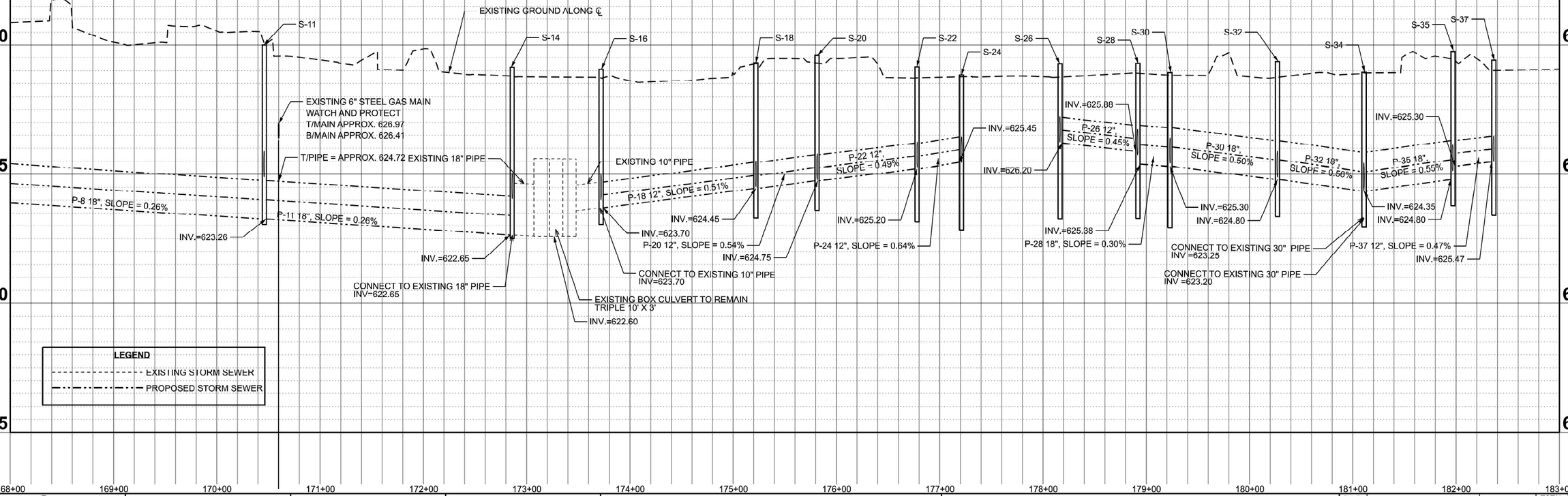
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN & PROFILE
IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))

SCALE: 1"=50' | SHEET 1 OF 7 SHEETS | STA. 153+00.00 TO STA. 168+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	35
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		





MODEL: IL64 Pr Drain Plan-1 and Profile
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GASPEREC ELBERTS GROUP, INC.

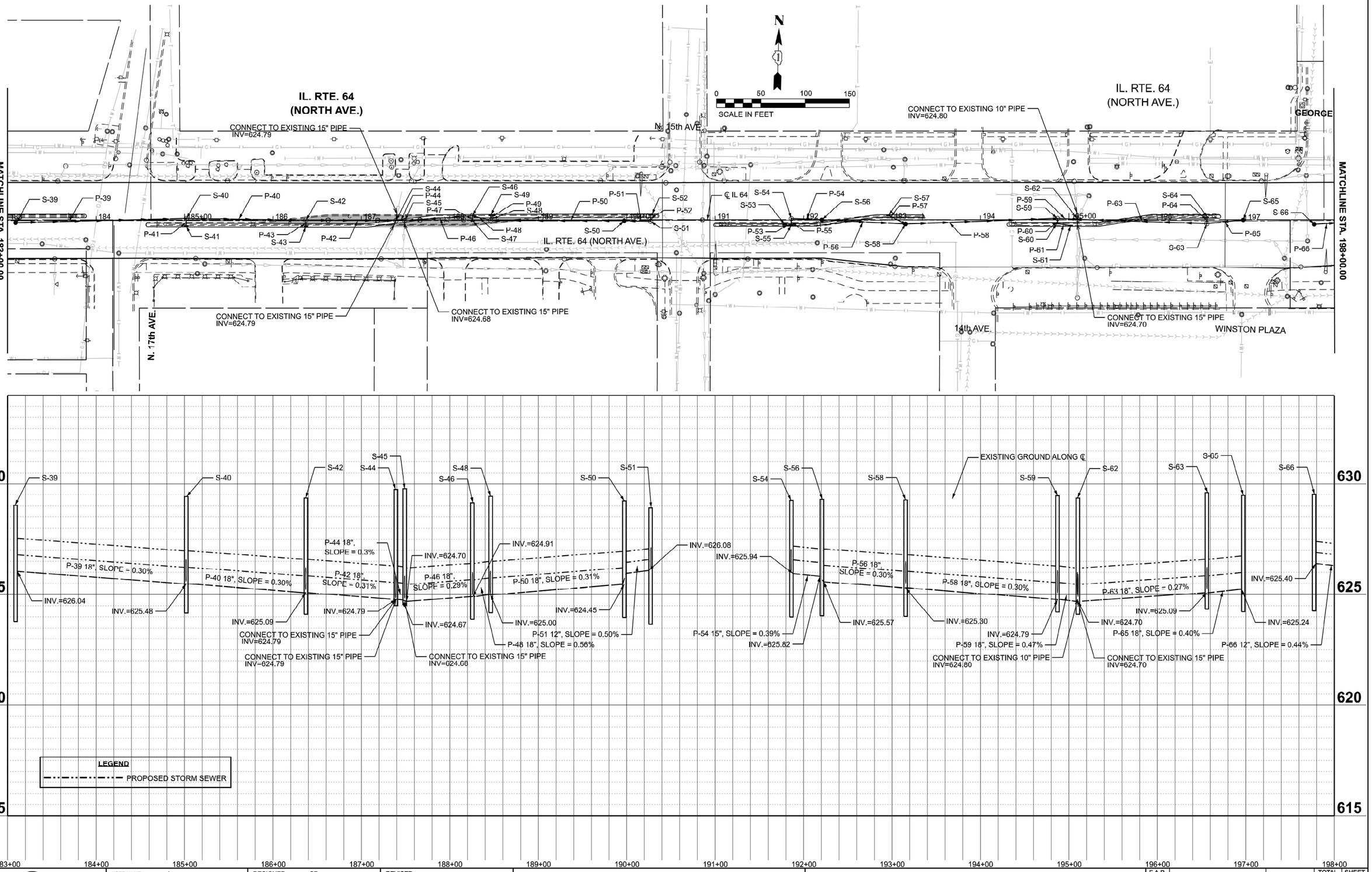
USER NAME = mweber	DESIGNED - SF	REVISED -
	DRAWN - MW	REVISED -
PLOT SCALE = $SCALE$	CHECKED - MM	REVISED -
PLOT DATE = 1/29/2025	DATE - 05-25-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN & PROFILE
IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))

SCALE: 1"=50' | SHEET 2 OF 7 SHEETS | STA. 168+00.00 | TO STA. 183+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	36
		CONTRACT NO. 62J79		
	ILLINOIS | FED. AID PROJECT			



MODEL: IL64 Pr Drain Plan-2 and Profile
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GASPEREC ELBERTS

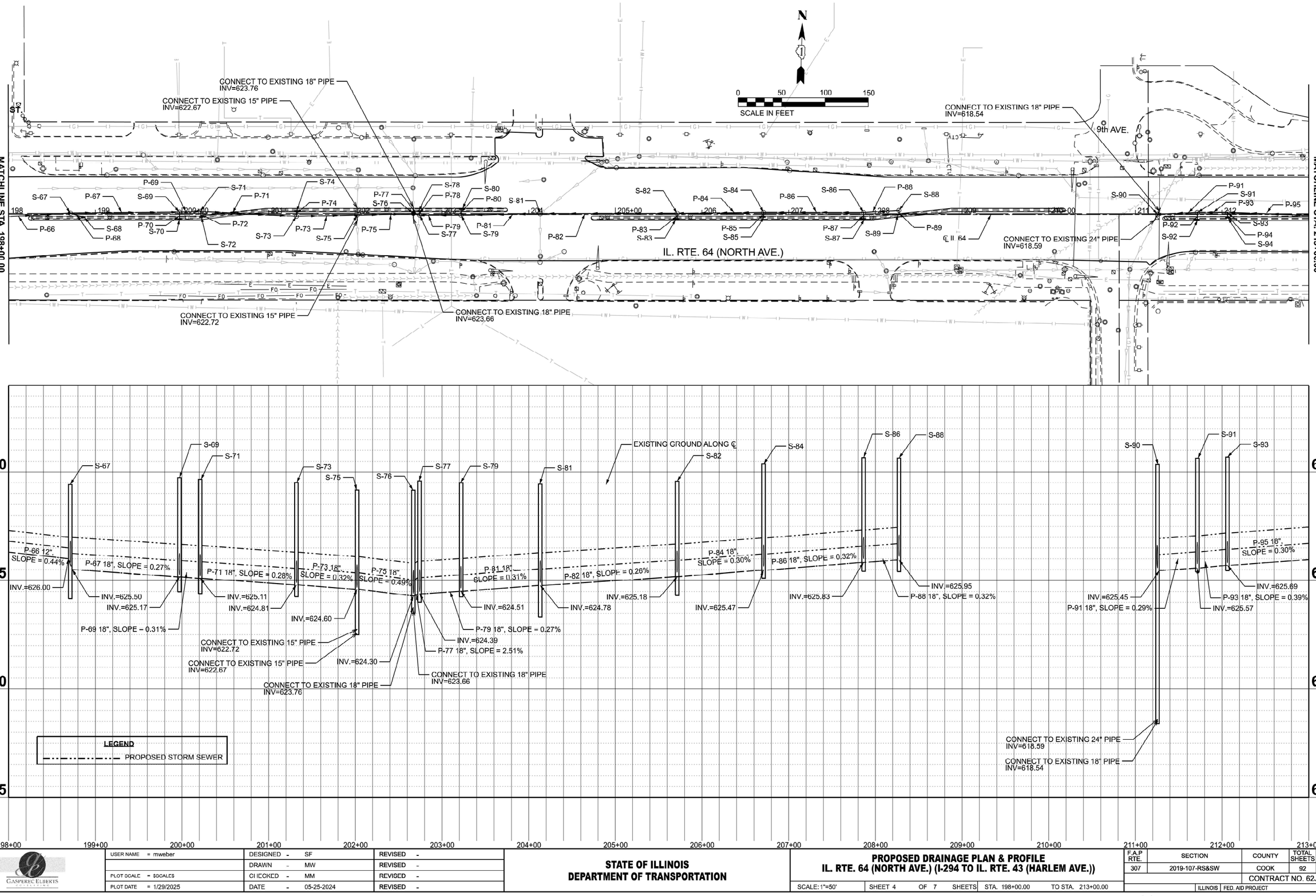
USER NAME = mweber	DESIGNED - SF	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MM	REVISED -	
PLOT DATE = 1/29/2025	DATE - 05-25-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN & PROFILE
IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))

SCALE: 1"=50' | SHEET 3 OF 7 SHEETS | STA. 183+00.00 | TO STA. 198+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	37
		CONTRACT NO. 62J79		
		ILLINOIS | FED. AID PROJECT		



MODEL: IL64 Pr Drain Plan-3 and Profile
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GASPEREC ELBERTS ASSOCIATES

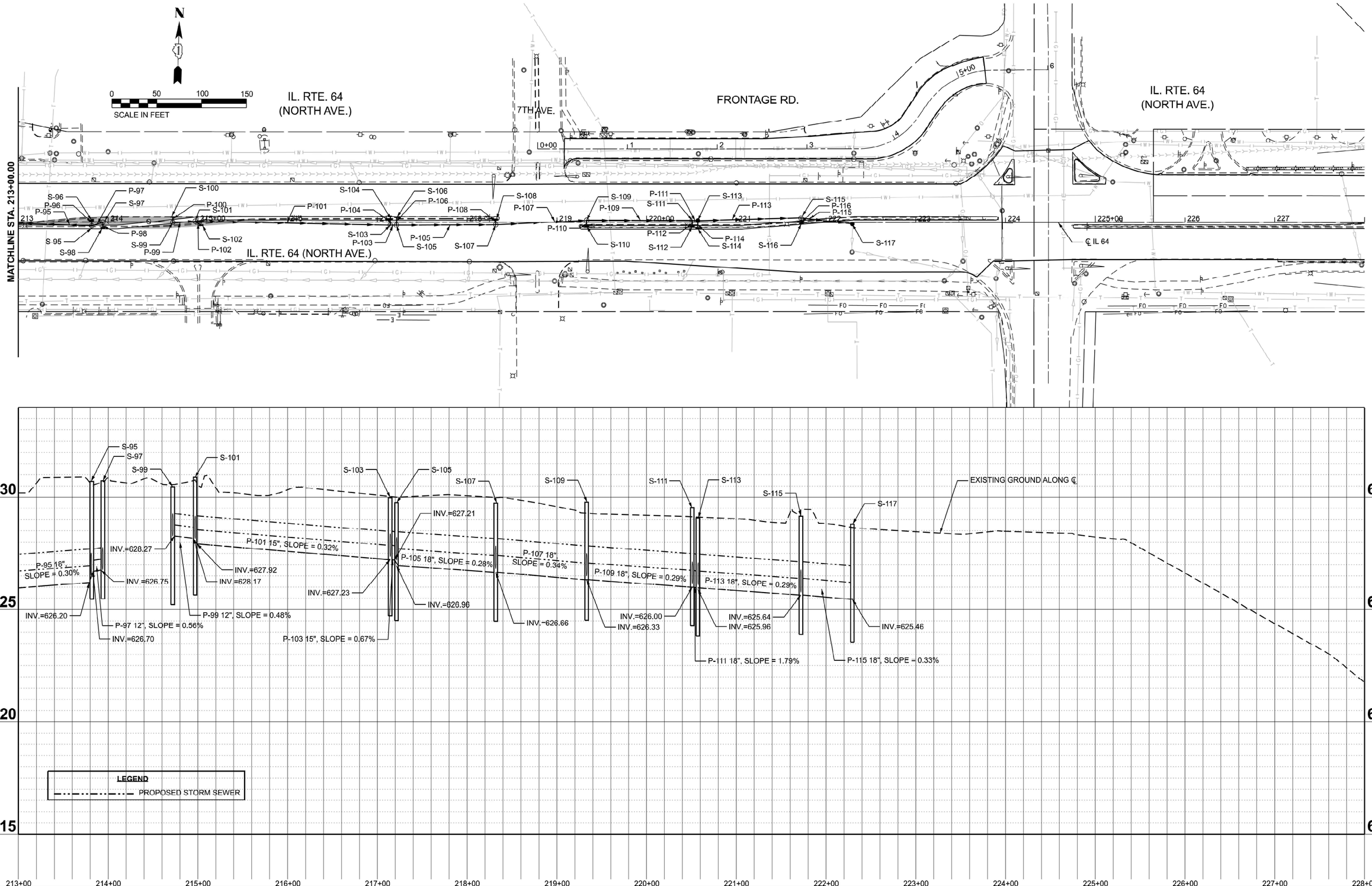
USER NAME = mweber	DESIGNED - SF	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MM	REVISED -	
PLOT DATE = 1/29/2025	DATE - 05-25-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN & PROFILE
IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))

SCALE: 1"=50' | SHEET 4 OF 7 SHEETS | STA. 198+00.00 | TO STA. 213+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	38
		CONTRACT NO. 62J79		
		ILLINOIS | FED. AID PROJECT		



MODEL: IL64 Pr Drain Plan-4 and Profile
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GASPEREC ELBERTS

USER NAME = mweber	DESIGNED - SF	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MM	REVISED -	
PLOT DATE = 1/29/2025	DATE - 05-25-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN & PROFILE
IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))

SCALE: 1"=50' | SHEET 5 OF 7 SHEETS | STA. 213+00.00 | TO STA. 228+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	39
		CONTRACT NO. 62J79		
	ILLINOIS | FED. AID PROJECT			

DRAINAGE STRUCTURE SCHEDULE									
STRUCTURE NUMBER	STATION	OFFSET	SIDE	RIM ELEVATION	INVERT ELEVATION N	INVERT ELEVATION S	INVERT ELEVATION E	INVERT ELEVATION W	PAY ITEM
S-1	158+60.64	0.38	LT	633.80			629.91		MAN TA 4 DIA T1F CL
S-2	159+98.14	4.14	LT	634.31		629.30	629.30	629.30	MAN TA 4 DIA T1F CL
S-3	159+97.96	6.17	RT	633.94	629.35				INLETS TA T15F&L
S-4	160+33.91	1.71	RT	634.31	628.90		628.90	629.15	MAN TA 4 DIA T1F CL
S-5	160+34.24	5.88	LT	633.62		628.95			INLETS TA T15F&L
S-6	163+63.08	1.24	RT	633.06	628.29		627.35	627.35	MAN TA 4 DIA T1F CL
S-7	163+63.08	6.17	LT	633.34		628.34			INLETS TA T15F&L
S-8	167+18.00	0.00	RT	631.70	626.70	626.45	625.45	626.20	MAN TA 4 DIA T1F CL
S-9	167+18.00	6.17	LT	631.75		626.75			INLETS TA T15F&L
S-10	167+17.79	6.17	LT	631.50	626.50				INLETS TA T15F&L
S-11	170+46.00	0.00	RT	630.00	624.91	624.91	623.90	623.90	MAN TA 5 DIA T1F CL
S-12	170+45.89	6.17	LT	629.99		624.96			INLETS TA T15F&L
S-13	170+45.88	6.17	RT	629.96	624.96				INLETS TA T15F&L
S-14	172+86.00	1.20	RT	629.13	624.08		622.65	622.65	MAN TA 4 DIA T1F CL
S-15	172+85.98	6.17	LT	629.13		624.13			INLETS TA T15F&L
S-16	173+71.98	1.48	RT	629.06	624.01		623.70	623.70	MAN TA 4 DIA T1F CL
S-17	173+72.00	6.17	LT	629.06		624.06			INLETS TA T15F&L
S-18	175+22.00	0.64	LT	629.30	624.45		624.45	624.45	MAN TA 4 DIA T1F CL
S-19	175+27.16	6.17	LT	628.98		624.50			INLETS TA T15F&L
S-20	175+81.00	4.83	LT	629.60		624.75	624.75	624.75	MAN TA 4 DIA T1F CL
S-21	175+81.83	1.00	RT	629.13	624.80				INLETS TA T15F&L
S-22	176+78.00	2.75	RT	629.15	625.20		625.20	625.20	MAN TA 4 DIA T1F CL
S-23	176+78.01	3.70	LT	629.15		625.25			INLETS TA T15F&L
S-24	177+20.99	2.72	RT	628.84	625.45		625.45		MAN TA 4 DIA T1F CL
S-25	177+21.01	3.55	LT	628.84		625.50			INLETS TA T15F&L
S-26	178+16.56	2.43	LT	629.27		626.20	626.20		MAN TA 4 DIA T1F CL
S-27	178+16.53	3.77	RT	629.27	626.25				INLETS TA T15F&L
S-28	178+91.94	2.67	LT	629.28		625.38	625.38	625.88	MAN TA 4 DIA T1F CL
S-29	178+91.99	6.17	RT	629.28	625.45				INLETS TA T15F&L
S-30	179+22.93	2.40	LT	628.93		625.30	625.30	625.30	CB TA 4 DIA T1F OL
S-31	179+22.83	3.80	RT	628.93	625.35				INLETS TA T15F&L
S-32	180+26.96	2.79	RT	629.35	624.80		624.80	624.80	MAN TA 4 DIA T1F CL
S-33	180+27.17	3.82	LT	629.35		624.85			INLETS TA T15F&L
S-34	181+10.89	3.50	LT	628.95	623.25	623.20	624.35	624.35	MAN TA 4 DIA T1F CL
S-35	181+97.00	0.18	LT	629.78		624.80	625.30	624.80	MAN TA 4 DIA T1F CL
S-36	181+97.58	5.05	RT	629.23	624.85				INLETS TA T15F&L
S-37	182+36.54	5.21	RT	629.40	625.47			625.47	MAN TA 4 DIA T1F CL
S-38	182+36.84	6.17	LT	629.40		625.55			INLETS TA T15F&L
S-39	183+08.85	2.25	RT	629.03			626.04		CB TA 4 DIA T1F OL
S-40	185+01.99	2.31	LT	629.42		625.48	625.48	625.48	MAN TA 4 DIA T1F CL
S-41	185+01.91	6.05	RT	629.42	625.53				INLETS TA T15F&L
S-42	186+37.15	0.40	LT	629.35		625.09	625.09	625.09	MAN TA 4 DIA T1F CL
S-43	187+37.16	6.50	RT	629.35	625.14				INLETS TA T15F&L
S-44	187+39.00	0.00	RT	629.75	624.79	624.79	624.79	624.79	MAN TA 4 DIA T1F CL
S-45	187+49.00	0.00	RT	629.78		624.68	624.70	624.76	MAN TA 4 DIA T1F CL
S-46	188+26.53	5.43	LT	629.14		624.91	624.91	624.91	MAN TA 4 DIA T1F CL
S-47	188+25.95	0.38	RT	629.14	624.96				INLETS TA T15F&L
S-48	188+46.17	0.00	RT	629.43	625.00		625.00	625.00	MAN TA 4 DIA T1F CL
S-49	188+46.25	5.90	LT	629.43		625.05			INLETS TA T15F&L
S-50	189+97.15	0.49	RT	629.22			625.45	625.95	CB TA 4 DIA T1F OL
S-51	190+27.00	1.09	RT	628.92	626.08		626.08		MAN TA 4 DIA T1F CL
S-52	190+26.87	6.16	LT	628.92		626.13			INLETS TA T15F&L
S-53	191+78.41	4.49	RT	629.51				626.05	INLETS TA T15F&L
S-54	191+86.02	1.80	LT	629.24		625.94		625.94	MAN TA 4 DIA T1F CL
S-55	191+86.06	5.49	RT	629.51	626.00		626.00		INLETS TA T15F&L
S-56	192+20.60	0.41	LT	629.29			625.57	625.82	CB TA 4 DIA T1F OL
S-57	192+95.91	5.21	LT	629.05		625.40			INLETS TA T15F&L
S-58	193+15.24	4.31	RT	629.27	625.30		625.30	625.30	CB TA 4 DIA T1F OL
S-59	194+87.00	1.68	LT	629.46		624.79	624.79	624.79	MAN TA 4 DIA T1F CL
S-60	194+87.00	3.88	RT	629.46	624.84		624.84		INLETS TA T15F&L
S-61	195+01.87	6.25	RT	629.53				624.92	INLETS TA T15F&L
S-62	195+10.09	0.53	LT	629.35	624.80	624.70	624.70	624.70	MAN TA 4 DIA T1F CL
S-63	196+55.99	2.90	RT	629.59	625.09		625.09	625.09	INLETS TA T15F&L
S-64	196+55.99	3.72	LT	629.59		625.14			MAN TA 4 DIA T1F CL
S-65	196+97.11	1.12	LT	629.48			625.24		CB TA 4 DIA T1F OL

DRAINAGE STRUCTURE SCHEDULE									
STRUCTURE NUMBER	STATION	OFFSET	SIDE	RIM ELEVATION	INVERT ELEVATION N	INVERT ELEVATION S	INVERT ELEVATION E	INVERT ELEVATION W	PAY ITEM
S-66	197+77.20	3.88	RT	629.52			626.40		CB TA 4 DIA T1F OL
S-67	198+71.06	1.34	LT	629.42		625.50	625.50	626.00	MAN TA 4 DIA T1F CL
S-68	198+86.06	3.28	RT	629.80	625.58				INLETS TA T15F&L
S-69	199+97.12	2.47	LT	629.74		625.17	625.17	625.17	MAN TA 4 DIA T1F CL
S-70	199+97.15	5.62	RT	629.74	625.25				INLETS TA T15F&L
S-71	200+21.04	3.33	LT	629.65		625.11	625.11	625.11	MAN TA 4 DIA T1F CL
S-72	200+22.35	2.95	RT	629.65	625.16				INLETS TA T15F&L
S-73	201+31.95	2.25	RT	629.51	624.81		624.81	624.81	MAN TA 4 DIA T1F CL
S-74	201+32.09	3.67	LT	629.51		624.86			INLETS TA T15F&L
S-75	202+01.98	0.85	RT	629.17	622.67	622.75	624.60	624.60	MAN TA 4 DIA T1F CL
S-76	202+66.94	0.97	LT	629.16	623.76	623.66	624.30	624.30	CB TA 4 DIA T1F OL
S-77	202+74.11	0.83	RT	629.58	624.39		624.39	624.39	MAN TA 4 DIA T1F CL
S-78	202+74.10	3.74	LT	629.58		624.44			INLETS TA T15F&L
S-79	203+22.00	0.80	RT	629.50	624.51		624.51	624.51	MAN TA 4 DIA T1F CL
S-80	203+22.16	6.12	LT	629.50		624.56			INLETS TA T15F&L
S-81	204+13.23	0.86	LT	629.44	624.78		624.78	624.78	MAN TA 4 DIA T1F CL
S-82	205+71.35	1.12	LT	629.57		625.18	625.18	625.18	CB TA 4 DIA T1F OL
S-83	205+71.35	5.34	RT	630.28	625.22				INLETS TA T15F&L
S-84	206+70.90	2.20	LT	630.37		625.47	625.47	625.47	MAN TA 4 DIA T1F CL
S-85	206+70.89	3.01	RT	630.37	625.52				INLETS TA T15F&L
S-86	207+86.31	2.09	LT	630.67		625.83	625.83	625.83	MAN TA 4 DIA T1F CL
S-87	207+86.30	5.34	RT	630.67	625.88				INLETS TA T15F&L
S-88	208+27.17	4.54	LT	630.65		625.95	625.95	625.95	MAN TA 4 DIA T1F CL
S-89	208+27.18	0.04	LT	630.65	626.00				INLETS TA T15F&L
S-90	211+25.51	0.09	LT	630.34	618.54	618.59	626.88		MAN TA 4 DIA T1F CL
S-91	211+71.54	2.19	LT	630.64		625.57	625.57	625.57	MAN TA 4 DIA T1F CL
S-92	211+71.55	6.05	RT	630.64	625.62				INLETS TA T15F&L
S-93	212+06.25	2.21	LT	630.69		625.69	625.69	625.69	MAN TA 4 DIA T1F CL
S-94	212+06.25	3.76	RT	630.69	625.74				INLETS TA T15F&L
S-95	213+81.80	3.86	RT	630.71	626.20		626.70	626.20	MAN TA 4 DIA T1F CL
S-96	213+81.49	1.97	LT	630.58		626.25			INLETS TA T15F&L
S-97	213+94.00	0.01	LT	630.73		626.75		626.75	MAN TA 4 DIA T1F CL
S-98	213+94.02	6.35	RT	630.73	626.80				INLETS TA T15F&L
S-99	214+72.00	0.01	LT	630.47	628.27			628.27	MAN TA 4 DIA T1F CL
S-100	214+72.00	5.88	LT	630.47		628.32			INLETS TA T15F&L
S-101	214+96.90	1.06	LT	630.89		627.92	627.92	628.17	MAN TA 4 DIA T1F CL
S-102	215+03.63	3.26	RT	630.43	627.97				INLETS TA T15F&L
S-103	217+14.26	3.05	RT	629.98	627.23		627.23	627.23	MAN TA 4 DIA T1F CL
S-104	217+14.26	3.21	LT	629.98		627.28			INLETS TA T15F&L
S-105	217+21.26	3.04	RT	629.76	626.96		626.96	627.21	MAN TA 4 DIA T1F CL
S-106	217+21.32	5.54	LT	629.99		627.01			INLETS TA T15F&L
S-107	218+31.94	2.60	RT	629.74	626.66		626.66	626.66	MAN TA 4 DIA T1F CL
S-108	218+31.97	3.05	LT	629.74		626.71			INLETS TA T15F&L
S-109	219+33.15	2.17	LT	629.78		626.33	626.33	626.33	MAN TA 4 DIA T1F CL
S-110	219+33.10	4.05	RT	629.78	626.38				INLETS TA T15F&L
S-111	220+50.94	2.19	LT	629.53		626.00	626.00	626.00	MAN TA 4 DIA T1F CL
S-112	220+50.93	4.10	RT	629.53	626.05				INLETS TA T15F&L
S-113	220+57.08	1.87	LT	629.08		625.96	625.96	625.96	CB TA 4 DIA T1F OL
S-114	220+57.14	6.51	RT	629.59	626.01				INLETS TA T15F&L
S-115	221+71.87	4.84	LT	629.15	625.64		625.64	625.64	MAN TA 4 DIA T1F CL
S-116	221+72.43	1.18	RT	629.15		625.69			INLETS TA T15F&L
S-117	222+29.16	1.47	RT	628.81			625.46	625.46	CB TA 4 DIA T1F OL
S-201	153+37.68	0.56	LT	635.37	M.E.		M.E.		MAN TA 4 DIA T1F CL
S-202	153+37.68	5.15	LT	634.74		M.E.			INLETS TA T15F&L
S-203	154+70.27	0.60	RT	635.30	M.E.	M.E.	M.E.	M.E.	MAN TA 4 DIA T1F CL
S-204	154+73.93	6.40	RT	634.39	M.E.				INLETS TA T15F&L
S-205	154+73.50	7.13	LT	634.60		M.E.			INLETS TA T15F&L
S-206	155+23.44	2.36	LT	635.11	M.E.	M.E.	M.E.	M.E.	MAN TA 4 DIA T1F CL
S-207	156+62.78	0.99	LT	634.20			M.E.	M.E.	CB TA 4 DIA T1F OL
S-208	157+07.90	2.00	LT	633.78				M.E.	INLETS TA T15F&L

NOTE: M.E.= MATCH EXISTING INVERT

MODEL: Schedule - Structures
FILE NAME: R:\Projects\IDOT\21.R24044.00004_PTB208-010_WO4_North Avenue Storm Sewer\03 Design\01 CADD\124320-sht-drainplnprof.dgn

GASPEREC ELBERTS CONSULTING

USER NAME = mweber	DESIGNED - SF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE STRUCTURE SCHEDULE IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))
	DRAWN - MW	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - MM	REVISED -		
PLOT DATE = 1/26/2025	DATE - 05-25-2024	REVISED -		SCALE:NTS SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	40
		CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		

DRAINAGE PIPE SCHEDULE								
PIPE NUMBER	FROM	TO	DIA. (IN)	LENGTH (FT)	SLOPE (%)	PAY ITEM	TRENCH BACKFILL (CU YD)	EXCAVATION (CU YD)
P 1	S 1	S 2	12	137.56	0.46	STORM SEW CL A 2 12	49.20	57.02
P-2	S-2	S-4	12	36.24	0.46	STORM SEW CL A 2 12	25.34	27.40
P-3	S-3	S-2	12	10.31	0.48	STORM SEW CL A 2 12	4.07	4.65
P-4	S-4	S-6	15	329.17	0.48	SS 2 WAT MN 15	256.18	286.48
P-5	S-5	S-4	12	7.60	0.66	STORM SEW CL A 2 12	5.10	5.53
P-6	S-6	S-8	15	354.93	0.32	STORM SEW CL A 2 15	406.94	439.62
P-7	S-7	S-6	12	7.41	0.68	STORM SEW CL A 2 12	5.35	5.77
P-8	S-8	S-11	24	324.00	0.26	STORM SEW CL A 2 24	375.61	450.89
P-9	S-9	S-8	12	6.17	0.81	STORM SEW CL A 2 12	4.67	5.02
P-10	S-10	S-8	12	7.00	0.71	STORM SEW CL A 2 12	5.31	5.70
P-11	S-11	S-14	18	236.00	0.26	SS 2 WAT MN 24	247.71	302.79
P-12	S-12	S-11	12	6.17	0.81	STORM SEW CL A 2 12	4.66	5.01
P-13	S-13	S-11	12	6.17	0.81	STORM SEW CL A 2 12	4.65	5.00
P-15	S-15	S-14	12	7.37	0.68	STORM SEW CL A 2 12	6.63	7.04
P-17	S-17	S-16	12	7.65	0.65	STORM SEW CL A 2 12	5.54	5.98
P-18	S-18	S-16	12	150.04	0.51	STORM SEW CL A 2 12	62.09	70.61
P-19	S-19	S-18	12	7.25	0.69	STORM SEW CL A 2 12	2.79	3.20
P-20	S-20	S-18	12	59.31	0.54	STORM SEW CL A 2 12	22.77	26.14
P-21	S-21	S-20	12	5.88	0.74	STORM SEW CL A 2 12	2.14	2.48
P-22	S-22	S-20	12	97.14	0.49	STORM SEW CL A 2 12	36.53	42.05
P-23	S-23	S-22	12	6.45	1.18	STORM SEW CL A 2 12	1.94	2.31
P-24	S-24	S-22	12	42.99	0.64	STORM SEW CL A 2 12	12.56	15.00
P 25	S 25	S 24	12	6.51	0.90	STORM SEW CL A 2 12	1.69	2.06
P-26	S-26	S-28	12	75.38	0.45	STORM SEW CL A 2 12	15.65	19.93
P-27	S-27	S-26	12	6.20	0.89	STORM SEW CL A 2 12	1.16	1.52
P-28	S-28	S-30	18	27.00	0.30	STORM SEW CL A 2 18	9.34	12.95
P-29	S-29	S-28	12	8.83	0.79	STORM SEW CL A 2 12	2.61	3.11
P-30	S-30	S-32	18	100.16	0.50	STORM SEW CL A 2 18	38.05	50.17
P-31	S-31	S-30	12	6.21	0.96	STORM SEW CL A 2 12	1.79	2.14
P-32	S-32	S-34	18	80.16	0.56	STORM SEW CL A 2 18	31.81	41.60
P-33	S-33	S-32	12	6.47	0.89	STORM SEW CL A 2 12	2.22	2.59
P-35	S-35	S-34	18	82.18	0.55	STORM SEW CL A 2 18	34.86	44.89
P-36	S-36	S-35	12	5.26	0.95	STORM SEW CL A 2 12	2.04	2.34
P-37	S-37	S-35	12	39.91	0.47	STORM SEW CL A 2 12	12.31	14.57
P-38	S-38	S-37	12	11.38	0.70	STORM SEW CL A 2 12	3.63	4.28
P-39	S-39	S-40	18	189.19	0.30	SS 2 WAT MN 18	53.46	75.95
P-40	S-40	S-42	18	131.18	0.30	STORM SEW CL A 2 18	46.39	62.12
P-41	S-41	S-40	12	8.37	0.60	STORM SEW CL A 2 12	2.51	2.99
P-42	S-42	S-44	18	97.85	0.31	STORM SEW CL A 2 18	39.59	51.45
P-43	S-43	S-42	12	6.91	0.72	STORM SEW CL A 2 12	2.34	2.73
P-44	S-44	S-45	18	6.00	0.30	STORM SEW CL A 2 18	4.40	5.56
P-46	S-46	S-45	18	72.70	0.29	STORM SEW CL A 2 18	32.83	41.75
P-47	S-47	S-46	12	5.84	0.89	STORM SEW CL A 2 12	2.00	2.34
P-48	S-48	S-46	18	17.42	0.56	STORM SEW CL A 2 18	8.43	10.93
P-49	S-49	S-48	12	5.84	0.96	STORM SEW CL A 2 12	2.17	2.50
P-50	S-50	S-48	18	146.91	0.31	STORM SEW CL A 2 18	46.44	64.01
P-51	S-51	S-50	12	29.85	0.50	STORM SEW CL A 2 12	7.43	9.13
P-52	S-52	S-51	12	7.26	0.69	STORM SEW CL A 2 12	1.55	1.96
P-53	S-53	S-55	12	5.09	0.80	STORM SEW CL A 2 12	1.28	1.57
P-54	S-54	S-56	15	34.62	0.39	STORM SEW CL A 2 15	9.20	12.10
P-55	S-55	S-54	12	7.47	0.75	STORM SEW CL A 2 12	1.62	2.04
P-56	S-56	S-58	18	90.75	0.30	STORM SEW CL A 2 18	27.36	38.39
P-57	S-57	S-58	12	21.55	0.46	STORM SEW CL A 2 12	6.78	8.01
P-58	S-58	S-59	18	167.87	0.30	STORM SEW CL A 2 18	63.66	83.66
P-59	S-59	S-62	18	19.12	0.47	STORM SEW CL A 2 18	9.67	12.36
P-60	S-60	S-59	12	5.56	0.90	STORM SEW CL A 2 12	2.05	2.37
P-61	S-61	S-60	12	15.06	0.53	STORM SEW CL A 2 12	5.27	6.12
P-63	S-63	S-62	18	141.94	0.27	STORM SEW CL A 2 18	56.09	73.07
P-64	S-64	S-63	12	6.62	0.76	STORM SEW CL A 2 12	2.34	2.71
P-65	S-65	S-63	18	37.34	0.40	STORM SEW CL A 2 18	15.60	20.41
P-66	S-66	S-67	12	94.00	0.44	STORM SEW CL A 2 12	22.03	27.37
P-67	S-67	S-69	18	122.10	0.27	STORM SEW CL A 2 18	45.19	59.87

DRAINAGE PIPE SCHEDULE								
PIPE NUMBER	FROM	TO	DIA. (IN)	LENGTH (FT)	SLOPE (%)	PAY ITEM	TRENCH BACKFILL (CU YD)	EXCAVATION (CU YD)
P 68	S 68	S 67	12	15.70	0.51	STORM SEW CL A 2 12	4.82	5.71
P-69	S-69	S-71	18	19.93	0.31	STORM SEW CL A 2 18	9.39	12.18
P-70	S-70	S-69	12	7.97	0.89	STORM SEW CL A 2 12	2.81	3.26
P-71	S-71	S-73	18	107.06	0.28	STORM SEW CL A 2 18	44.65	57.57
P-72	S-72	S-71	12	6.41	0.78	STORM SEW CL A 2 12	2.26	2.62
P-73	S-73	S-75	18	66.04	0.32	STORM SEW CL A 2 18	30.15	38.30
P-74	S-74	S-73	12	5.87	1.03	STORM SEW CL A 2 12	2.31	2.64
P-75	S-75	S-76	18	60.99	0.49	STORM SEW CL A 2 18	29.79	37.35
P-77	S-77	S-76	18	3.40	2.51	STORM SEW CL A 2 18	5.22	6.20
P-78	S-78	S-77	12	4.58	1.09	STORM SEW CL A 2 12	3.19	3.45
P-79	S-79	S-77	18	43.89	0.27	STORM SEW CL A 2 18	34.08	40.43
P-80	S-80	S-79	12	6.92	0.72	STORM SEW CL A 2 12	2.85	3.25
P-81	S-81	S-79	18	87.24	0.31	STORM SEW CL A 2 18	38.24	48.86
P-82	S-82	S-81	18	154.12	0.26	STORM SEW CL A 2 18	58.86	77.27
P-83	S-83	S-82	12	6.46	0.62	STORM SEW CL A 2 12	2.26	2.63
P-84	S-84	S-82	18	95.46	0.30	STORM SEW CL A 2 18	36.18	47.77
P-85	S-85	S-84	12	5.20	0.96	STORM SEW CL A 2 12	1.86	2.15
P-86	S-86	S-84	18	111.41	0.32	STORM SEW CL A 2 18	42.45	55.89
P-87	S-87	S-86	12	7.43	0.67	STORM SEW CL A 2 12	2.46	2.88
P-88	S-88	S-86	18	36.94	0.32	STORM SEW CL A 2 18	14.77	19.54
P-89	S-89	S-88	12	4.95	1.01	STORM SEW CL A 2 12	1.79	2.07
P-91	S-91	S-90	18	42.07	0.29	STORM SEW CL A 2 18	20.21	25.58
P-92	S-92	S-91	12	8.24	0.61	STORM SEW CL A 2 12	5.56	6.03
P-93	S-93	S-91	18	30.71	0.39	STORM SEW CL A 2 18	24.26	28.86
P-94	S-94	S-93	12	5.97	0.84	STORM SEW CL A 2 12	2.45	2.79
P-95	S-95	S-93	18	171.65	0.30	STORM SEW CL A 2 18	74.39	94.84
P-96	S-96	S-95	12	5.83	0.96	STORM SEW CL A 2 12	1.99	2.33
P-97	S-97	S-95	12	12.80	0.56	STORM SEW CL A 2 12	3.91	4.63
P-98	S-98	S-97	12	6.36	0.79	STORM SEW CL A 2 12	1.91	2.28
P-99	S-99	S-101	12	24.92	0.48	STORM SEW CL A 2 12	4.00	5.41
P-100	S-100	S-99	12	5.86	0.85	STORM SEW CL A 2 12	0.77	1.10
P-101	S-101	S-103	15	217.4	0.32	STORM SEW CL A 2 15	39.39	57.64
P-102	S-102	S-101	12	7.99	0.63	STORM SEW CL A 2 12	1.47	1.92
P-103	S-103	S-105	15	7.00	0.67	STORM SEW CL A 2 15	1.48	2.06
P-104	S-104	S-103	12	6.26	0.80	STORM SEW CL A 2 12	1.35	1.71
P-105	S-105	S-107	18	106.68	0.28	STORM SEW CL A 2 18	26.85	39.73
P 106	S 106	S 105	12	8.58	0.58	STORM SEW CL A 2 12	1.88	2.37
P-107	S-107	S-109	18	97.33	0.34	STORM SEW CL A 2 18	31.57	43.36
P-108	S-108	S-107	12	5.65	0.88	STORM SEW CL A 2 12	1.40	1.72
P-109	S-109	S-111	18	113.79	0.29	STORM SEW CL A 2 18	32.97	46.68
P-110	S-110	S-109	12	6.28	0.93	STORM SEW CL A 2 12	1.64	1.99
P-111	S-111	S-113	18	2.15	1.79	STORM SEW CL A 2 18	1.60	2.32
P-112	S-112	S-111	12	6.30	0.83	STORM SEW CL A 2 12	1.78	2.14
P-113	S-113	S-115	18	110.83	0.29	STORM SEW CL A 2 18	32.94	46.30
P-114	S-114	S-113	12	8.33	0.62	STORM SEW CL A 2 12	2.08	2.56
P-115	S-115	S-117	18	53.52	0.33	STORM SEW CL A 2 18	17.23	23.92
P-116	S-116	S-115	12	6.04	1.06	STORM SEW CL A 2 12	1.75	2.09
P-201	S-201	S-203	12	128.59	M.E.	STORM SEW CL A 2 12	39.92	47.23
P-202	S-201	S-202	12	0.58	M.E.	STORM SEW CL A 2 12	0.18	0.21
P-203	S-203	S-204	12	2.86	M.E.	STORM SEW CL A 2 12	0.89	1.05
P-204	S-203	S-205	12	4.38	M.E.	STORM SEW CL A 2 12	1.36	1.61
P-205	S-203	S-206	12	49.25	M.E.	STORM SEW CL A 2 12	15.29	18.09
P-206	S-206	EX-1	12	48.56	M.E.	STORM SEW CL A 2 12	15.08	17.84
P-207	S-206	EX-4	15	41.03	M.E.	STORM SEW CL A 2 15	13.27	16.72
P-208	EX-2	EX-3	12	20.10	M.E.	STORM SEW CL A 2 12	6.24	7.38
P-209	EX-3	EX-4	12	9.28	M.E.	STORM SEW CL A 2 12	2.88	3.41
P-210	EX-2	EX-5	15	45.87	M.E.	STORM SEW CL A 2 15	17.49	21.35
P-211	S-206	S-207	15	135.35	M.E.	STORM SEW CL A 2 15	59.46	70.82
P 212	S 207	S 208	12	41.14	M.E.	STORM SEW CL A 2 12	30.68	33.01

NOTE: M.E.= MATCH EXISTING INVERT

MODEL: Schedule - Pipes
FILE NAME: R:\Projects\IDOT\21.R240444.00004_PTB208-010_WO4_North Avenue Storm Sewer\05 Design\01 CADD\124320-sht-drainphpro.dgn

GASPERec ELBERTS

USER NAME = mweber	DESIGNED - SF	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MM	REVISED -	
PLOT DATE = 1/27/2025	DATE - 05-25-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PIPE SCHEDULE
IL. RTE. 64 (NORTH AVE.) (I-294 TO IL. RTE. 43 (HARLEM AVE.))

SCALE:NTS | SHEET 7 OF 7 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	41
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
ON9000ITE	GOTTLIEB COMMUNITY HEALTH SERVICES CORPORATION	2	I.D.O.T.

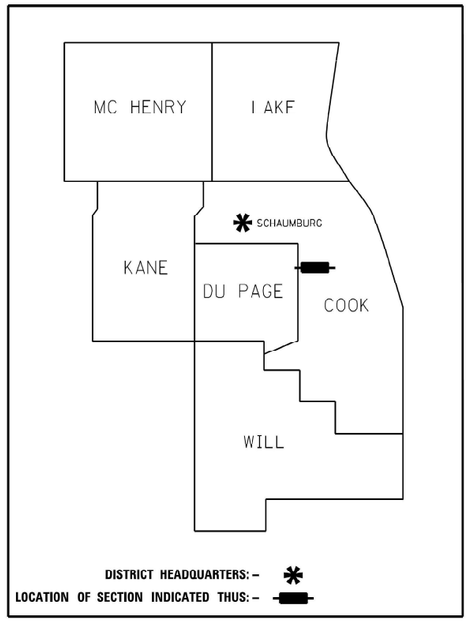
STATE OF ILLINOIS

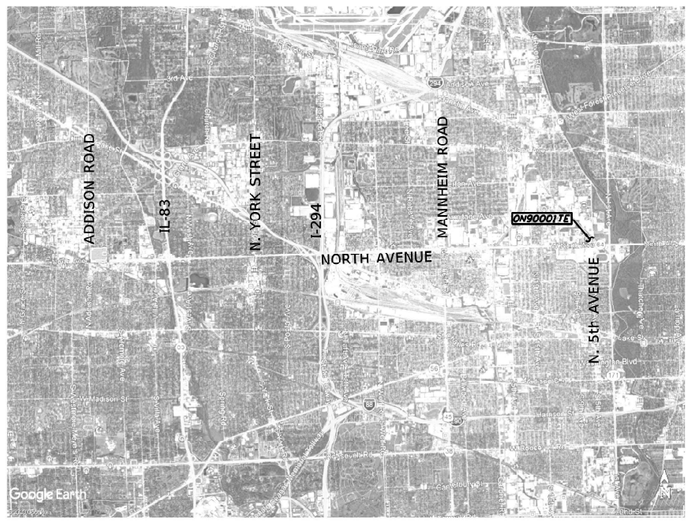
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: IL 64 (NORTH AVENUE)
SECTION:
COUNTY: COOK
LIMITS: YORK ROAD TO 5th AVE.
JOB NO.: R–90–037–22





LOCATION MAP

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

RETURN ORIGINAL TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SHAUMBURG ILLINOIS, 60169
ATTN: BUREAU OF LAND ACQUISITION

IDOT USE ONLY

MODEL: Plat of Highways - 1 [Sheet]
FILE NAME: c:\pw_work\pw\dot\nicholas.babul@illinois.gov\d0860f62\D12\320-sht-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/31/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]

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

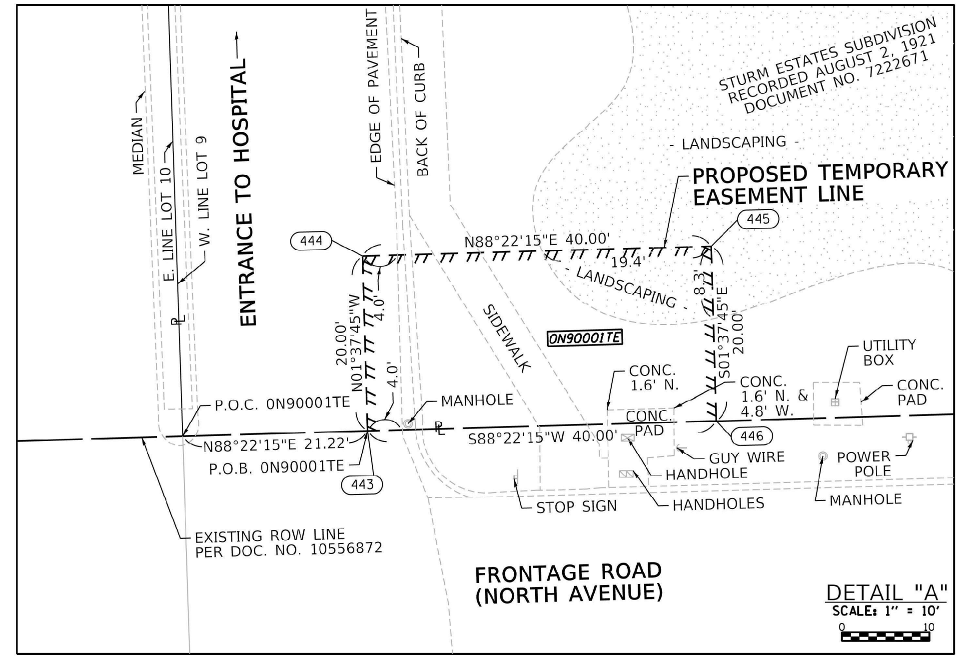
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	42
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

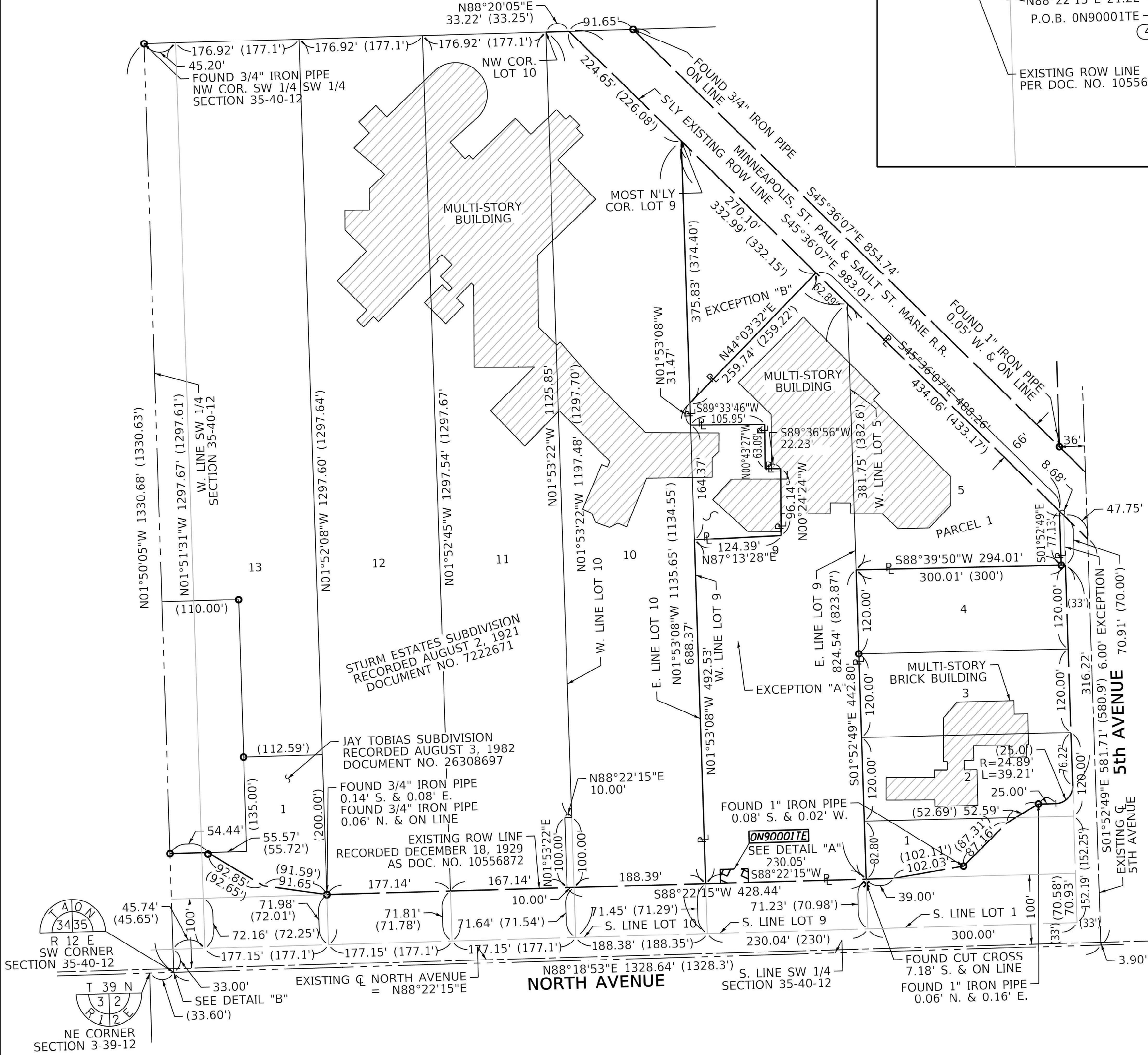
PART OF THE SW 1/4 OF SECTION 35, TWP. 40 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

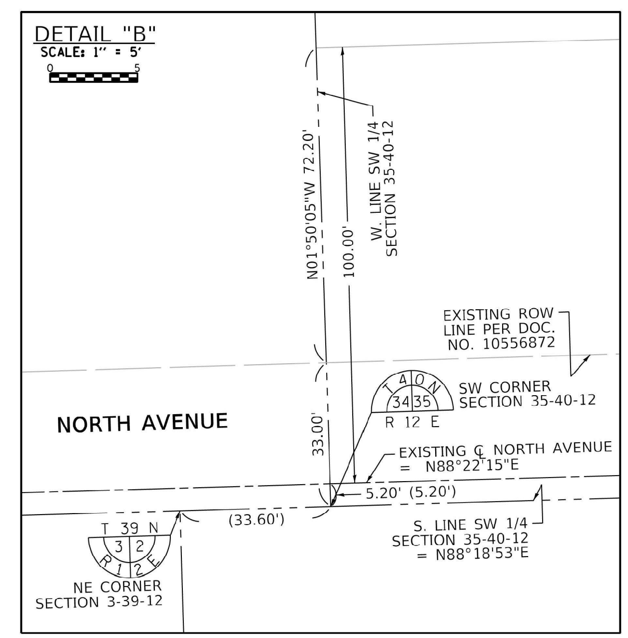
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0N90001TE	5.294			5.294	0.018	800	12-35-302-036

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	NORTHING	EASTING
407	1,910,171.6686	1,118,493.8532
408	1,910,094.5832	1,118,496.3838
411	1,910,087.7277	1,118,202.4505
412	1,909,645.1707	1,118,216.9787
442	1,909,638.6306	1,117,987.0241
450	1,910,130.8889	1,117,970.8175
451	1,910,295.1739	1,117,965.4088
452	1,910,326.6248	1,117,964.3733
454	1,910,513.2769	1,118,144.9918
456	1,910,295.9826	1,118,071.3587
457	1,910,232.9016	1,118,072.1561
458	1,910,233.0508	1,118,094.3826
459	1,910,136.9122	1,118,095.0652







LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

129.32' MEASURED DIMENSION

129.32' (COMP) COMPUTED DIMENSION

(129.32') RECORDED DIMENSION

▨ EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 100

SCALE: 1" = 100'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET

\+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997054.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON FEBRUARY 2020.
6. LOTS 1, 2, & 3 WERE ESTABLISHED PER IDOT STRIP MAP JOB NUMBER R-90-010-63 WITH A REVISED DATE OF JUNE 3, 1964.

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT______________, ILLINOIS THIS __ DAY OF_________ 2022 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS PROFESSIONAL LAND SURVEYOR DAVID A. CLAASSEN JOLIET, IL NO. 2962

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C. LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7199

IDOT USE ONLY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NORTH AVENUE

LIMITS: YORK RD. TO 5th AVE. COUNTY: COOK
SECTION: JOB NO.: R-90-037-22
STA. TO STA.
SCALE: 1" = 100' SHEET 2 OF 2 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Plat of Highways - 2 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D124320-sht-details.dgn

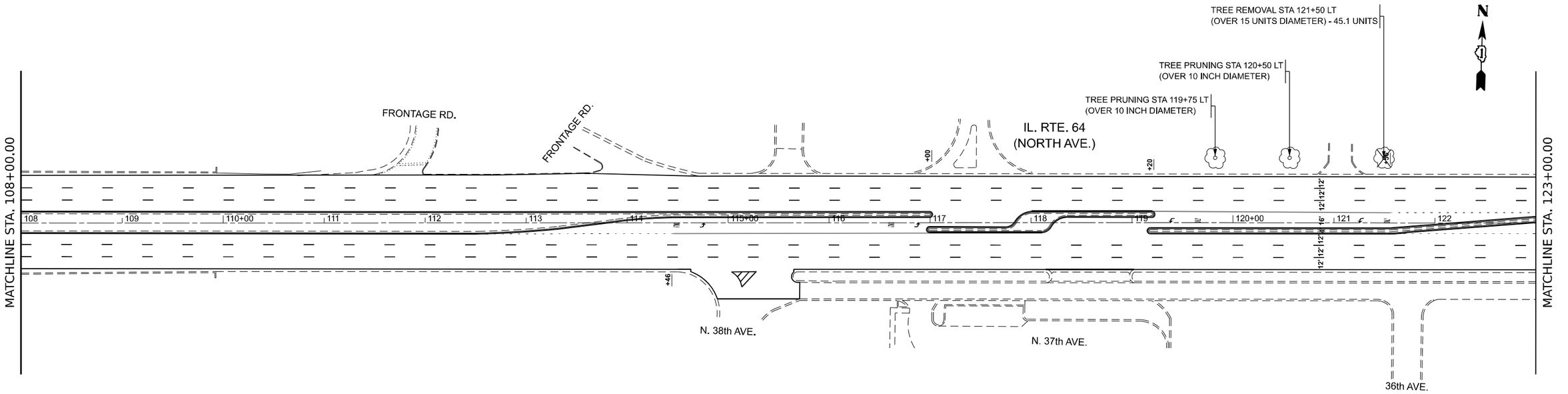
USER NAME = nicholas.babul	DESIGNED -	REVISED -	REVISED -
	DRAWN -	REVISED -	REVISED -
	CHECKED -	REVISED -	REVISED -
PLOT DATE = 1/31/2025	DATE -	REVISED -	REVISED -

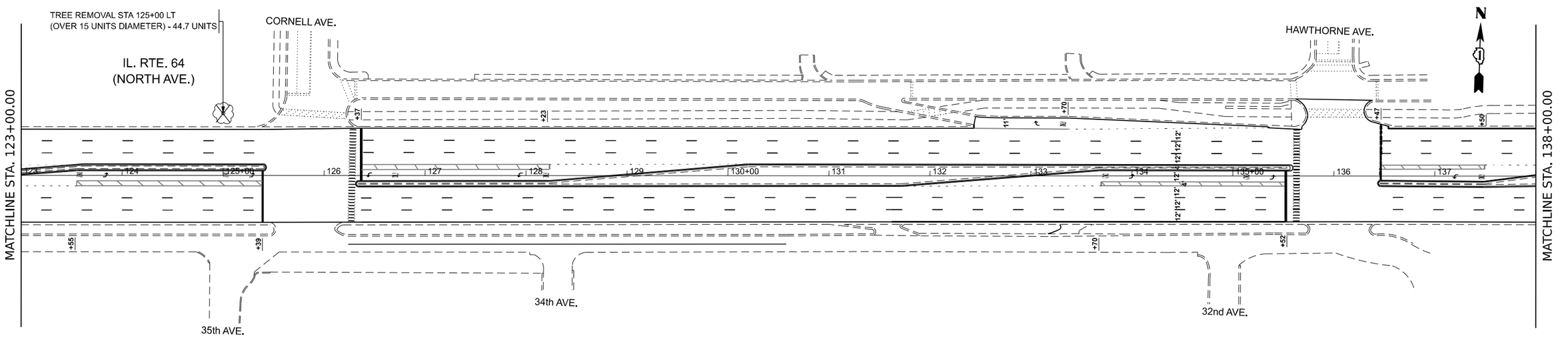
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	43
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		





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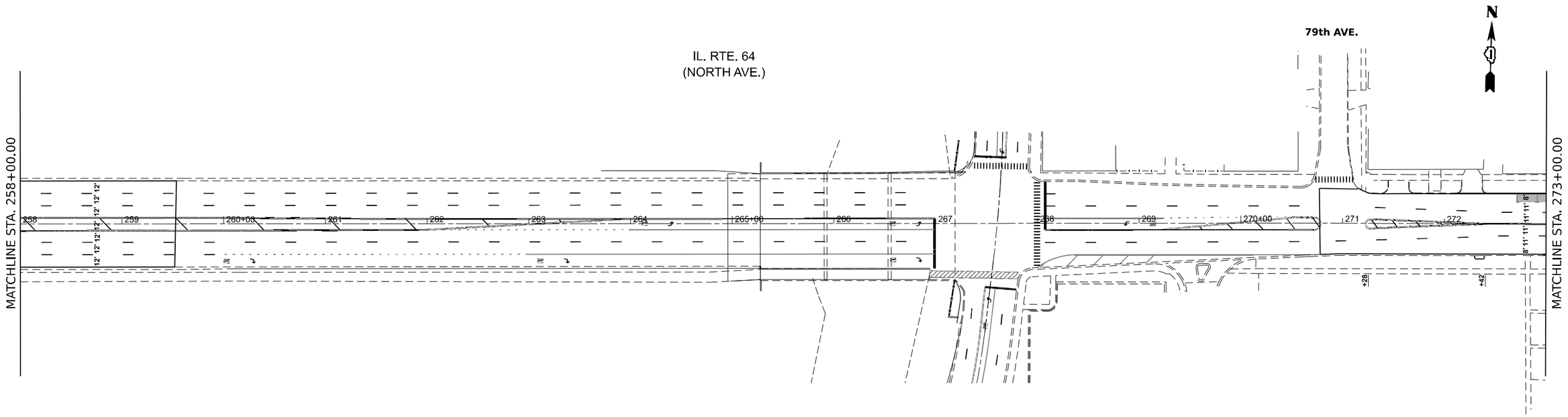
USER NAME = nicholas.babul	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/31/2025	DATE -	REVISED -	

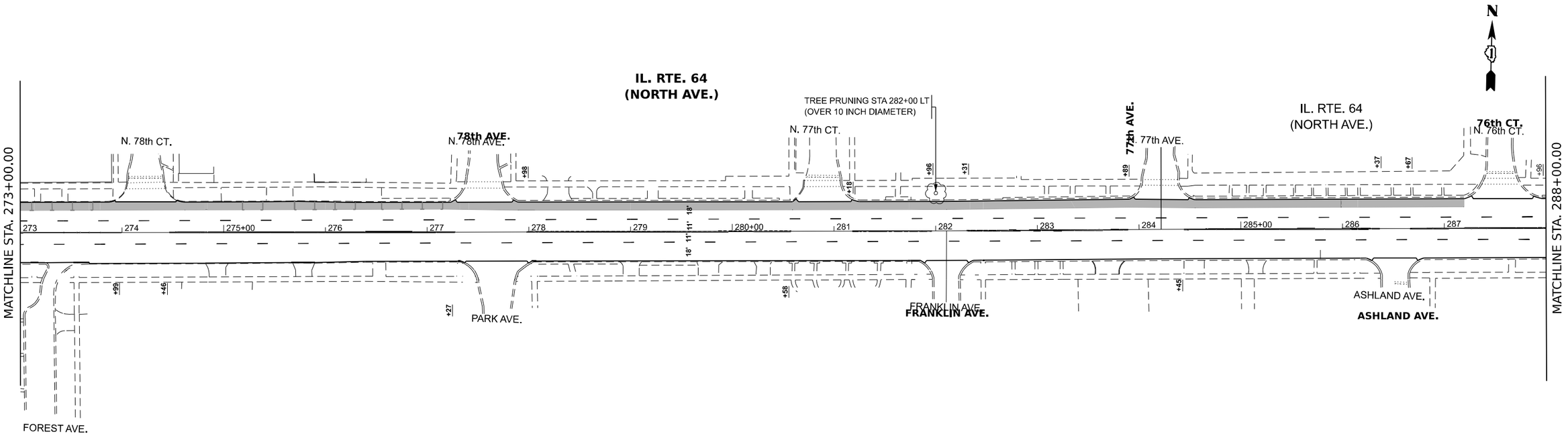
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: 1"=50' | SHEET 4 OF 10 SHEETS | STA. 108+00 TO STA. 138+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	44
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	





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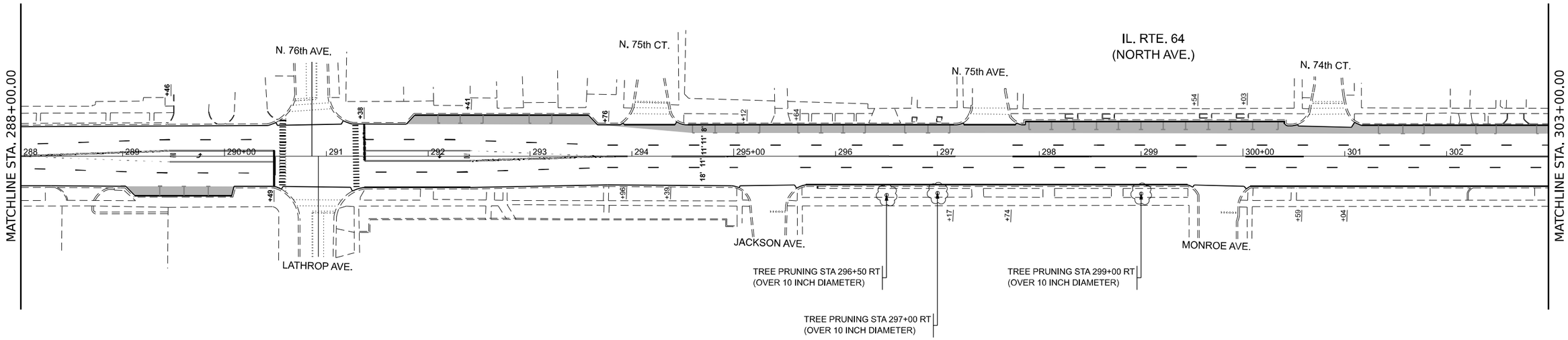
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/31/2025	DATE -	REVISED -	

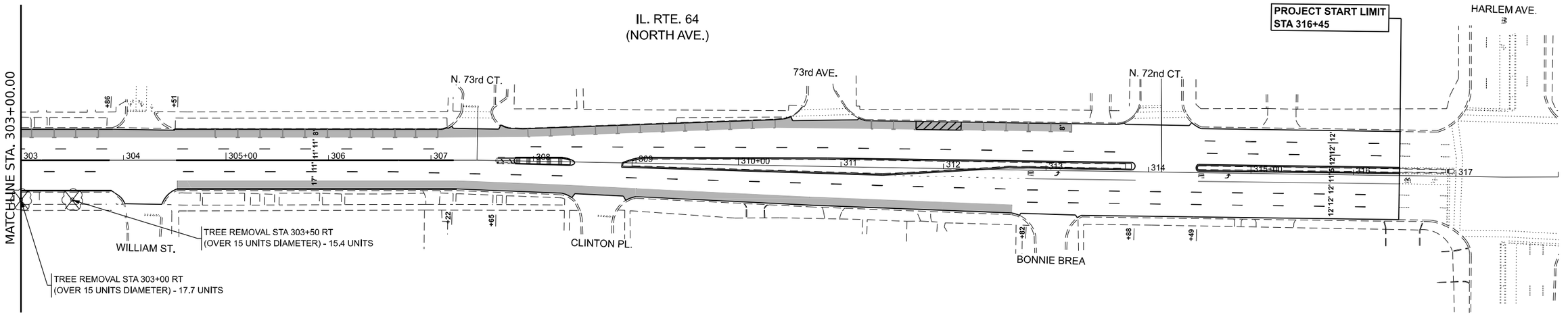
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: | SHEET 9 OF 3 SHEETS | STA. 258+00 | TO STA. 288+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	45
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	





MODEL: IL64 - LandscapePlan03
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USER NAME = nicholas.babul	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/31/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMEMNT MARKING PLAN
IL RTE 64 (NORTH AVE.) [I-294 TO IL RTE 43 (HARLEM AVE.)]
AND NORTH SIDE FRONTAGE RD. [7TH AVE. TO 5TH AVE.]

SCALE: | SHEET 10 OF 3 SHEETS | STA. 288+00 | TO STA. 318+00

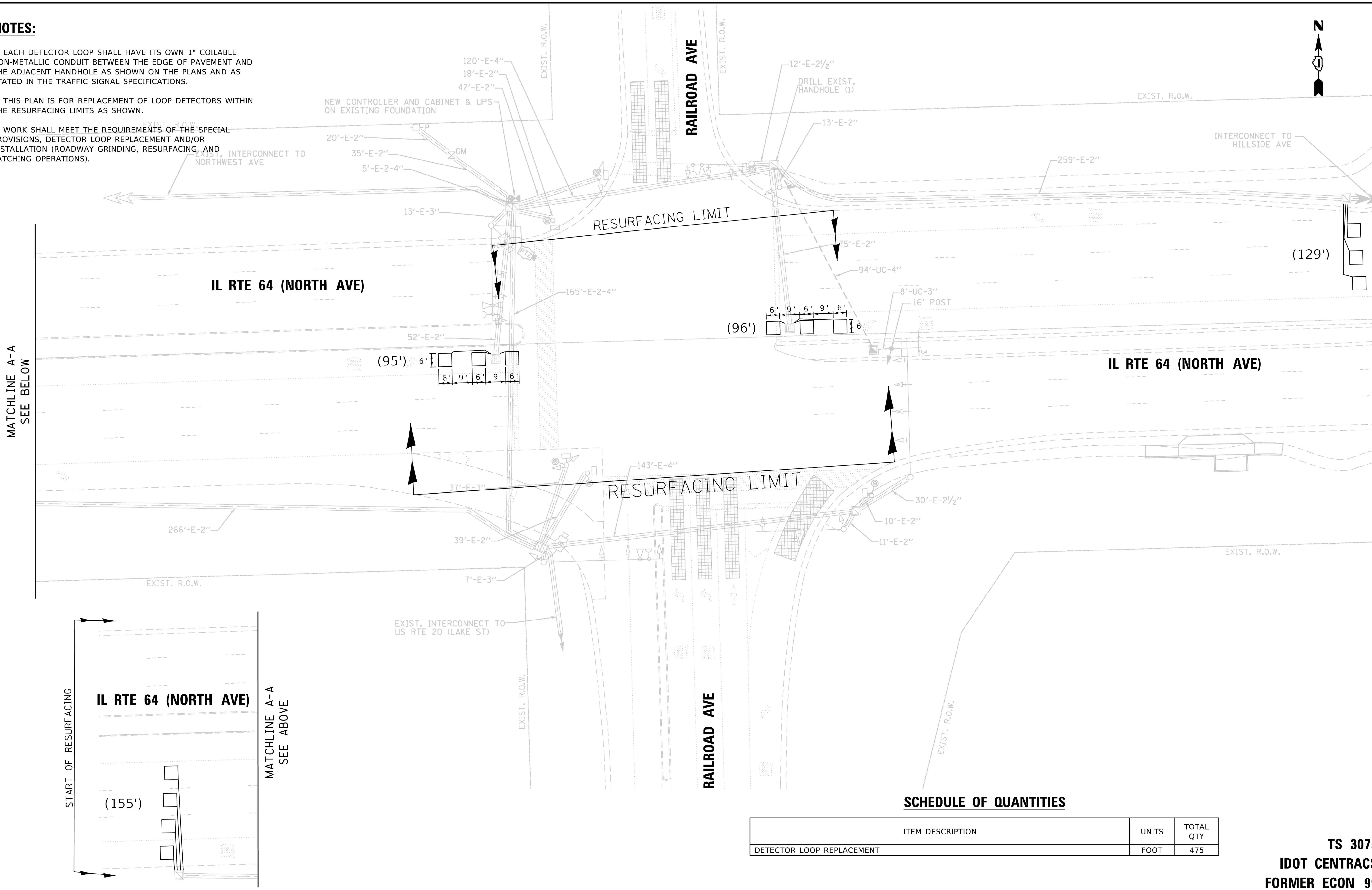
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	46
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	475

TS 3075
IDOT CENTRACS
FORMER ECON 99

MODEL: Default
FILE NAME: S:\WP\Design\JDL\03 InHouse Traffic\62J79\Detector Loop 62J79 IL_RTE_64 waiting Area Eng\TS 3075 - IL 64 North Ave @ Railroad Ave\TS 3075 IL 64 North Ave @ Railroad ave.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/17/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT RAILROAD AVE

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

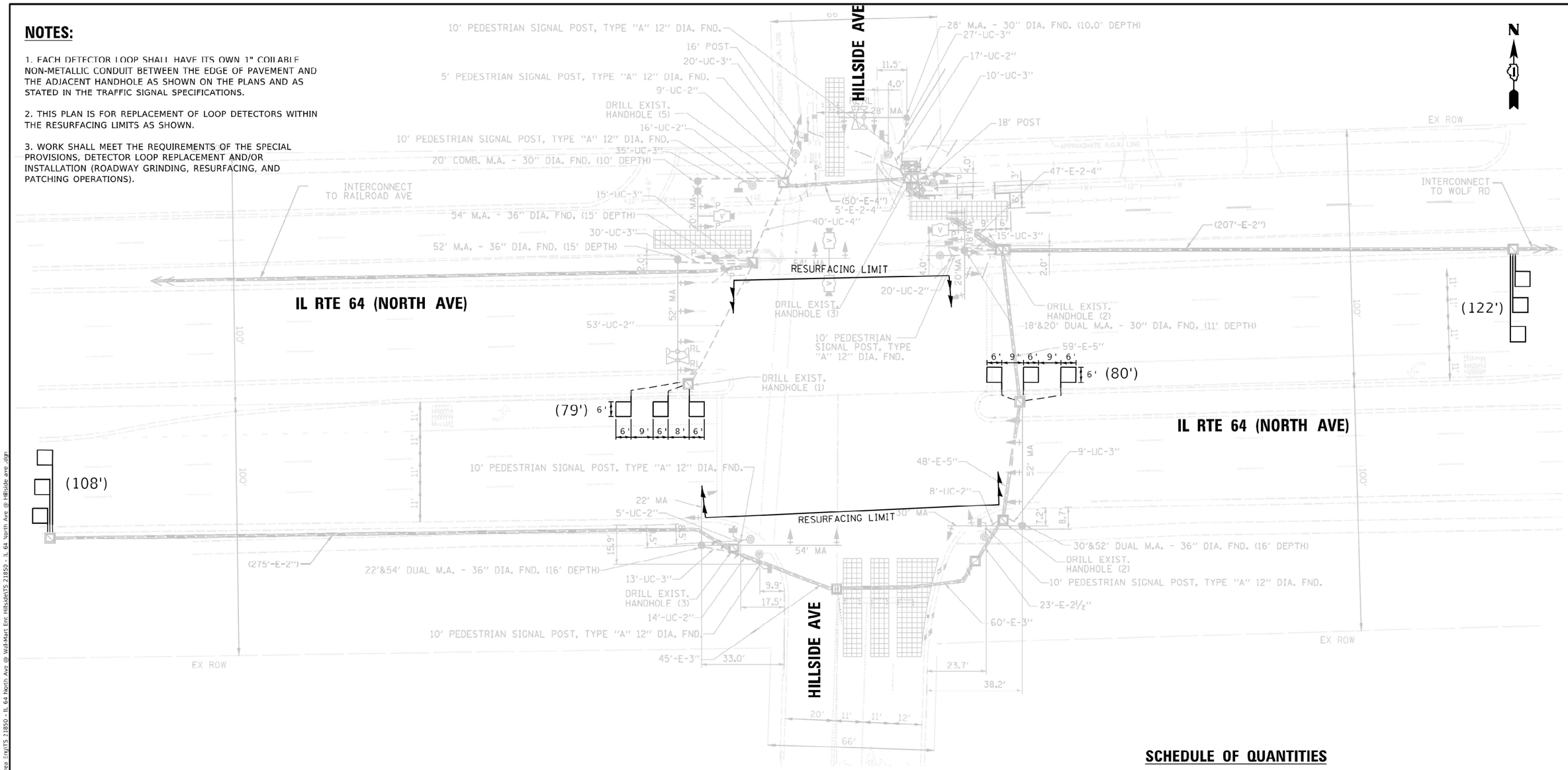
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	47
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	389

TS 21850
IDOT CENTRACS
FORMER ECON 99

MODEL: Default
FILE NAME: S:\WP\Design\DL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Eng\TS 21850 - IL 64 North Ave @ Hillside ave .dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT HILLSIDE AVE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	48
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

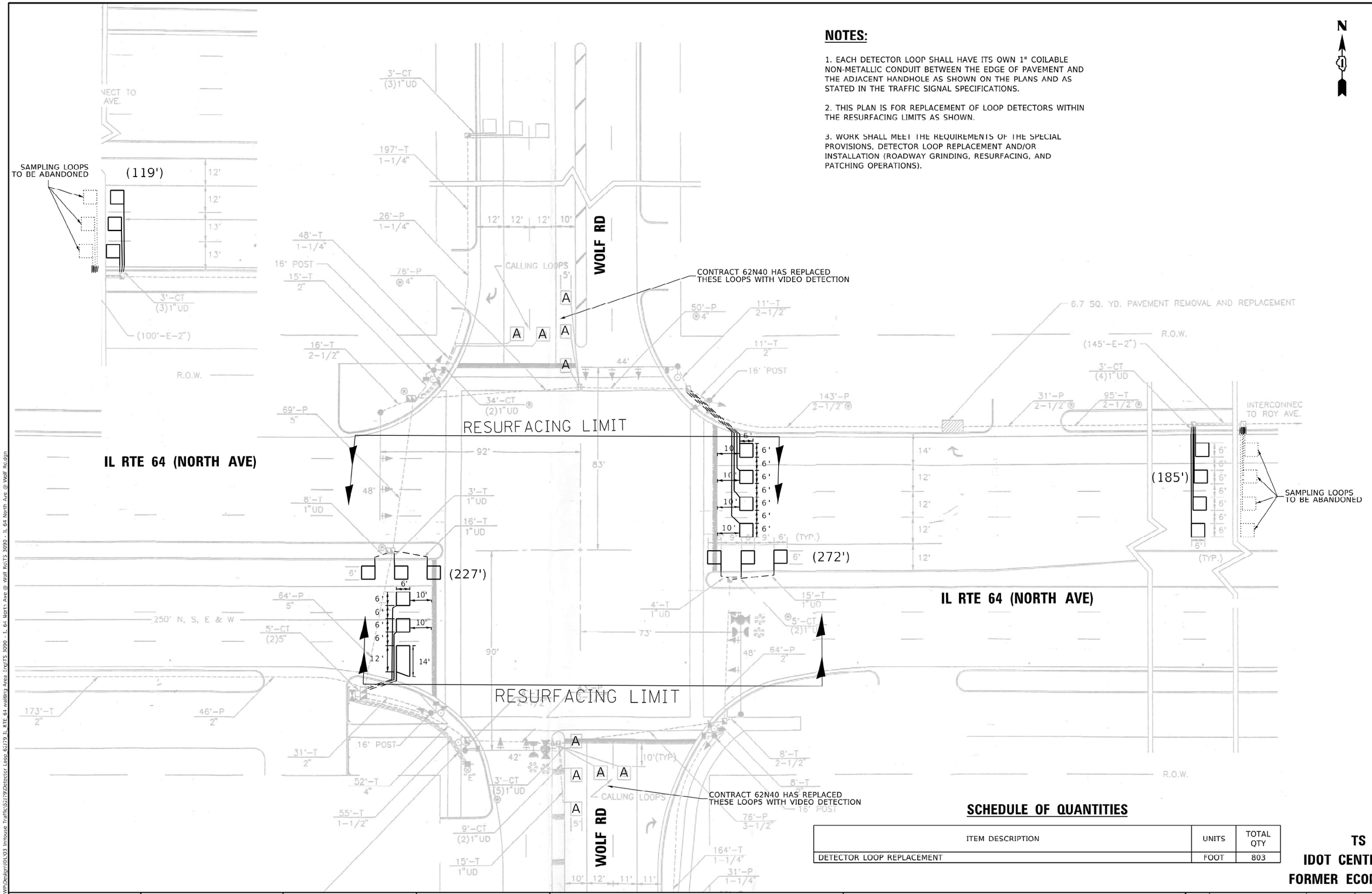
NOTES:

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

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

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

N



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	803

TS 3090
IDOT CENTRACS
FORMER ECON 99

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/9/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT WOLF RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	49
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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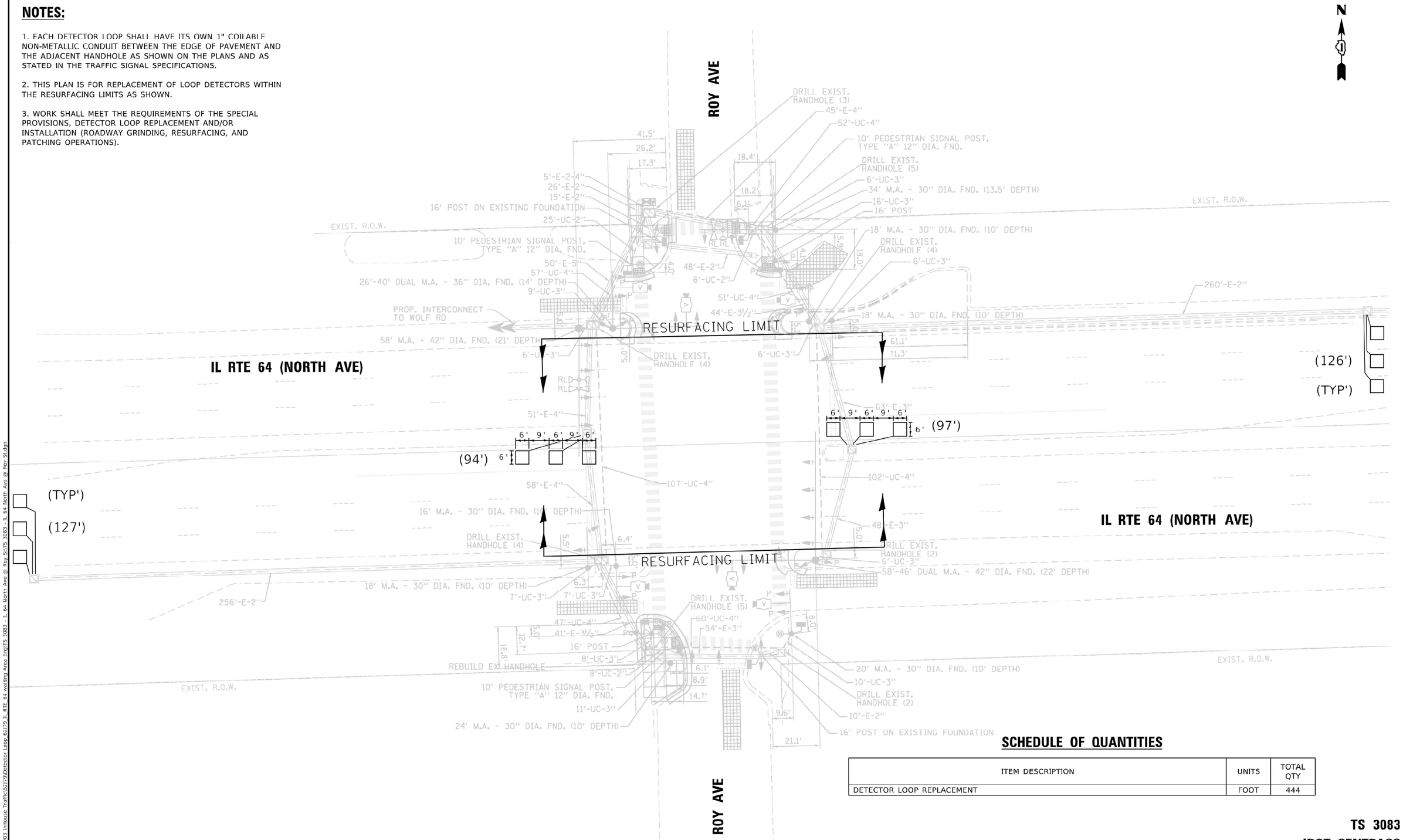
NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	444

TS 3083
IDOT CENTRACS
FORMER ECON 99

MODEL: Default
FILE NAME: S:\WP\Design\DL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 walting Area Engr\TS 3083 - L 64 North Ave @ Roy St.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT ROY AVE

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

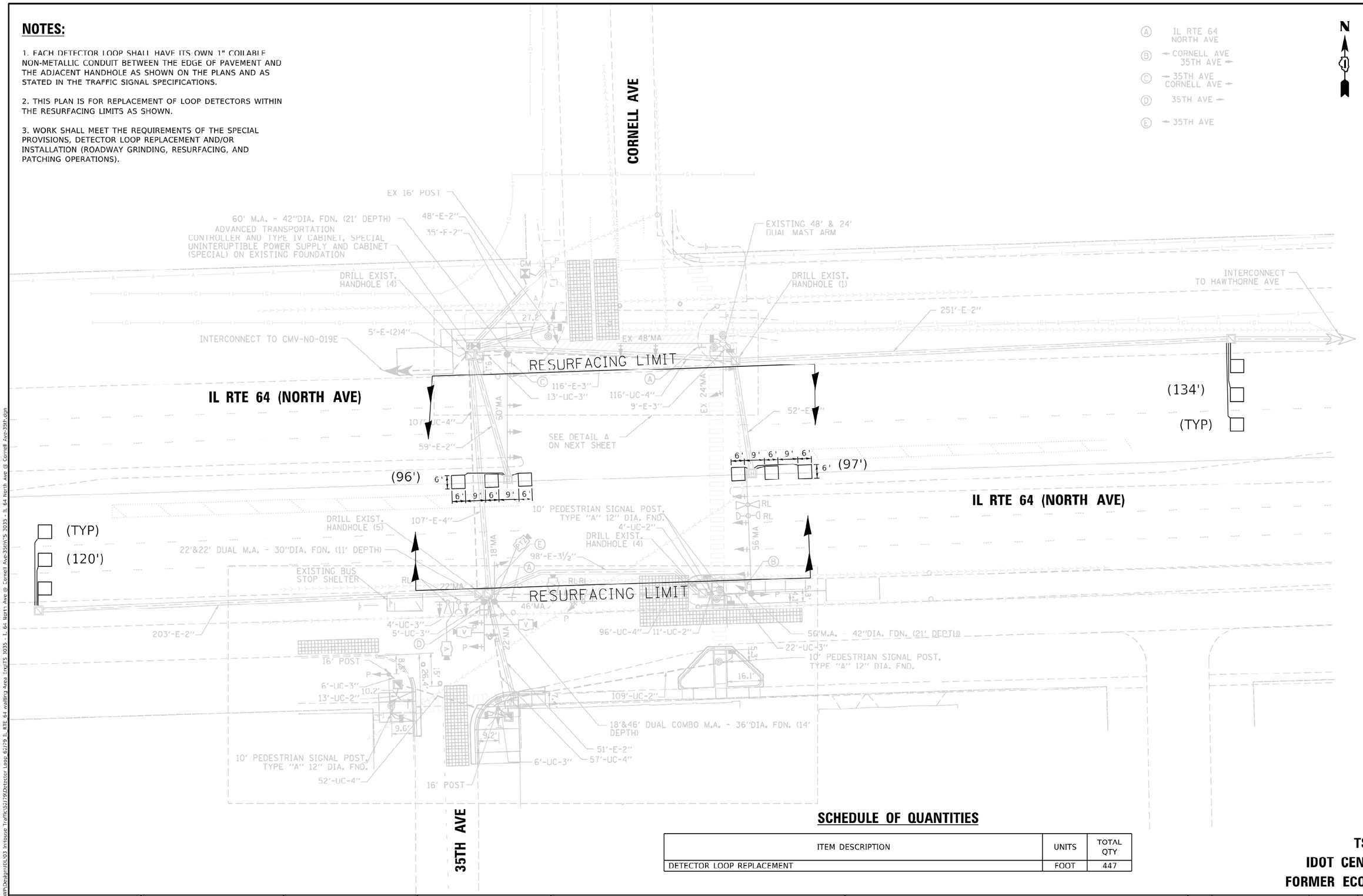
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	50
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	447

TS 3035
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\PW\Design\01\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Eng\TS 3035 - IL 64 North Ave @ Cornell Ave-35th\TS 3035 - IL 64 North Ave @ Cornell Ave-35th.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT CORNELL AVE – 35TH AVE

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

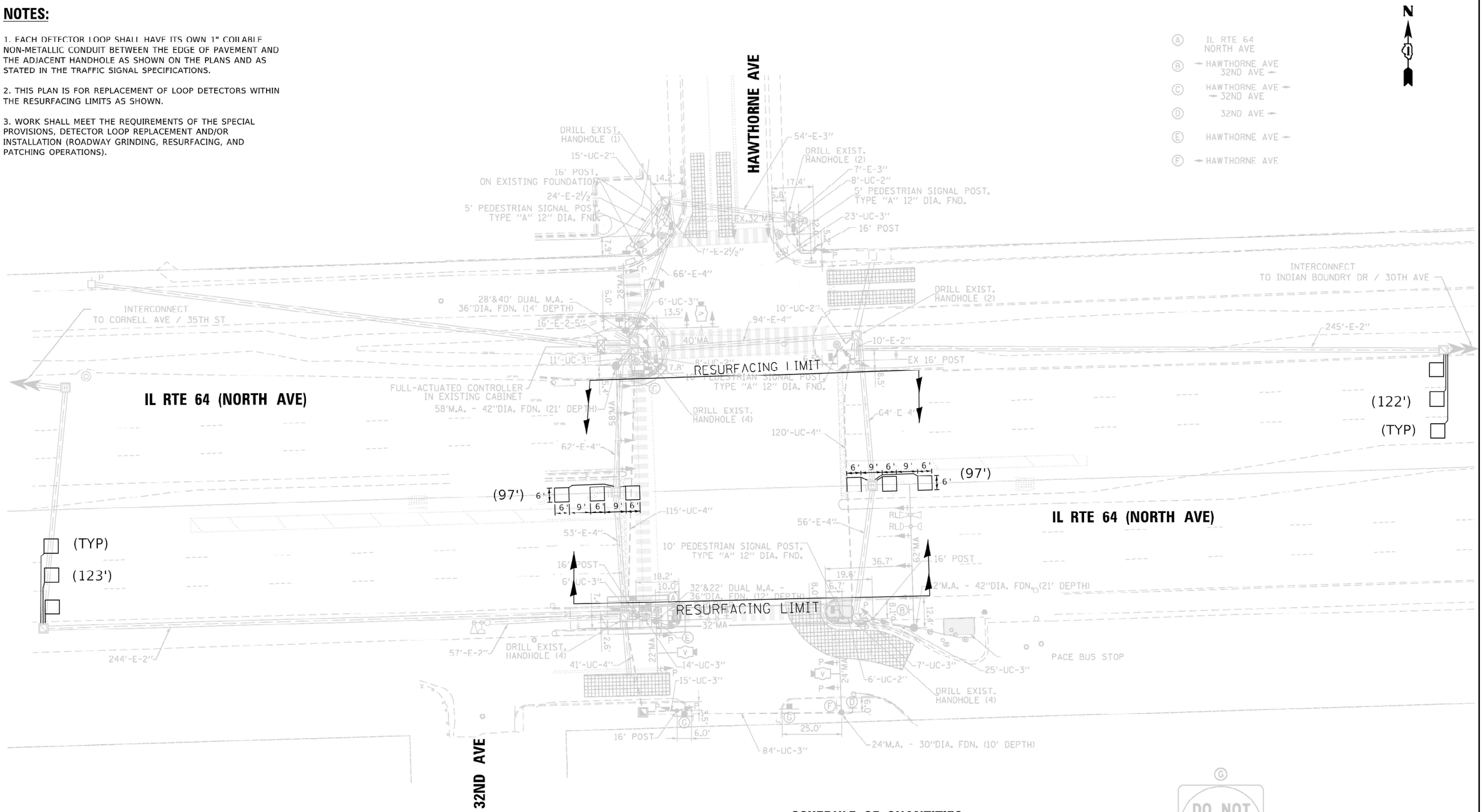
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	51
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	439

TS 3045
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\VDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area engTS 3045 - IL 64 North Ave @ Hawthorne Ave\TS 3045 - IL 64 North Ave @ Hawthorne Ave.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT HAWTHORNE AVE

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

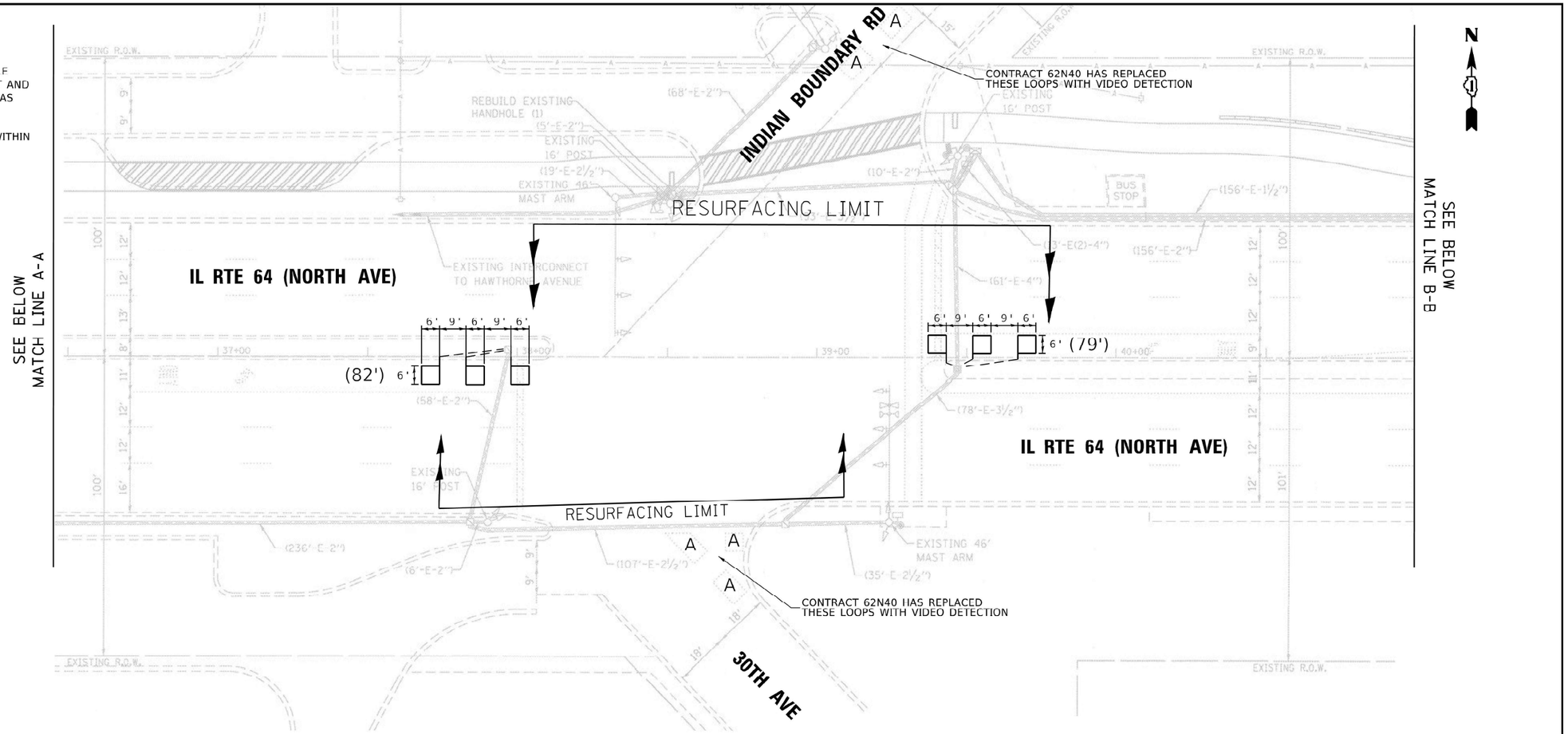
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	52
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

NOTES:

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

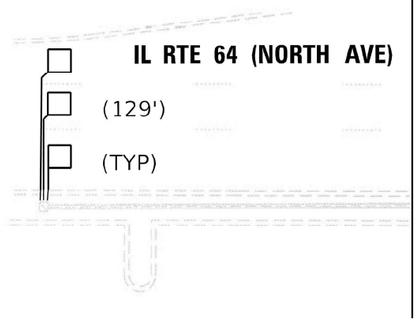
2. THIS PLAN IS FOR REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.

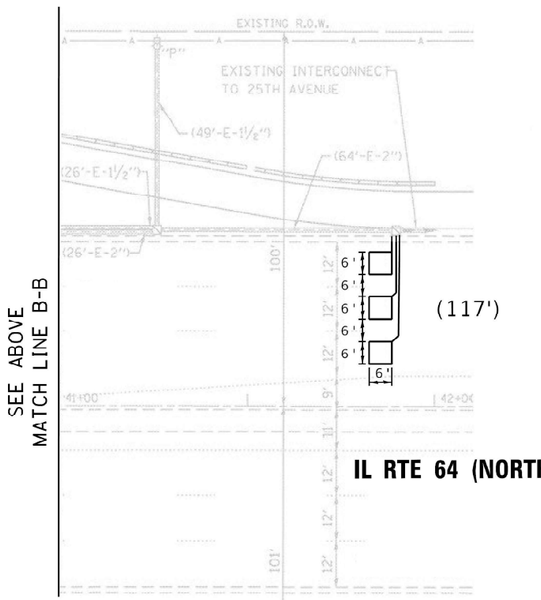
3. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	407





TS 3050
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\IDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Engr\TS 3050 - IL 64 North Ave @ Indian Boundry Rd- Ruby\TS 3050 - IL 64 North Ave @ Indian Boundry Rd- Ruby.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT INDIAN BOUNDRY RD – 30TH AVE

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

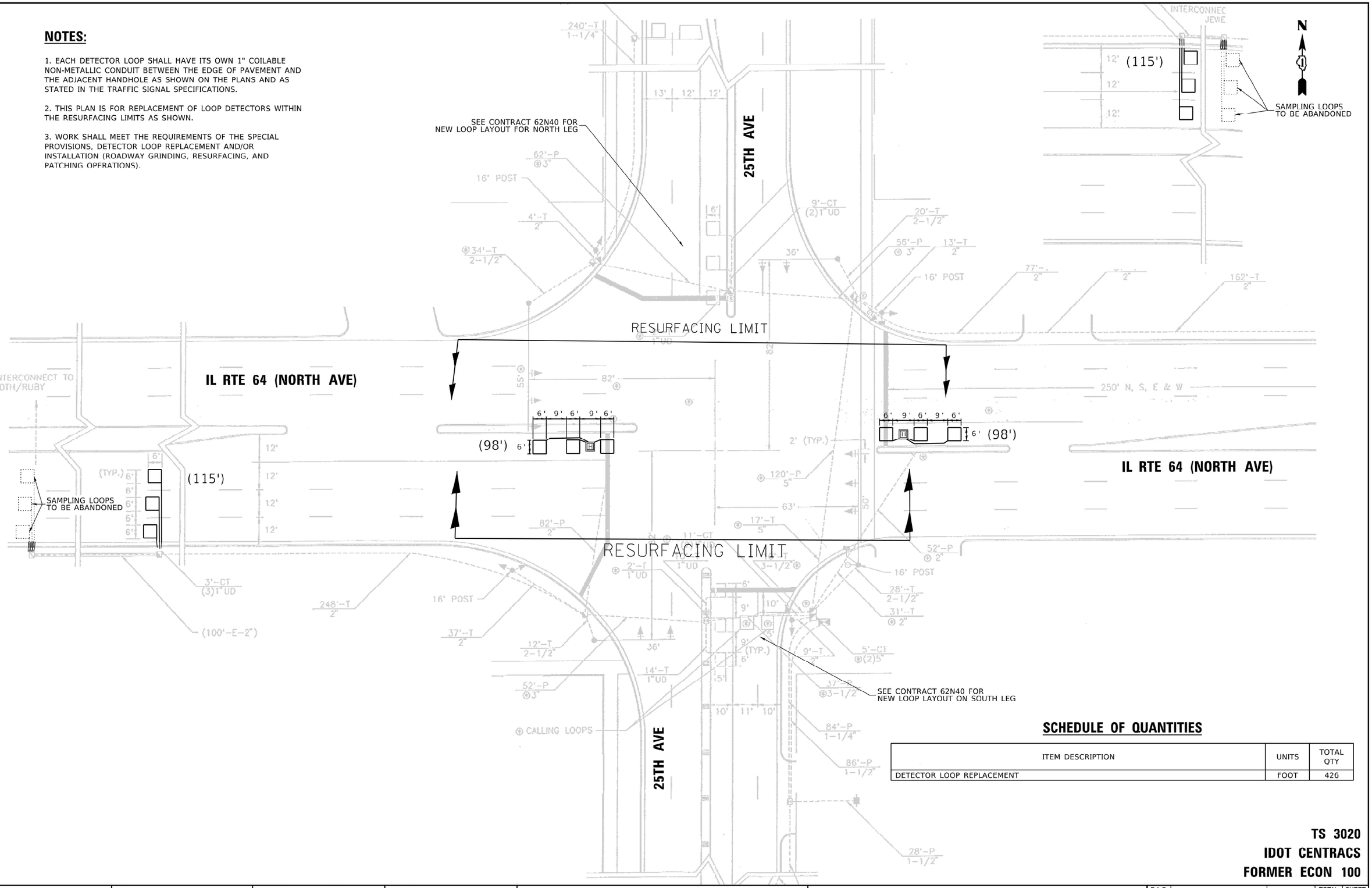
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	53
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	426

TS 3020
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\VDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area.dgn\TS 3020 - IL 64 North Ave @ 25th Ave\TS 302C - IL 64 North Ave @ 25th Ave.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/23/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT 25TH AVE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	54
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

NOTES:

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

2. THIS PLAN IS FOR REPLACEMENT OF LOOP DETECTORS AND INSTALLATION OF VIDEO DETECTION SYSTEM WITHIN THE RESURFACING LIMITS AS SHOWN.

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

4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

5. REUSE THE INDUCTIVE LOOP DETECTOR FROM THE OLD LEFT TURN LANE LOOPS FOR THE PROPOSED LEFT TURN LANE LOOPS

6. PULL BACK THE LEAD-IN CABLE FROM THE ABANDONED CONDUIT AND REUSE FOR THE PROPOSED LEFT TURN LANE LOOPS

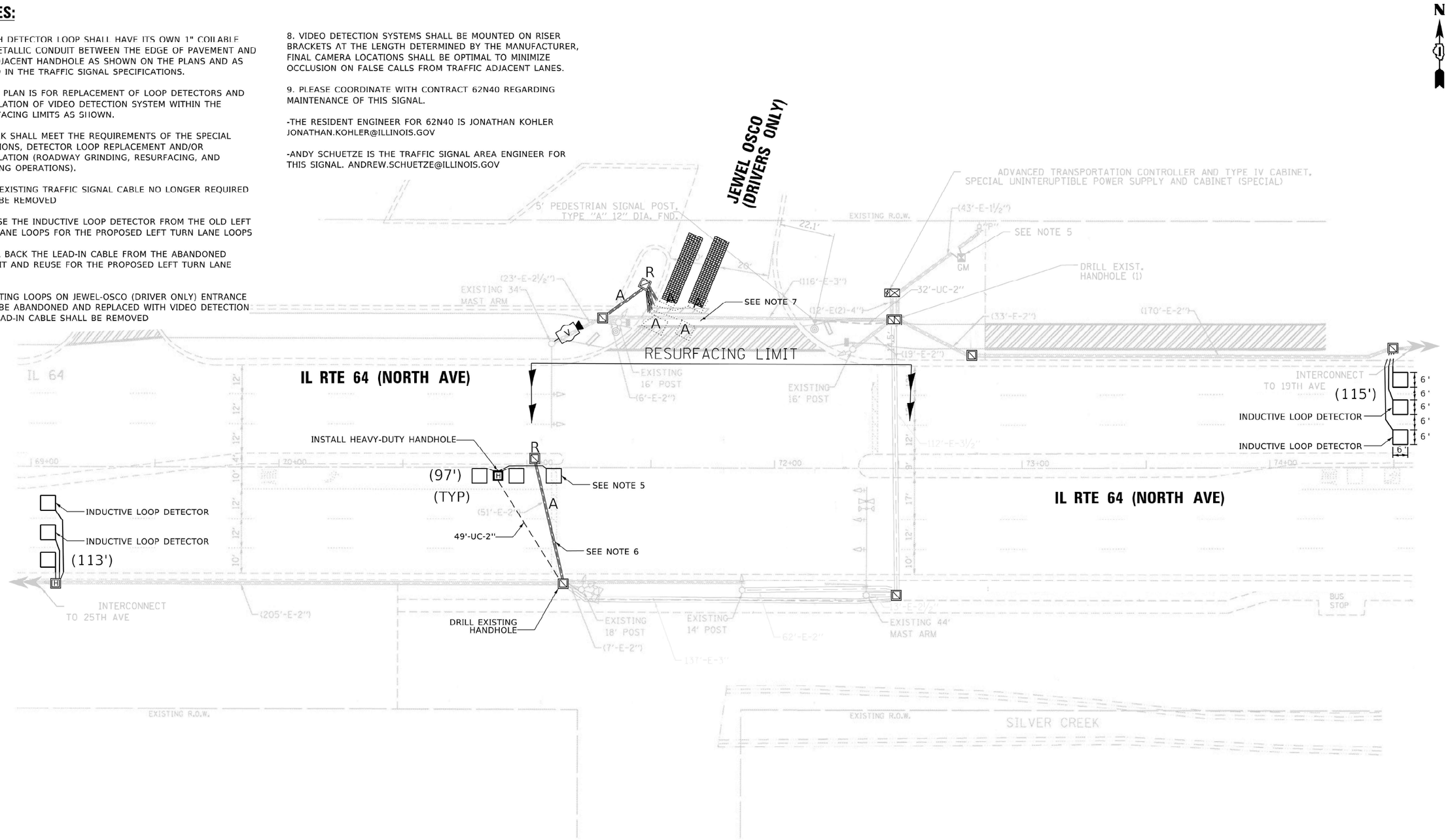
7. EXISTING LOOPS ON JEWEL-OSCO (DRIVER ONLY) ENTRANCE SHALL BE ABANDONED AND REPLACED WITH VIDEO DETECTION AND LEAD-IN CABLE SHALL BE REMOVED

8. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER, FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION ON FALSE CALLS FROM TRAFFIC ADJACENT LANES.

9. PLEASE COORDINATE WITH CONTRACT 62N40 REGARDING MAINTENANCE OF THIS SIGNAL.

-THE RESIDENT ENGINEER FOR 62N40 IS JONATHAN KOHLER JONATHAN.KOHLER@ILLINOIS.GOV

-ANDY SCHUETZE IS THE TRAFFIC SIGNAL AREA ENGINEER FOR THIS SIGNAL. ANDREW.SCHUETZE@ILLINOIS.GOV



TS 10915
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\00\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Eng\TS 10915 - IL 64 North Ave @ Jewel Foods Plant EntrancesTS 10915 - IL 64 North Ave @ Jewel Foods Plant Entrance.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/16/2024	DATE - 8/6/2024	REVISED -	

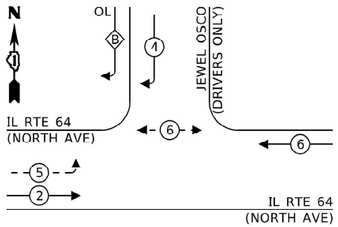
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT JEWEL FOODS PLANT ENTRANCE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	55
		CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



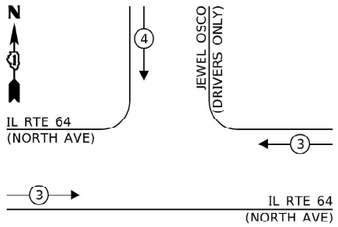
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

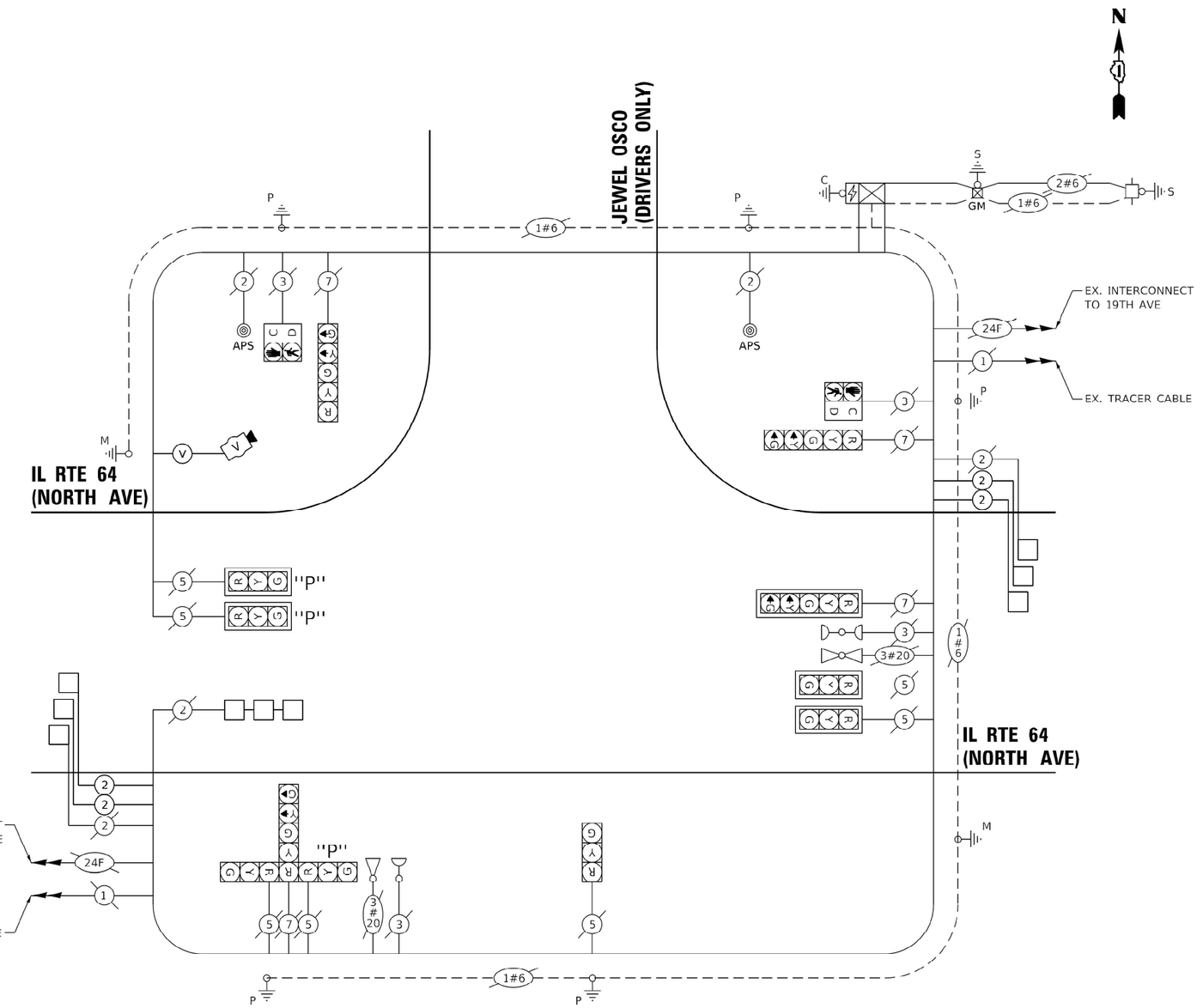
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:

1. CABLE PLAN MADE WITH EXPECTATION THAT THE TRAFFIC SIGNAL WORK ON 62N40 WILL BE COMPLETED BEFORE 62J79 BEGINS



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	453.9

ENERGY COSTS TO:

VILLAGE OF MELROSE PARK
1000 N. 25TH AVENUE
MELROSE PARK, IL 60160

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	49
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1362
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	325
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	167
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	51
REMOVE EXISTING HANDHOLE	EACH	2
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1

TS 10915
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\DL\03 Inhouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 walking Area Engr\TS 10913 - IL 64 North Ave @ Jewel Foods Plant Entrance\TS 10913 - IL 64 North Ave @ Jewel Foods Plant Entrance.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/27/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) AT JEWEL FOODS PLANT ENTRANCE

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

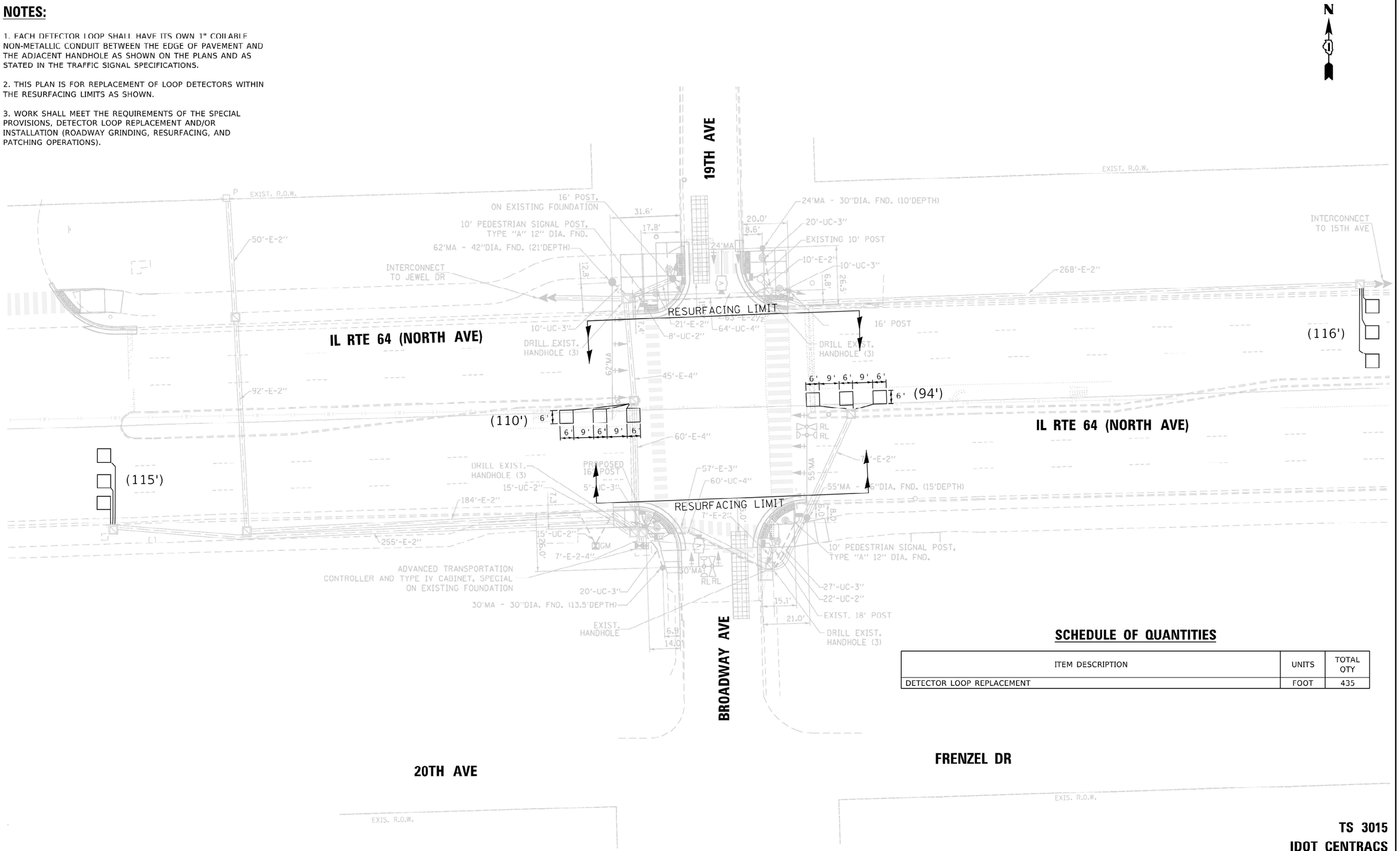
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	56
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	435

TS 3015
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\IDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Eng\TS 3015 - L 64 North Ave @ 19th Ave-Broadway\TS 3015 - IL 64 North Ave @ 19th Ave-Broadway.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/27/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT 19TH AVE – BROADWAY AVE

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

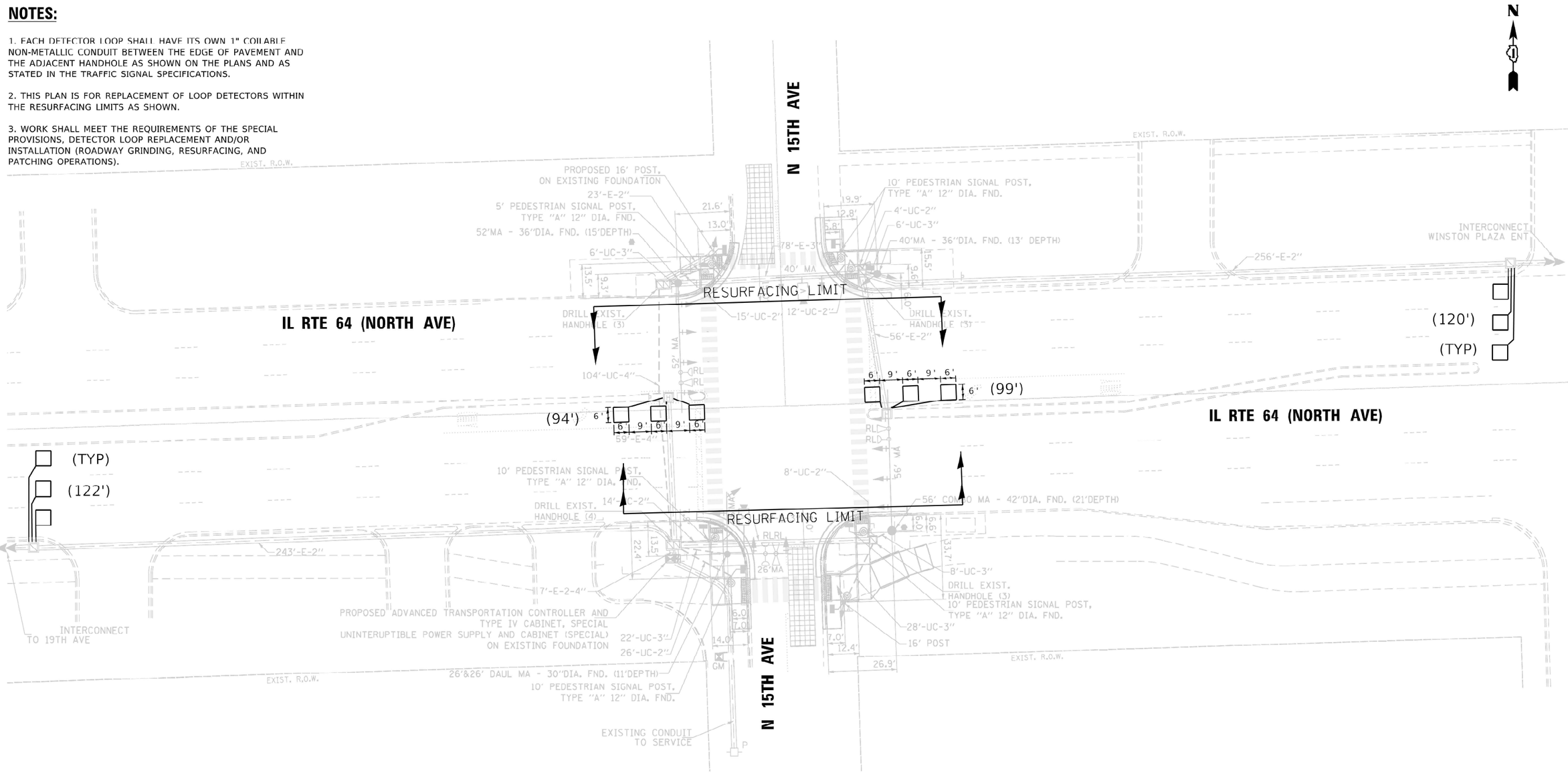
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	57
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	435

TS 14265
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\VOL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area ==\TS 14265 - IL 64 North Ave @ 15th Ave\TS 14265 - IL 64 North Ave @ 15th Ave.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT N 15TH AVE

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

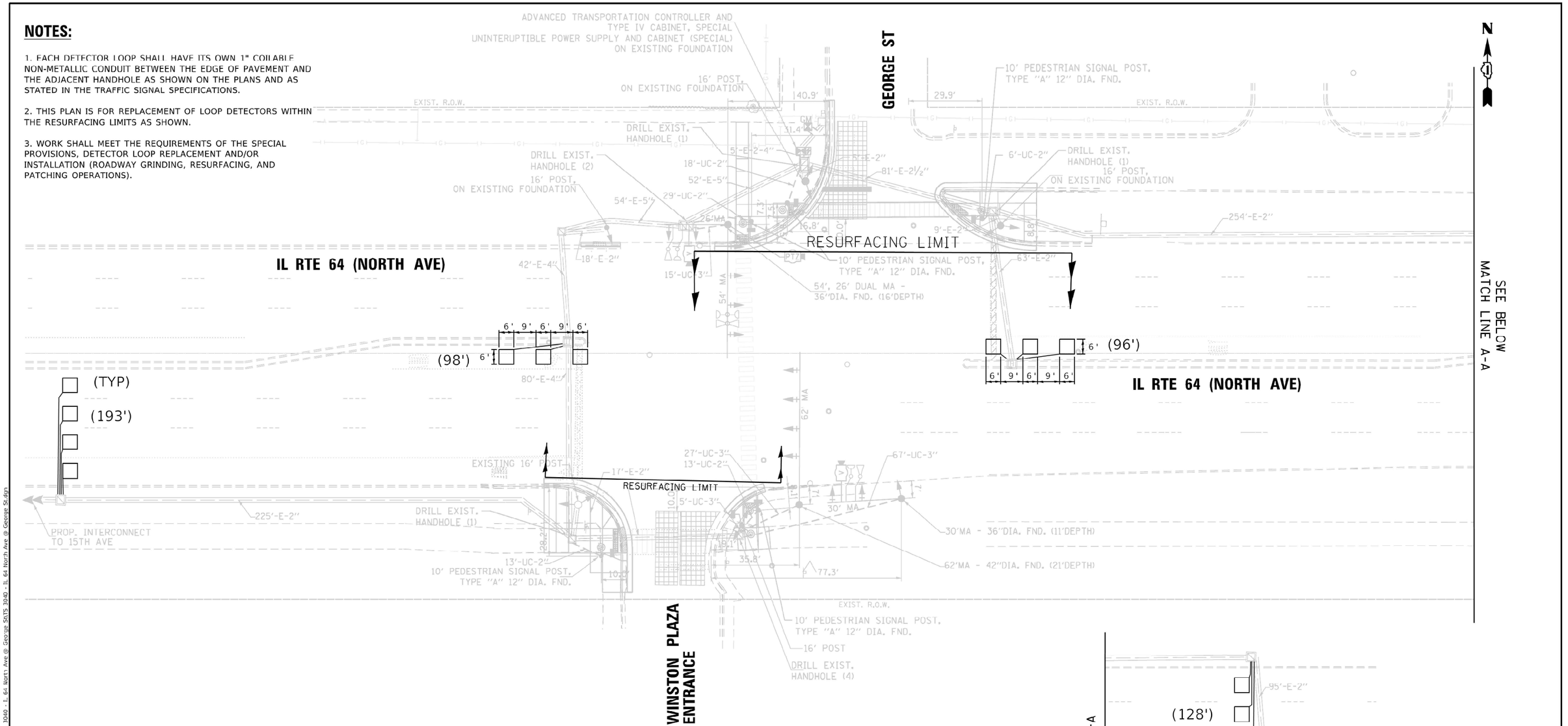
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	58
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

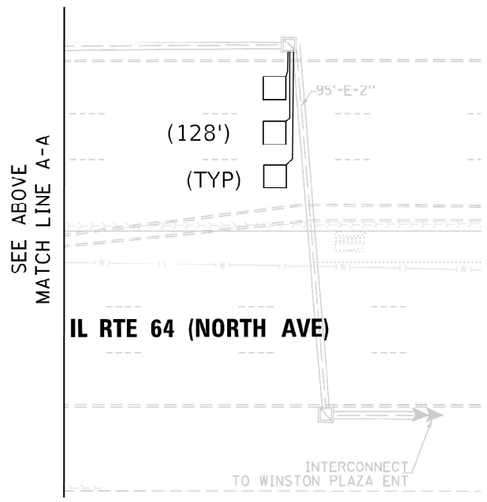
NOTES:

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

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

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





SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	515

TS 3040
IDOT CENTRACS
FORMER ECON 100

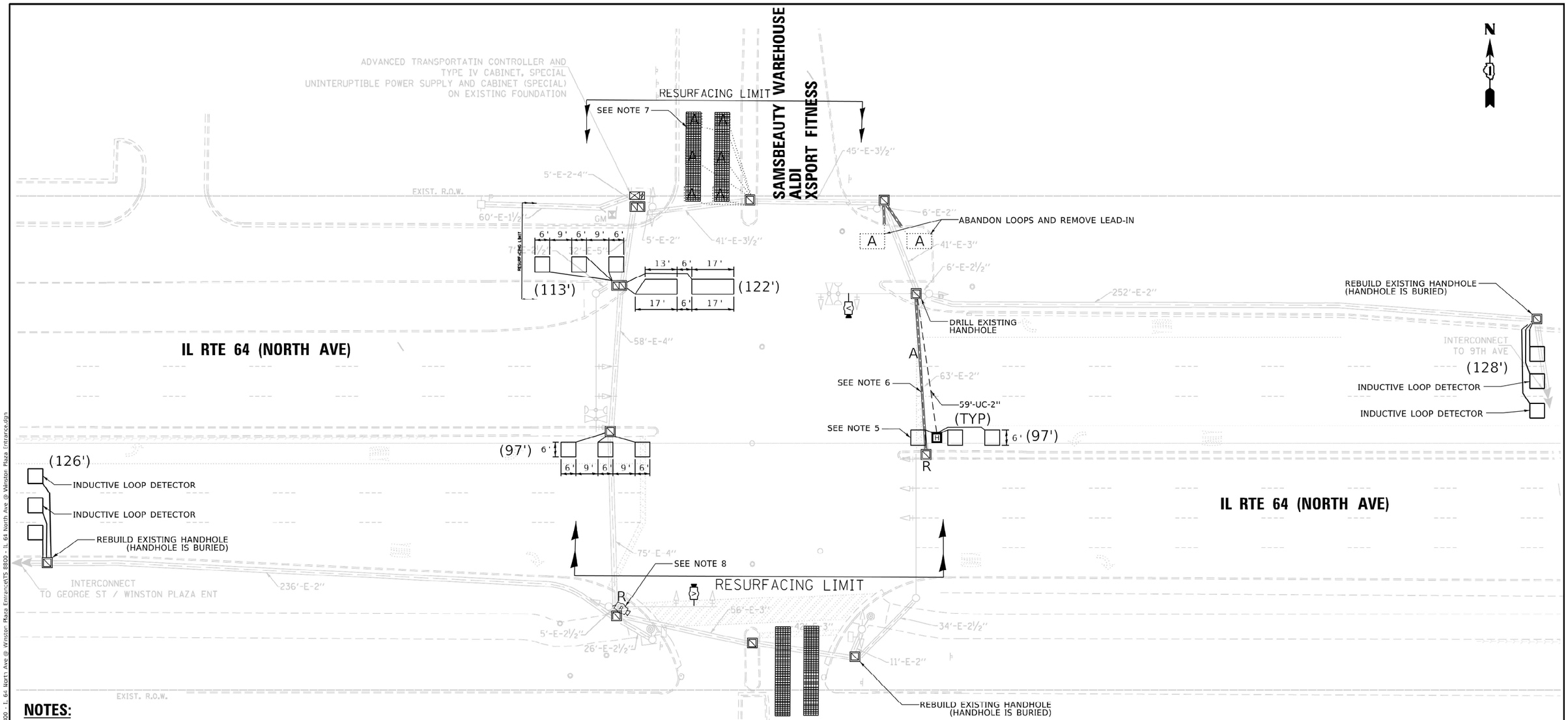
MODEL: Default
FILE NAME: S:\WP\Design\IDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Eng\TS 3040 - I. 64 North Ave @ George St\TS 3040 - IL 64 North Ave @ George St.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL RTE 64 (NORTH AVE) AT GEORGE ST – WINSTON PLAZA W ENTRANCE
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	59
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



NOTES:

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

2. THIS PLAN IS FOR REPLACEMENT OF LOOP DETECTORS AND INSTALLATION OF VIDEO DETECTION SYSTEM WITHIN THE RESURFACING LIMITS AS SHOWN.

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

4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

5. REUSE THE INDUCTIVE LOOP DETECTOR FROM THE OLD LEFT TURN LANE LOOPS FOR THE PROPOSED LEFT TURN LANE LOOPS

6. PULL BACK THE LEAD IN CABLE FROM THE ABANDONED CONDUIT AND REUSE FOR THE PROPOSED LEFT TURN LANE LOOPS

7. EXISTING LOOPS ON WINSTON PLAZA ENTRANCE SHALL BE MILLED AND REPLACED WITH VIDEO DETECTION AND LEAD-IN CABLE SHALL BE REMOVED

8. THE REMOVAL OF 246 FEET OF RADAR CABLE SHALL BE PAID FOR UNDER 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT

9. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER, FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION ON FALSE CALLS FROM TRAFFIC ADJACENT LANES.

8. PLEASE COORDINATE WITH CONTRACT 62N40 REGARDING MAINTENANCE OF THIS SIGNAL.

-THE RESIDENT ENGINEER FOR 62N40 IS JONATHAN KOHLER
JONATHAN.KOHLER@ILLINOIS.GOV

-ANDY SCHUETZE IS THE TRAFFIC SIGNAL AREA ENGINEER FOR THIS SIGNAL. ANDREW.SCHUETZE@ILLINOIS.GOV

REMOVAL AND RELOCATION NOTES:

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

1	EACH	RADAR DETECTOR
1	EACH	RADAR AMPLIFIER

TS 8800
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\IDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area .dgn\TS 8800 - IL 64 North Ave @ Winston Plaza Entrance.dgn

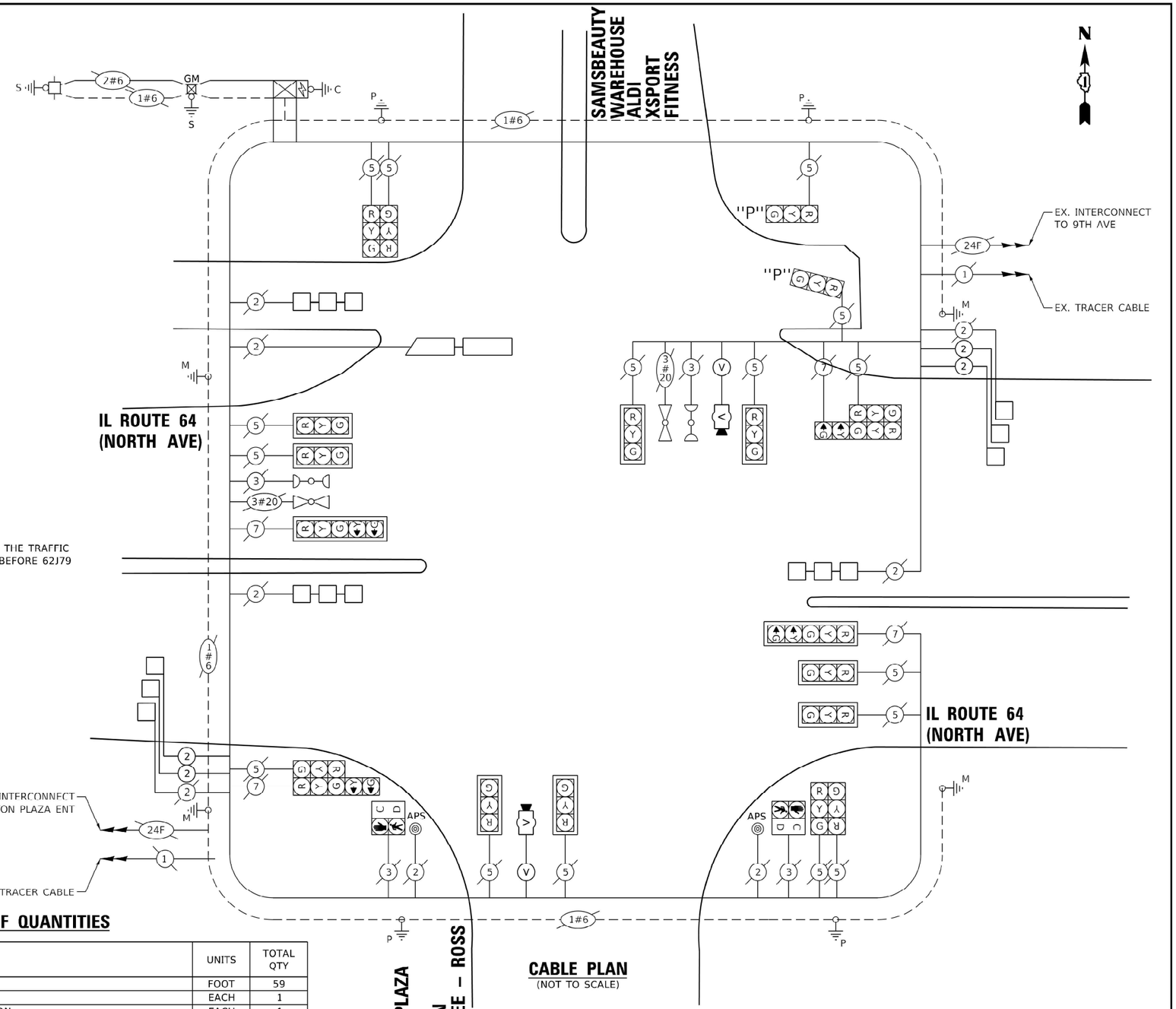
USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/16/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT WINSTON PLAZA E ENTRANCE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	60
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



CABLE PLAN
(NOT TO SCALE)

NOTES:

1. CABLE PLAN MADE WITH EXPECTATION THAT THE TRAFFIC SIGNAL WORK ON 62N40 WILL BE COMPLETED BEFORE 62J79 BEGINS

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	2	150	100	300.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	711.0

ENERGY COSTS TO:

VILLAGE OF MELROSE PARK
1000 N. 25TH AVENUE
MELROSE PARK, IL 60160

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	59
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1777
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	683
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	515
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	63
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
REMOVE EXISTING HANDHOLE	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2

TS 8800
IDOT CENTRACS
FORMER ECON 100

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/16/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

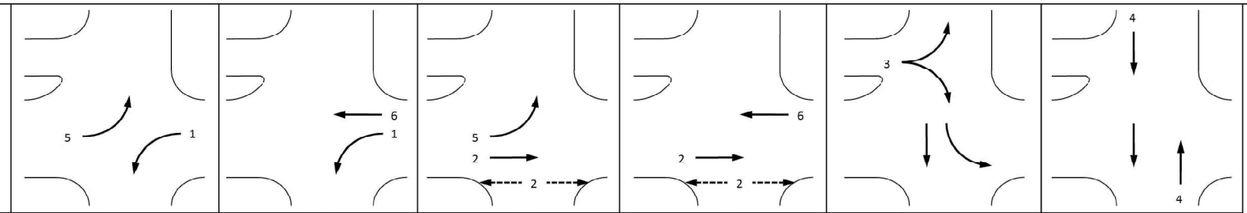
CABLE PLAN AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AT WINSTON PLAZA E ENTRANCE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	61
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\WP\Design\DLO3 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 walting Area Eng\TS 8800 - IL 64 North Ave @ Winston Plaza Entrance.dgn

SEQUENCE OF OPERATION



MOVEMENT		1	2	3	4	5	6	7	8	9	10	11	12A	12B	13	14A	14B	14C	14D	15A	15B	15C	16	17A	17B	17C	17D	FLASH
PHASE		1+5				1+6		2+5			2+6				3								4					
INTERVAL		1	2	3	4	5	6	7	8	9	10	11	12A	12B	13	14A	14B	14C	14D	15A	15B	15C	16	17A	17B	17C	17D	
CHANGE TO			1+6	2+5	2+6		2+6	θ	θ	2+6			3 4			1+5, 1+6 2+5, 2+6				4				1+5, 1+6 2+5, 2+6				
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	E/B	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
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	E/B	R ←G	R ←Y	R ←G	R ←Y	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
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	W/B	R	R	R	R	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	W/B	R ←G	R ←G	R ←Y	R ←Y	G ←G	G ←Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FRONTAGE RD ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	←G G→	Y	R	R	R	Y	R	R	R	R	R	R	R	R
WINSTON PLAZA ENTRANCE ALL SIGNALS	N/B	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	R
WINSTON PLAZA ENTRANCE AT FRONTAGE RD ALL SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
WINSTON PLAZA ENTRANCE AT IL 64 (NORTH AVE) FAR RIGHT MAST ARM SIGNAL	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	G	G	G	Y	R	R
WINSTON PLAZA ENTRANCE AT IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G ←G	G ←G	G ←G	Y	R	G ←G	G ←G	G ←Y	G	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING WINSTON PLAZA ENTRANCE ON SOUTH SIDE OF IL 64 (NORTH AVE)		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	DARK

PHASES 2+6 SHALL BE PLACED ON RECALL
* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
** FLASHING HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE
P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK

θ THE 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 WALK OR FLASHING DON'T WALK INTERVALS

WALK AND FLASHING DON'T WALK TIMINGS TO BE SET ONLY ON PHASES WHERE WALK AND FLASHING DON'T WALK ARE INDICATED IN THE SEQUENCE OF OPERATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																									PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1	5	5		7		7			10	10			13				13				16		16			
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	2	3	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		2 OR 3	2	1D	3	1F	2	1H	1J	3	2	1M	1N	3	1Q	1R	1S	2	1U	1V	3	1X	1Y	1Z	2	3			◊
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	E/B	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	G	R	◊
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	E/B	R ←Y	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	G	R	◊
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	W/B	R	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	W/B	R ←Y	G ←Y	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
FRONTAGE RD ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	◊
WINSTON PLAZA ENTRANCE ALL SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	R	G	◊
WINSTON PLAZA ENTRANCE AT FRONTAGE RD ALL SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	G	R	G	◊
WINSTON PLAZA ENTRANCE AT IL 64 (NORTH AVE) FAR RIGHT MAST ARM SIGNAL	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	G	G	Y	R	G	R	G	◊
WINSTON PLAZA ENTRANCE AT IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G ←G	G ←G	Y	R	G ←G	G ←G	G ←Y	G	G	Y	R	G	R	G	◊
PEDESTRIAN SIGNALS CROSSING WINSTON PLAZA ENTRANCE ON SOUTH SIDE OF IL 64 (NORTH AVE)		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	◊

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

TS 8800
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\DL03 Inhouse Traffic\62J79 IL RTE 64 walking Area Imp\TS 8800 - IL 64 North Ave @ Winston Plaza Entrance\TS 8800 - IL 64 North Ave @ Winston Plaza Entrance.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/16/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) AT WINSTON PLAZA E ENTRANCE

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

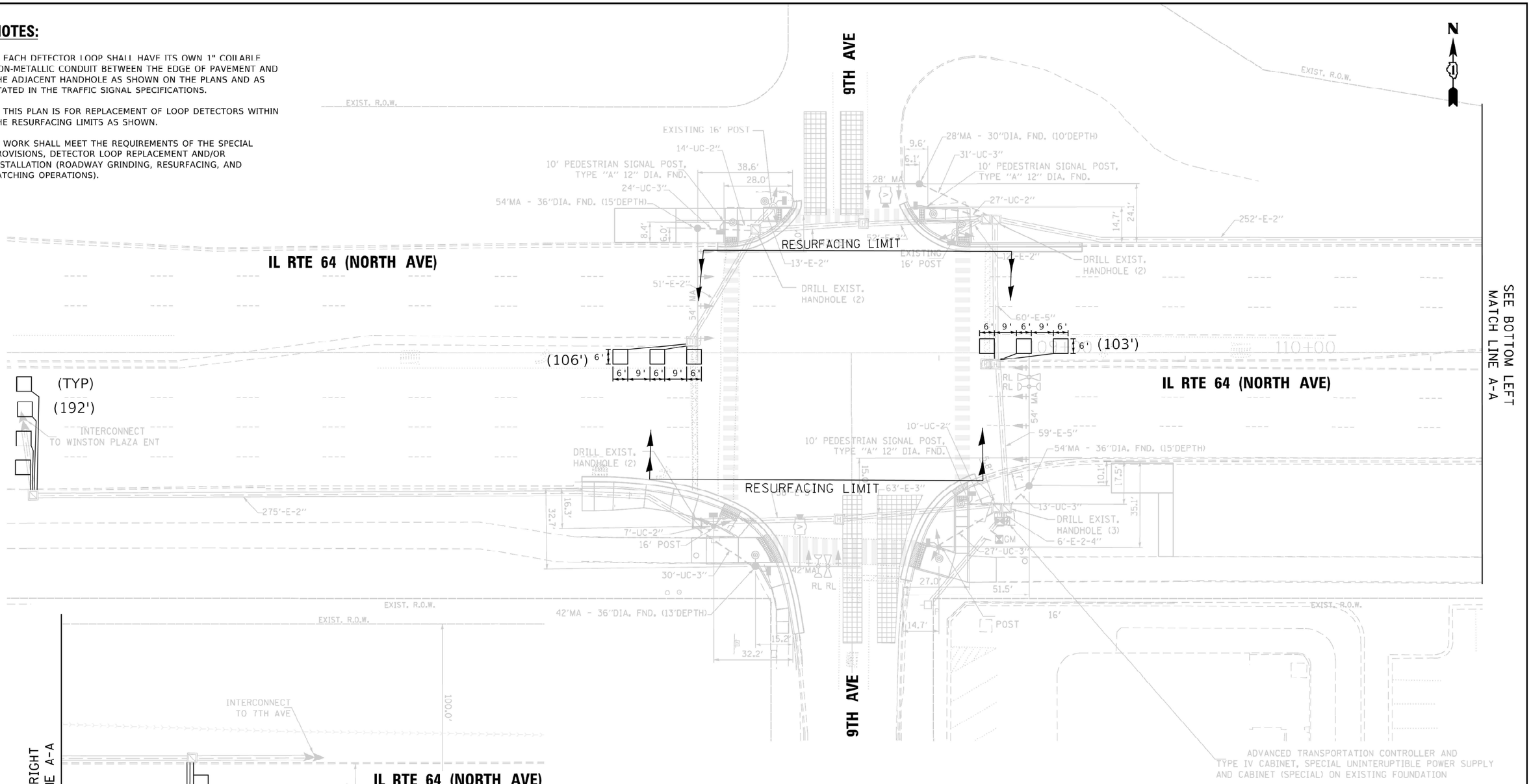
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	62
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	526

TS 3010
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\PWDesign\01\003 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Eng\TS 3010 - IL 64 North Ave @ 9th Ave\TS 3013 - IL 64 North Ave @ 9th Ave.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -
	DRAWN - J.LARSON	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL RTE 64 (NORTH AVE) AT 9TH AVE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	63
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

NOTES:

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

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

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

4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

5. REUSE THE INDUCTIVE LOOP DETECTOR FROM THE OLD LEFT TURN LANE LOOPS FOR THE PROPOSED LEFT TURN LANE LOOPS

6. THE REMOVAL OF 320 FEET OF RADAR CABLE SHALL BE PAID FOR UNDER 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT

7. EXISTING LOOPS ON 7TH AVE SHALL BE ABANDONED AND REPLACED WITH VIDEO DETECTION AND LEAD-IN CABLE SHALL BE REMOVED

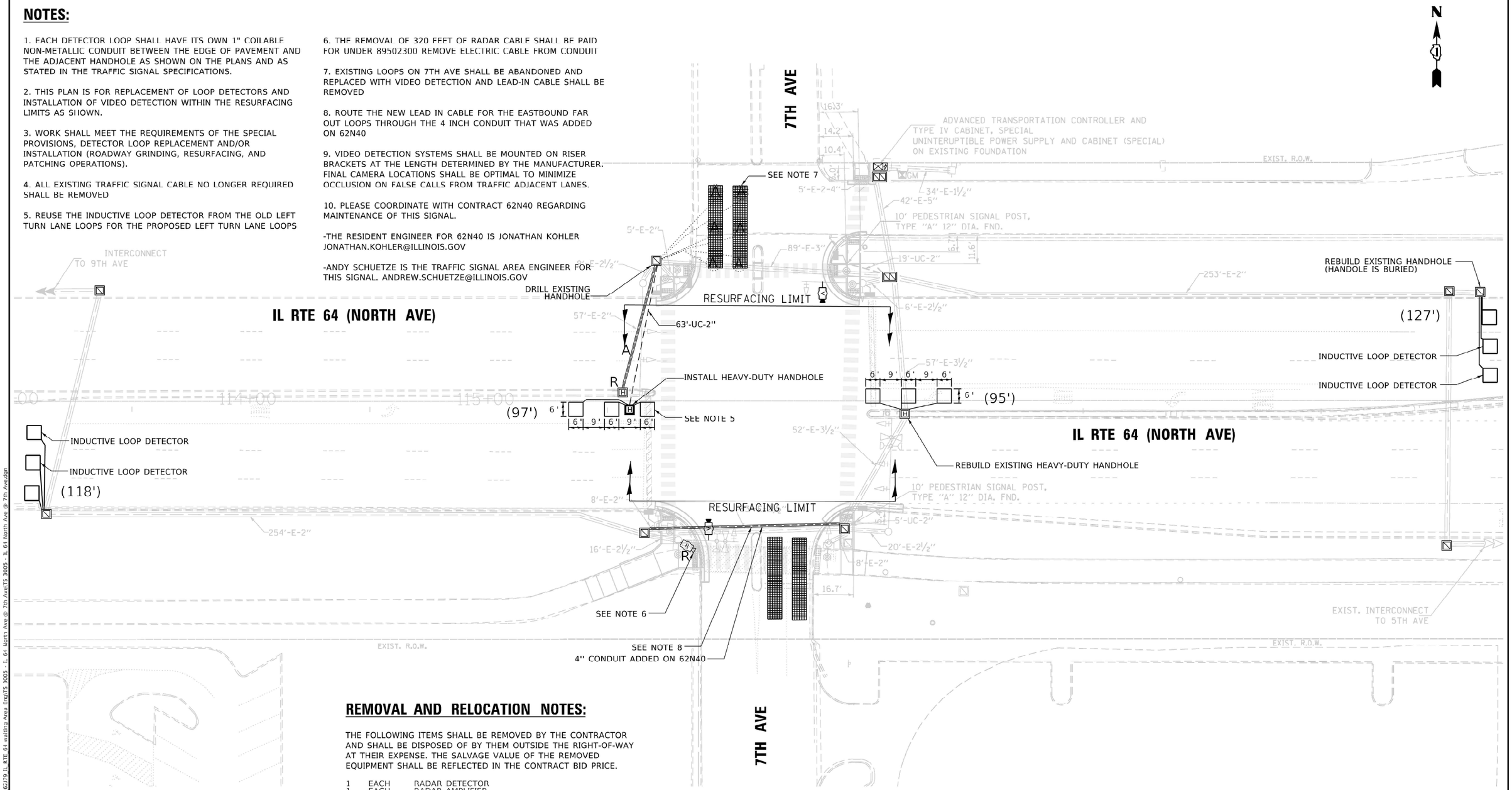
8. ROUTE THE NEW LEAD IN CABLE FOR THE EASTBOUND FAR OUT LOOPS THROUGH THE 4 INCH CONDUIT THAT WAS ADDED ON 62N40

9. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION ON FALSE CALLS FROM TRAFFIC ADJACENT LANES.

10. PLEASE COORDINATE WITH CONTRACT 62N40 REGARDING MAINTENANCE OF THIS SIGNAL.

-THE RESIDENT ENGINEER FOR 62N40 IS JONATHAN KOHLER JONATHAN.KOHLER@ILLINOIS.GOV

-ANDY SCHUETZE IS THE TRAFFIC SIGNAL AREA ENGINEER FOR THIS SIGNAL. ANDREW.SCHUETZE@ILLINOIS.GOV



REMOVAL AND RELOCATION NOTES:

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

1	EACH	RADAR DETECTOR
1	EACH	RADAR AMPLIFIER

TS 3005
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\VDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area engTS 3005 - IL 64 North Ave @ 7th Ave\TS 3005 - IL 64 North Ave @ 7th Ave.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/16/2024	DATE - 8/6/2024	REVISED -	

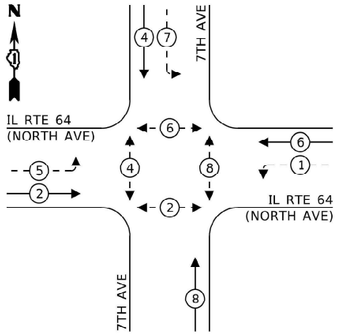
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT 7TH AVE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	64
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

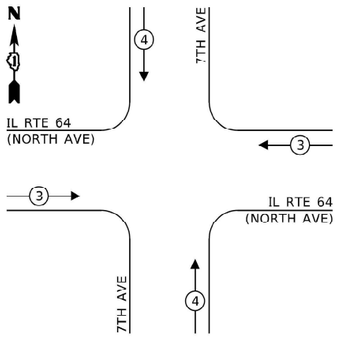
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:

1. CABLE PLAN MADE WITH EXPECTATION THAT THE TRAFFIC SIGNAL WORK ON 62N40 WILL BE COMPLETED BEFORE 62J79 BEGINS

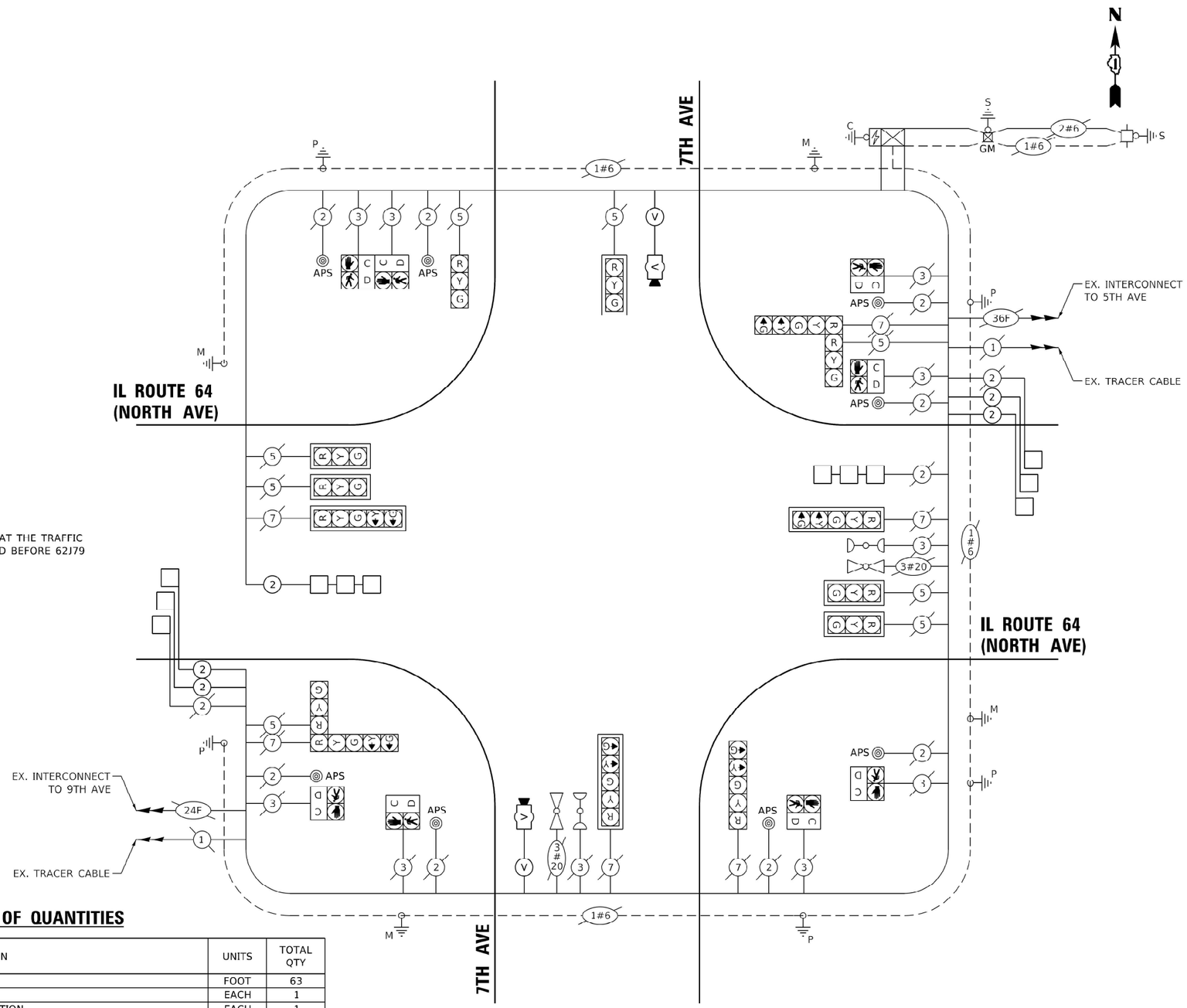
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	2	150	100	300.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	763.6

ENERGY COSTS TO:

VILLAGE OF MELROSE PARK
1000 N. 25TH AVENUE
MELROSE PARK, IL 60160

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	63
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2081
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	437
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	910
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	1

TS 3005
IDOT CENTRACS
FORMER ECON 100

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/17/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) AT 7TH AVE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	65
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

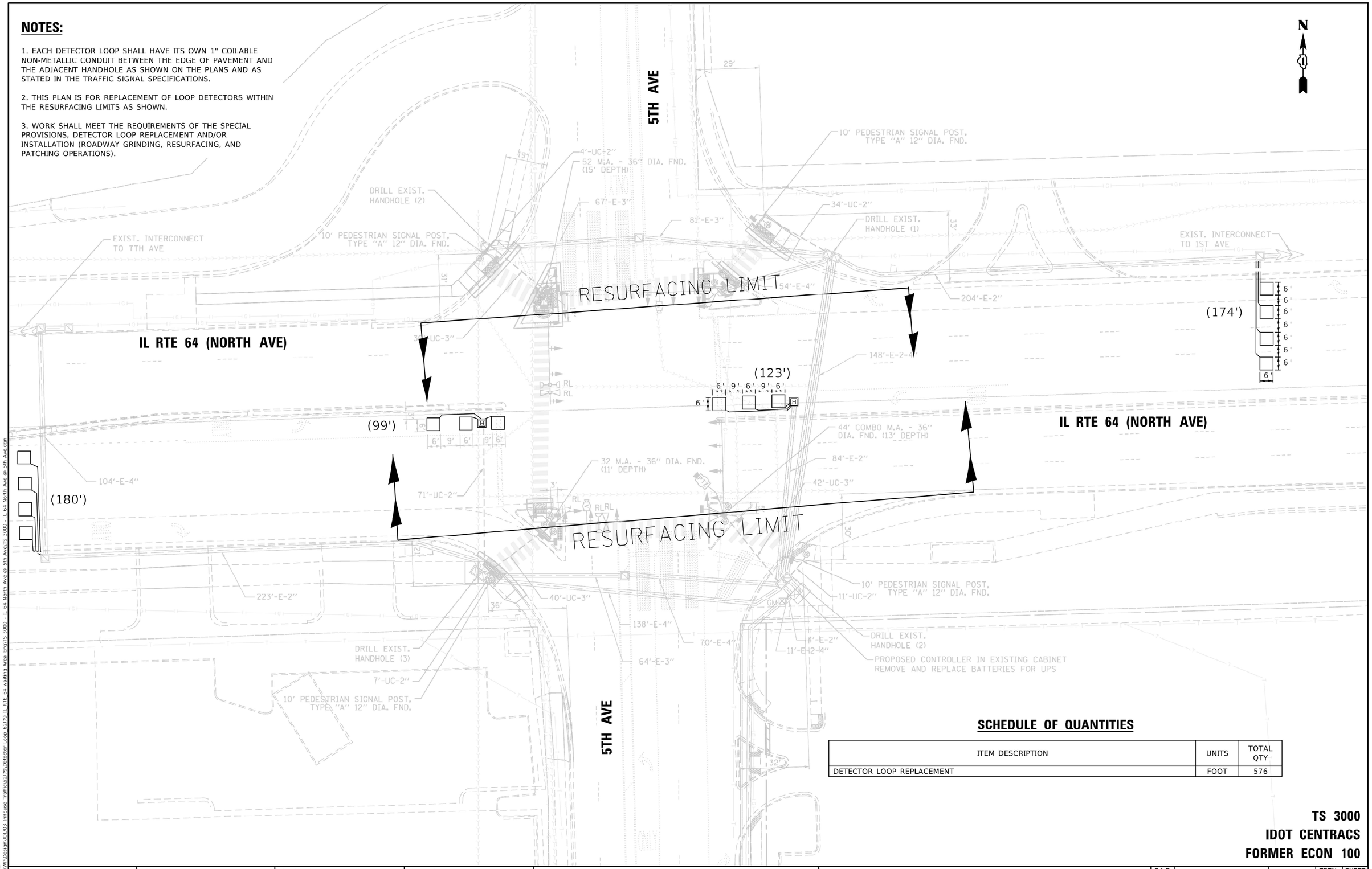
MODEL: Default
FILE NAME: S:\WP\Design\IDL\03 In-House Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area - copy\TS 3005 - L. 64 North Ave @ 7th Ave\TS 3005 - IL 64 North Ave @ 7th Ave.dgn

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	576

TS 3000
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\IDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Eng\TS 3000 - IL 64 North Ave @ 5th Ave\TS 3000 - IL 64 North Ave @ 5th Ave.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -
	DRAWN - J.LARSON	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2024	DATE - 8/6/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL RTE 64 (NORTH AVE) AT 5TH AVE

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

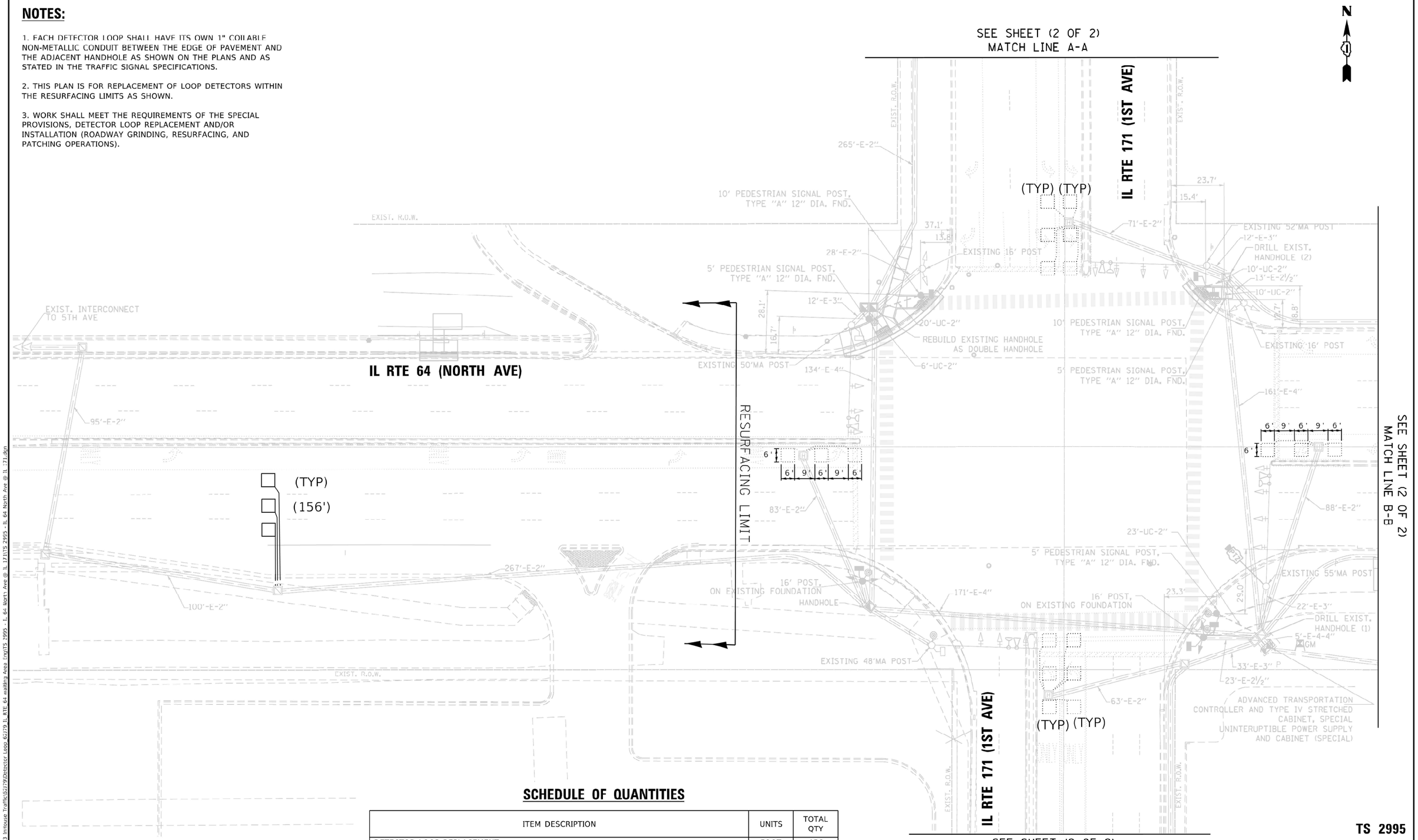
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	66
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	156

TS 2995
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\IDL\03 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Eng\TS 2995 - L 64 Nort Ave @ IL 171\TS 2995 - IL 64 North Ave @ IL 171.dgn

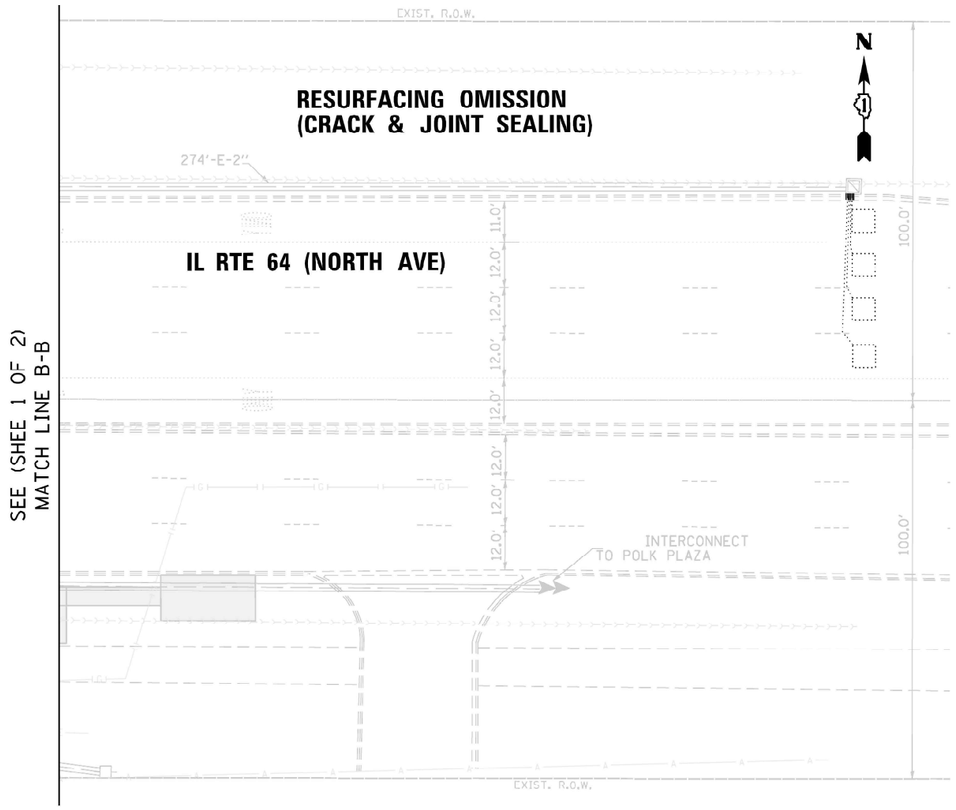
USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/14/2025	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

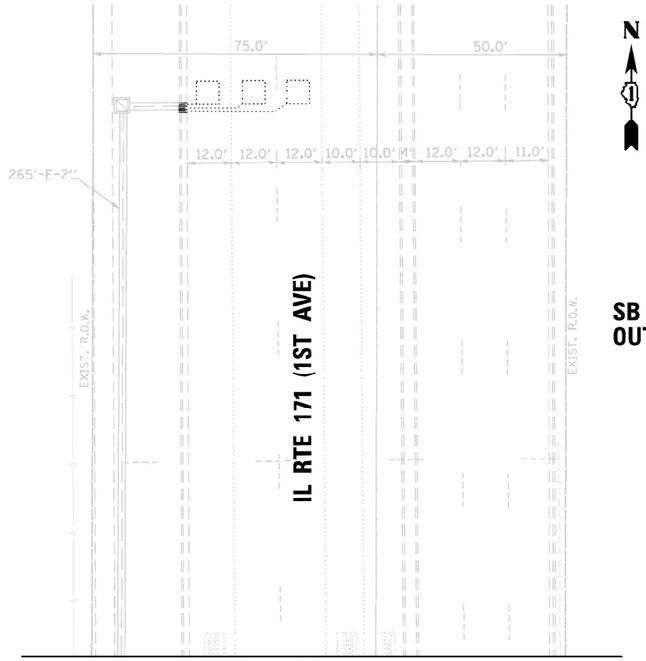
DETECTOR LOOP REPLACEMENT PLAN (SHEET 1 OF 2)
IL RTE 64 (NORTH AVE) AT IL RTE 171 (N 1ST AVE)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	67
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



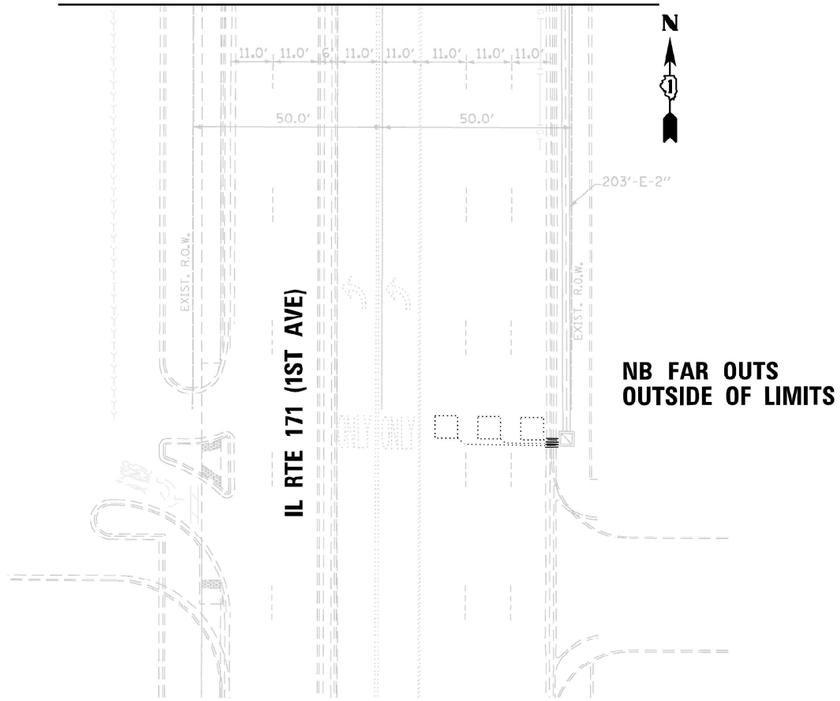
SEE (SHEE 1 OF 2)
MATCH LINE B-B



SB FAR OUTS
OUTSIDE OF LIMITS

SEE SHEET (1 OF 2)
MATCH LINE A-A

SEE SHEET (1 OF 2)
MATCH LINE C-C



NB FAR OUTS
OUTSIDE OF LIMITS

TS 2995
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\DL\03 Inhouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 walding Area Engr\TS 2995 - IL 64 North Ave @ IL 171\TS 2995 - IL 64 North Ave @ IL 171.dgn

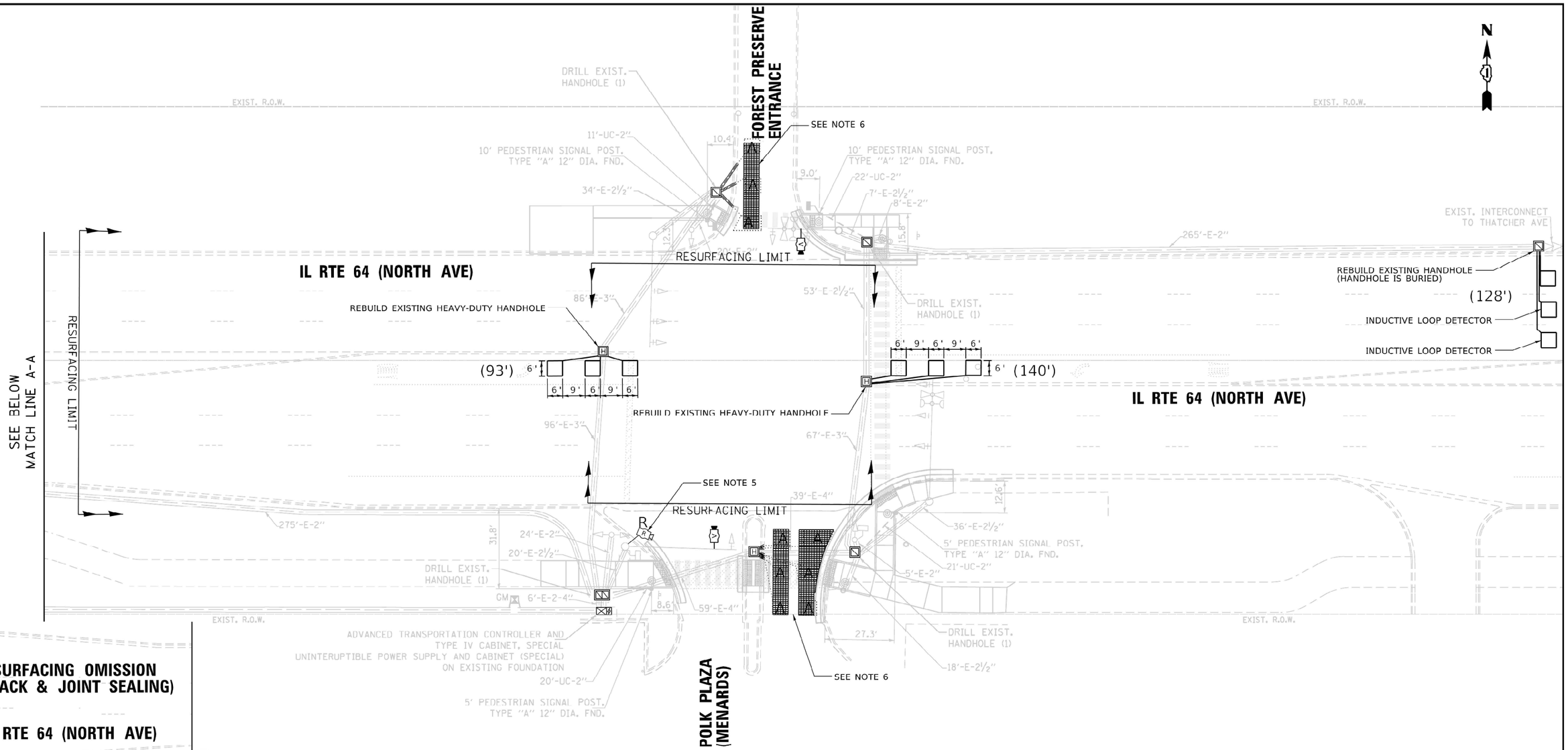
USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/6/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN (SHEET 2 OF 2)
IL RTE 64 (NORTH AVE) AT IL RTE 171 (N 1ST AVE)

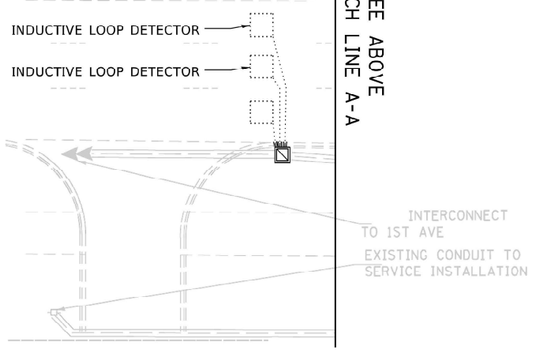
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	68
		CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		



RESURFACING OMISSION (CRACK & JOINT SEALING)

IL RTE 64 (NORTH AVE)



NOTES:

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

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

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

4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

5. THE REMOVAL OF 72 FEET OF RADAR CABLE SHALL BE PAID FOR UNDER 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT

6. EXISTING LOOPS ON FOREST PRESERVE ENTRANCE AND POLK PLAZA MENARD ENTRANCE SHALL BE ABANDONED AND REPLACED WITH VIDEO DETECTION AND LEAD-IN CABLE SHALL BE REMOVED

7. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION ON FALSE CALLS FROM TRAFFIC ADJACENT LANES.

8. PLEASE COORDINATE WITH CONTRACT 62N40 REGARDING MAINTENANCE OF THIS SIGNAL.

-THE RESIDENT ENGINEER FOR 62N40 IS JONATHAN KOHLER JONATHAN.KOHLER@ILLINOIS.GOV

-ANDY SCHUETZE IS THE TRAFFIC SIGNAL AREA ENGINEER FOR THIS SIGNAL. ANDREW.SCHUETZE@ILLINOIS.GOV

REMOVAL AND RELOCATION NOTES:

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

1	EACH	RADAR DETECTOR
1	EACH	RADAR AMPLIFIER

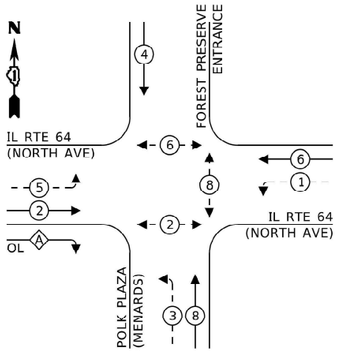
TS 11965
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\UDLO\3 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area engTS 11965 - IL 64 North Ave @ Polk Plaza SC Menards.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 64 (NORTH AVE) POLK PLAZA (MENARDS) – FOREST PRESERVE	
	DRAWN - J.LARSON	REVISED -			
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	
PLOT DATE = 9/16/2024	DATE - 8/6/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	69
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

EXISTING CONTROLLER SEQUENCE



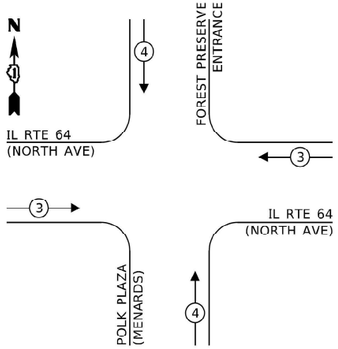
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:

1. CABLE PLAN MADE WITH EXPECTATION THAT THE TRAFFIC SIGNAL WORK ON 62N40 WILL BE COMPLETED BEFORE 62J79 BEGINS

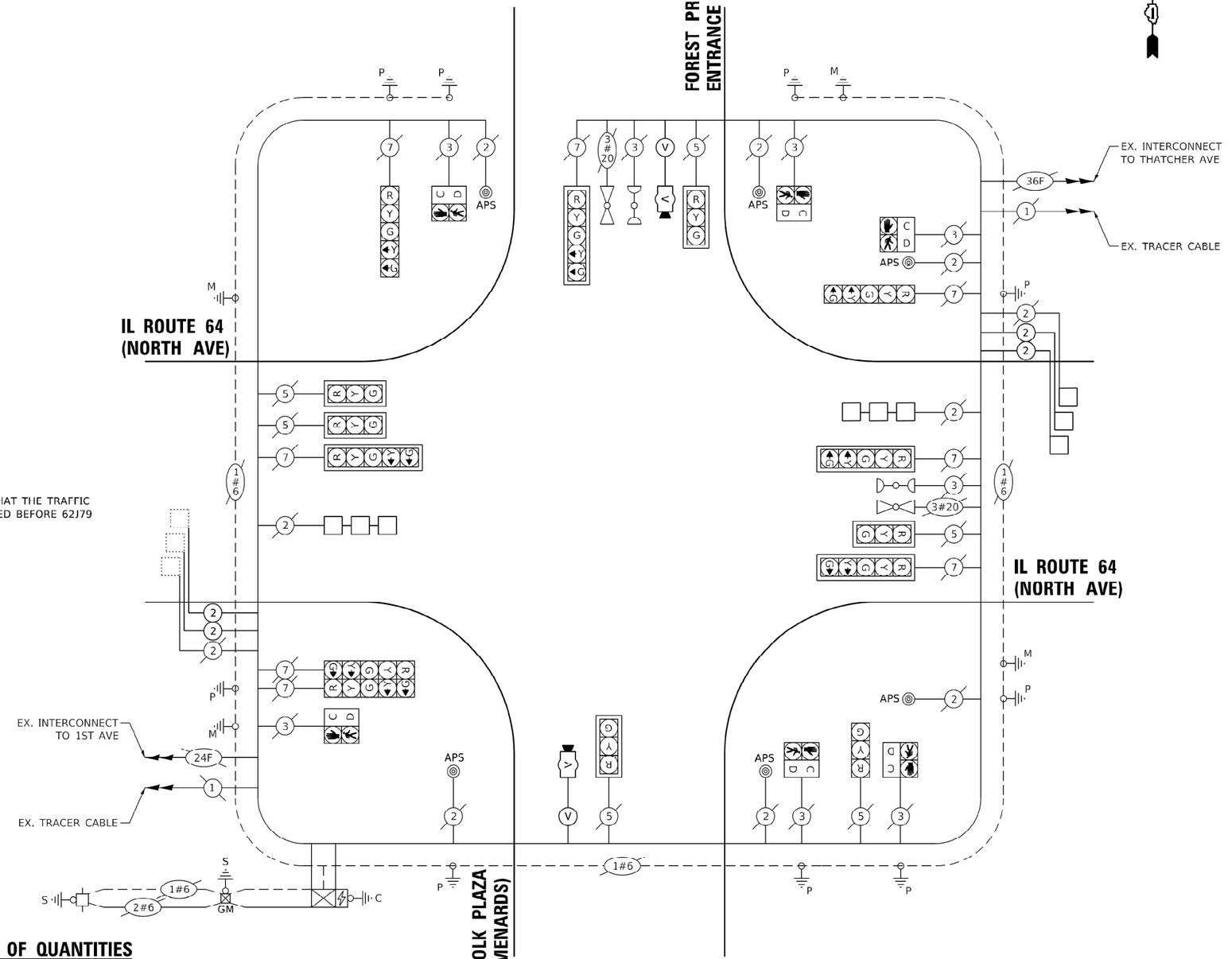
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	2	150	100	300.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	727.6

ENERGY COSTS TO:

VILLAGE OF MELROSE PARK
1000 N. 25TH AVENUE
MELROSE PARK, IL 60160

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1642
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	361
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	476
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	2

TS 11965
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WPkDesign\01\903 Intouse Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area EqnTS 11965 - IL 64 North Ave @ Polk Plaza SC Menards.dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/13/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

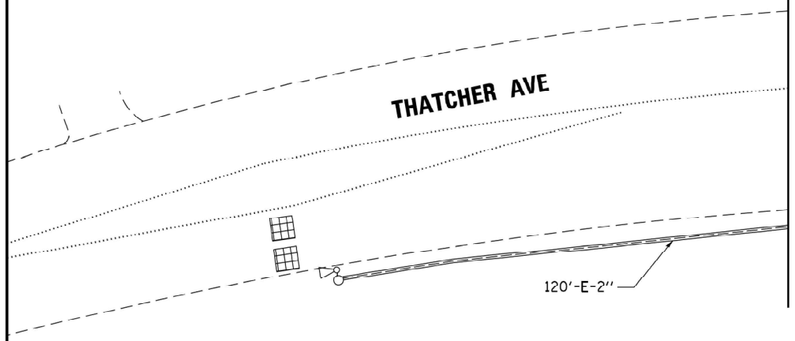
CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) POLK PLAZA (MENARDS) – FOREST PRESERVE

SCALE: SHEET OF SHEETS STA. TO STA.

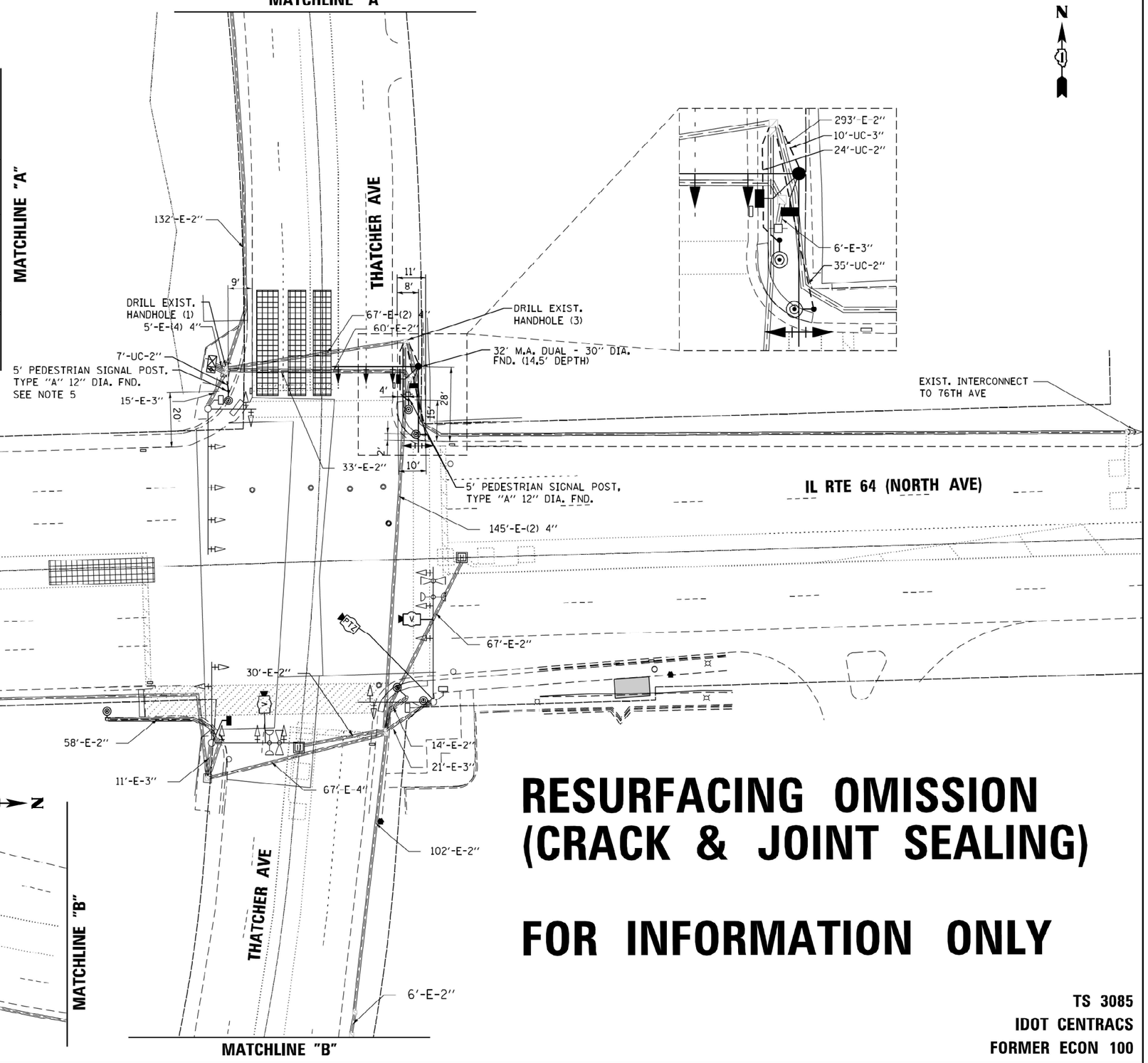
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	70
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

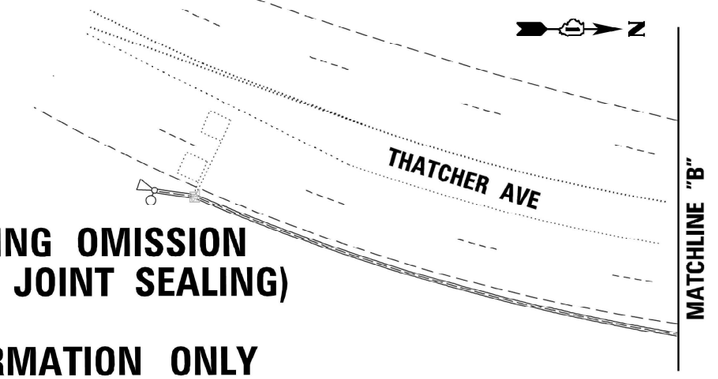
RESURFACING OMISSION (CRACK & JOINT SEALING)

FOR INFORMATION ONLY



MATCHLINE "A"





RESURFACING OMISSION (CRACK & JOINT SEALING)

FOR INFORMATION ONLY

RESURFACING OMISSION (CRACK & JOINT SEALING)

FOR INFORMATION ONLY

TS 3085
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
FILE NAME: S:\WP\Design\DL03 In-house Traffic\62J79\Detector Loop 62J79 IL RTE 64 waiting Area Imp\TS 3085 - IL 64 North Ave @ Thatcher Ave\IL 64 at thatcher .dgn

USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/16/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
IL RTE 64 (NORTH AVE) AT THATCHER AVE

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

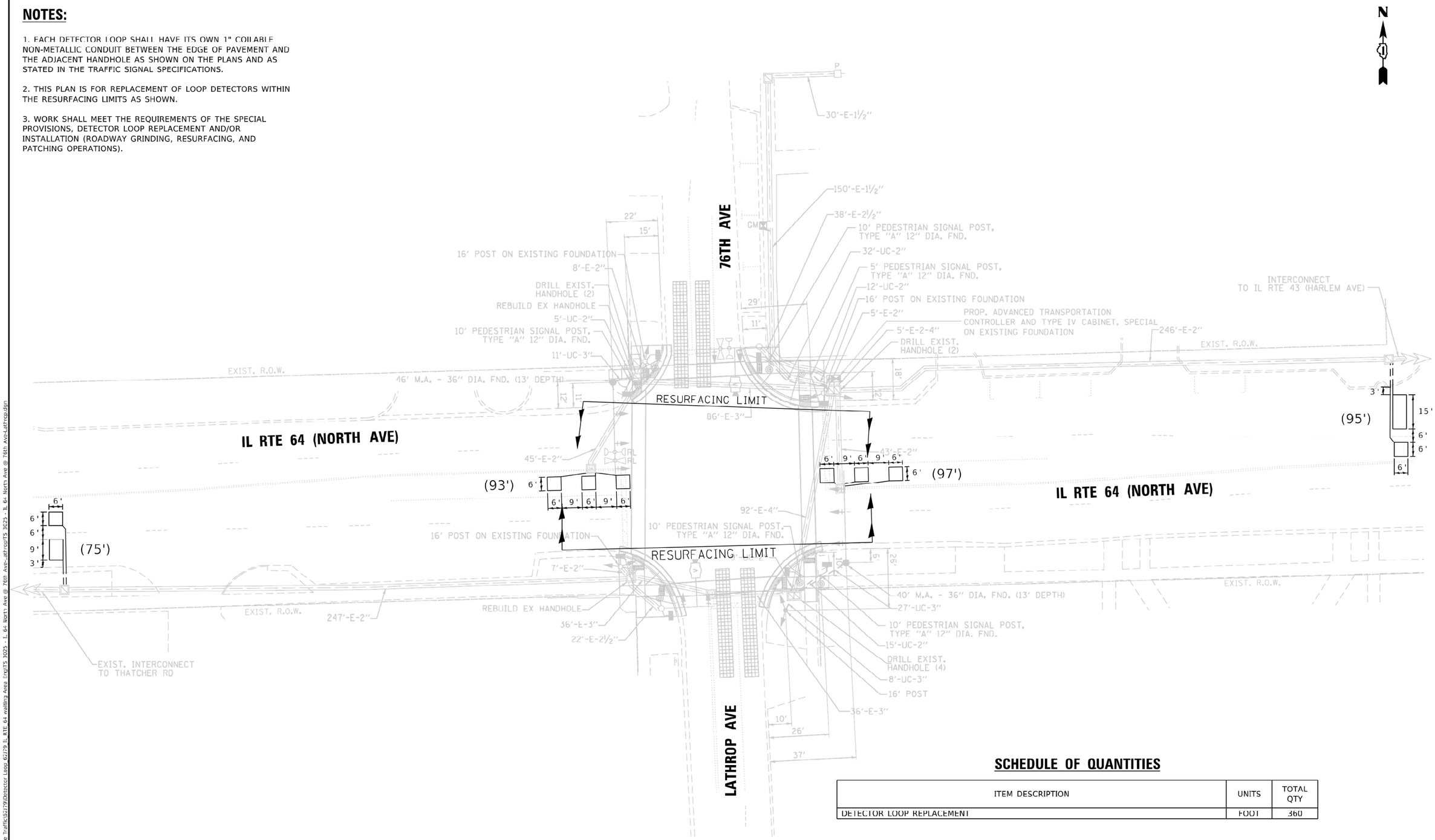
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	71
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

NOTES:

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

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

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	360

TS 3025
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
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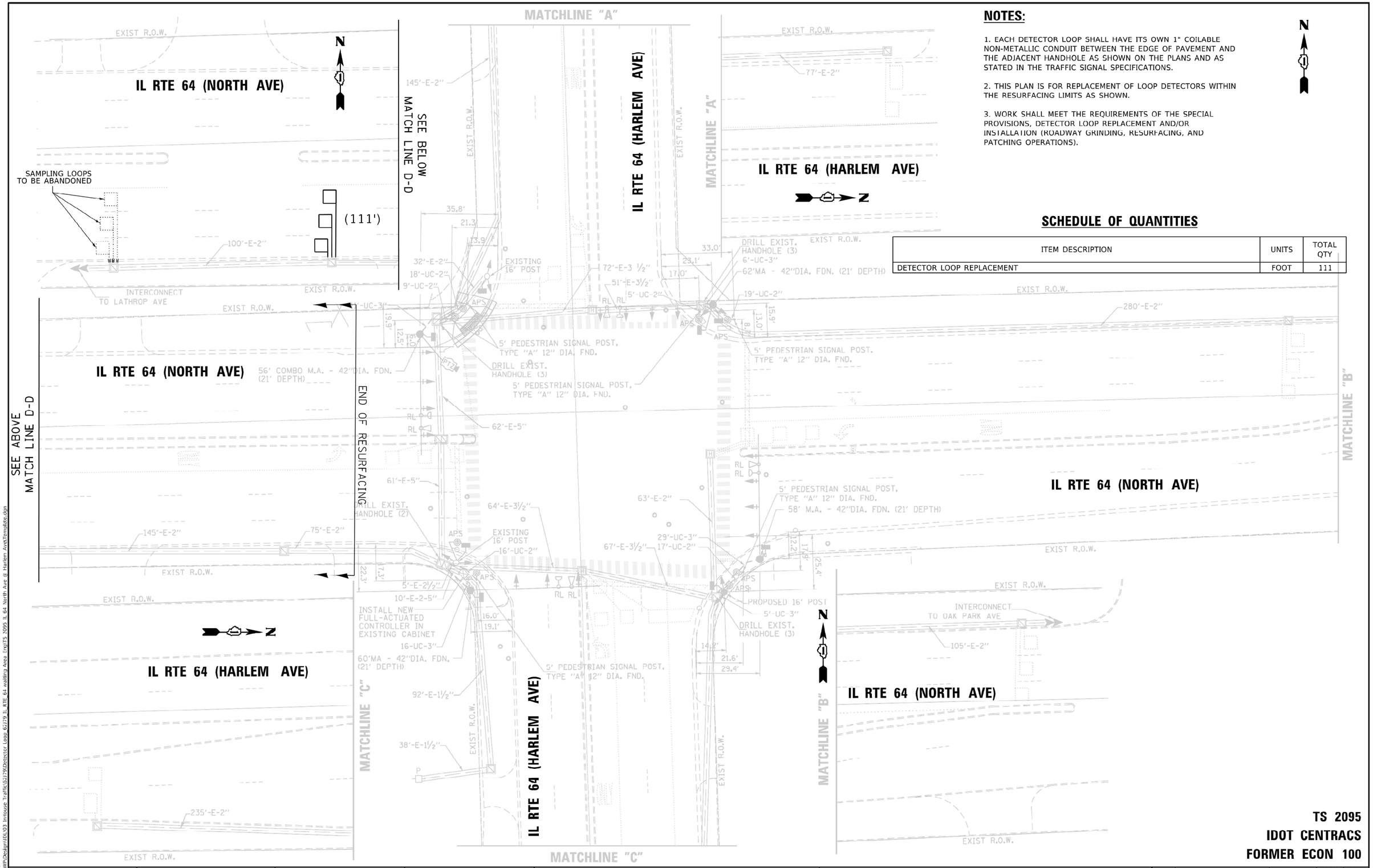
USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/19/2024	DATE - 8/6/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 64 (NORTH AVE) AT 76TH AVE – LATHROP

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	72
		CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		



NOTES:

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

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

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	111

TS 2095
IDOT CENTRACS
FORMER ECON 100

MODEL: Default
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USER NAME = Jakob.Larson	DESIGNED - J.LARSON	REVISED -
	DRAWN - J.LARSON	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/17/2024	DATE - 8/6/2024	REVISED -

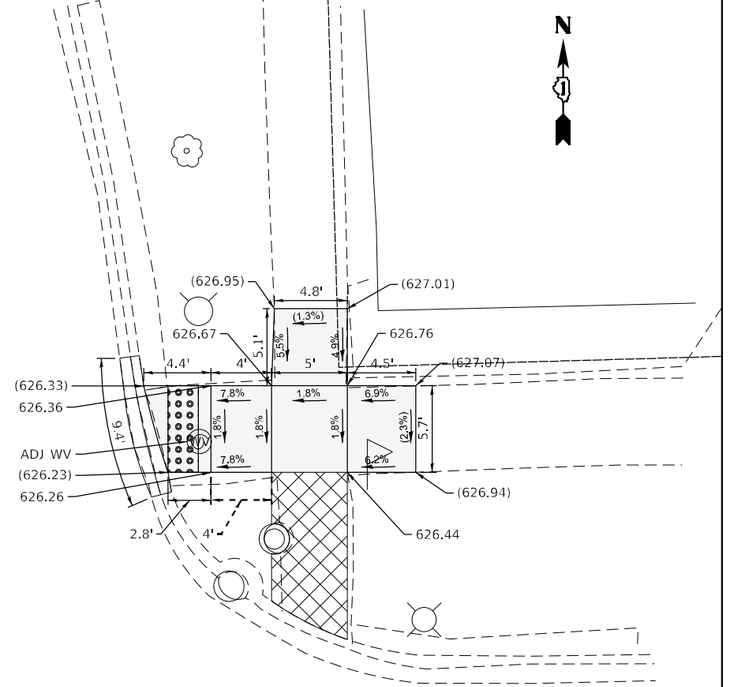
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL RTE 64 (NORTH AVE) AT IL RTE 43 (HARLEM AVE)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	73
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

79TH AVE.



ILL. RTE. 64

REFERENCE BENCHMARK ELEV 628.35

BENCHMARK : EAST BOLT OF FIRE HYDRANT

LOCATION : NORTH EAST CORNER OF IL 64 AND 79TH AVENUE

LEGEND

- XX.XX' — EXISTING LENGTH
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEV 628.35

BENCHMARK : EAST BOLT OF FIRE HYDRANT

LOCATION : NORTH EAST CORNER OF IL 64 AND 79TH AVENUE

USER NAME = nicholas.babul	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/31/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL 64 (NORTH AVE.) AT 79TH AVE.

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	74
		CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

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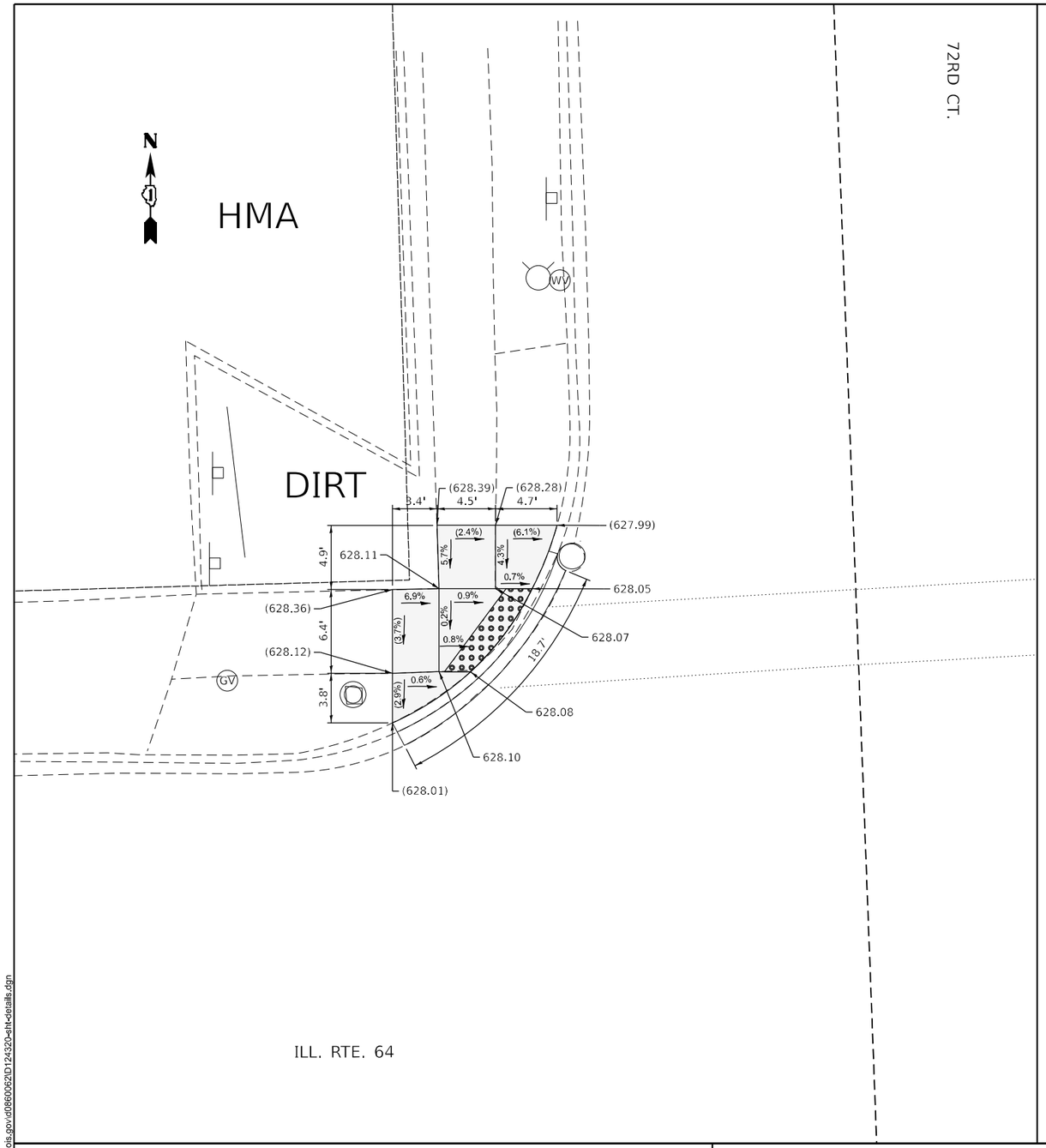


REFERENCE BENCHMARK ELEV 629.83

BENCHMARK : ARROW BOLT ON FIRE HYDRANT

LOCATION : SOUTH WEST CORNER OF IL 64 AND BONNIEBARE STREET

LEGEND

- xx.xx' — EXISTING LENGTH
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEV 629.83

BENCHMARK : ARROW BOLT ON FIRE HYDRANT

LOCATION : SOUTH WEST CORNER OF IL 64 AND BONNIEBARE STREET

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 1/31/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL 64 (NORTH AVE.) AT 72ND CT.

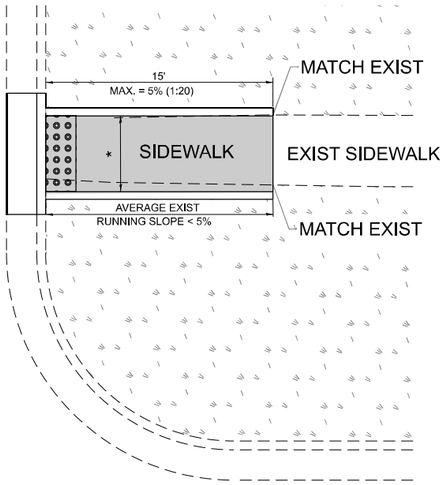
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	75
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		

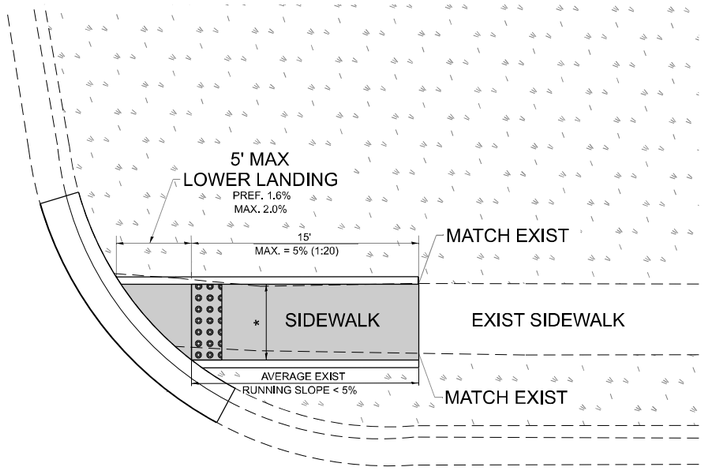
MODEL: ADA 16 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D124320-sht-details.dgn

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

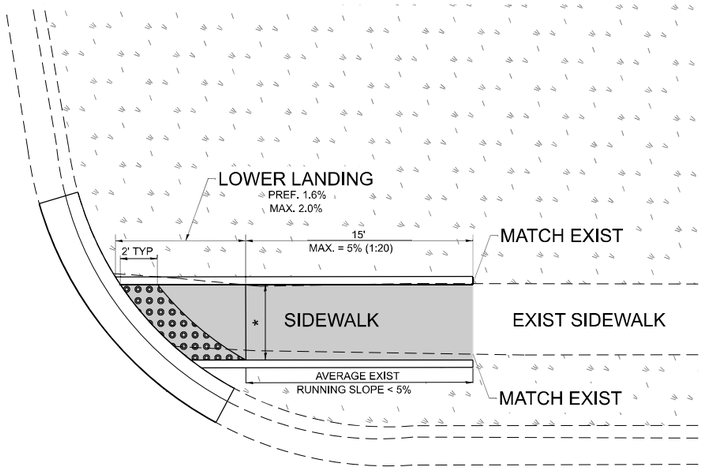
PD-01A



PD-01B



PD-01C



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

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

* MATCH EXISTING SIDEWALK WIDTH

MODEL: PD-01 [Sheet]
FILE NAME: c:\pw_work\pwdot\nicholas.babul@illinois.gov\d0860062\D124320-sht-DistStds.dgn

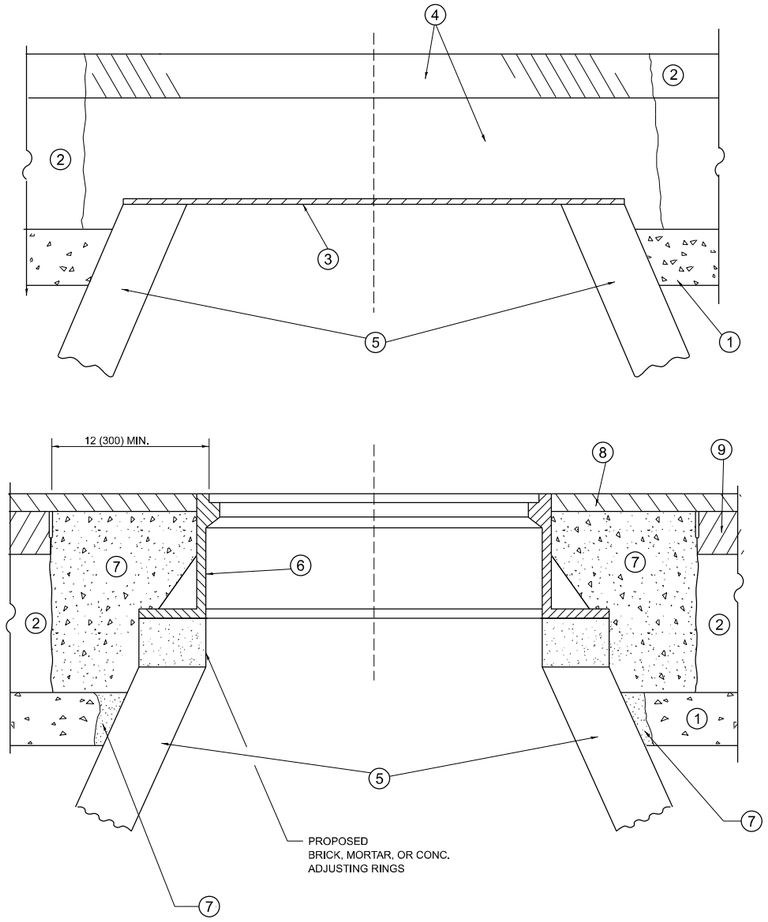
USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2025	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	76
	PD-01	CONTRACT NO. 62J79		
	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

MODEL: BD-08 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D124320-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	
	DRAWN -	REVISED - R. BORO 12-06-11	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22	
PLOT DATE = 1/31/2025	DATE - 10-25-94	REVISED - K. SMITH 09-15-23	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	77
	BD600-03 (BD-08)	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

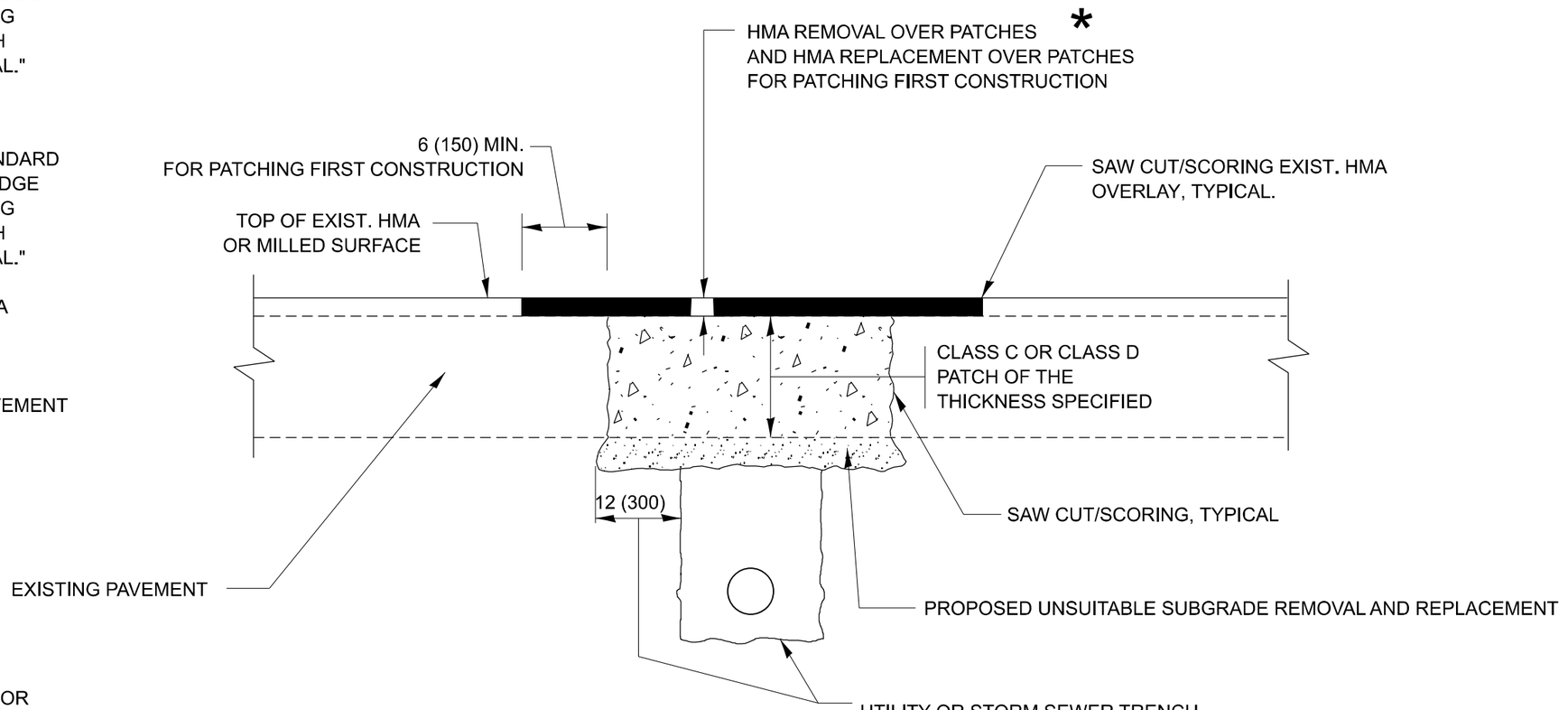
METHOD OF MEASUREMENT

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.

MODEL: BD-22 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D1124320-sht-DistStds.dgn

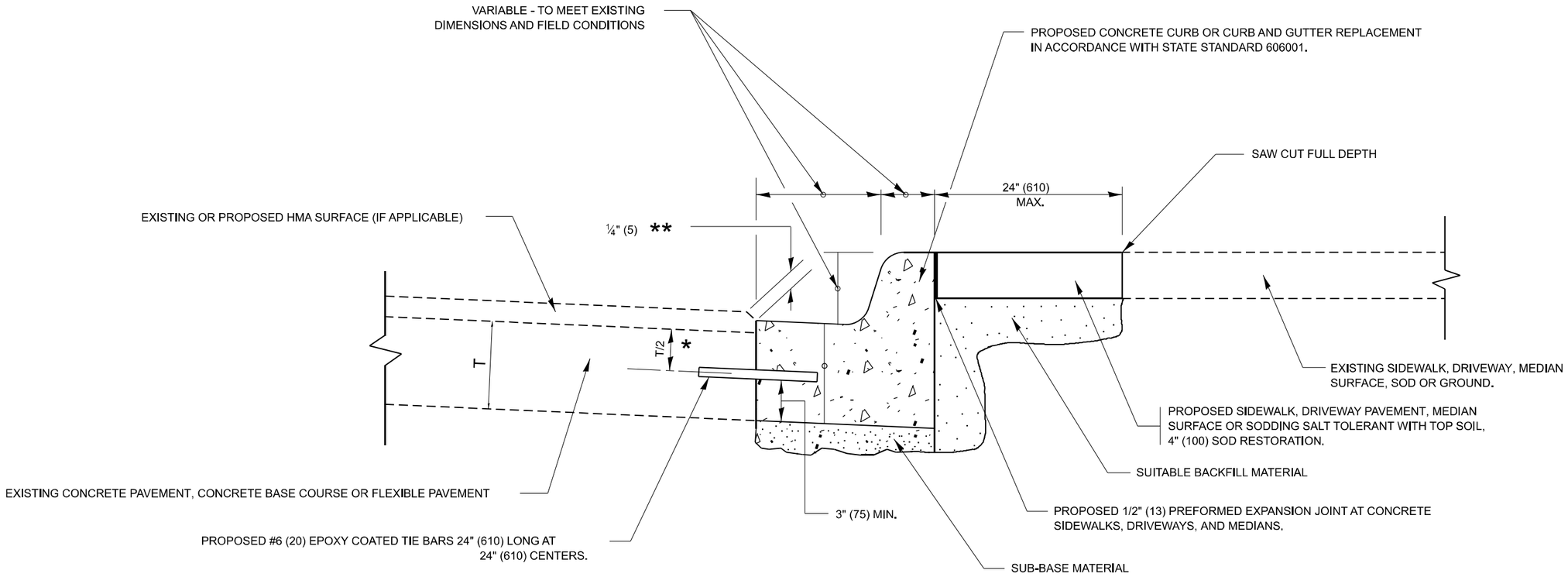
USER NAME = nicholas.babul	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	
	DRAWN -	REVISED - R. BORO 09-04-07	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08	
PLOT DATE = 1/31/2025	DATE - 10-25-94	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	78
	BD400-04 (BD-22)	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

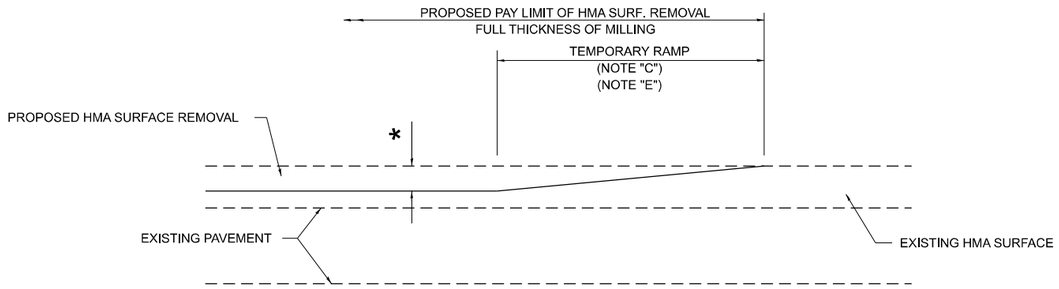
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: BD-24 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860952\D1724320-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - M. GOMEZ 01-22-01	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 1/31/2025	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

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

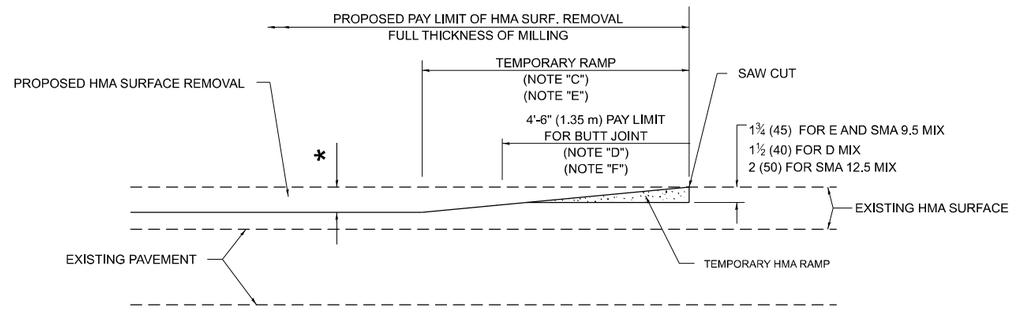
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	79
BD600-06 (BD-24)		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

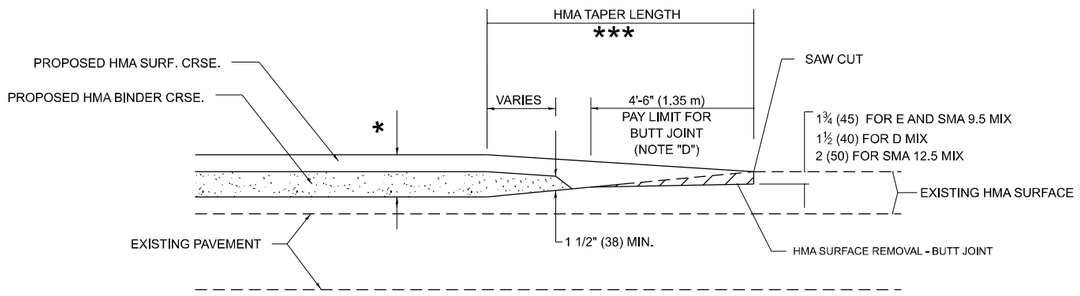


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

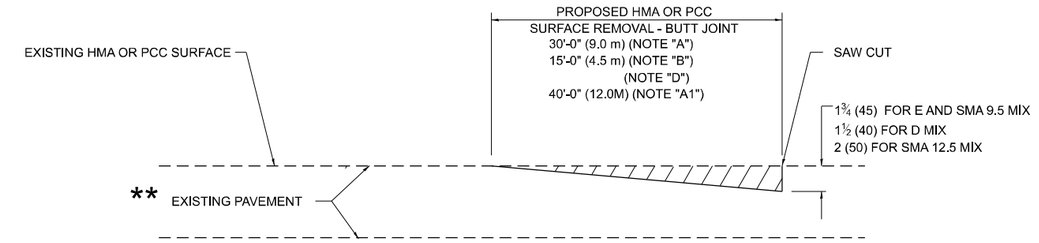
OPTION 2

TYPICAL TEMPORARY RAMP

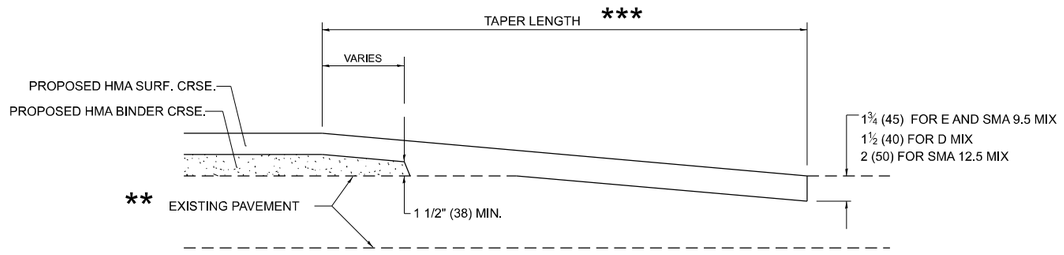


BUTT JOINT AND HMA TAPER

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 = nicholas.babul	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS	
	DRAWN -	REVISED - M. GOMEZ 04-06-01			
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07			
PLOT DATE = 1/31/2025	DATE - 06-13-90	REVISED - K. SMITH 11-18-22		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. / TO STA.	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	80
	BD400-05 BD-32	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

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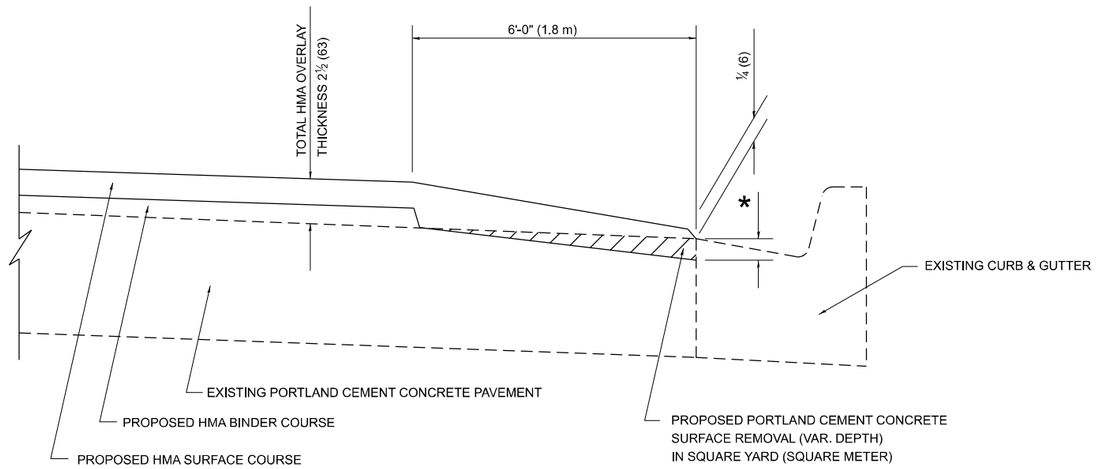

HMA TAPER AT EDGE OF PCC PAVEMENT

HMA SURFACE COURSE		HMA BINDER COURSE	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
D	1½ (38)	1 (25)	1¼ (33)
E OR SMA 9.5	1¾ (44)	¾ (19)	1½ (38)

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

MODEL: BD-33 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D1124320-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**HMA TAPER AT EDGE OF P.C.C. PAVEMENT**	
	DRAWN - JIS	REVISED - JP CHANG 07-08-16			
PLOT SCALE = 0.16666633 ' / in.	CHECKED - A. ABBAS	REVISED - K. SMITH 02-01-22			
PLOT DATE = 1/31/2025	DATE - 09-10-94	REVISED - K. SMITH 11-18-22		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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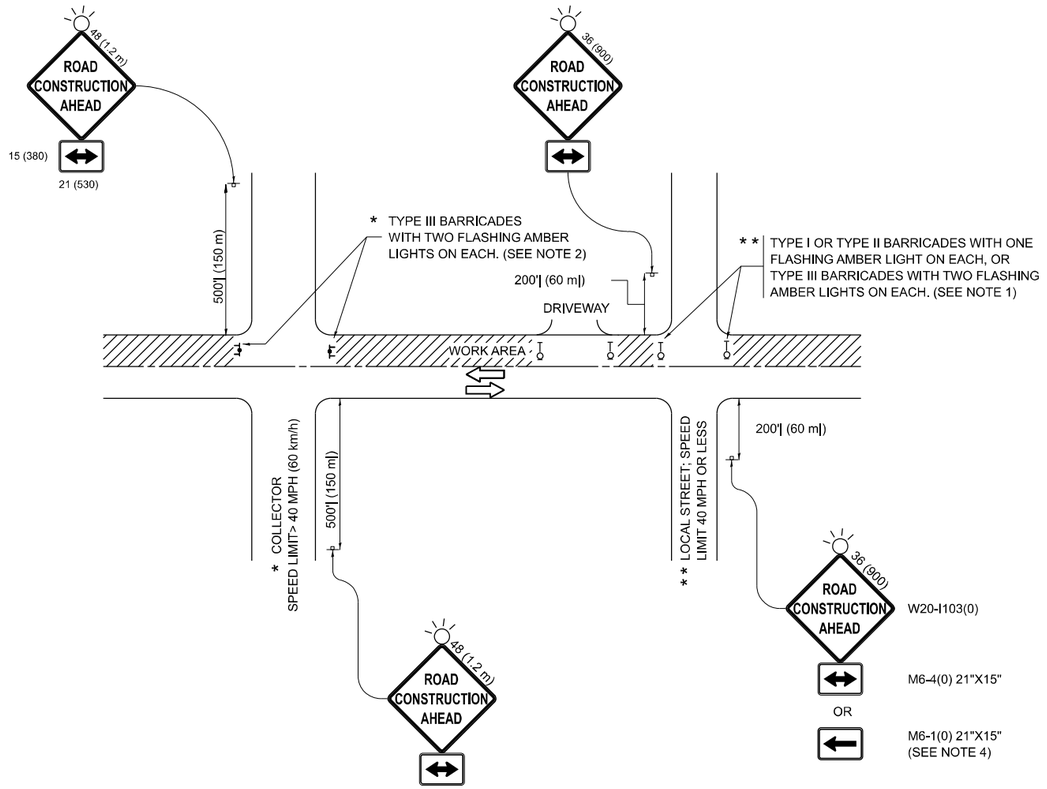
BD400-06	**BD-33**	CONTRACT NO. 62J79		
	ILLINOIS | FED. AID PROJECT			



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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FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860952\D1724320-sht-DistStds.dgn

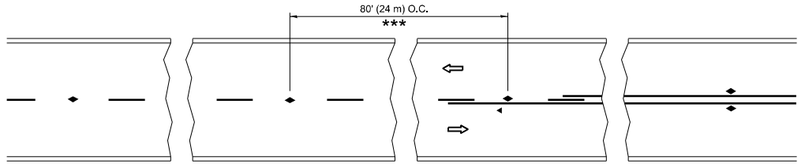
USER NAME = nicholas.babul	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06	
PLOT DATE = 1/31/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

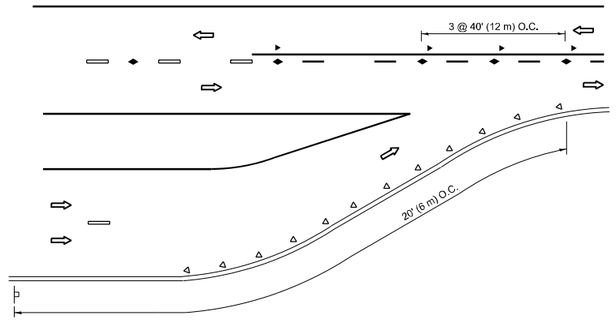
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	82
	TC-10	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



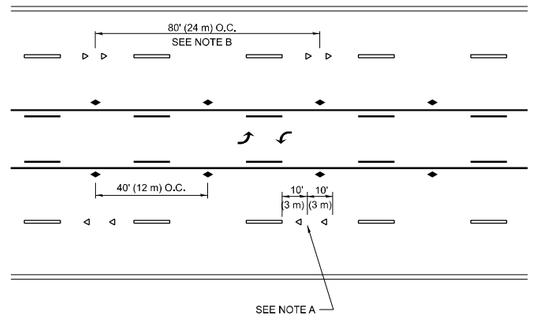
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

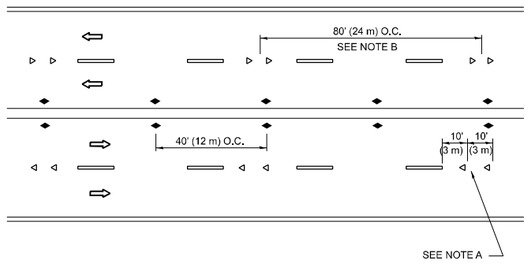
SEE FIGURE 3B-14 MUTCD



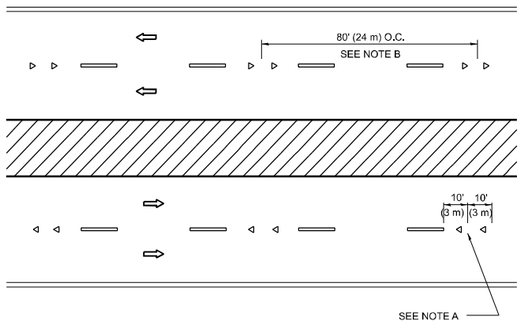
LANE REDUCTION TRANSITION



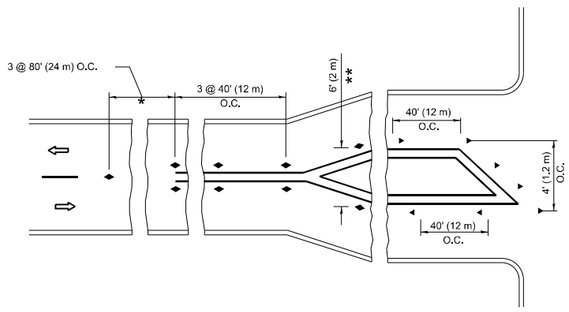
TWO-WAY LEFT TURN

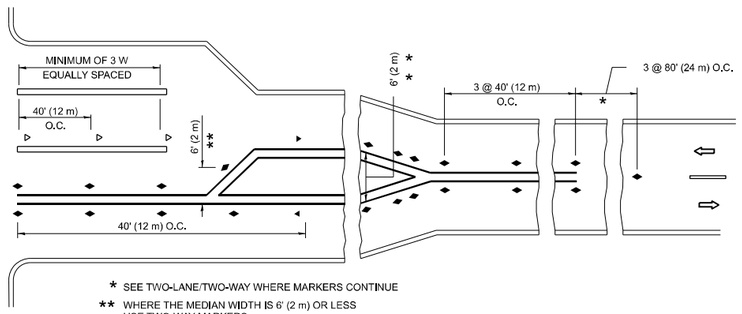


MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED





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

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

TURN LANES

GENERAL NOTES

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

SYMBOLS

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

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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

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

MODEL: TC-11 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D124320-tIH-DistStds.dgn

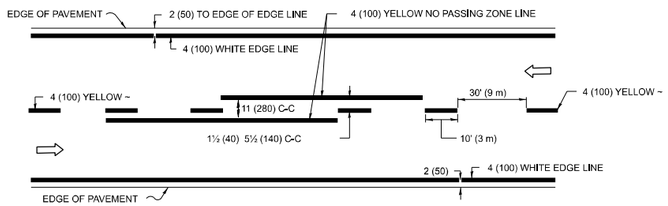
USER NAME = nicholas.babul	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 1/31/2025	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

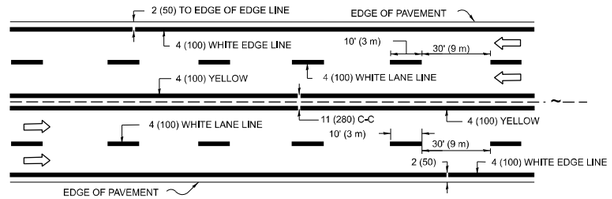
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

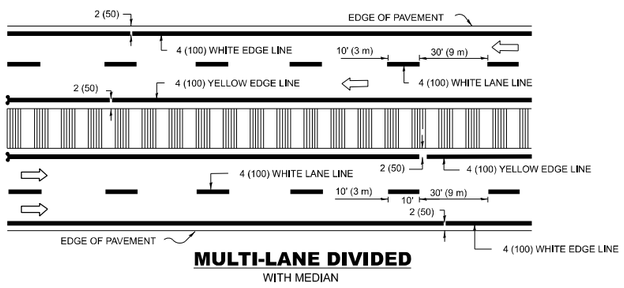
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	83
	TC-11	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



2-LANE ROADWAY

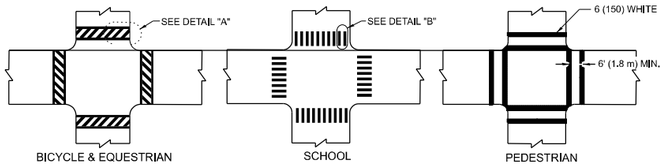


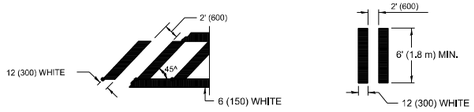
MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

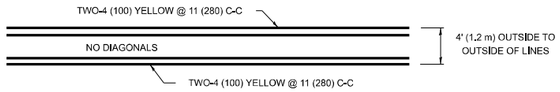




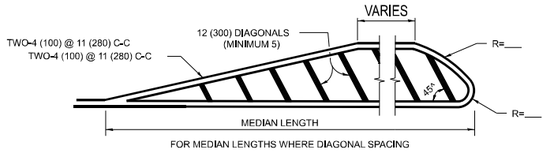
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



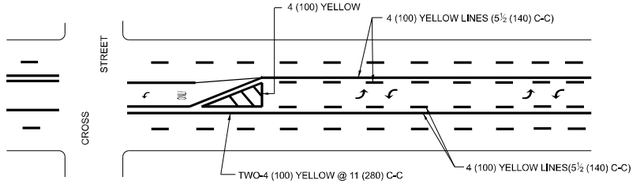
4' (1.2 m) WIDE MEDIANS ONLY



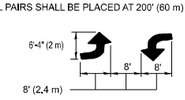
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

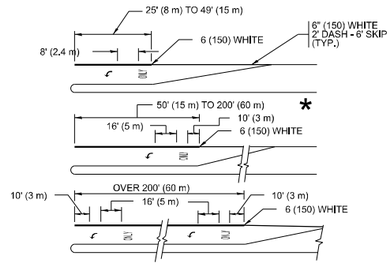


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

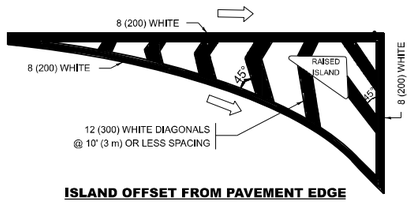


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
AREA = 15,6 SQ. FT. (1,5 m²) ONLY AREA = 20,8 SQ. FT. (1,9 m²)

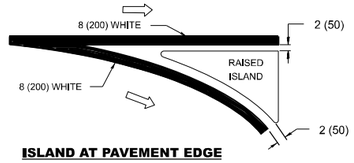
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

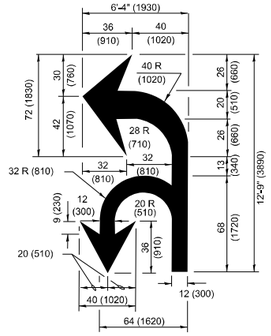


ISLAND OFFSET FROM PAVEMENT EDGE

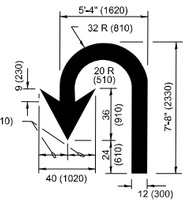


ISLAND AT PAVEMENT EDGE

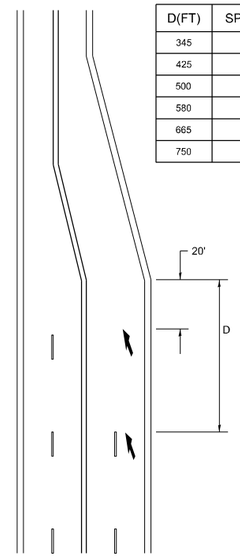
TYPICAL ISLAND MARKING



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.

MODEL: TC-13 [Sheet]
FILE NAME: c:\pw_work\pwdot\nicholas.babul@illinois.gov\d0860062\D1124320-tlnt-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 1/31/2025	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	84
	TC-13	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

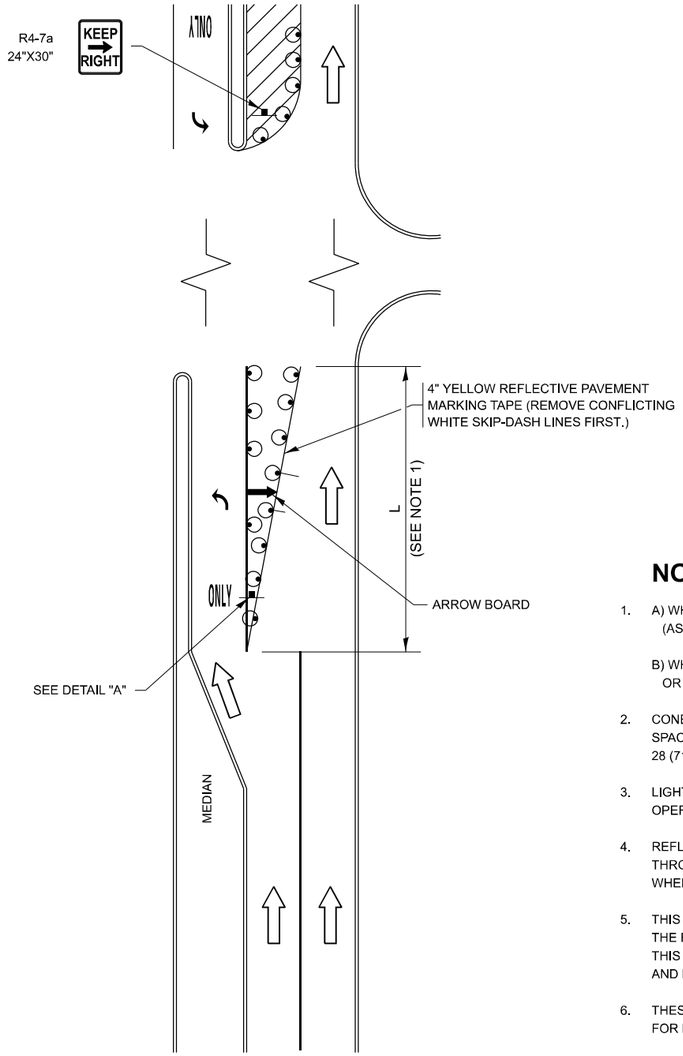


FIGURE 1

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

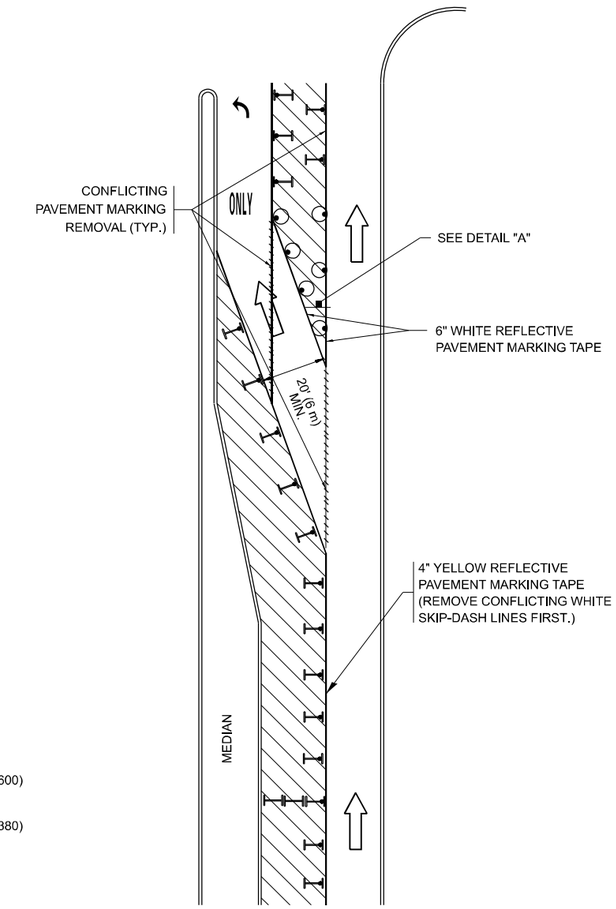
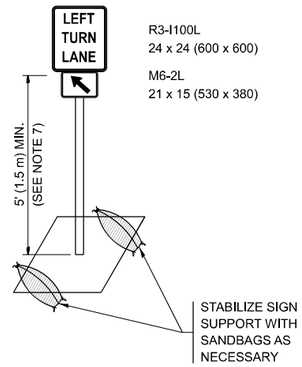


FIGURE 2



DETAIL A

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

MODEL: TC-14 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D1243203-sht-DistStds.dgn

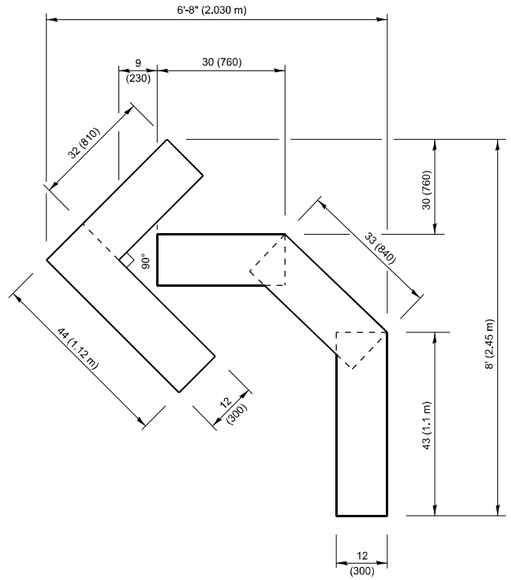
USER NAME = nicholas.babul	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 1/31/2025	DATE - T. RAMMACHER 01-06-00	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

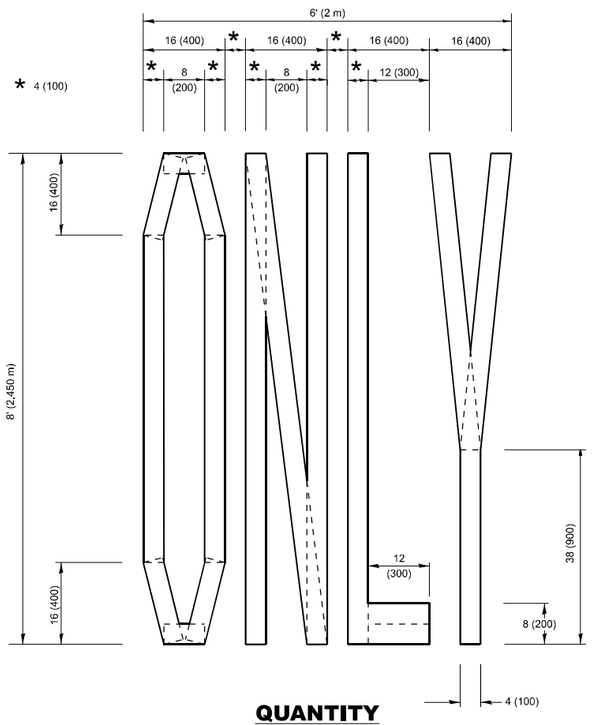
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	85
	TC-14	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			



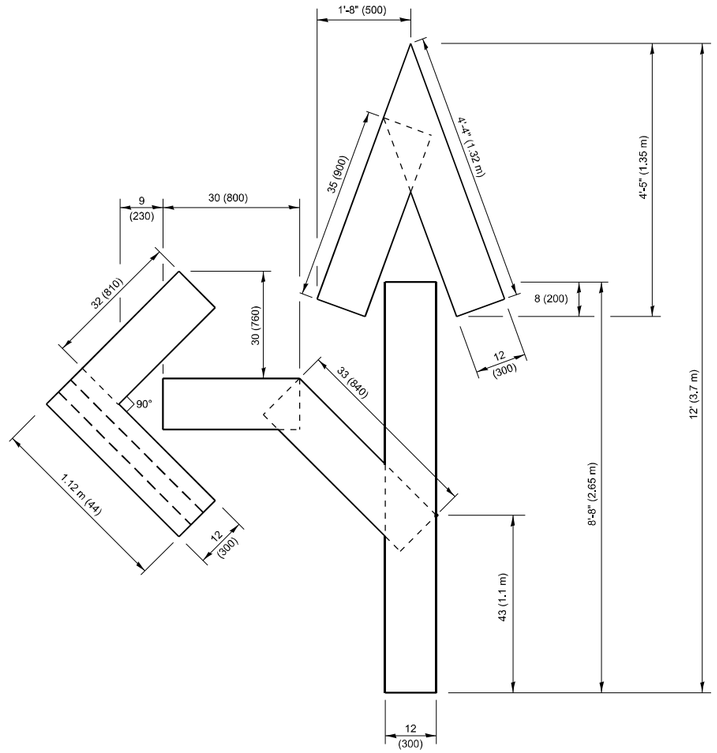
QUANTITY

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)

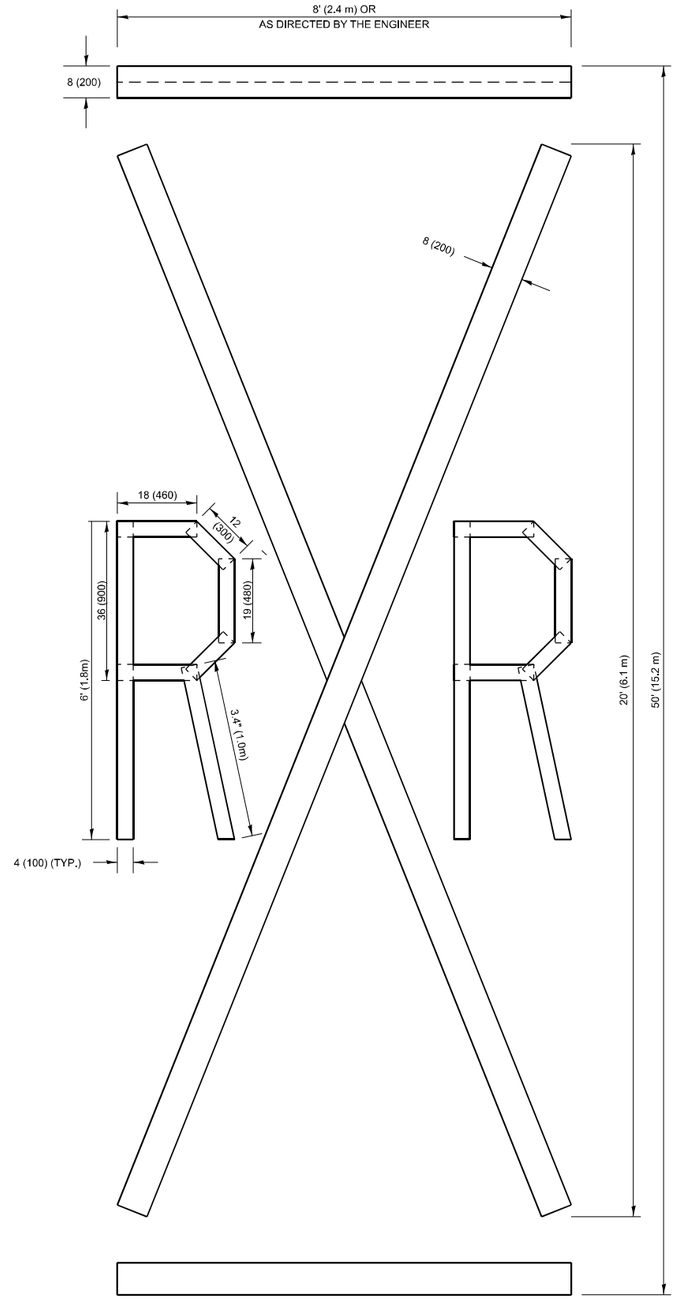


QUANTITY

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.

MODEL: TC-16 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D124320-sht-DistStds.dgn

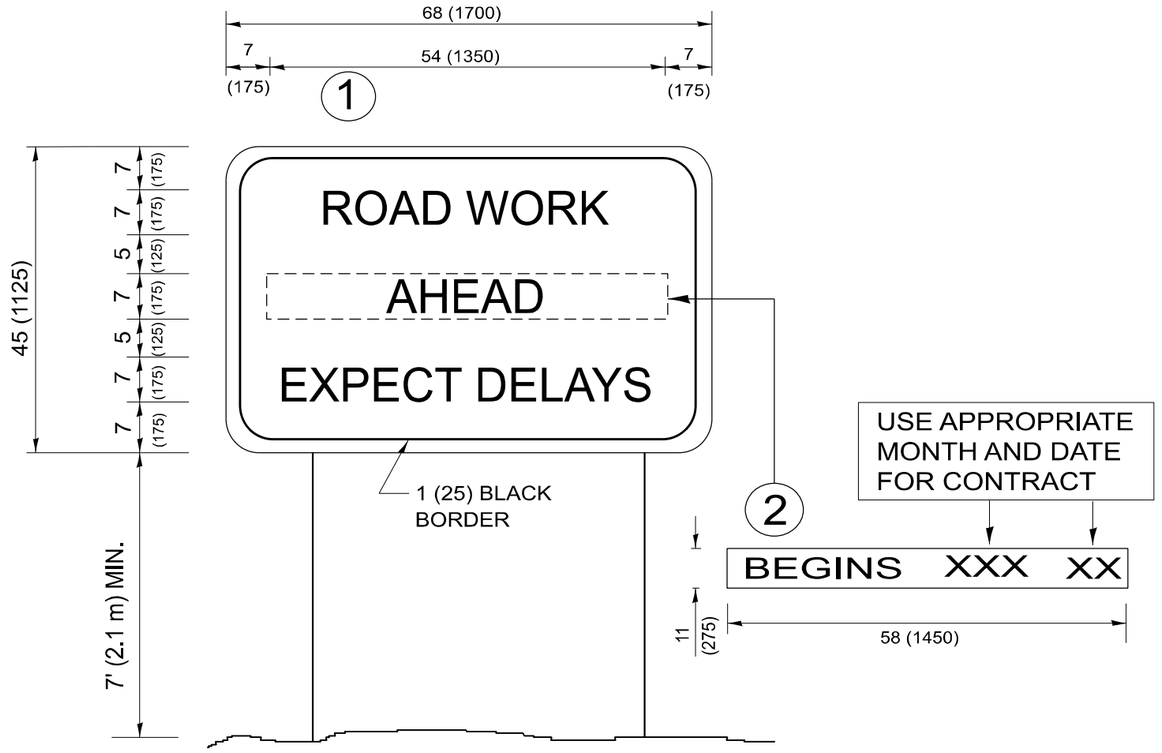
USER NAME = nicholas.babul	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 1/31/2025	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	86
	TC-16	CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL: TC-22 [Sheet]
FILE NAME: c:\dw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D124320-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED	- T. RAMMACHER 02-02-99
PLOT DATE = 1/31/2025	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

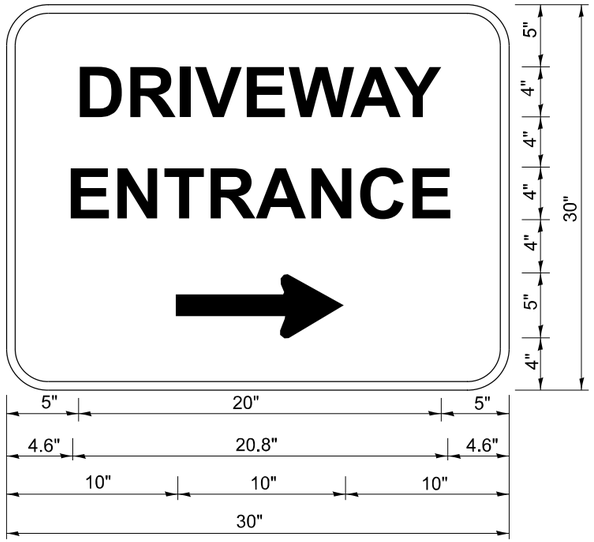
ARTERIAL ROAD INFORMATION SIGN

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	87

TC-22 CONTRACT NO. 62J79

ILLINOIS | FED. AID PROJECT



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

NOTES:

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

MODEL: TC-26 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d0860062\D124320-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -	C. JUCIUS 02-15-07
	DRAWN -	REVISED -	
PLOT SCALE = 0.1666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/31/2025	DATE -	REVISED -	

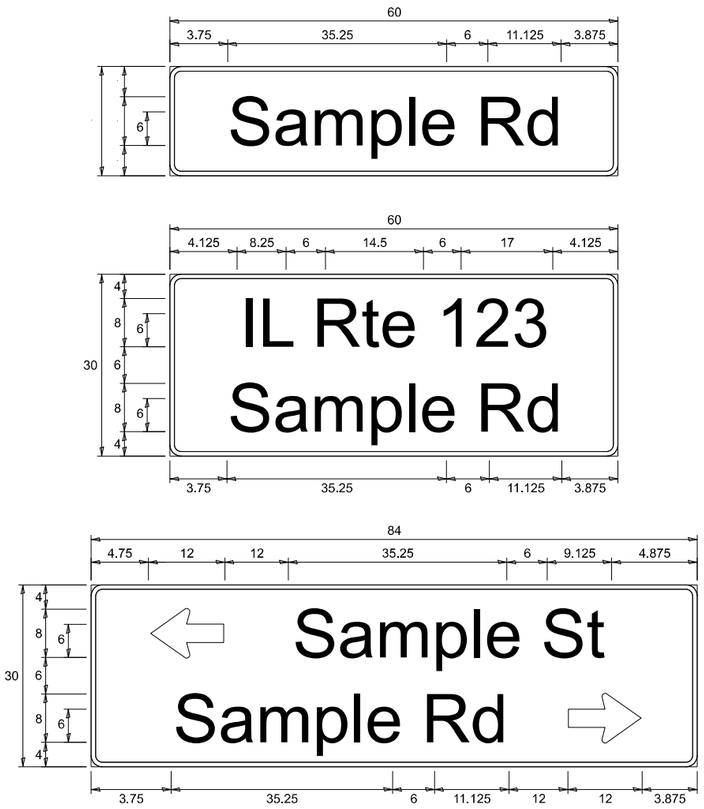
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	88
	TC-26	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

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	-

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 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:

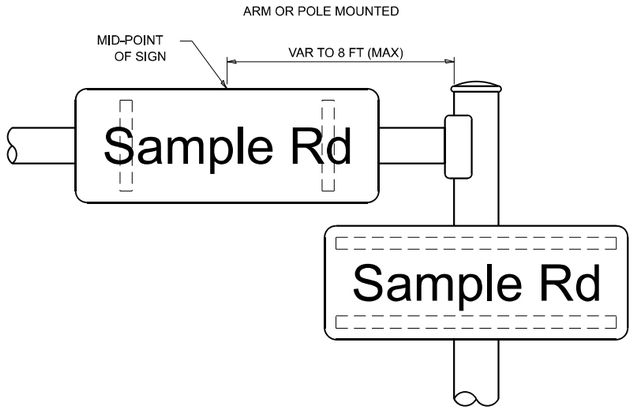
- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

PARTS LISTING:

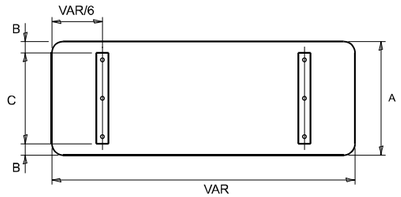
SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

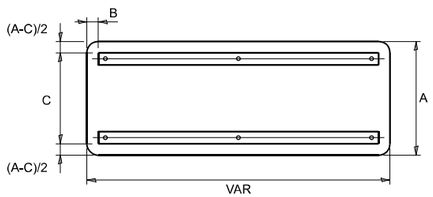
MOUNTING LOCATION



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

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USER NAME = Eric.L.Thomas	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
	DRAWN - LP	REVISED -		
	CHECKED - IP	REVISED -		
PLOT DATE = 8/20/2024	DATE - 10/01/2014	REVISED -		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	88A
	TS-02	CONTRACT NO. 62J79		
		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	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P	P
SAMPLING (SYSTEM) DETECTOR	S	S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS	IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS	QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

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

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USER NAME = Eric.L.Thomas	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
	CHECKED - LP	REVISED -	
PLOT DATE = 8/20/2024	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	88B
	TS-05	CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		

LOOP DETECTOR NOTES

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

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

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

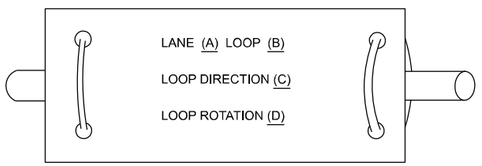
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

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

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

LOOP LEAD-IN CABLE TAG

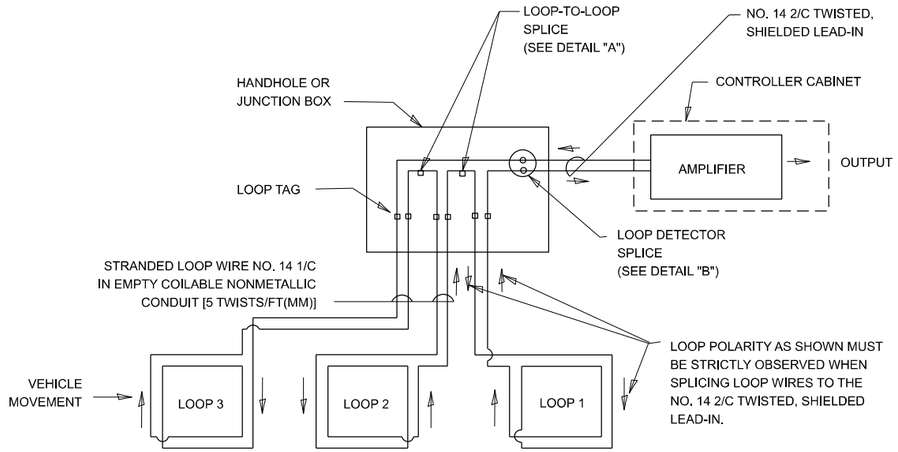


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

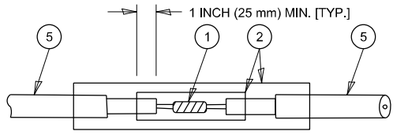
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

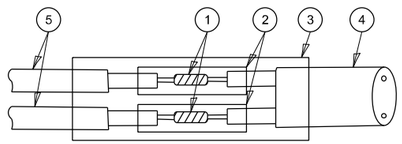


DETECTOR LOOP WIRING SCHEMATIC

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

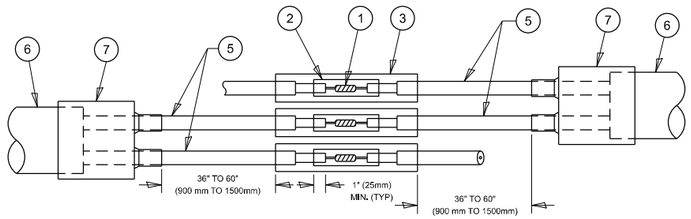


DETAIL "A"
LOOP-TO-LOOP SPLICE



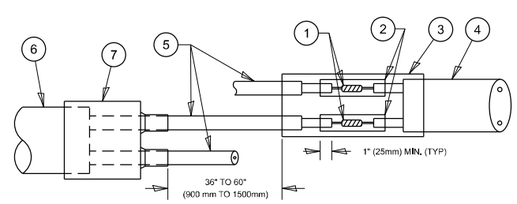
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

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

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

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

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

(6) XL POLYOLEFIN 2 CONDUCTOR

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

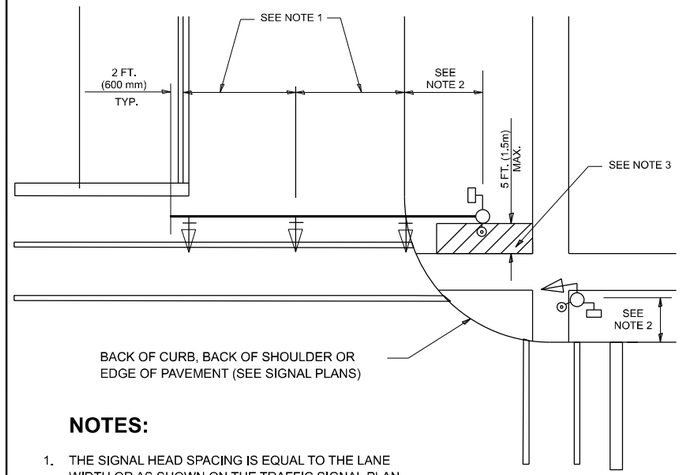
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	88C
	TS-05	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

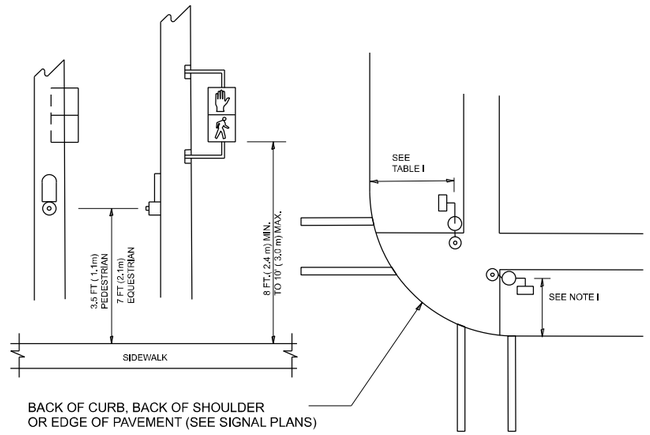
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

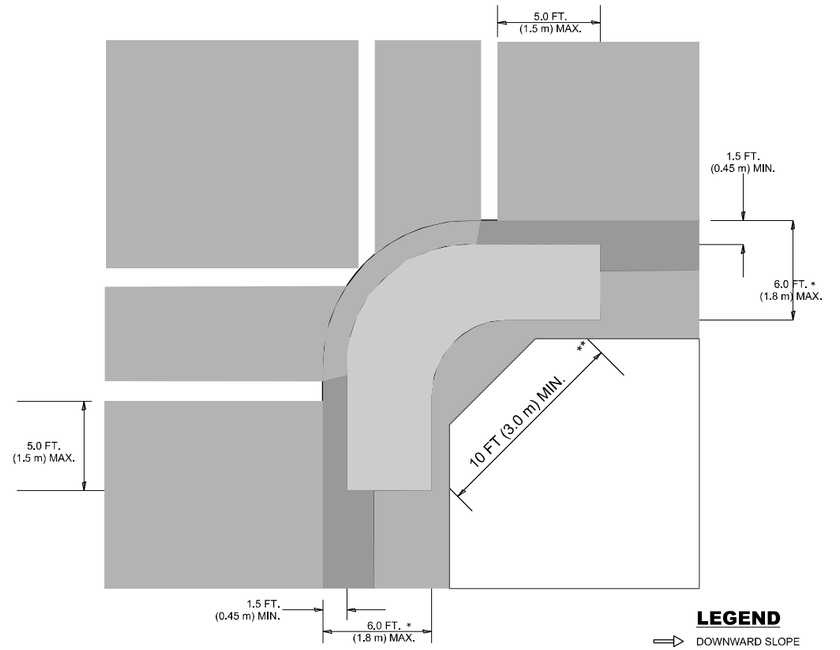
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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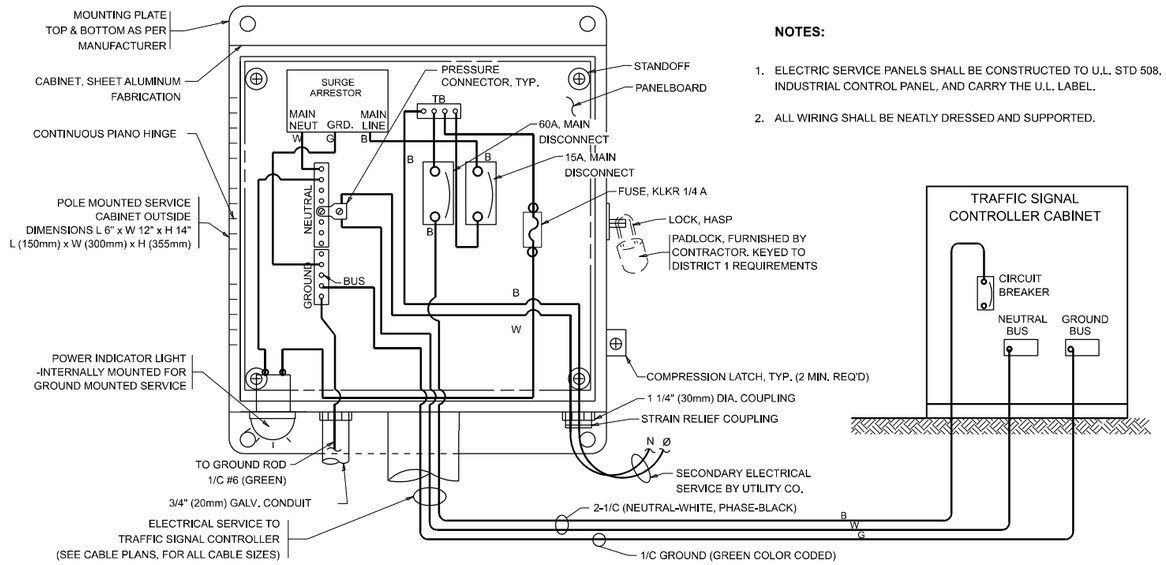
	TS-05	CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	

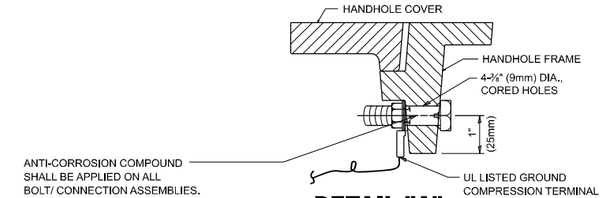


NOTES:

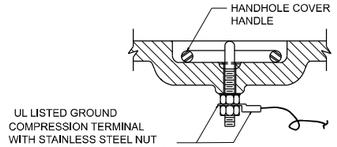
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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

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



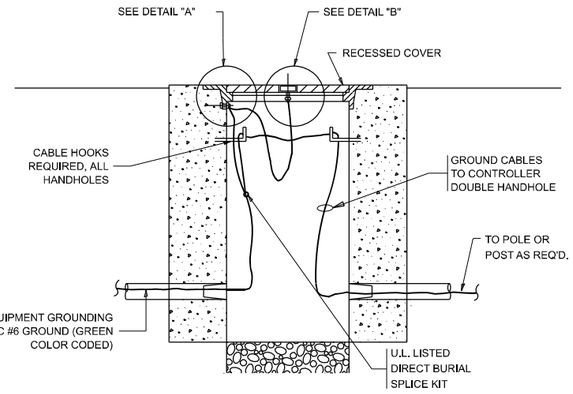
DETAIL "A"



DETAIL "B"

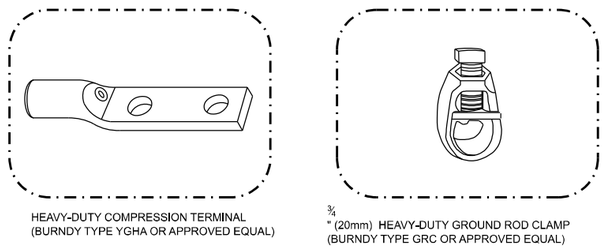
NOTES:
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



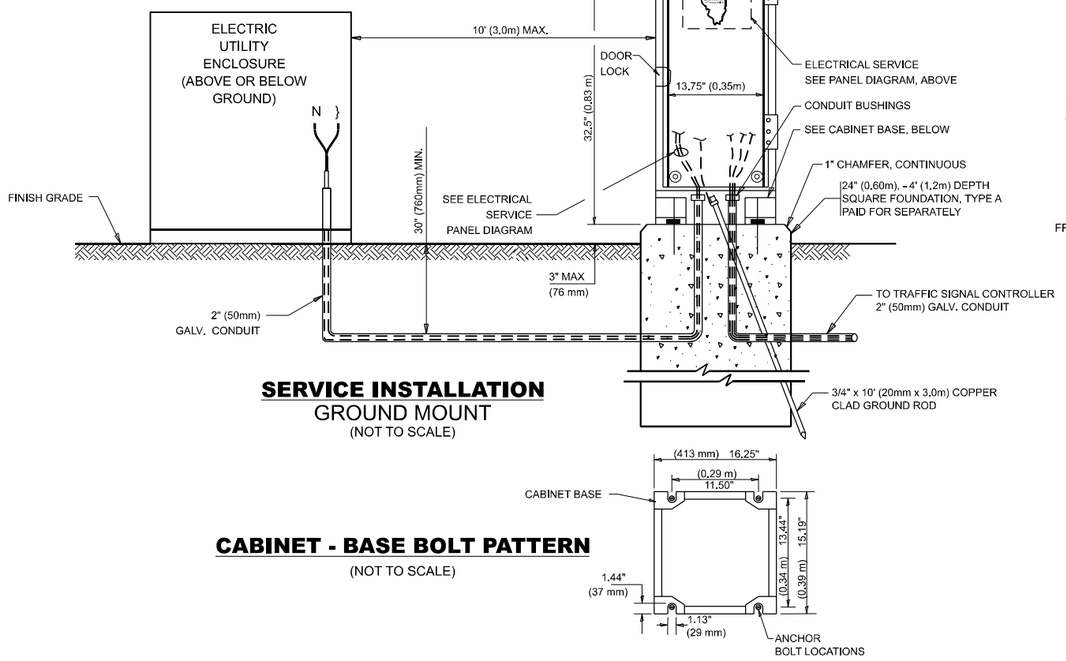
HANDHOLE COVER & FRAME - GROUNDING DETAIL

(NOT TO SCALE)



NOTES:

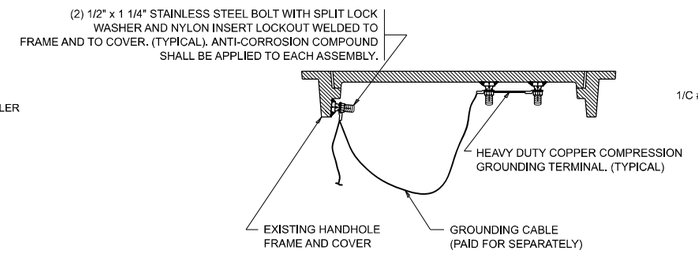
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)

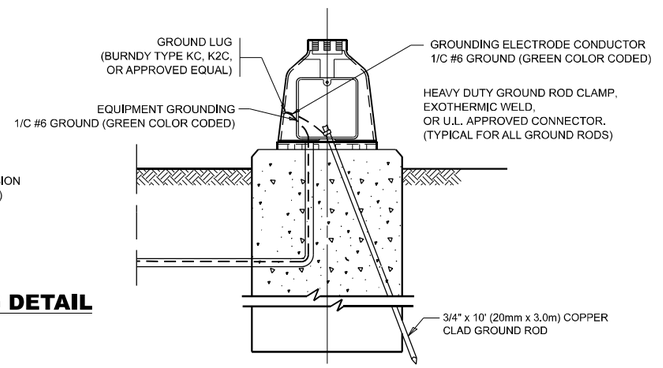
CABINET - BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL

(NOT TO SCALE)

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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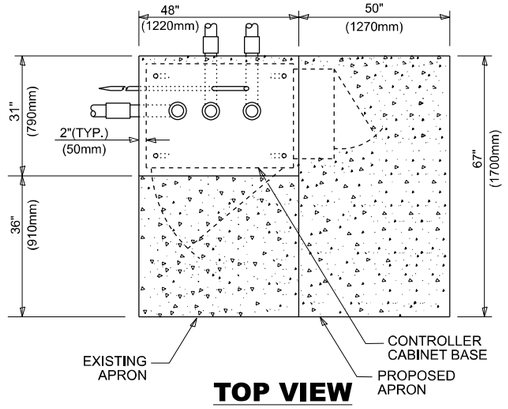
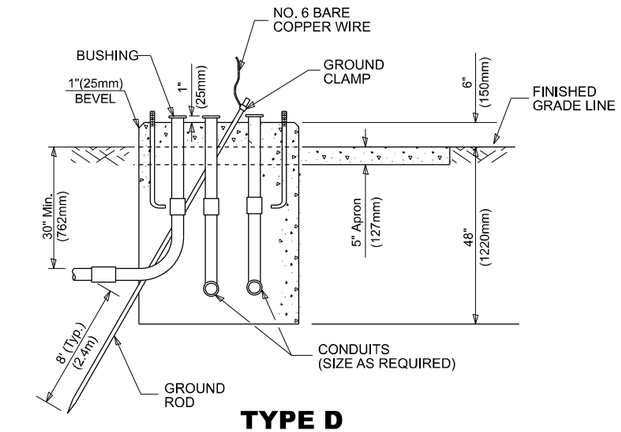
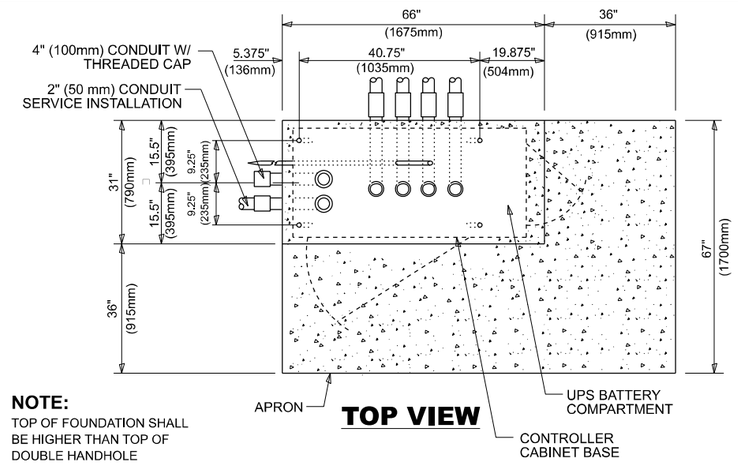
	TS-05	CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		



TOP VIEW

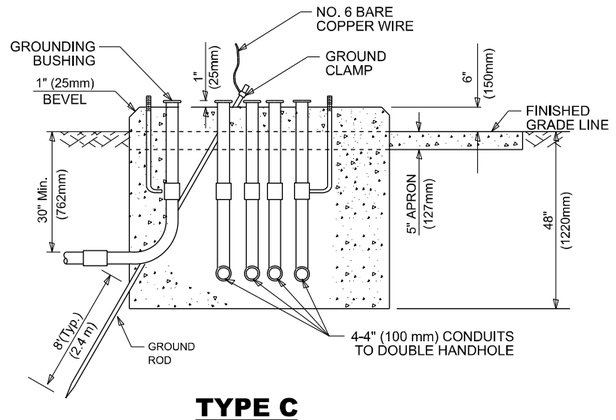


TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET

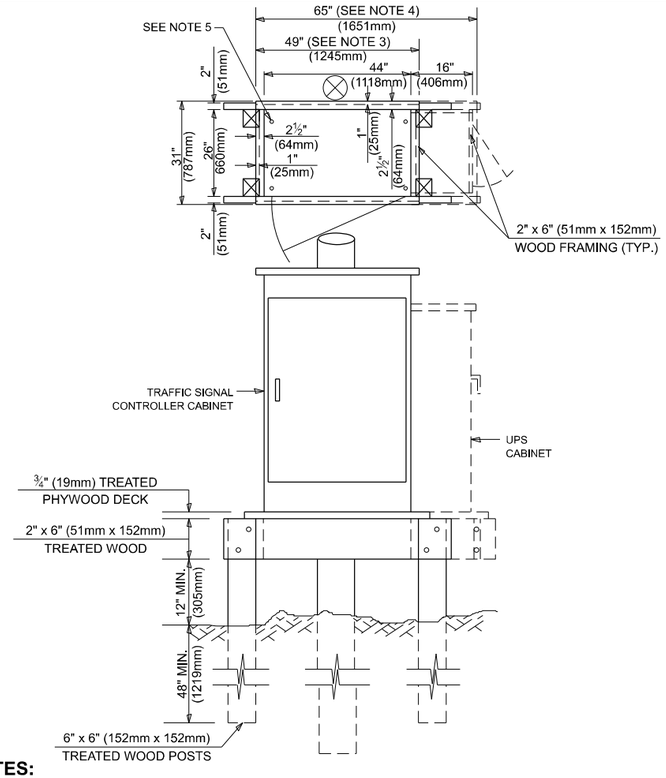


NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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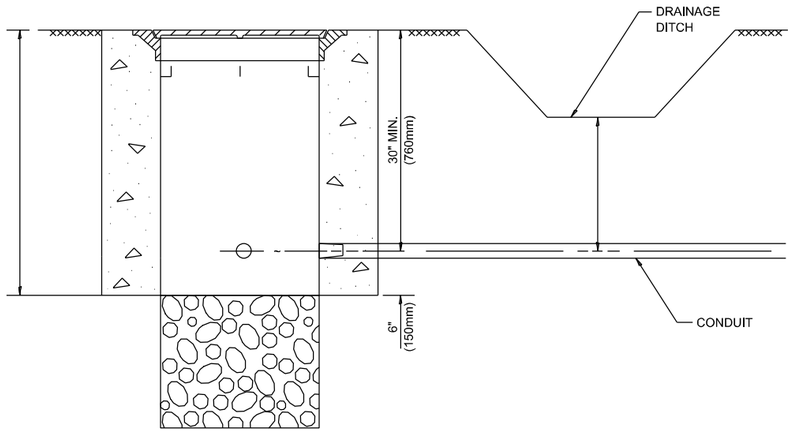
	TS-05	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

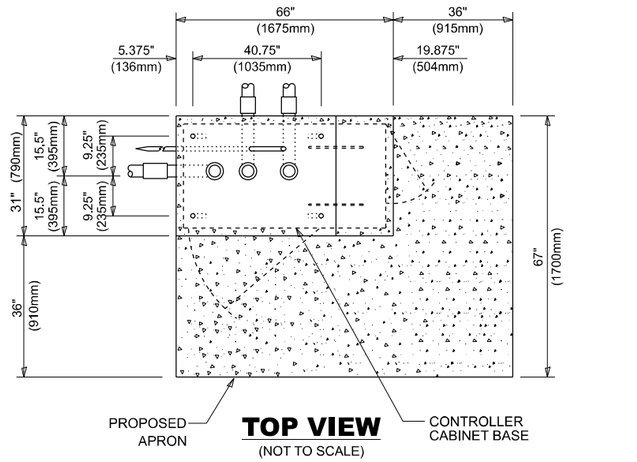


NOTES:

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.

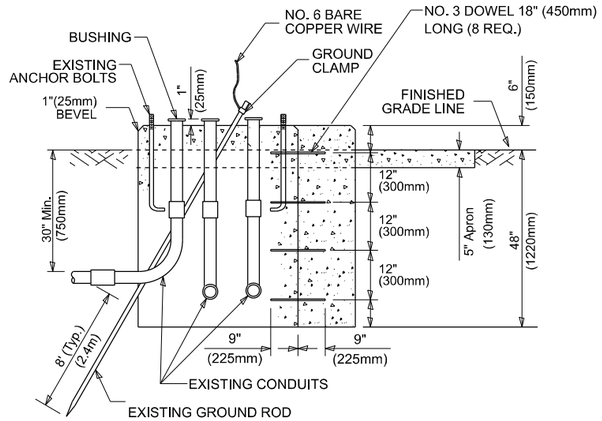
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



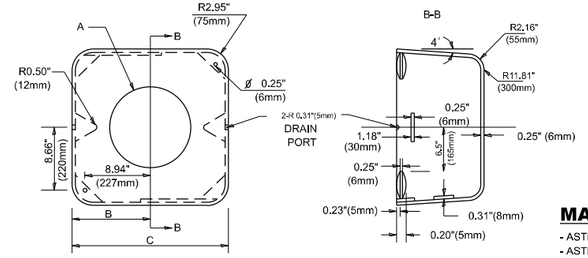
TOP VIEW

(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)

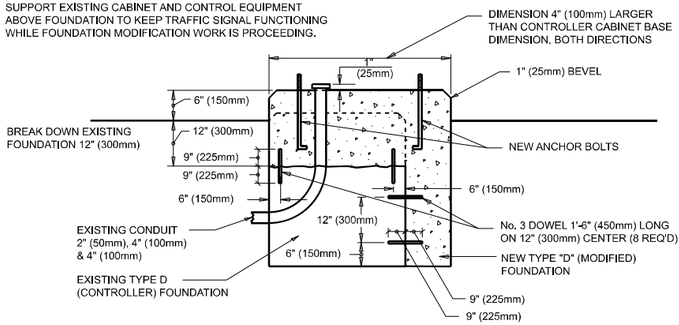
SHROUD

NOTES:

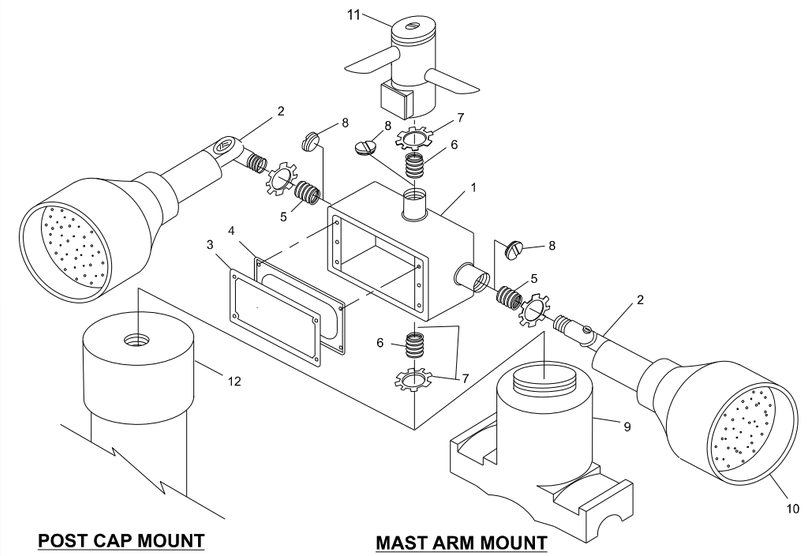
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



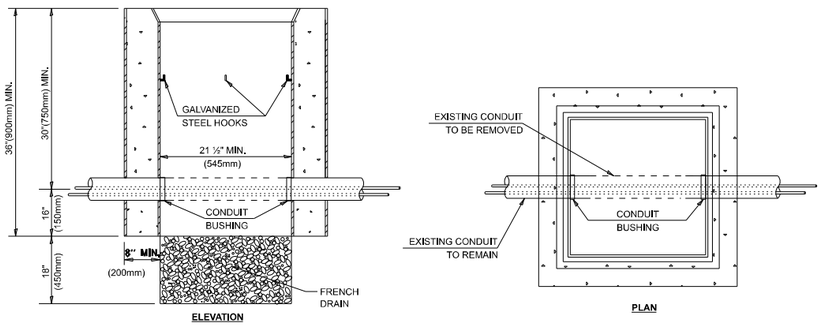
POST CAP MOUNT **MAST ARM MOUNT**

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	88G
	TS-05	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

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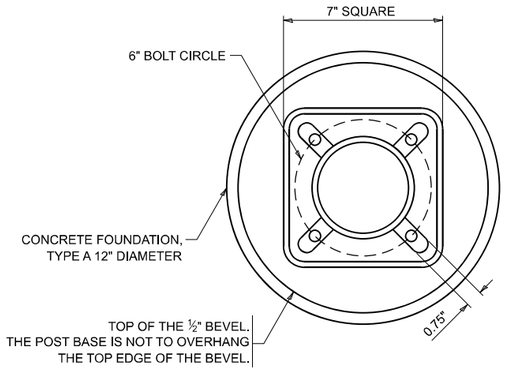
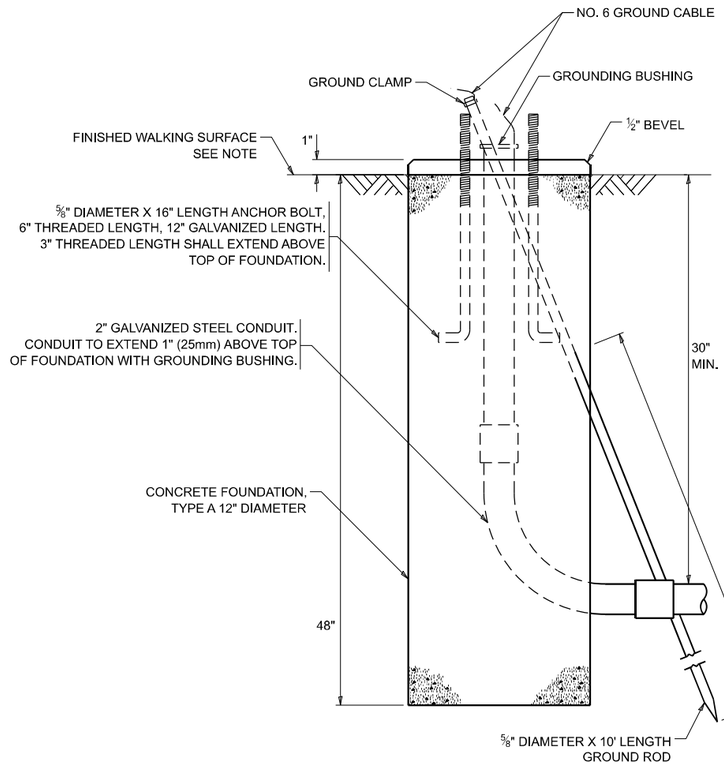


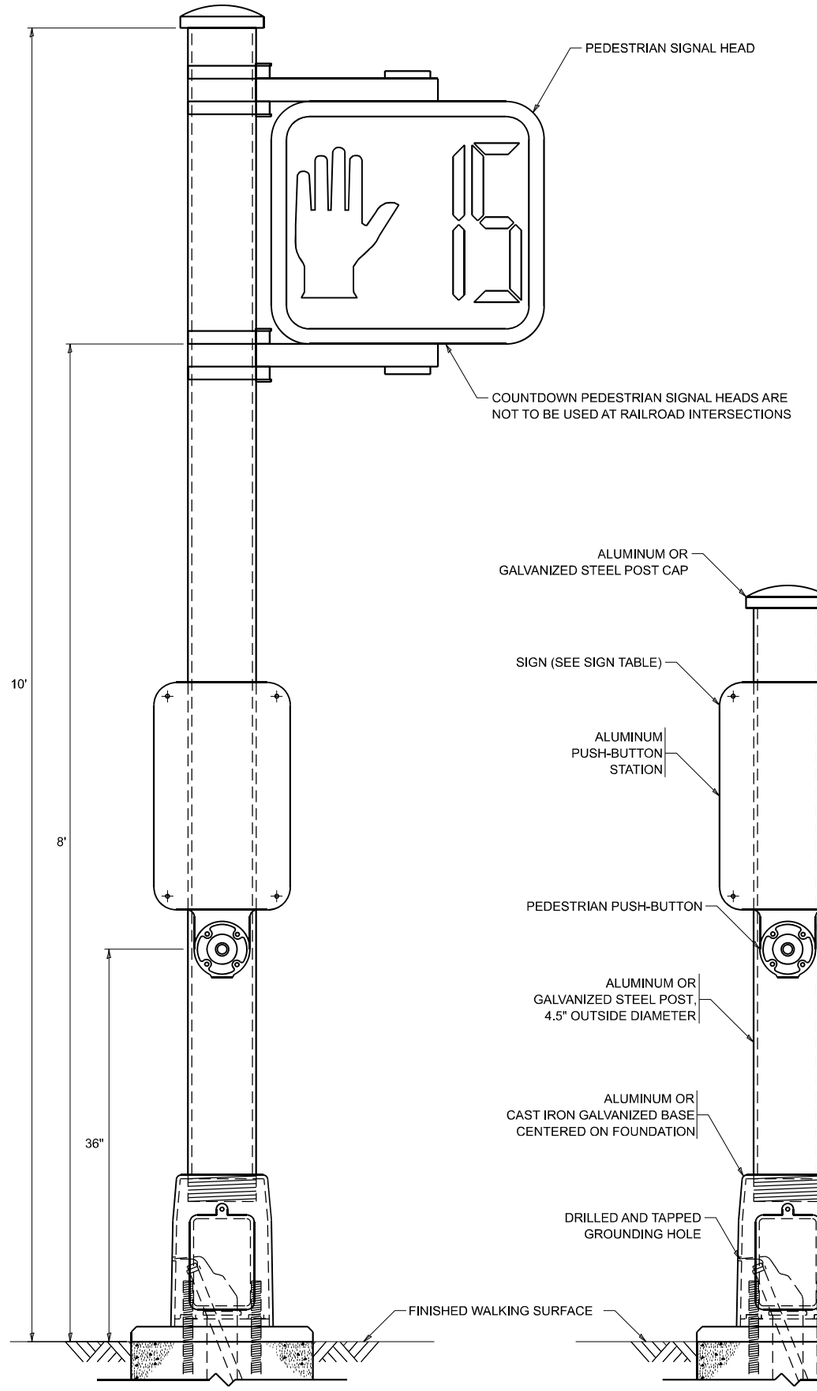
BOLT PATTERN

NOTE:

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

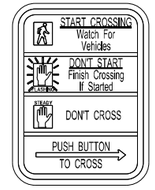


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



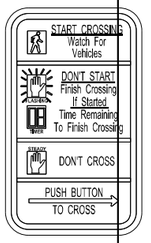
PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b

R10-3d



R10-3e

SIGN TABLE

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

NOTES:

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

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	DRAWN -	IP	REVISED -		
	CHECKED -	LP	REVISED -		
PLOT DATE = 8/20/2024	DATE -	10-15-2018	REVISED -		

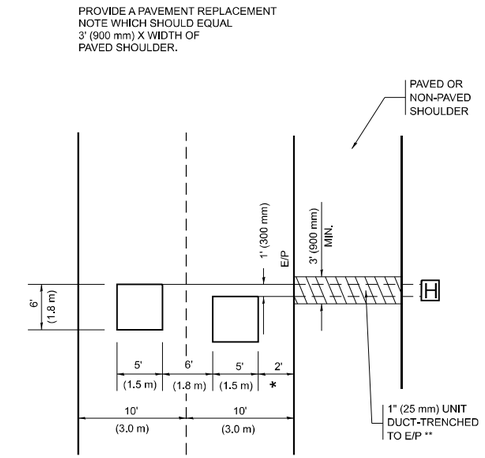
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	88H
	TS-05	CONTRACT NO. 62J79		
	ILLINOIS FED. AID PROJECT			

LOOPS NEXT TO SHOULDERS

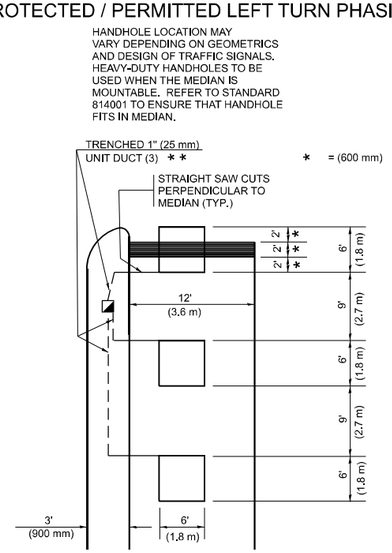


* = (600 mm)

* * 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)

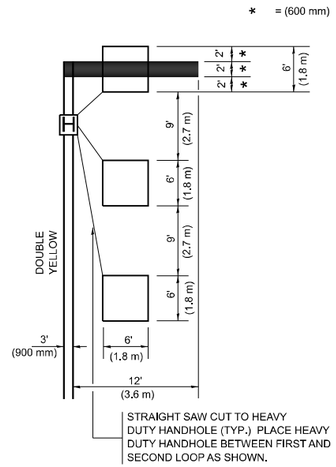


* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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.

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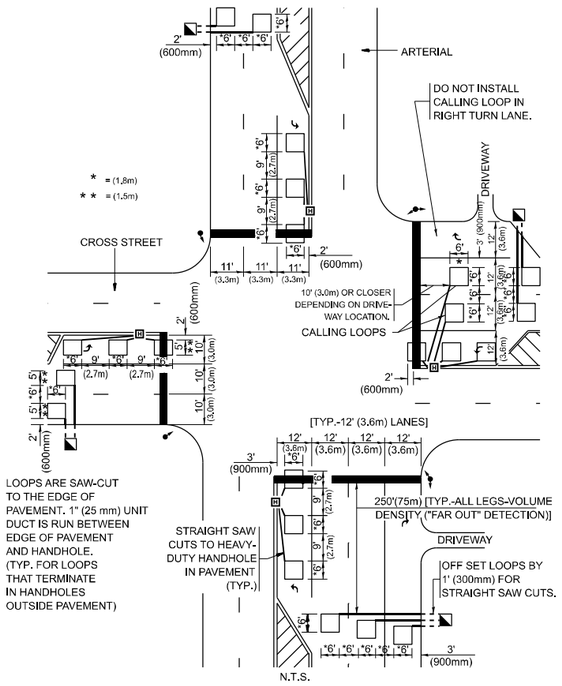
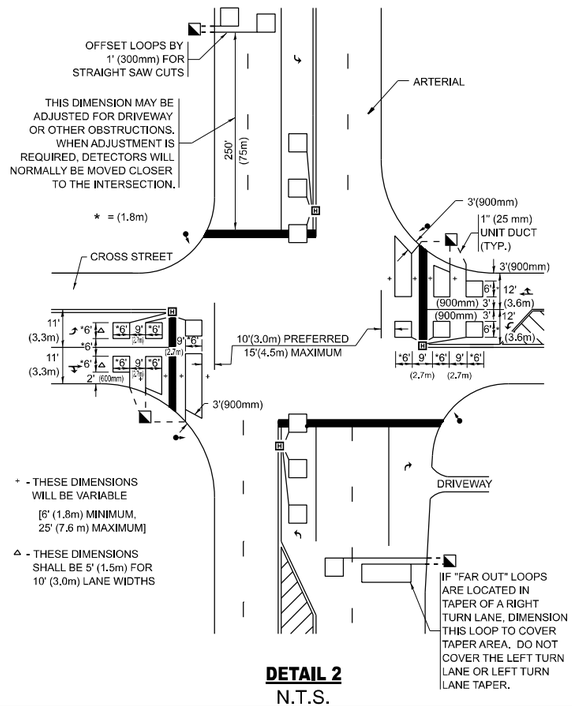
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

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PLOT DATE = 1/31/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	89
	TS-07	CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		

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NOTE BOOK | PLOTTED
NO. | TEMPLATE
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ORIGINAL SURVEY | SURVEYED | BY | DATE
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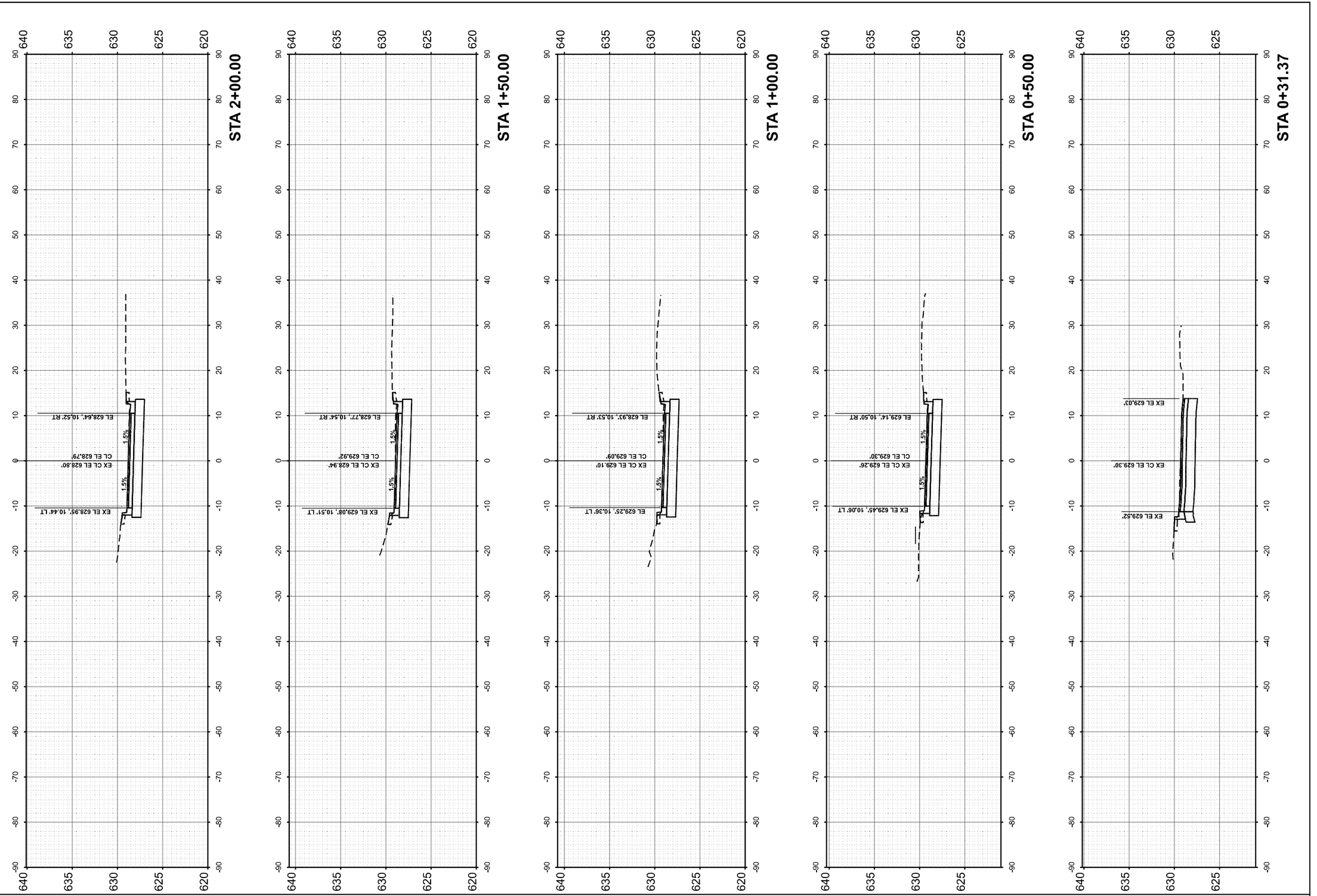

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
NORTH SIDE FRONTAGE ROAD (7TH AVE. TO 5TH AVE.)

SCALE: 1"=10' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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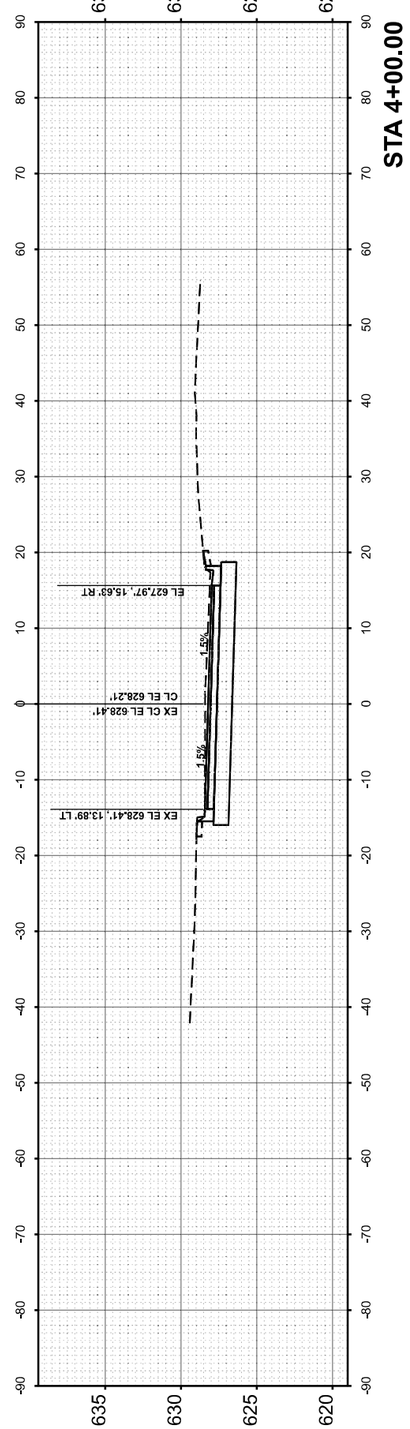
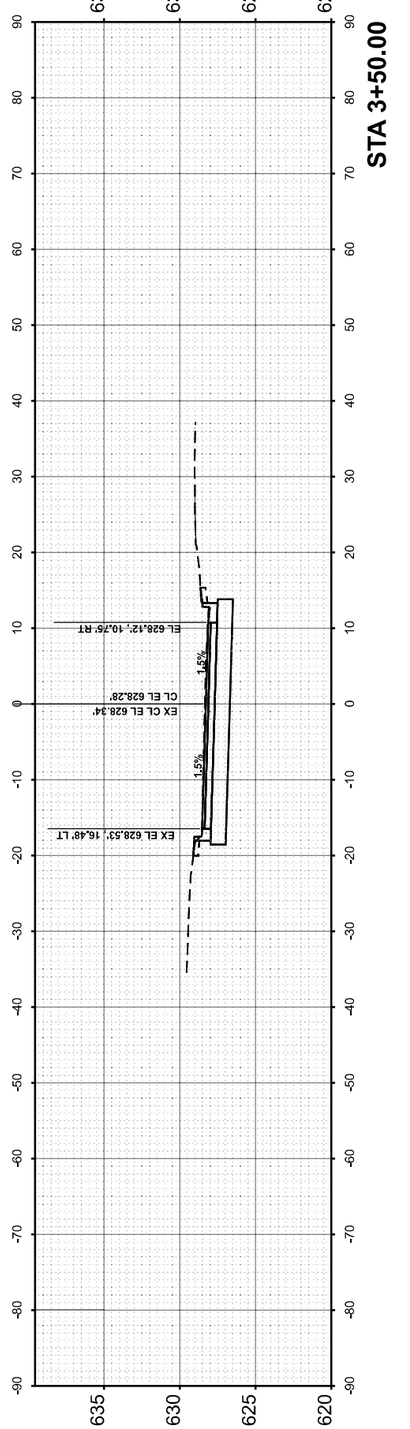
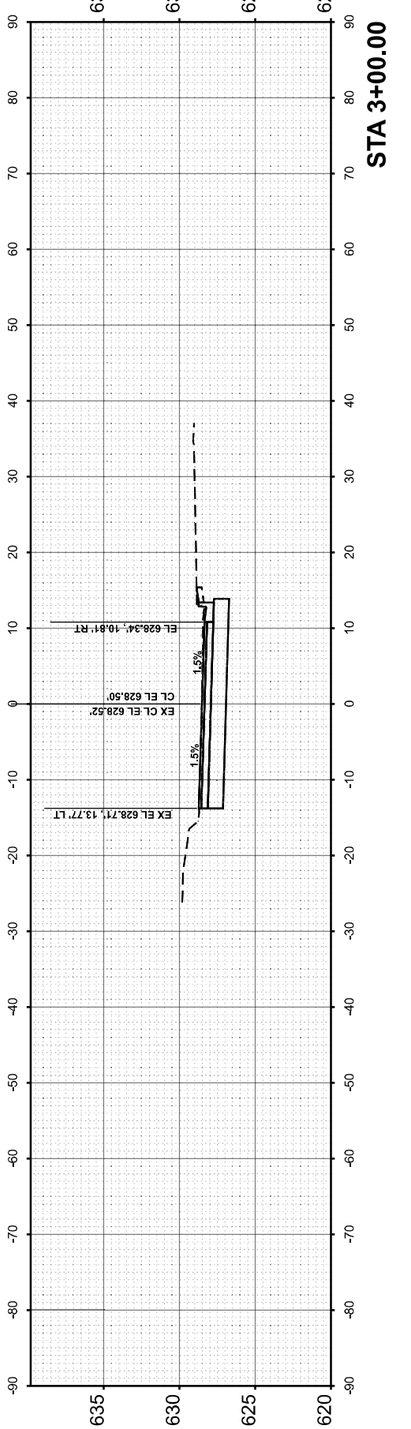
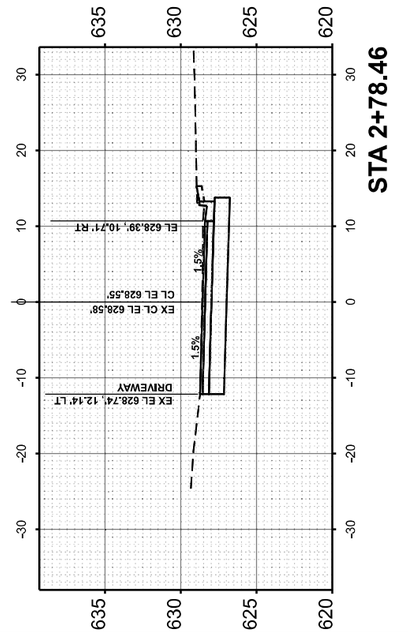
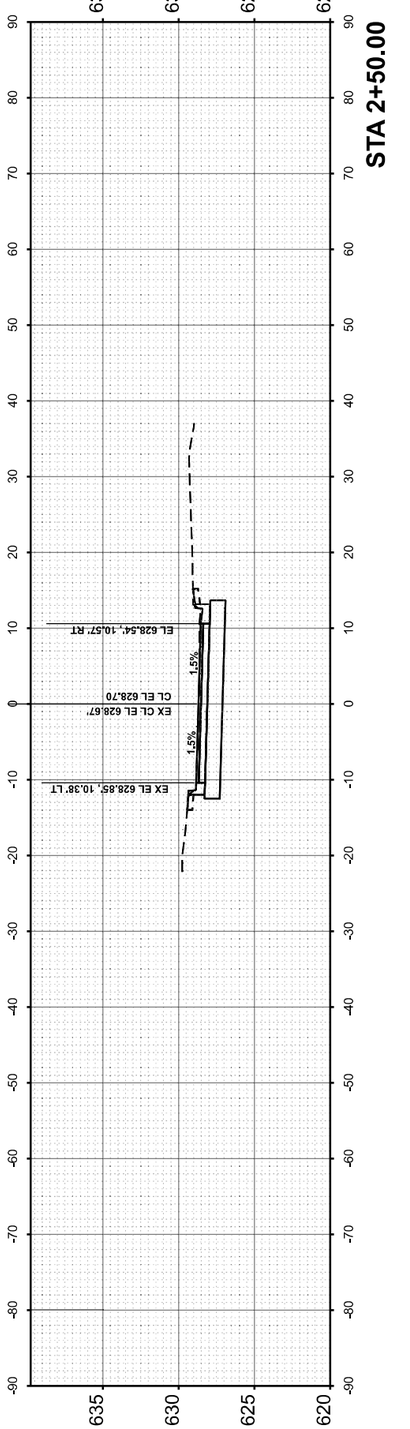
		CONTRACT NO. 62J79		
		ILLINOIS	FED. AID PROJECT	











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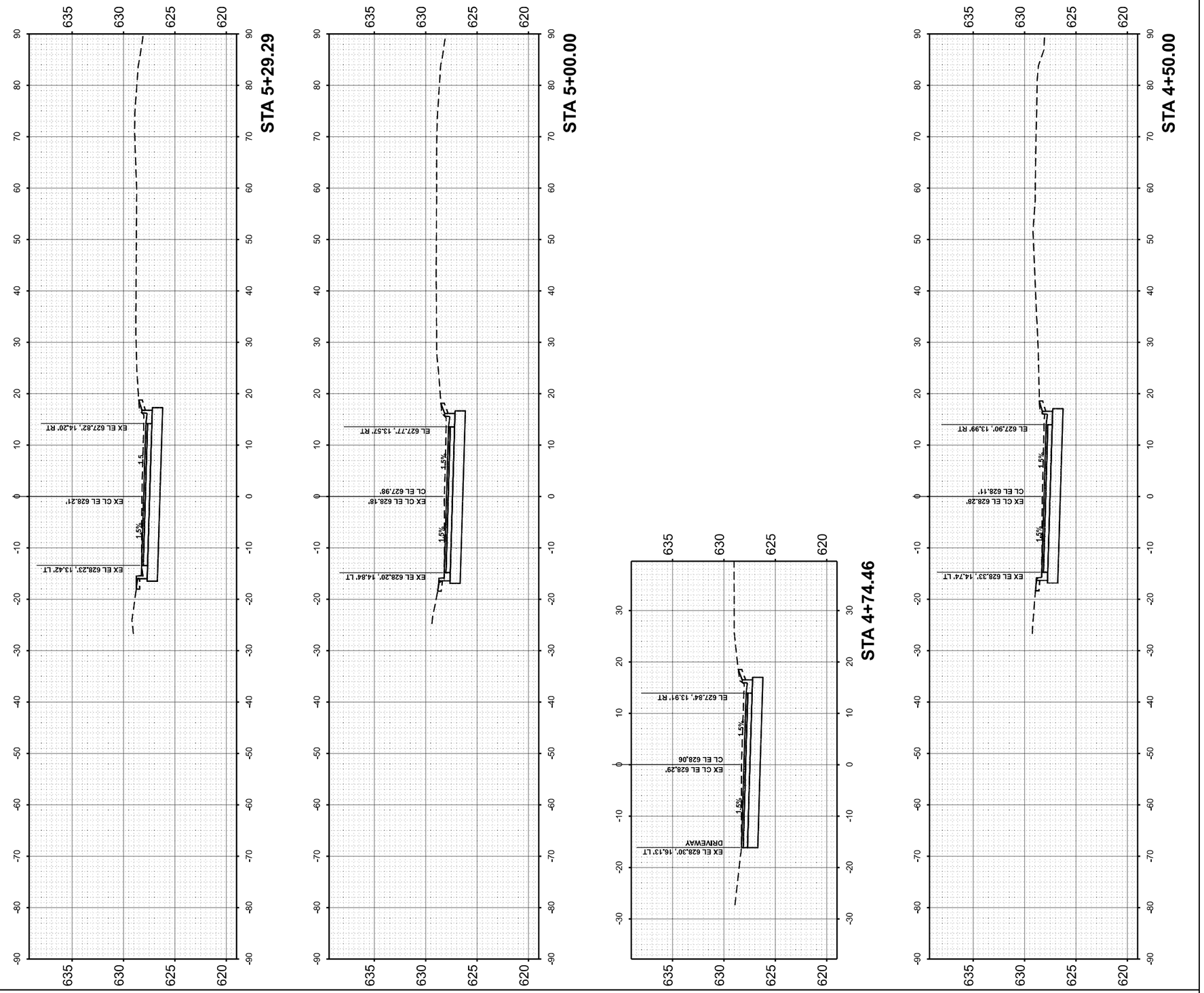
PLOT DATE = 2/27/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
NORTH SIDE FRONTAGE ROAD (7TH AVE. TO 5TH AVE.)

SCALE: 1"=10' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	91
		CONTRACT NO. 62J79		
	ILLINOIS	FED. AID PROJECT		



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ORIGINAL SURVEY	SURVEYED	BY	DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
NORTH SIDE FRONTAGE ROAD (7TH AVE. TO 5TH AVE.)

SCALE: 1"=10' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2019-107-RS&SW	COOK	92	92
		CONTRACT NO. 62J79		
		ILLINOIS FED. AID PROJECT		