

03-03-2017 LETTING ITEM 059

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE. 1321	SECTION 0711-RS-3	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 1
ILLINOIS CONTRACT NO. 62D11				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF STREAMWOOD, HANOVER PARK AND SCHAUMBURG

PROPOSED HIGHWAY PLANS

FAU ROUTE 1321: IL 19 (IRVING PARK ROAD)
BARTLETT ROAD TO 0.1-MI SE OF WISE ROAD
SECTION: 0711-RS-3
PROJECT: ACM-1321(022)
RESURFACING (3P), PEDESTRIAN RAMPS
COOK COUNTY

C-91-429-16

TRAFFIC DATA:

IL 19 (IRVING PARK RD):

BARTLETT RD TO BARRINGTON RD:

ADT (2015) = 27,000

SPEED LIMIT = 35 MPH

BARRINGTON RD TO WISE RD:

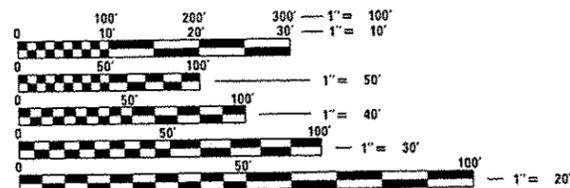
ADT (2015) = 32,200

SPEED LIMIT = 35 MPH

WISE RD TO PROJECT END:

ADT (2015) = 10,300

SPEED LIMIT = 35 MPH



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.

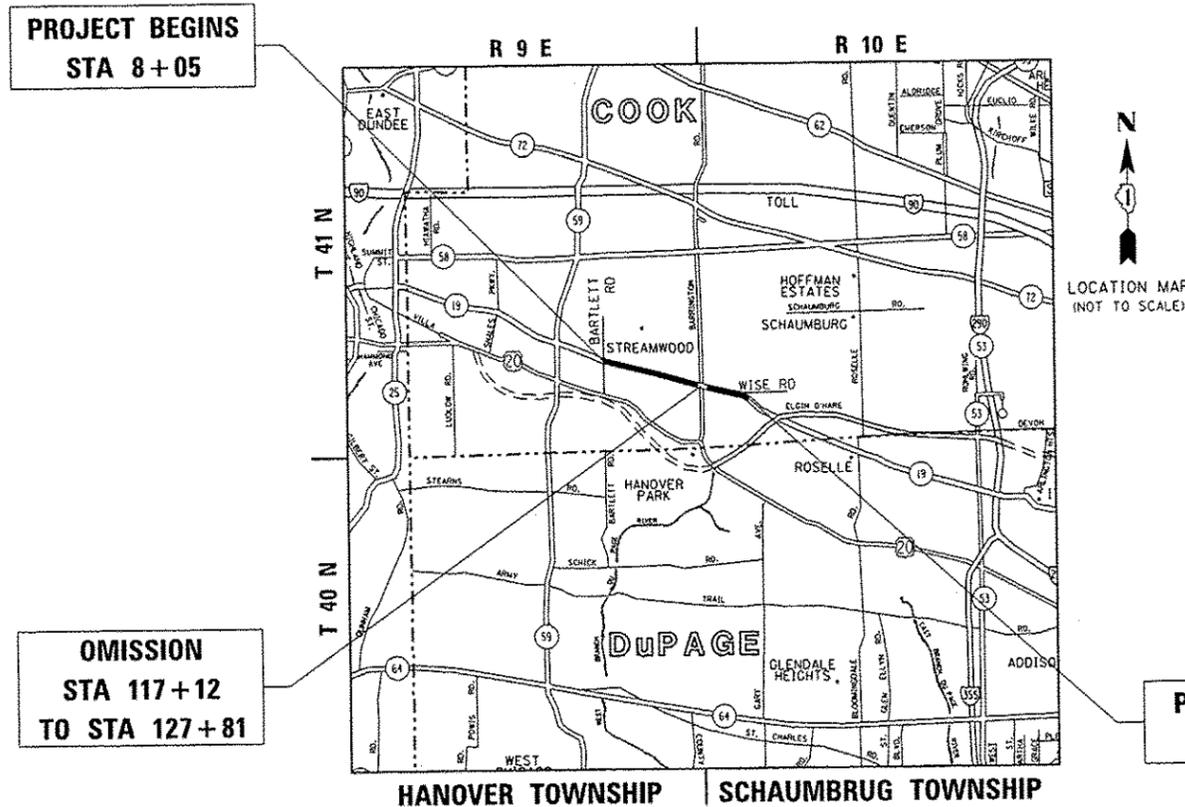
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: KARI SMITH (847) 705-4437
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62D11



LOCATION OF SECTION INDICATED THUS: — [black rectangle] —



PROJECT BEGINS
STA 8+05

OMISSION
STA 117+12
TO STA 127+81

PROJECT ENDS
STA 173+33

GROSS LENGTH = 16,528 FT. = 3.130 MILE
NET LENGTH = 15,459 FT. = 2.928 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *December 8 2016*

John Fortmann
REGIONAL ENGINEER

Jan 27 2017
Kawsem M. Adis
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 27 2017
David [Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET	000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
2-3	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
4-6	SUMMARY OF QUANTITIES	424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
7-9	TYPICAL SECTIONS	424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
10	SCHEDULE OF QUANTITIES	424016-03	MID-BLOCK CURB RAMPS FOR SIDEWALKS
11-16	ROADWAY AND PAVEMENT MARKING PLAN	424021-03	DEPRESSED CORNER FOR SIDEWALKS
17	CURB RAMPS IMPROVEMENT PLANS	424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
18-28	DETECTOR LOOP REPLACEMENT PLAN	424031-01	MEDIAN PEDESTRIAN CROSSINGS
29	BD-01: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB OR EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5 M)	442101-07	CLASS B PATCHES
30	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	442201-03	CLASS C AND D PATCHES
31	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	604001-04	FRAME AND LIDS TYPE 1
32	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	604091-03	FRAME AND GRATE TYPE 24
33	BD-32: BUTT JOINT AND HMA TAPER DETAILS	606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
34	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS	701101-05	OFF-RD OPERATIONS, MULTILANE 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
35	TC-11: TYPICAL APPLICATIONS; RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
36	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS	701602-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
37	TC-14: TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
38	TC-16: PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
39	TC-22: ARTERIAL ROAD INFORMATION SIGN	701901-06	TRAFFIC CONTROL DEVICES
40	TS-05: DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 2 OF 7)	814001-03	HANDHOLES
41	TS-07: DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING		

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF STREAMWOOD, HANOVER PARK AND SCHAUMBURG.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- 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/TECHNICIAN.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- 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.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT DON.CHIARUGI@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

SEE SHEET 3 FOR CONTINUATION

FILE NAME *	USER NAME * Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD TO 0.1-mi SE OF WISE RD INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11884EBIDINTEG\Illinois.gov\PIWIDT\Documents\DOT\Office\District 1\Projects\01427\Drawings\Design\0142916-alt-gannote.dgn	DESIGNED -	REVISED -	1321			0711-RS-3	COOK	41	2	
PLOT SCALE * 100.0000 ' / in.	CHECKED -	REVISED -	CONTRACT NO. 62011							
PLOT DATE * 12/15/2016	DATE -	REVISED -	[ILLINOIS] FED. AID PROJECT							
Default				SCALE:	SHEET OF SHEETS	STA. TO STA.				

GENERAL NOTES (CONTINUED)

21. WHEN EXISTING SIDEWALK IS TO BE REMOVED WITHOUT PROPOSED SIDEWALK REPLACEMENT, IT SHALL BE REPLACED WITH TOPSOIL AND SOD.
22. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
23. LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18-INCH WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN.
24. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
25. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENT FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.

FILE NAME *	USER NAME = Valchkev	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD TO 0.1-mi SE OF WISE RD INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Documents\DOT Offices\District 1\Projects\DI42916\Drawings\Design\DI42916-sht-gennote.dgn		CHECKED -	REVISED -			1321	0711-RS-3	COOK	41	3	
PLOT SCALE * 100.0000 ' / in.		DATE -	REVISED -			CONTRACT NO. 62D11		[ILLINOIS] FED. AID PROJECT			
Default	PLOT DATE * 12/15/2016					SCALE:	SHEET	OF	SHEETS	STA.	TO

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE
20200100	EARTH EXCAVATION	CU YD	65	65
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	816	816
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9
25200110	SODDING, SALT TOLERANT	SO YD	856	856
25200200	SUPPLEMENTAL WATERING	UNIT	44	44
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	10	10
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	150	150
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	75280	75280
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	167	167
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	4480	4480
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	236	236
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	18	18

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	10937	10937
42001300	PROTECTIVE COAT	SO YD	560	560
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	30	30
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	12	12
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4220	4220
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SG FT	98	98
42400800	DETECTABLE WARNINGS	SO FT	580	580
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	111525	111525
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	190	190
44000600	SIDEWALK REMOVAL	SO FT	4130	4130
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	5	5
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	966	966
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	134	134
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	1561	1561
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	161	161
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	55	55

FILE NAME *	USER NAME * VeriSoft	DESIGNED -	REVISED -
OFFICE * 11111 Pro	PROJECT * 11111	CHECKED -	REVISED -
PL07 SCALE * 1000000' / 1"	DATE * 12/15/2016	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 19 (IRVING PARK RD) - BARTLETT RD TO 0.1-mi SE OF WISE RD
SUMMARY OF QUANTITIES**

F.A.L. RTE. 1321	SECTION 0711-R5-3	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 4
SCALE:		SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
			CONTRACT NO. 62D11	* = SPECIALTY ITEMS

14

Rev

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE						CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	150	150						X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	5114	5114					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2650	2650						△ X5420618	PIPE CULVERTS TO BE CLEANED 18"	FOOT	28	28					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1360	1360						△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	50	50					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1662	1662						X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	37	37					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1662	1662						X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	5770	5770					
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3						Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	4015	4015					
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	5315	5315						△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	200	200					
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	5	5						Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	52	52					
* 89502376	REBUILD EXISTING HANDHOLE	EACH	2	2						⊖ Z0076600	TRAINEES	Hour	500	500					
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1						⊖ Z0076604	TRAINING PROGRAM GRADUATE	Hour	500	500					
* X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	2710	2710															
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	4861	4861															

* = SPECIALTY ITEMS
△ = NON-PARTICIPATING WORK (100% STATE)

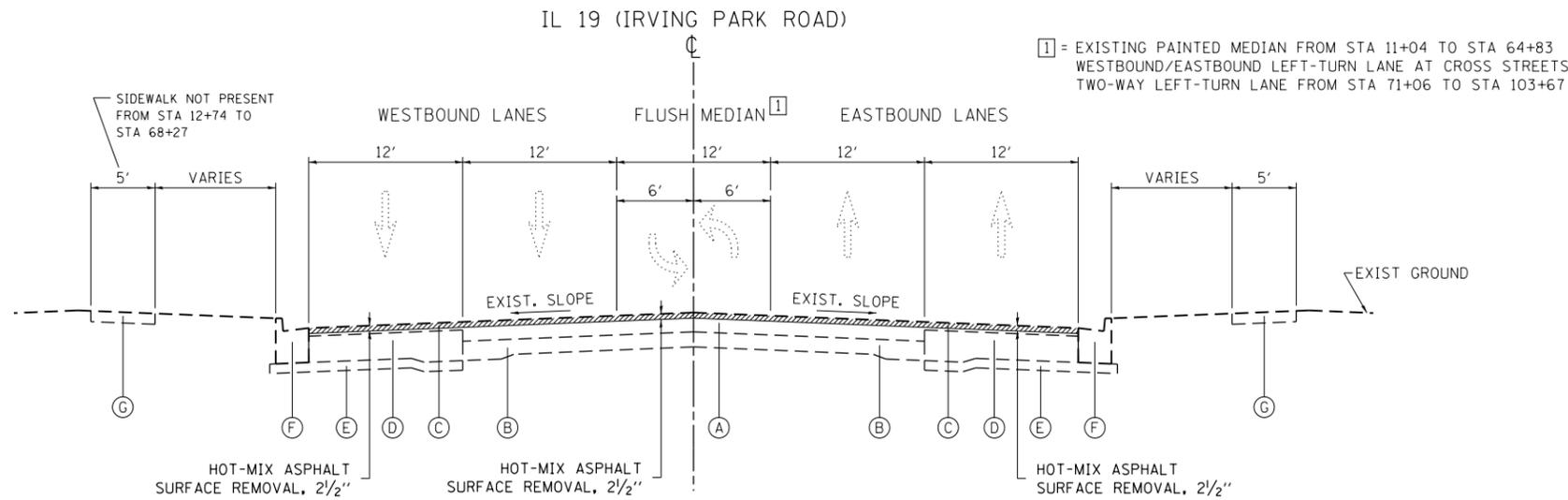
FILE NAME	USER NAME	DESIGNED	REVISED
DATE	DATE	CHECKED	REVISED
PLT SCALE	PLT DATE	DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 19 (IRVING PARK RD) - BARTLETT RD TO 0.1-mi SE OF WISE RD
SUMMARY OF QUANTITIES

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	6
CONTRACT NO. 62D11				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

REN



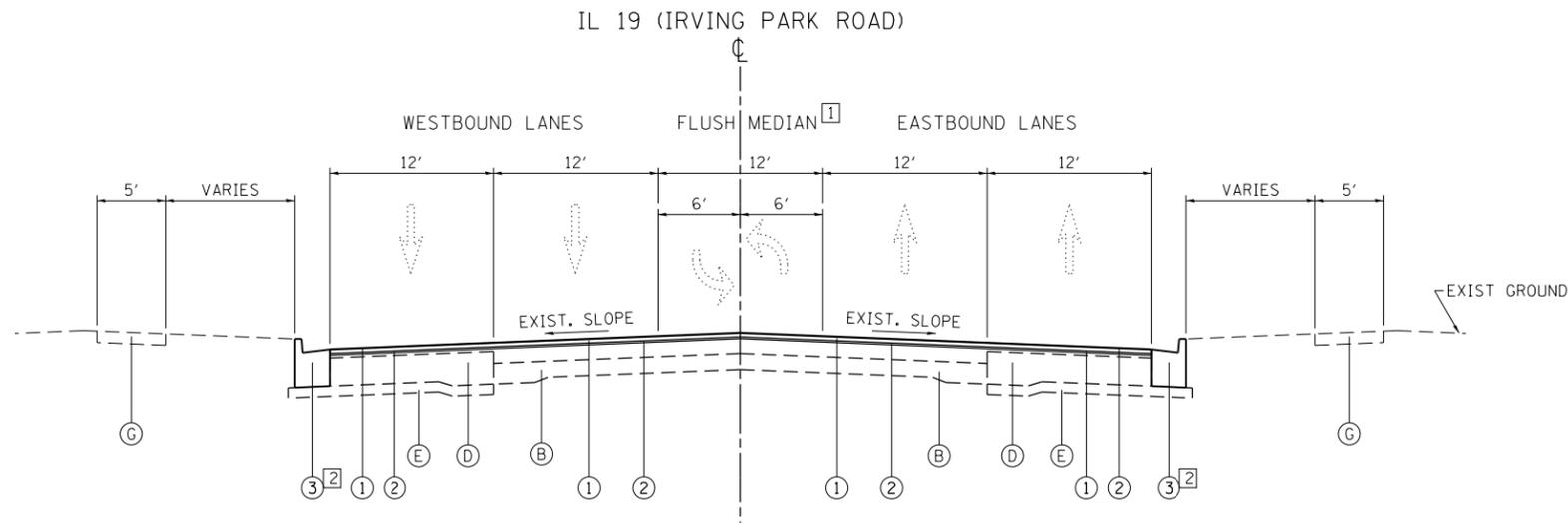
EXISTING TYPICAL SECTION
STA 8+05 (PROJECT BEGIN) TO STA 117+12 (OMISSION)

LEGEND - EXISTING:

- (A) HMA SURFACE (6" AND VARIES)
- (B) PCC PAVEMENT (9" AND VARIES)
- (C) HMA SURFACE (2 3/4" AND VARIES)
- (D) WIDENING:
PCC (8 1/2" AND VARIES): STA 8+05 TO STA 18+00
HMA (12 1/4" AND VARIES): STA 23+00 TO STA 117+12
- (E) GRANULAR SUBBASE
- (F) COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (G) PCC SIDEWALK
- (H) HMA SURFACE (4 1/2" AND VARIES)
- (I) PCC PAVEMENT (10" AND VARIES)
- (J) HMA SURFACE (2 1/2" AND VARIES)
- (K) HMA SURFACE (VARIABLE DEPTH)

NOTES:

THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING



PROPOSED TYPICAL SECTION
STA 8+05 (PROJECT BEGIN) TO STA 117+12 (OMISSION)

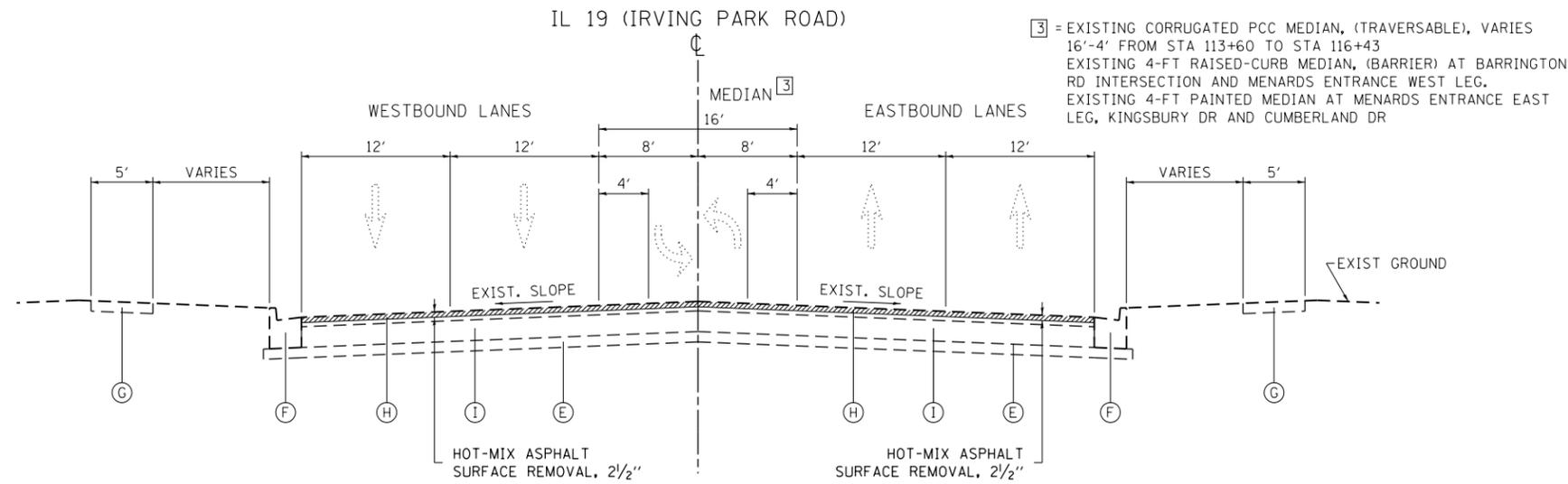
(2) = LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5 mm)
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (3) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5 mm)	4% AT 70 GYR.	PFP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	QCP
DRIVEWAYS		
HMA SURFACE COURSE, MIX D, N 50 (IL 9.5 mm); 2"	4% AT 50 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19 mm); PE -6", CE - 8"	4% AT 50 GYR.	QC/OA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- NOTE 3: QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



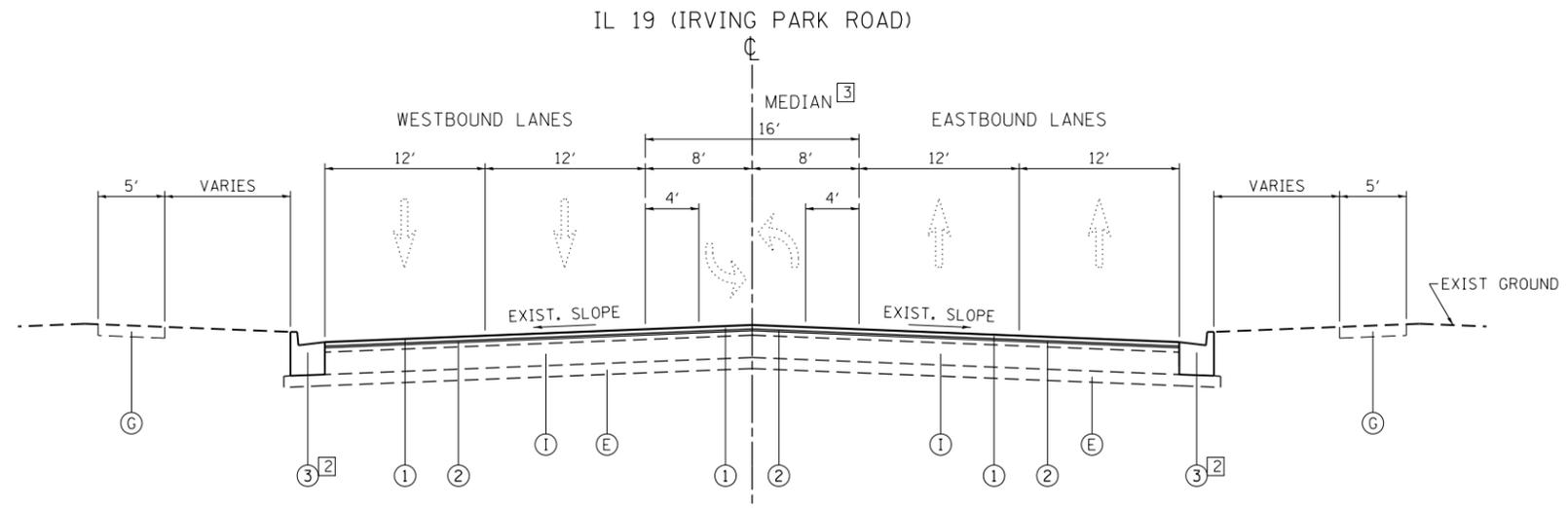
EXISTING TYPICAL SECTION
STA 127+81 (OMISSION) TO STA 136+50 (CUMBERLAND DR)

LEGEND - EXISTING:

- (A) HMA SURFACE (6" AND VARIES)
- (B) PCC PAVEMENT (9" AND VARIES)
- (C) HMA SURFACE (2 3/4" AND VARIES)
- (D) WIDENING:
PCC (8 1/2" AND VARIES): STA 8+05 TO STA 18+00
HMA (12 1/4" AND VARIES): STA 23+00 TO STA 117+12
- (E) GRANULAR SUBBASE
- (F) COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (G) PCC SIDEWALK
- (H) HMA SURFACE (4 1/2" AND VARIES)
- (I) PCC PAVEMENT (10" AND VARIES)
- (J) HMA SURFACE (2 1/2" AND VARIES)
- (K) HMA SURFACE (VARIABLE DEPTH)

NOTES:

THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING



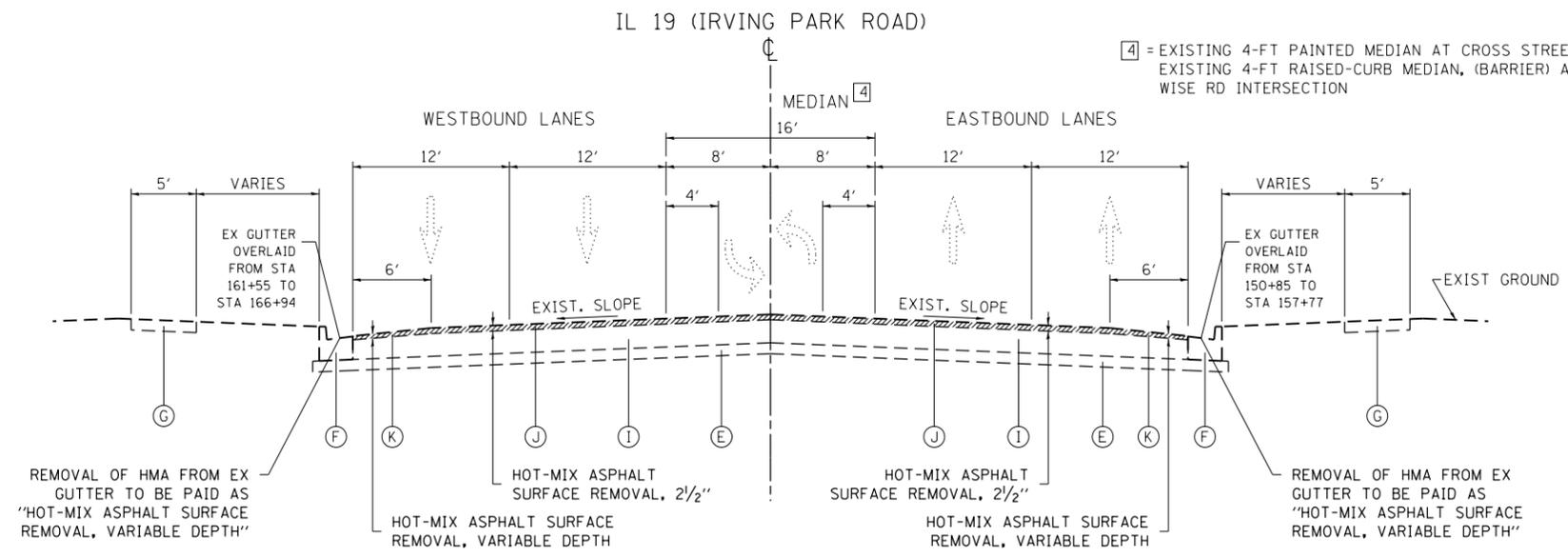
PROPOSED TYPICAL SECTION
STA 127+81 (OMISSION) TO STA 136+50 (CUMBERLAND DR)

2 = 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/TECHNICIAN.

LEGEND - PROPOSED

- 1 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- 2 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- 3 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD TO 0.1-mi SE OF WISE RD TYPICAL SECTIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\0142916\Drawings\Design\0142916-sh-typical.dgn		REVISION	REVISION			1321	0711-RS-3	COOK	41	8
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISION			CONTRACT NO. 62D11			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/13/2017	DATE -	REVISION			SCALE:	SHEET	OF	SHEETS	STA.



EXISTING TYPICAL SECTION
136+50 (CUMBERLAND DR) TO STA 173+33 (PROJECT END)

LEGEND - EXISTING:

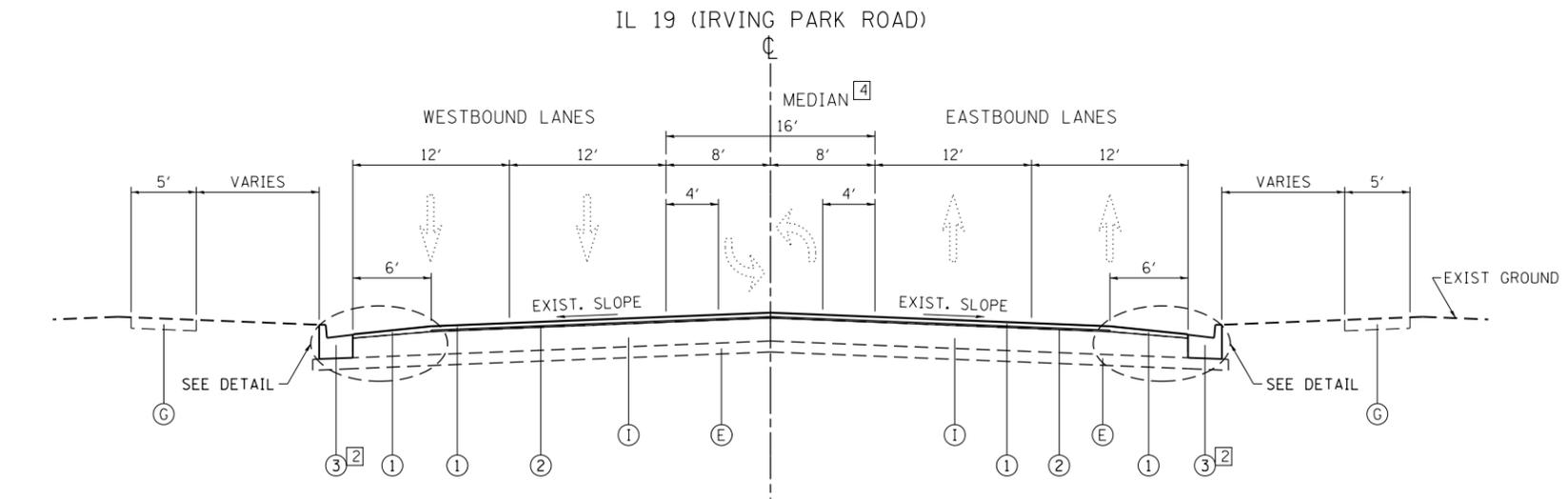
- (A) HMA SURFACE (6" AND VARIES)
- (B) PCC PAVEMENT (9" AND VARIES)
- (C) HMA SURFACE (2 3/4" AND VARIES)
- (D) WIDENING:
PCC (8 1/2" AND VARIES): STA 8+05 TO STA 18+00
HMA (12 1/4" AND VARIES): STA 23+00 TO STA 117+12
- (E) GRANULAR SUBBASE
- (F) COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (G) PCC SIDEWALK
- (H) HMA SURFACE (4 1/2" AND VARIES)
- (I) PCC PAVEMENT (10" AND VARIES)
- (J) HMA SURFACE (2 1/2" AND VARIES)
- (K) HMA SURFACE (VARIABLE DEPTH)

NOTES:

THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

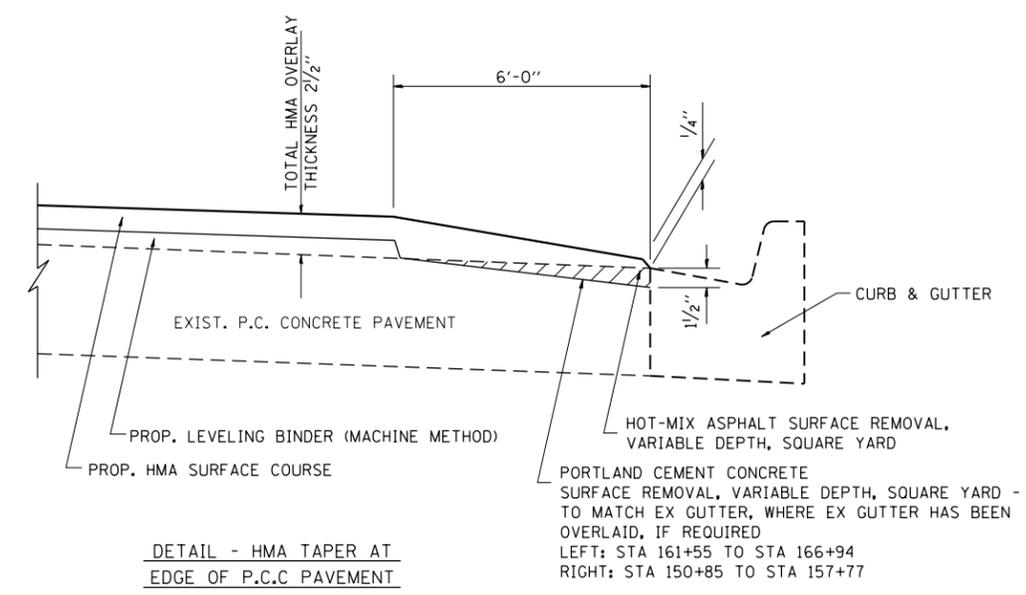
LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (3) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT



PROPOSED TYPICAL SECTION
136+50 (CUMBERLAND DR) TO STA 173+33 (PROJECT END)

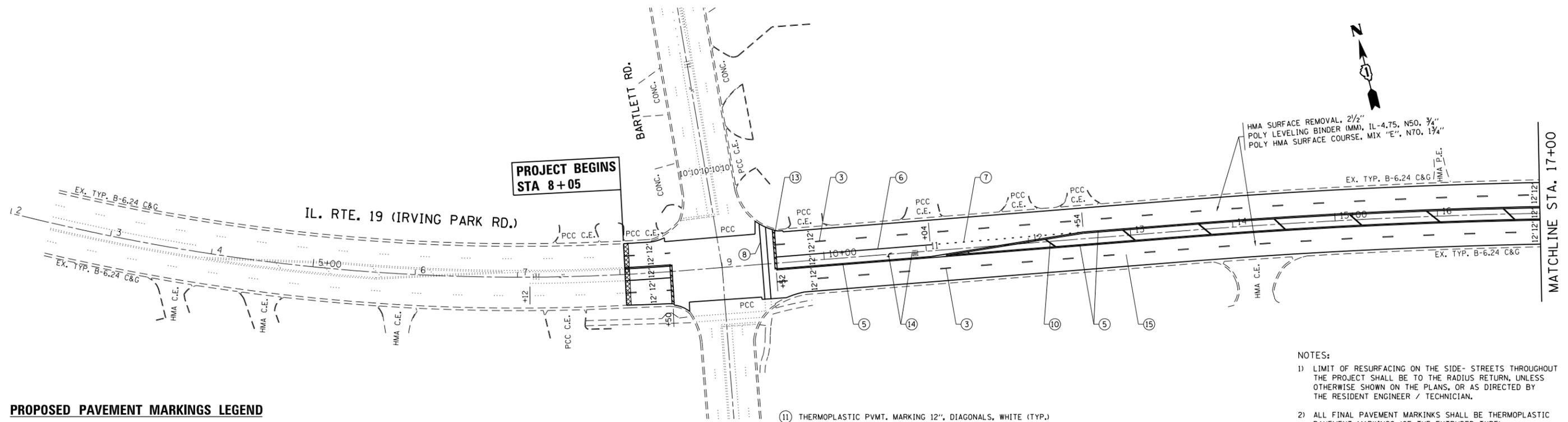
(2) = LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.



**DETAIL - HMA TAPER AT
EDGE OF P.C.C PAVEMENT**

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD TO 0.1-mi SE OF WISE RD TYPICAL SECTIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDT\Documents\DOT Offices\District 1\Projects\01429\Drawings\Design\0142916-sh-typical.dgn		CHECKED -	REVISED -			1321	0711-RS-3	COOK	41	9
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 62D11			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/13/2017					SCALE:	SHEET	OF	SHEETS	STA.

LOCATION			20200100	21101615	25000400	25000500	25000600	25200110	25200200	42001300	42300200	42400200	42400300	42400800	44000200	44000600	60255500	60260100	60600605	85000200	89500400	89502376	X0327611	Z0004562	
CROSS STREET	CORNER	RAMP	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	DETECTABLE WARNINGS	DRIVEWAY PAVEMENT REMOVAL	SIDEWALK REMOVAL	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED	CONCRETE CURB, TYPE B	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	REBUILD EXISTING HANDHOLE	REMOVE AND REINSTALL BRICK PAVEMENT	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	
			CU YD	SQ YD	POUND	POUND	POUND	SO YD	UNIT	SO YD	SO YD	SO FT	SO FT	SO FT	SO YD	SO FT	EACH	EACH	FOOT	EACH	EACH	EACH	SO FT	FOOT	
PARK BLVD	NW	IL 19	0.8	3.7	0.1	0.1	0.1	4.0	0.2	6		35		10		35			5		1		55	10	
PARK BLVD	NW		0.8	3.7	0.1	0.1	0.1	4.0	0.2	6		35		10		35			10		1		55	10	
PARK BLVD	MEDIAN WEST		1.3	4.1	0.1	0.1	0.1	4.5	0.2	3		10		10					5				61	8	
PARK BLVD	MEDIAN EAST		1.3	4.1	0.1	0.1	0.1	4.5	0.2	3		10		10					5				61	8	
PARK BLVD	NE		0.8	4.7	0.1	0.1	0.1	5.1	0.3	6		35		10		35			10				70	10	
PARK BLVD	NE	IL 19	0.8	4.7	0.1	0.1	0.1	5.1	0.3	6		35		10		35			10			1	70	10	
PARK AVE	SE	IL 19	0.8	6.1	0.1	0.1	0.1	6.7	0.3	6		35		10		35			6				92	10	
PARK AVE	SE		0.8	6.1	0.1	0.1	0.1	6.7	0.3	6		35		10		35			6				92	10	
PARK AVE	SW		0.8	9.8	0.2	0.2	0.2	10.8	0.6	6		35		10		35			8				148	10	
PARK AVE	SW	IL 19	0.8	9.8	0.2	0.2	0.2	10.8	0.6	6		35		10		35			12				148	10	
VINE ST	NW	IL 19	1.3	2.9	0.1	0.1	0.1	3.2	0.2	5		35		10		35			10				43	8	
VINE ST	NW		1.3	2.9	0.1	0.1	0.1	3.2	0.2	5		35		10		35			5				43	8	
VINE ST	NE		1.3	5.3	0.1	0.1	0.1	5.8	0.3	5		35		10		35			5				79	8	
VINE ST	NE	IL 19	1.3	5.3	0.1	0.1	0.1	5.8	0.3	5		35		10		35			10				79	8	
VINE ST	SW	IL 19	1.3	10.5	0.2	0.2	0.2	11.5	0.6	6		39		14		39			20				157	10	
ALEXANDER AVE	SE		1.3	14.1	0.3	0.3	0.3	15.5	0.8	6		39		14		39			16				211	10	
ALEXANDER AVE	SW		1.3	10.0	0.2	0.2	0.2	11.0	0.6	6		39		14		39			20				150	10	
SHIRLEY AVE	SE		1.3	10.6	0.2	0.2	0.2	11.6	0.6	19		158		14		158			5					10	
SHIRLEY AVE	SW		1.3	7.7	0.2	0.2	0.2	8.4	0.4	15		115		14		115			5					10	
SUNNYDALE BLVD / LINCOLN CT	NW	IL 19	0.8	2.8	0.1	0.1	0.1	3.1	0.2	6		35		10		35			17				42	10	
SUNNYDALE BLVD / LINCOLN CT	NW		0.8	2.8	0.1	0.1	0.1	3.1	0.2	6		35		10		35			5				42	10	
SUNNYDALE BLVD / LINCOLN CT	NE		0.8	8.9	0.2	0.2	0.2	9.8	0.5	6		35		10		35			5				134	10	
SUNNYDALE BLVD / LINCOLN CT	NE	IL 19	0.8	8.9	0.2	0.2	0.2	9.8	0.5	6		35		10		35			28				134	10	
SUNNYDALE BLVD / LINCOLN CT	SE	IL 19	0.8	12.6	0.3	0.3	0.3	13.8	0.7	6		35		10		35			11				189	10	
SUNNYDALE BLVD / LINCOLN CT	SE		0.8	12.6	0.3	0.3	0.3	13.8	0.7	6		35		10		35			27				189	10	
SUNNYDALE BLVD / LINCOLN CT	SW		0.8	12.1	0.2	0.2	0.2	13.3	0.7	6		35		10		35			25				181	10	
SUNNYDALE BLVD / LINCOLN CT	SW	IL 19	0.8	12.1	0.2	0.2	0.2	13.3	0.7	6		35		10		35			11				181	10	
MCKOOL AVE	SE		1.3	7.6	0.2	0.2	0.2	8.4	0.4	14		114		10		114			15					8	
MCKOOL AVE	SW		1.3	6.5	0.1	0.1	0.1	7.2	0.4	12		98		10		98			8					4	
MCKOOL AVE	SW	IL 19	1.3	6.5	0.1	0.1	0.1	7.2	0.4	12		98		10		98			8					4	
EAST AVE	NE		0.8	4.0	0.1	0.1	0.1	4.4	0.2	7		61		0		61			12		1			0	
EAST AVE	NW																			1		2			
JENSEN BLVD	NE		1.3	4.6	0.1	0.1	0.1	5.0	0.3	9		68		10		68	1		13					8	
JENSEN BLVD	NE	IL 19	1.3	4.6	0.1	0.1	0.1	5.0	0.3	9		68		10		68			13					8	
BRIAR LN	SE		1.3	14.7	0.3	0.3	0.3	16.1	0.8	26		220		10		220			25					8	
BRIAR LN	SW		1.3	10.9	0.2	0.2	0.2	12.0	0.6	20	30	164	98	10	30	164		1	25					8	
CUMBERLAND DR	NW		1.3	9.5	0.2	0.2	0.2	10.4	0.5	17		142		10		142			10					8	
CUMBERLAND DR	NE		1.3	7.7	0.2	0.2	0.2	8.4	0.4	14		115		10		115			10					8	
LONGMEADOW LN	SE		1.3	8.1	0.2	0.2	0.2	8.9	0.5	15		121		10		121			15					8	
LONGMEADOW LN	SW		1.3	4.8	0.1	0.1	0.1	5.2	0.3	9		71		10		71			15					8	
EDGEBROOK LN	SE		1.3	6.6	0.1	0.1	0.1	7.3	0.4	12		99		10		99			15					8	
EDGEBROOK LN	SW		1.3	6.1	0.1	0.1	0.1	6.7	0.3	12		92		10		92			15					8	
NORTHWAY DR	NW		1.3	8.7	0.2	0.2	0.2	9.6	0.5	16		131		10		131			25					8	
NORTHWAY DR	ISLAND WEST		1.3	3.7	0.1	0.1	0.1	4.1	0.2	8		56		10		56			20					8	
NORTHWAY DR	ISLAND EAST		1.3	3.7	0.1	0.1	0.1	4.1	0.2	8		56		10		56			20					8	
NORTHWAY DR	NE		1.3	8.3	0.2	0.2	0.2	9.1	0.5	15		124		10		124			20					8	
OLDE SALEM RD	NW		1.3	3.3	0.1	0.1	0.1	3.7	0.2	7		50		10		50			15	1		1		8	
OLDE SALEM RD	NE		1.3	4.5	0.1	0.1	0.1	5.0	0.3	9		68		10		68			15					8	
ORCHARD LN	SE		1.3	11.2	0.2	0.2	0.2	12.3	0.6	20		168		16		168			20					10	
ORCHARD LN	SW		1.3	7.3	0.2	0.2	0.2	8.1	0.4	14		110		10		110			15					8	
OLDE SALEM CIR	NW		1.3	7.9	0.2	0.2	0.2	8.7	0.4	15		118		10		118			15					8	
OLDE SALEM CIR	NE		1.3	8.7	0.2	0.2	0.2	9.6	0.5	16		131		10		131			25					8	
WISE RD / GEORGETOWN DR	NE	IL 19	1.3	6.5	0.1	0.1	0.1	7.2	0.4	12		98		10		98		1	35					8	
WISE RD / GEORGETOWN DR	SE	IL 19	1.3	8.6	0.2	0.2	0.2	9.5	0.5	16		129		16		129			15					10	
WISE RD / GEORGETOWN DR	SE		1.3	8.6	0.2	0.2	0.2	9.5	0.5	16		129		10		129			15					10	
WISE RD / GEORGETOWN DR	SW		1.3	13.5	0.3	0.3	0.3	14.8	0.8	24		202		16		202			15					10	
MISC. QUANTITIES FOR ROUNDING			4.7	0.6	0.7	0.7	0.7			9		8		2		4			1				4		
ADDITIONAL QUANTITIES PER BD-24 "CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT"				410.0				410.0	20.9					160										3541	
TOTAL =			65	816	9	9	9	856	44	560	30	4,220	98	580	190	4,130	2	2	770	3	5	2	2,710	4,015	



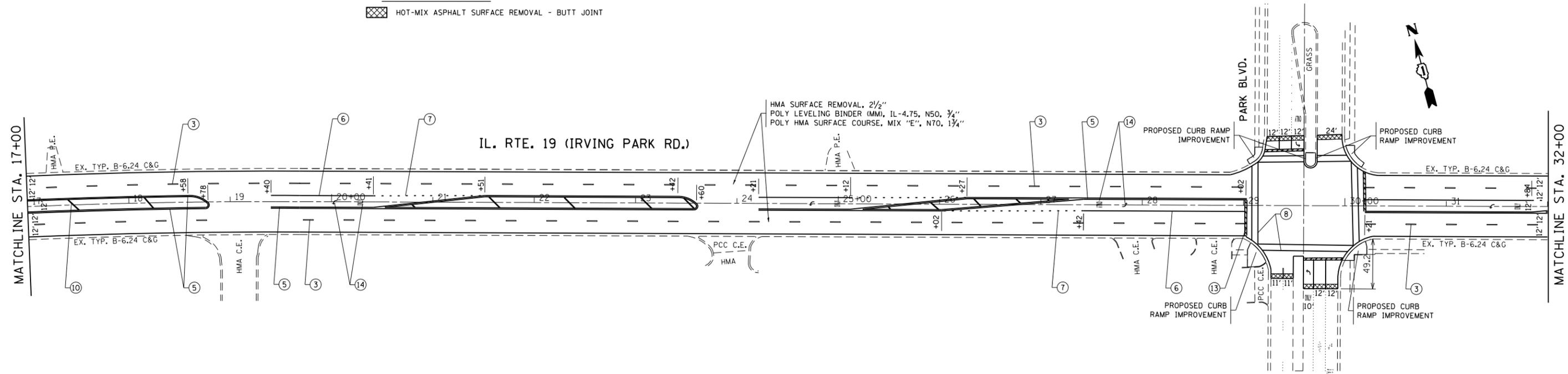
PROPOSED PAVEMENT MARKINGS LEGEND

- | | | |
|--|---|---|
| ① THERMOPLASTIC PVM. MARKING 4", LINE, WHITE (TYP.) | ⑥ THERMOPLASTIC PVM. MARKING 6", LINE, WHITE (TYP.) | ⑪ THERMOPLASTIC PVM. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ② THERMOPLASTIC PVM. MARKING 4", LINE, YELLOW (TYP.) | ⑦ THERMOPLASTIC PVM. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.) | ⑫ THERMOPLASTIC PVM. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ③ THERMOPLASTIC PVM. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.) | ⑧ THERMOPLASTIC PVM. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.) | ⑬ THERMOPLASTIC PVM. MARKING 24", STOP BAR, WHITE (TYP.) |
| ④ THERMOPLASTIC PVM. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.) | ⑨ THERMOPLASTIC PVM. MARKING 8", LINE, WHITE (TYP.) | ⑭ THERMOPLASTIC PVM. MARKING, LETTERS & SYMBOLS, WHITE (TYP.) |
| ⑤ THERMOPLASTIC PVM. MARKING 4", DOUBLE YELLOW (TYP.) | ⑩ THERMOPLASTIC PVM. MARKING 12", DIAGONALS, YELLOW (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑮ RAISED REFLECTIVE PVM. MARKER (TYP.) |

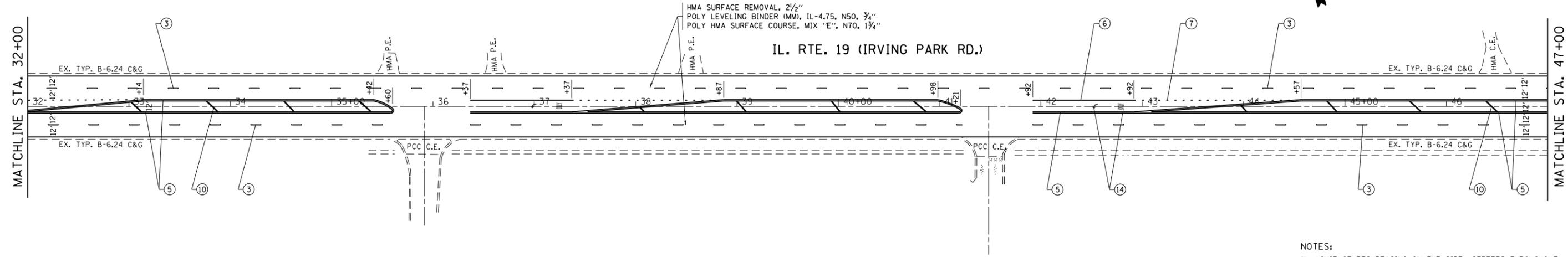
ROADWAY LEGEND

☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

- NOTES:**
- LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
 - ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
 - ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
 - ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD. TO 0.1-mi SE OF WISE RD ROADWAY AND PAVEMENT MARKING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\0142916\Drawings\Design\0142916-shr-plan.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			1321	0711-RS-3	COOK	41	11	
Default	PLOT DATE = 12/15/2016	DATE -	REVISED -			CONTRACT NO. 62D11					
						ILLINOIS FED. AID PROJECT					



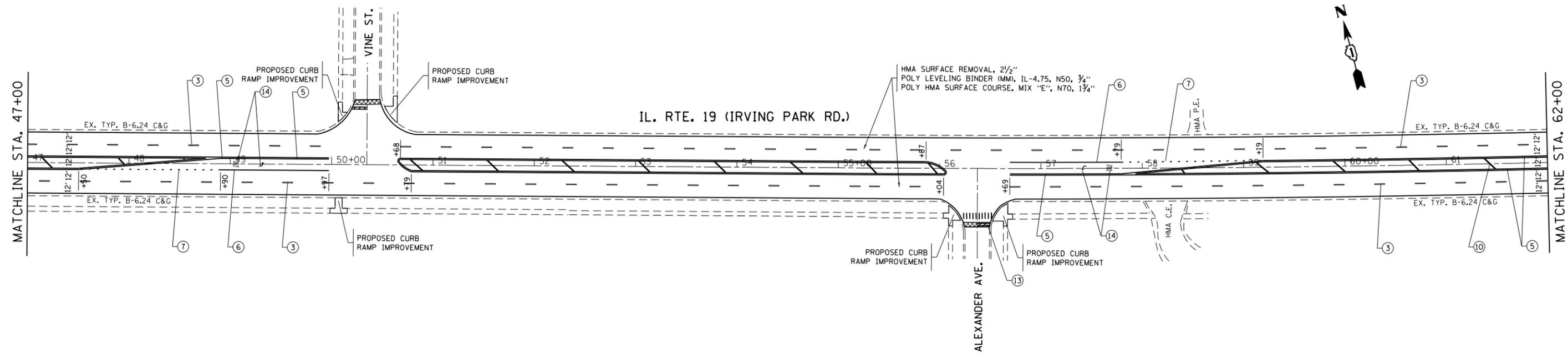
PROPOSED PAVEMENT MARKINGS LEGEND

- | | | |
|---|--|--|
| ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.) | ⑥ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.) | ⑪ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.) | ⑦ THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.) | ⑫ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ③ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.) | ⑧ THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.) | ⑬ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.) |
| ④ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.) | ⑨ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.) | ⑭ THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.) |
| ⑤ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.) | ⑩ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑮ RAISED REFLECTIVE PVMT. MARKER (TYP.) |

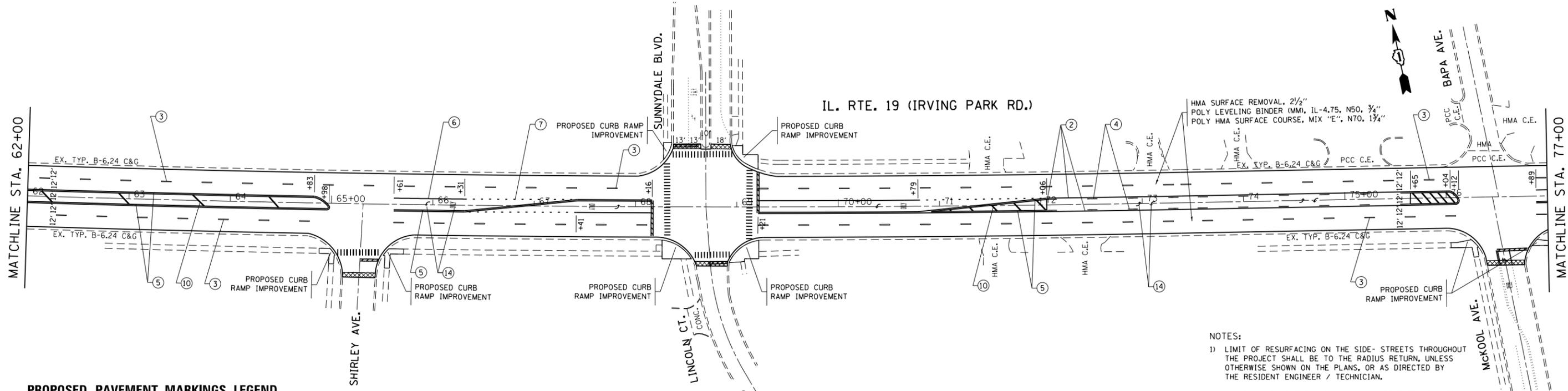
- NOTES:**
- LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
 - ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
 - ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
 - ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

ROADWAY LEGEND

- ☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD. TO 0.1-mi SE OF WISE RD ROADWAY AND PAVEMENT MARKING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\D1429\Drawings\Design\D142916-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			1321	0711-RS-3	COOK	41	12	
Default	PLOT DATE = 12/15/2016	DATE -	REVISED -			CONTRACT NO. 62D11					
						ILLINOIS FED. AID PROJECT					



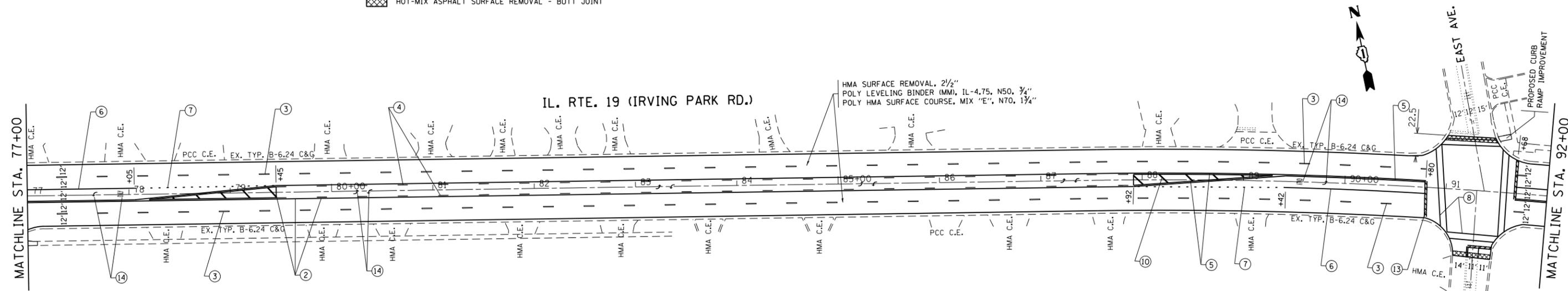
PROPOSED PAVEMENT MARKINGS LEGEND

- | | | |
|---|--|--|
| ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.) | ⑥ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.) | ⑪ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.) | ⑦ THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.) | ⑫ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ③ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.) | ⑧ THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.) | ⑬ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.) |
| ④ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.) | ⑨ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.) | ⑭ THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.) |
| ⑤ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.) | ⑩ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑮ RAISED REFLECTIVE PVMT. MARKER (TYP.) |

- NOTES:**
- 1) LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
 - 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
 - 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
 - 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

ROADWAY LEGEND

☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



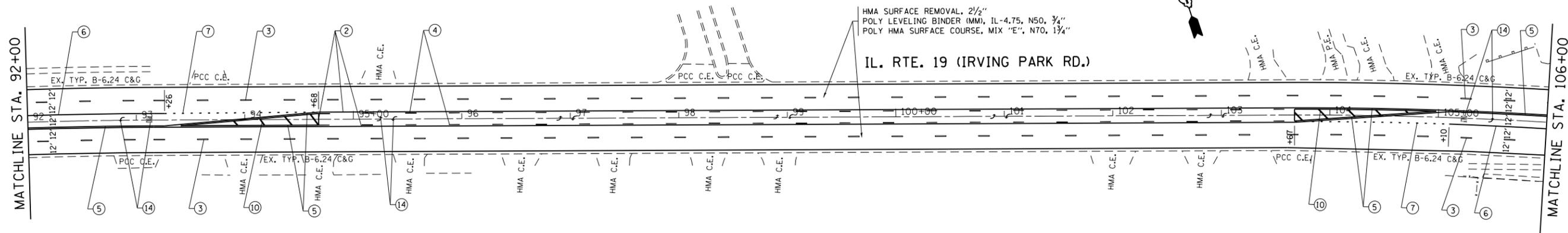
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 19 (IRVING PARK RD) - BARTLETT RD. TO 0.1-mi SE OF WISE RD
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. 62+00 TO STA. 92+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	13
CONTRACT NO. 62D11			ILLINOIS FED. AID PROJECT	



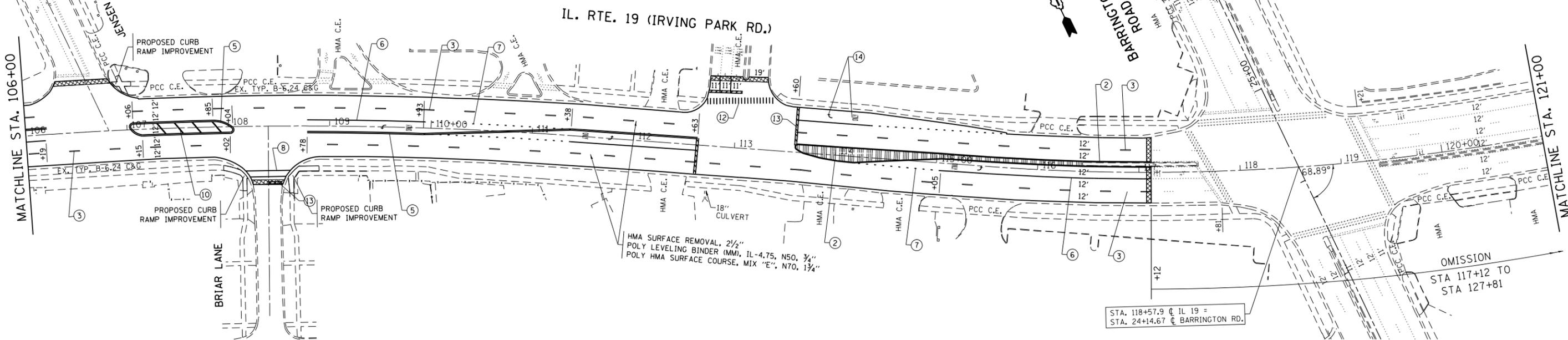
PROPOSED PAVEMENT MARKINGS LEGEND

- | | | |
|---|--|--|
| ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.) | ⑥ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.) | ⑪ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.) | ⑦ THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.) | ⑫ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ③ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.) | ⑧ THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.) | ⑬ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.) |
| ④ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.) | ⑨ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.) | ⑭ THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.) |
| ⑤ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.) | ⑩ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑮ RAISED REFLECTIVE PVMT. MARKER (TYP.) |

- NOTES:**
- LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
 - ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
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 - ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

ROADWAY LEGEND

☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



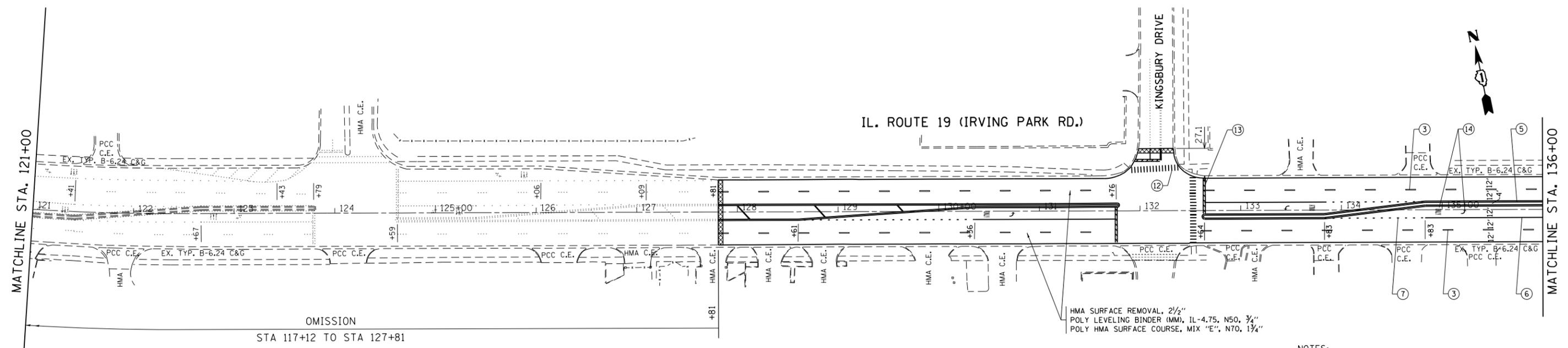
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	PLOT DATE = 12/15/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 19 (IRVING PARK RD) - BARTLETT RD. TO 0.1-mi SE OF WISE RD
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. 92+00 TO STA. 121+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	14
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				



OMISSION
STA 117+12 TO STA 127+81

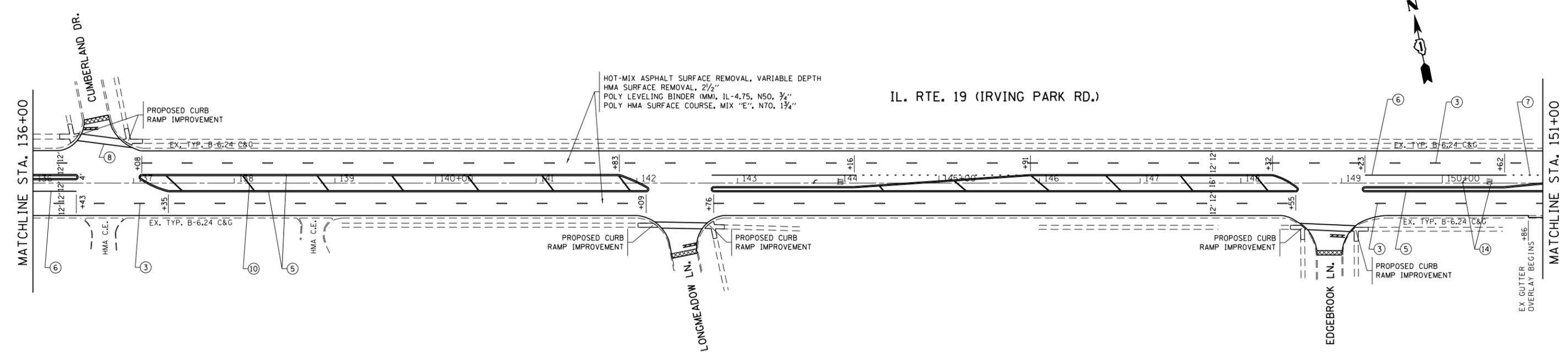
PROPOSED PAVEMENT MARKINGS LEGEND

- | | | |
|--|--|--|
| ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.) | ⑥ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.) | ⑪ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.) | ⑦ THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.) | ⑫ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ③ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.) | ⑧ THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.) | ⑬ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.) |
| ④ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW TYP.) | ⑨ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.) | ⑭ THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.) |
| ⑤ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.) | ⑩ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑮ RAISED REFLECTIVE PVMT. MARKER (TYP) |

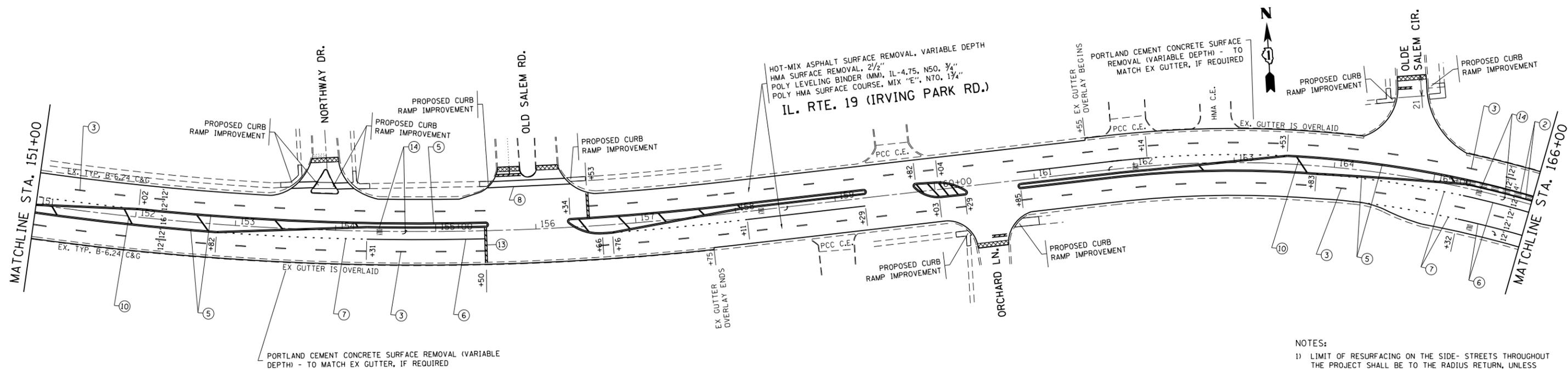
- NOTES:**
- LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
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 - ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

ROADWAY LEGEND

☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD. TO 0.1-mi SE OF WISE RD ROADWAY AND PAVEMENT MARKING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLLOT DATE = 12/15/2016	DATE -	REVISED -			CONTRACT NO. 62D11				
						ILLINOIS FED. AID PROJECT				



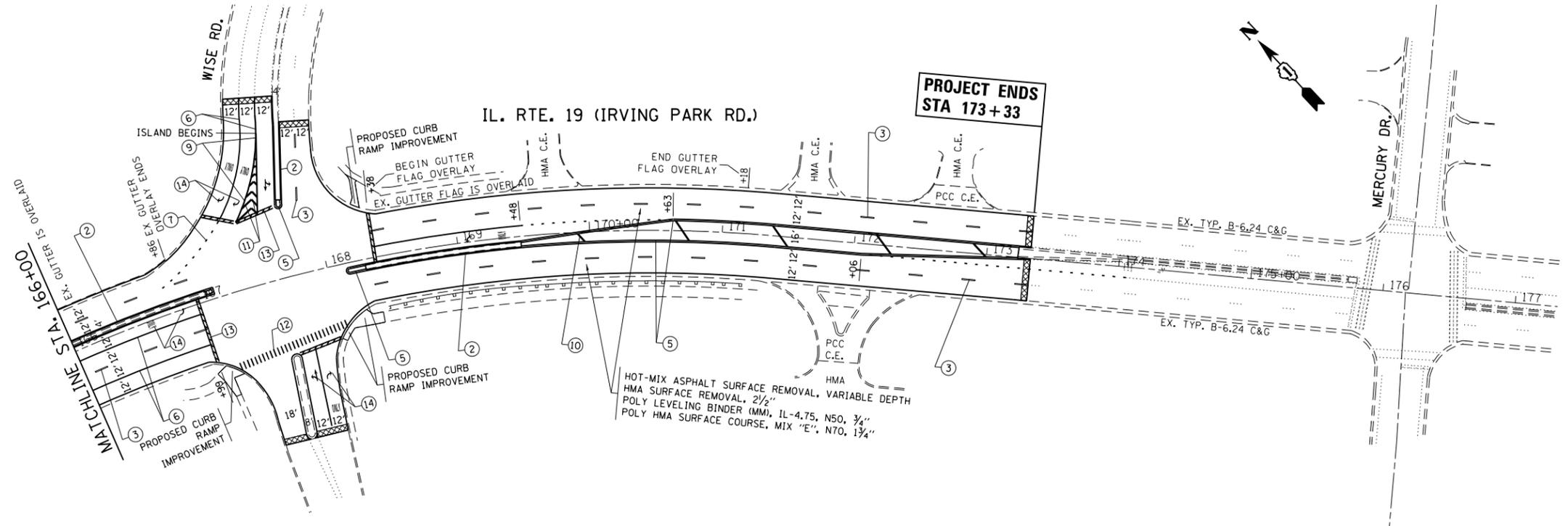
PROPOSED PAVEMENT MARKINGS LEGEND

- | | | |
|---|---|---|
| ① THERMOPLASTIC PVM. MARKING 4", LINE, WHITE (TYP.) | ⑥ THERMOPLASTIC PVM. MARKING 6", LINE, WHITE (TYP.) | ⑪ THERMOPLASTIC PVM. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ② THERMOPLASTIC PVM. MARKING 4", LINE, YELLOW (TYP.) | ⑦ THERMOPLASTIC PVM. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.) | ⑫ THERMOPLASTIC PVM. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ③ THERMOPLASTIC PVM. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.) | ⑧ THERMOPLASTIC PVM. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.) | ⑬ THERMOPLASTIC PVM. MARKING 24", STOP BAR, WHITE (TYP.) |
| ④ THERMOPLASTIC PVM. MARKING 4", 10' LINE - 30' SPACE, YELLOW TYP.) | ⑨ THERMOPLASTIC PVM. MARKING 8", LINE, WHITE (TYP.) | ⑭ THERMOPLASTIC PVM. MARKING, LETTERS & SYMBOLS, WHITE (TYP.) |
| ⑤ THERMOPLASTIC PVM. MARKING 4", DOUBLE YELLOW (TYP.) | ⑩ THERMOPLASTIC PVM. MARKING 12", DIAGONALS, YELLOW (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑮ RAISED REFLECTIVE PVM. MARKER (TYP.) |

- NOTES:**
- LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
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ROADWAY LEGEND

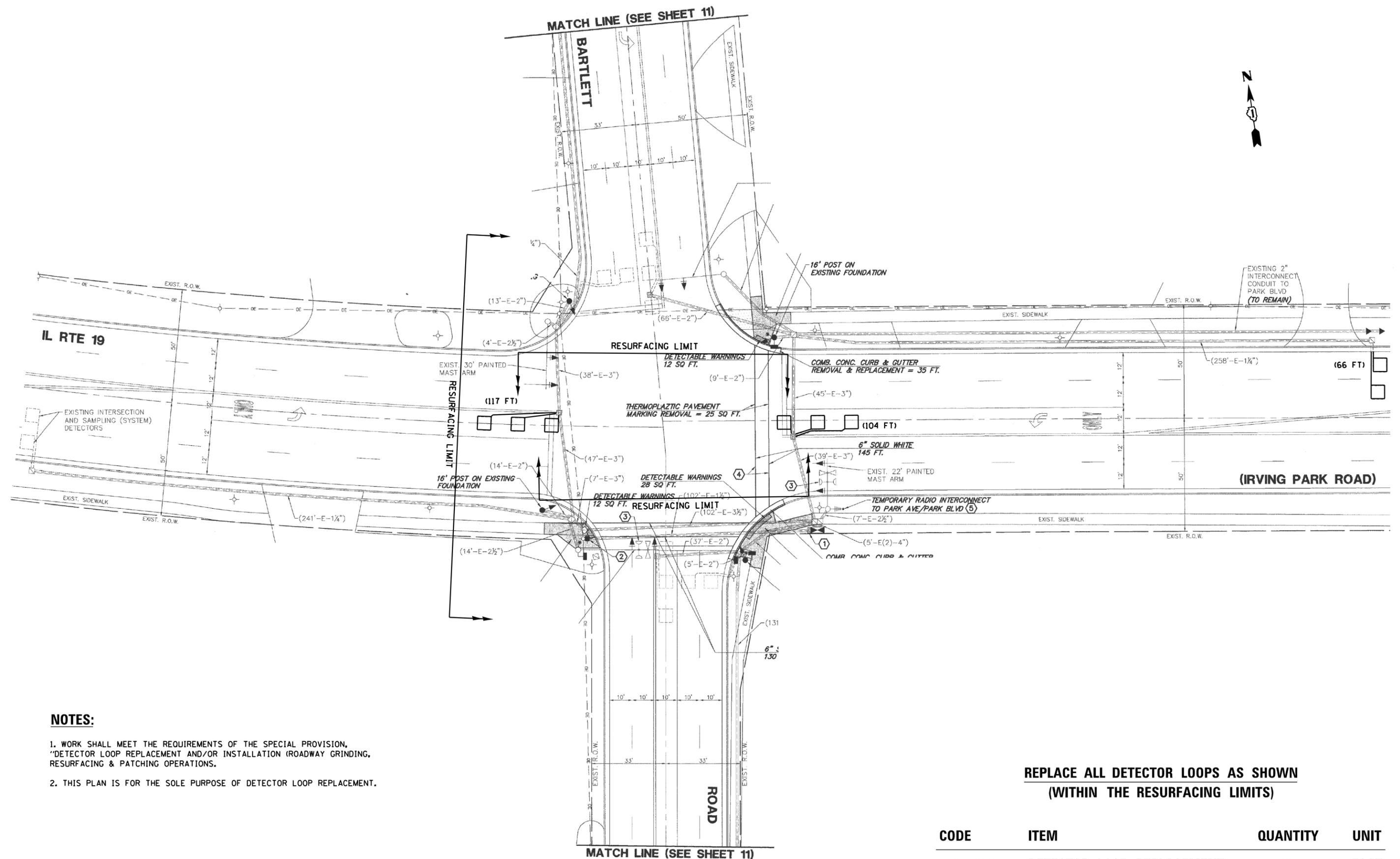
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD. TO 0.1-mi SE OF WISE RD ROADWAY AND PAVEMENT MARKING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default						ILLINOIS FED. AID PROJECT					

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FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) - BARTLETT RD TO 0.1-mi SE OF WISE RD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 12/22/2016	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	287	FOOT

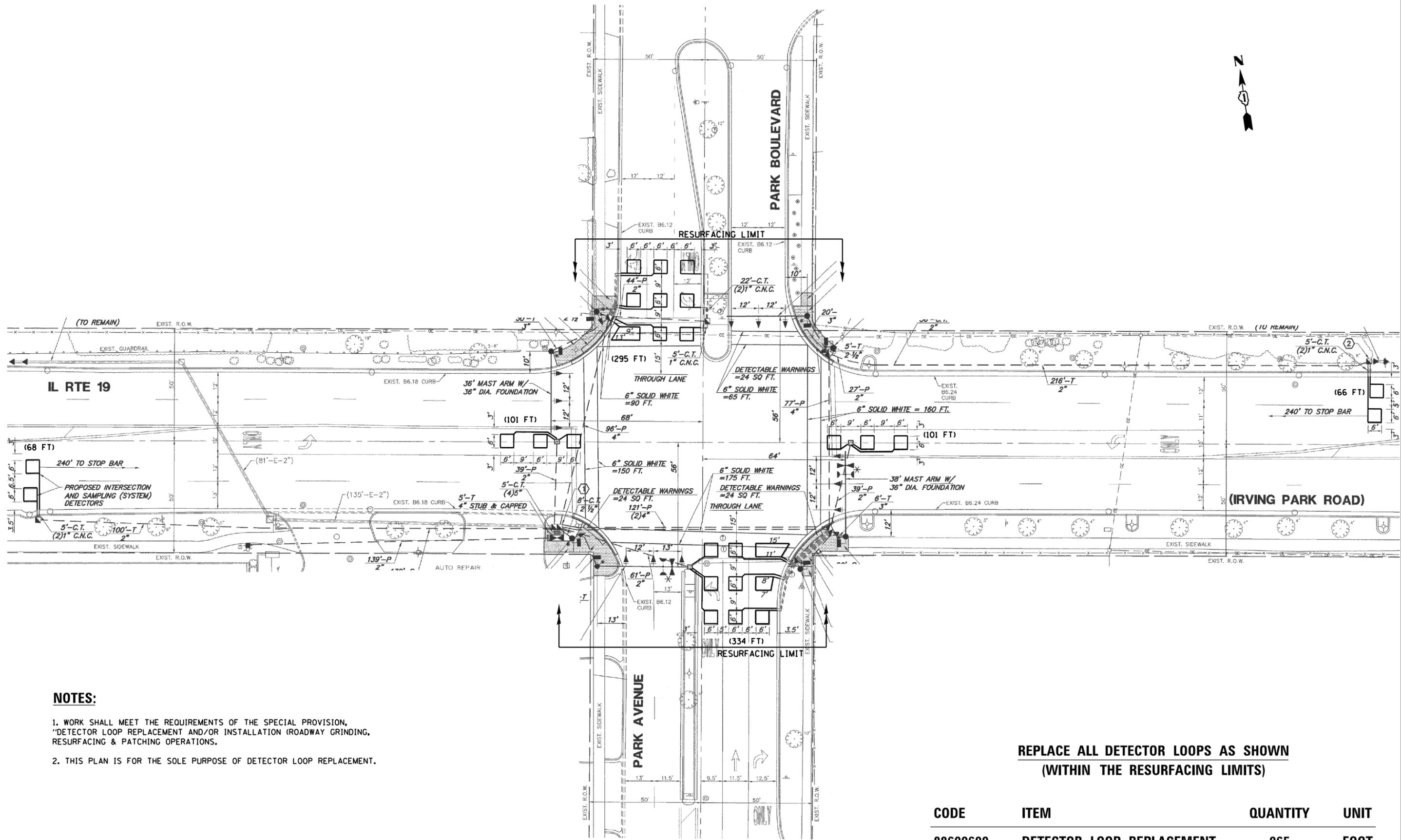
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT BARTLETT RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	18
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	965	FOOT

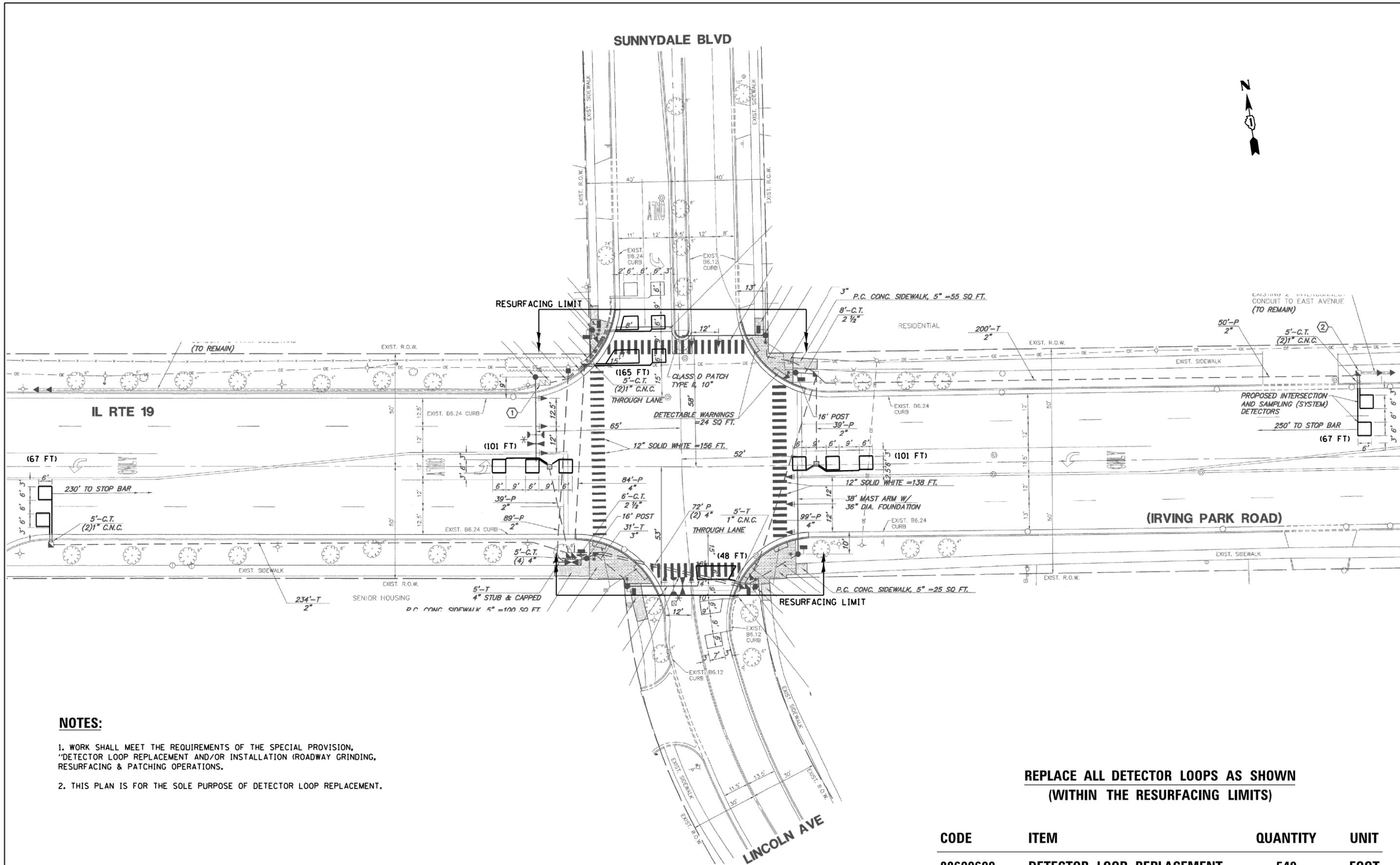
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT PARK BLVD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	19
			CONTRACT NO. 62D11	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	549	FOOT

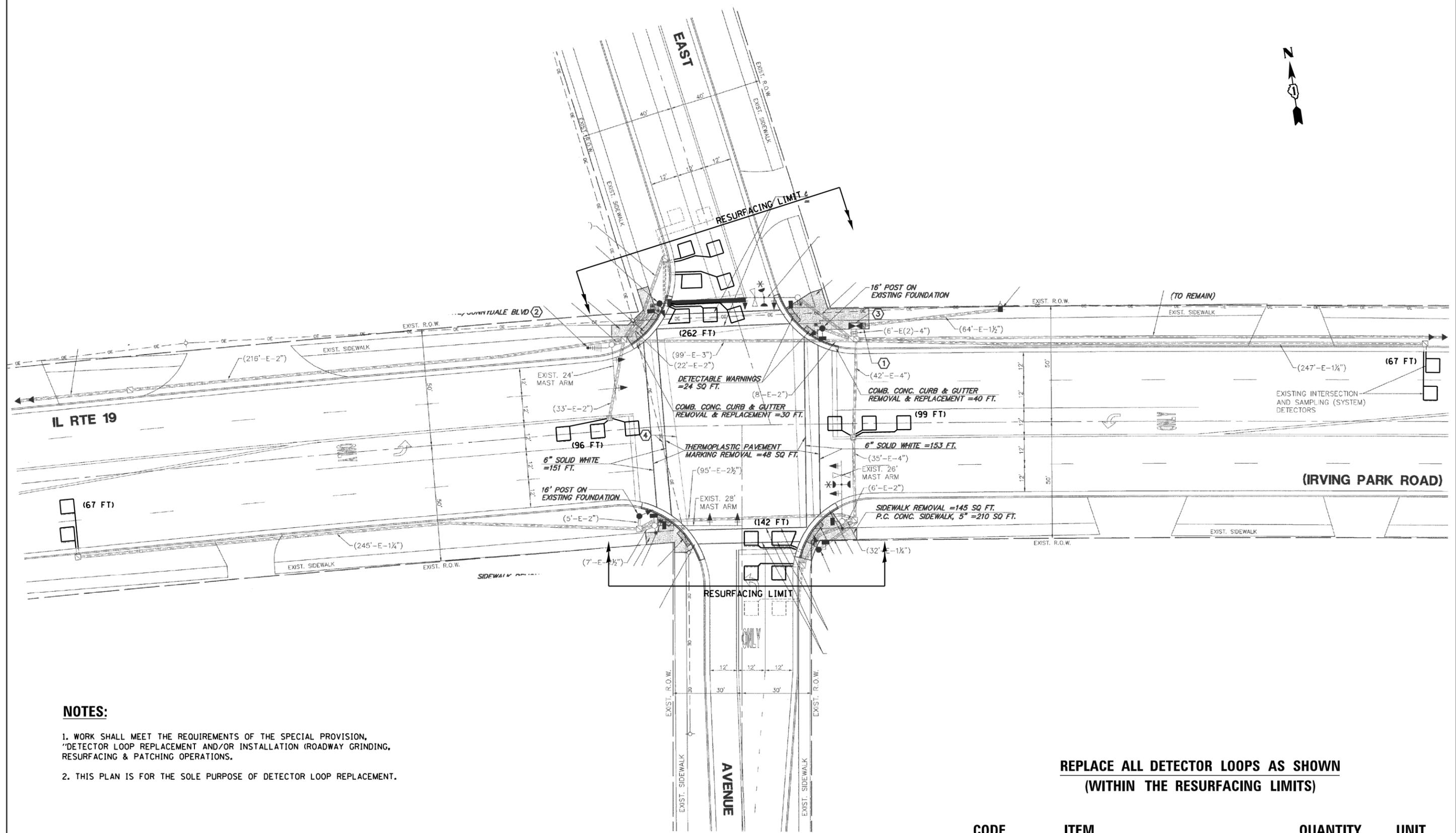
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Default	PLOT SCALE = 40.0000' / in.		
	PLOT DATE = 10/24/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT SUNNYDALE BLVD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D11	



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	733	FOOT

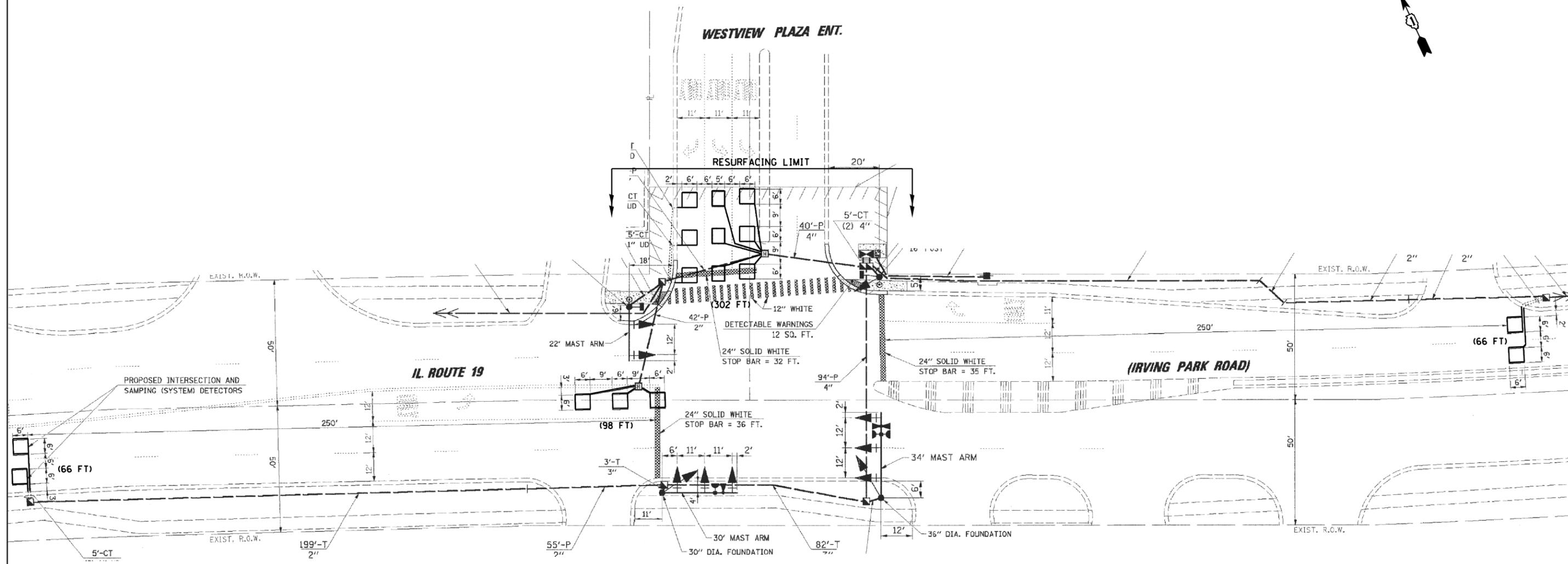
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Default	PLOT DATE = 10/24/2016	DATE - 8/15/2016	REVISI

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT EAST AVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	21
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	532	FOOT

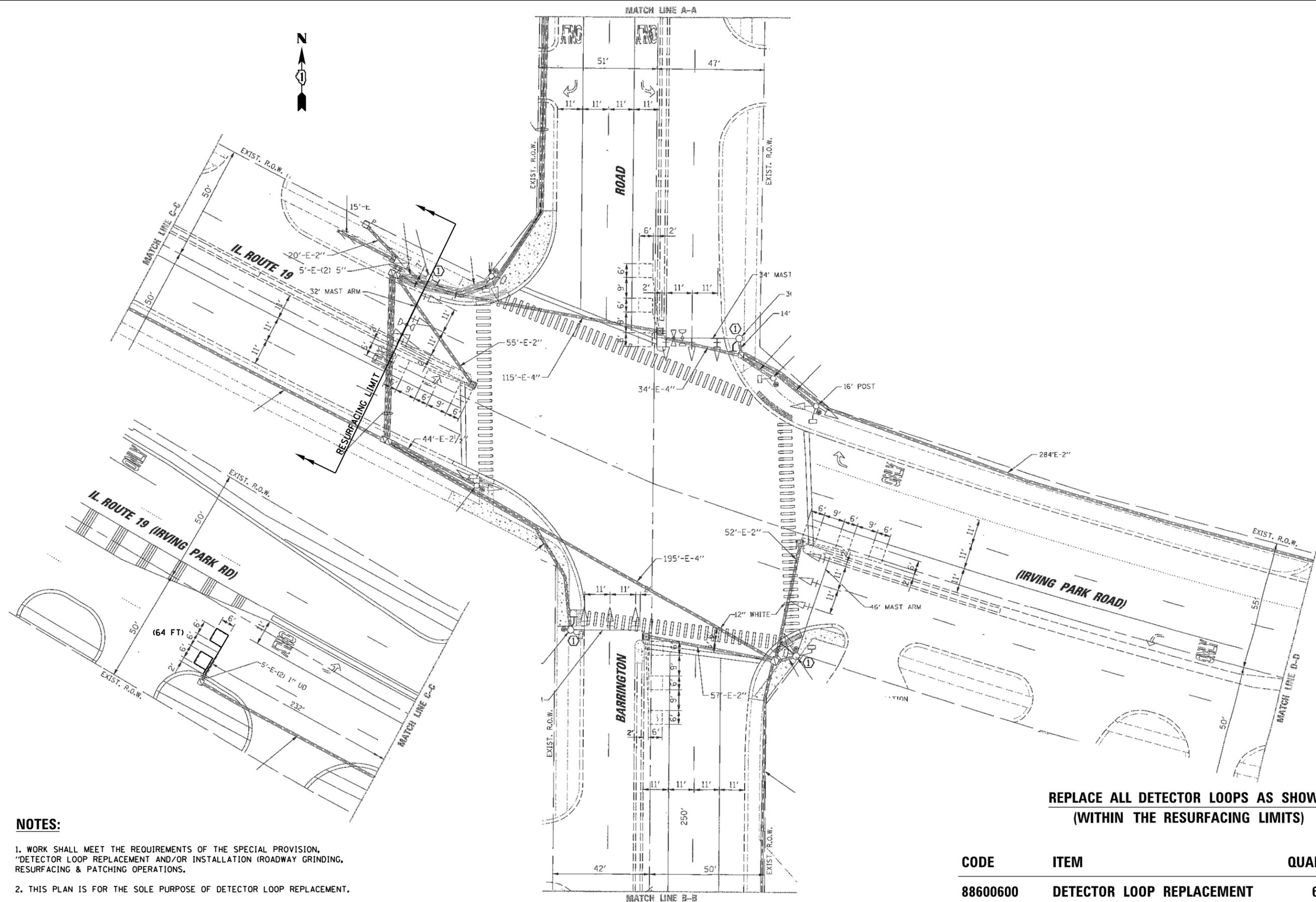
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Default	PLOT DATE = 10/24/2016	DATE - 8/15/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT WESTVIEW PLAZA ENTRANCE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	22
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



NOTES:

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

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

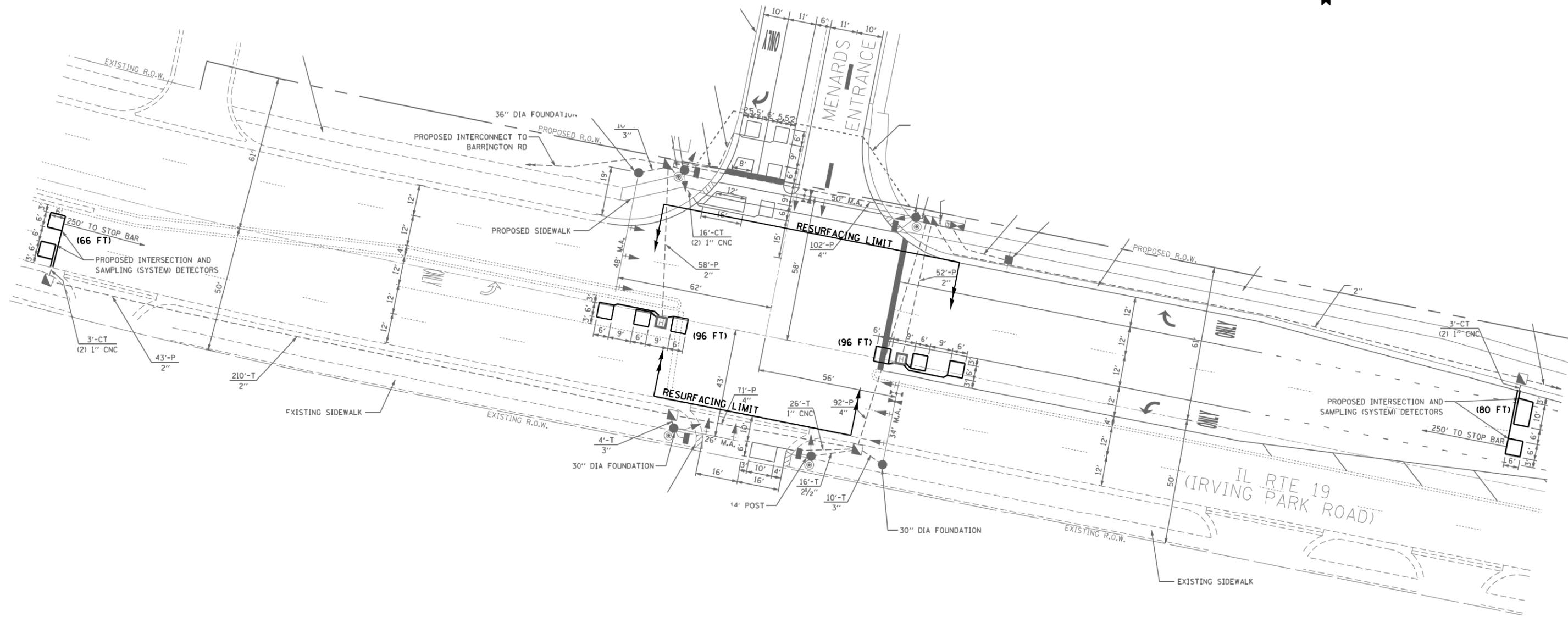
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88600600	DETECTOR LOOP REPLACEMENT	64	FOOT

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Default	PLOT DATE = 10/24/2016	DATE - 8/15/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
IL RTE 19 (IRVING PARK RD) AT BARRINGTON RD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	23
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	338	FOOT

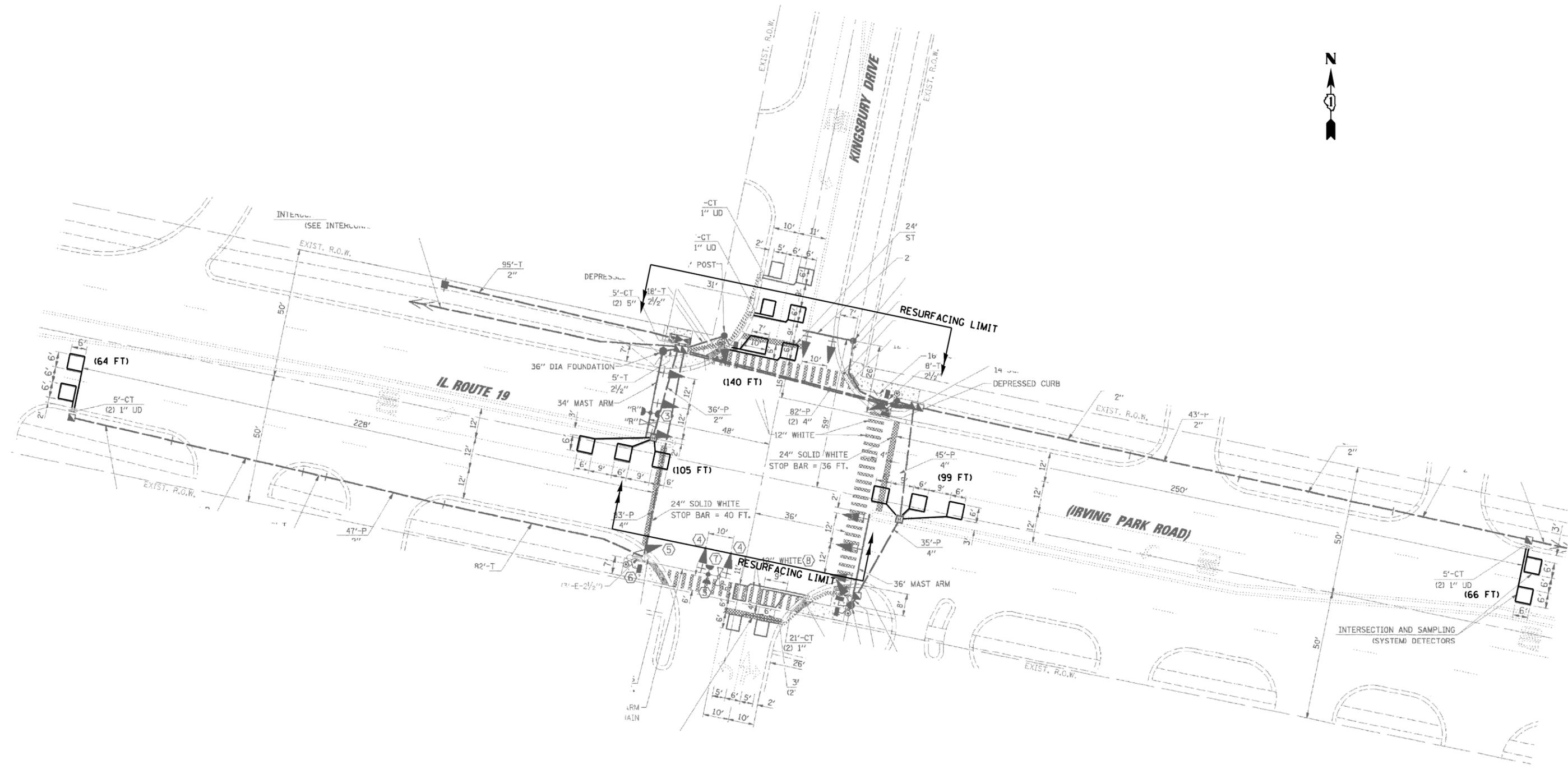
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Default	PLOT DATE = 10/24/2016	DATE - 8/15/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT MENARDS ENTRANCE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	24
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	474	FOOT

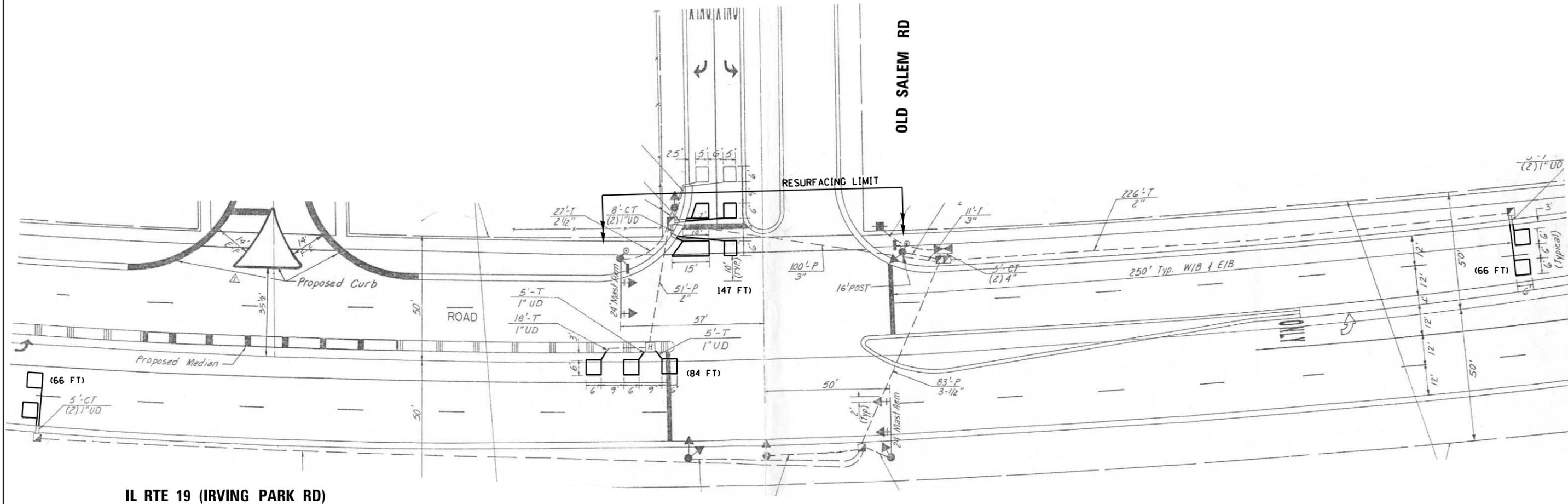
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Default	PLOT DATE = 10/24/2016	DATE - 8/15/2016	REVIS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT KINGSBURY DR**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	25
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				



IL RTE 19 (IRVING PARK RD)

NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	363	FOOT

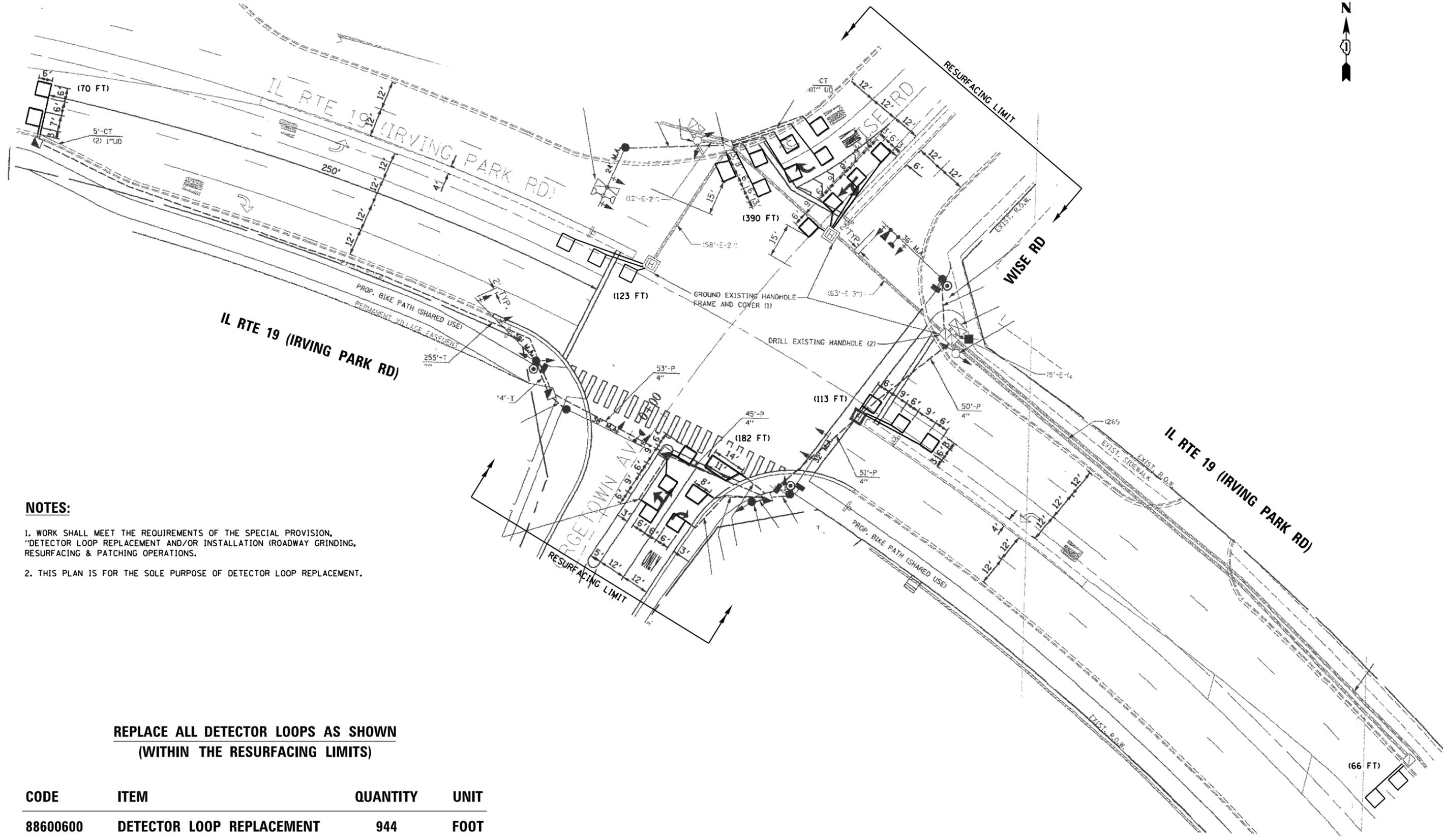
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Default	PLOT DATE = 10/24/2016	DATE - 8/15/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT OLDE SALEM RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	26
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	944	FOOT

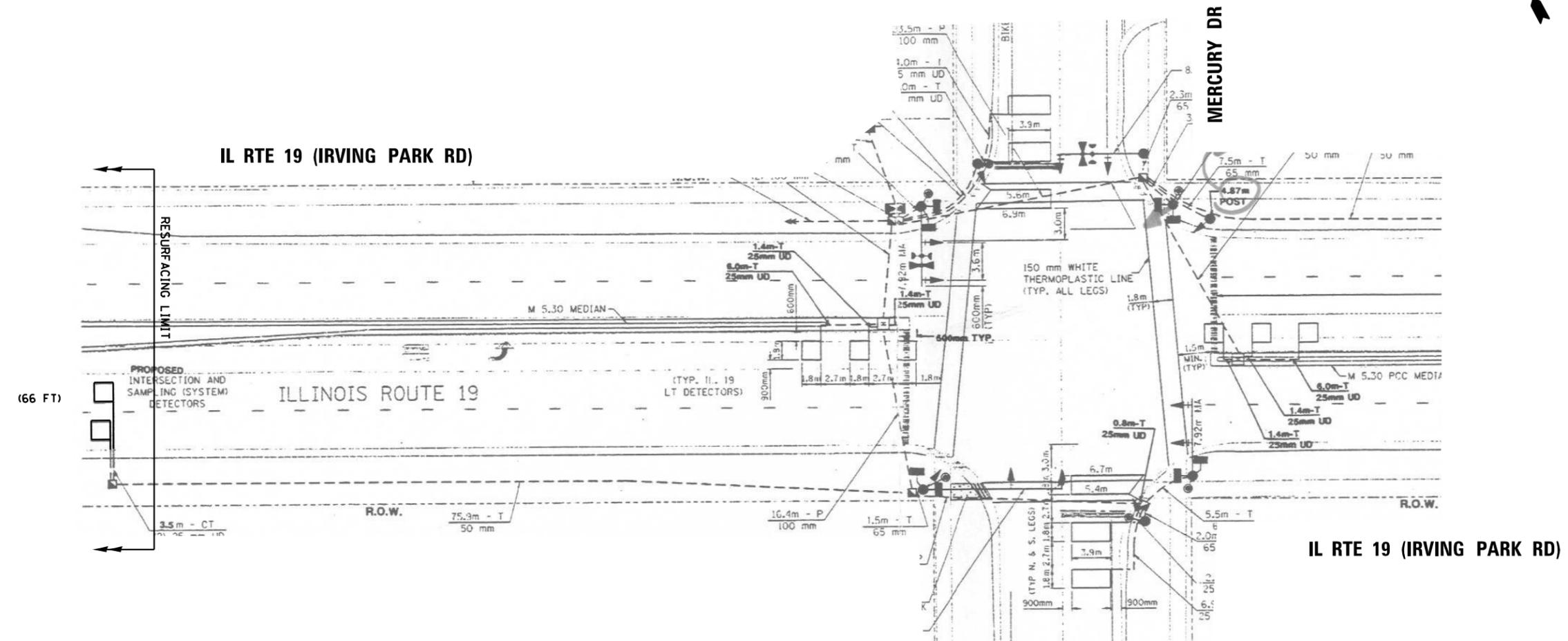
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Default	PLOT SCALE = 40.0000' / in.	DATE - 8/15/2016	REVIS
	PLOT DATE = 10/24/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK RD) AT WISE RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	27
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

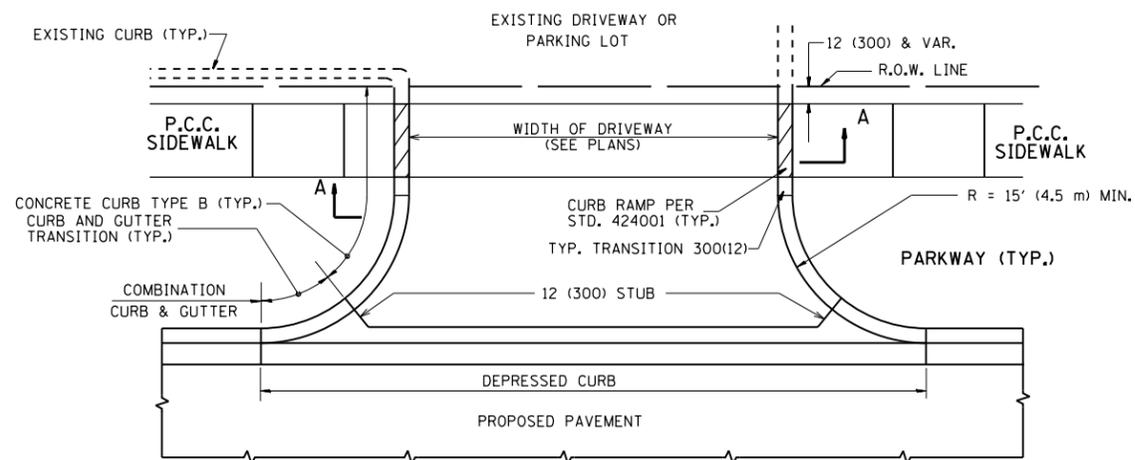
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88600600	DETECTOR LOOP REPLACEMENT	66	FOOT

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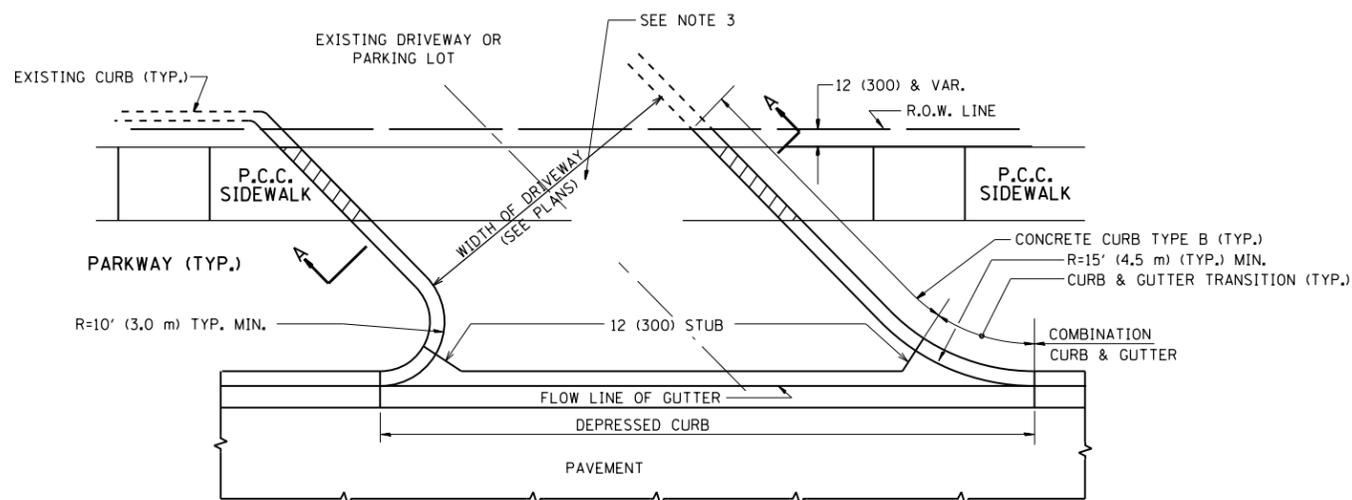
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
IL RTE 19 (IRVING PARK RD) AT MERCURY DR			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

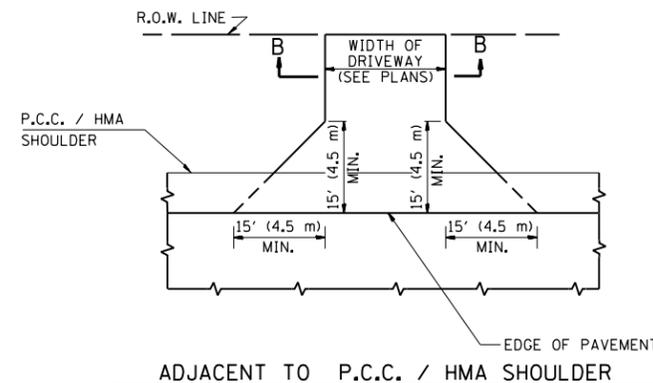
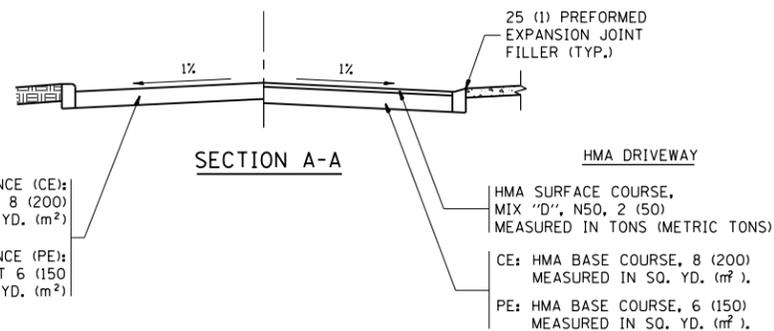
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	28
CONTRACT NO. 62D11				
ILLINOIS FED. AID PROJECT				



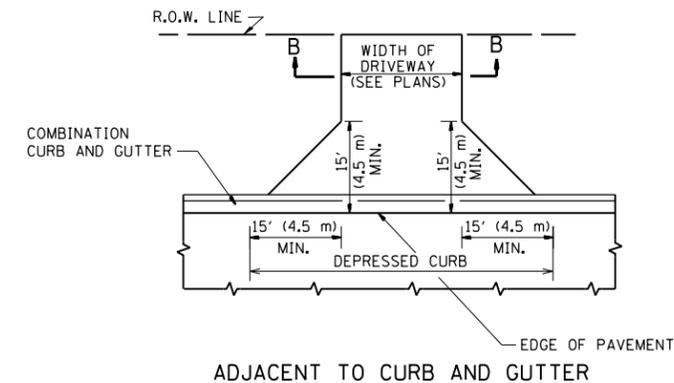
WITH CONCRETE CURB, TYPE B



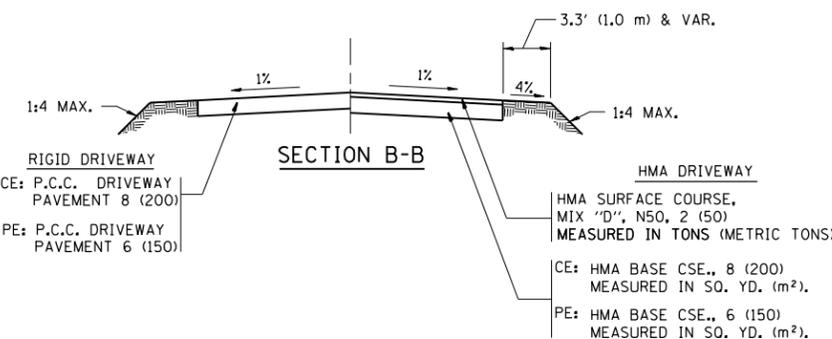
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

GENERAL NOTES:

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

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

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

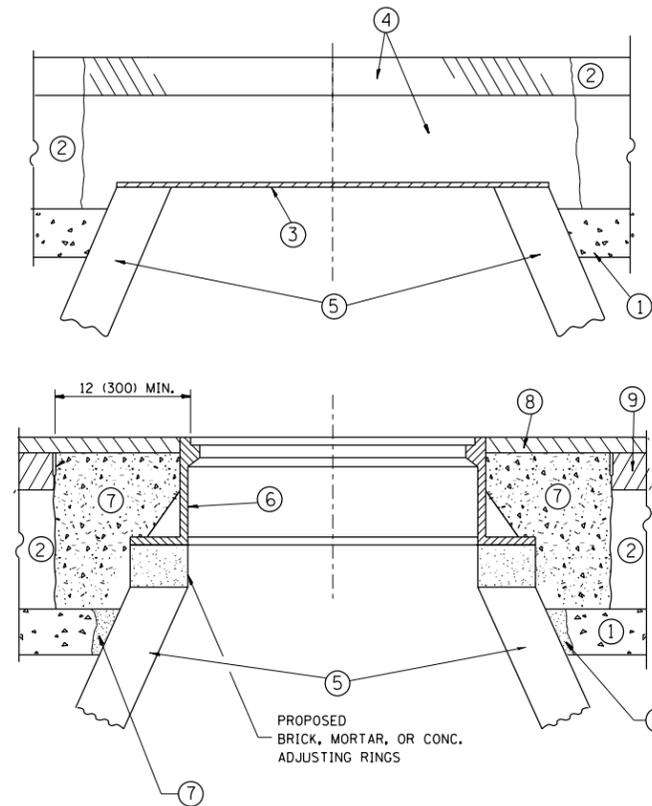
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	PLOT SCALE = 100.0000' / 1"	DATE - 11-04-95	REVISED - R. BORO 06-11-08
	PLOT DATE = 12/15/2016		REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	29
BD0156-07 (BD-01)			CONTRACT NO. 62D11	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

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-1* 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-1* 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:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

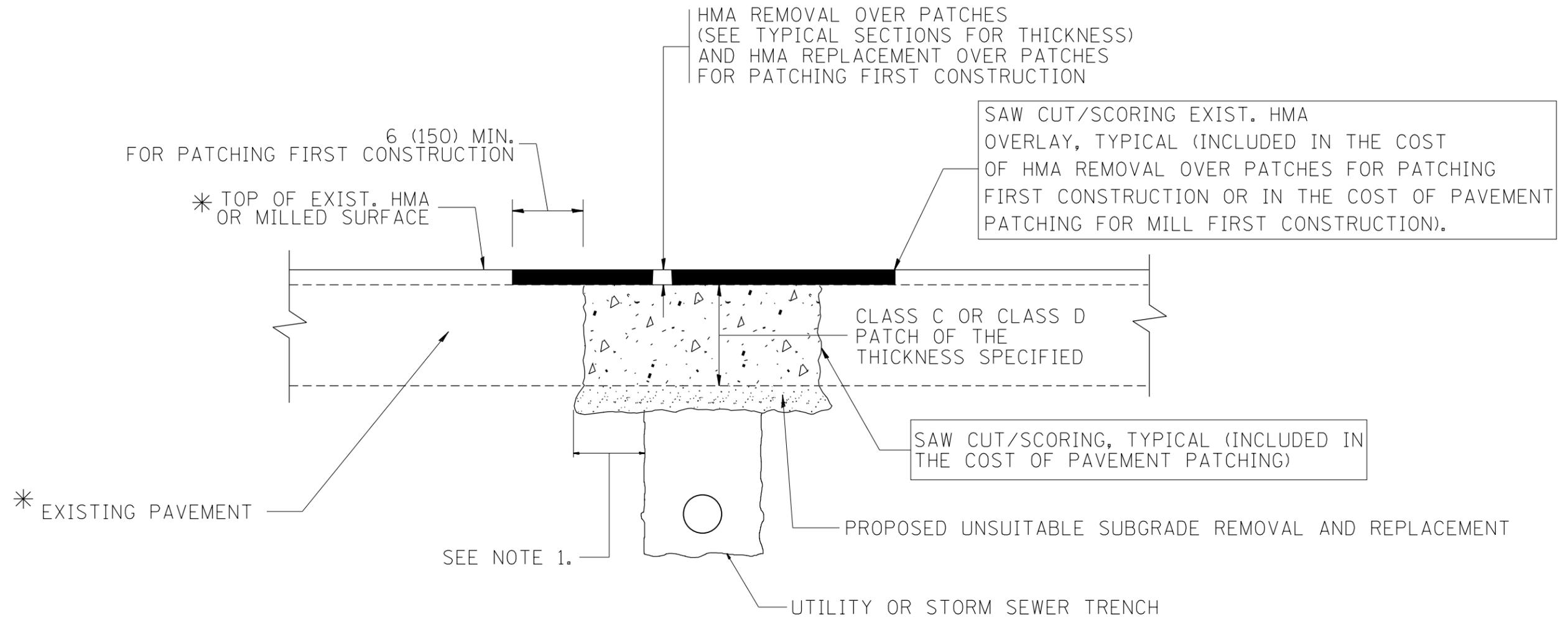
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
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	PLOT DATE = 12/15/2016	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	30
BD600-03 (BD-8)		CONTRACT NO.	62D11	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\1429\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					1321	0711-RS-3	COOK	41	31
	PLOT DATE = 12/15/2016	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62D11				
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 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.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

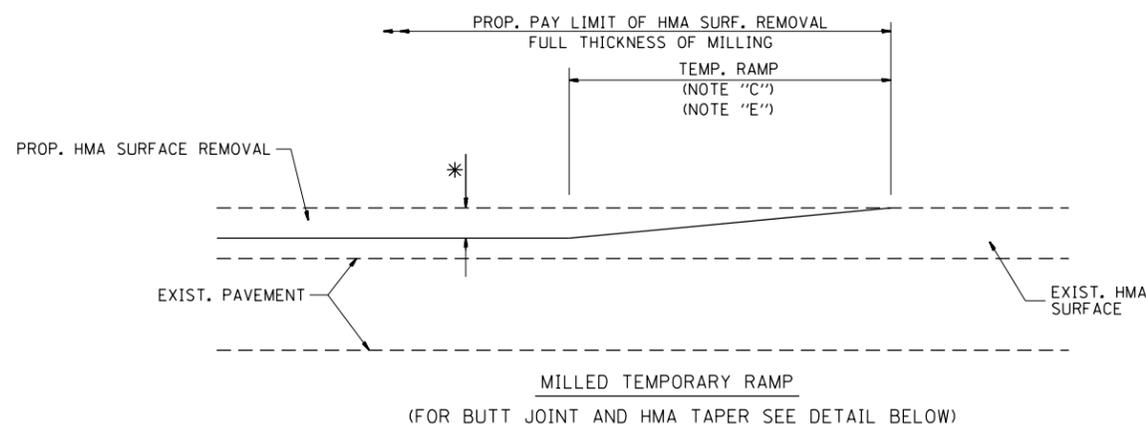
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

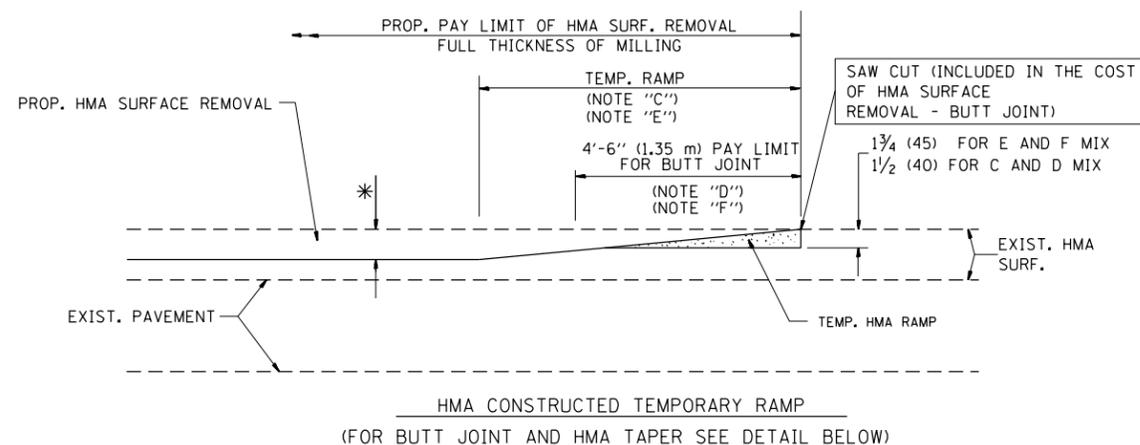
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/15/2016	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 12-15-09		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			BD600-06 (BD-24)		CONTRACT NO. 62D11		
										FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

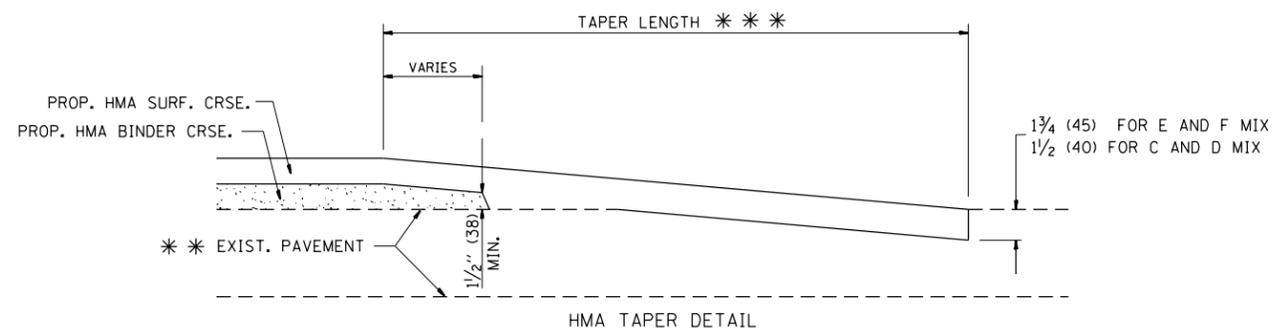
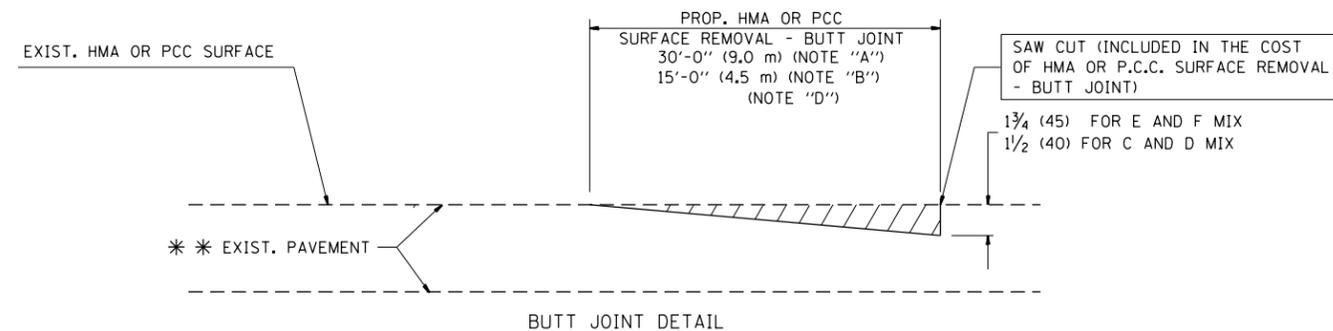


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

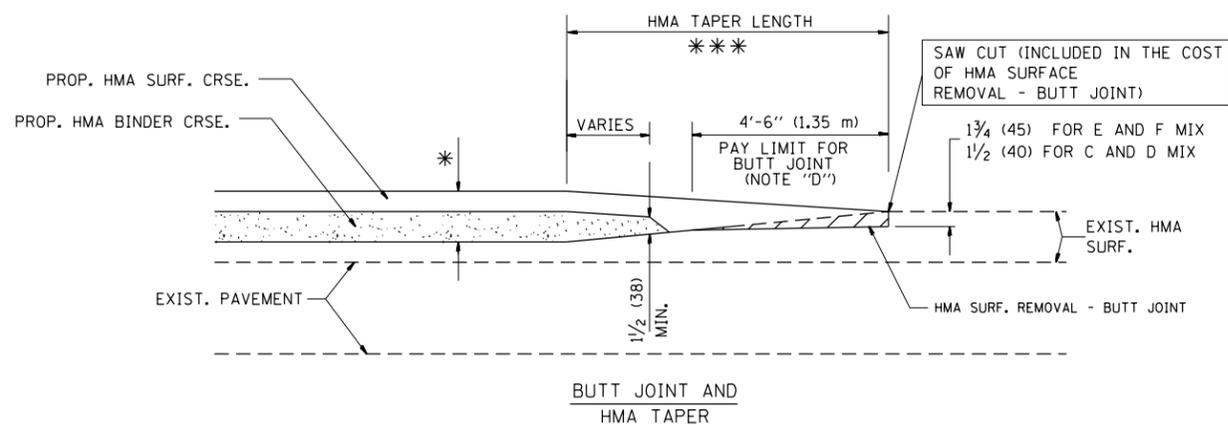
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 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:

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".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

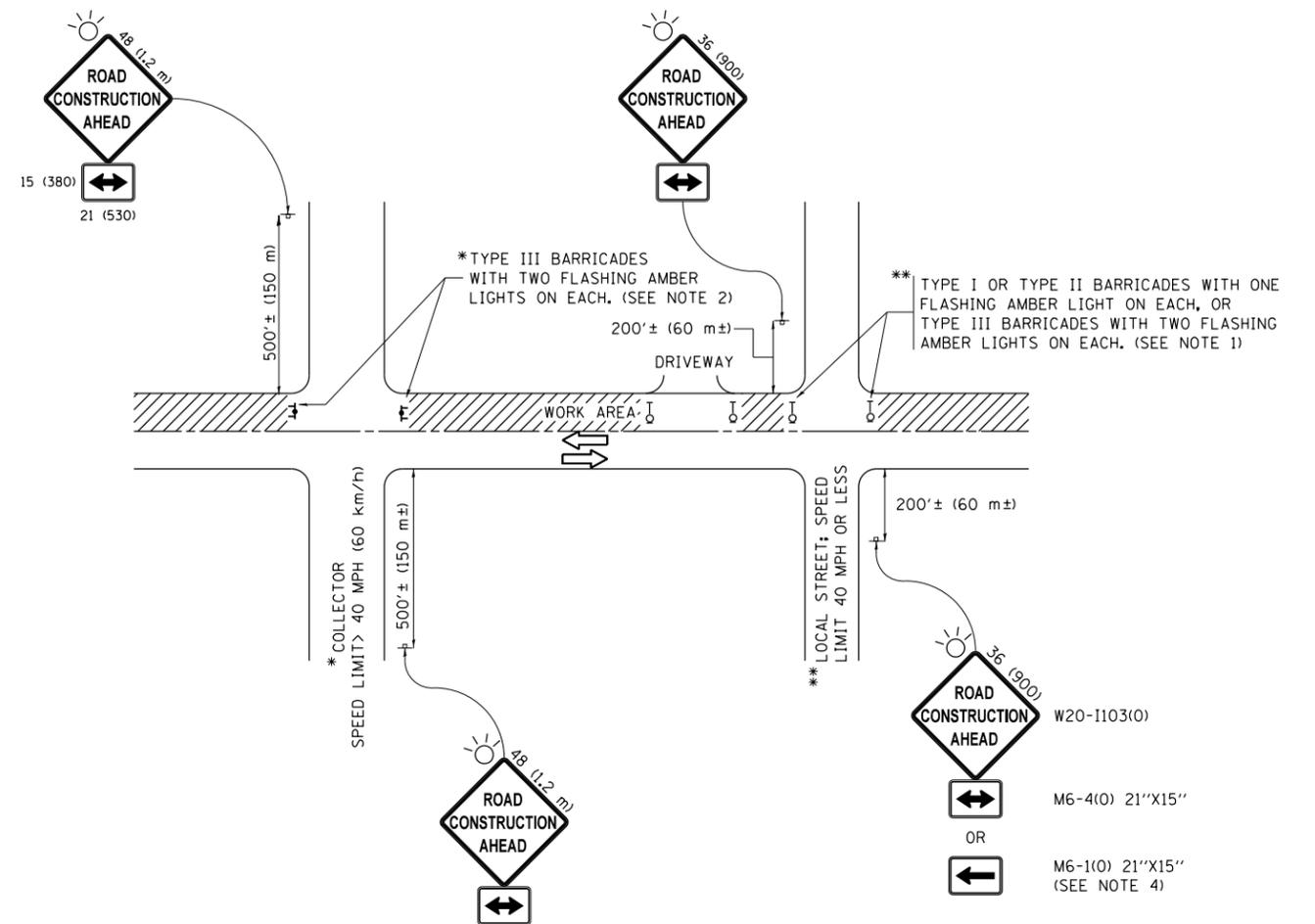
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	PLOT DATE = 12/15/2016	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	33
BD400-05 BD32		CONTRACT NO. 62D11		
FED. ROAD DIST. NO. 1 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.

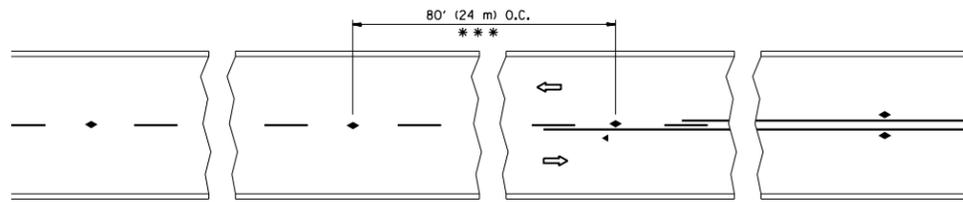
FILE NAME =	USER NAME = Velichkovv	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\01429\Drawings\Design\Diststd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 12/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

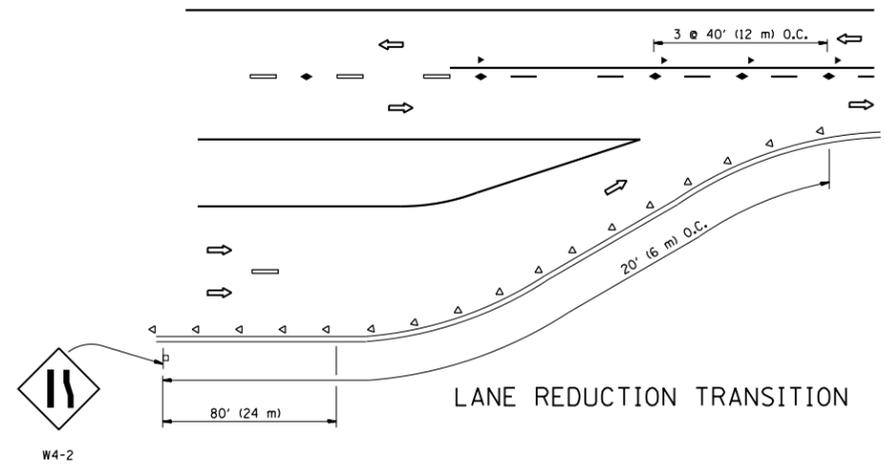
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62D11	
ILLINOIS FED. AID PROJECT				

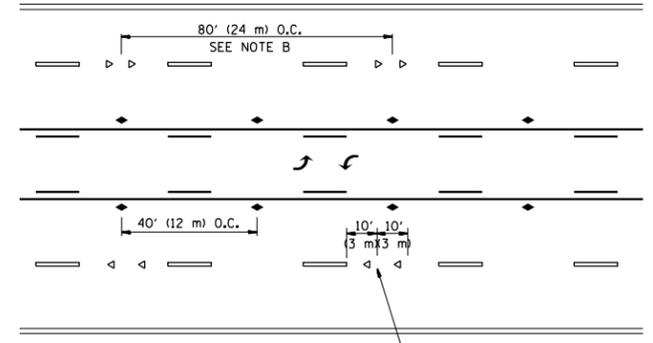


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

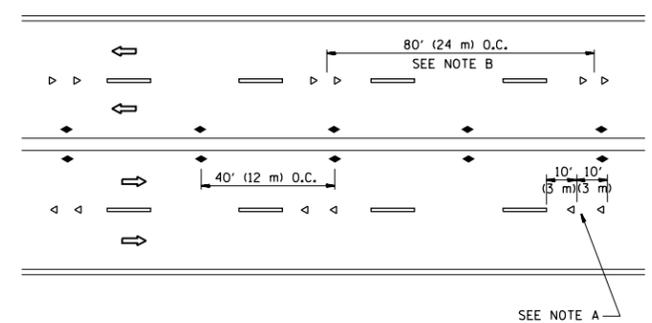
TWO-LANE/TWO-WAY



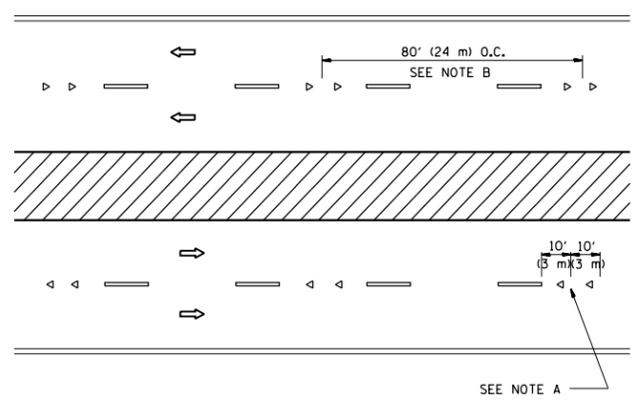
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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.

SYMBOLS

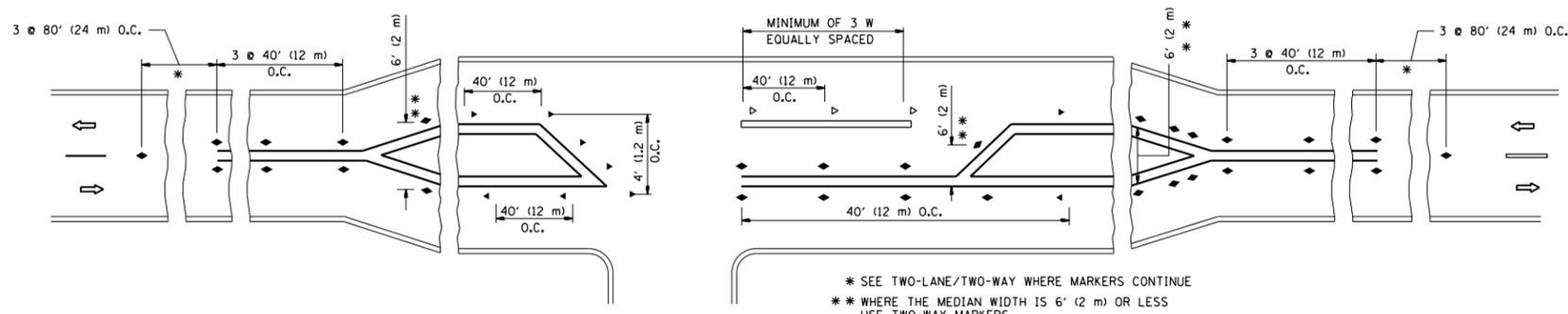
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

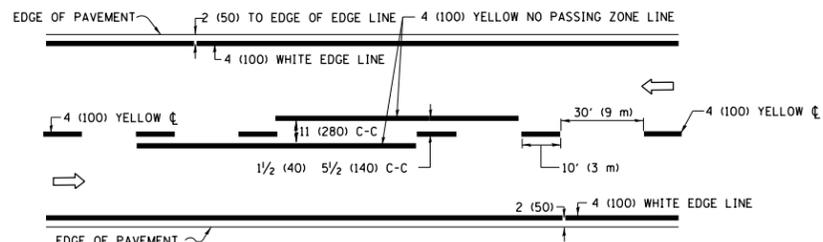


LEFT TURN

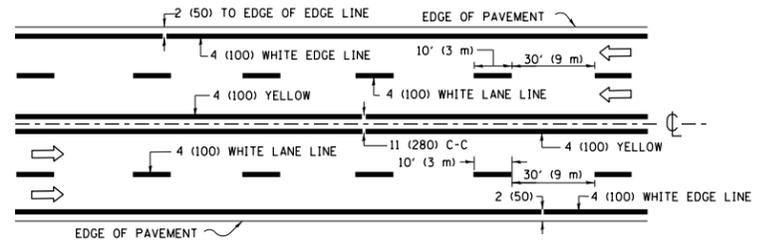
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

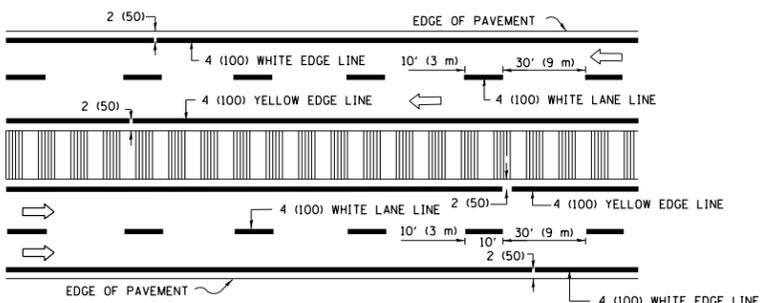
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI429\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					1321	0711-RS-3	COOK	41	35	
PLOT DATE = 12/15/2016	DATE -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		TC-11			CONTRACT NO. 62D11					
					SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



2-LANE ROADWAY

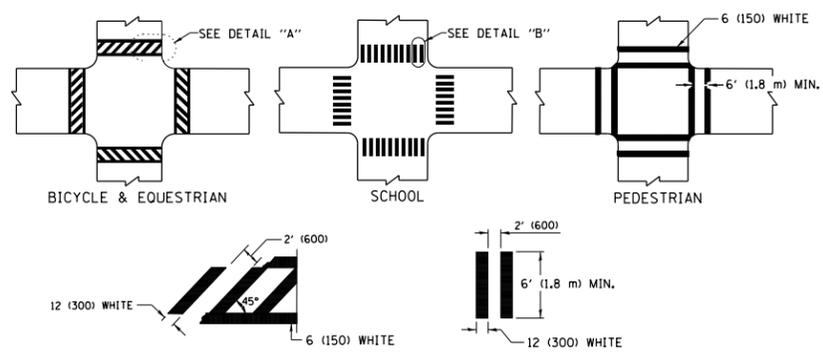


MULTI-LANE UNDIVIDED



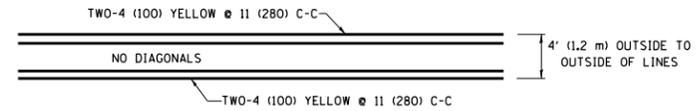
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

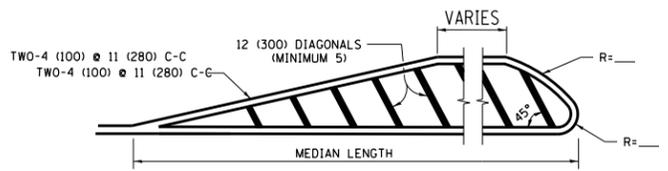


TYPICAL CROSSWALK MARKING

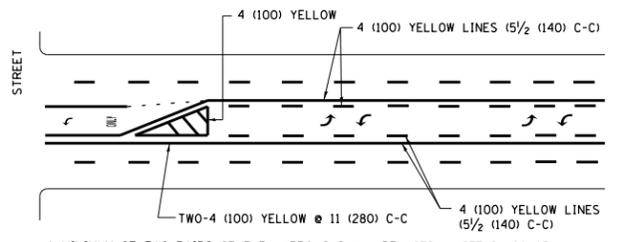
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



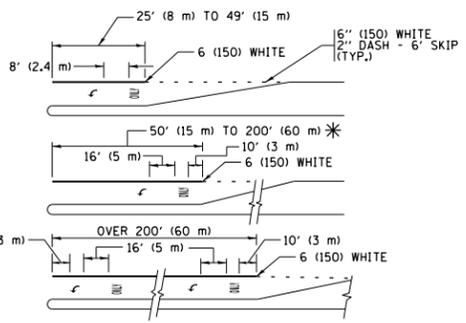
4' (1.2 m) WIDE MEDIANS ONLY



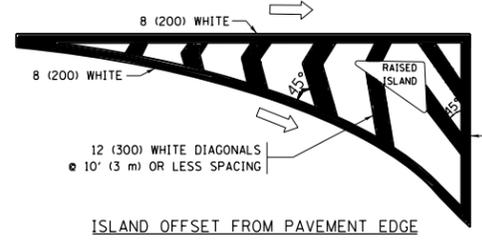
MEDIANS OVER 4' (1.2 m) WIDE



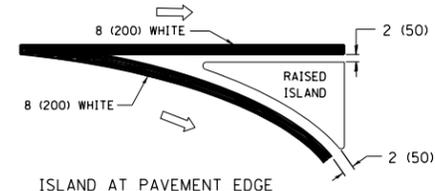
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



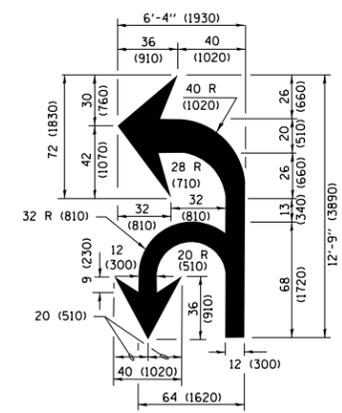
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



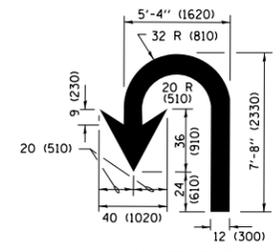
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (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; 5 1/2 (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' (22.5 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.

FILE NAME =	USER NAME = Velichkovv	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\illinois.gov\PIWIDT\Documents\DOT Offices\District 1\Projects\01429\Drawings\Design\Diststd.dgn			REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 12/15/2016	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.
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F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	36
TC-13		CONTRACT NO.	62D11	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

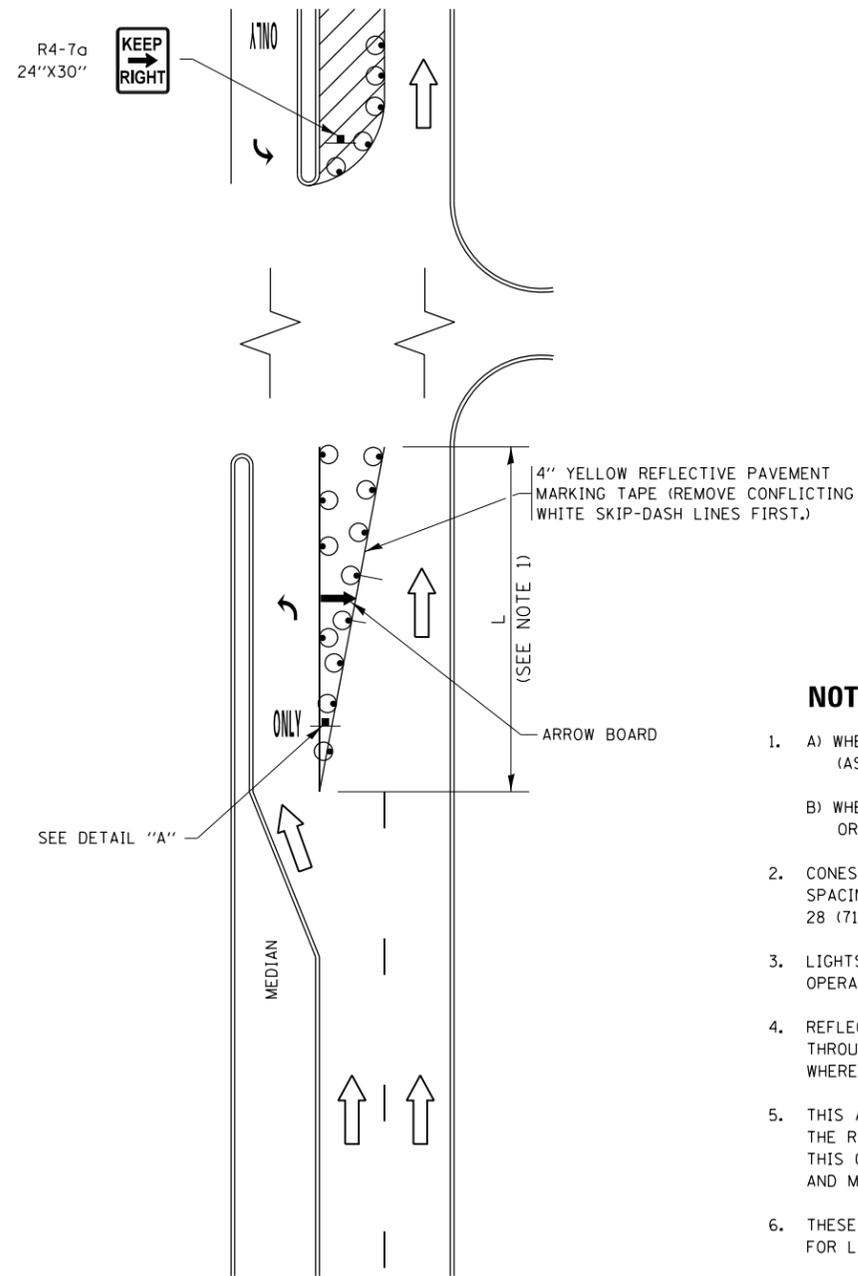


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

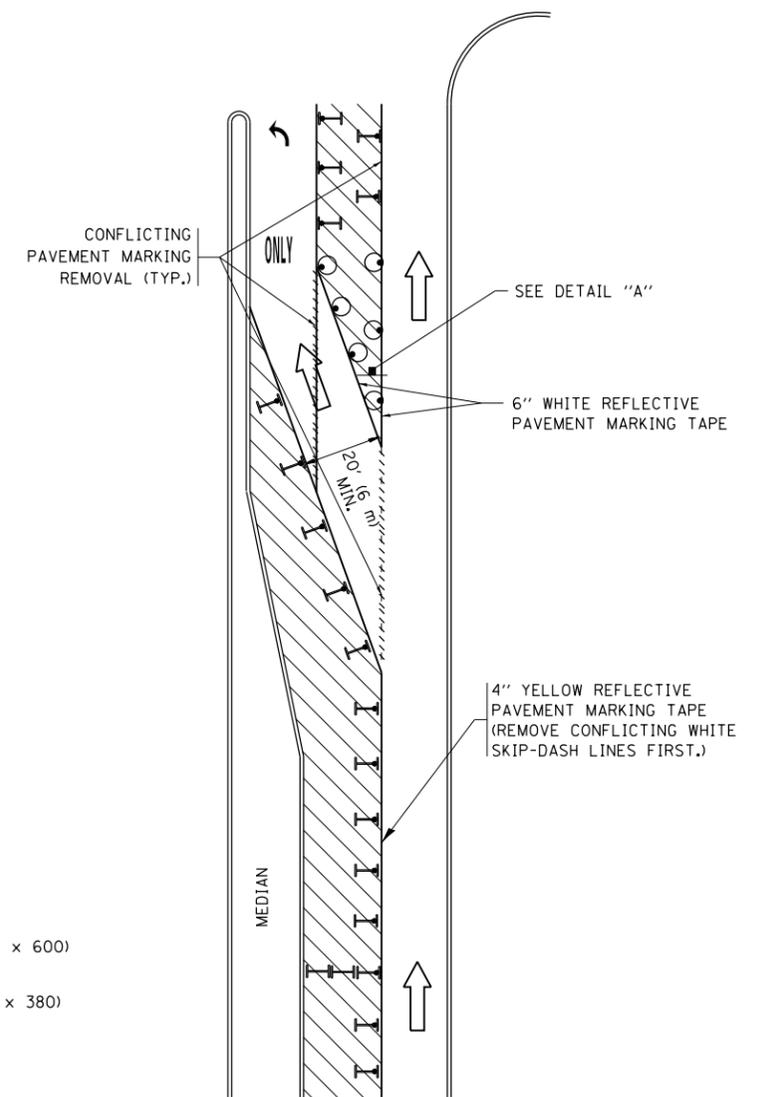
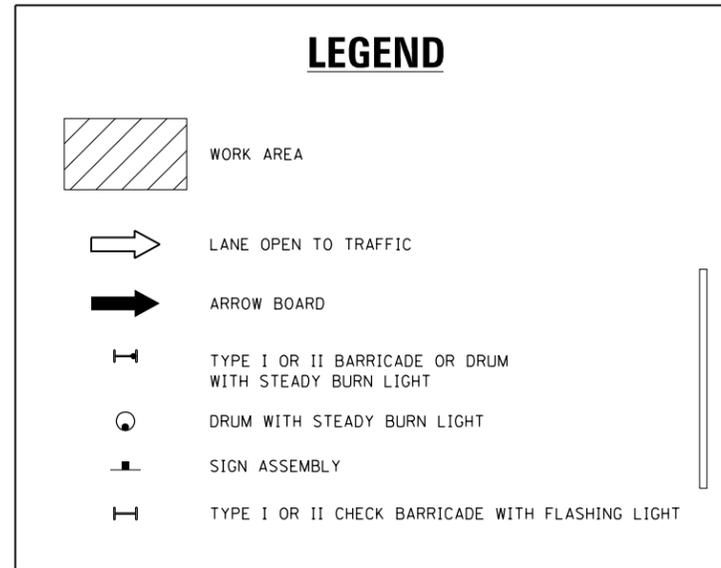
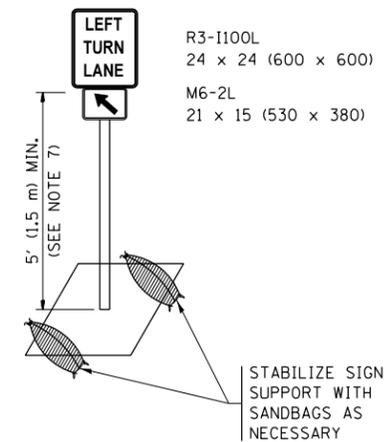


FIGURE 2



NOTES:

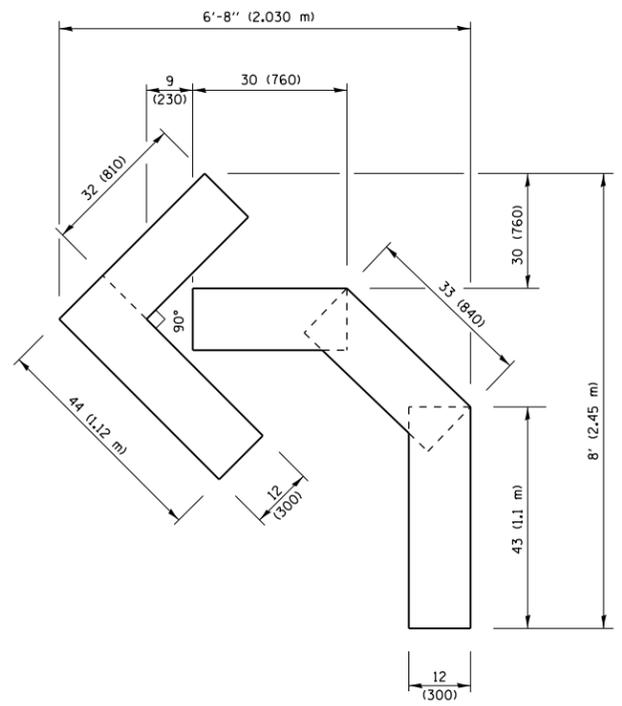
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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" R3-1100R 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.



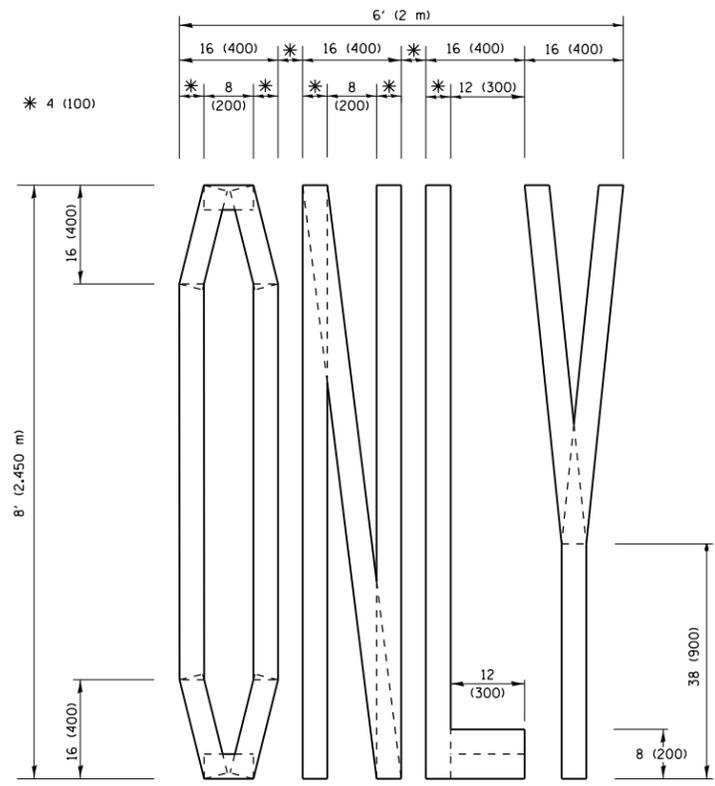
DETAIL A

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

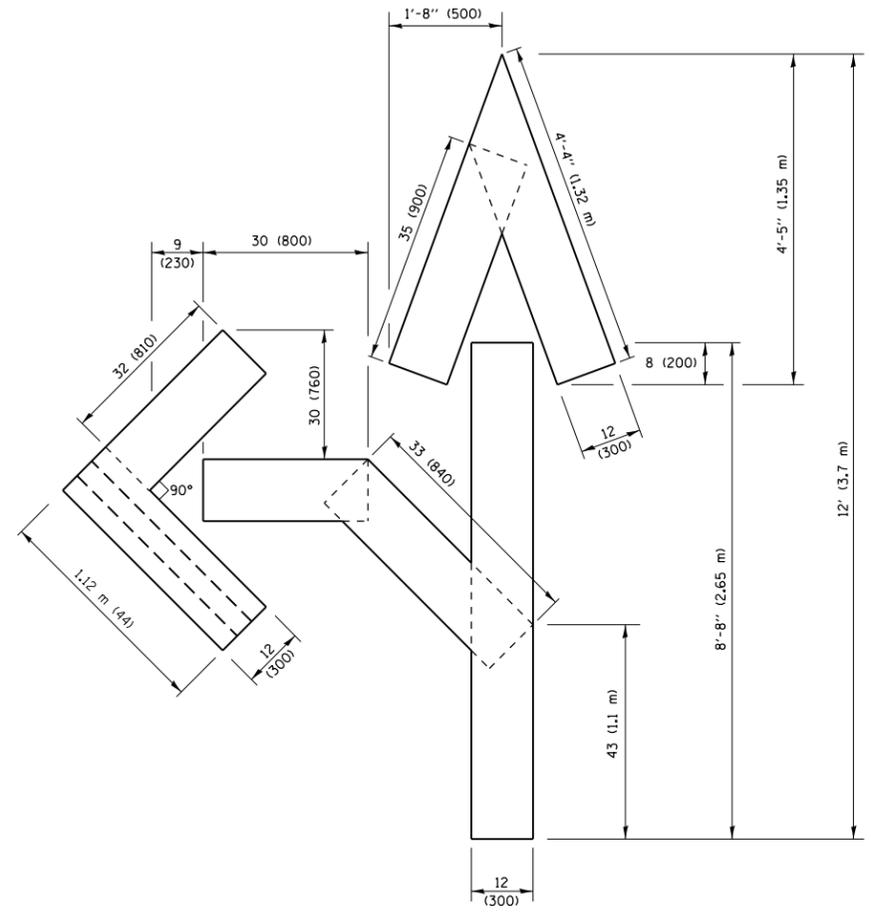
FILE NAME =	USER NAME = Velichkovv	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\01429\REVISED Design\HOUSEH 11-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			1321	0711-RS-3	COOK	41	37
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62D11		
	PLOT DATE = 12/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.



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

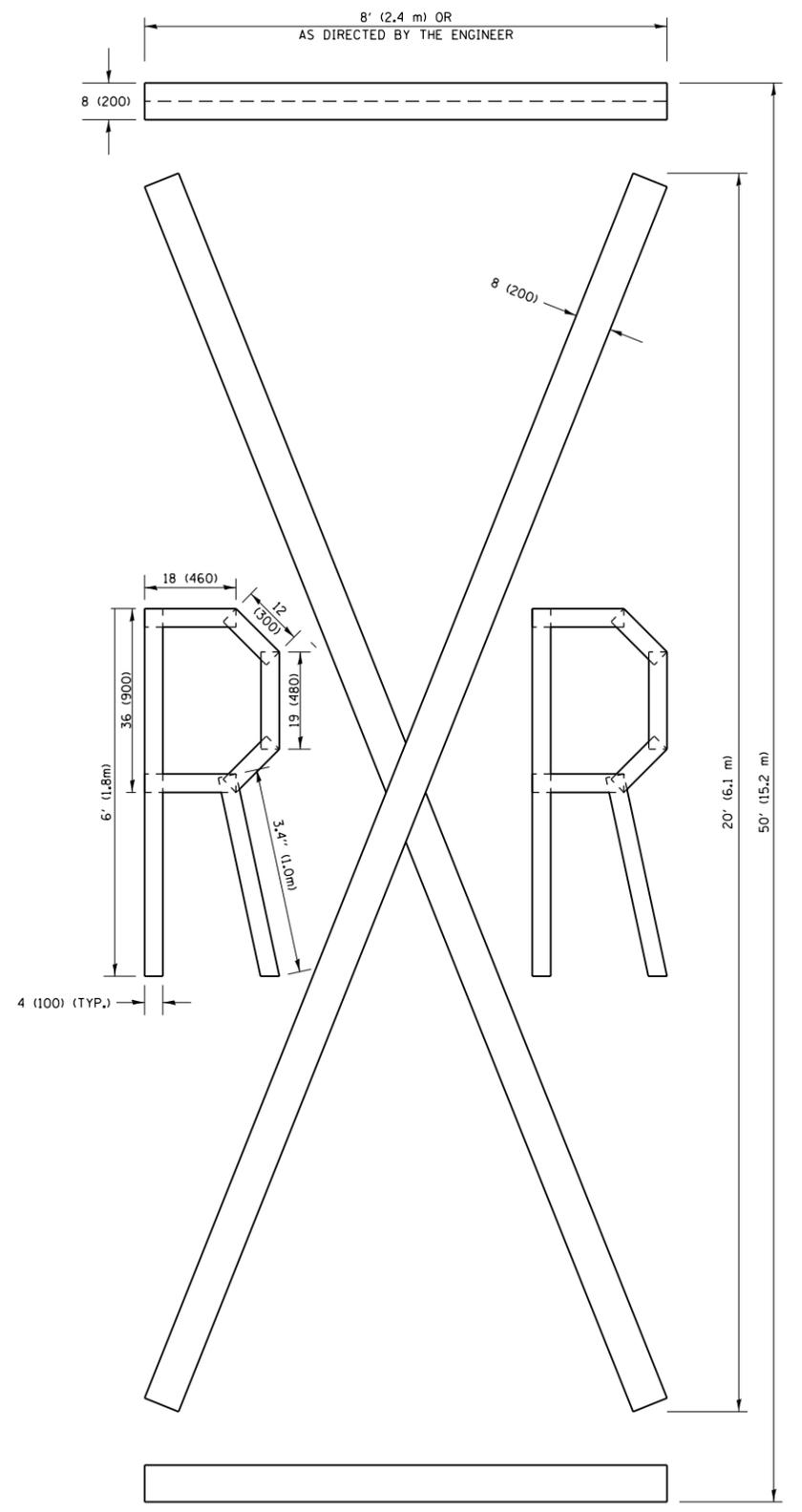


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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)

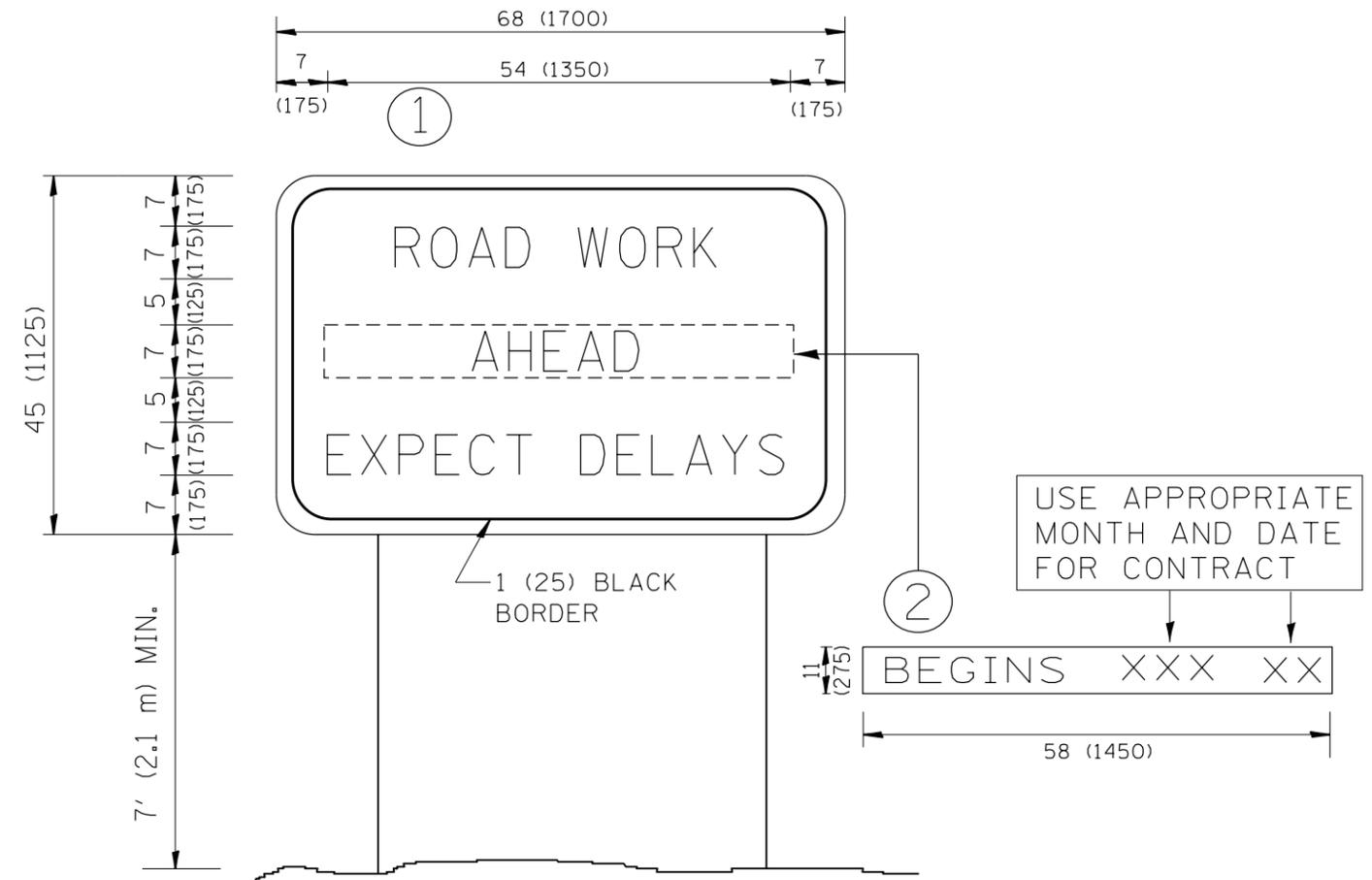
All dimensions are in inches (millimeters)
 unless otherwise shown.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01429\Drawings\Design\Diststd.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE -	REVISED -E. GOMEZ 08-28-00
			REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	38
TC-16		CONTRACT NO. 62D11		
FED. ROAD DIST. NO. 1 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.

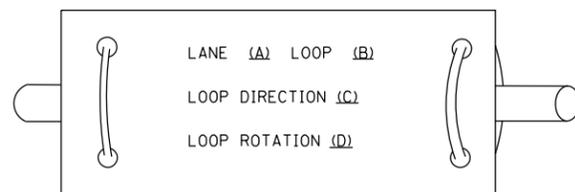
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\1429\Drawings\Design\Diststd.dgn			REVISED - R. MIRS 12-11-97			1321	0711-RS-3	COOK	41	39
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22		CONTRACT NO. 62D11		
	PLOT DATE = 12/15/2016	DATE -	REVISED - C. JUCIUS 01-31-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

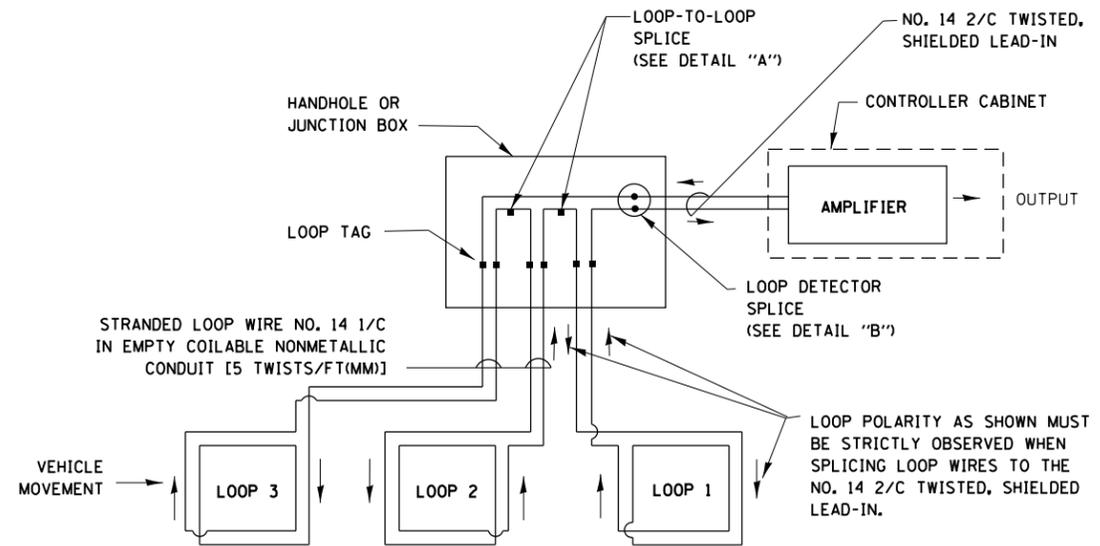
LOOP DETECTOR NOTES

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

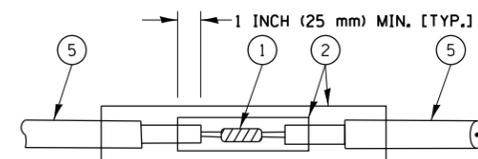


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

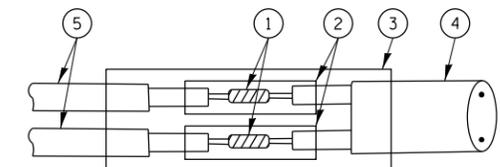


DETECTOR LOOP WIRING SCHEMATIC

- 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.

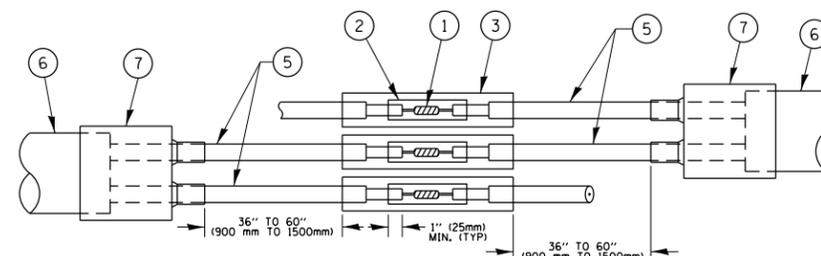


DETAIL "A"
LOOP-TO-LOOP SPLICE

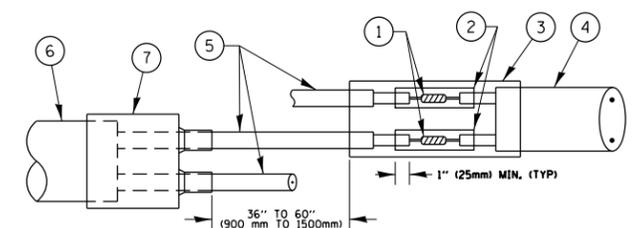


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01429\Drawings\Design\Diststd.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 12/15/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

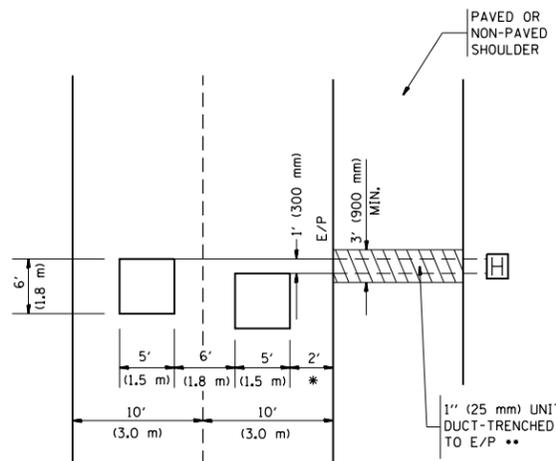
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711-RS-3	COOK	41	40
TS-05		CONTRACT NO.	62D11	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



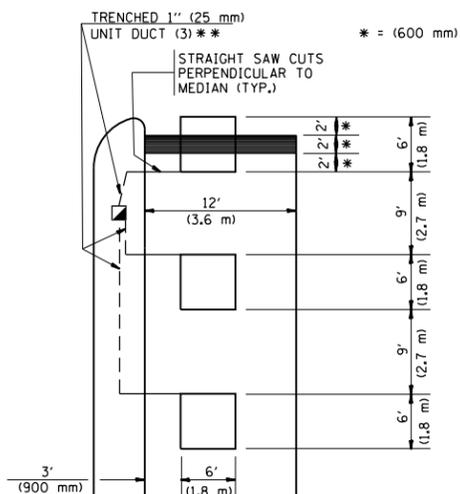
* = (600 mm)

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

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

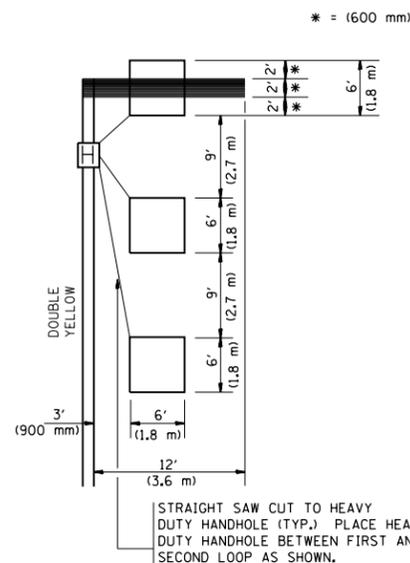


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

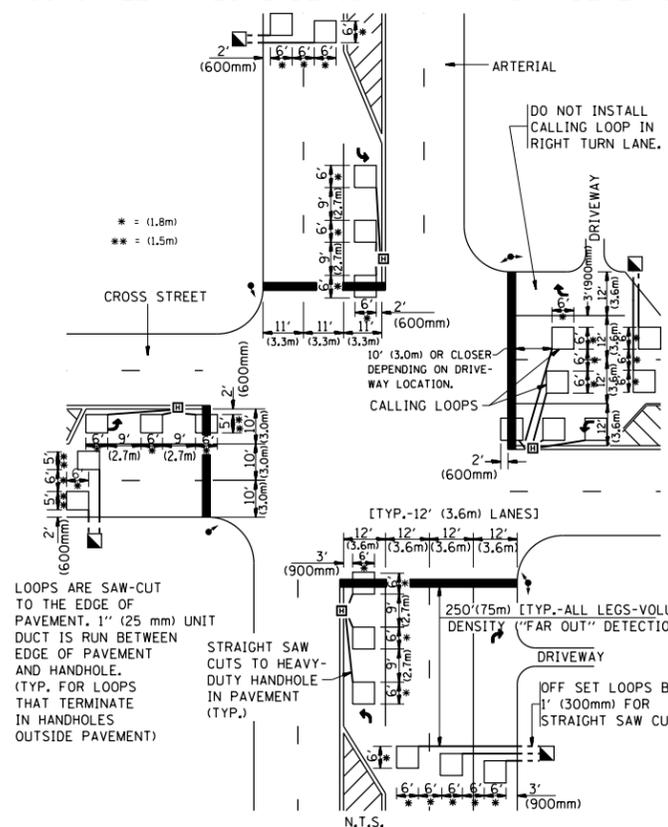
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



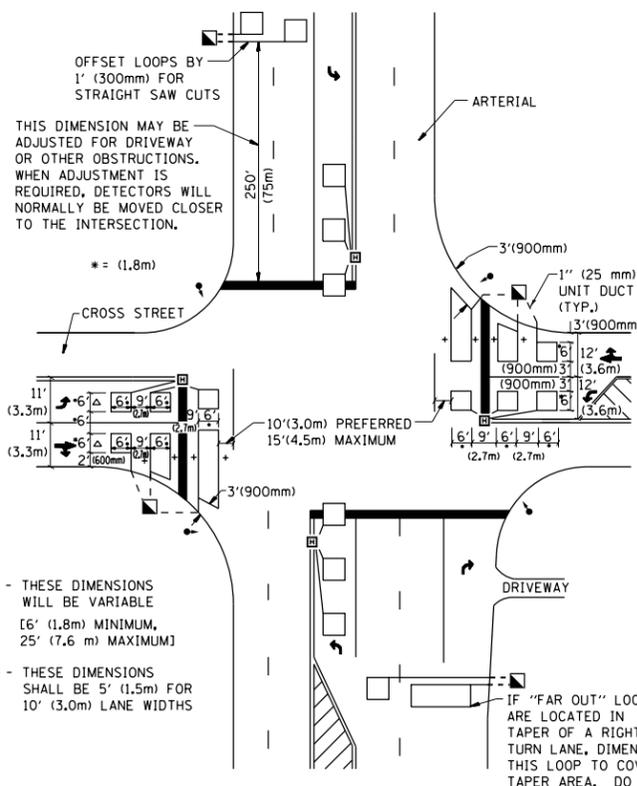
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01429\Drawings\Design\Diststd.dgn	PLotted SCALE = 100.0000' / 1" =	CHECKED - R.K.F.	REVISED -			1321	0711-RS-3	COOK	41	41
PLotted DATE = 12/15/2016	DATE -	REVISED -	REVISED -			TS-07		CONTRACT NO. 62D11		
						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			