

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	1
ILLINOIS CONTRACT NO. 62H22				

**PROPOSED  
HIGHWAY PLANS**

F.A.P. ROUTE 351 (US 6 (159 ST.))  
94TH AVE. TO W/O PULASKI RD/CRAWFORD AVE.

SECTION: 2018-069-RS  
PROJECT: NHPP-VQAB(875)

RESURFACING (3P), PEDESTRIAN RAMPS, AND MILLED RUMBLE STRIPS  
COOK COUNTY

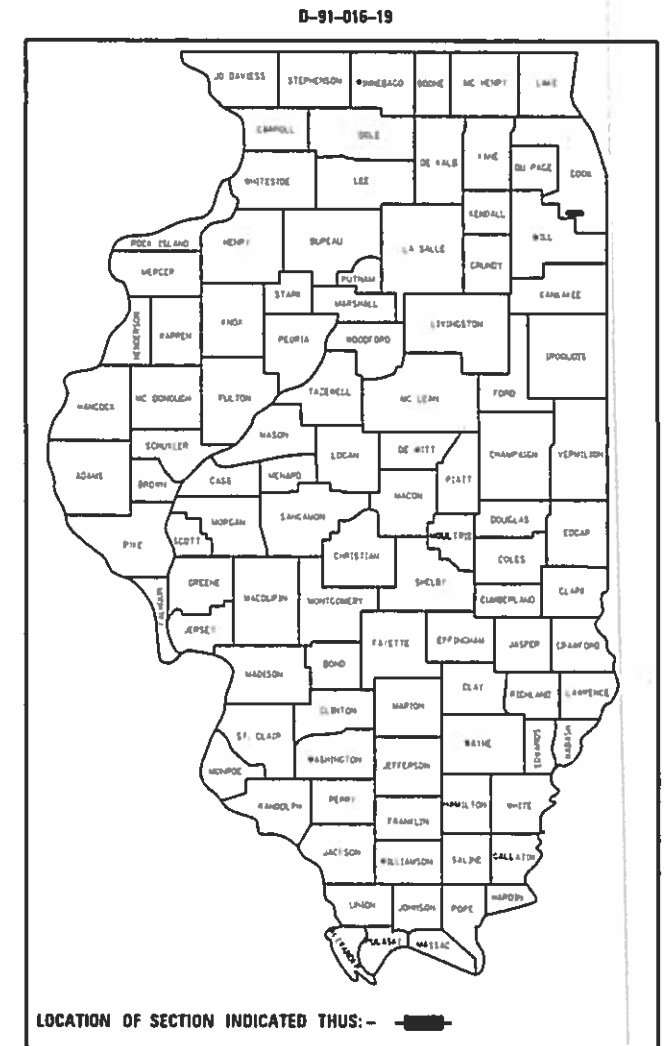
C-91-215-19

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN:  
THE CITY OF OAK FOREST  
THE VILLAGE OF ORLAND HILLS  
THE VILLAGE OF ORLAND PARK  
THE VILLAGE OF TINLEY PARK

TRAFFIC DATA:

US 6 (159TH ST.):  
2017 ADT = 33,000  
SPEED LIMIT = 35 TO 50 MPH

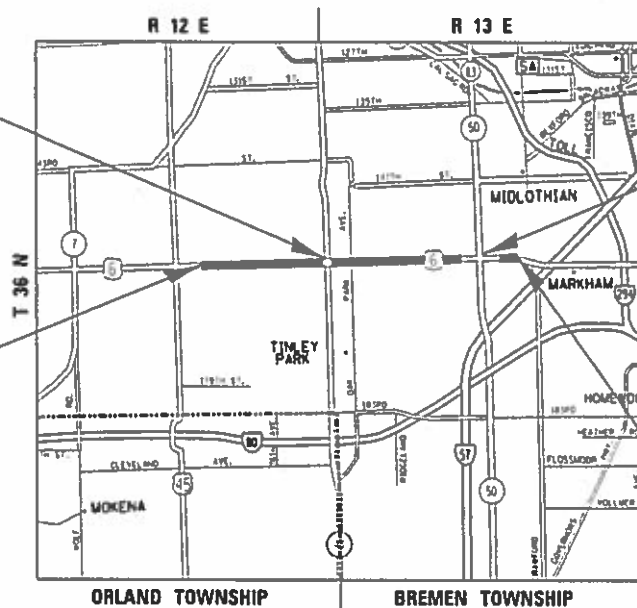


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

OMISSION: STA. 174 + 71  
TO STA. 178 + 16

PROJECT BEGINS  
STA. 28 + 84



OMISSION: STA. 322 + 00  
TO STA. 350 + 97

PROJECT ENDS  
STA. 378 + 21

GROSS LENGTH = 34,937 FT. = 6.62 MILES  
NET LENGTH = 31,695 FT. = 6.00 MILES



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 22 20 19

Anthony J. Danzky REGIONAL ENGINEER

March 22 20 19

EA. CLK ENGINEER OF DESIGN AND ENVIRONMENT

March 23 20 19

David L. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H22

**INDEX OF SHEETS**

**HIGHWAY STANDARDS**

**GENERAL NOTES**

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1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7-9	EXISTING AND PROPOSED TYPICAL SECTIONS
10-22	ROADWAY AND PAVEMENT MARKING PLAN
23	SIDEWALK DETAIL PLAN
24-38	DETECTOR LOOP REPLACEMENT PLAN
39	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB AND EDGE OF SHOULDER >= 15' (4.5 m) (BD-01)
40	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5 m) (BD-02)
41	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
42	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
43	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
44	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
45	RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY (BD-55)
46	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
47	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
48	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
49	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
50	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
51	ARTERIAL ROAD INFORMATION SIGN (TC-22)
52	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05, SHEET 2 OF 7)
53	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS, TYPE 1
604091-03	FRAME AND GRATE, TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS

- 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, THE CITY OF OAK FOREST AND THE VILLAGES OF ORLAND HILLS, ORLAND PARK, AND TINLEY PARK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, AND DRAINAGE ADJUSTMENT/RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 40 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 1:3 (V:H).
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE ENGINEER SHALL CONTACT PATRICE HARRIS, ARTERIAL TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 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.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE 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.
- 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.
- PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- THE ENGINEER SHALL CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST 72 HOURS PRIOR TO TREE REMOVAL AND WEED CONTROL. LOCATIONS OF TREE REMOVAL AND TREE PRUNING WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

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USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES  
US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	2
CONTRACT NO. 62H22				
ILLINOIS		FED. AID PROJECT		

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
			URBAN					
20100110	TREE REMOVAL ( 6 TO 15 UNITS DIAMETER)	UNIT	15	15				
20100210	TREE REMOVAL ( OVER 15 UNITS DIAMETER)	UNIT	30	30				
20101300	TREE PRUNING ( 1 TO 10 INCH DIAMETER)	EACH	5	5				
20101350	TREE PRUNING ( OVER 10 INCH DIAMETER)	EACH	10	10				
20200100	EARTH EXCAVATION	CU YD	120	120				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	449	449				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	5	5				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	5	5				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	5	5				
25000750	MOWING	ACRE	1.25	1.25				
25003115	INTERSEEDING, CLASS 1B	ACRE	1.25	1.25				
25200110	SODDING, SALT TOLERANT	SO YD	449	449				
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	36	36				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	42	42				
40600275	BITUMINOUS MATERIALS ( PRIME COAT)	POUND	81	81				
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
			URBAN					
40600290	BITUMINOUS MATERIALS ( TACK COAT)	POUND	146240	146240				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	323	323				
40600827	POLYMERIZED LEVELING BINDER ( MACHINE METHOD), 1L-4.75, N50	TON	8881	8881				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	872	872				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	9	9				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	170	170				
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	21152	21152				
42001300	PROTECTIVE COAT	SO YD	1700	1700				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	42	42				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	8448	8448				
* 42400800	DETECTABLE WARNINGS	SO FT	1072	1072				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	1514	1514				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005					
			URBAN						
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	215277	215277					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	84	84					
44000600	SIDEWALK REMOVAL	SO FT	8208	8208					
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	3026	3026					
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	600	600					
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	600	600					
60255500	MANHOLES TO BE ADJUSTED	EACH	7	7					
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3	3					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	4	4					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	33	33					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	120	120					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	15	15					
					* SPECIALTY ITEMS				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005					
			URBAN						
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					
67100100	MOBILIZATION	L SUM	1	1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	102549	102549					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	34184	34184					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	2777	2777					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	119783	119783					



SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005						
			URBAN							
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	15085	15085						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	4422	4422						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1348	1348						
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	26133	26133						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	2777	2777						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	119783	119783						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	14810	14810						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4422	4422						
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1322	1322						
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	275	275						
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	26	26						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	3023	3023						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2419	2419						
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5	5						
					* SPECIALTY ITEMS					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005						
			URBAN							
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1453	1453						
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	2	2						
* 88600100	DETECTOR LOOP, TYPE I	FOOT	132	132						
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	7187	7187						
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	19	19						
* 89502376	REBUILD EXISTING HANDHOLE	EACH	5	5						
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	1						
K0026700	TREE CARE	EACH	22	22						
K0029624	WEED CONTROL, TEASEL	GALLON	5	5						
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1						
X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	2724	2724						
X0327036	BIKE PATH REMOVAL	SO YD	69	69						
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	549	549						
* X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1000	1000						
					* 100% STATE					

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
			URBAN					
X6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	71	71				
	( SPECIAL )							
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	66077	66077				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2159	2159				
** Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	313	313				
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	6	6				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4				
Z0064800	SELECTIVE CLEARING	UNIT	29	29				
∅ Z0076600	TRAINEES	HOUR	1000	1000				
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000				
*100% STATE							* SPECIALTY ITEMS	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
			URBAN					

FILE NAME =  
 USER NAME = tarlqf  
 DESIGNED -  
 PLOT SCALE = 100,0000' / In.  
 PLOT DATE = 1/31/2019

REVISOR -  
 REVISIONS -  
 CHECKED -  
 DATE -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.

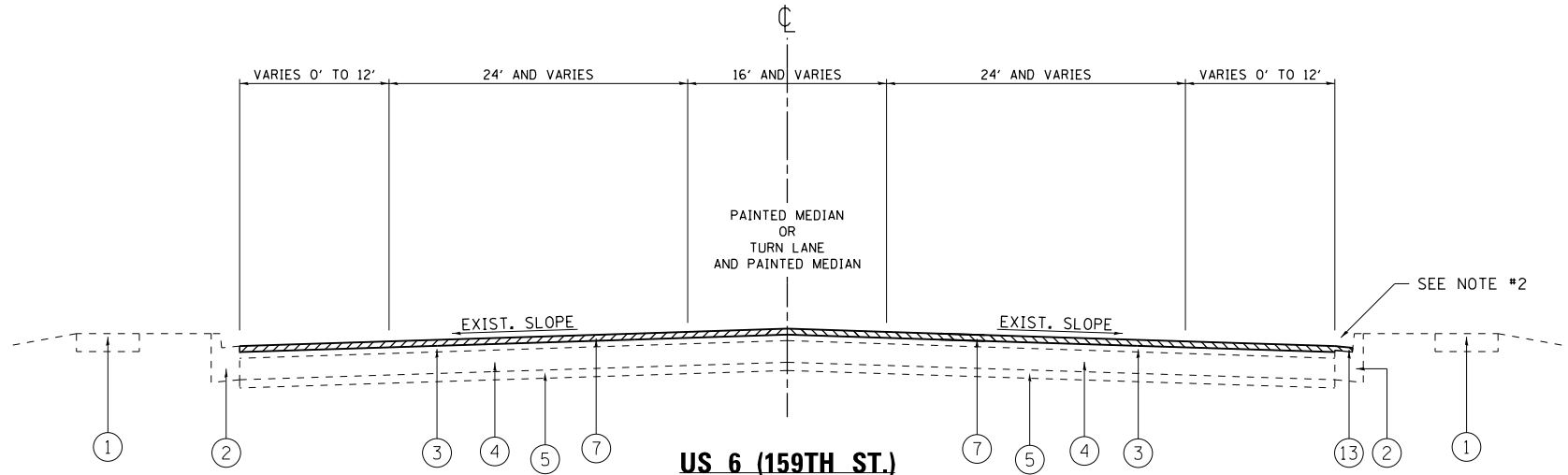
F.A.P. RTE. 351	SECTION 2018-069-RS	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 6
CONTRACT NO. 62H22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**LEGEND:**

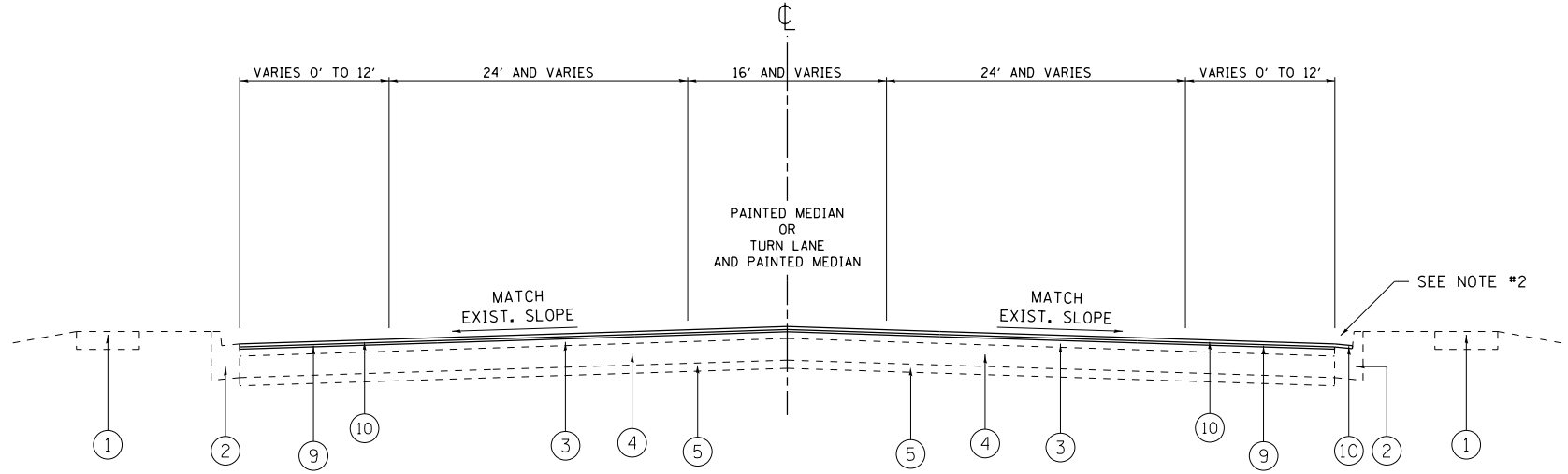
- ① EXISTING SIDEWALK
- ② EXISTING COMB. CONC. CURB AND GUTTER, B-6.24
- ③ EXISTING HMA SURFACE COURSE, ± 5/2"
- ④ EXISTING PCC BASE COURSE, ± 10"
- ⑤ EXISTING SUB-BASE
- ⑥ EXISTING CONCRETE MEDIAN
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED HMA SURFACE REMOVAL, 2"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑪ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑫ PROPOSED CENTER LINE - RUMBLE STRIP - 16"
- ⑬ PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑭ EXISTING HMA SHOULDER

**NOTES:**

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. LOCATIONS OF HMA OVERLAY:  
STA. 313+00 TO STA. 313+80



**EXISTING TYPICAL SECTION**  
 STA. 28+84 TO STA. 158+77  
 STA. 204+38 TO STA. 278+24  
 STA. 284+28 TO STA. 305+86  
 STA. 309+02 TO STA. 314+40



**PROPOSED TYPICAL SECTION**  
 STA. 28+84 TO STA. 158+77  
 STA. 204+38 TO STA. 278+24  
 STA. 284+28 TO STA. 305+86  
 STA. 309+02 TO STA. 314+40

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING	POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5 mm); 1 3/4"	4% @ 70 GYR.	PFP
	POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50; 3/4"	3.5% @ 50 GYR.	OCP
MEDIAN RESURFACING	HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"	4% @ 70 GYR	QC/QA
DRIVEWAYS	HMA SURFACE COURSE, MIX "D", N50, (IL-9.5 mm); 2"	4% @ 50 GYR.	QC/QA
	HMA BASE COURSE, (HMA BINDER IL-19 mm); CE - 8"	4% @ 50 GYR.	QC/QA
BIKE PATH	HMA SURFACE COURSE, MIX "D", N50, (IL-9.5 mm); 2"	4% @ 50 GYR.	QC/QA
PATCHING	CLASS D PATCHES (HMA BINDER IL-19.0 mm)	4% @ 70 GYR	QC/QA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)

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

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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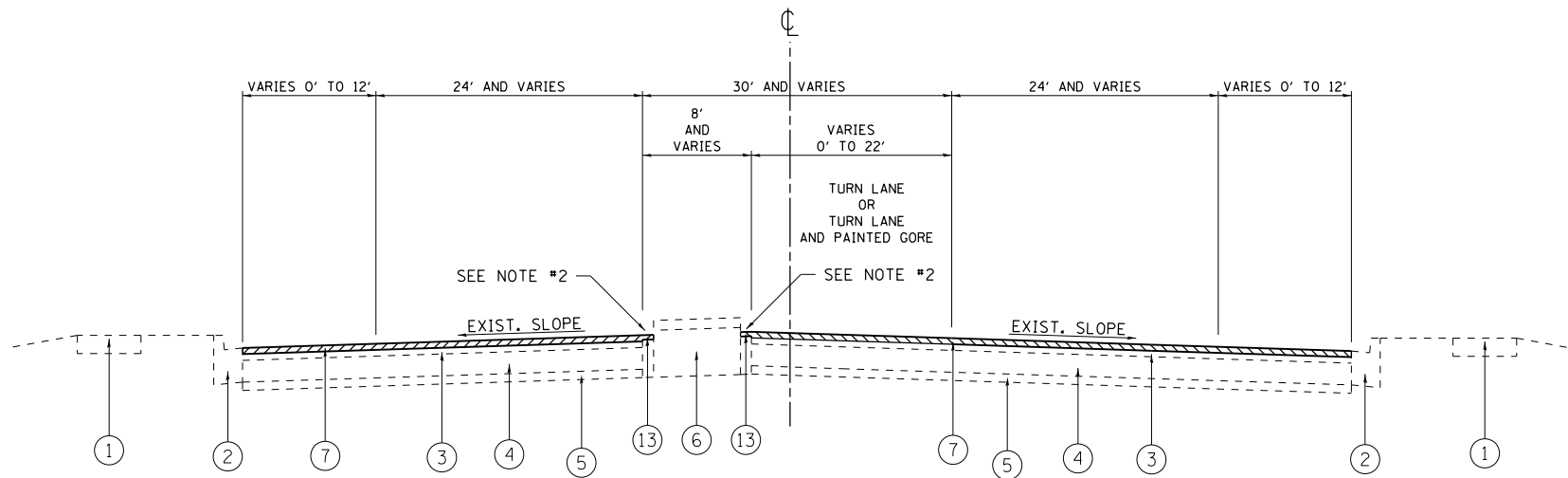
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	7
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



**US 6 (159TH ST.)**

**EXISTING TYPICAL SECTION**

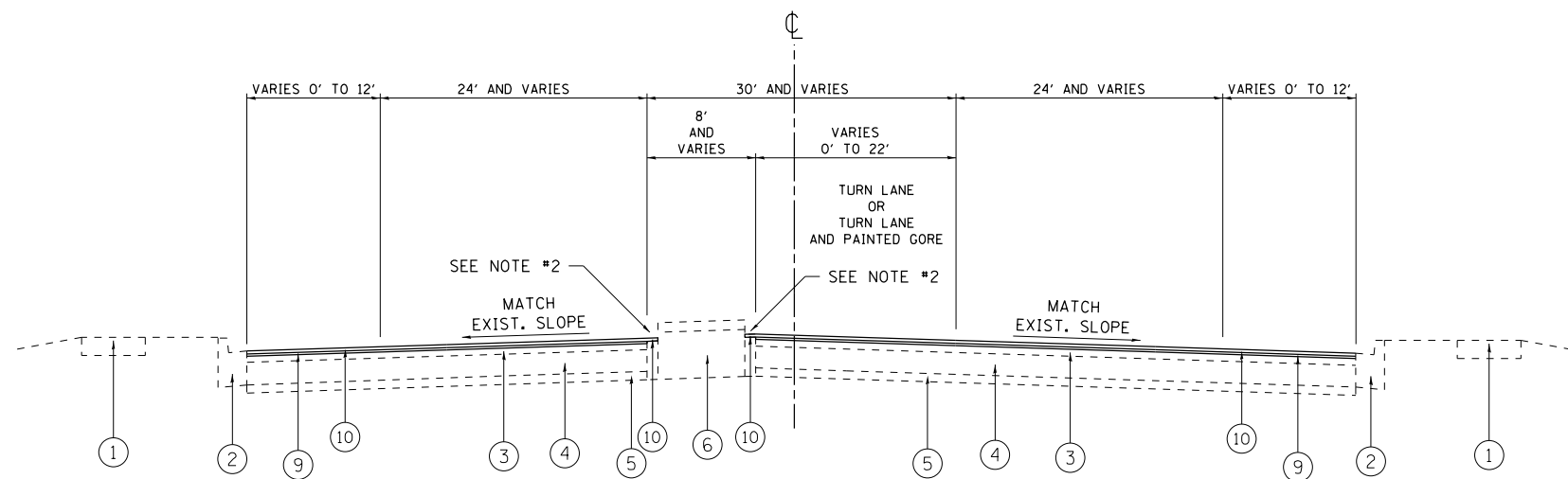
STA. 158+77 TO STA. 174+71  
 STA. 178+16 TO STA. 204+38  
 STA. 278+24 TO STA. 284+28  
 STA. 305+86 TO STA. 309+02  
 STA. 314+40 TO STA. 322+00

**LEGEND:**

- ① EXISTING SIDEWALK
- ② EXISTING COMB. CONC. CURB AND GUTTER, B-6.24
- ③ EXISTING HMA SURFACE COURSE, ± 5 1/2"
- ④ EXISTING PCC BASE COURSE, ± 10"
- ⑤ EXISTING SUB-BASE
- ⑥ EXISTING CONCRETE MEDIAN
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED HMA SURFACE REMOVAL, 2"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑪ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑫ PROPOSED CENTER LINE - RUMBLE STRIP - 16"
- ⑬ PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑭ EXISTING HMA SHOULDER

**NOTES:**

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. LOCATIONS OF HMA OVERLAY:  
 STA. 192+84 TO STA. 200+18  
 STA. 201+14 TO STA. 204+38  
 STA. 278+24 TO STA. 280+31  
 STA. 281+28 TO STA. 284+28  
 STA. 305+86 TO STA. 306+97  
 STA. 307+94 TO STA. 309+02  
 STA. 314+40 TO STA. 322+00



**US 6 (159TH ST.)**

**PROPOSED TYPICAL SECTION**

STA. 158+77 TO STA. 174+71  
 STA. 178+16 TO STA. 204+38  
 STA. 278+24 TO STA. 284+28  
 STA. 305+86 TO STA. 309+02  
 STA. 314+40 TO STA. 322+00

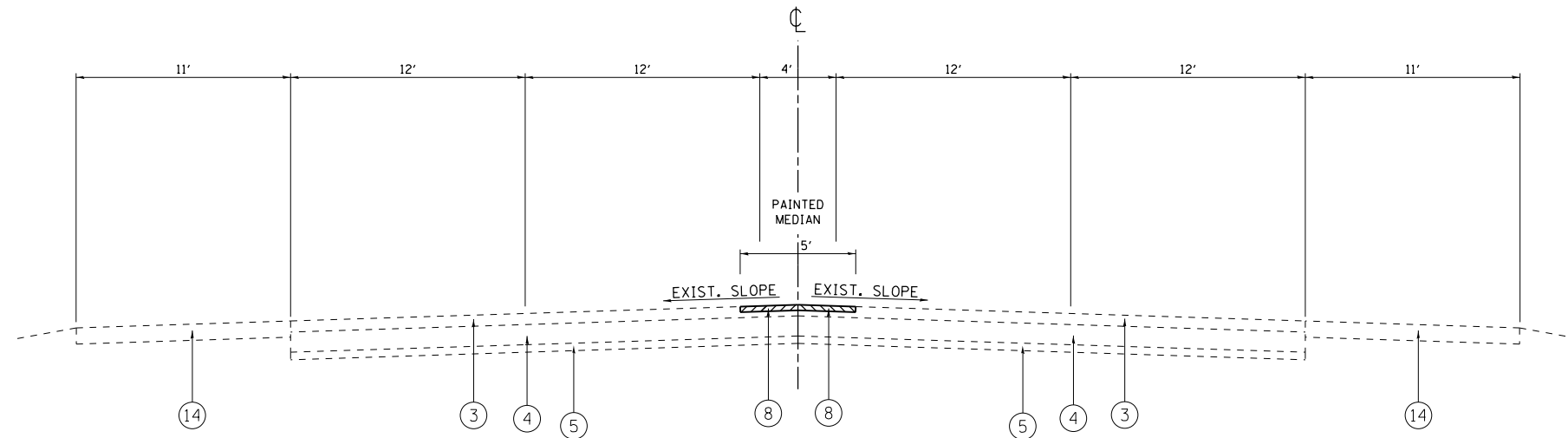
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>	
<b>US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H22	



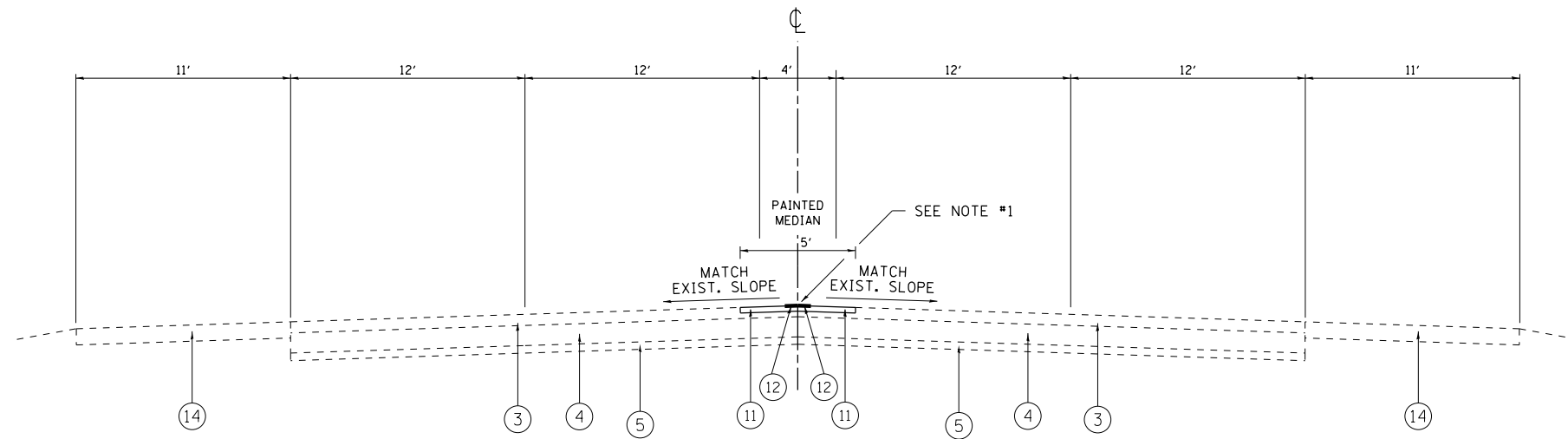
**US 6 (159TH ST.)**  
**EXISTING TYPICAL SECTION**  
 STA. 350+97 TO STA. 378+21

**LEGEND:**

- ① EXISTING SIDEWALK
- ② EXISTING COMB. CONC. CURB AND GUTTER, B-6.24
- ③ EXISTING HMA SURFACE COURSE, ± 5 1/2"
- ④ EXISTING PCC BASE COURSE, ± 10"
- ⑤ EXISTING SUB-BASE
- ⑥ EXISTING CONCRETE MEDIAN
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED HMA SURFACE REMOVAL, 2"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑪ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑫ PROPOSED CENTER LINE - RUMBLE STRIP - 16"
- ⑬ PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑭ EXISTING HMA SHOULDER

**NOTES:**

1. PLACE CENTERLINE RUMBLE STRIPS IN THE MIDDLE OF THE PAINTED MEDIAN.



**US 6 (159TH ST.)**  
**PROPOSED TYPICAL SECTION**  
 STA. 350+97 TO STA. 378+21

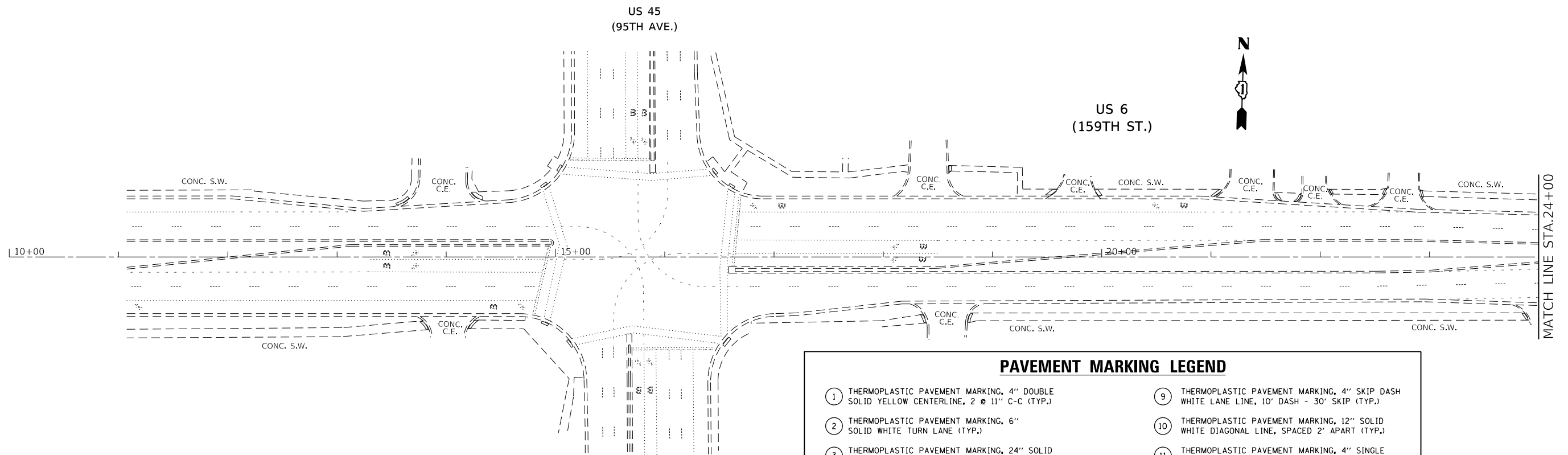
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

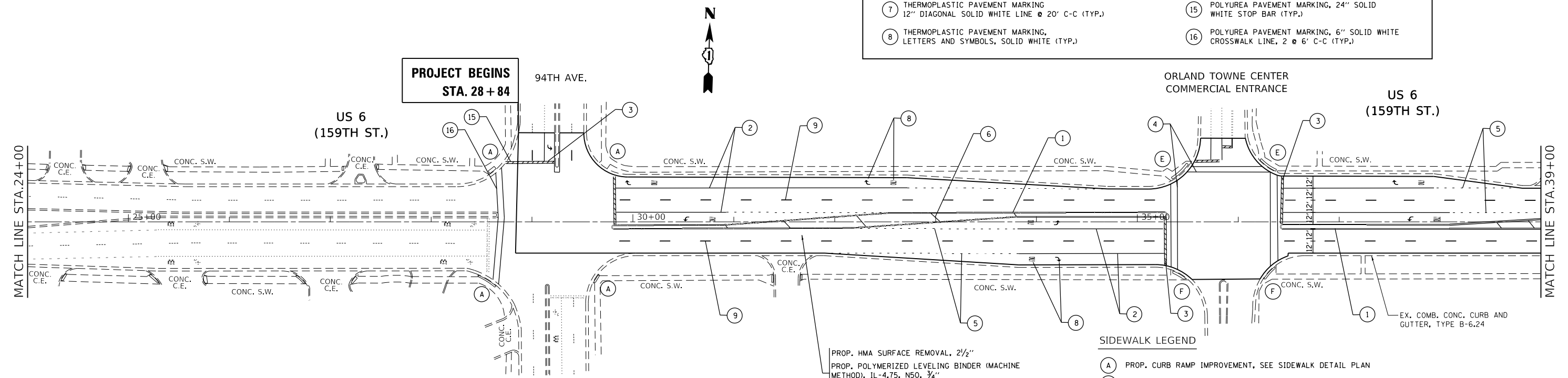
<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>			
<b>US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	9
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)	⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)	⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)
④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)	⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)
⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)	⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)	⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5/2" C-C FROM SKIP-DASH (TYP.)
⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)	⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)	⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)



PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", NTO, 1 3/4"

**SIDEWALK LEGEND**

Ⓐ PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
Ⓑ PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
Ⓒ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
Ⓓ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006
Ⓔ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011
Ⓕ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021

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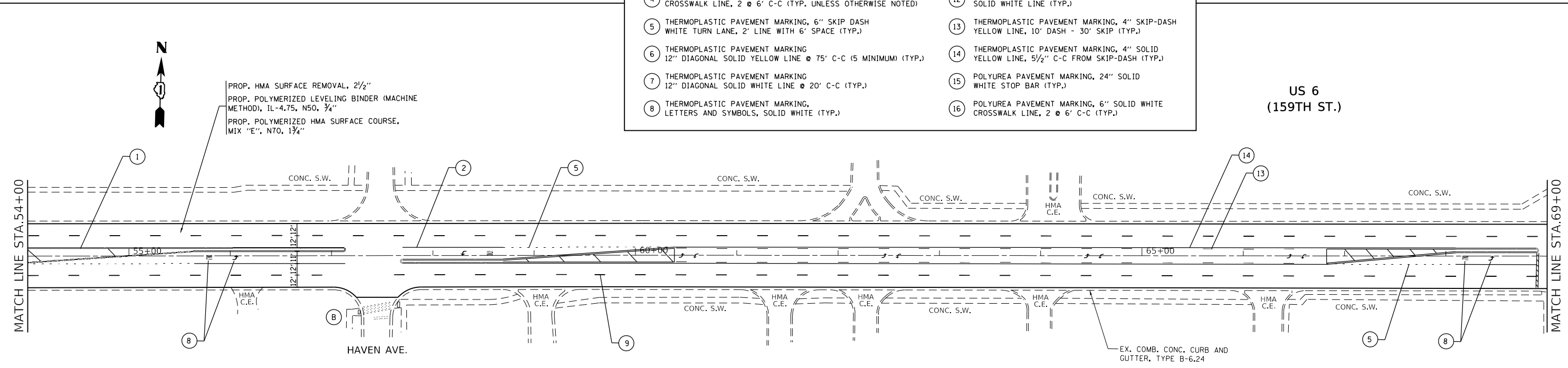
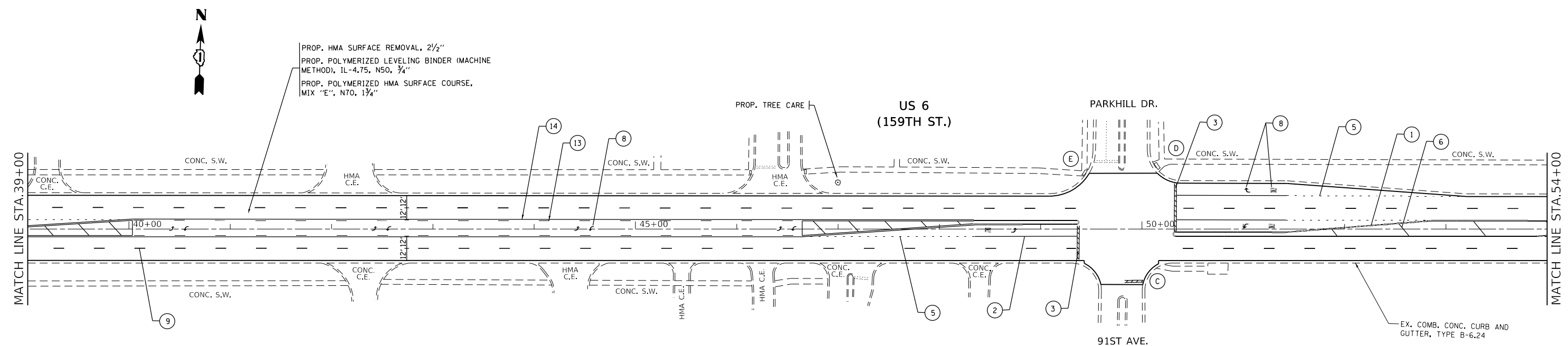
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	10
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				

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### PAVEMENT MARKING LEGEND

<p>① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)</p> <p>② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)</p> <p>③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)</p> <p>④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)</p> <p>⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)</p> <p>⑥ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)</p> <p>⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)</p> <p>⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)</p>	<p>⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)</p> <p>⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)</p> <p>⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)</p> <p>⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)</p> <p>⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)</p> <p>⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP-DASH (TYP.)</p> <p>⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)</p> <p>⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)</p>
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### SIDEWALK LEGEND

A	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
B	PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
C	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
D	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006
E	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011
F	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021

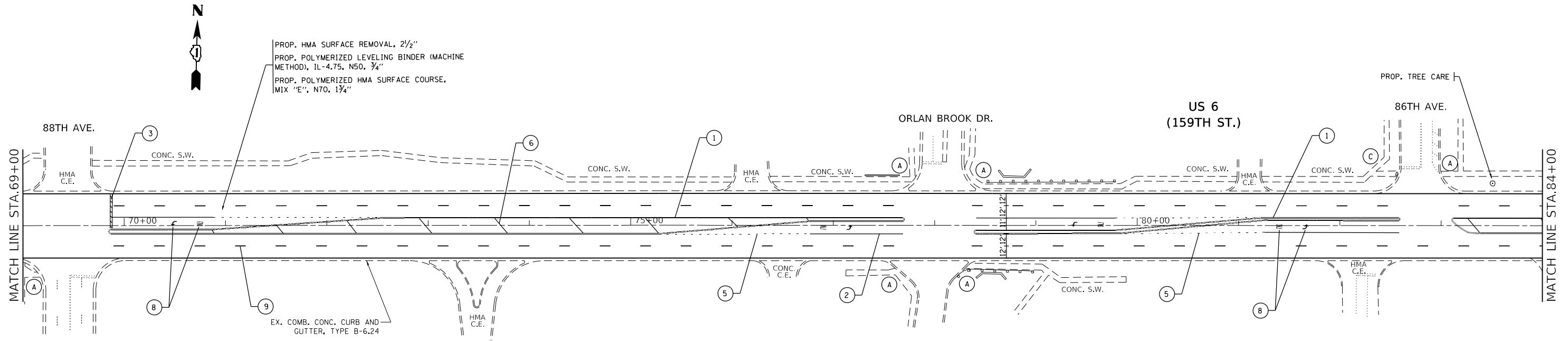
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

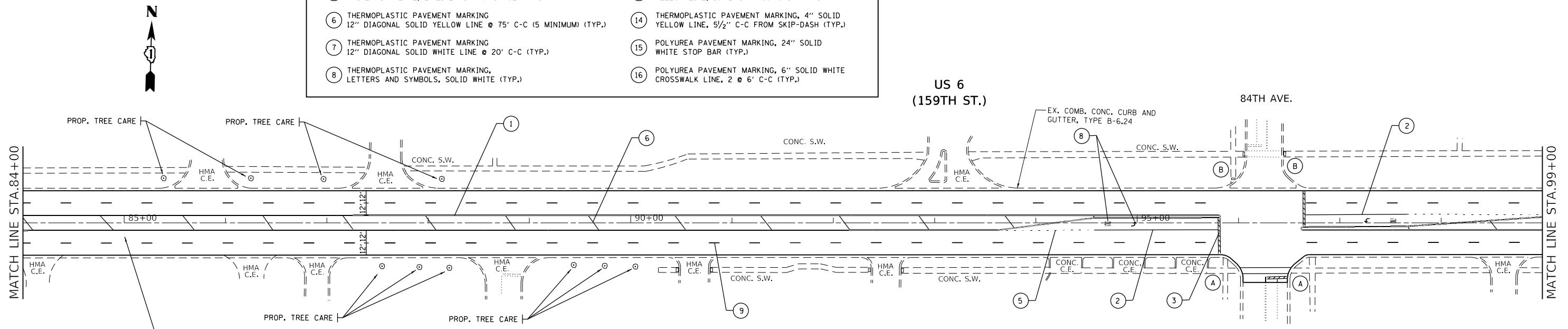
**ROADWAY AND PAVEMENT MARKING PLAN  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	11
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND	
① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)	⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2" APART (TYP.)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)	⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)
④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)	⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)
⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)	⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
⑥ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)	⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP-DASH (TYP.)
⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)	⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)	⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)



SIDEWALK LEGEND	
(A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN	
(B) PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY	
(C) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001	
(D) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006	
(E) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011	
(F) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021	

PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

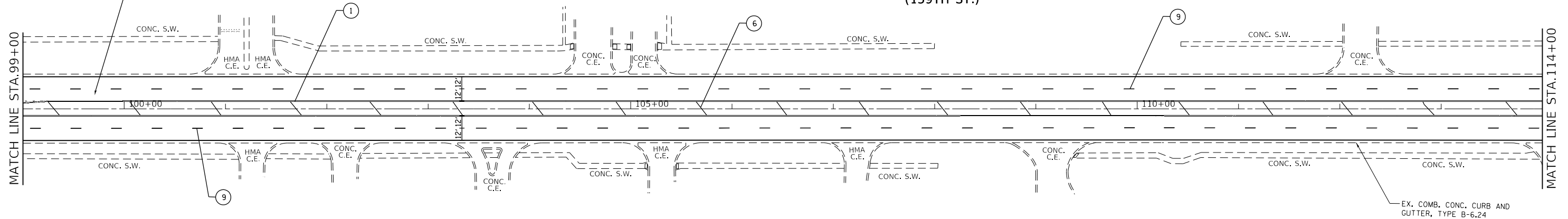
**ROADWAY AND PAVEMENT MARKING PLAN**  
**US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**  
 SCALE: 1" = 50'     SHEET     OF     SHEETS     STA.     TO     STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	12
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NSO, 3/4"  
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"

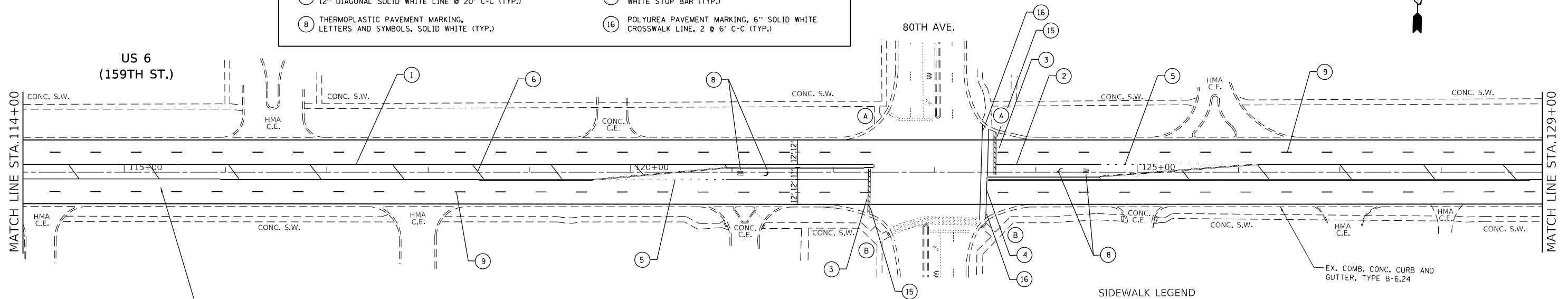
US 6  
 (159TH ST.)



**PAVEMENT MARKING LEGEND**

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)                   | ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.) |
| ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)   | ⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)    |
| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)   | ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)                       |
| ④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED) | ⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)                        |
| ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)              | ⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)     |
| ⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)             | ⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP-DASH (TYP.)   |
| ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)                          | ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                               |
| ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)                                 | ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)              |

US 6  
 (159TH ST.)



PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NSO, 3/4"  
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"

**SIDEWALK LEGEND**

- Ⓐ PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- Ⓑ PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
- Ⓒ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
- Ⓓ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006
- Ⓔ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011
- Ⓕ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021

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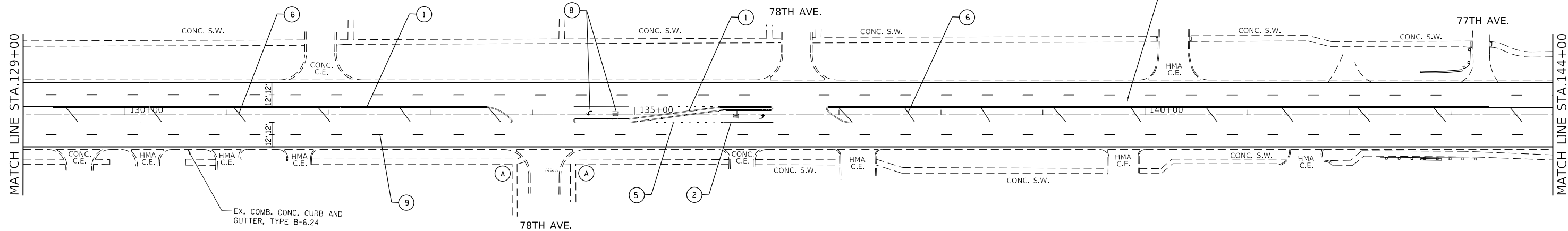
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY AND PAVEMENT MARKING PLAN</b>	
<b>US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.</b>	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	13
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				

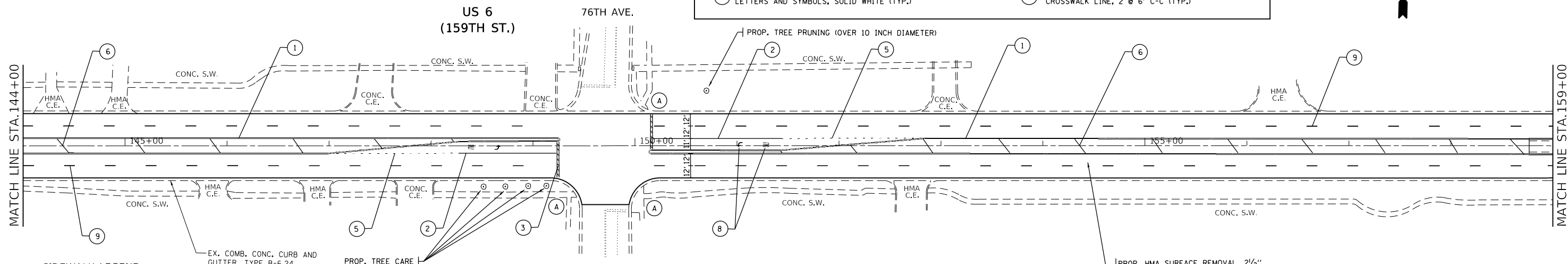
US 6  
(159TH ST.)



**PAVEMENT MARKING LEGEND**

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)                   | ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.) |
| ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)   | ⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)    |
| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)   | ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)                       |
| ④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED) | ⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)                        |
| ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)              | ⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)     |
| ⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)             | ⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP-DASH (TYP.)   |
| ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)                          | ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                               |
| ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)                                 | ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)              |

US 6  
(159TH ST.)



**SIDEWALK LEGEND**

- |     |  |
|-----|--|
| (A) | PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN                        |
| (B) | PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY |
| (C) | PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001                              |
| (D) | PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006                              |
| (E) | PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011                              |
| (F) | PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021                              |

USER NAME = tariqfm	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/31/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

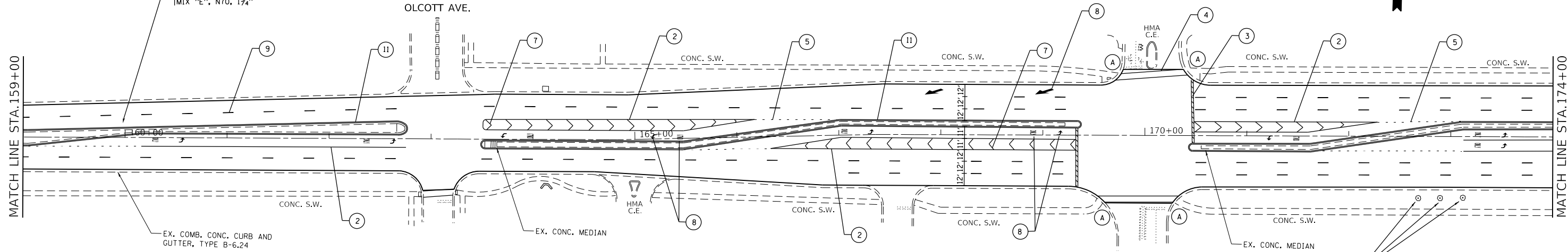
ROADWAY AND PAVEMENT MARKING PLAN  
US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.  
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	14
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				

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PROP. HMA SURFACE REMOVAL, 2½"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE  
 METHOD), IL-4.75, N50, ¾"  
 PROP. POLYMERIZED HMA SURFACE COURSE,  
 MIX "E", N70, 1¾"

**US 6  
 (159TH ST.)**



**PAVEMENT MARKING LEGEND**

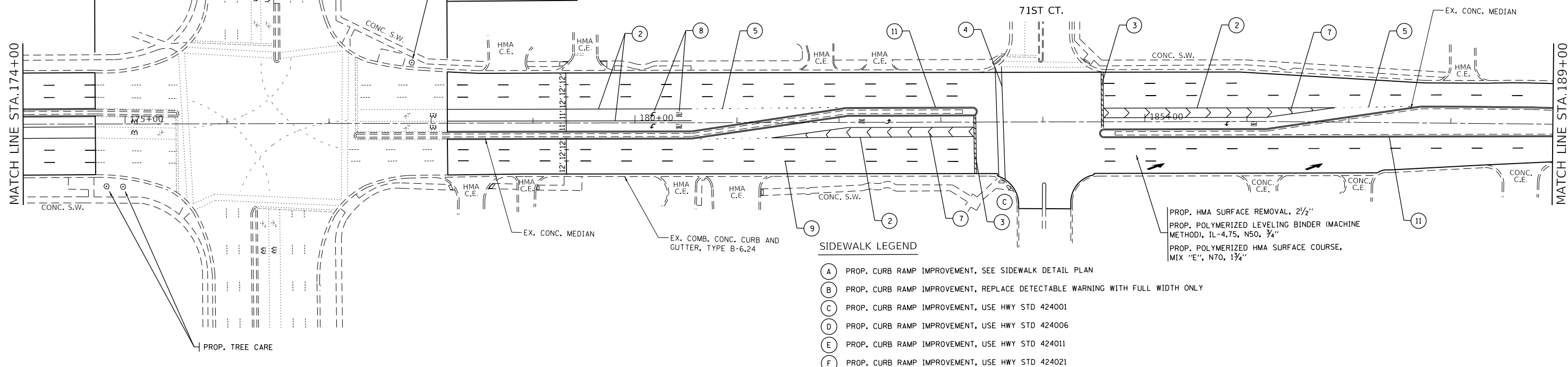
- ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)
- ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)
- ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)
- ⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)
- ⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5½" C-C FROM SKIP-DASH (TYP.)
- ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
- ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)

**IL 43  
 (HARLEM AVE.)**

**OMIT RESURFACING  
 START STA. 174 + 71**

**OMIT RESURFACING  
 END STA. 178 + 16**

**US 6  
 (159TH ST.)**



**SIDEWALK LEGEND**

- A PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- B PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
- C PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
- D PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006
- E PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011
- F PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

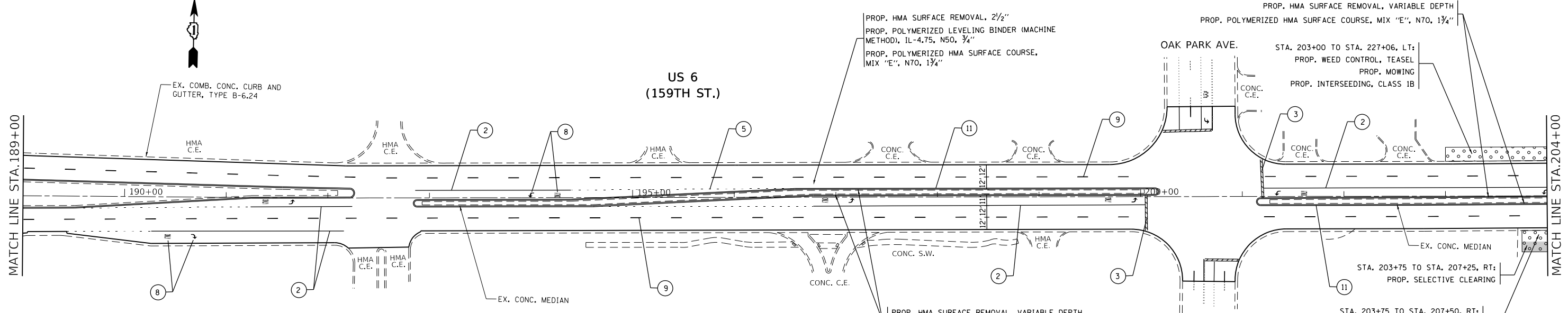
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	15
CONTRACT NO. 62H22				
ILLINOIS		FED. AID PROJECT		

USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2019	DATE -	REVISED -

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



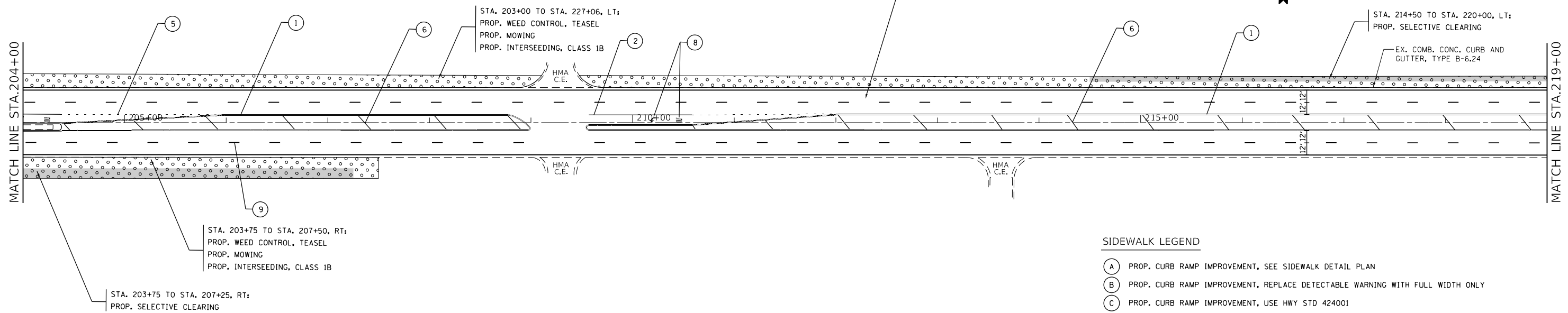
**US 6  
(159TH ST.)**



**PAVEMENT MARKING LEGEND**

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)                   | ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.) |
| ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)   | ⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)    |
| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)   | ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)                       |
| ④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED) | ⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)                        |
| ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)              | ⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)     |
| ⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)             | ⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5/2" C-C FROM SKIP-DASH (TYP.)     |
| ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)                          | ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                               |
| ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)                                 | ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)              |

**US 6  
(159TH ST.)**



**SIDEWALK LEGEND**

- |   |  |
|---|--|
| Ⓐ | PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN                        |
| Ⓑ | PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY |
| Ⓒ | PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001                              |
| Ⓓ | PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006                              |
| Ⓔ | PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011                              |
| Ⓕ | PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021                              |

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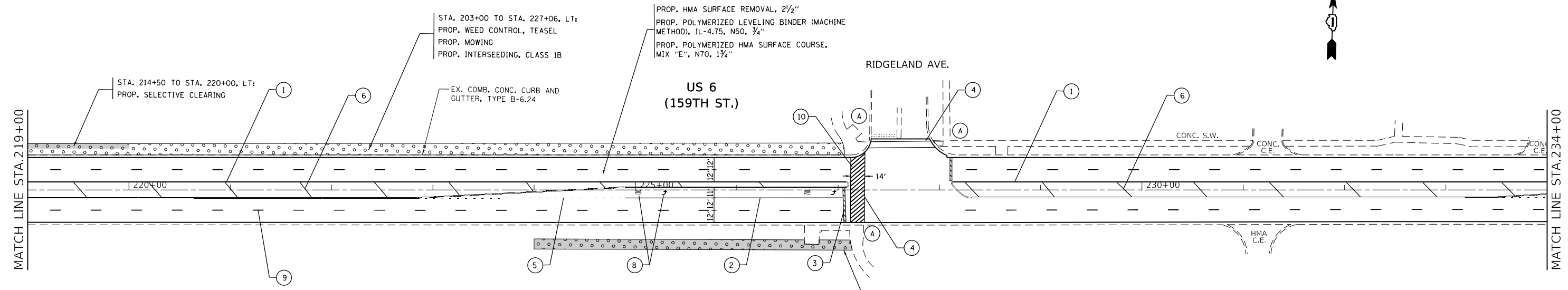
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

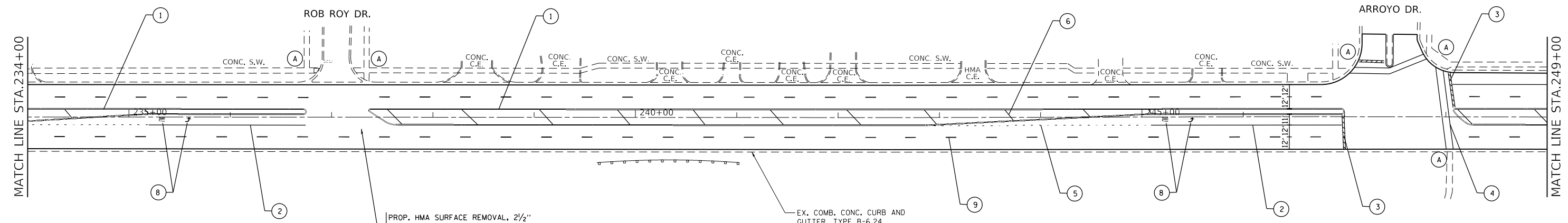
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	16
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND	
① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)	⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)	⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)
④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)	⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)
⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)	⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)	⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP-DASH (TYP.)
⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)	⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)	⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)

STA. 224+00 TO STA. 227+14, RT:  
 PROP. SELECTIVE CLEARING  
 PROP. MOWING  
 PROP. INTERSEEDING, CLASS 1B



PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"

EX. COMB. CONC. CURB AND GUTTER, TYPE B-6.24

SIDEWALK LEGEND	
(A)	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
(B)	PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
(C)	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
(D)	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006
(E)	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011
(F)	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021

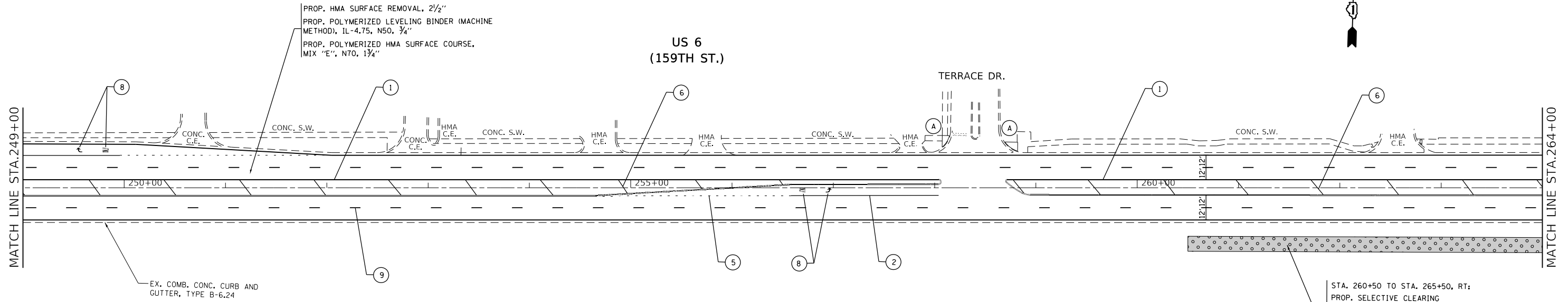
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PLOT DATE = 1/31/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.  
 SCALE: 1" = 50'

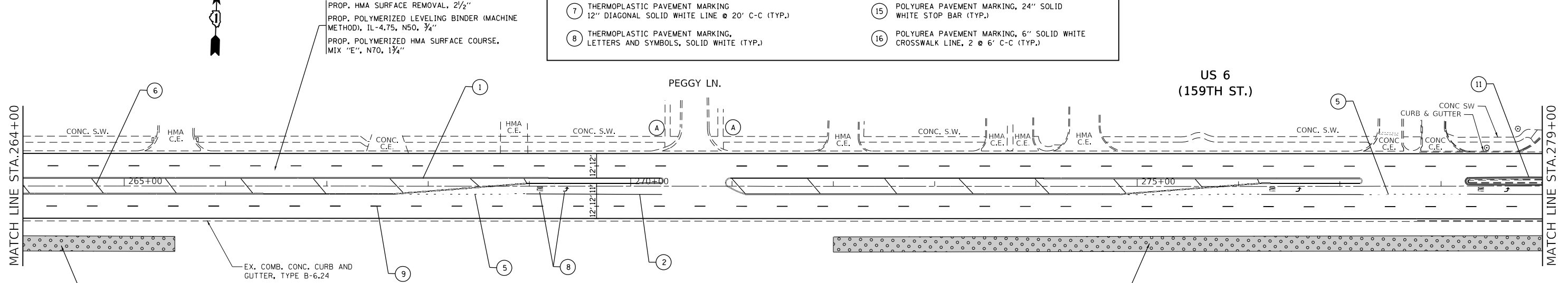
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	17
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



STA. 260+50 TO STA. 265+50, RT:  
 PROP. SELECTIVE CLEARING  
 PROP. MOWING  
 PROP. INTERSEEDING, CLASS 1B

**PAVEMENT MARKING LEGEND**

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)                   | ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.) |
| ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)   | ⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)    |
| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)   | ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)                       |
| ④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED) | ⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)                        |
| ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)              | ⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)     |
| ⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)             | ⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5/2" C-C FROM SKIP-DASH (TYP.)     |
| ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)                          | ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                               |
| ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)                                 | ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)              |



STA. 260+50 TO STA. 265+50, RT:  
 PROP. SELECTIVE CLEARING  
 PROP. MOWING  
 PROP. INTERSEEDING, CLASS 1B

STA. 272+00 TO STA. 280+10, RT:  
 PROP. SELECTIVE CLEARING  
 PROP. MOWING  
 PROP. INTERSEEDING, CLASS 1B

**SIDEWALK LEGEND**

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
- (C) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
- (D) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006
- (E) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011
- (F) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021

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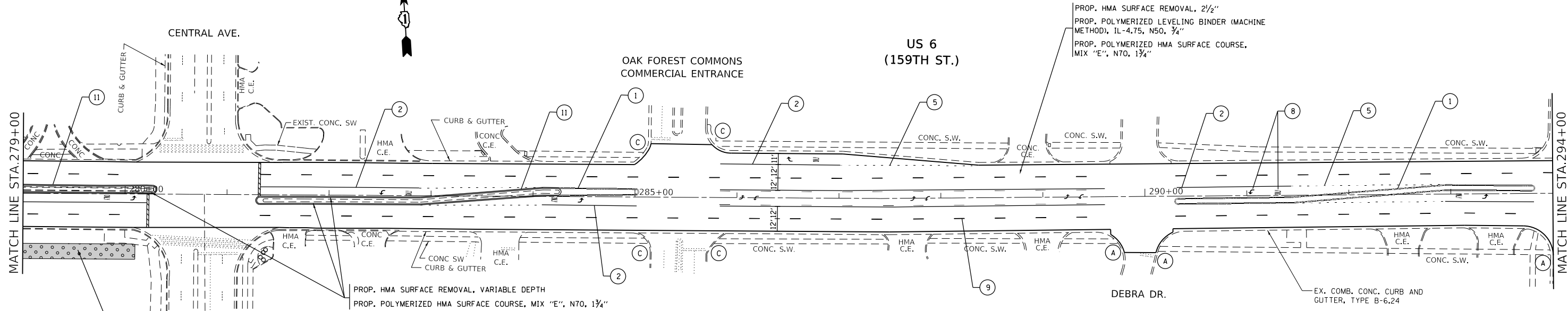
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PLOT DATE = 1/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	18
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



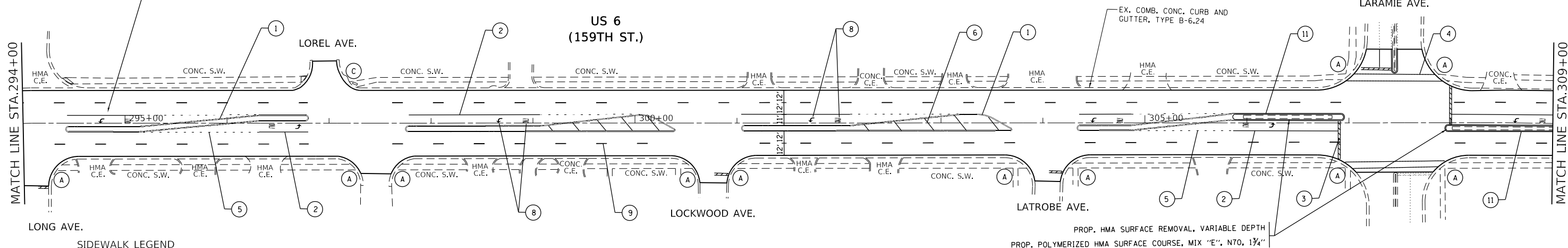
STA. 272+00 TO STA. 280+10, RT;  
 PROP. SELECTIVE CLEARING  
 PROP. MOWING  
 PROP. INTERSEEDING, CLASS 1B

PROP. HMA SURFACE REMOVAL, VARIABLE DEPTH  
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"

**PAVEMENT MARKING LEGEND**

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)                   | ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.) |
| ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)   | ⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2' APART (TYP.)    |
| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)   | ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)                       |
| ④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED) | ⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)                        |
| ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)              | ⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)     |
| ⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)             | ⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP-DASH (TYP.)   |
| ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)                          | ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                               |
| ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)                                 | ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)              |

PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"  
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"



**SIDEWALK LEGEND**

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
- (C) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
- (D) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006
- (E) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011
- (F) PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021

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USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**  
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

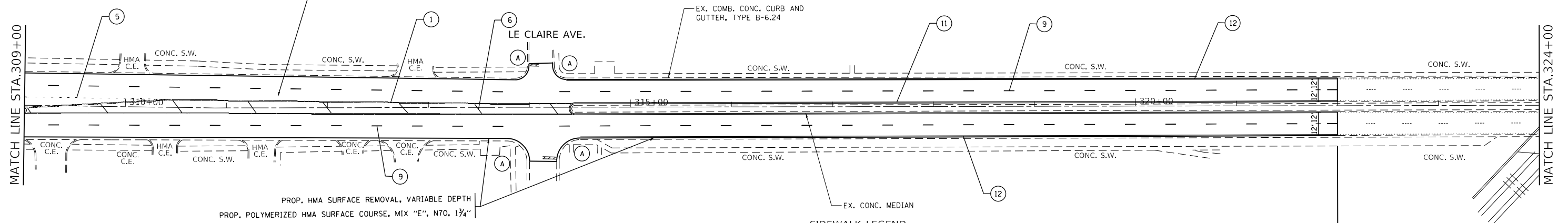
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	19
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



US 6  
(159TH ST.)

MATCH LINE STA. 309+00

MATCH LINE STA. 324+00



### PAVEMENT MARKING LEGEND

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)                   | ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.) |
| ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)   | ⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2" APART (TYP.)    |
| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)   | ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)                       |
| ④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED) | ⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)                        |
| ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)              | ⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)     |
| ⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)             | ⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP-DASH (TYP.)   |
| ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)                          | ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                               |
| ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)                                 | ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)              |

### SIDEWALK LEGEND

- Ⓐ PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- Ⓑ PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
- Ⓒ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
- Ⓓ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424006
- Ⓔ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424011
- Ⓕ PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424021

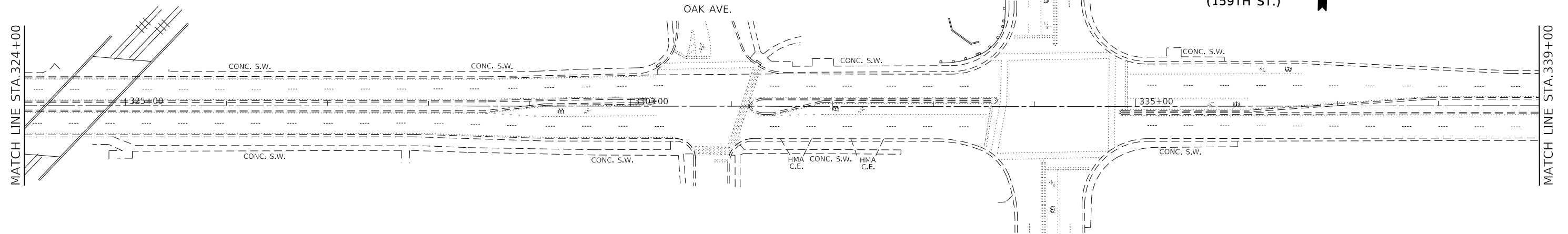
**LIMIT OF RESURFACING  
STA. 322+00**



US 6  
(159TH ST.)

MATCH LINE STA. 324+00

MATCH LINE STA. 339+00



MODEL: Default  
FILE: \\nrc\p\work\110418\110418.dwg  
PROJECT: 110418  
DRAWN: 11/31/2019  
CHECKED: 11/31/2019  
DESIGNED: 11/31/2019  
REVISED: 11/31/2019  
SCALE: 1"= 50'

USER NAME = tariqfm	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 1/31/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN**  
**US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	20
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



US 6  
(159TH ST.)



MATCH LINE STA. 339+00

MATCH LINE STA. 349+00

340+00

345+00

FOREST DR.

**PAVEMENT MARKING LEGEND**

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)                   | ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.) |
| ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)   | ⑩ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL LINE, SPACED 2" APART (TYP.)    |
| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)   | ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)                       |
| ④ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED) | ⑫ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID WHITE LINE (TYP.)                        |
| ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)              | ⑬ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)     |
| ⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)             | ⑭ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP-DASH (TYP.)   |
| ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)                          | ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                               |
| ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)                                 | ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)              |

\* PROP. RAISED REFLECTIVE PAVEMENT MARKER REMOVAL  
 PROP. HMA SURFACE REMOVAL, 2"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 2"  
 PROP. CENTER LINE - RUMBLE STRIP - 16"  
 PROP. RAISED REFLECTIVE PAVEMENT MARKER  
 PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4"

\* PLACE CENTERLINE RUMBLE STRIPS IN THE MIDDLE OF THE PAINTED MEDIAN.

US 6  
(159TH ST.)



MATCH LINE STA. 349+00

MATCH LINE STA. 364+00

350+00

355+00

360+00

+97

MODEL: Default  
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USER NAME = tariqfm	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/31/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN**  
**US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**  
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

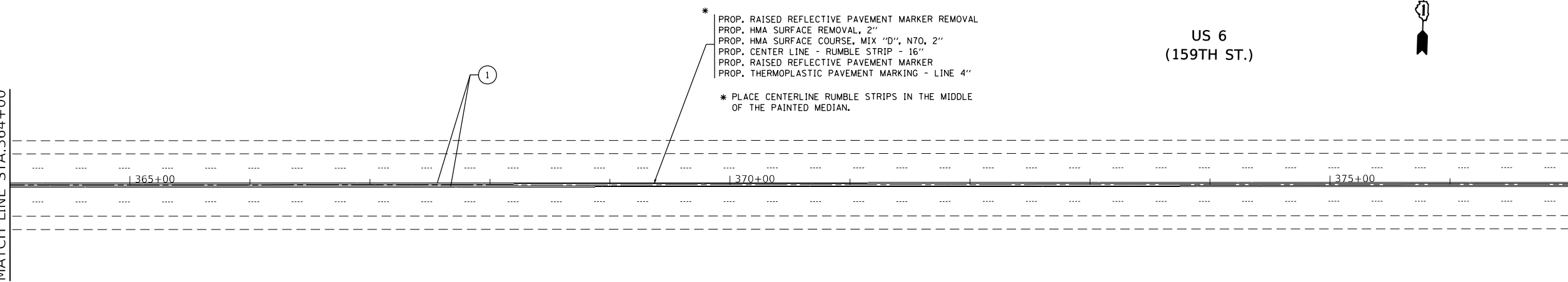
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	21
				CONTRACT NO. 62H22
				ILLINOIS FED. AID PROJECT



US 6  
(159TH ST.)

MATCH LINE STA. 364+00

MATCH LINE STA. 377+00

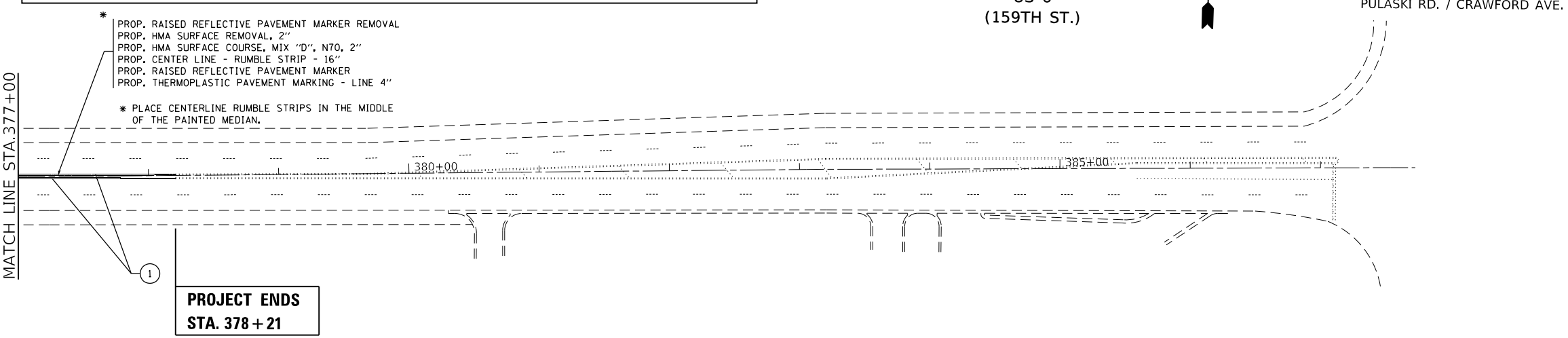


\* PROP. RAISED REFLECTIVE PAVEMENT MARKER REMOVAL  
 PROP. HMA SURFACE REMOVAL, 2"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 2"  
 PROP. CENTER LINE - RUMBLE STRIP - 16"  
 PROP. RAISED REFLECTIVE PAVEMENT MARKER  
 PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4"  
 \* PLACE CENTERLINE RUMBLE STRIPS IN THE MIDDLE OF THE PAINTED MEDIAN.

**PAVEMENT MARKING LEGEND**

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)                   | ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.) |
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| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)   | ⑪ THERMOPLASTIC PAVEMENT MARKING, 4" SINGLE SOLID YELLOW LINE (TYP.)                       |
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| ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 20' C-C (TYP.)                          | ⑮ POLYUREA PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                               |
| ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)                                 | ⑯ POLYUREA PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)              |

MATCH LINE STA. 377+00



\* PROP. RAISED REFLECTIVE PAVEMENT MARKER REMOVAL  
 PROP. HMA SURFACE REMOVAL, 2"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 2"  
 PROP. CENTER LINE - RUMBLE STRIP - 16"  
 PROP. RAISED REFLECTIVE PAVEMENT MARKER  
 PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4"  
 \* PLACE CENTERLINE RUMBLE STRIPS IN THE MIDDLE OF THE PAINTED MEDIAN.

**PROJECT ENDS  
 STA. 378 + 21**

US 6  
(159TH ST.)



PULASKI RD. / CRAWFORD AVE.

MODEL: Default  
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USER NAME = tariqfm	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/31/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
 US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**  
 SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	22
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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US 6 INTERSECTION	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SODDING, SALT TOLERANT	AGGREGATE BASE COURSE, TYPE B 6"	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N60	PROTECTIVE COAT	POTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	SIDEWALK REMOVAL	CLASS D PATCHES, TYPE II, 13 INCH	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	FRAMES AND GRATES TO BE ADJUSTED	FRAMES AND LIDS TO BE ADJUSTED	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	RELOCATE EXISTING PEDESTRIAN PUSHBUTTON	REBUILD EXISTING HANDHOLE	REMOVE EXISTING CONCRETE FOUNDATION	BIKE PATH REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CU YD	SQ YD	POUND	POUND	POUND	SQ YD	SQ YD	POUND	TON	SQ YD	SQ FT	SQ FT	SQ FT	SQ YD	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ YD	FOOT
	20200100	21101615	25000400	25000500	25000600	25200110	35101800	40600275	40603335	42001300	42400200	42400800	44000600	44201803	60255500	60260300	60300105	60300305	85000200	89500400	89502376	89502385	X0327036	Z0004562
94TH AVE.	10.0	19	0.24	0.24	0.24	19	0	0	0	111	680	66	680	0	0	0	1	0	1	0	1	0	0	105
ORLAND TOWNE CENTER COMMERCIAL ENTRANCE	5.0	25	0.31	0.31	0.31	25	0	0	0	127	800	160	800	0	0	0	1	0	0	6	0	0	0	113
PARKHILL DR. / 91ST AVE.	4.0	12	0.15	0.15	0.15	12	0	0	0	82	600	36	600	0	2	0	1	0	1	0	1	0	0	44
HAVEN AVE.	0.0	1	0.01	0.01	0.01	1	0	0	0	8	35	12	35	0	0	0	0	0	0	0	0	0	0	12
88TH AVE.	2.0	5	0.06	0.06	0.06	5	0	0	0	39	248	20	248	0	0	0	1	0	0	0	0	0	0	34
ORLAN BROOK DR.	8.0	16	0.20	0.20	0.20	16	0	0	0	46	250	40	250	0	1	0	0	0	0	0	0	0	0	52
86TH AVE.	3.0	15	0.19	0.19	0.19	15	0	0	0	36	250	20	250	0	1	0	0	0	0	0	0	0	0	24
84TH AVE.	4.0	39	0.48	0.48	0.48	39	0	0	0	86	529	70	529	0	0	2	0	0	0	0	0	0	0	79
80TH AVE.	3.0	20	0.25	0.25	0.25	20	0	0	0	46	313	72	313	0	0	0	0	0	0	0	0	0	0	32
78TH AVE.	3.0	10	0.12	0.12	0.12	10	0	0	0	32	213	20	213	0	1	0	0	0	0	0	0	0	0	24
76TH AVE.	6.0	15	0.19	0.19	0.19	15	0	0	0	55	359	52	359	0	0	1	0	0	0	0	0	0	0	45
PARK CENTER DR.	8.0	20	0.25	0.25	0.25	20	0	0	0	67	377	48	377	0	0	0	0	0	1	2	2	0	0	73
71ST CT.	0.0	4	0.05	0.05	0.05	4	0	0	0	11	60	12	60	0	0	0	0	0	0	0	0	0	0	12
RIDGELAND AVE.	5.5	25	0.31	0.31	0.31	25	27	61	3	84	527	64	245	0	0	0	0	0	0	3	0	1	60	76
ROB ROY DR.	3.5	10	0.12	0.12	0.12	10	0	0	0	41	253	30	253	0	0	0	0	2	0	0	0	0	0	36
ARROYO DR.	6.5	15	0.19	0.19	0.19	15	9	20	1	77	484	46	526	0	0	0	0	0	0	3	0	0	9	67
TERRACE DR.	5.0	10	0.12	0.12	0.12	10	0	0	0	53	332	24	332	0	0	0	0	0	0	0	0	0	0	48
PEGGY LN.	5.0	10	0.12	0.12	0.12	10	0	0	0	41	246	20	246	0	0	0	0	1	0	0	0	0	0	40
OAK FOREST COMMONS COMMERCIAL ENTRANCE	6.0	20	0.25	0.25	0.25	20	0	0	0	31	200	40	200	0	0	0	0	1	0	0	0	0	0	24
DEBRA DR.	3.0	10	0.12	0.12	0.12	10	0	0	0	26	157	24	157	0	0	0	0	0	0	0	0	0	0	24
LONG AVE.	3.0	10	0.12	0.12	0.12	10	0	0	0	49	314	30	314	0	0	0	0	0	0	0	0	0	0	42
LOREL AVE.	4.5	15	0.19	0.19	0.19	15	0	0	0	47	212	33	212	0	1	0	0	0	0	0	0	0	0	70
LOCKWOOD AVE.	3.0	10	0.12	0.12	0.12	10	0	0	0	35	197	24	197	6	0	0	0	0	0	0	0	0	0	38
LATROBE AVE.	3.0	10	0.12	0.12	0.12	10	0	0	0	25	134	20	134	0	0	0	0	0	0	0	0	0	0	28
LARAMIE AVE.	8.0	20	0.25	0.25	0.25	20	0	0	0	57	342	44	342	0	0	0	0	0	1	5	1	0	0	56
LE CLAIRE AVE.	8.0	16	0.20	0.20	0.20	16	0	0	0	58	336	45	336	0	1	0	0	0	0	0	0	0	0	61
<b>TOTAL</b>	<b>120.0</b>	<b>382</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>382</b>	<b>36</b>	<b>81</b>	<b>4</b>	<b>1370</b>	<b>8448</b>	<b>1072</b>	<b>8208</b>	<b>6</b>	<b>7</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>19</b>	<b>5</b>	<b>1</b>	<b>69</b>	<b>1259</b>

USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

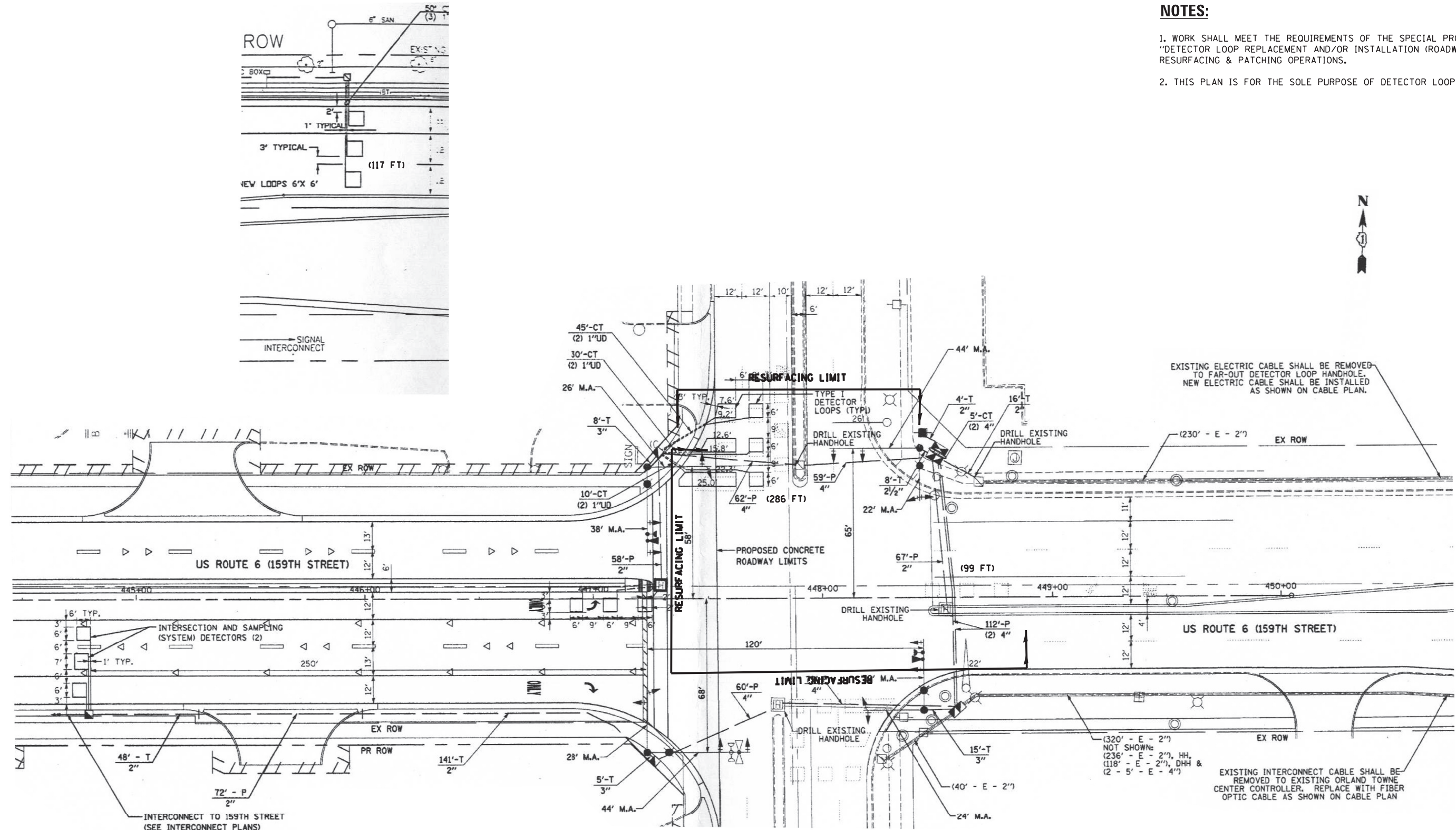
**SIDEWALK DETAIL PLAN - SCHEDULE OF QUANTITIES**  
**US 6 (159TH ST.) - 94TH AVE. TO W/O PULASKI RD./CRAWFORD AVE.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	23
CONTRACT NO. 62H22				
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	502	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA\AS\Design\2018\62H22\CADD	REVISED - US 6 159th St @ 94th St.dgn
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/8/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN**  
**U.S. Rte. 6 (159TH ST.) AT 94TH AVE.**

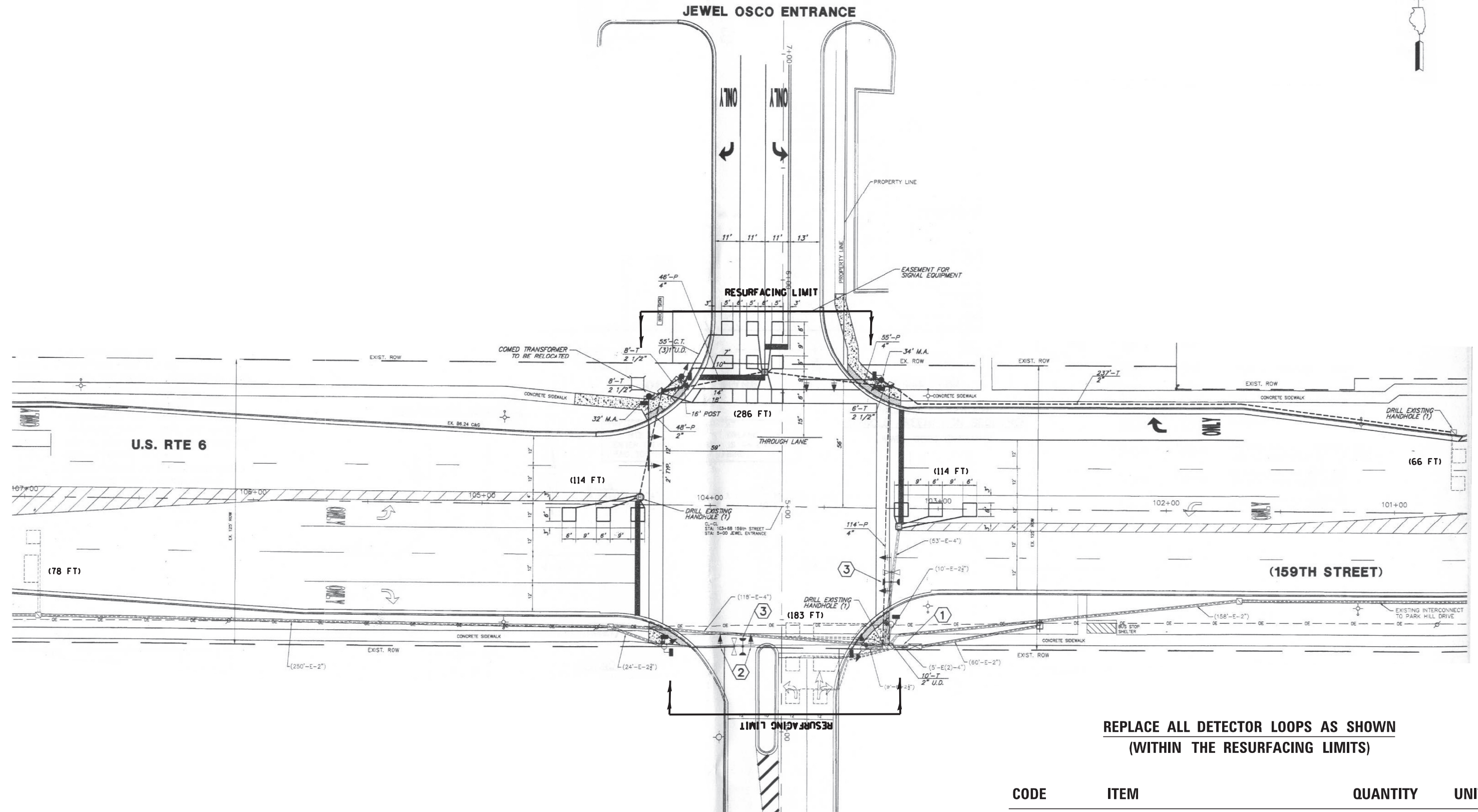
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	24
<b>CONTRACT NO. 62H22</b>				
ILLINOIS FED. AID PROJECT				



**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.



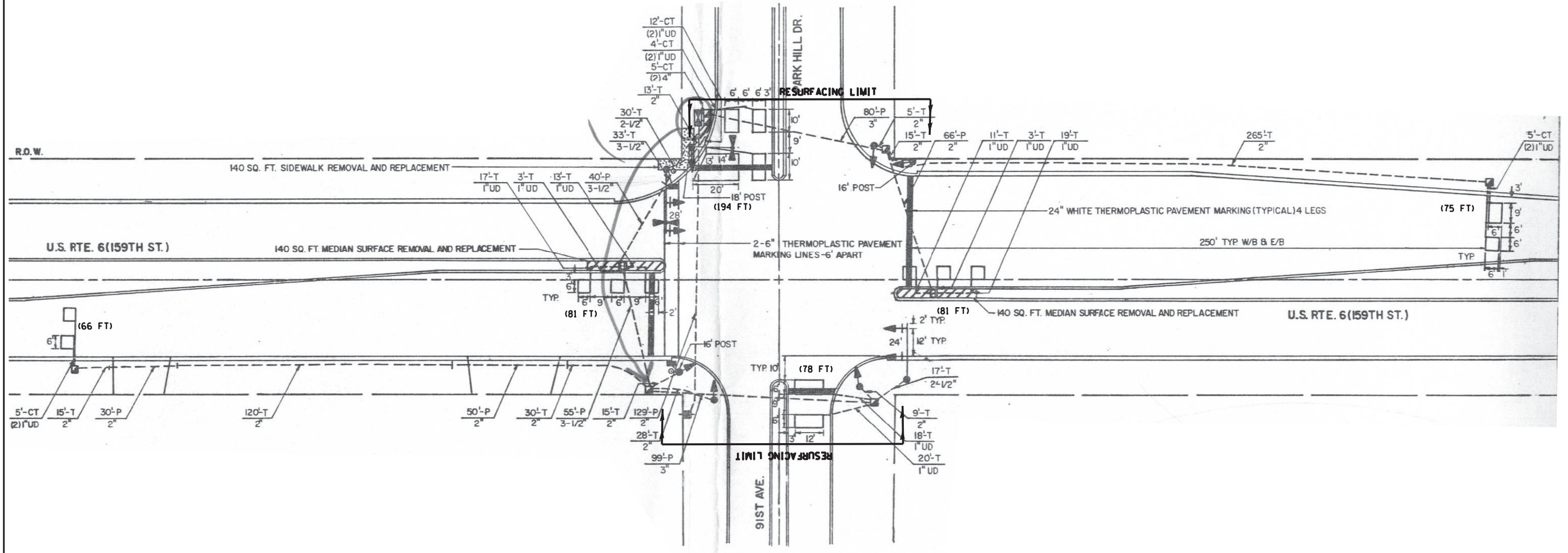
**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	841	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN U.S. Rte. 6 (159TH ST.) AT JEWEL ORLAND TOWN CENTER</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\SN\B.of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISED -			351	2018-069-RS	COOK	53	25
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			<b>CONTRACT NO. 62H22</b>				
	PLOT DATE = 11/8/2018	DATE - 11/08/2018	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)**

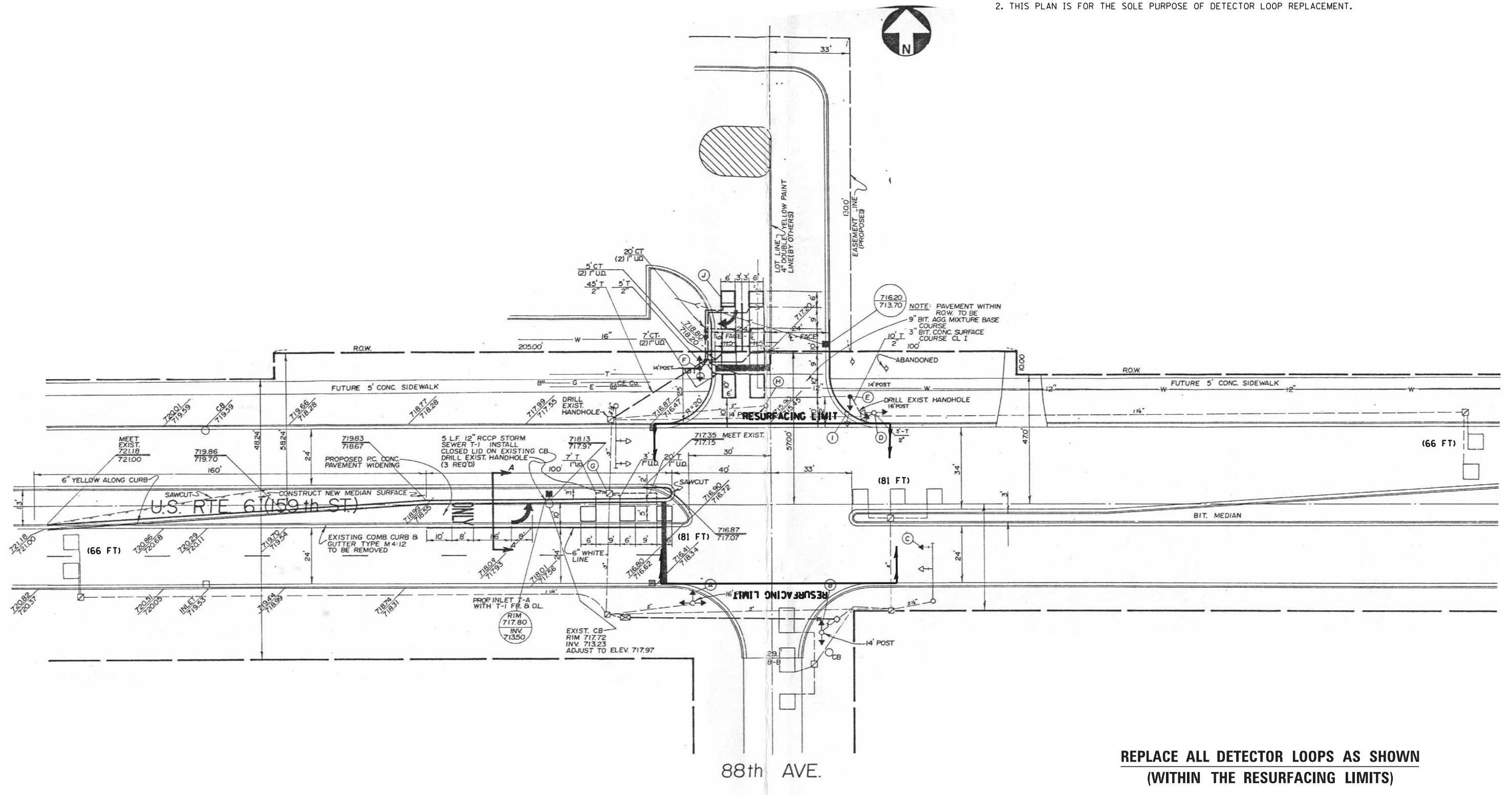
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	575	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN U.S. Rte. 6 (159TH ST.) AT 91ST AVE /PARK HILL DR.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\SN\B.of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISED -			351	2018-069-RS	COOK	53	26	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			<b>CONTRACT NO. 62H22</b>					
	PLOT DATE = 11/8/2018	DATE - 11/08/2018	REVISED -			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	294	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISED - US 6 159th St @ 88th Ave.dgn
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/8/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT 88TH AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

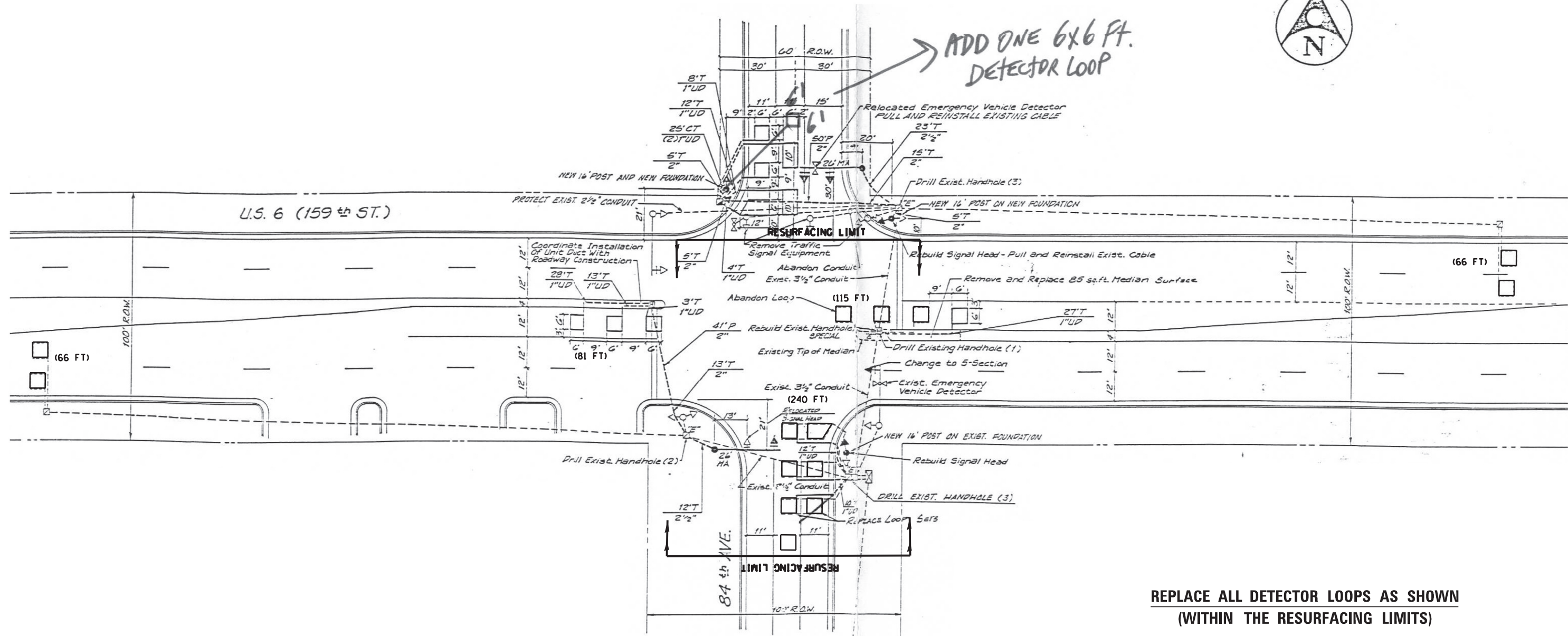
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	27
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				

**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.



ADD ONE 6x6 FT. DETECTOR LOOP



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	568	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN_B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISED - US 6 159th St @ 84th Ave.dwg
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/9/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT 84TH AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

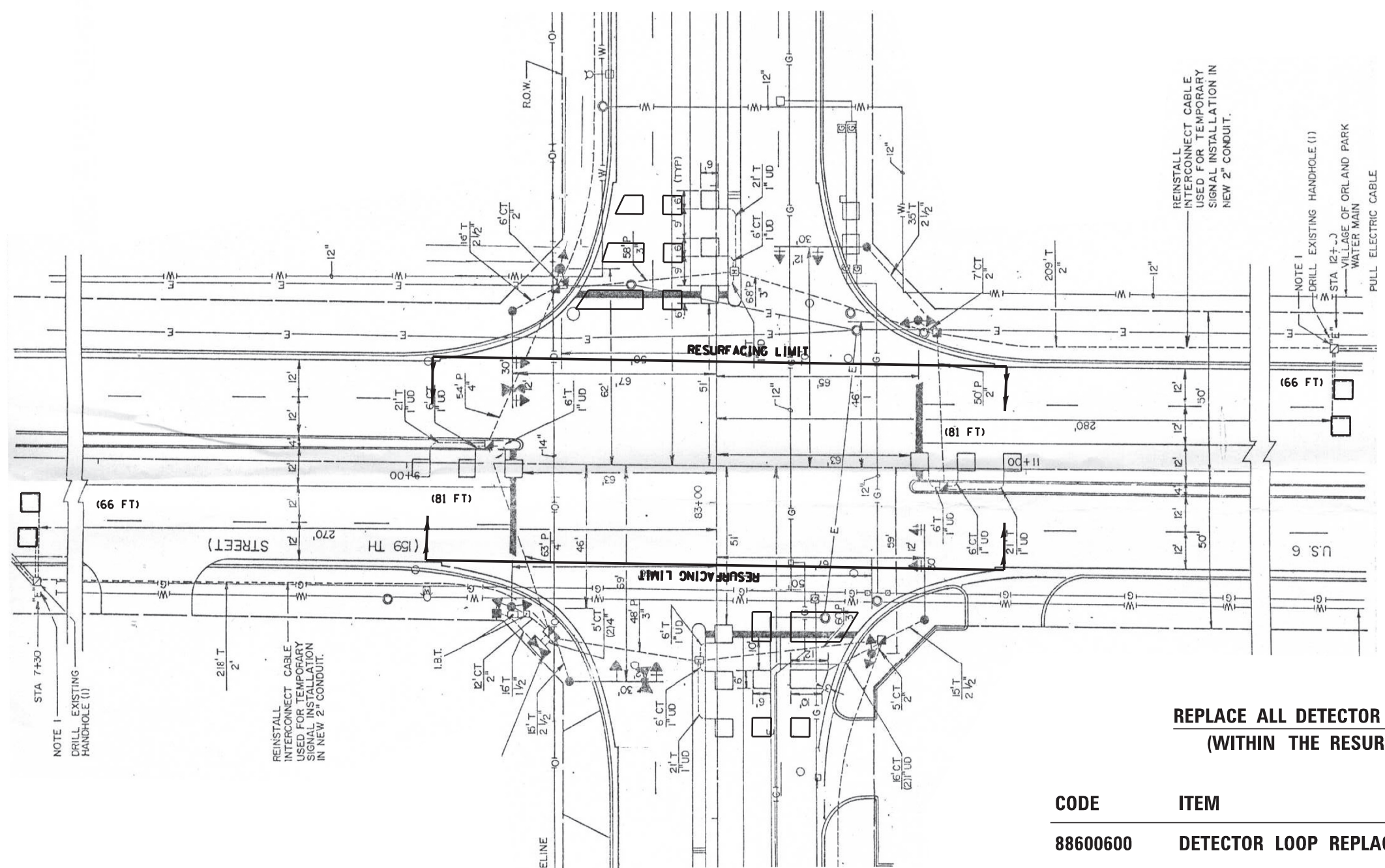
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	28
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				





**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)**

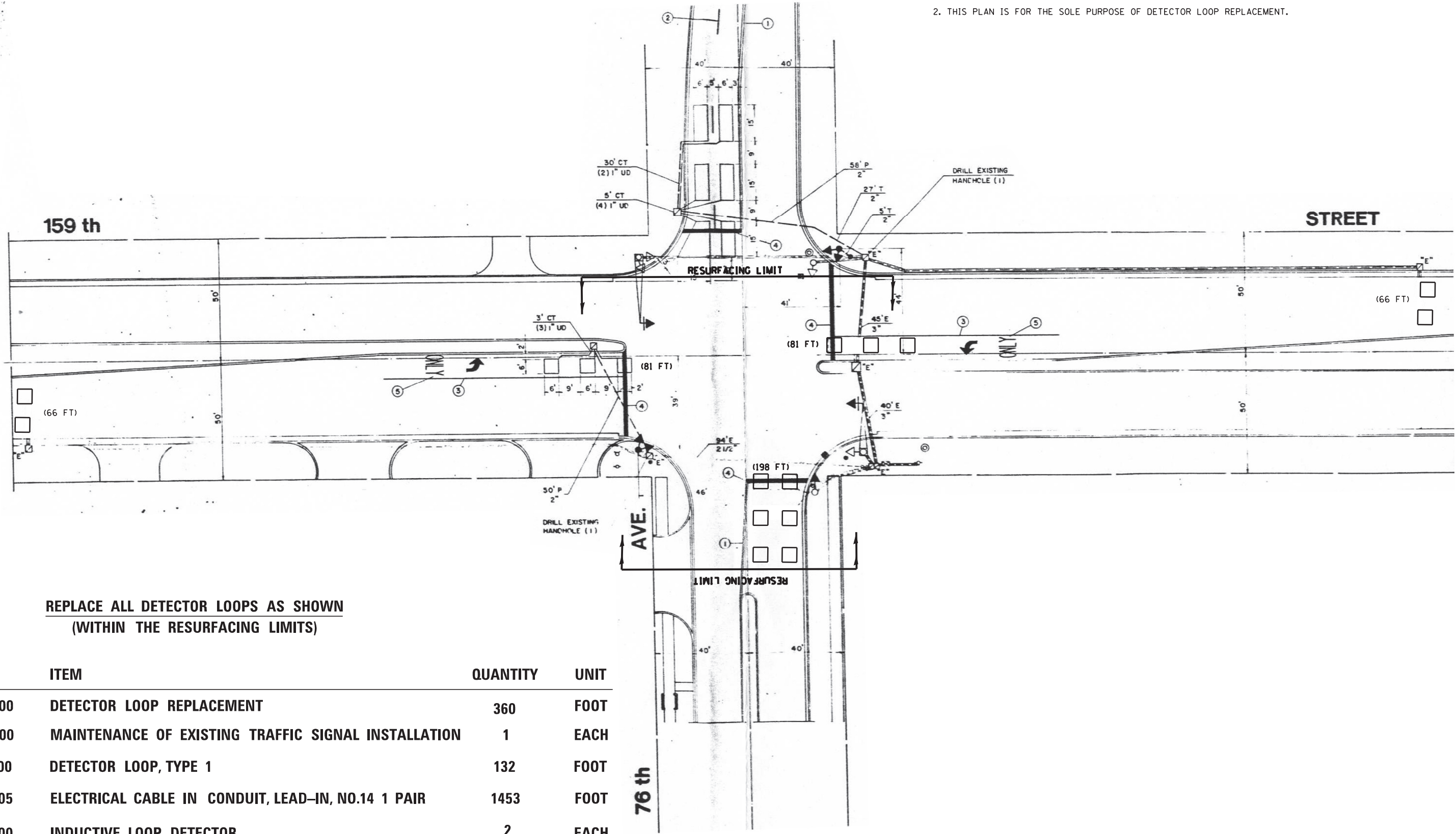
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	294	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN U.S. Rte. 6 (159TH ST.) AT 80TH AVE.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISIONS - US 6 159th St @ 80th Ave.dgn			351	2018-069-RS	COOK	53	29	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			<b>CONTRACT NO. 62H22</b>					
	PLOT DATE = 11/9/2018	DATE - 11/08/2018	REVISED -			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	360	FOOT
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
88600100	DETECTOR LOOP, TYPE 1	132	FOOT
87301305	ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	1453	FOOT
88500100	INDUCTIVE LOOP DETECTOR	2	EACH

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA\DA\DA\DA\2018\62H22\CADD	REVISED - US 6 159th St @ 76th Ave.dgn
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/9/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT 76TH AVE.**

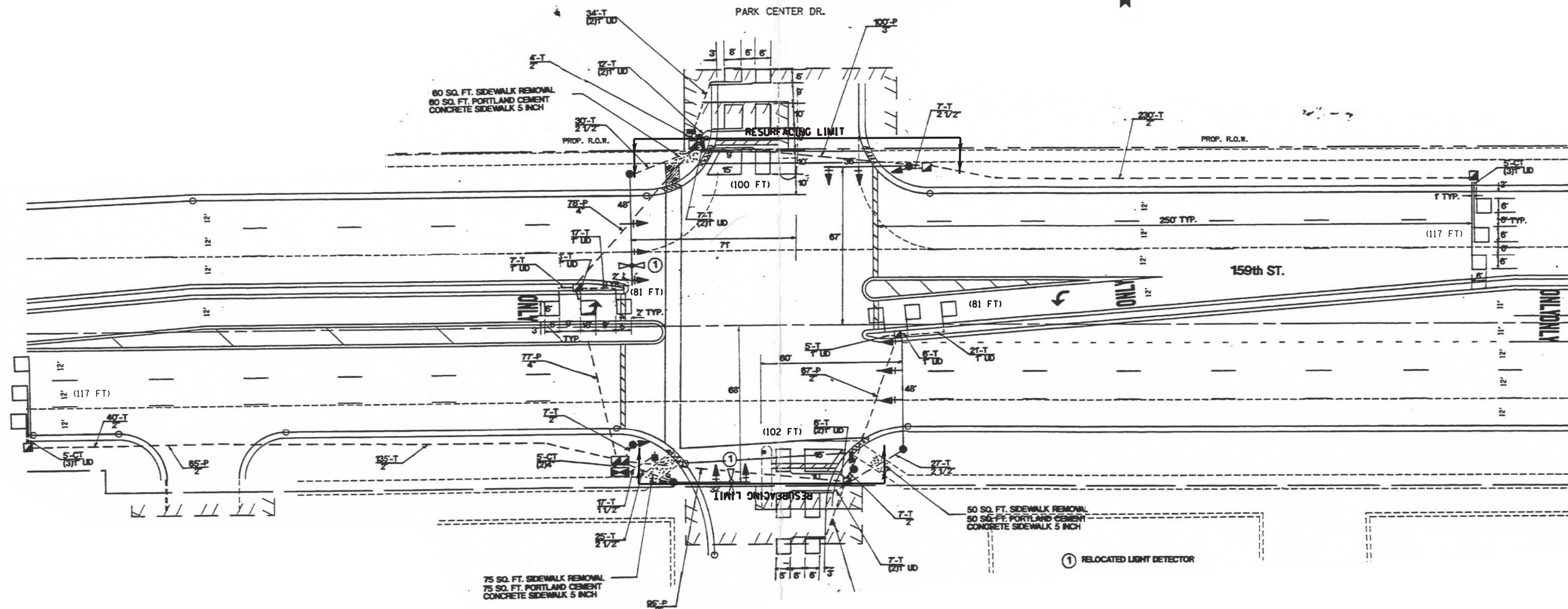
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	30
<b>CONTRACT NO. 62H22</b>				
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.



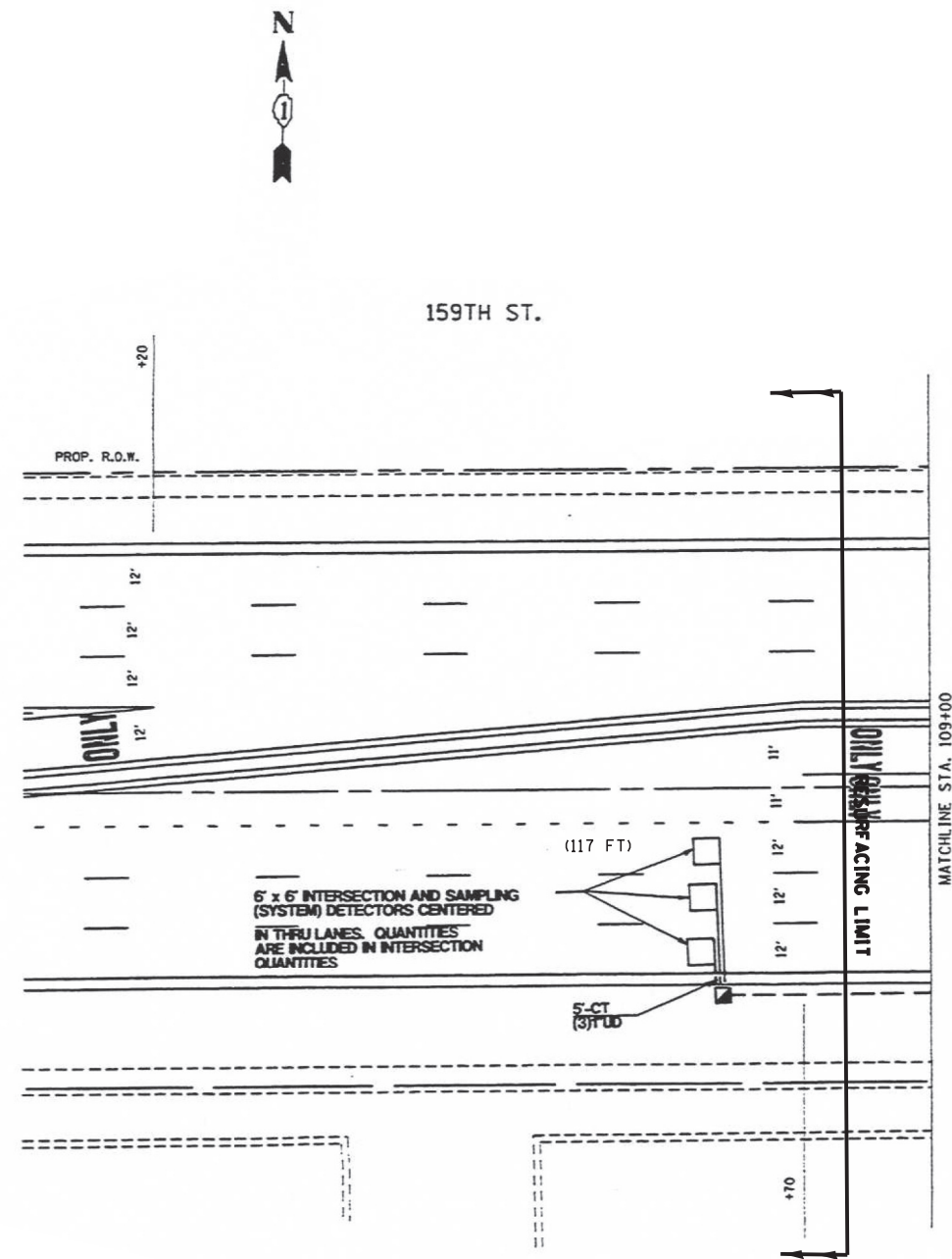
**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	598	FOOT

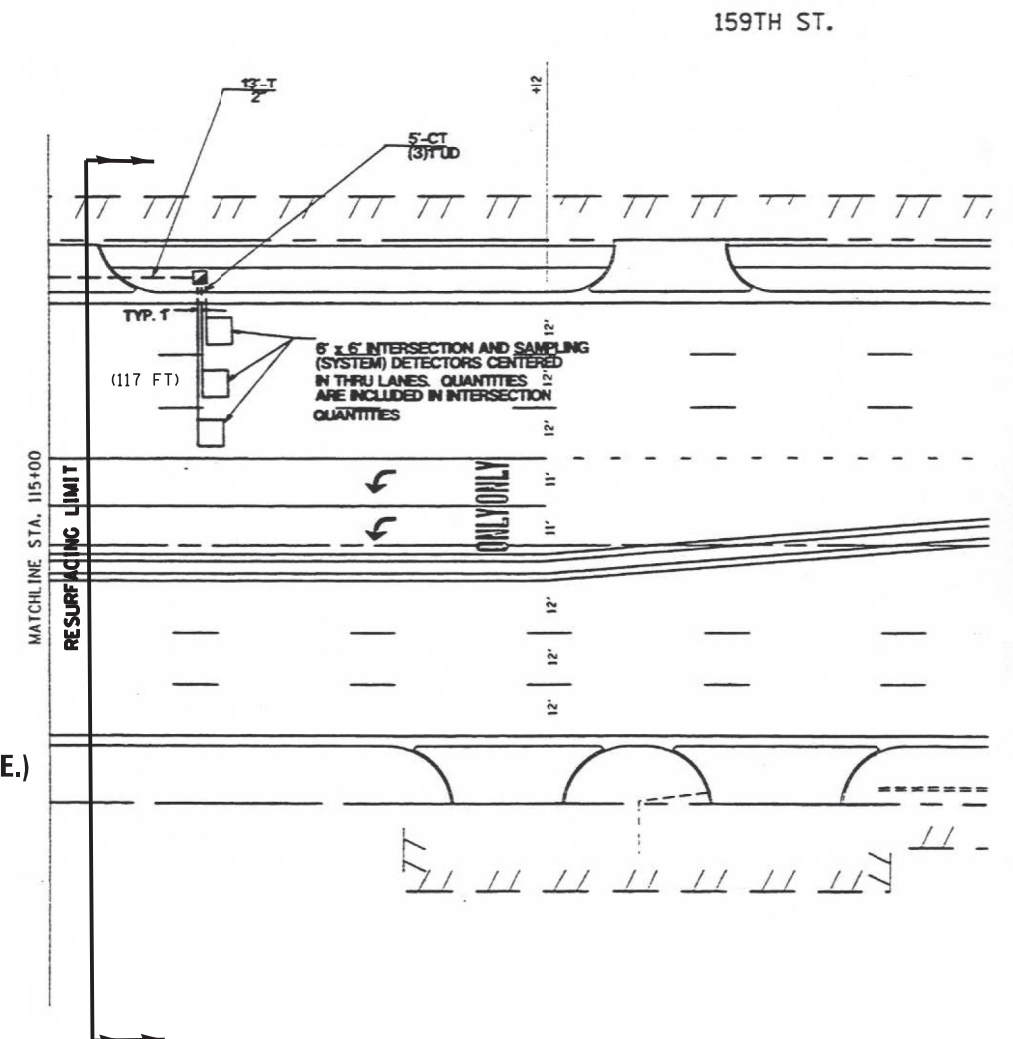
FILE NAME = S:\WP\Design\SN\B.of Design - Detector	USER NAME = nguyensm	DESIGNED - SN	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN U.S. Rte. 6 (159TH ST.) AT PARK CENTER DRIVE</b>	F.A.P. RTE. 351	SECTION 2018-069-RS	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 31
Default	Loops Replacement - Resurfacing project -	DRAWN - ADA\... 2018\62H22\CADD	REVISED - US 6 159th St @ Park Center.dgn			CONTRACT NO. 62H22				
	PLOT SCALE = 40.0000 ' / in.	CHECKED - SN	REVISED -			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.



U.S. Rte. 6 (159TH ST.) AT IL. Rte. 43 (HARLEM AVE.)



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	234	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B.of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA\DA\DA\DA\2018\62H22\CADD	REVISED - US 6 159th St @ IL 43 Harlem Ave.dgn
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/26/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

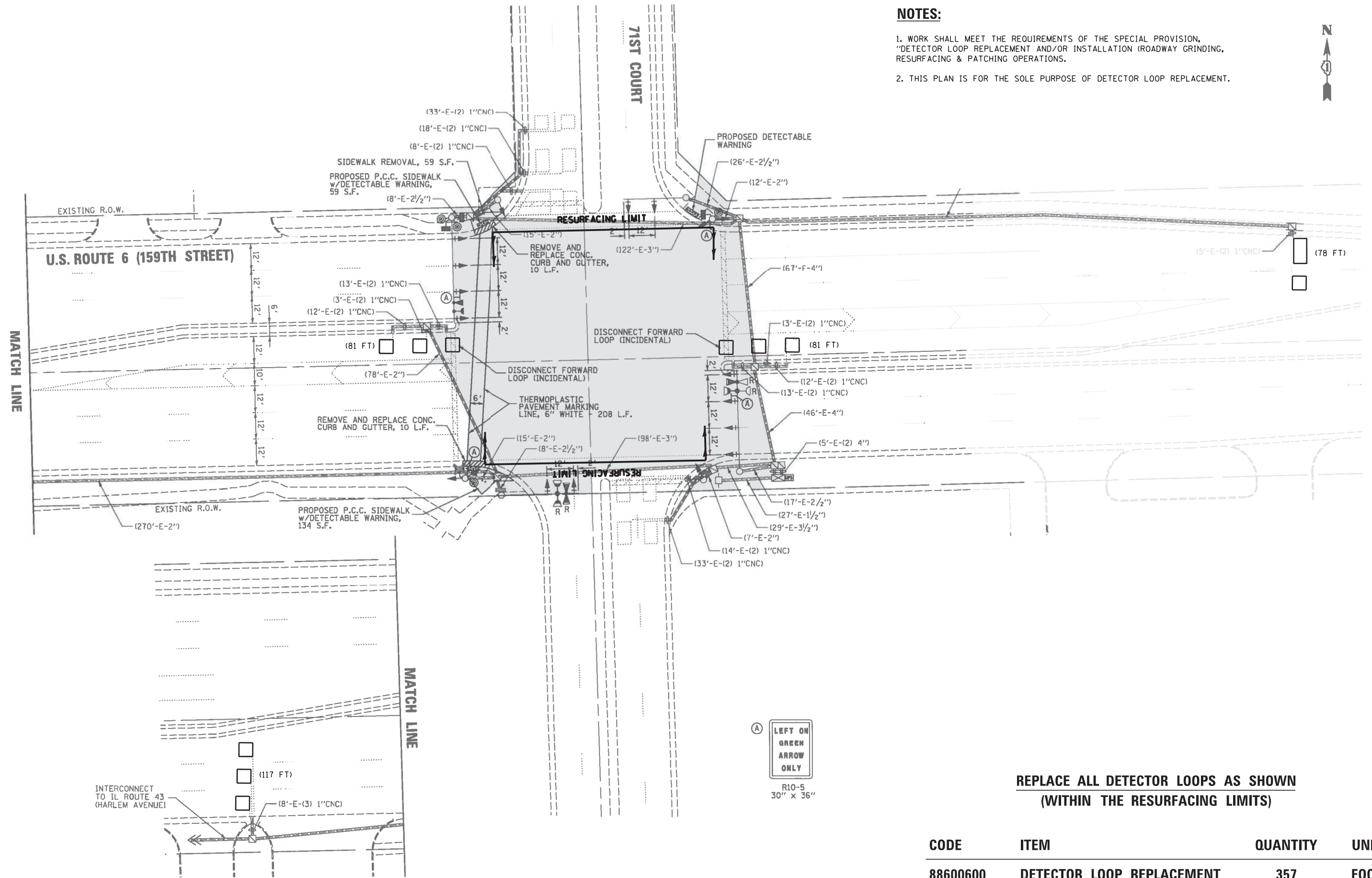
<b>DETECTOR LOOP REPLACEMENT PLAN</b>			
<b>U.S. Rte. 6 (159TH ST.) AT IL. Rte. 43 (HARLEM AVE.)</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	32
CONTRACT NO. 62H22				
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	357	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B.of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA\CSM\2018\62H22\CADD	REVISED - US 6 159th St @ 71st Ct.dgn
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/26/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

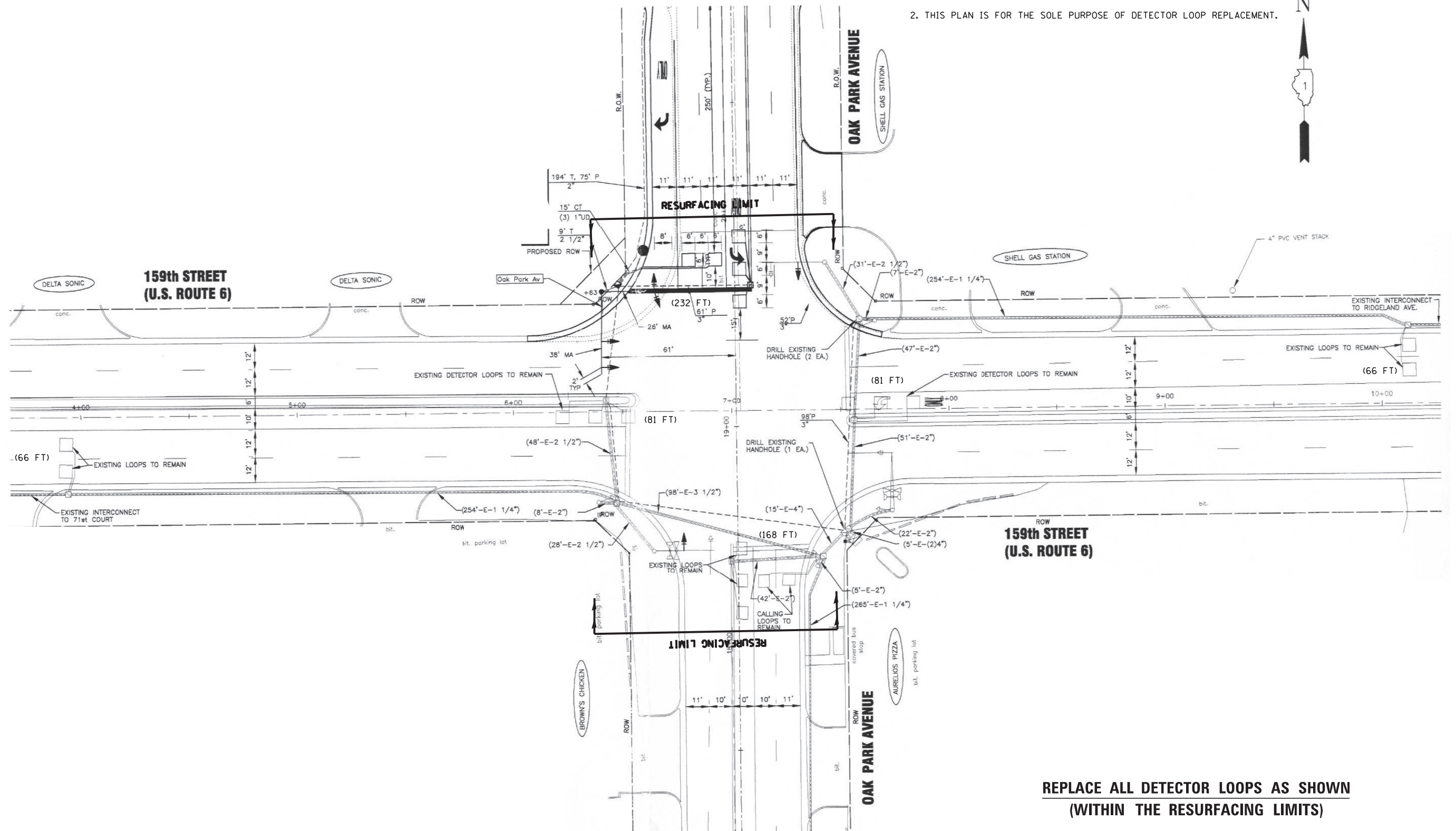
**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT 71ST CT.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	33
CONTRACT NO. 62H22				
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	694	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA\Design\2018\62H22\CADD	REVISED - US 6 159th St @ Oak Park Ave\dgn
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/26/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT OAK PARK AVE.**

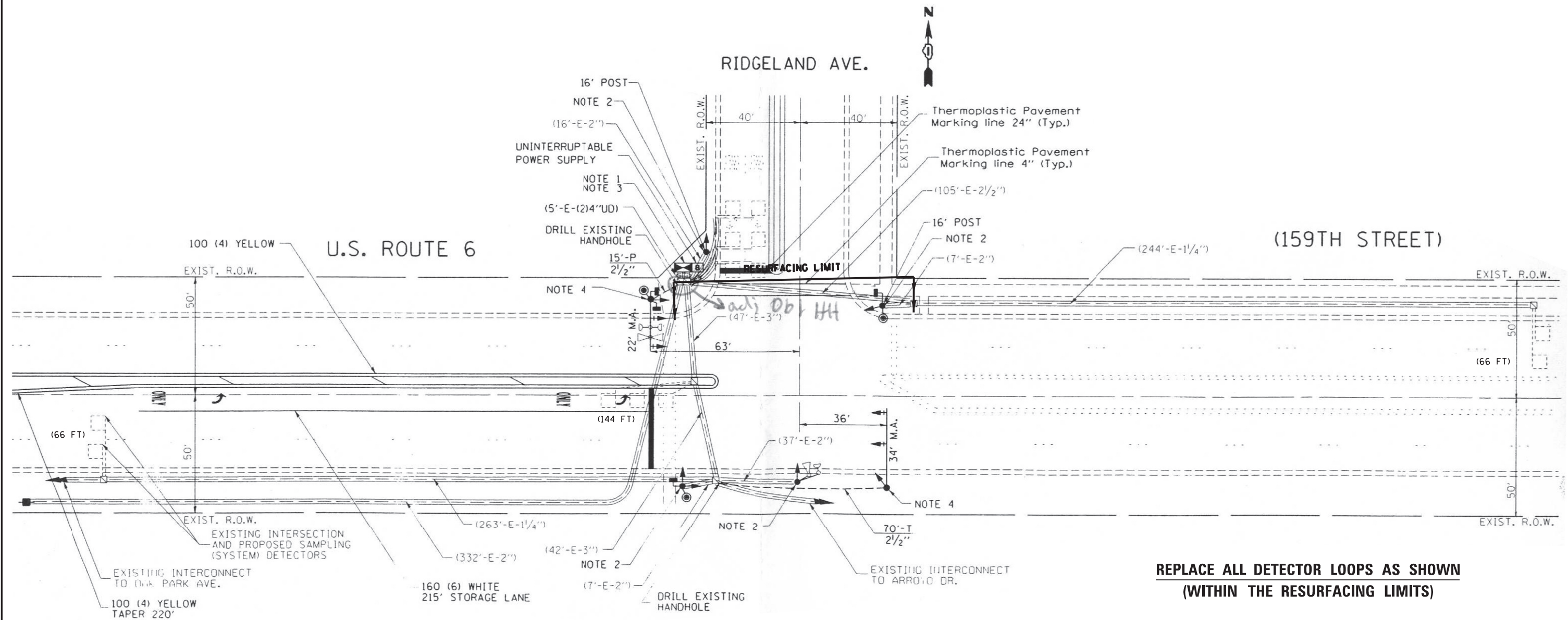
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	34
CONTRACT NO. 62H22				
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	276	FOOT

FILE NAME =	USER NAME = nguyenam	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B.of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA\DA\DA\DA\2018\62H22\CADD	REVISED - US 6 159th St @ Ridgeland Ave.dgn
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/26/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT RIDGELAND AVE.**

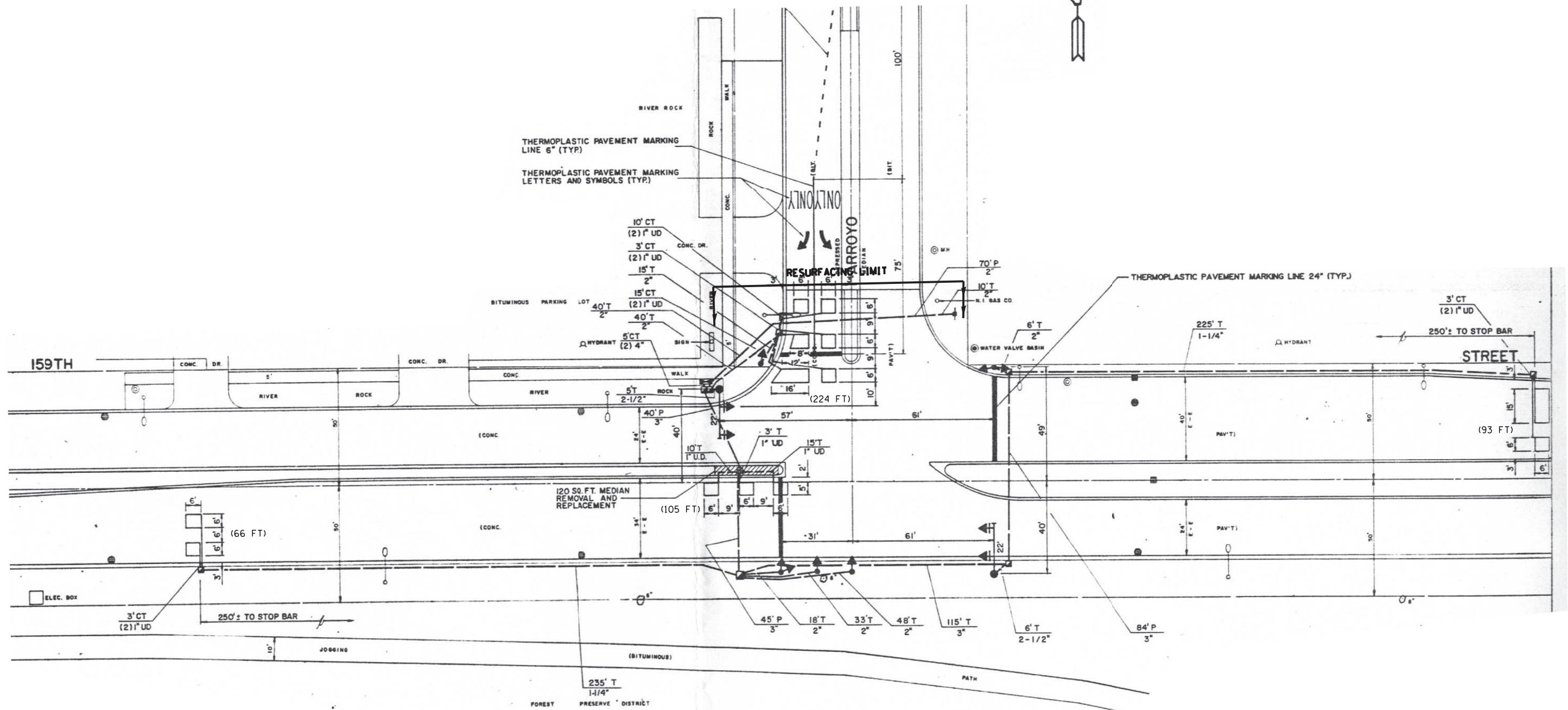
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	35
CONTRACT NO. 62H22				
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	488	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B.of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISED - US 6 159th St @ Arroyo Dr
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/26/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT ARROYO DR.**

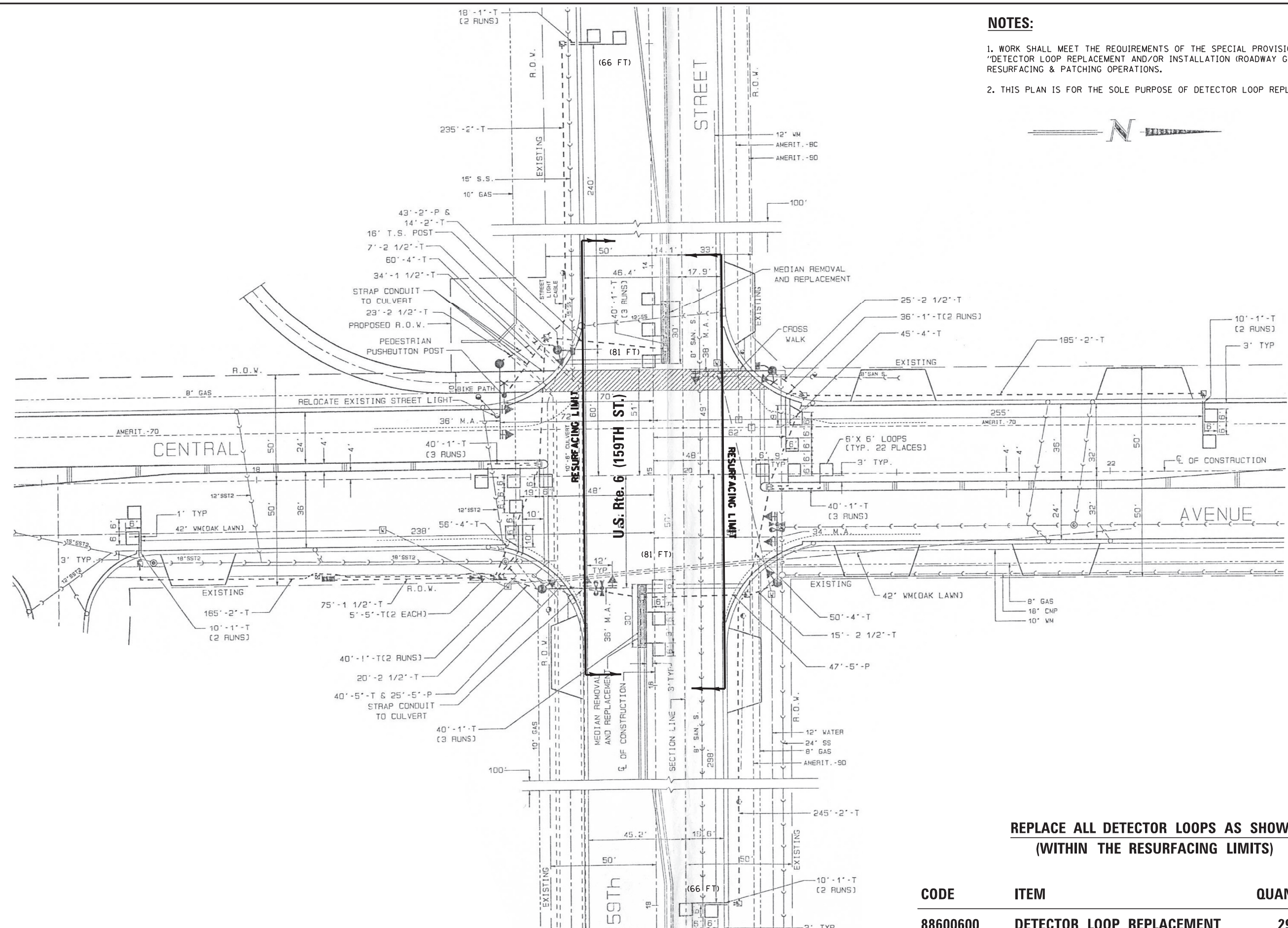
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	36
CONTRACT NO. 62H22				
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	294	FOOT

FILE NAME =	USER NAME = nguyenam	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISION - US 6 159th St @ Central Avenue
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/27/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT CENTRAL AVE**

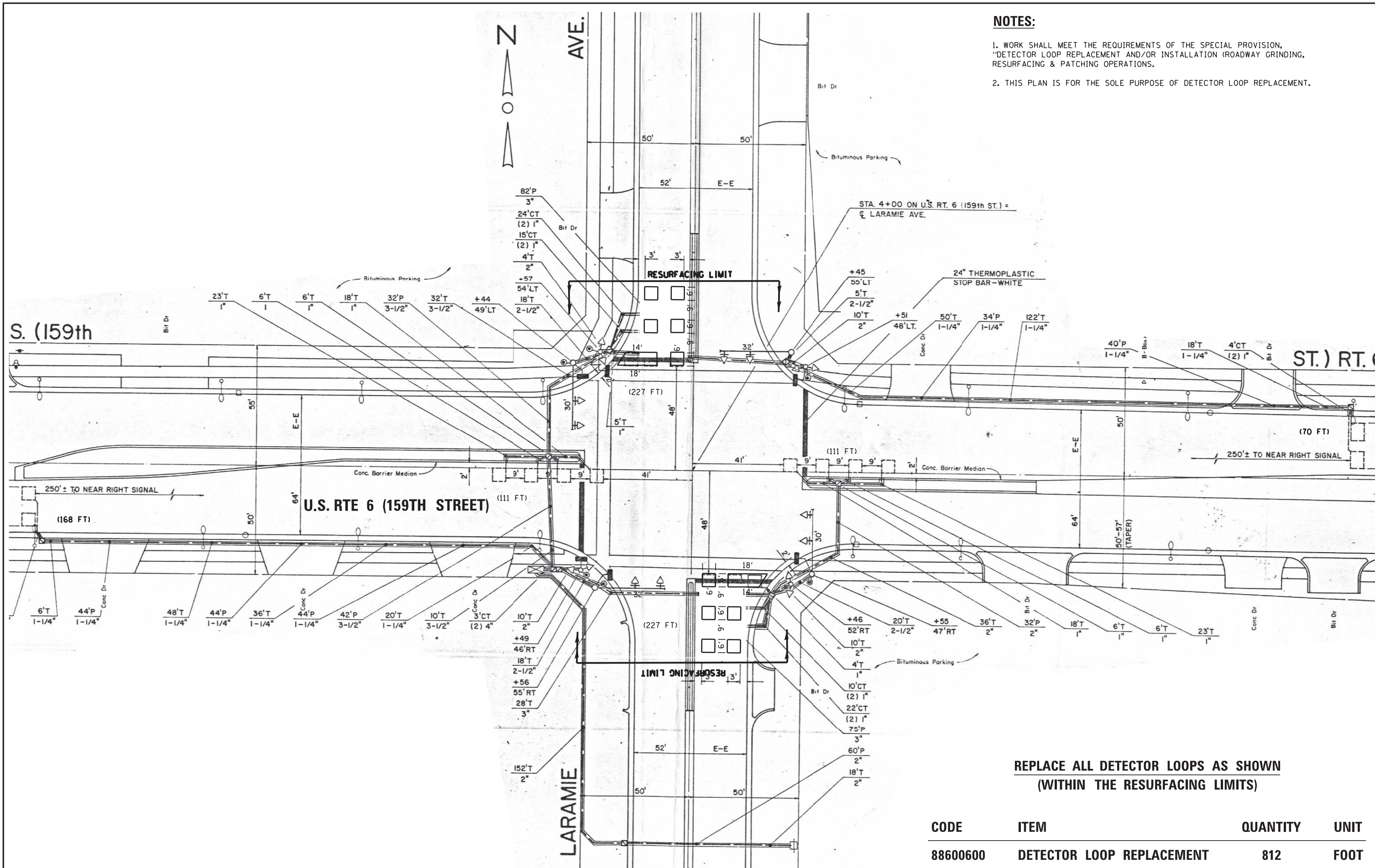
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	37
CONTRACT NO. 62H22				
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	812	FOOT

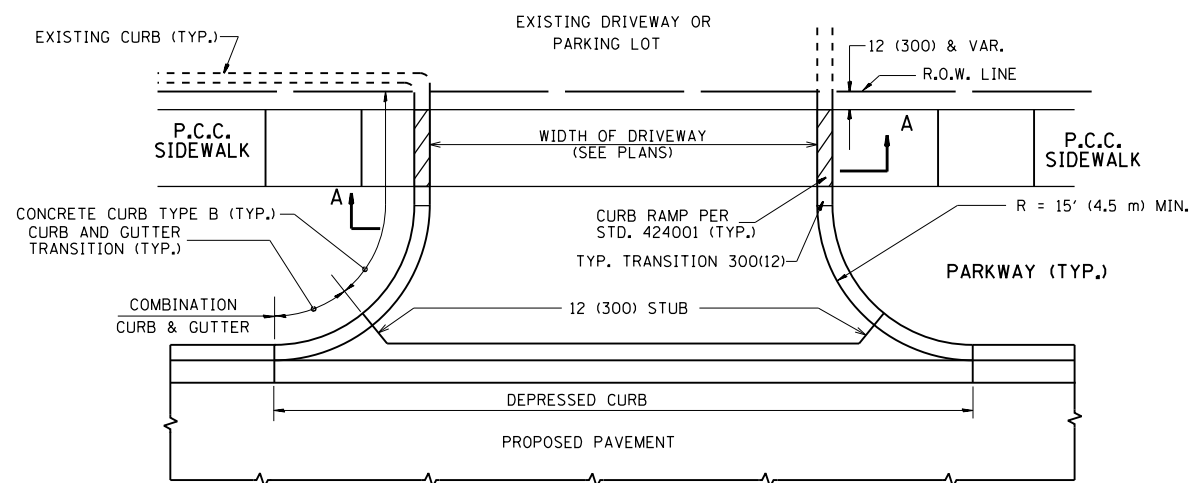
FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA\DA\DA\DA\2018\62H22\CADD	REVISED - US 6 159th St @ Laramie Ave.
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/27/2018	DATE - 11/08/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

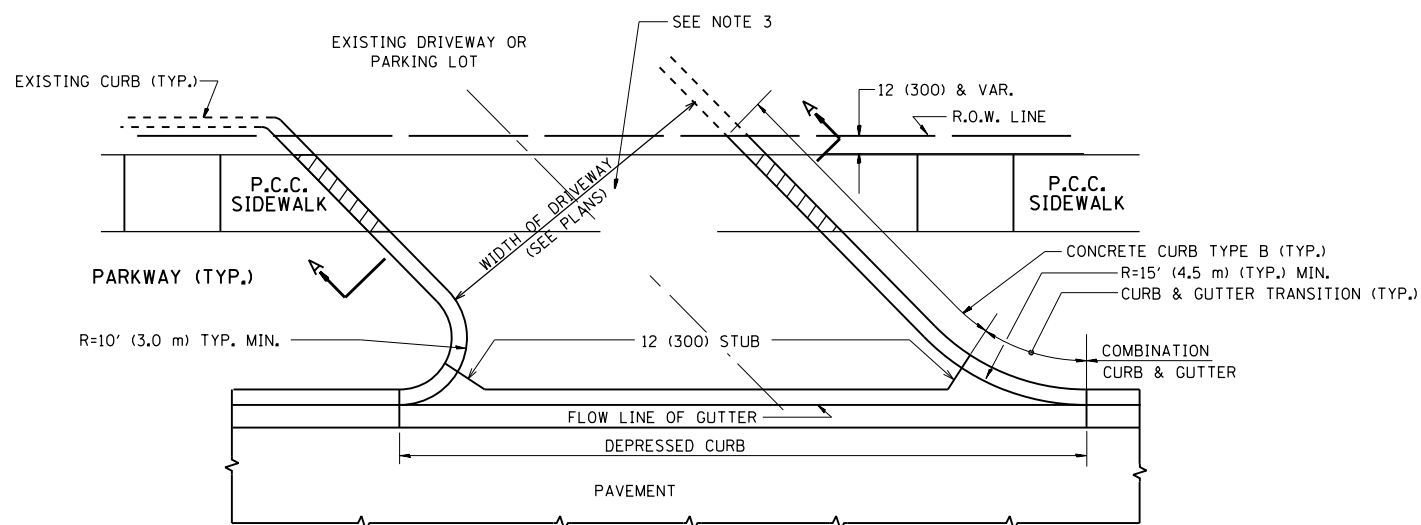
**DETECTOR LOOP REPLACEMENT PLAN  
U.S. Rte. 6 (159TH ST.) AT LARAMIE AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

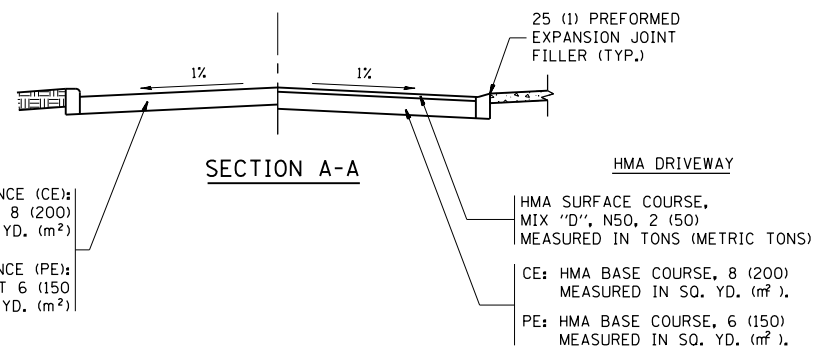
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	38
CONTRACT NO. 62H22				
ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B

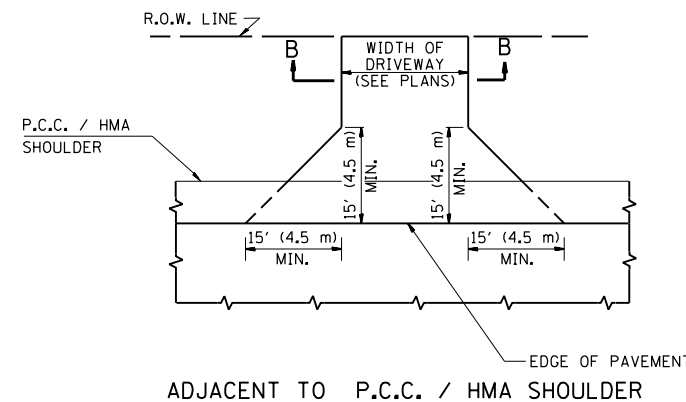


WITH CONCRETE CURB, TYPE B

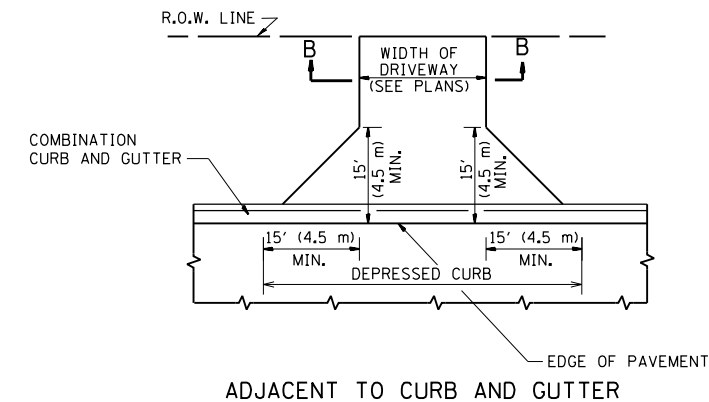


**RIGID DRIVEWAY**  
 COMMERCIAL ENTRANCE (CE):  
 P.C.C. DRIVEWAY PAVEMENT 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)  
 NON-COMMERCIAL ENTRANCE (PE):  
 P.C.C. DRIVEWAY PAVEMENT 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)

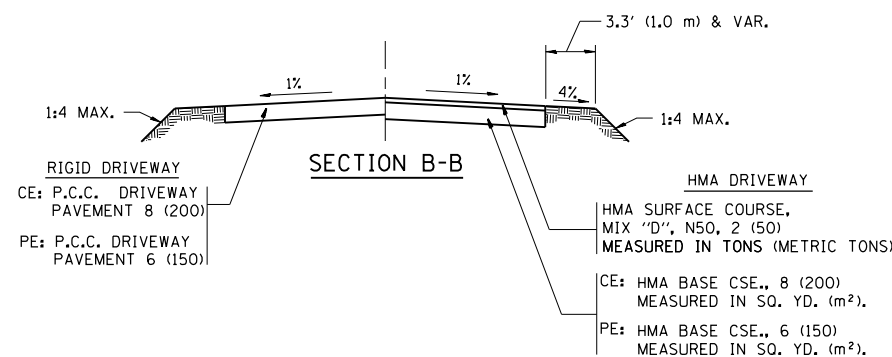
**HMA DRIVEWAY**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE COURSE, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>),  
 PE: HMA BASE COURSE, 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



**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.

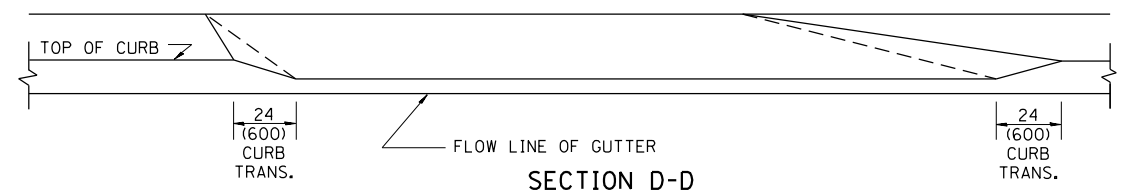
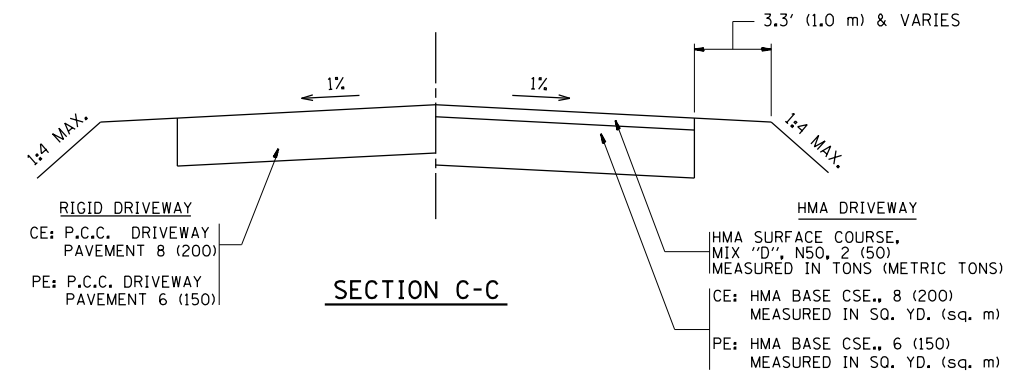
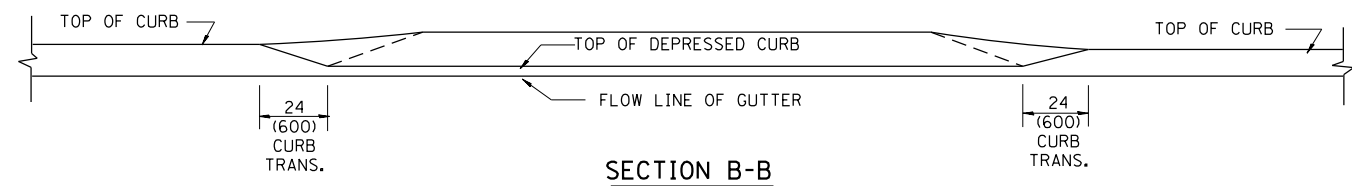
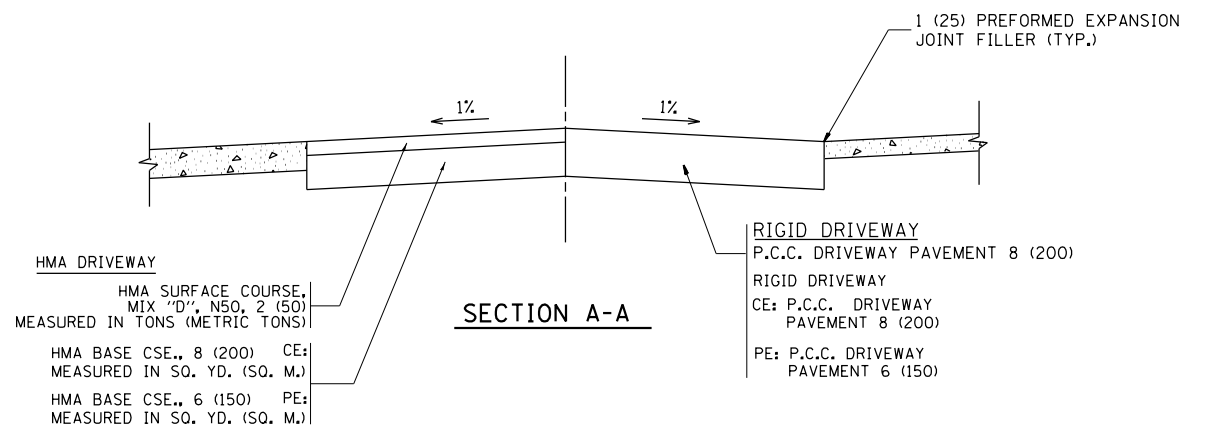
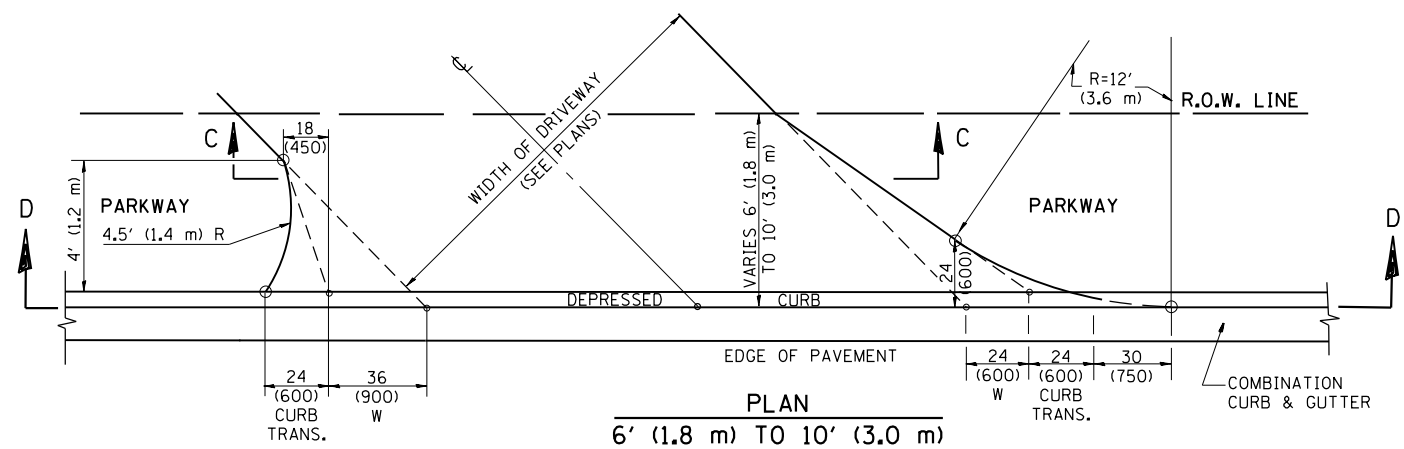
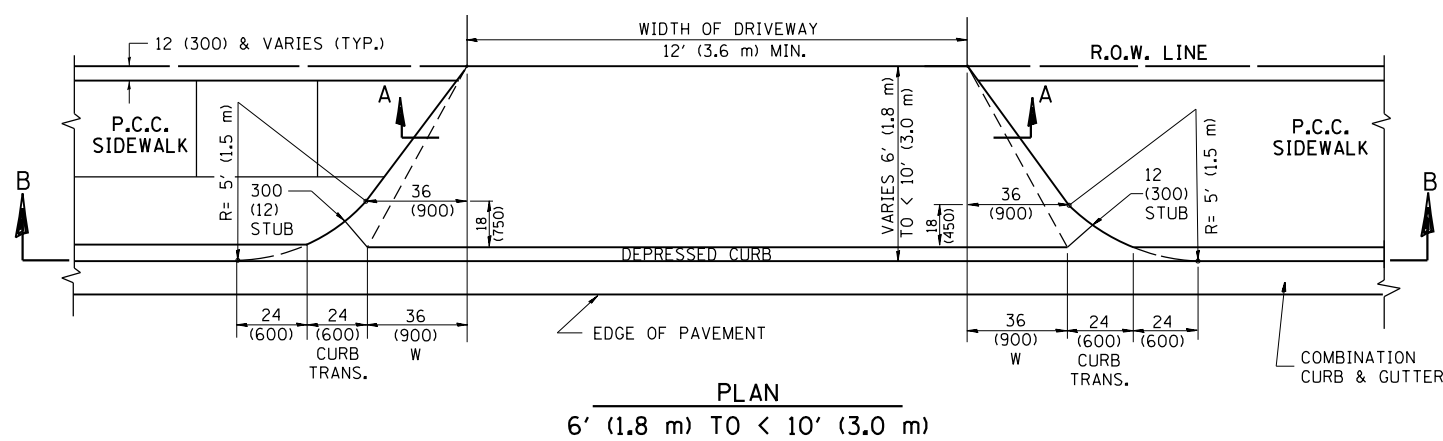
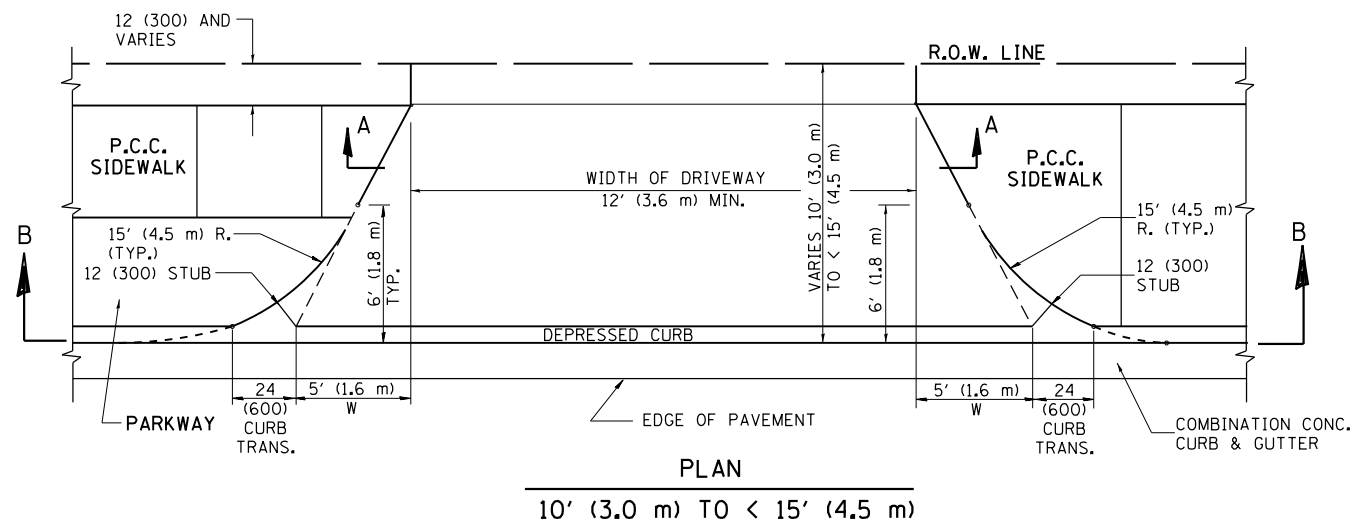
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = toriafm	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0161\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-04-95	REVISED - R. BORO 06-11-08
			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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-R5	COOK	53	39
BD0156-07 (BD-01)		CONTRACT NO. 62H22		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**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 ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF 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.

THE 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.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

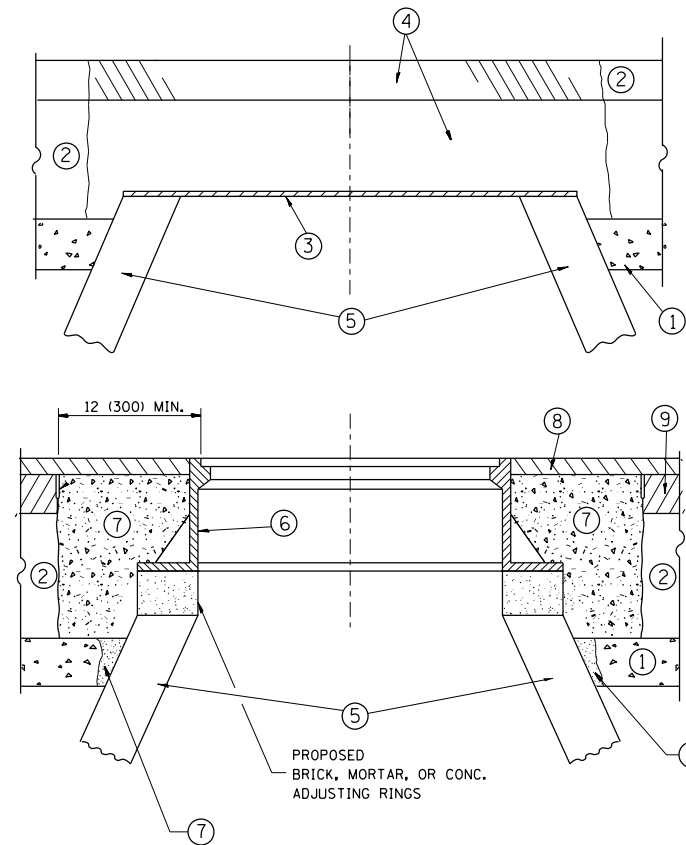
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = toriafm	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI01\BRAWN\Design\DistStd.dgn		CHECKED -	REVISED - P. LaFLEUR 04-15-03
		DATE - 11-06-95	REVISED - R. BORO 01-01-07
			REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	40
BD400-02 (BD-02)			CONTRACT NO. 62H22	
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

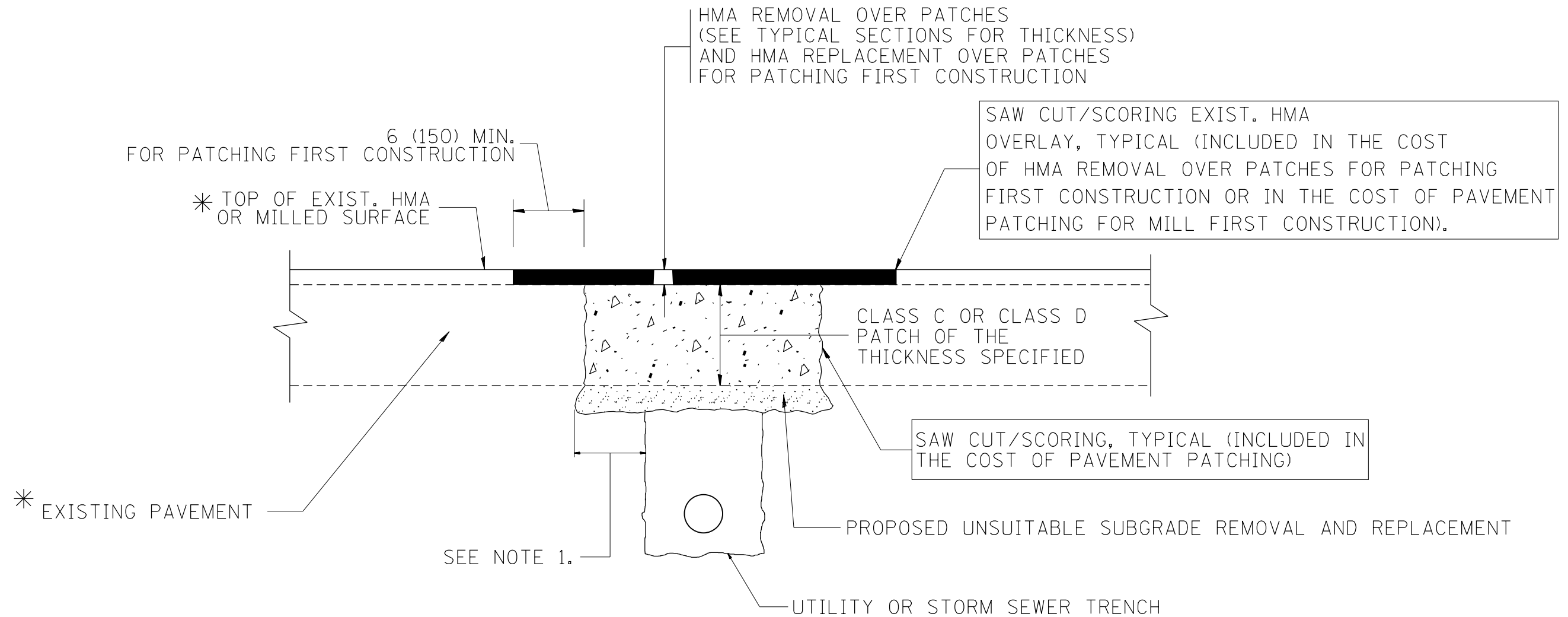
FILE NAME =	USER NAME = toriafm	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0161\BRAW\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 10-25-94	REVISED - R. BORO 03-09-11
			REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	41
<b>BD600-03 (BD-8)</b>		<b>CONTRACT NO. 62H22</b>		
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 = tar1qfm	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0161\BROWNS\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					351	2018-069-RS	COOK	53	42
	PLOT DATE = 1/31/2019	DATE - 10-25-94	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22)</b>			<b>CONTRACT NO. 62H22</b>				
			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.

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).

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.)

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".

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)  
1/4" (5) \*\*

18" (450) MAX.

3" (75) MIN.

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

\* 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.

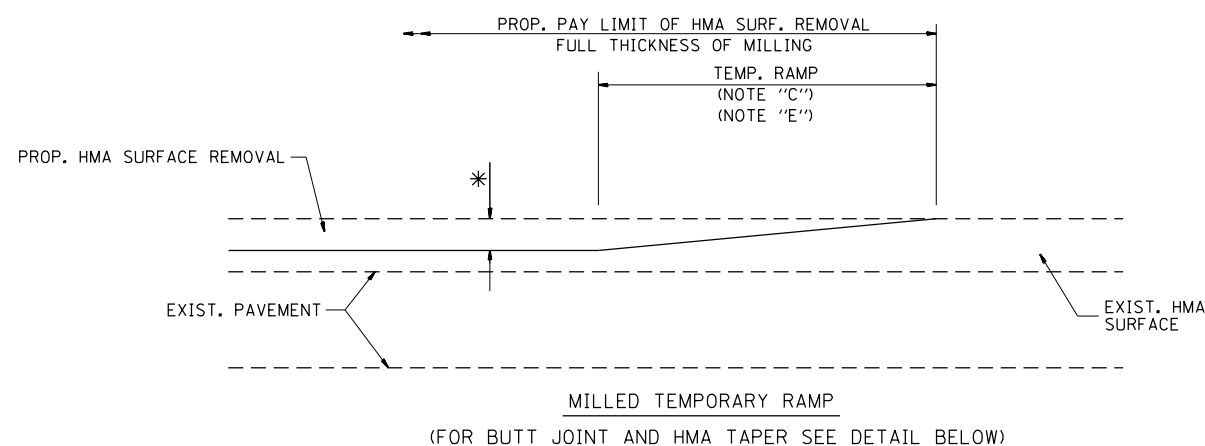
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

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.

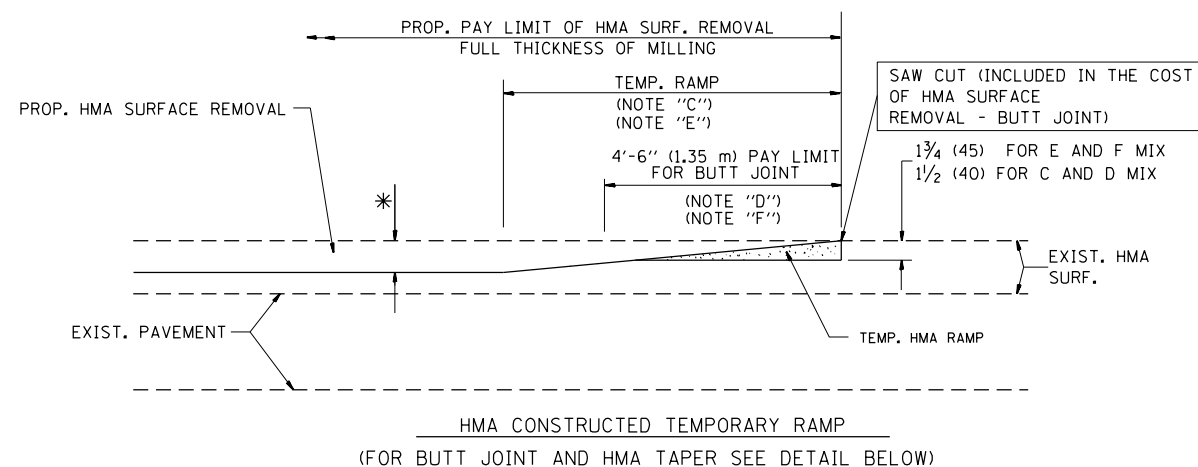
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = toriafm	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A.P. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0161\Drawings\Design\DistStd.dgn		REVISED - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01			351	2018-069-RS	COOK	53	43
PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED - R. BORO 12-15-09				<b>BD600-06 (BD-24)</b>		<b>CONTRACT NO. 62H22</b>		
PLOT DATE = 1/31/2019	DATE - 03-11-94					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT

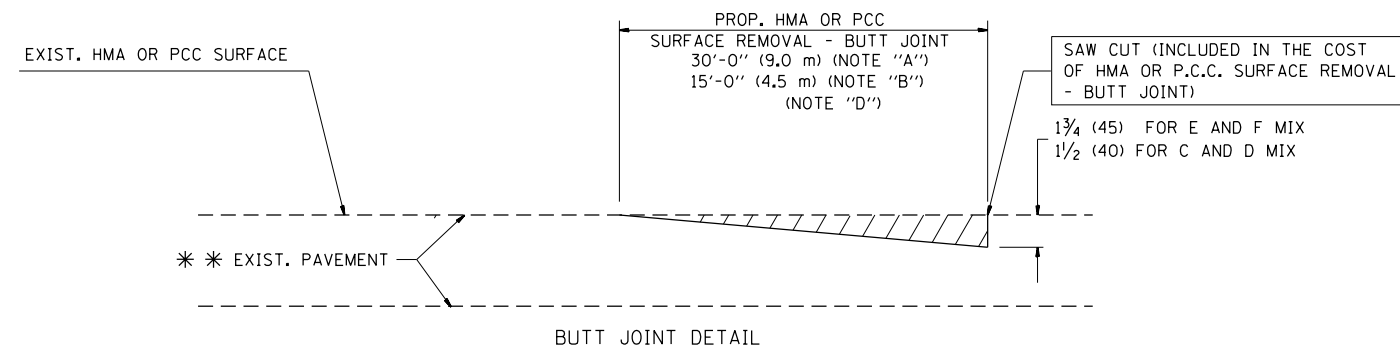


**OPTION 1**

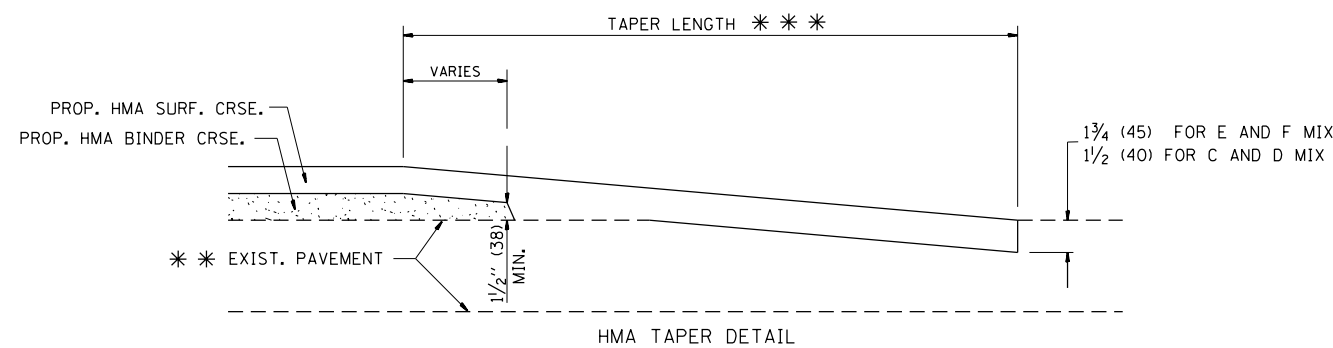


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

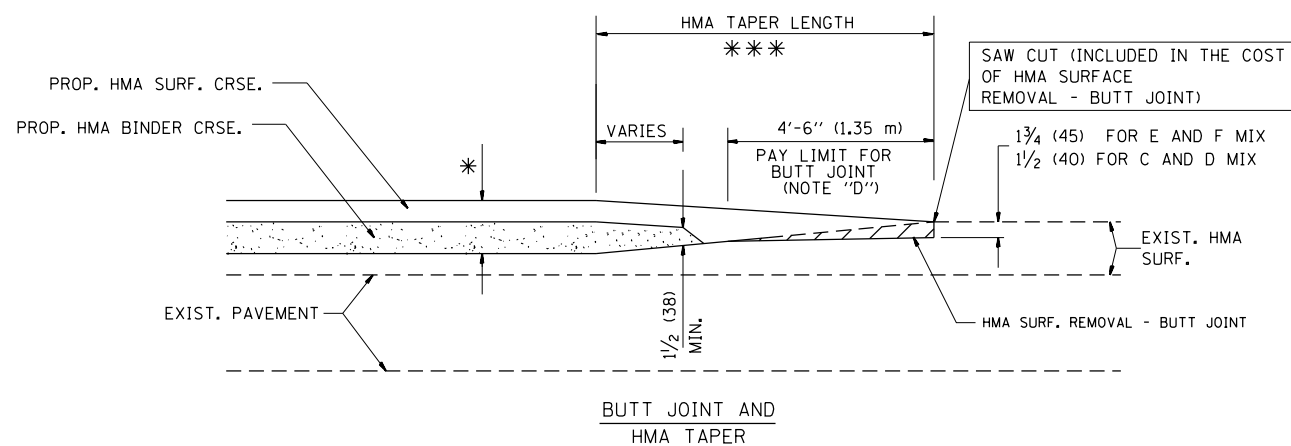
**NOTES**

- 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**

FILE NAME =	USER NAME = tar1qfm	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0161\Drawings\Design\DistStd.dgn		REVISIONS	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/31/2019	DATE - 06-13-90	REVISED - R. BORO 01-01-07

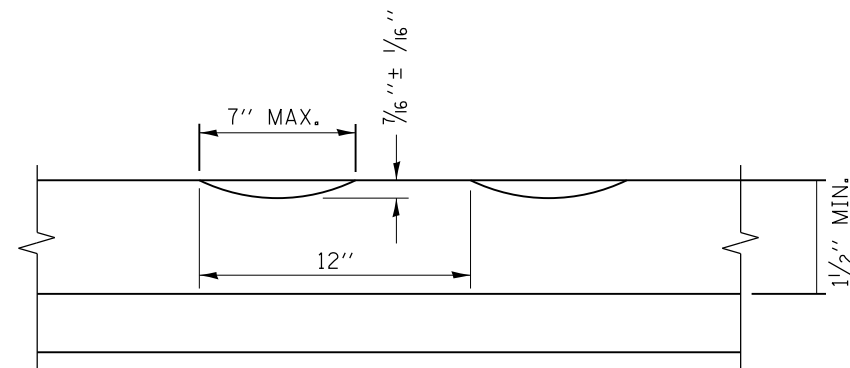
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

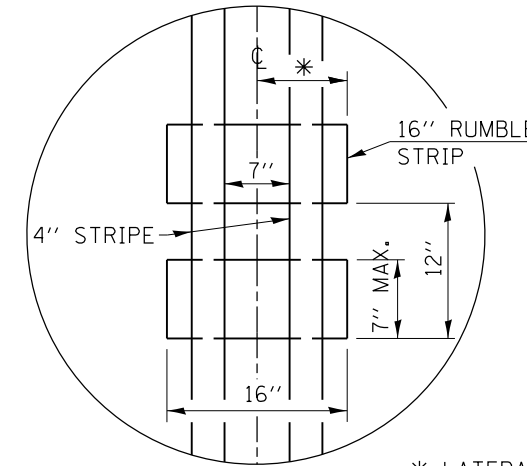
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	44
BD400-05 BD32		CONTRACT NO. 62H22		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





SECTION A-A



DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES. ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

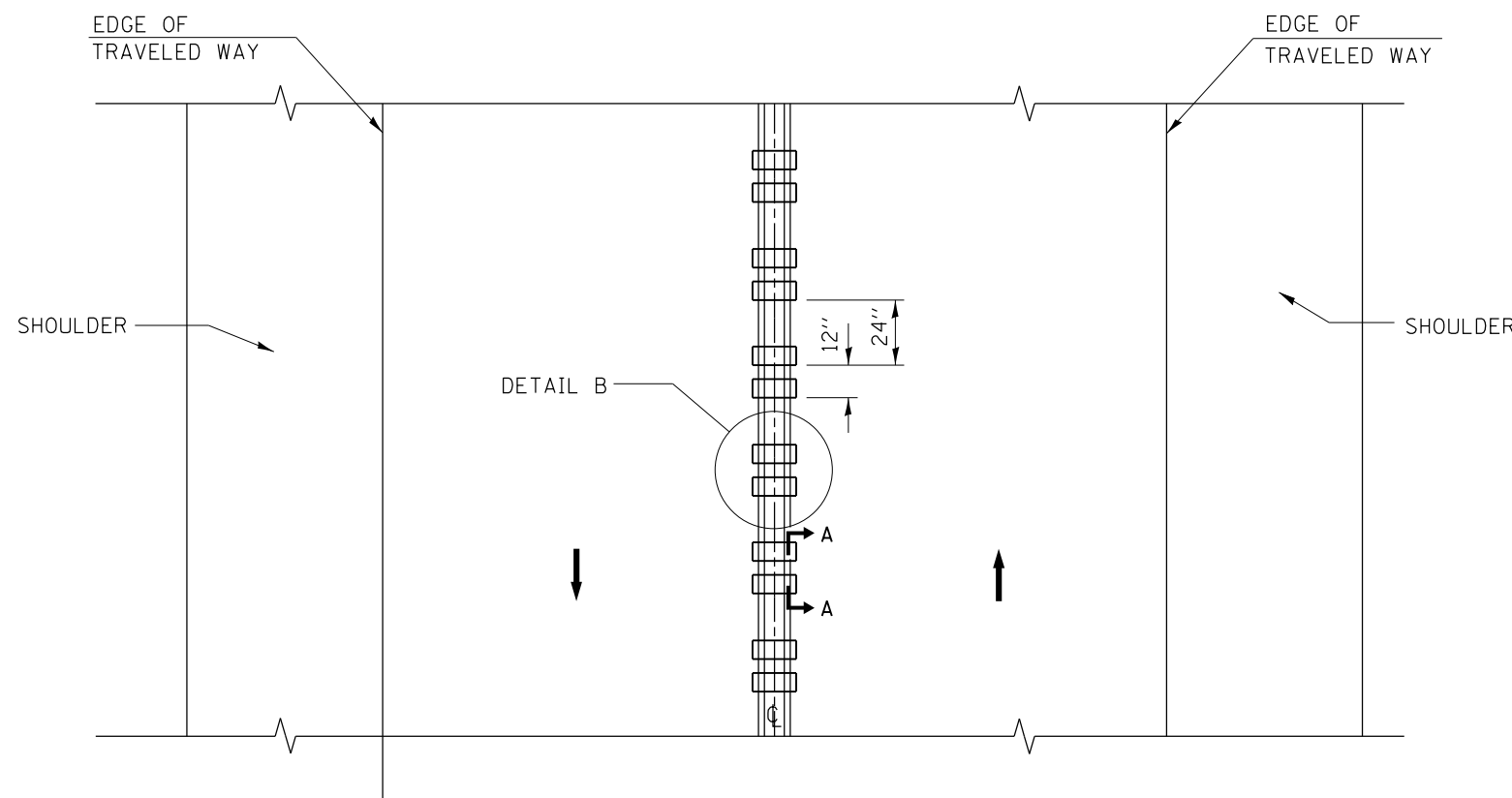
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

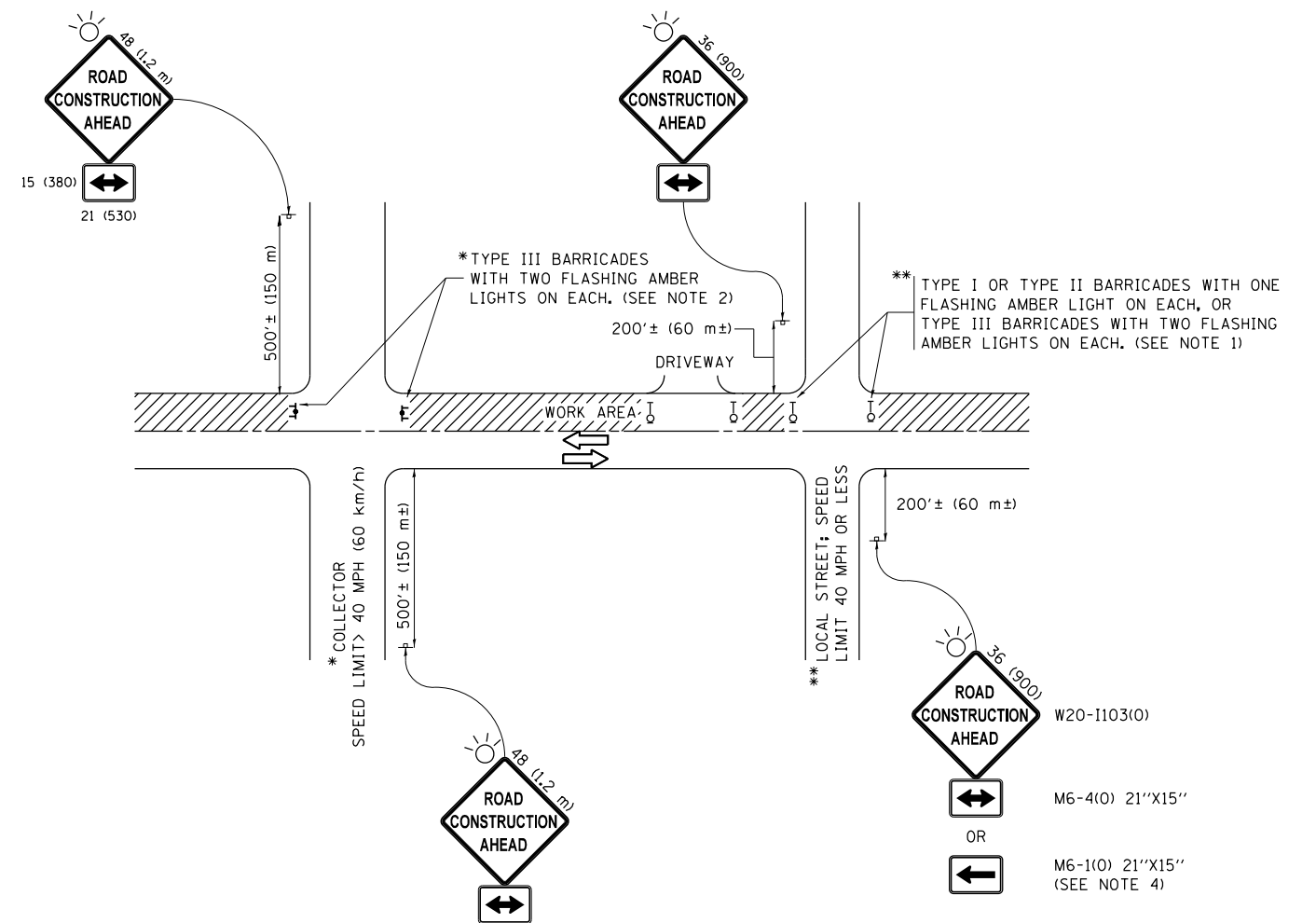
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

FILE NAME =	USER NAME = tar1qfm	DESIGNED - R. BORO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI0161\BROWNS\Design\DistStd.dgn		CHECKED -	REVISED -		351	2018-069-RS	COOK	53	45			
PLOT SCALE = 100.0000' / in.		DATE - 08-06-2012	REVISED -		<b>BD 55</b>			<b>CONTRACT NO. 62H22</b>				
PLOT DATE = 1/31/2019					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	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.

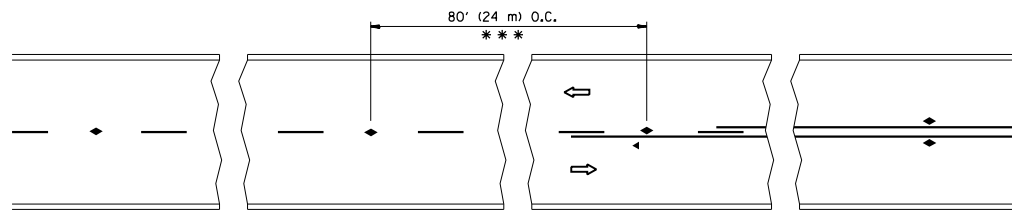
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pw:\IL\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0161\BRAW\Notes\Design\DistStd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 1/31/2019	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**

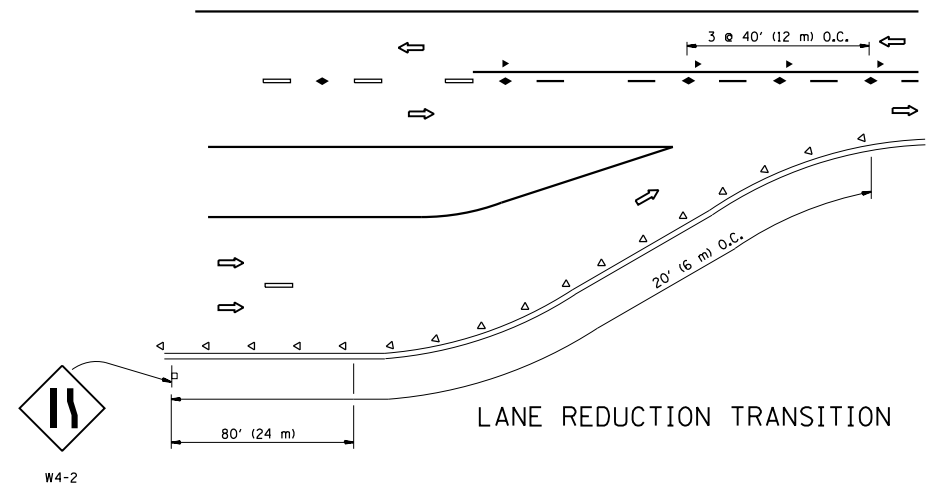
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			<b>CONTRACT NO. 62H22</b>	
ILLINOIS FED. AID PROJECT				

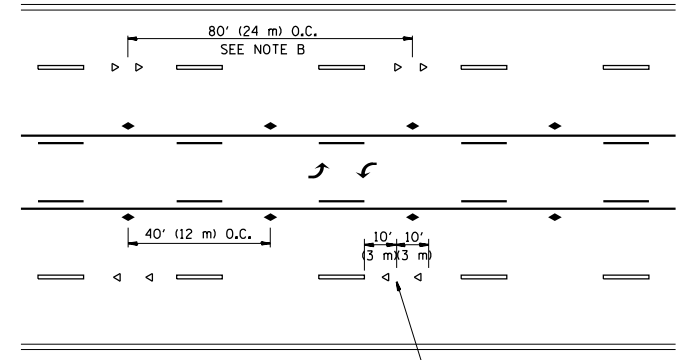


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

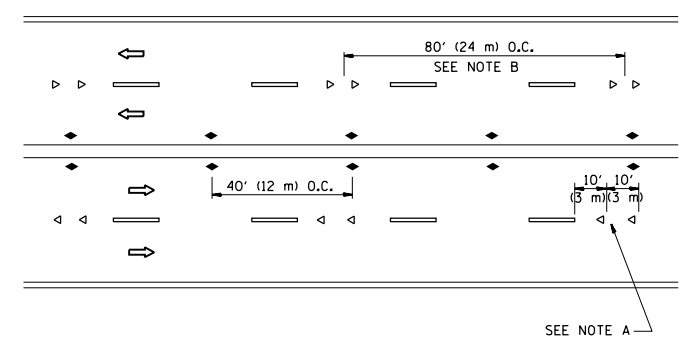
TWO-LANE/TWO-WAY



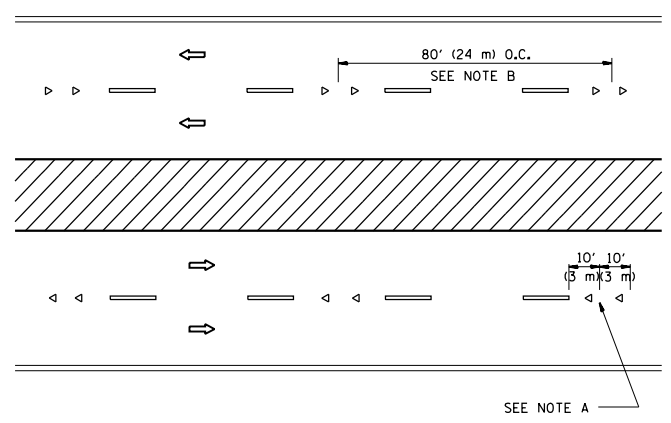
LANE REDUCTION TRANSITION



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

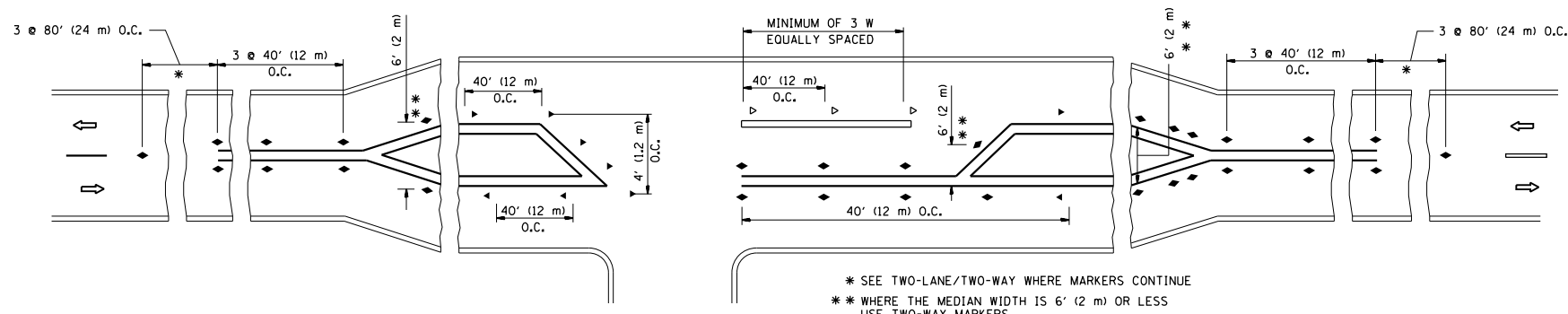
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

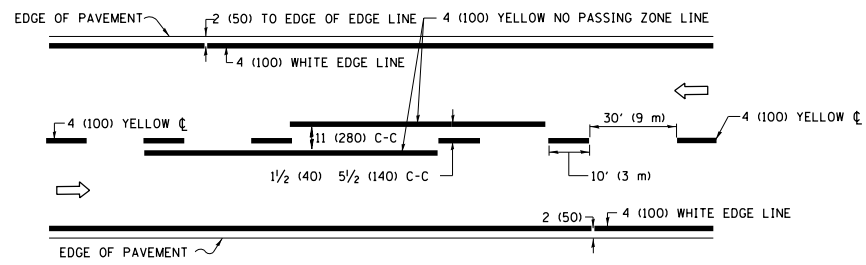


LEFT TURN

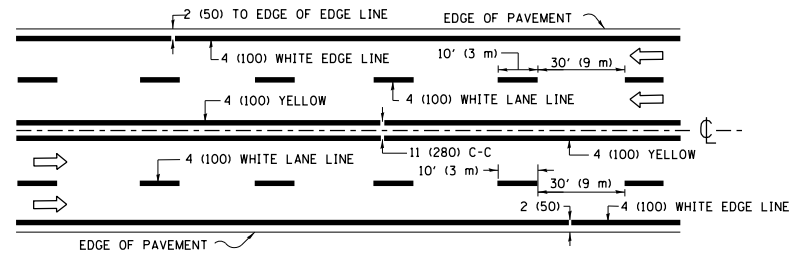
\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

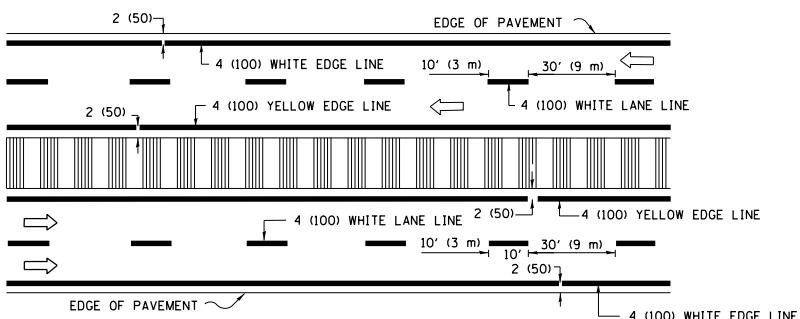
FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0161\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - T. RAMMACHER 03-12-99					351	2018-069-RS	COOK	53	47
PLOT SCALE = 100.0000' / in.		DATE -	REVISED - T. RAMMACHER 01-06-00		<b>TC-11</b>			<b>CONTRACT NO. 62H22</b>				
PLOT DATE = 1/31/2019			REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

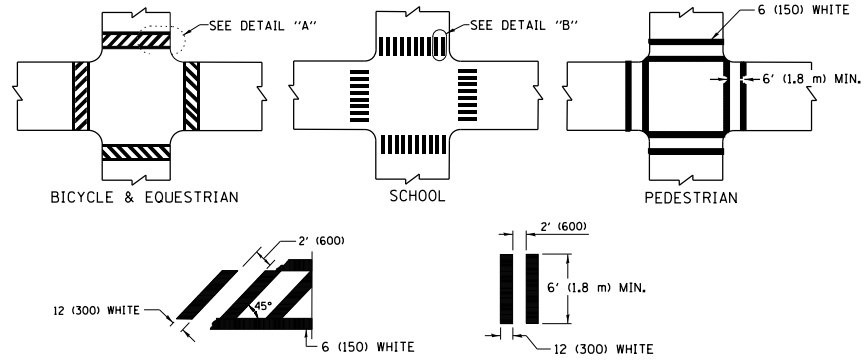


**MULTI-LANE UNDIVIDED**



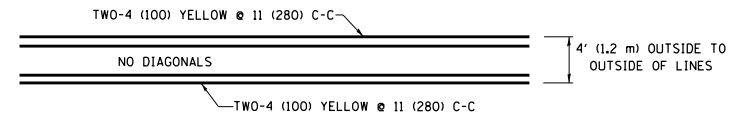
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

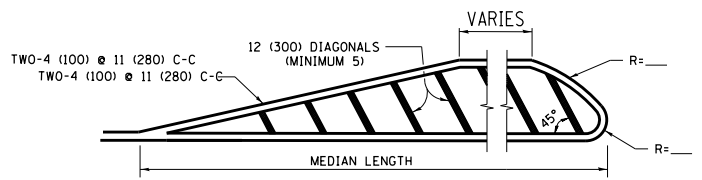


**TYPICAL CROSSWALK MARKING**

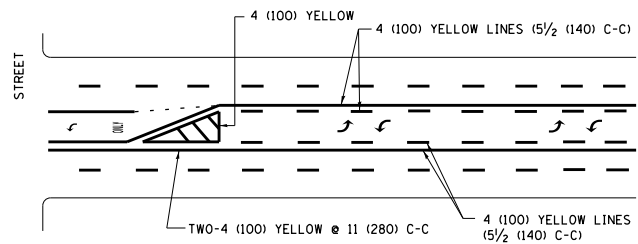
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



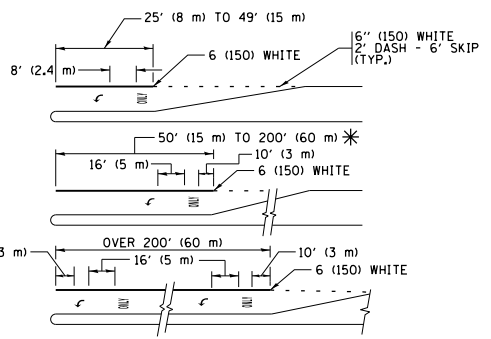
**4' (1.2 m) WIDE MEDIANS ONLY**



**MEDIANS OVER 4' (1.2 m) WIDE**



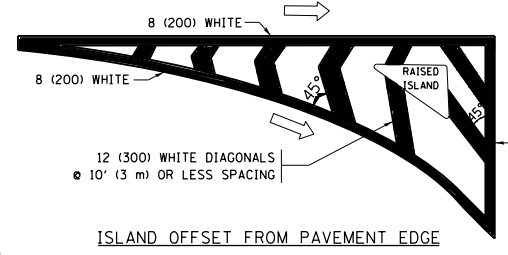
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



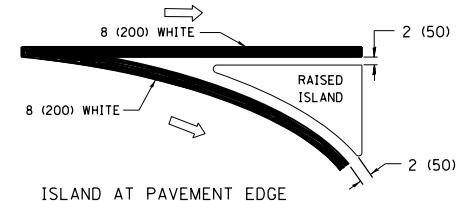
**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

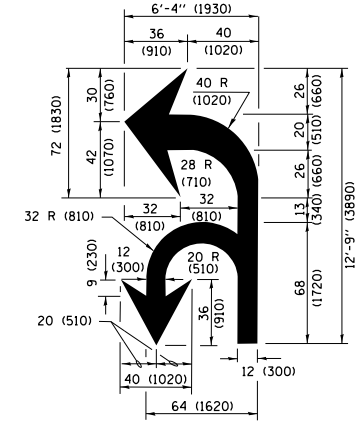
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



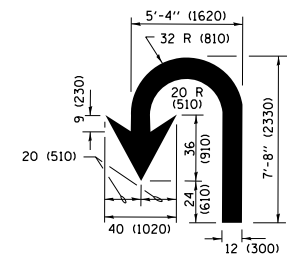
**ISLAND OFFSET FROM PAVEMENT EDGE**



**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 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

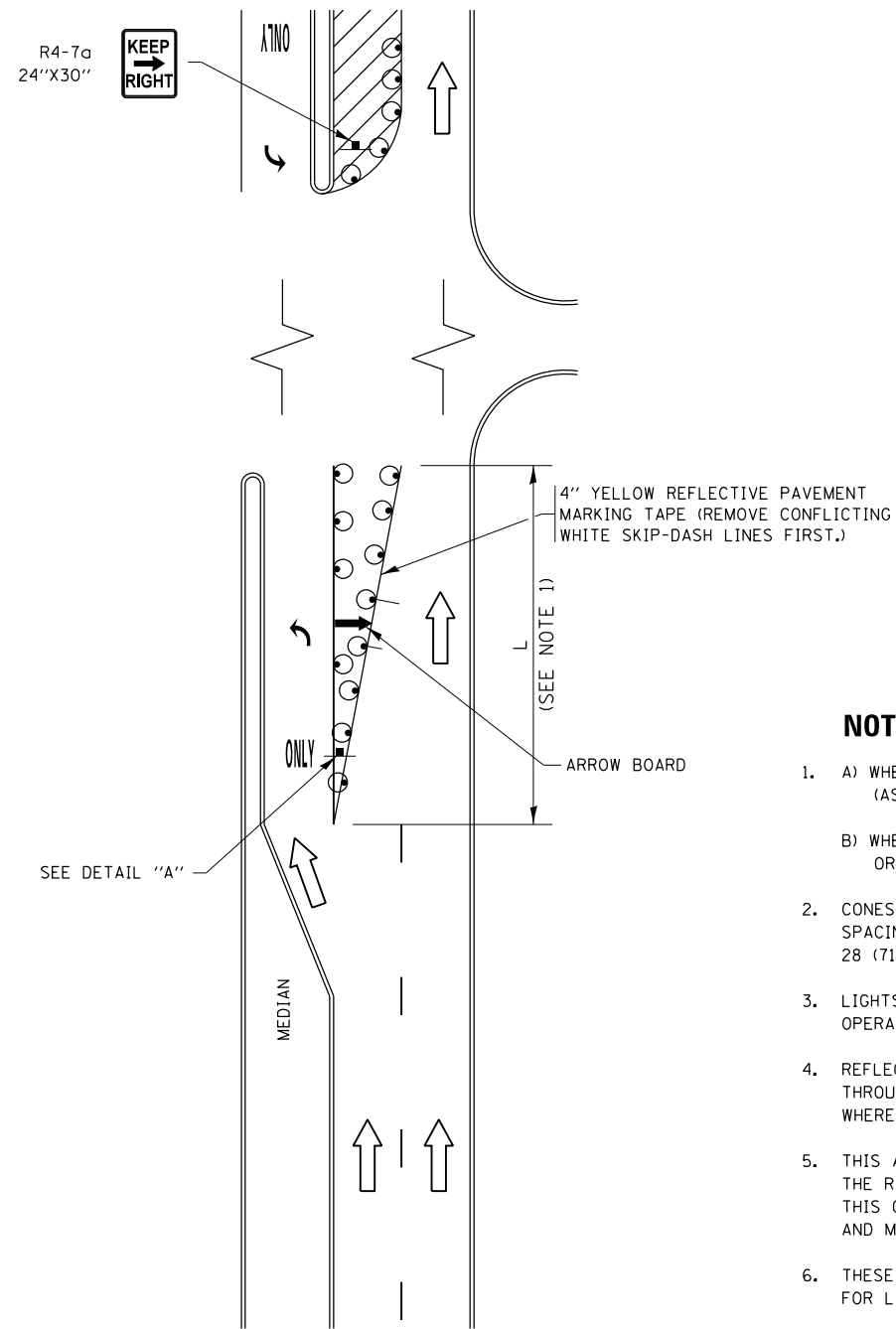
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Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 1/31/2019		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

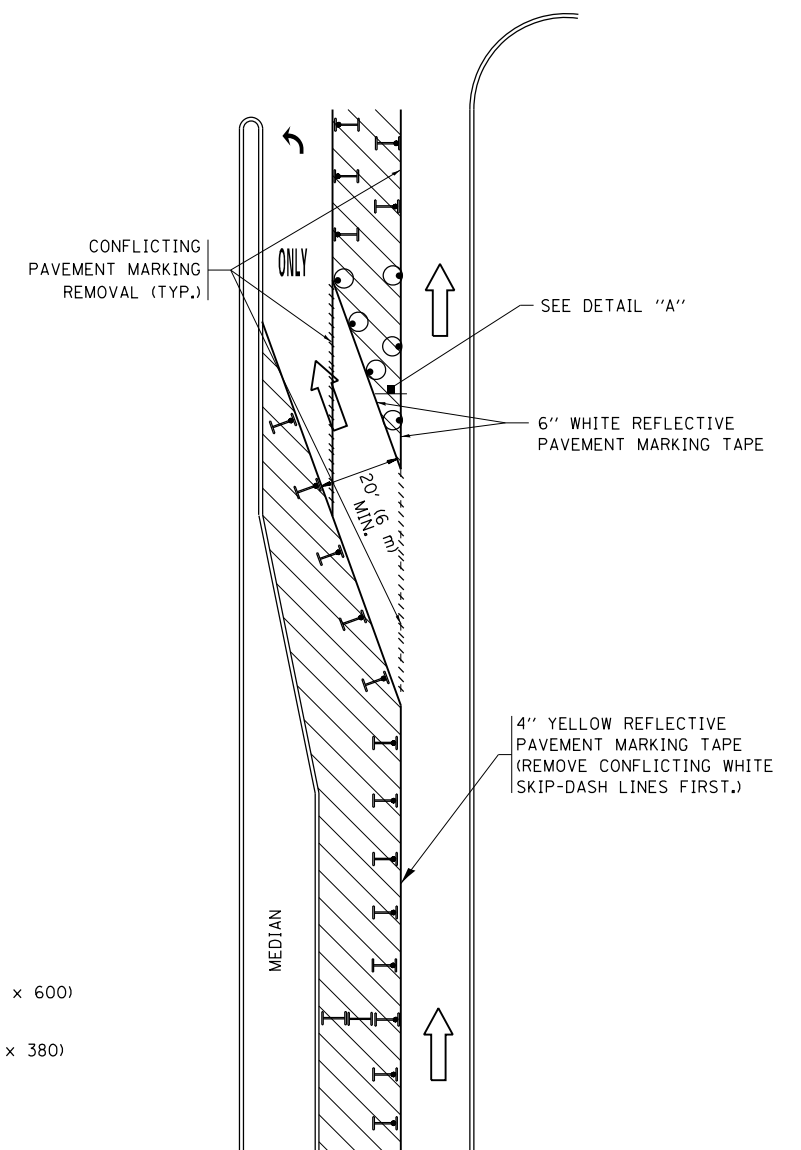
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	48
<b>TC-13</b>		<b>CONTRACT NO. 62H22</b>		
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

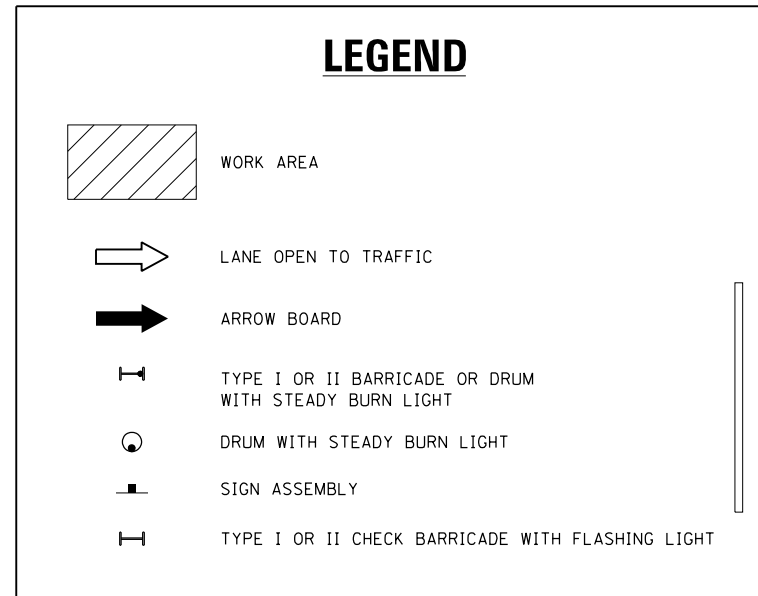


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

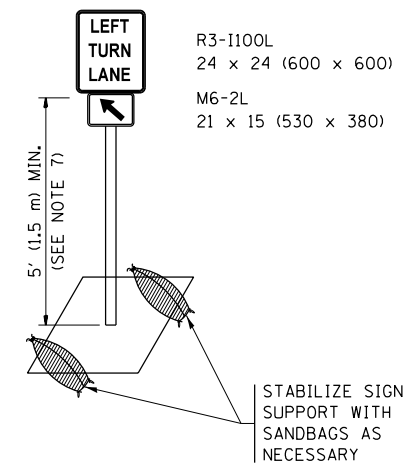


**FIGURE 2**



### NOTES:

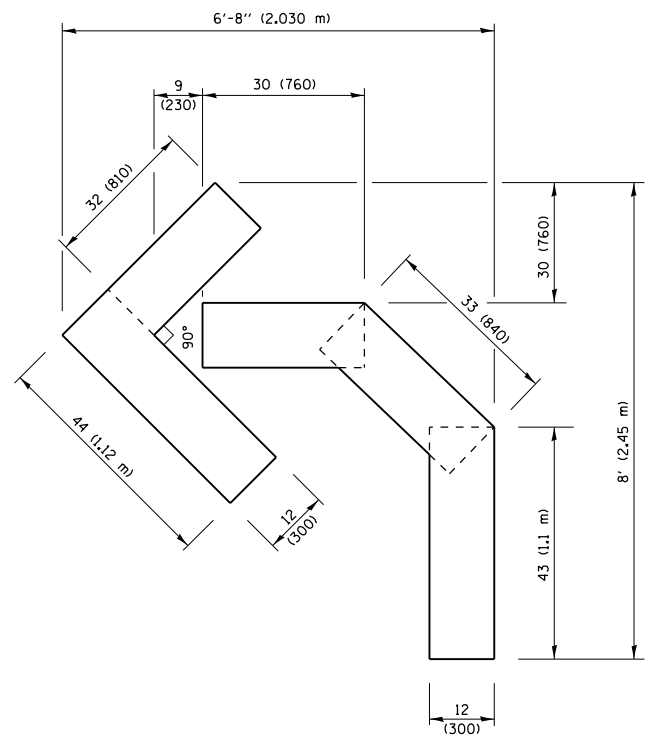
1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



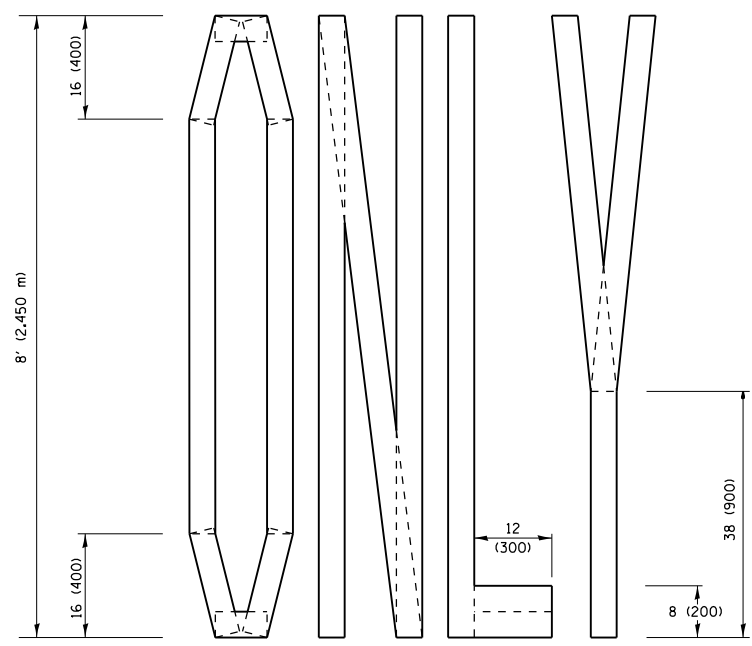
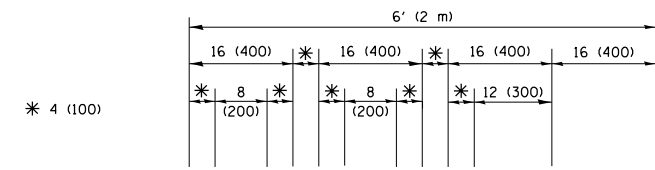
**DETAIL A**

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

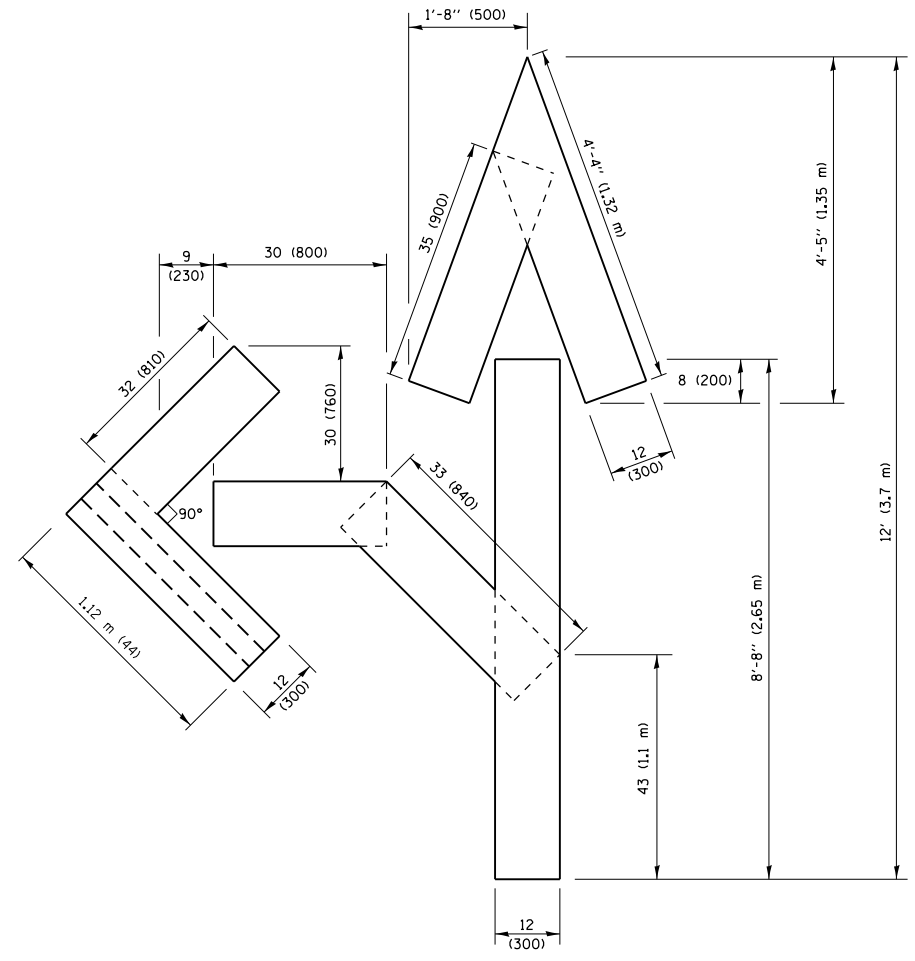
FILE NAME =	USER NAME = toriafm	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI016\REVISED\Design\A\HOUSEH 11-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			351	2018-069-RS	COOK	53	49
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			<b>TC-14</b>		<b>CONTRACT NO. 62H22</b>		
	PLOT DATE = 1/31/2019	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)

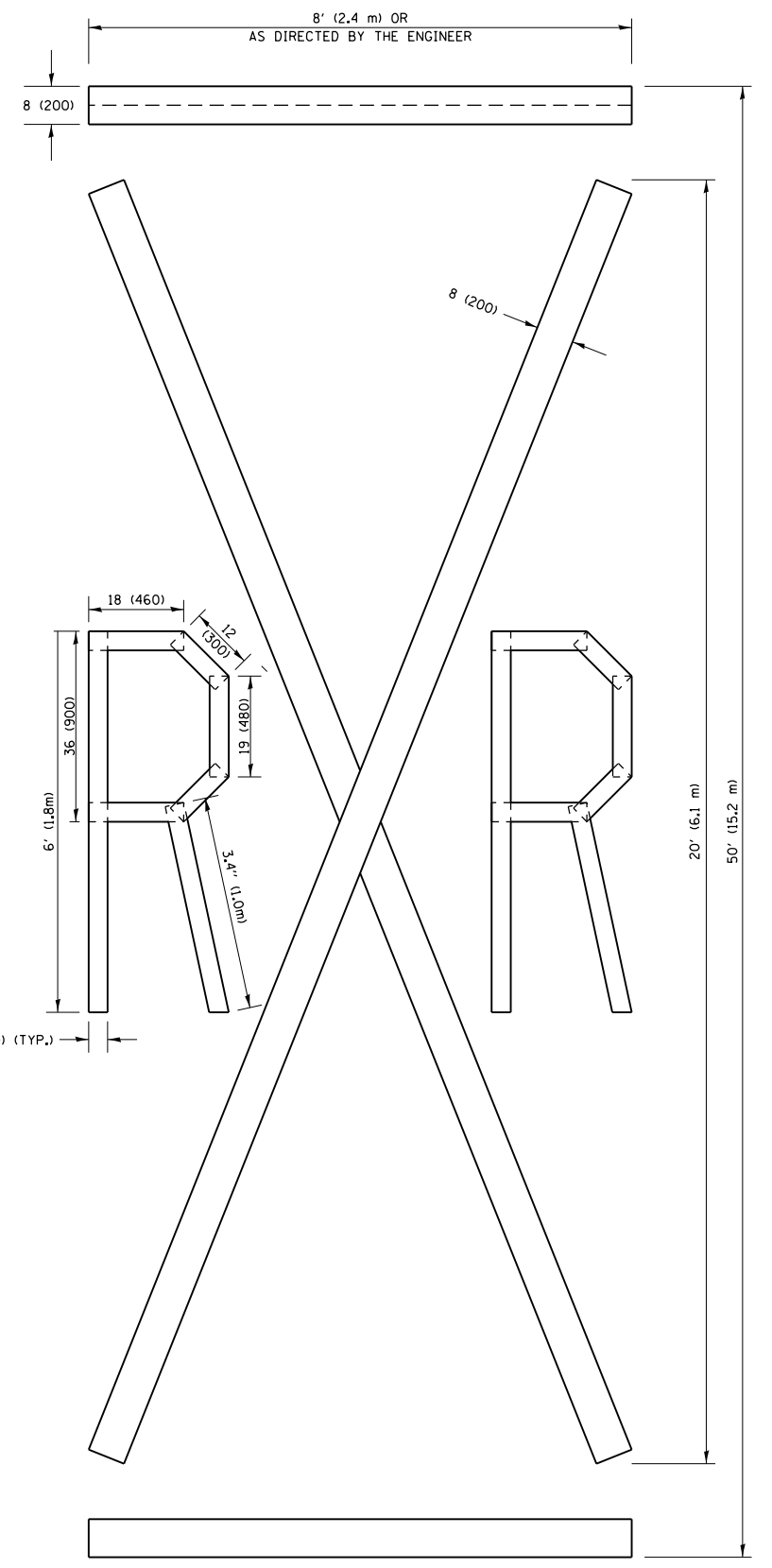


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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)

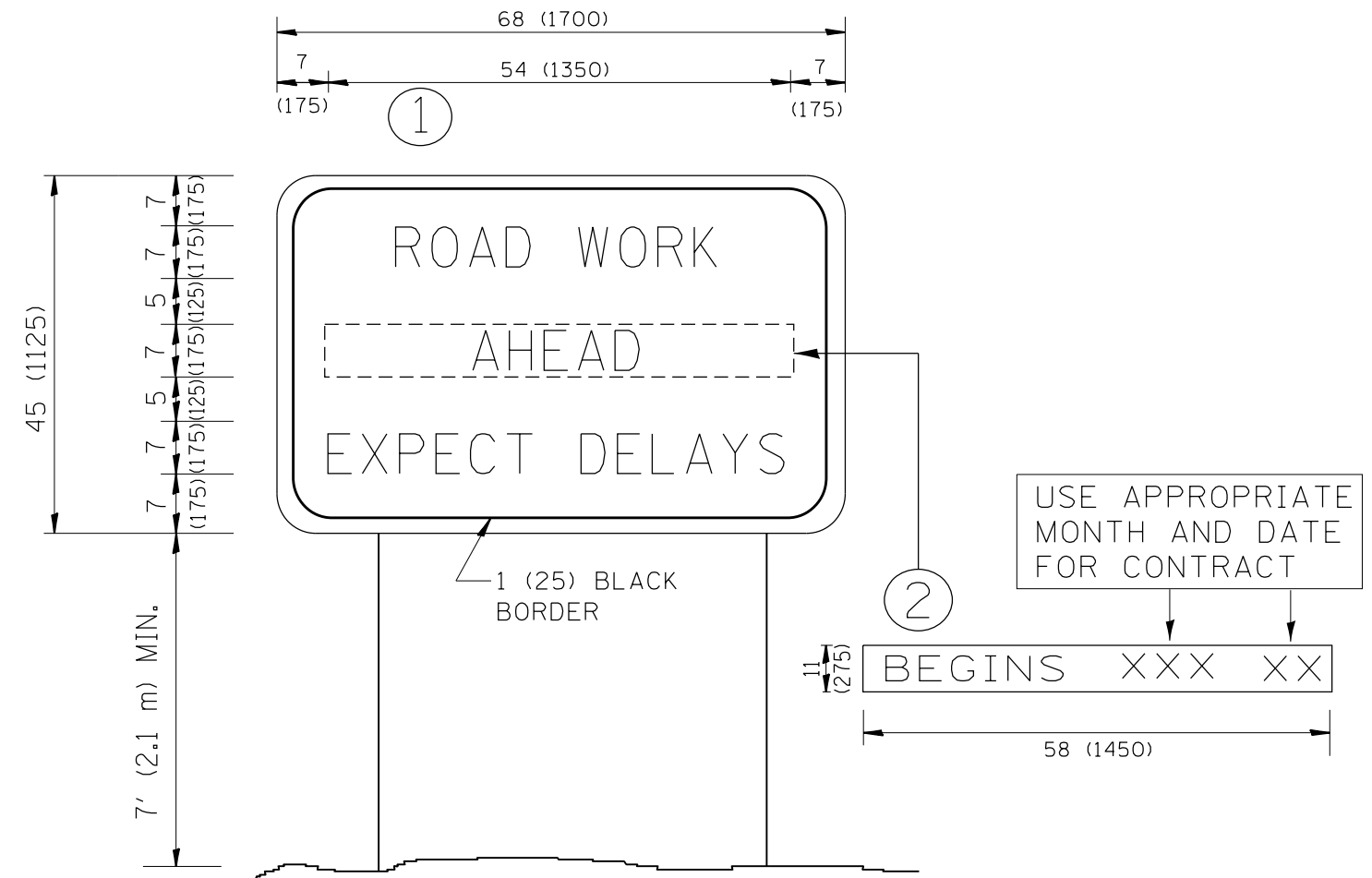
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
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		DATE -	REVISED -E. GOMEZ 08-28-00
			REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	50
<b>TC-16</b>		<b>CONTRACT NO. 62H22</b>		
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.

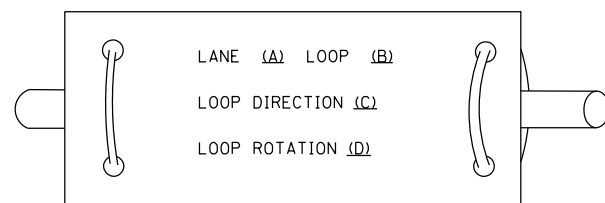
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = tar1qfm	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0161\Drawings\Design\DistStd.dgn			REVISED - R. MIRS 12-11-97			351	2018-069-RS	COOK	53	51
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PLOT DATE = 1/31/2019	DATE -	REVISED - C. JUCIUS 01-31-07				<small>FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT</small>				
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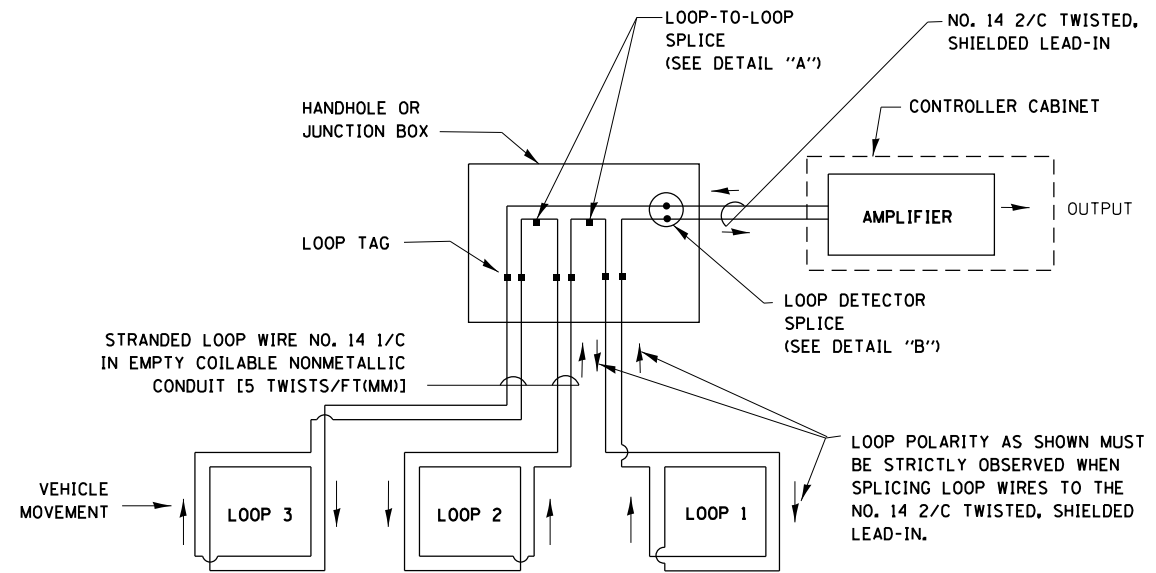
**LOOP DETECTOR NOTES**

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**

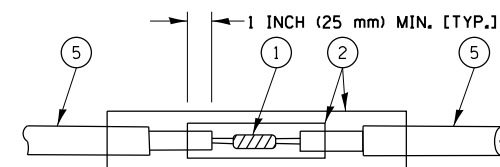


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

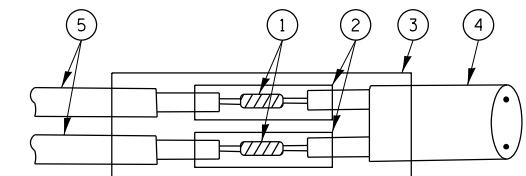


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

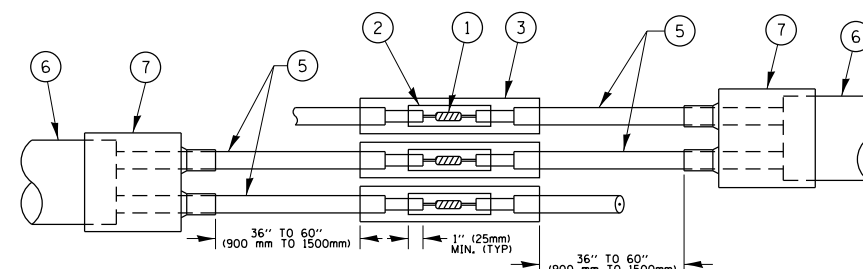


DETAIL "A"  
LOOP-TO-LOOP SPLICE

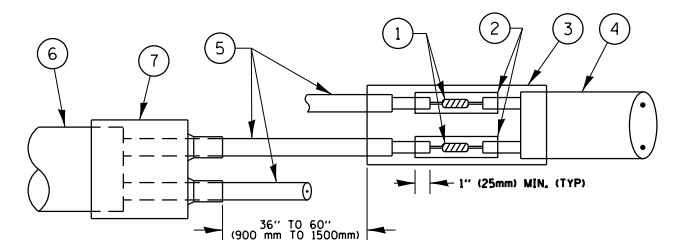


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**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 = toriafm	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI084EBIDINTEG\Design\DistStd.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 1/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

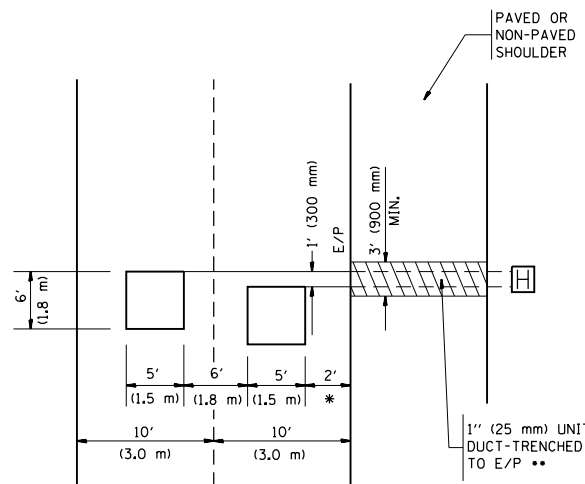
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2018-069-RS	COOK	53	52
TS-05		CONTRACT NO. 62H22		
ILLINOIS FED. AID PROJECT				



LOOPS NEXT TO SHOULDERS

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



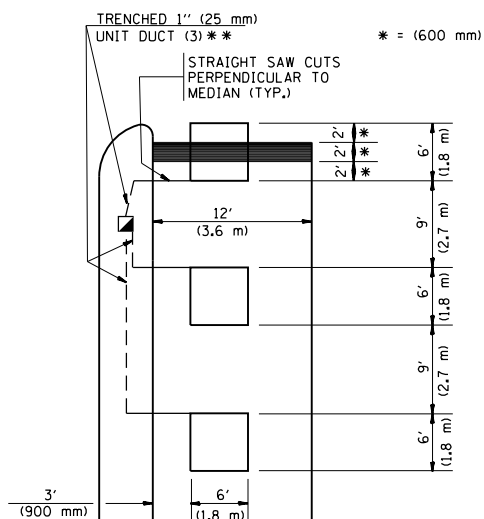
\* = (600 mm)

\*\* 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.



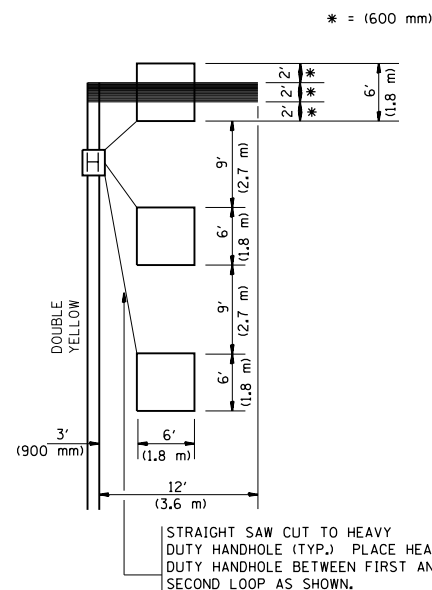
\* = (600 mm)

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

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)



\* = (600 mm)

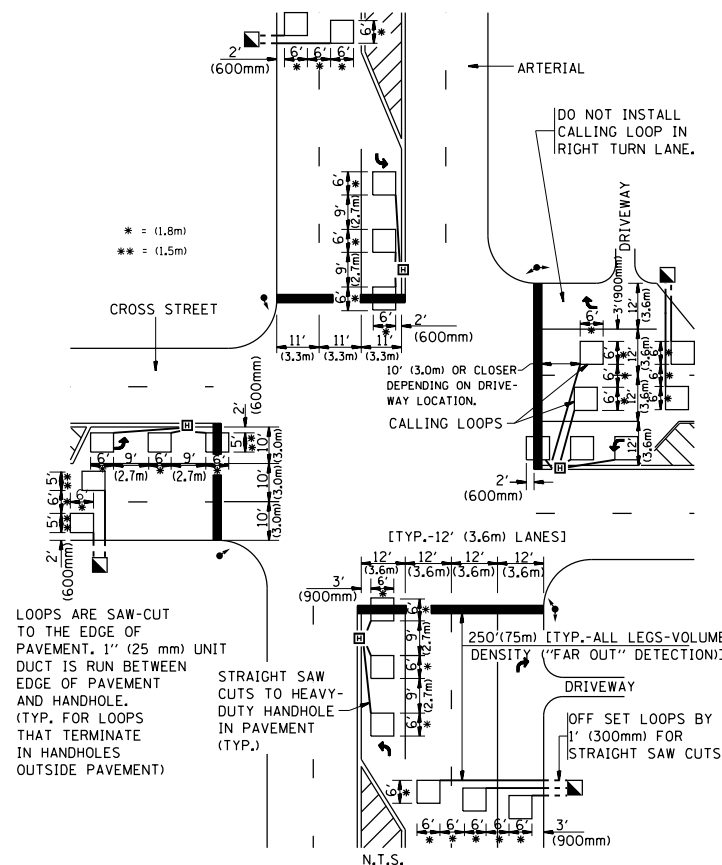
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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.

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



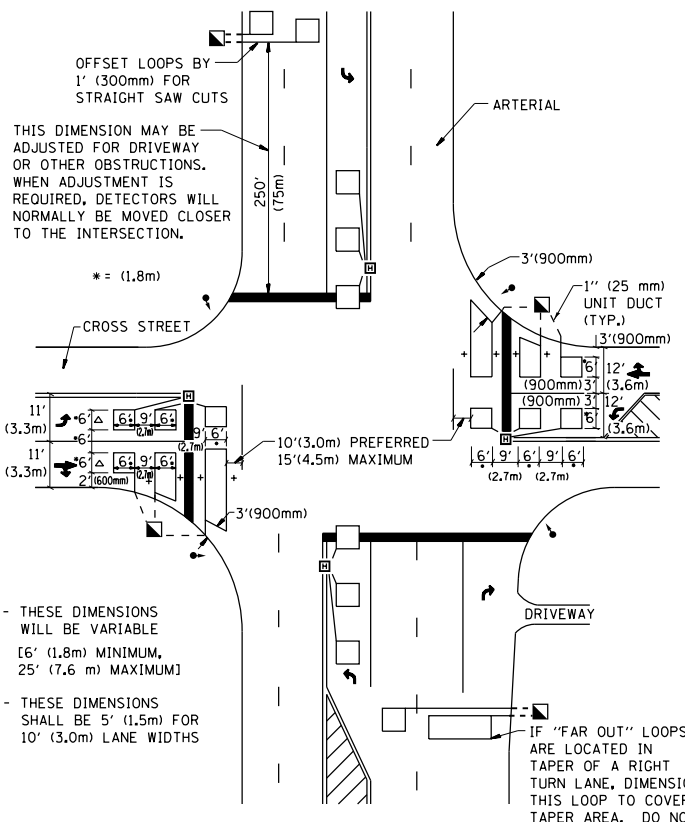
\* = (1.8m)  
\*\* = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1  
N.T.S.

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



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2  
N.T.S.

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 = toriafm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG\11inois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI016\BRAWN\Design\DistStd.dgn		CHECKED - R.K.F.	REVISED -		351	2018-069-RS	COOK	53	53			
PLOT SCALE = 100.0000' / 1"		DATE -	REVISED -		<b>TS-07</b>			<b>CONTRACT NO. 62H22</b>				
PLOT DATE = 1/31/2019					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.					