

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 305 FAU 2592A	SECTION 2019-115-RS&SW	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 1
ILLINOIS		CONTRACT NO. 62J71		

022

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN
THE VILLAGE OF PALATINE

TRAFFIC DATA

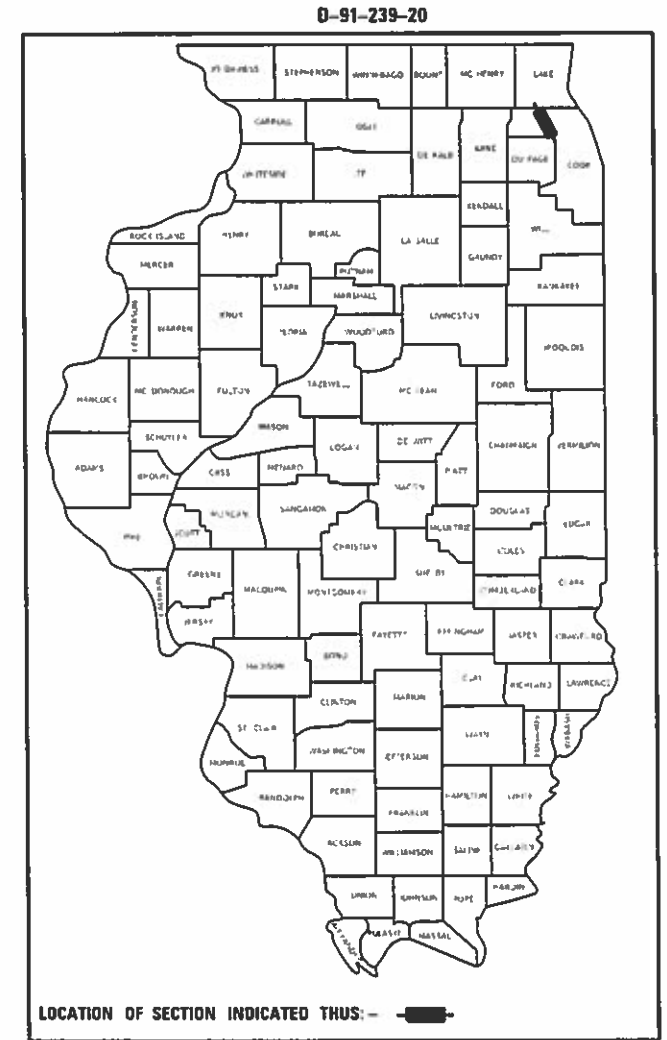
2017 ADT
US 14 (NORTHWEST HIGHWAY) = 25,200 - 30,000

POSTED SPEED LIMIT

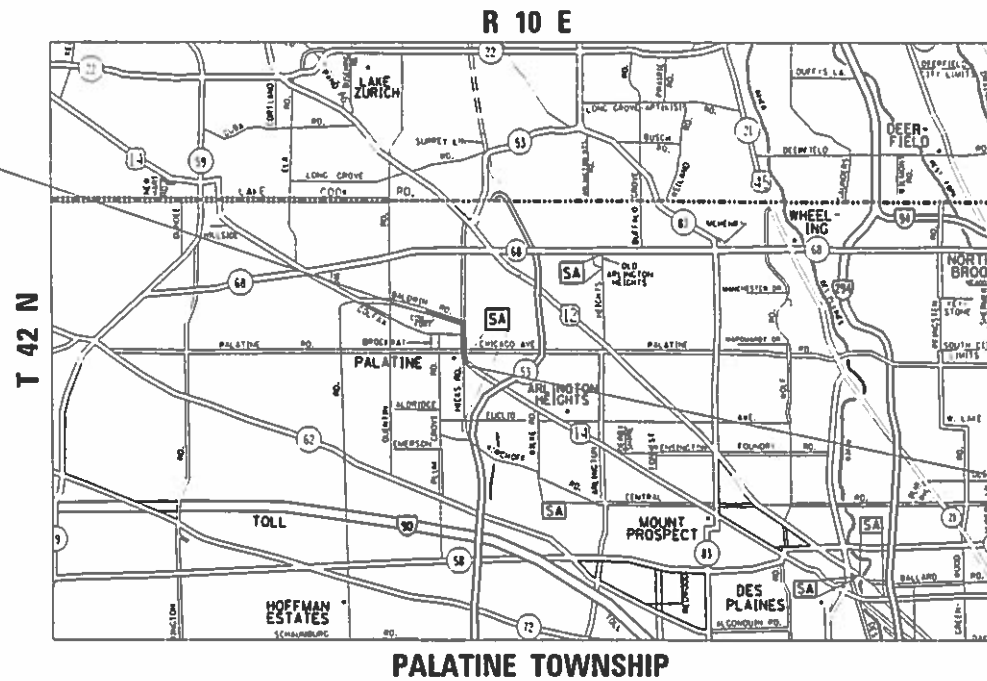
US 14 (NORTHWEST HIGHWAY) = 30 - 35 MPH

**PROPOSED
HIGHWAY PLANS**
FAP 305: US 14 (NORTHWEST HIGHWAY)
E. OF N. SMITH RD. TO E. PALATINE RD.
FAU 2592A: US 14 (NORTHWEST HIGHWAY)
E. PALATINE RD. TO S. HICKS RD.
SECTION: 2019-115-RS&SW
PROJECT: NHPP-STP-X6MG(234)
DESIGNED OVERLAY/PEDESTRIAN RAMPS
COOK COUNTY

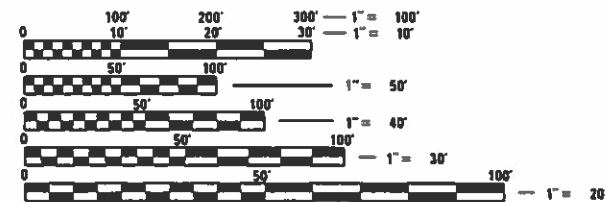
C-91-019-20



PROJECT BEGINS
STA 16+60.6



PROJECT ENDS
STA 102+08



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: ALAIN MIDY (847) 221-3056
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

GROSS LENGTH = NET LENGTH = 8,547.4 FT. = 1.62 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 6 2019

Anthony J. Brugh REGIONAL ENGINEER

Don 31 20

Eric A. Elk ENGINEER OF DESIGN AND ENVIRONMENT

Jan 31 20 20

David A. ... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 62J71

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STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR 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
604086-03	FRAME AND GRATE, TYPE 23
606001-07	COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 2' FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATINS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 2' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS < 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NON TRANSVERSABLE 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	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITIES OF PARK RIDGE AND DES PLAINES.

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 HOURS NOTIFICATION IS REQUIRED)

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE (or TOLLWAY) PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT (or ISTHA).

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE 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.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT DON.CHIARUGI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.

ALL PAVEMENT PATCHING LOCATIONS WILL DETERMINED IN THE FIELD BY THE ENGINEER.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

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.

THE COST OF SURFACE REMOVAL IN THE GUTTER FLAG SHALL BE INCLUDED IN THE COST OF OF "HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4" PAY ITEM.

ALL COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING FORESTRY WORK FOR LAYOUT.

THE CONTRACTOR SHALL USE 1" DIAMETER DOWEL BARS IN THE NEW SECTIONS OF COMBINATION CONCRETE CURB & GUTTER.

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, GENERAL NOTES - US 14 (NORTHWEST HIGHWAY)
FROM E. OF N. SMITH ST. TO S. HICKS RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	2
* - FAP 305/FAU 2592A		CONTRACT NO. 62J71		
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005 NHPP	80% FED 20% STATE 0005 STP	100% STATE 0005			
20200100	EARTH EXCAVATION	CU YD	53	42	11				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	350	277	73				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	5	4	1				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	5	4	1				
25200110	SODDING, SALT TOLERANT	SO YD	370	292	78				
25200200	SUPPLEMENTAL WATERING	UNIT	17	13	4				
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SO YD	14	14					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	41441	32738	8703				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	93	73	20				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	495	391	104				
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	6877	5433	1444				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	35	28	7				
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	6017	4753	1264				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005 NHPP	80% FED 20% STATE 0005 STP	100% STATE 0005			
42001300	PROTECTIVE COAT	SO YD	1185	936	249				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4200	3318	882				
* 42400800	DETECTABLE WARNINGS	SO FT	360	284	76				
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	290	220	70				
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SO YD	61394	48501	12893				
44000600	SIDEWALK REMOVAL	SO FT	4200	3318	882				
44003100	MEDIAN REMOVAL	SO FT	125	99	26				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	75	59	16				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	100	79	21				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	100	79	21				
60254340	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	10	8	2				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	15	12	3				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	4	1				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	15	12	3				* - SPECIALTY ITEMS

FILE NAME =	USER NAME = senadeerod	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -			FAP 305/FAU 2592A	CONTRACT NO. 62J71			
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.			

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED. 20% STATE 0005 NHPP	80% FED. 20% STATE 0005 STP	100% STATE 0005	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	53	42	11		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	7	6	1		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	0.8	0.2		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	0.8	0.2		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	9	3		
67100100	MOBILIZATION	L SUM	1	0.8	0.2		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.8	0.2		
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.8	0.2		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.8	0.2		
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.8	0.2		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.8	0.2		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED. 20% STATE 0005 NHPP	80% FED. 20% STATE 0005 STP	100% STATE 0005	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.8	0.2		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	34442	27209	7233		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	11481	9070	2411		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1278	1010	268		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23717	18736	4981		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6152	4860	1292		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	470	371	99		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1467	1159	308		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1104	872	232		
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	13452	10627	2825		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1278	1010	268		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23717	18736	4981		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6152	4860	1292		

* - SPECIALTY ITEMS

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	PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE:	SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	4
* - FAP 305/FAU 2592A			CONTRACT NO. 62J71	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005 NHPP	80% FED 20% STATE 0005 STP	100% STATE 0005	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	470	371	99		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1467	1159	308		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1104	872	232		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	784	619	165		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	784	619	165		
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	3	1		
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	3735	2951	784		
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH					
* 89502376	REBUILD EXISTING HANDHOLE	EACH	5	4	1		
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0.8	0.2		
X0326863	BRICK SIDEWALK	SO FT	300	200	100		
X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	1750	1000	1200		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	100			100	

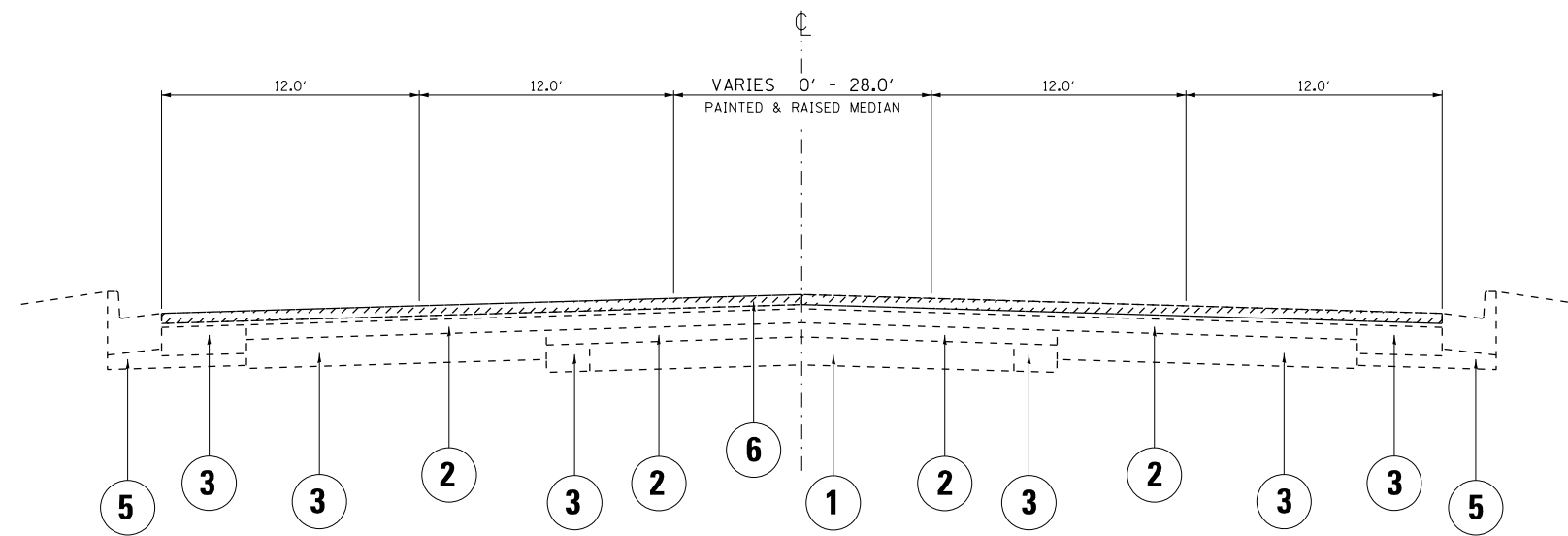
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005 NHPP	80% FED 20% STATE 0005 STP	100% STATE 0005	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	50	40	10		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	20732	16378	4354		
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2193	1732	461		
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	105			105	
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	2	2			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	52	26	26		
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	30079	23762	6317		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1		

* - SPECIALTY ITEMS

US ROUTE 14
(NORTHWEST HIGHWAY)

LEGEND

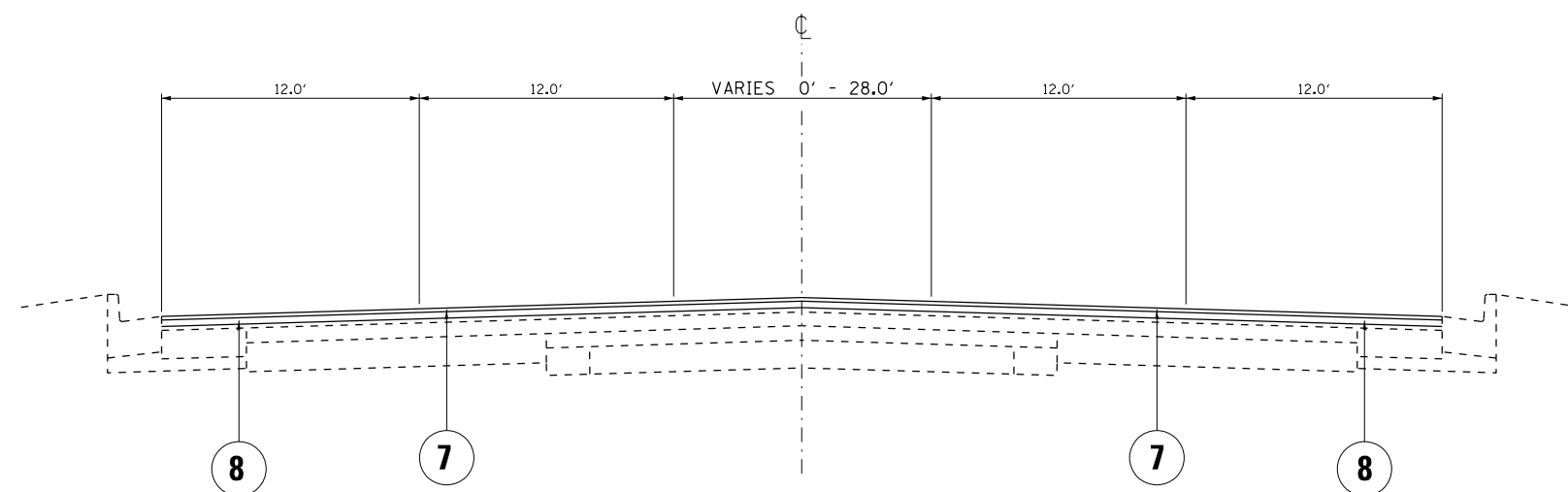
- ① EXISTING P.C.C PAVEMENT, ± 8"
- ② EXISTING HMA OVERLAY, ± 4"
- ③ EXISTING HMA BASE COURSE WIDENING, ± 8"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING AGGREGATE SUBBASE, TYPE B
- ⑥ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ⑦ PROPOSED POLY. HOT MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- ⑧ PROPOSED HOT MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"



EXIST. TYPICAL SECTION
STA. 16+60.6 TO STA. 102+08

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	VOIDS @ Ndes	
PAVEMENT RESURFACING		
POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	3.5% AT 80 GYR.	QCP
HOT MIX ASPHALT BINDER COURSE, IL-9.5, N70	4% AT 70 GYR.	QCP
HMA BASE COURSE, 10" (HMA BINDER IL-19mm), (MEDIAN REMOVAL)	4% AT 70 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0 mm)	4% AT 70 GYR.	QC/QA
SHOULDERS		
HMA SURFACE COURSE, MIX "D", IL-9.5, N70	4% AT 70 GYR.	QC/QA
QMP Designation: Pay for Performance (PFP); Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)		

US ROUTE 14
(NORTHWEST HIGHWAY)



PROP. TYPICAL SECTION
STA. 16+60.6 TO STA. 102+08

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN.

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

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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

1. THE CONTRACTOR SHALL MILL THE ROADWAY FIRST, THEN DO PAVEMENT PATCHING
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER WHERE THE SURFACE JOINT WILL BE LOCATED

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USER NAME = senadeeraai	DESIGNED -	REVISED -
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PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

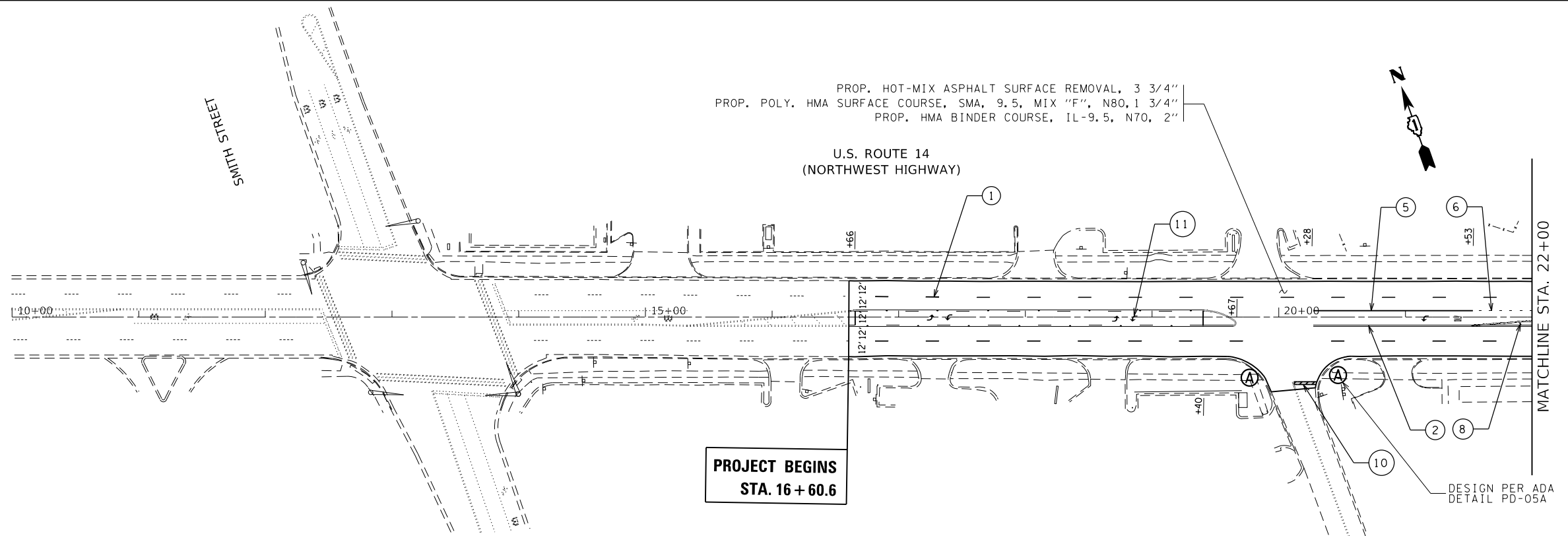
TYPICAL SECTIONS FOR US 14 (NORTHWEST HIGHWAY)
FROM E. OF SMITH ST. TO S. HICKS RD.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	6
* - FAP 305/ FAU 2592A		CONTRACT NO. 62J71		
ILLINOIS FED. AID PROJECT				

ROADWAY LEGEND

- Ⓐ PROP. SIDEWALK REMOVAL
- PROP. PCC SIDEWALK, 5"
- PROP. DETECTABLE WARNINGS



NOTES

TWO WAY LEFT TURN LANE MARKINGS
 PROP. THERMOPLASTIC PAVEMENT MARKING 4"
 SKIP DASH (30' SKIP 10' DASH) AND SOLID LINES
 5 1/2" C-C, YELLOW, SEE TC-13

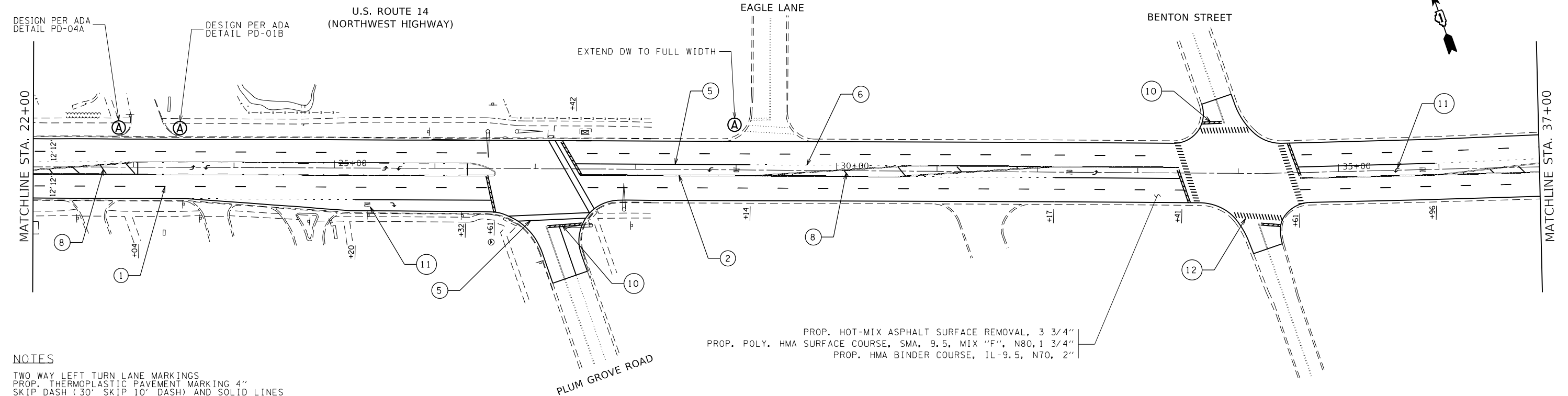
- ① PROP. THERMOPLASTIC PVMT MARKING 4", 10" DASH 30' SKIP, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT MARKING 4" SOLID, DOUBLE YELLOW @ 11" C-C (TYP.)
- ③ PROP. THERMOPLASTIC PVMT MARKING 4" SOLID, EDGE LINE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT MARKING 4", SOLID, YELLOW (TYP.)

- ⑤ PROP. THERMOPLASTIC PVMT MARKING 6", SOLID, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT MARKING 6", 2" DASH 6' SKIP, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT MARKING 8", ISLAND MARKING, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT, MARKING 12" DIAGONALS @ 45°, YELLOW (TYP.)

- ⑨ PROP. THERMO. PAVEMENT MARKING LINE, 24" RAILROAD TRANSVERSE LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)
- ⑪ PROP. THERMOPLASTIC PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑫ PROP. THERMOPLASTIC PVMT, MARKING LINE 4" 2" DASH 6' SKIP, WHITE (TYP.)
- ⑬ PROP. THERMOPLASTIC PVMT, MARKING 12" DIAGONALS @ 45°, WHITE (TYP.)

ROADWAY LEGEND

- Ⓐ PROP. SIDEWALK REMOVAL
- PROP. PCC SIDEWALK, 5"
- PROP. DETECTABLE WARNINGS



NOTES

TWO WAY LEFT TURN LANE MARKINGS
 PROP. THERMOPLASTIC PAVEMENT MARKING 4"
 SKIP DASH (30' SKIP 10' DASH) AND SOLID LINES
 5 1/2" C-C, YELLOW, SEE TC-13

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	DATE -	REVISED -

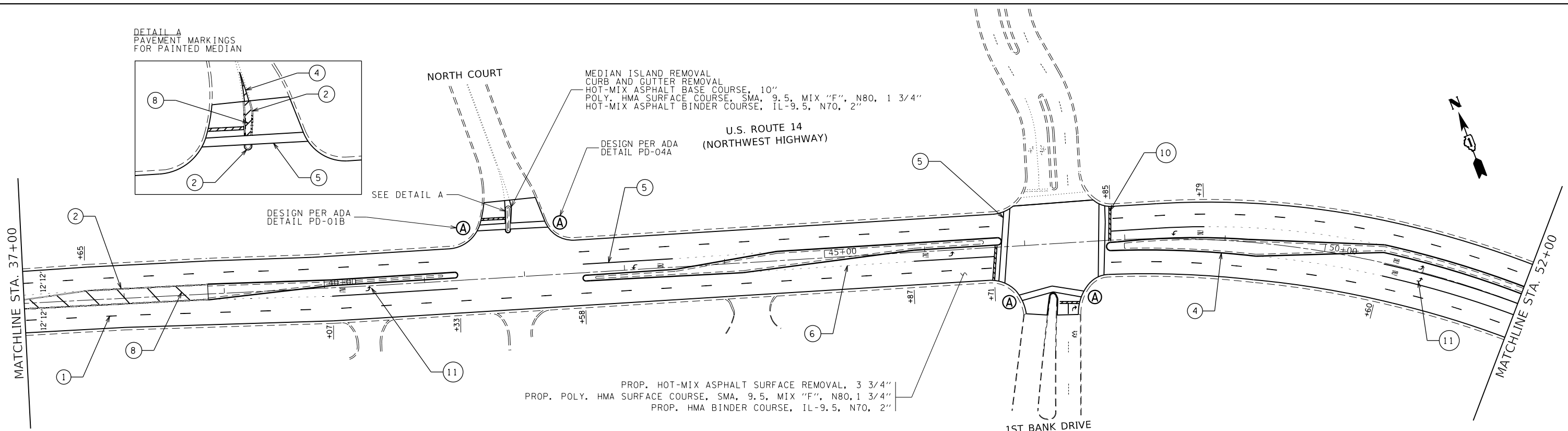
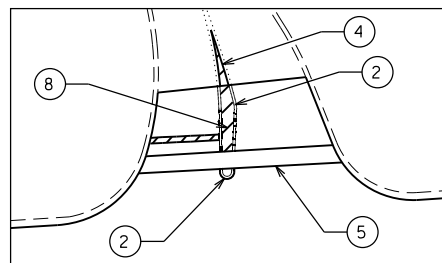
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
 U.S. RTE. 14 (NORTHWEST HWY) (E/O SMITH ST. TO W/O SOUTH HICKS RD.)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	7
* - FAP 305/FAU 2592A			CONTRACT NO. 62J71	
ILLINOIS		FED. AID PROJECT		

DETAIL A
PAVEMENT MARKINGS
FOR PAINTED MEDIAN



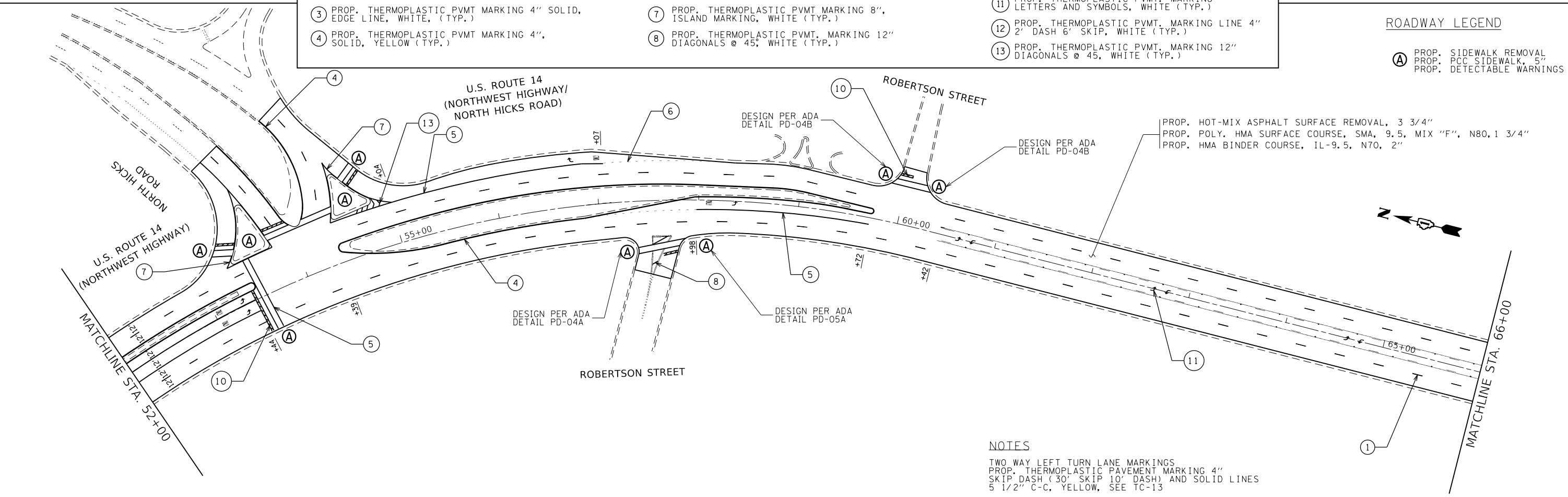
ROADWAY LEGEND

(A) PROP. SIDEWALK REMOVAL
PROP. PCC SIDEWALK, 5"
PROP. DETECTABLE WARNINGS

- ① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT MARKING 4" SOLID, DOUBLE YELLOW @ 11" C-C (TYP.)
- ③ PROP. THERMOPLASTIC PVMT MARKING 4" SOLID, EDGE LINE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT MARKING 4", SOLID, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT MARKING 6", SOLID, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT MARKING 6", 2" DASH 6' SKIP, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT MARKING 8", ISLAND MARKING, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT, MARKING 12" DIAGONALS @ 45°, WHITE (TYP.)
- ⑨ PROP. THERMO. PAVEMENT MARKING LINE, 24" RAILROAD TRANSVERSE LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)
- ⑪ PROP. THERMOPLASTIC PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑫ PROP. THERMOPLASTIC PVMT, MARKING LINE 4" 2" DASH 6' SKIP, WHITE (TYP.)
- ⑬ PROP. THERMOPLASTIC PVMT, MARKING 12" DIAGONALS @ 45°, WHITE (TYP.)

ROADWAY LEGEND

(A) PROP. SIDEWALK REMOVAL
PROP. PCC SIDEWALK, 5"
PROP. DETECTABLE WARNINGS



NOTES

TWO WAY LEFT TURN LANE MARKINGS
PROP. THERMOPLASTIC PAVEMENT MARKING 4"
SKIP DASH (30' SKIP 10' DASH) AND SOLID LINES
5 1/2" C-C, YELLOW, SEE TC-13

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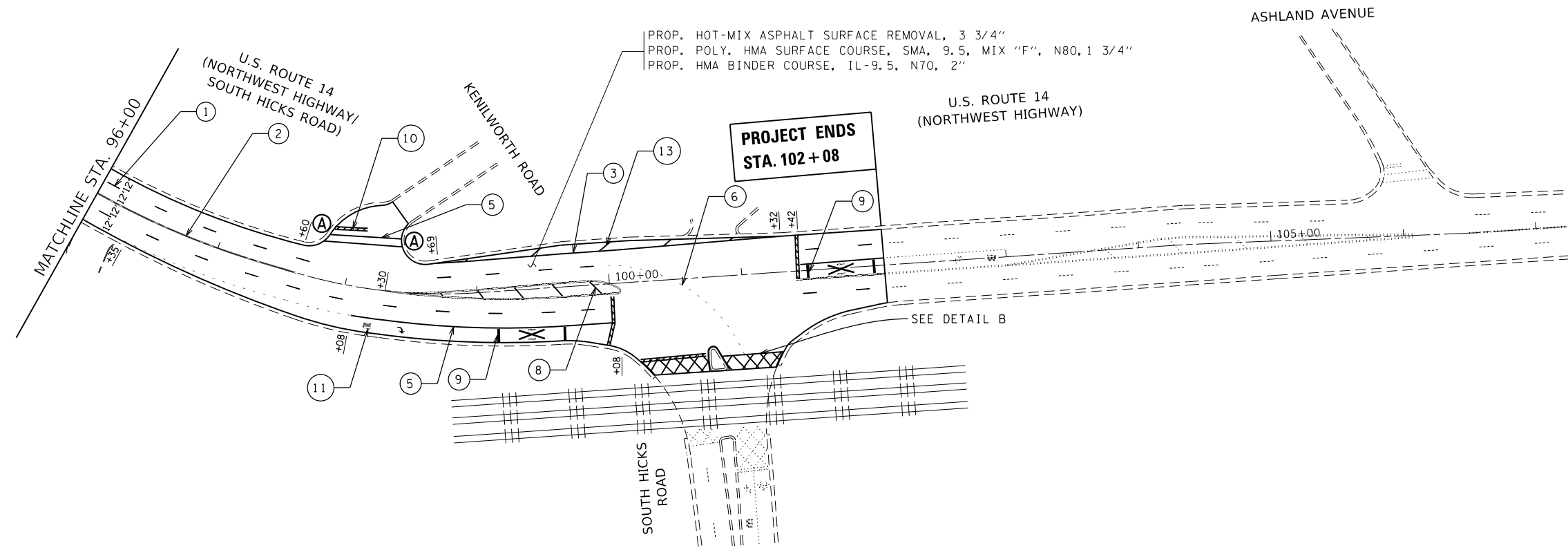
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
U.S. RTE. 14 (NORTHWEST HWY) (E/O SMITH ST. TO W/O SOUTH HICKS RD.)

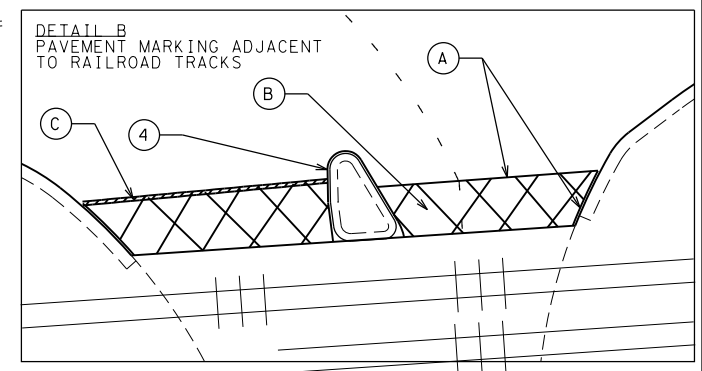
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	8
* - FAP 305/FAU 2592A			CONTRACT NO. 62J71	
ILLINOIS		FED. AID PROJECT		

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PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
 PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
 PROP. HMA BINDER COURSE, IL-9.5, N70, 2"



ROADWAY LEGEND

Ⓐ PROP. SIDEWALK REMOVAL
 PROP. PCC SIDEWALK, 5"
 PROP. DETECTABLE WARNINGS

- | | | |
|---|--|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 4",
10' DASH 30' SKIP, WHITE (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT MARKING 6",
SOLID, WHITE (TYP.) | ⑨ PROP. THERMO. PAVEMENT MARKING LINE, 24"
RAILROAD TRANSVERSE LINE, WHITE (TYP.) |
| ② PROP. THERMOPLASTIC PVMT MARKING 4",
SOLID, DOUBLE YELLOW @ 11" C-C (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT MARKING 6",
2' DASH 6' SKIP, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT MARKING LINE, 24"
STOPBAR, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4" SOLID,
EDGE LINE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 8",
ISLAND MARKING, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT. MARKING
LETTERS AND SYMBOLS, WHITE (TYP.) |
| ④ PROP. THERMOPLASTIC PVMT MARKING 4",
SOLID, YELLOW (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT. MARKING 12"
DIAGONALS @ 45°, WHITE (TYP.) | ⑫ PROP. THERMOPLASTIC PVMT. MARKING LINE 4"
2' DASH 6' SKIP, WHITE (TYP.) |
| | | ⑬ PROP. THERMOPLASTIC PVMT. MARKING 12"
DIAGONALS @ 45°, WHITE (TYP.) |

- Ⓐ PROP. THERMO. PAVEMENT MARKING LINE, 8"
SOLID, WHITE (TYP.)
- Ⓑ PROP. THERMO. PAVEMENT MARKING LINE, 6"
SOLID, WHITE @ 96" C-C (TYP.)
- Ⓒ PROP. THERMO. PAVEMENT MARKING LINE, 24"
SOLID, WHITE (TYP.)

USER NAME = senadeeraai	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

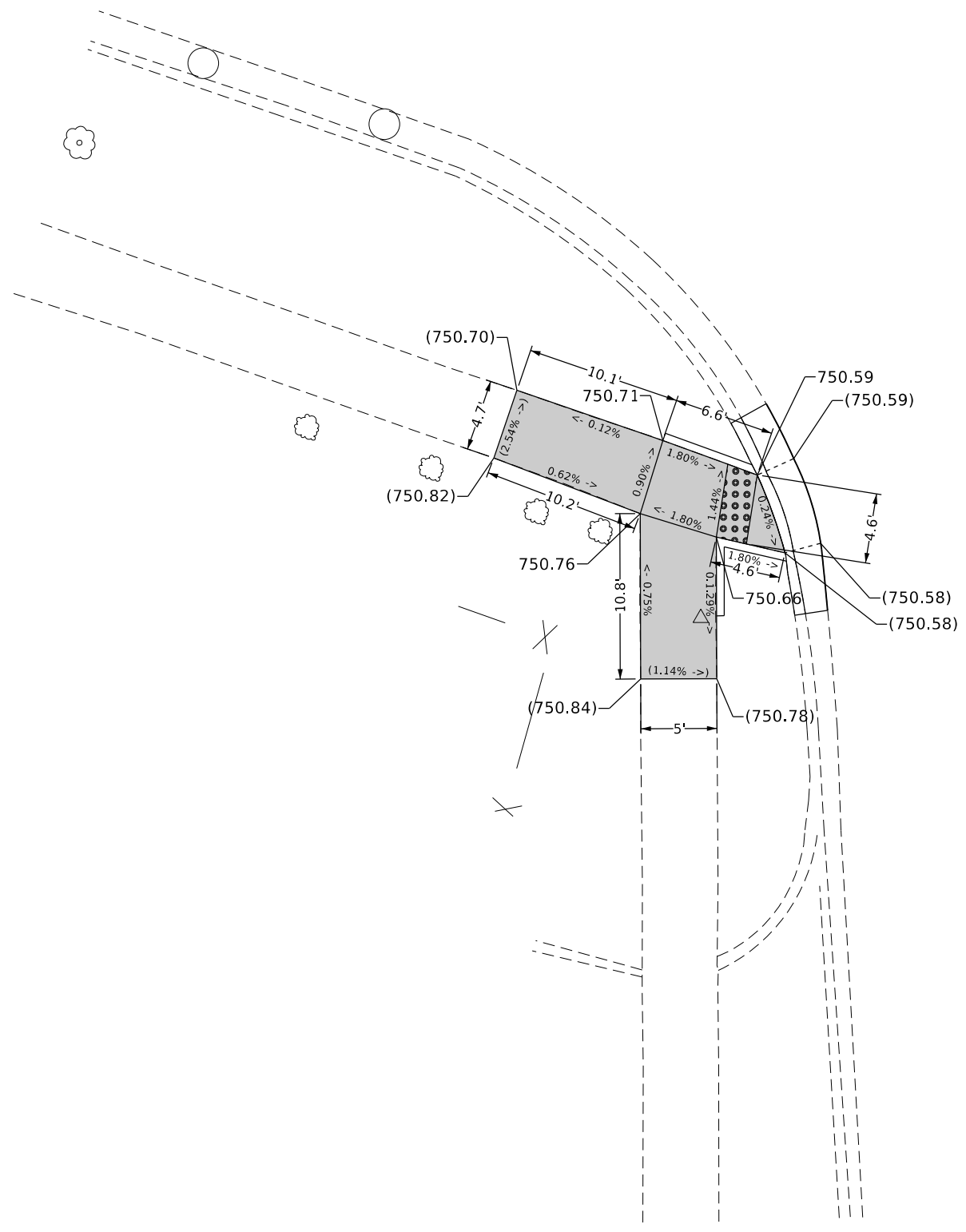
**EXISTING AND PROPOSED ROADWAY PLAN
 U.S. RTE. 14 (NORTHWEST HWY) (E/O SMITH ST. TO W/O SOUTH HICKS RD.)**

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

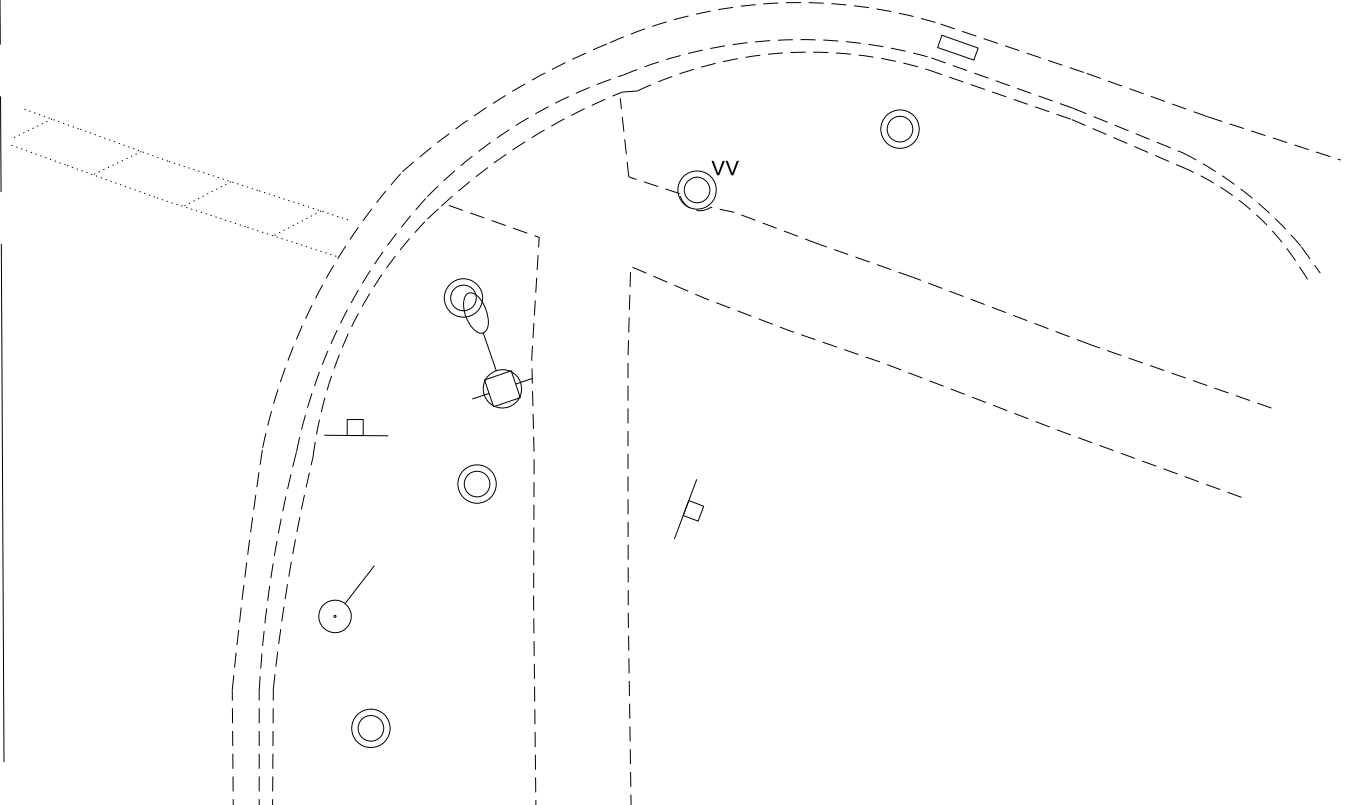
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*	2019-115-R5&SW	COOK	44	10
* - FAP 305/FAU 2592A			CONTRACT NO. 62J71	
ILLINOIS FED. AID PROJECT				



U.S. ROUTE 14 (NORTHWEST HWY)



T. BROCKWAY ST.



REFERENCE BENCHMARK ELEV 752.685

BENCHMARK : X-CUT ON NORTHWEST BOLT OF FIREHYDRANT

LOCATION : NORTHEAST CORNER OF US 14 & BROCKWAY ST.

LEGEND

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

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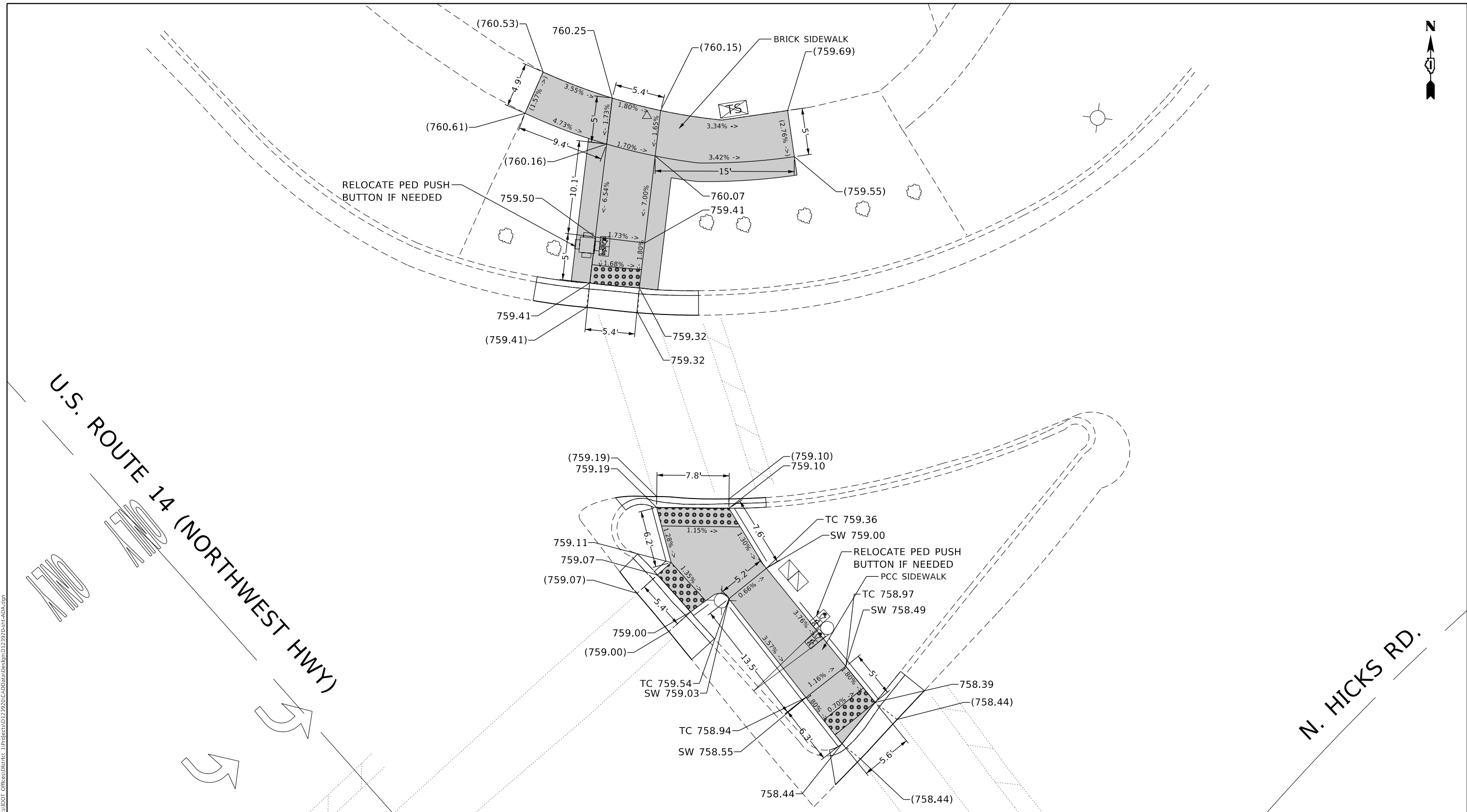
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PLOT DATE = 1/30/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
U.S. RTE. 14 (NORTHWEST HWY) (E/O SMITH ST. TO W/O SOUTH HICKS RD.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	11
* - FAP 305/FAU 2592A		CONTRACT NO. 62J71		
ILLINOIS FED. AID PROJECT				



U.S. ROUTE 14 (NORTHWEST HWY)

N. HICKS RD.

REFERENCE BENCHMARK ELEV 759.939
 BENCHMARK : BOX ON SOUTHEAST CORNER OF TRAFFIC SIGNAL CONTROL BOX
 LOCATION : NORTHWEST CORNER OF US 14 & HICKS RD.

LEGEND	
	EXISTING LENGTH
	PROPOSED SIDE CURB
	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

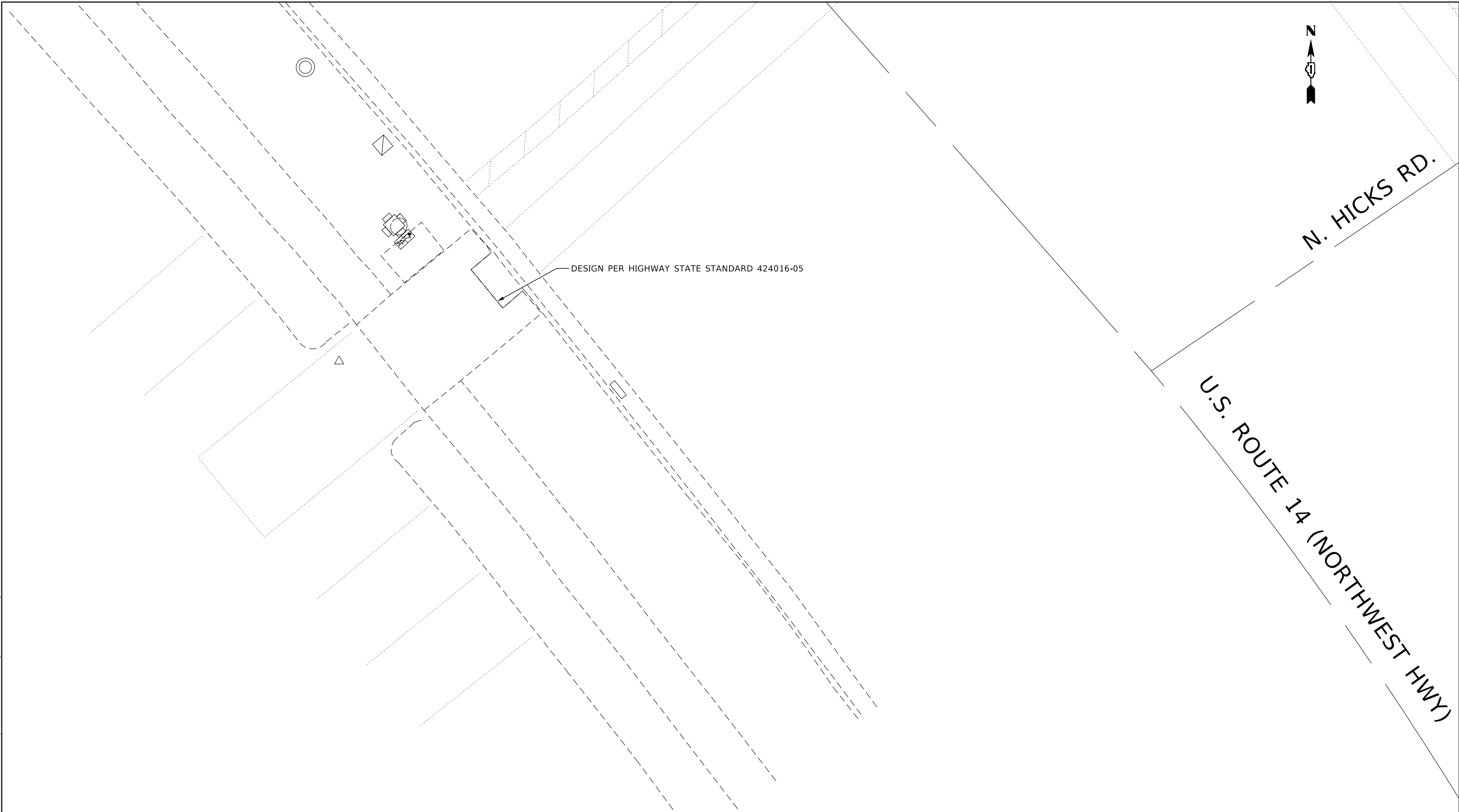
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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2020	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 U.S. RTE. 14 (NORTHWEST HWY) (E/O SMITH ST. TO W/O SOUTH HICKS RD.)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	13
* - FAP 305/FAU 2592A		CONTRACT NO. 62J71		
ILLINOIS FED. AID PROJECT				

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N. HICKS RD.

U.S. ROUTE 14 (NORTHWEST HWY)

DESIGN PER HIGHWAY STATE STANDARD 424016-05

REFERENCE BENCHMARK ELEV 759.939

BENCHMARK : BOX ON SOUTHEAST CORNER OF TRAFFIC SIGNAL CONTROL BOX

LOCATION : NORTHWEST CORNER OF US 14 & HICKS RD.

LEGEND

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

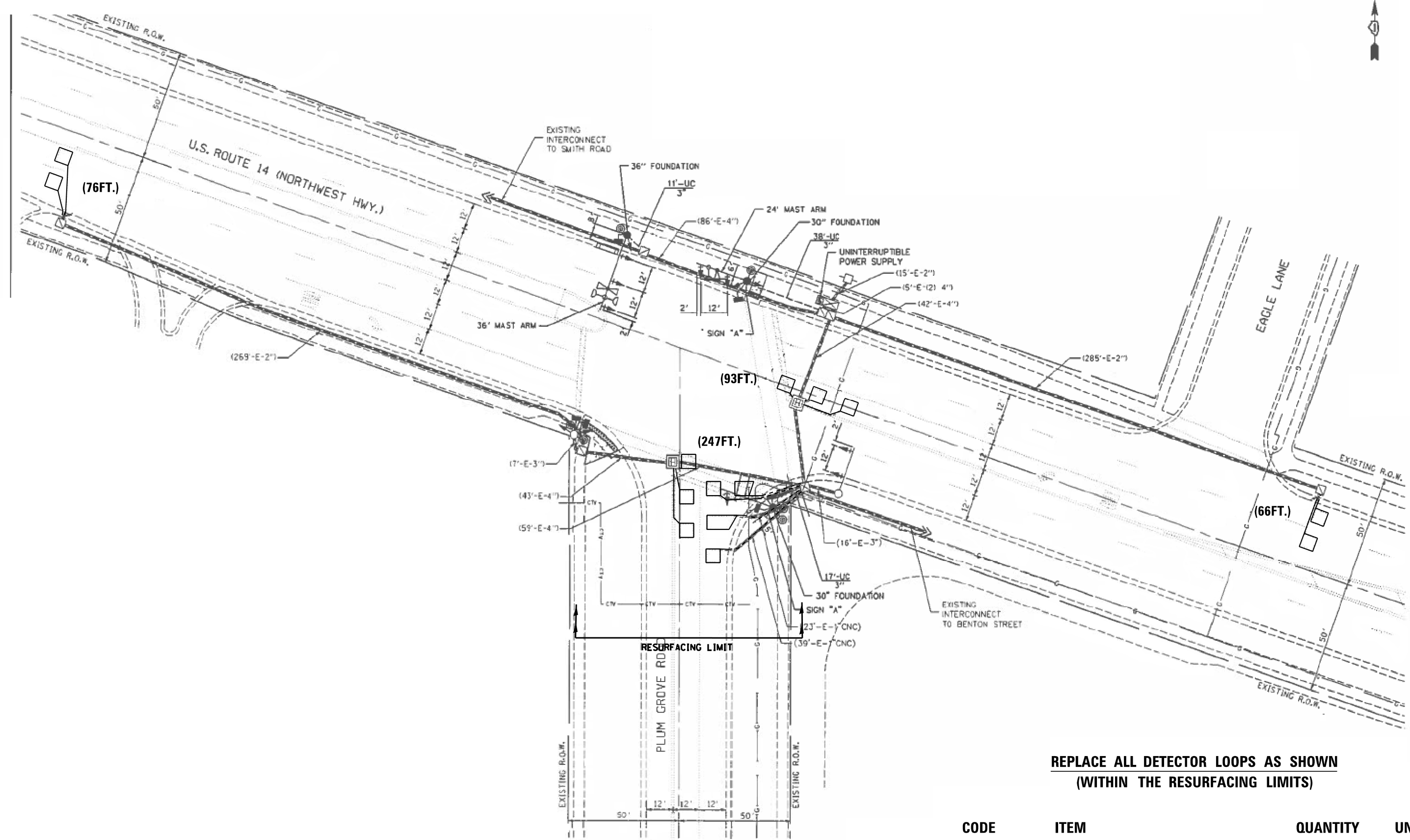
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PLOT DATE = 1/30/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN			
U.S. RTE. 14 (NORTHWEST HWY) (E/O SMITH ST. TO W/O SOUTH HICKS RD.)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	15
* - FAP 305/FAU 2592A			CONTRACT NO. 62J71	
ILLINOIS FED. AID PROJECT				



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

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88600600	DETECTOR LOOP REPLACEMENT	482	FOOT

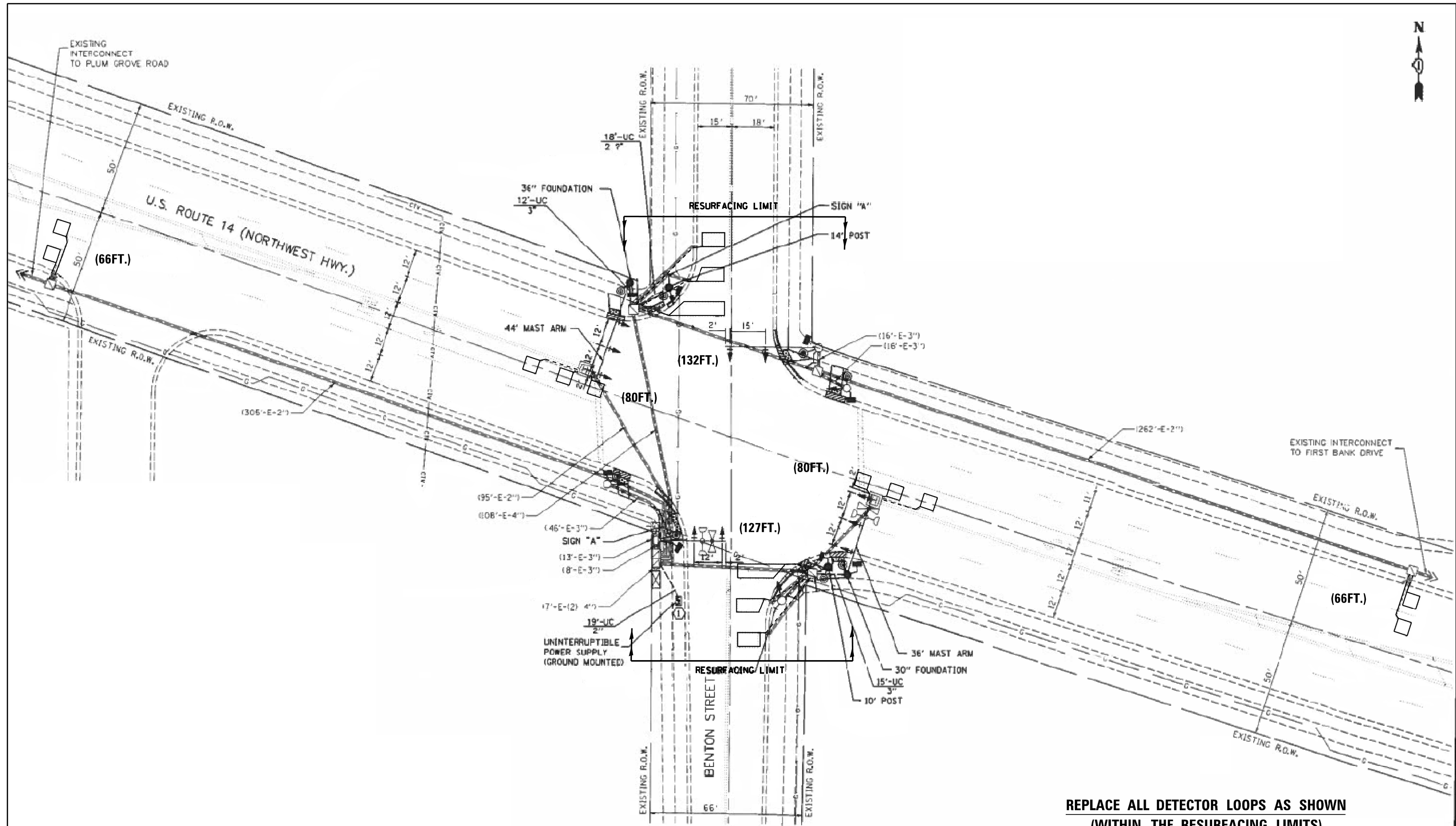
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	PLOT DATE = 12/9/2019	DATE - 10/30/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
US 14 (NORTHWEST HIGHWAY) AT PLUM GROVE RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	22
* - FAP 305/ FAU 2592A			CONTRACT NO. 62J71	
ILLINOIS FED. AID PROJECT				



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

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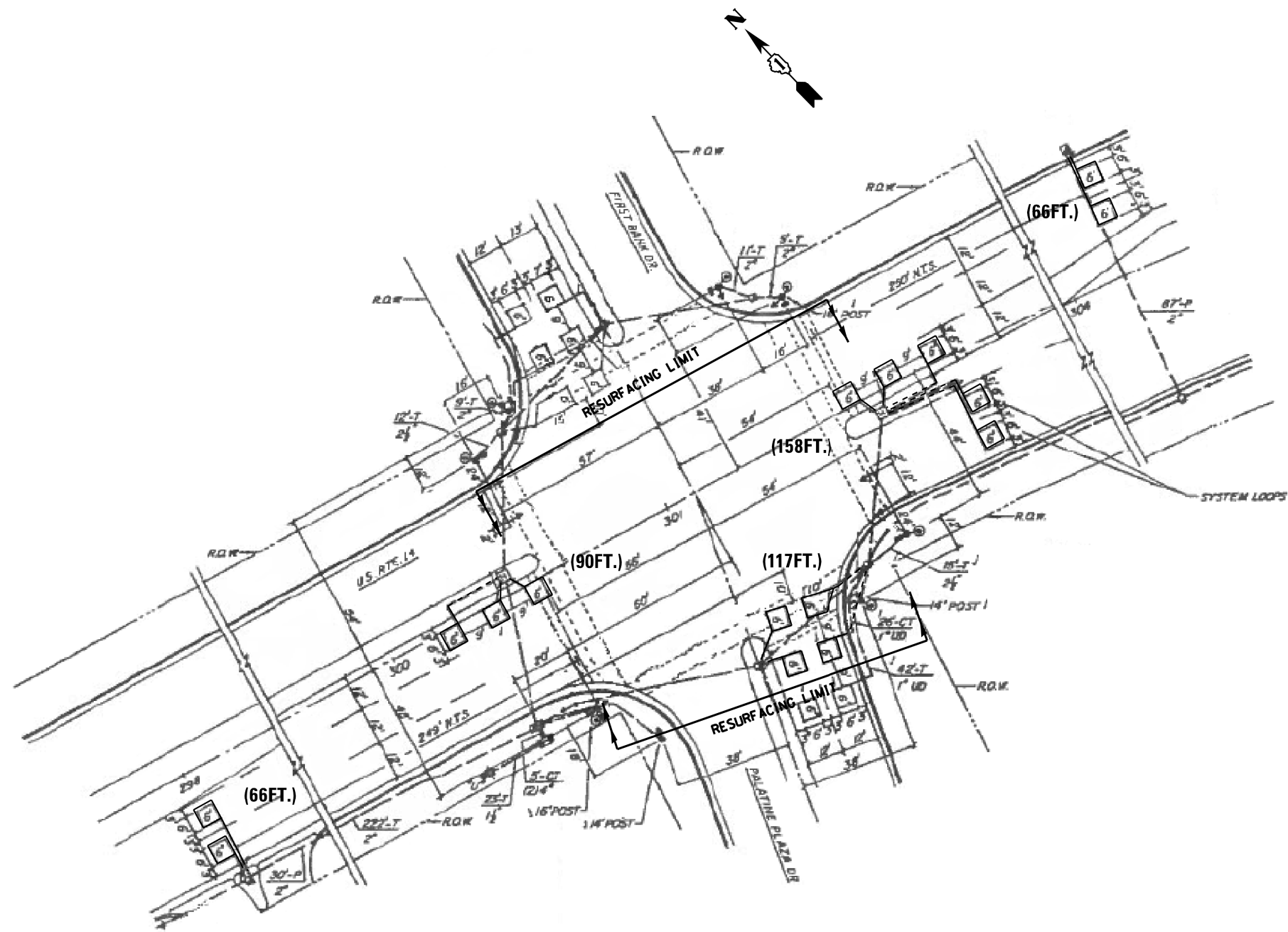
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
US 14 (NORTHWEST HIGHWAY) AT BENTON ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	23
* - FAP 305/ FAU 2592A			CONTRACT NO. 62J71	
ILLINOIS FED. AID PROJECT				



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

CODE	ITEM	QUANTITY	UNIT
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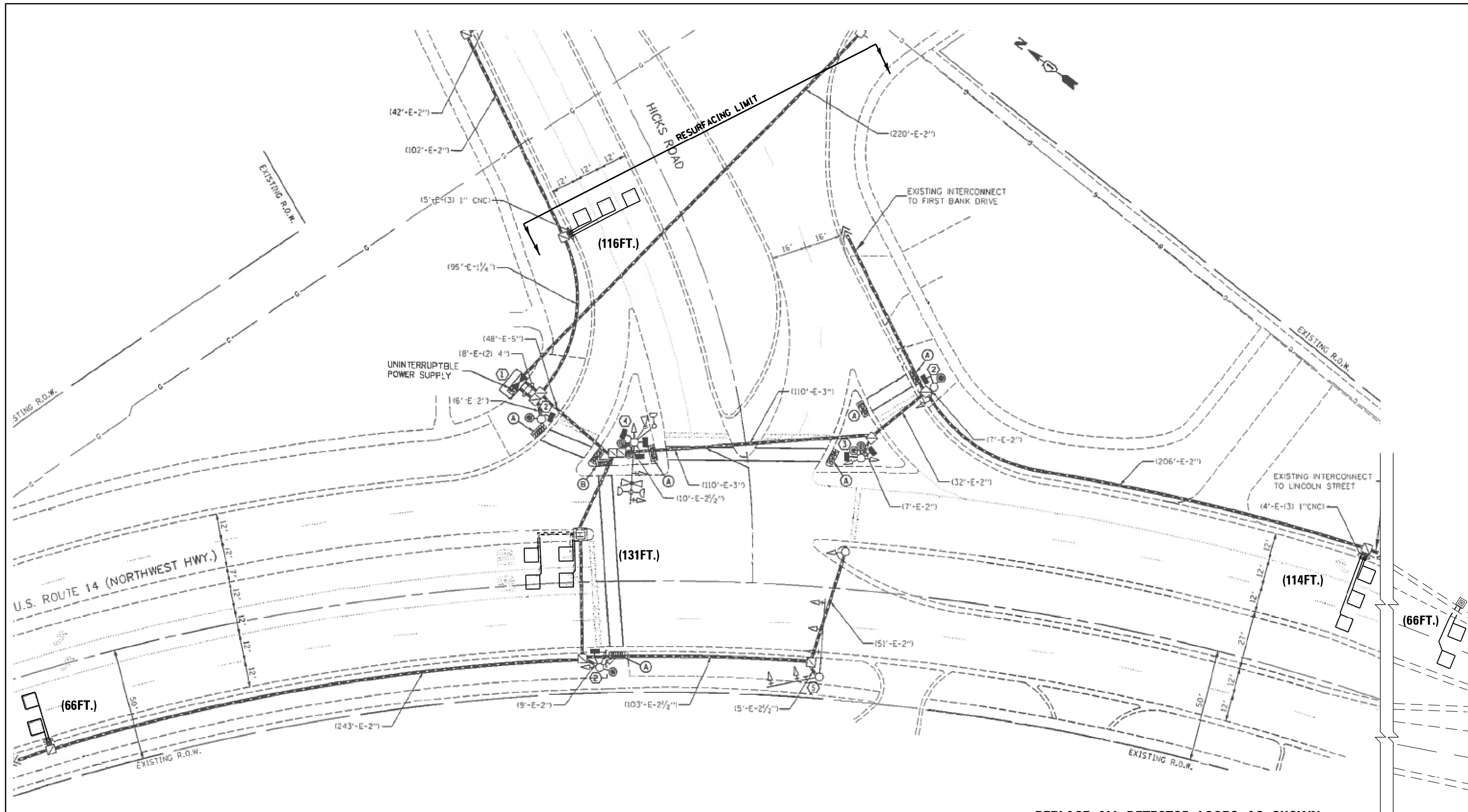
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Default	PLOT DATE = 12/9/2019	DATE - 10/31/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
US 14 (NORTHWEST HIGHWAY) AT FIRST BANK DR.**

SCALE: SHEET OF SHEETS STA. TO STA.

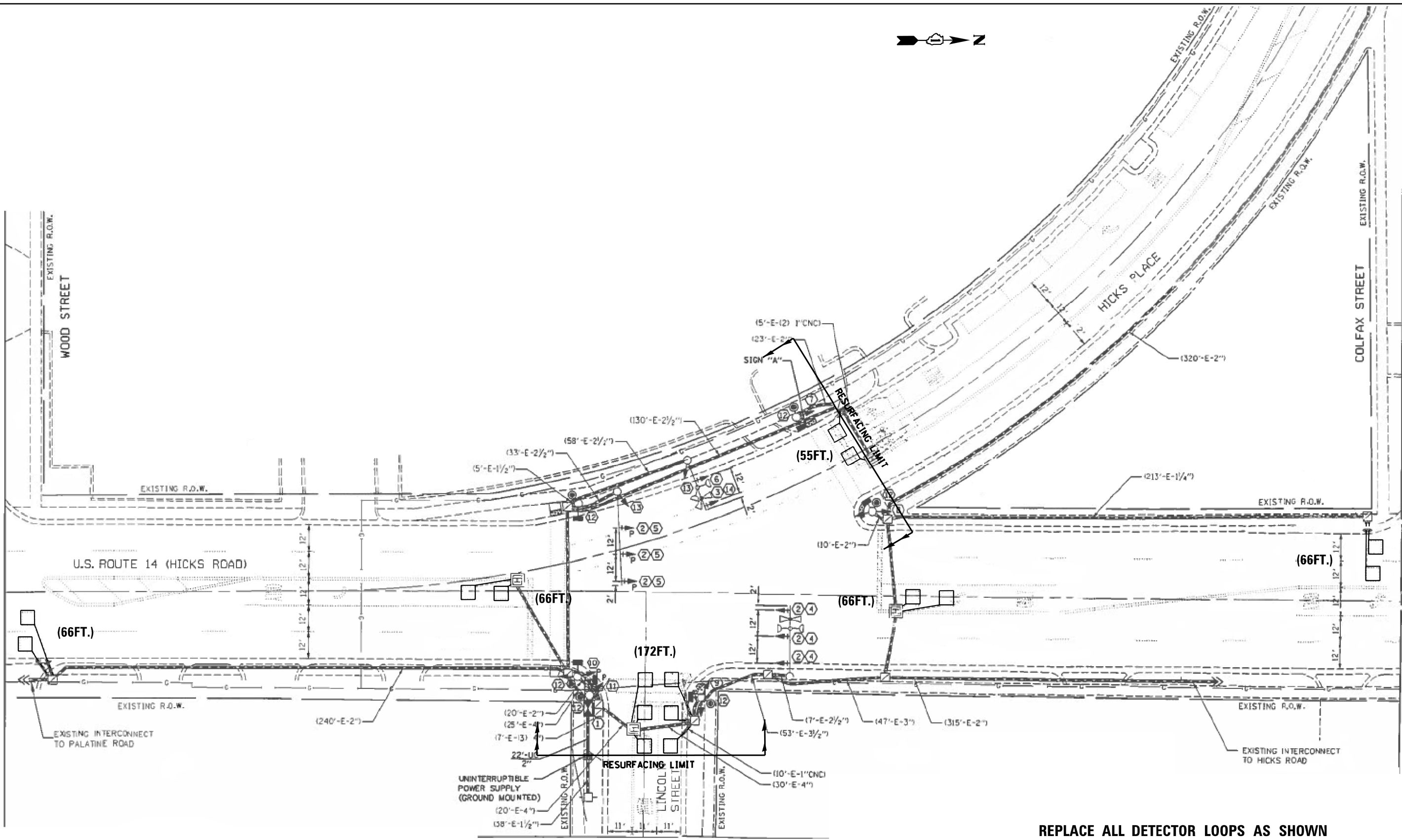
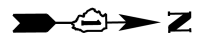
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-115-R5&SW	COOK	44	24
* - FAP 305/ FAU 2592A			CONTRACT NO. 62J71	
ILLINOIS FED. AID PROJECT				



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	493	FOOT

FILE NAME =	USER NAME = mezag	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN US 14 (NORTHWEST HIGHWAY) AT NORTH HICKS RD.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 12/9/2019					SCALE:	SHEET OF SHEETS	STA. TO STA.		



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	491	FOOT

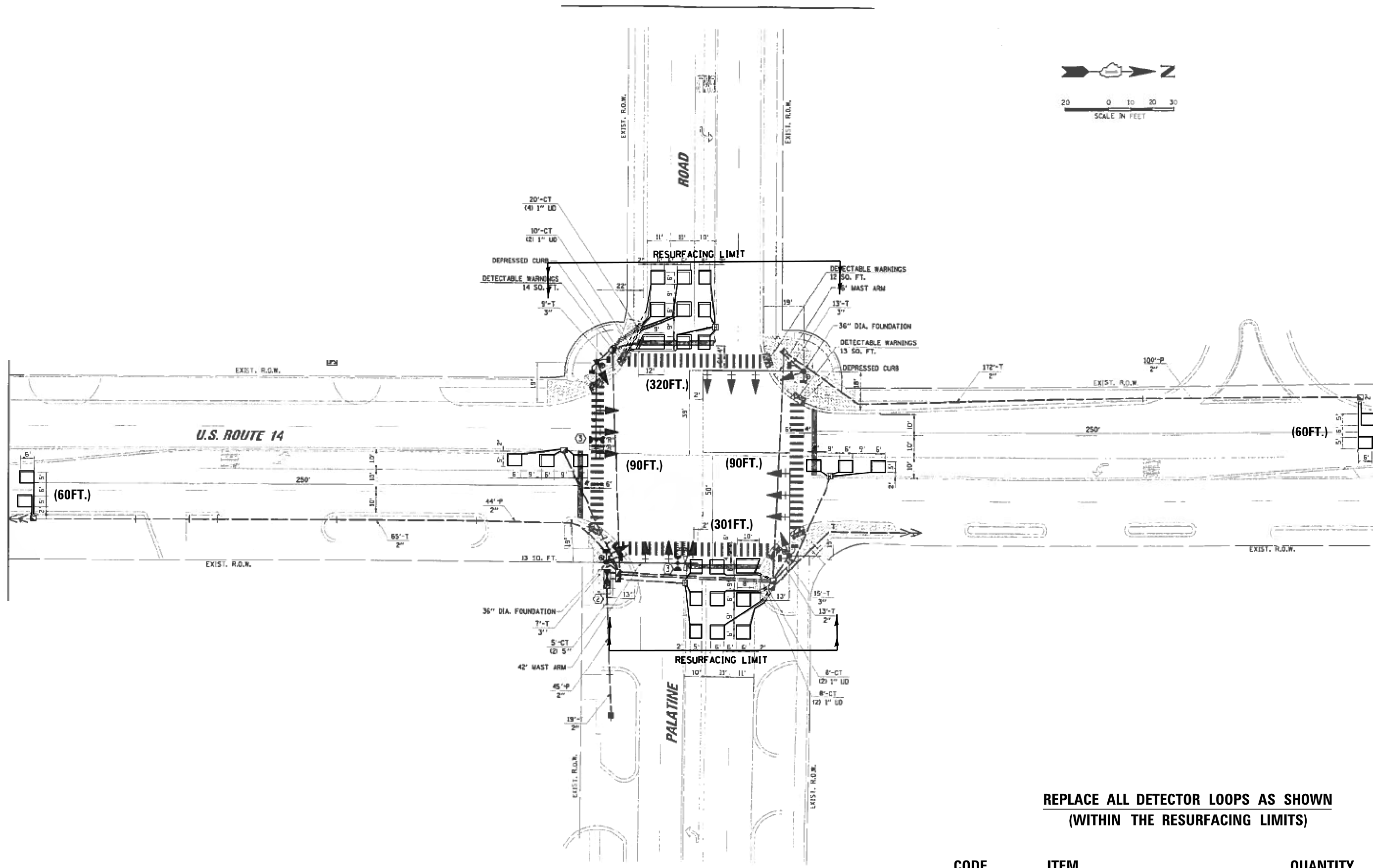
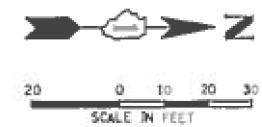
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
US 14 (NORTHWEST HIGHWAY) AT LINCOLN ST. / HICKS PL.**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-115-R5&SW	COOK	44	26
FAP 305/ FAU 2592A		CONTRACT NO. 62J71		
ILLINOIS FED. AID PROJECT				

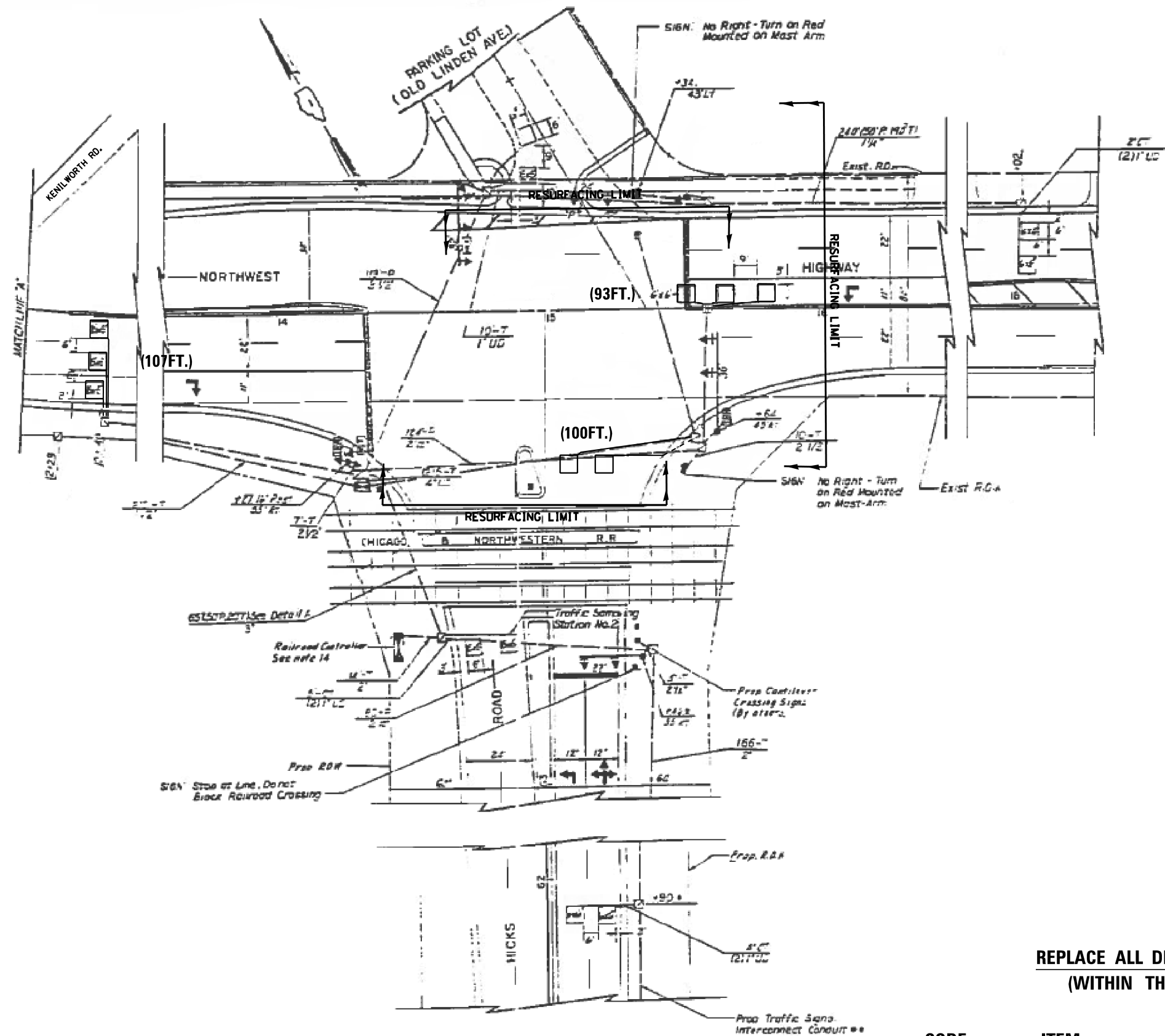
SCALE: SHEET OF SHEETS STA. TO STA.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	921	FOOT

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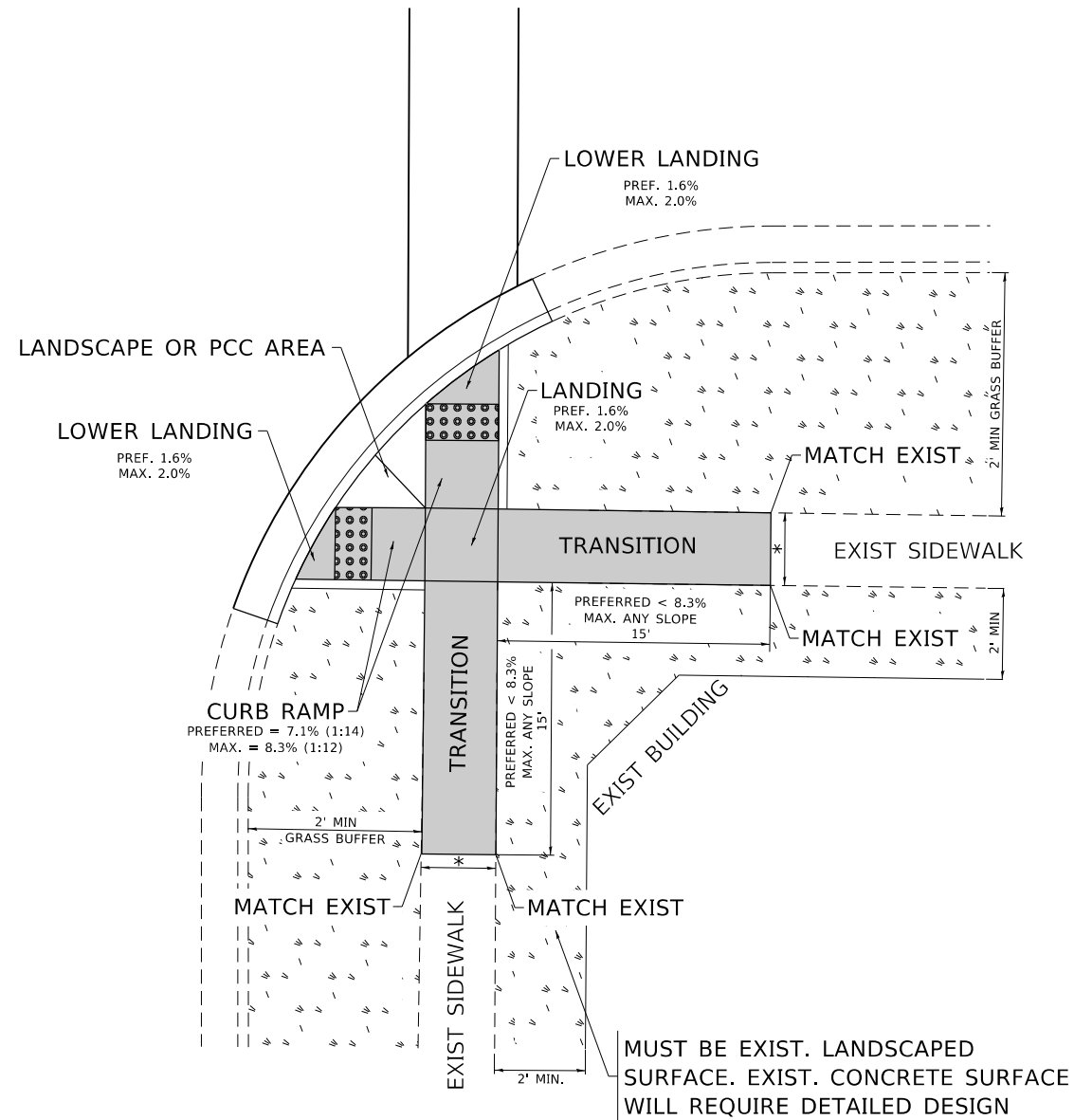


**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

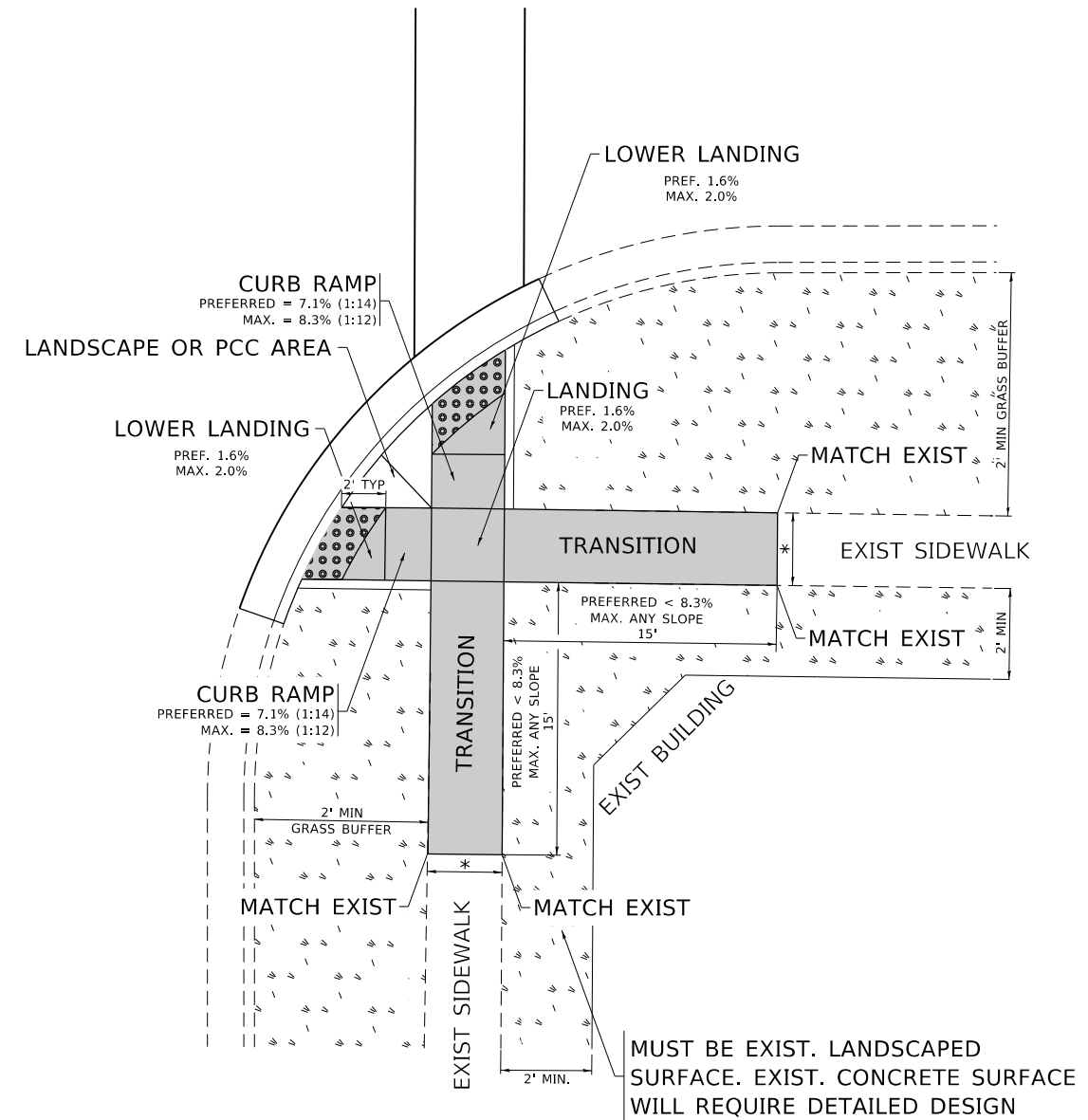
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	300	FOOT

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND

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

CONSTRUCTION NOTES:

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

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DATE: 12/13/2019

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	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)**

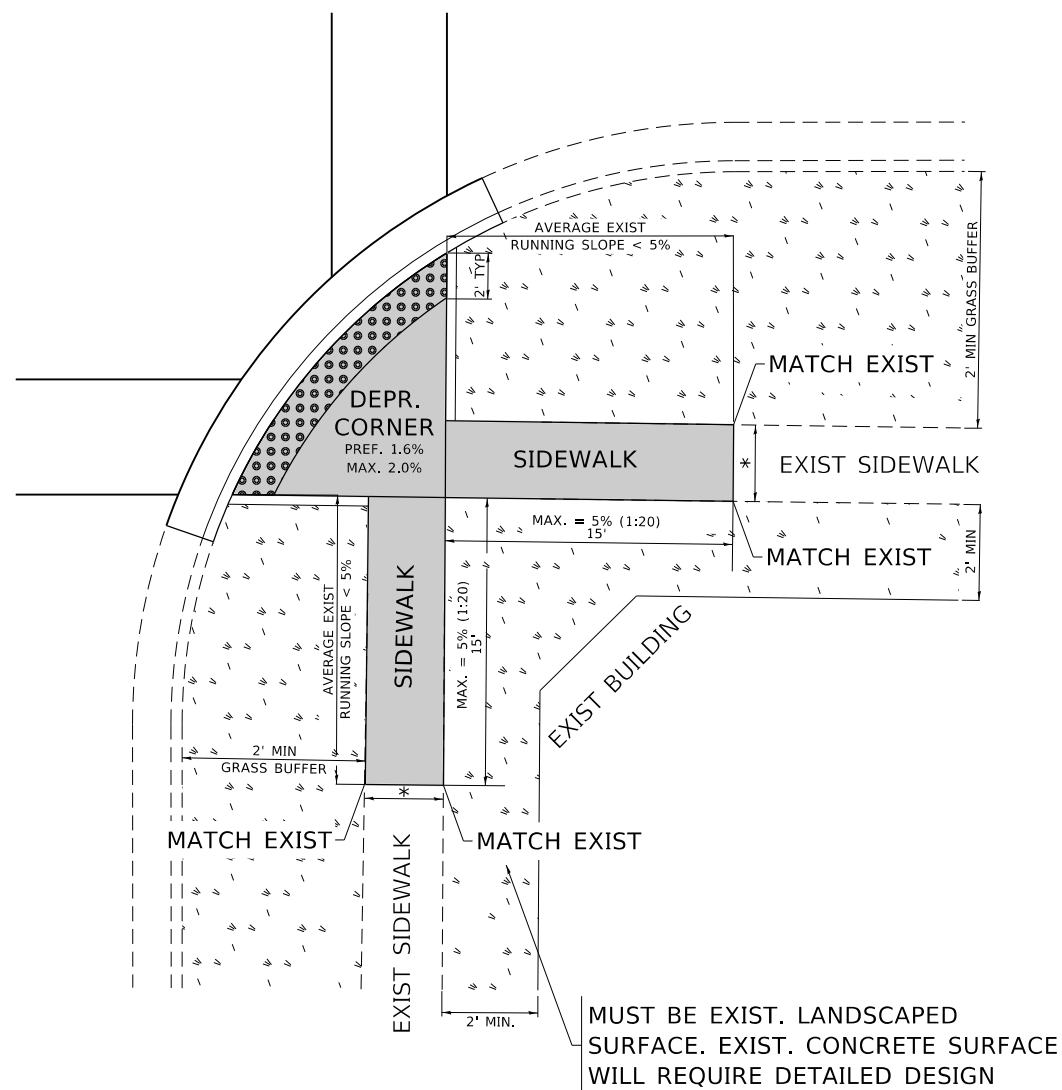
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	30
	PD-03			CONTRACT NO. 62J71

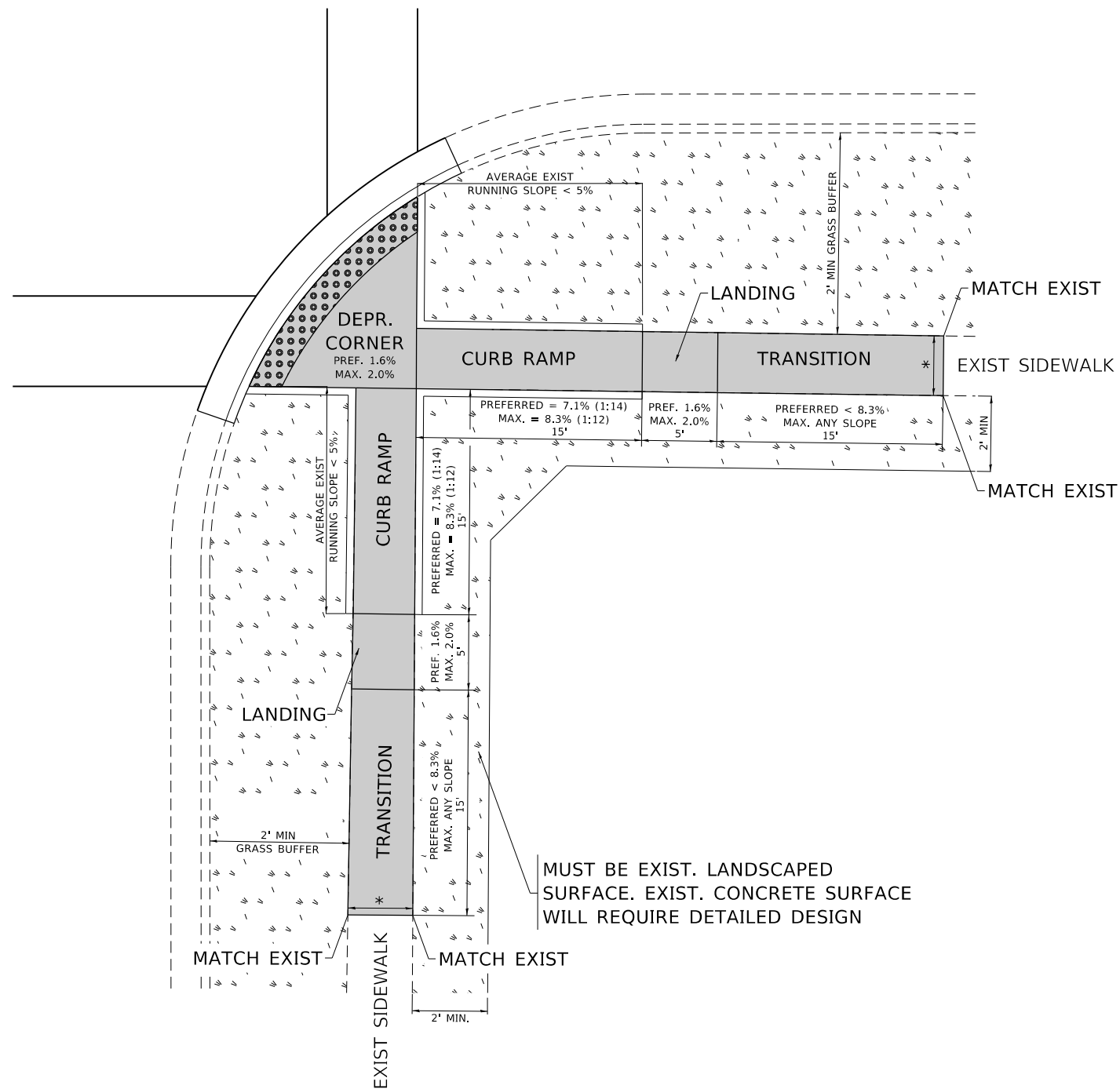
* FAP 305/FAU 2592A | ILLINOIS | FED. AID PROJECT

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

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

CONSTRUCTION NOTES:

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

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	DRAWN - R. LEDEZMA	REVISED -
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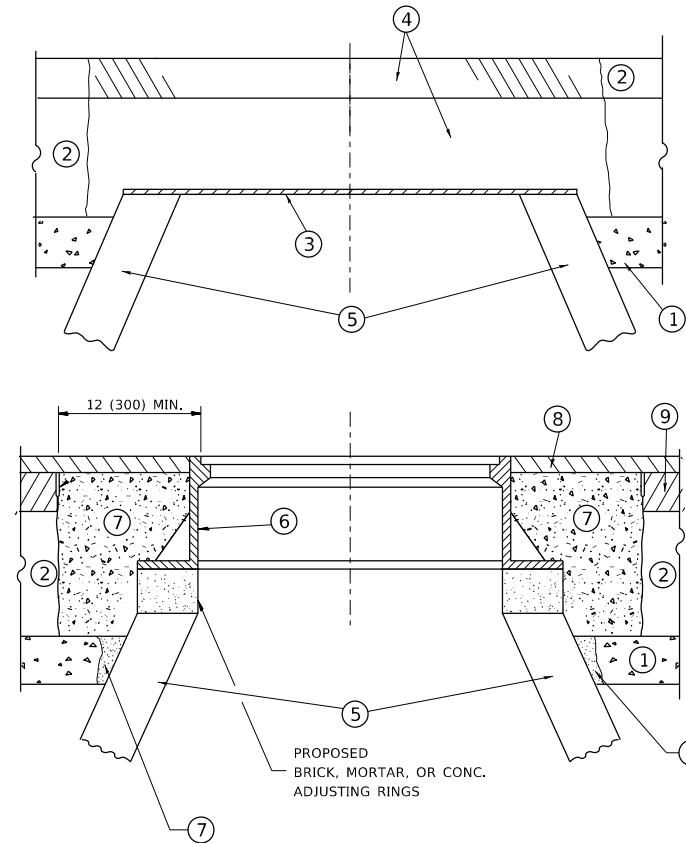
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD-05)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	32
	PD-05			CONTRACT NO. 62J71

* FAP 305/FAU 2592A ILLINOIS FED. AID PROJECT



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.

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 1½ (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
- ⑥ FRAME AND LID (SEE NOTES)
- ② EXISTING PAVEMENT
- ⑦ CLASS PP-1 *CONCRETE
- ③ 36 (900) DIAMETER METAL PLATE
- ⑧ PROPOSED HMA SURFACE COURSE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑨ PROPOSED HMA BINDER COURSE
- ⑤ EXISTING STRUCTURE

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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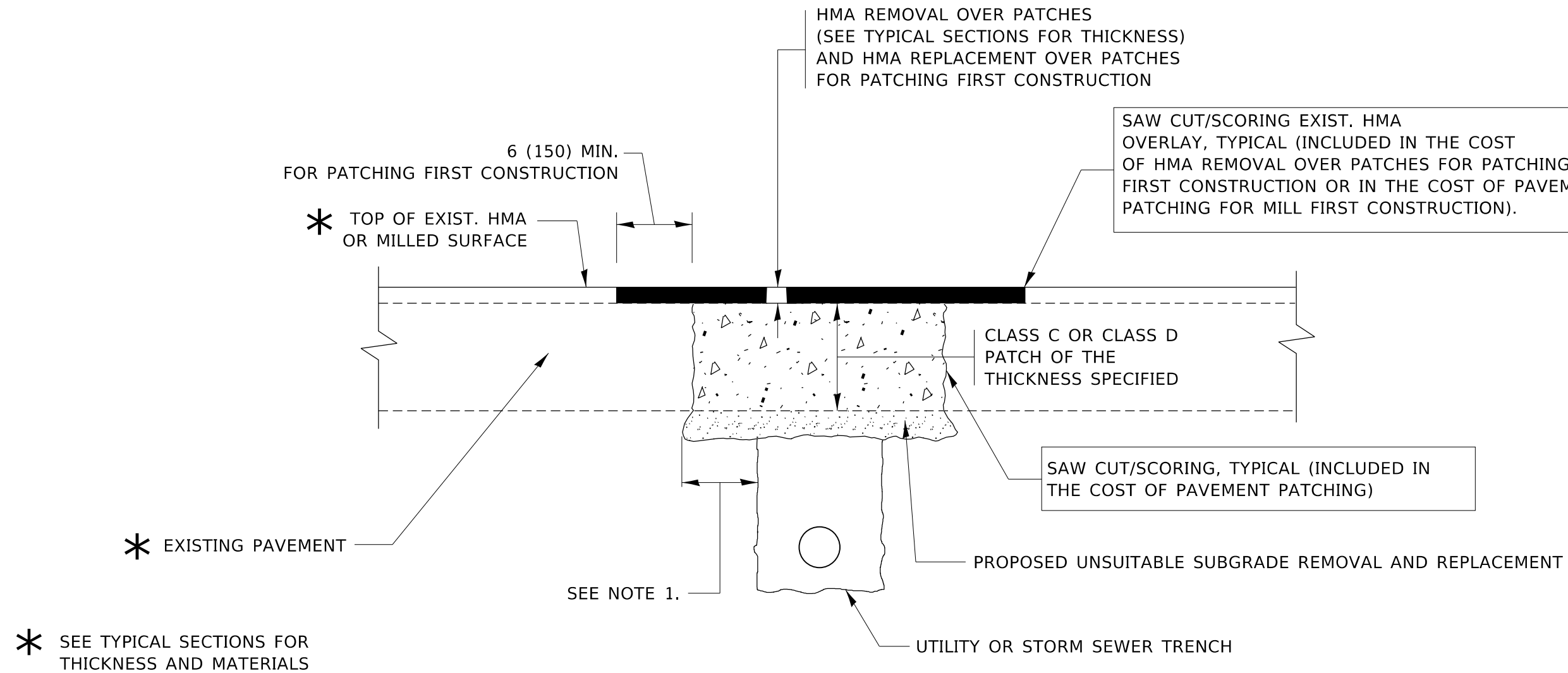
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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 12/13/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	33
BD600-03 (BD-8)		CONTRACT NO. 62J71		
* FAP 305/FAU 2592A ILLINOIS FED. AID PROJECT				



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 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 12/13/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	34
BD400-04 (BD-22)			CONTRACT NO. 62J71	
* FAP 305/FAU 2592A ILLINOIS FED. AID PROJECT				

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

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

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

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

¼" (5) **

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

PROPOSED ¾" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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

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

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 USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

NOTE:

- 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.
- FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED.
- CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- 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.
- 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.
- 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.
- 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.

BASIS OF PAYMENT

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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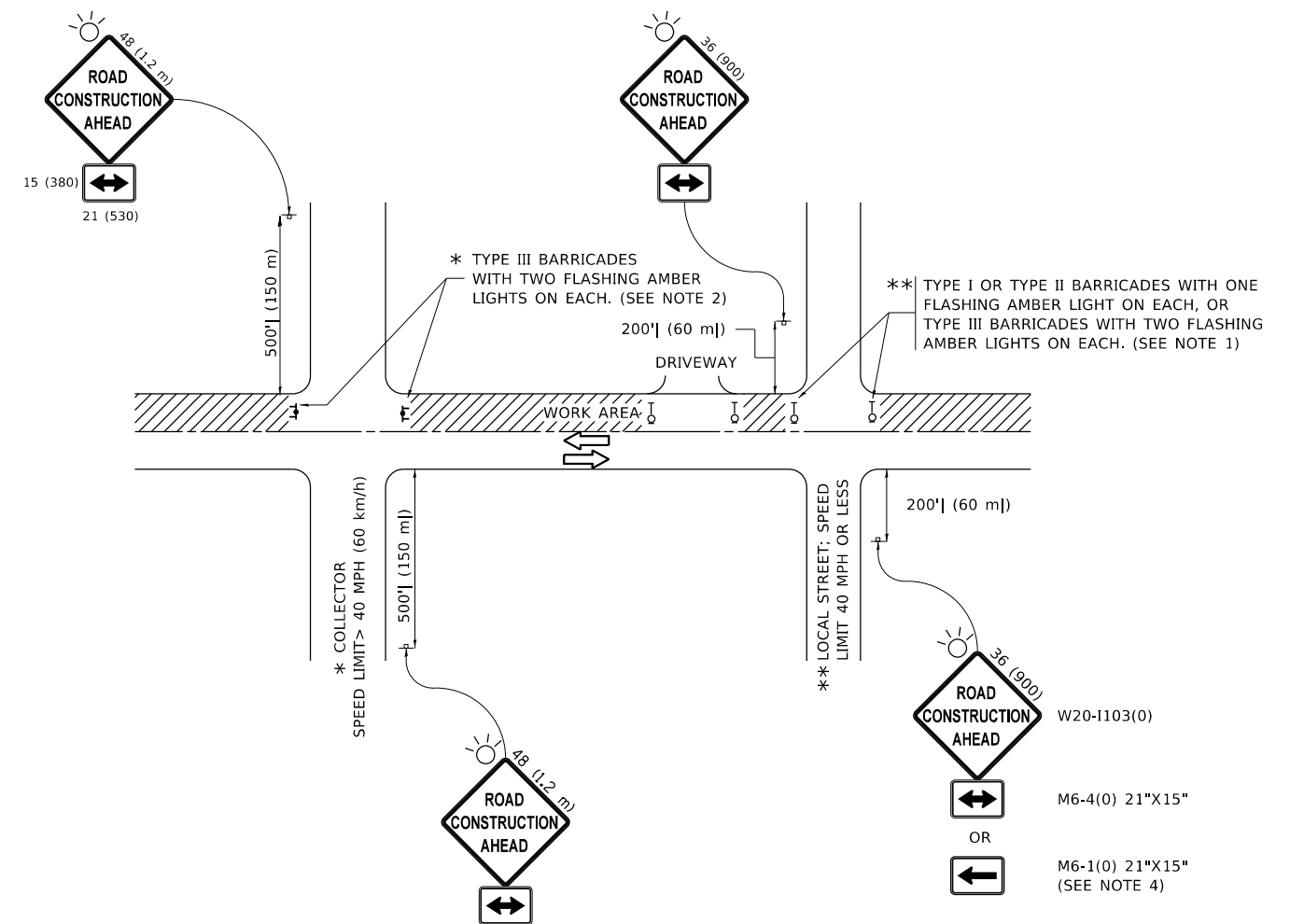
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	DRAWN -	REVISED - A. ABBAS 03-21-97
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PLOT DATE = 12/13/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	35
BD600-06 (BD-24)			CONTRACT NO. 62J71	
* FAP 305/FAU 2592A ILLINOIS FED. AID PROJECT				



NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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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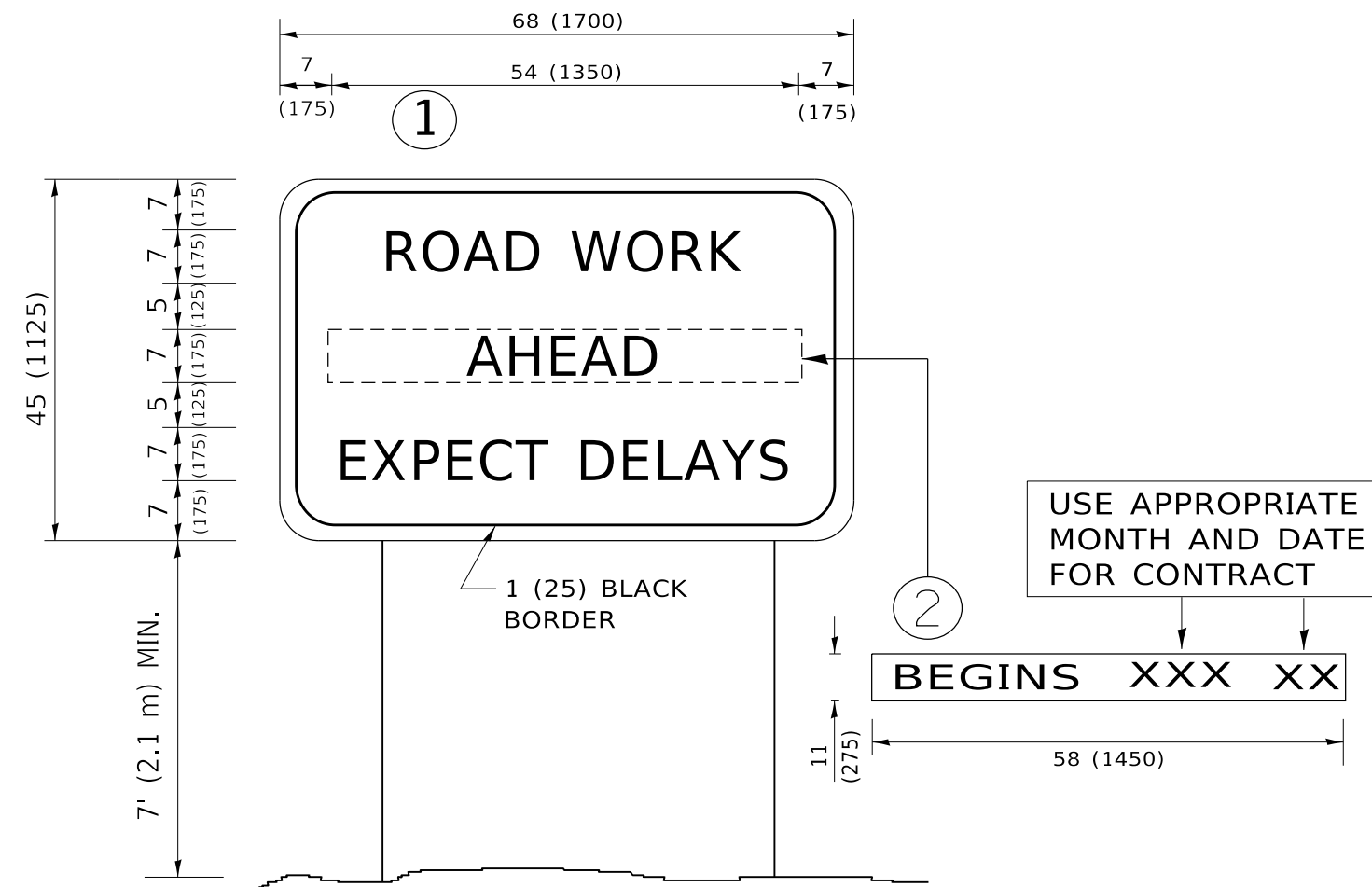
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PLOT DATE = 12/13/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	37
TC-10			CONTRACT NO. 62J71	
* FAP 305/FAU 2592A 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.

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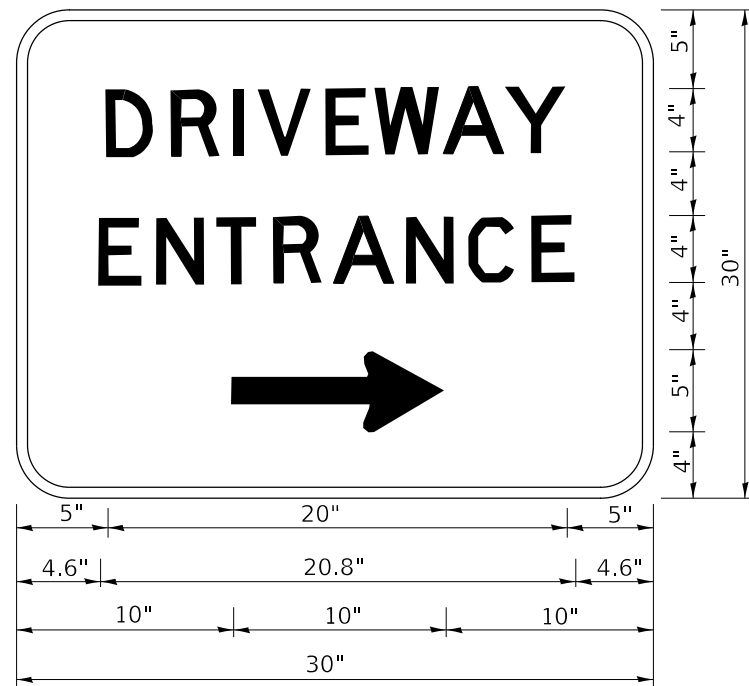
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PLOT DATE = 12/13/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	42
TC-22			CONTRACT NO. 62J71	
* FAP 305/FAU 2592A ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2019-115-R5&SW	COOK	44	43
TC-26			CONTRACT NO. 62J71	
* FAP 305/FAU 2592A ILLINOIS FED. AID PROJECT				

