

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-RS&SW	COOK	36	1
ILLINOIS CONTRACT NO.		62L04		

D-91-415-20

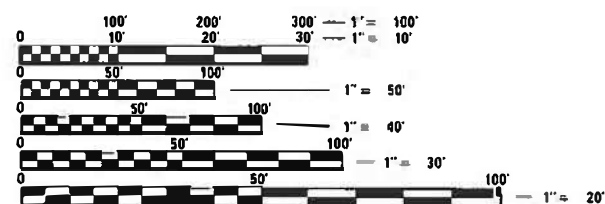
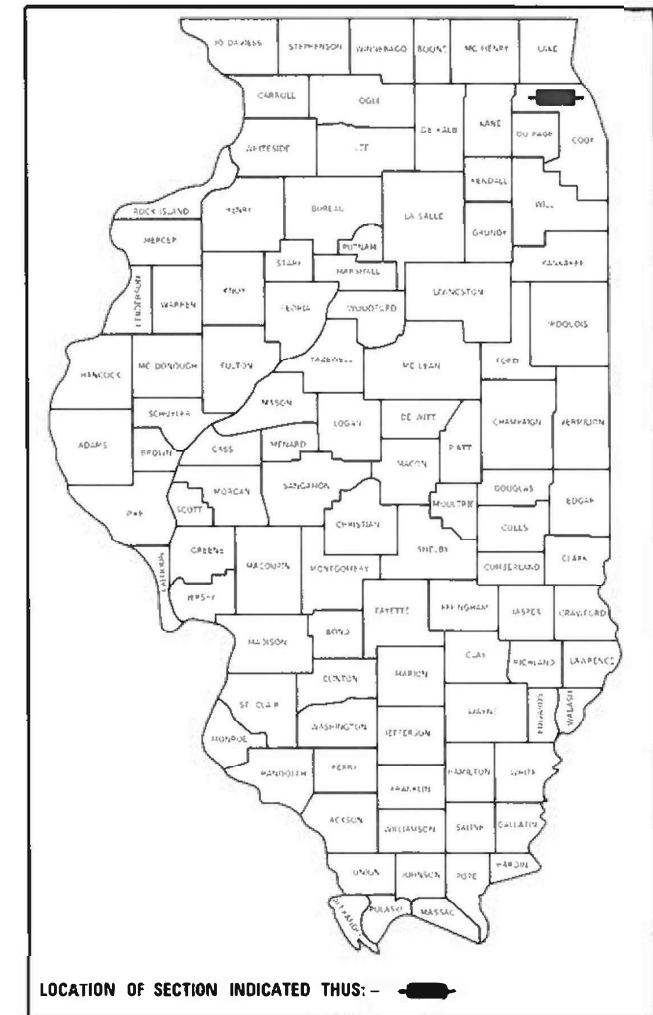
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF SKOKIE AND CITY OF EVANSTON

TRAFFIC DATA  
ADT 2017: 11700  
SPEED LIMIT: 30 MPH

PROPOSED  
HIGHWAY PLANS

F.A.U 1313 ROUTE - CHURCH ST  
FROM GROSS POINT RD TO DODGE AVE  
SECTION 2020-032-RS&SW  
PROJECT STP-BQTY(342)  
SMART OVERLAY , ADA IMPROVEMNET  
COOK COUNTY  
C-91-222-20



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 MANAGER J. ALAIN MIDY (847)221-3056

CONTRACT NO. 62L04



PROJECT BEGINS:  
STA. 13 + 53

PROJECT ENDS:  
STA. 150 + 37

NILES AND EVANSTON TOWNSHIPS

GROSS LENGTH = 13,684 FT. = NET 2.592 MILE  
LENGTH = 13,509 FT. = 2.559 MILE  
OMMISSION FROM 121+26 TO 123+01

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED October 6, 2020  
*[Signature]* REGIONAL ENGINEER  
December 4, 2020  
*[Signature]* ENGINEER OF DESIGN AND ENVIRONMENT  
December 4, 2020  
*[Signature]* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
3-5	SUMMARY OF QUANTITIES
6	EXISTING AND PROPOSED TYPICAL SECTIONS
7-11	ROADWAY AND PAVEMENT MARKING PLAN
12-19	DETECTOR LOOP REPLACEMENT PLAN
20	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m) (BD-01)
21	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
23	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
24	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
25	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
26	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
27	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
28	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
29	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
30	ARTERIAL ROAD INFORMATION SIGN (TC-22)
31	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)
32	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)
33	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-03)
34	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-04)
35	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-05)
36	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-06)

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS
424016-05	MID BLOCK CURB RAMPS
424021-06	DEPRESSED CORNER
442201-03	CLASS C AND D PATCHES
606001-07	CONCRETE CURB TYPE B AND COMINATION CONCRETE AND GUTTER
701011-04	OFF-RD MOVING OPERATION 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE 15' (4.5 m) TO 24' (600 mm) 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 OPER. FOR SPEEDS = 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-10	URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF SKOKIE AND EVANSTON.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE DEPARTMENT.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

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.

ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL, P.C.C. SIDEWALK 5", AND DRAINAGE ADJUSTMENT LOCATIONS WILL BE DETERMINED IN THE FIELD 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 DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS OF WORK.

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

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.

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.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

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.

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

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.

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

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.

MODEL: Default  
FILE: \\hpc-pub\hpcroom\dat\illinois.gov\PWIDOT\Documents\DOT - Offices\District 1\Projects\141520\CADD\Drawings\141520-shr-ag-general.dgn

USER NAME = hassann	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/24/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHURCH ST. (GROSS POINT RD. TO DODGE AVE.)  
INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	Cook	36	2
				CONTRACT NO. 62L04
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 FED 80% STATE 20%	0005 STATE 100%			
20200100	EARTH EXCAVATION	CU YD	170	170				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1150	1150				
25200110	SODDING, SALT TOLERANT	SO YD	1150	1150				
25200200	SUPPLEMENTAL WATERING	UNIT	1	1				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	34800	34800				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	116	116				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1250	1250				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	6500	6500				
42001300	PROTECTIVE COAT	SO YD	2500	2500				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	17500	17500				
42400800	DETECTABLE WARNINGS	SO FT	1740	1740				
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	77313	77313				
44000600	SIDEWALK REMOVAL	SO FT	17500	17500				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 FED 80% STATE 20%	0005 STATE 100%			
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SO YD	500	500				
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	500	500				
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	300	300				
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	300	300				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	35	35				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	3	3				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	170	170				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	25	25				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				

FILE NAME =	USER NAME = hssomn	DESIGNED -	REVISED -
pw:\planroom\dtd\illinois\gov\PIWDOT\Documents\DOT	Offices\District N\Projects\DI41520\CADData\Des\gn\DI41520-st	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in	CHECKED -	REVISED -
	PLOT DATE = 10/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHURCH ST. (GROSS POINT RD. TO DODGE AVE.)  
SUMMARY OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-RS&SW	COOK	36	3
CONTRACT NO.			62L04	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

\* SPECIALTY ITEM    Δ NON-PARTICIPATING

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 FED 80% STATE 20%	0005 STATE 100%					0005 FED 80% STATE 20%		0005 STATE 100%					
67100100	MOBILIZATION	L SUM	1	1					* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	256.2	256.2				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19410	19410				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5300	5300				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	10100	10100				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1620	1620				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	90000	90000					* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	450	450				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	30000	30000					* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	900	900				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	256.2	256.2					78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	700	700				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	19410	19410					* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	4				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5300	5300					* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	4226	4226				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	10100	10100					* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	8	8				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1620	1620					* 89502376	REBUILD EXISTING HANDHOLE	EACH	13	13				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	22500	22500													

FILE NAME =	USER NAME = hssomn	DESIGNED -	REVISED -
pw:\planroom\dtd\111\mof.gov\PI\001\Documents\VDOT\0\files\Dist\1\Project\41520\CADD\0\Design\41520-sr-		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

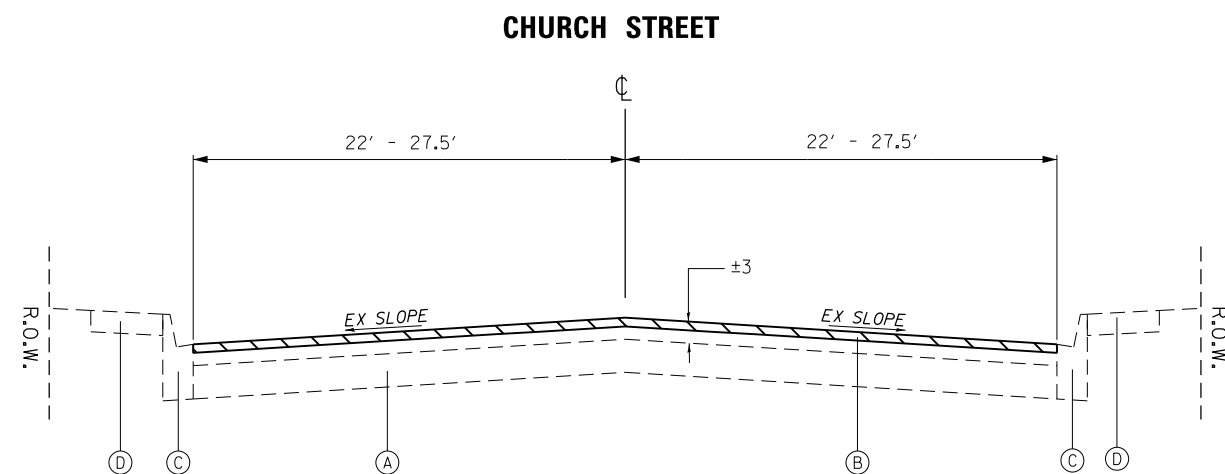
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHURCH ST. (GROSS POINT RD. TO DODGE AVE.)  
SUMMARY OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-RS&SW	COOK	36	4
CONTRACT NO. 62L04			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

\* SPECIALTY ITEM    Δ NON-PARTICIPATING

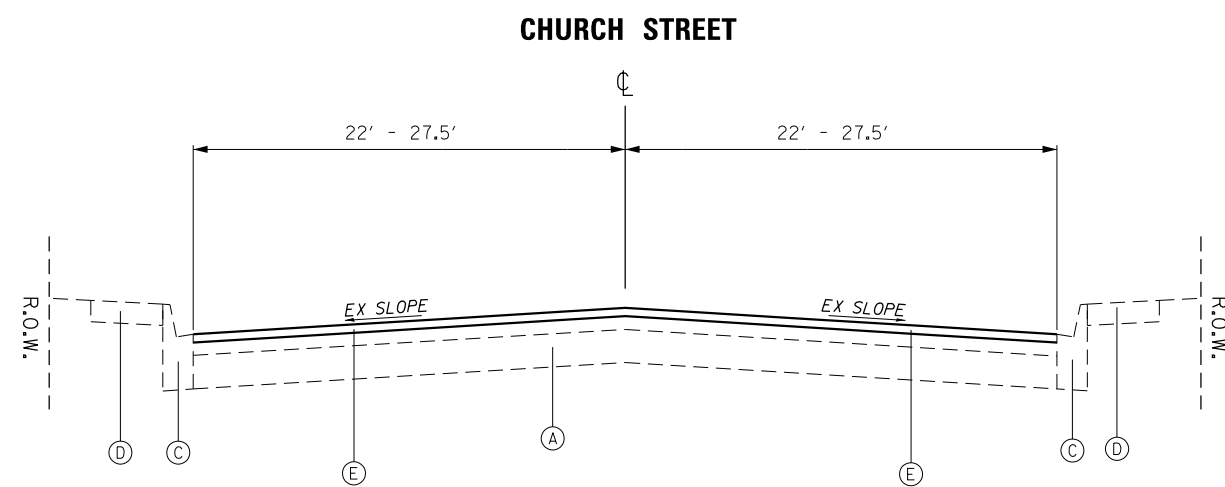




EXISTING TYPICAL SECTION  
STA 13+53 TO STA 150+37

LEGEND

- (A) CONCRETE PAVEMENT ±10"
- (B) HOT MIX ASPHALT SURFACE REMOVAL 1 1/2"
- (C) COMBINATION CURB & GUTTER, TYPE B-6.24
- (D) CONCRETE SIDEWALK
- (E) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70", 1 1/2"



PROPOSED TYPICAL SECTION  
STA 13+53 TO STA 150+37

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
<b>PAVEMENT RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"	4% @ 70 Gyr.	QCP
<b>PATCHING</b>		
CLASS D PATCHING (HMA BINDER, IL-19.0 mm)	4% @ 70 Gyr.	QC/OA

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY ~~DISTRICT ONE~~ SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- NOTE 3: QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
- NOTE 4: THE CONTRACTOR SHALL MILL FIRST.
- NOTE 5: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA MILLED SURFACE.

MODEL: Default  
 FILE: h:\mhc\p\suplanroom.d\illinois.gov\PWIDOT\Documents\DOT\_Offices\Dir\etf\_1\Projects\141520\CADD\Drawings\141520-eh-ty-sec.dgn

USER NAME = hassann	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

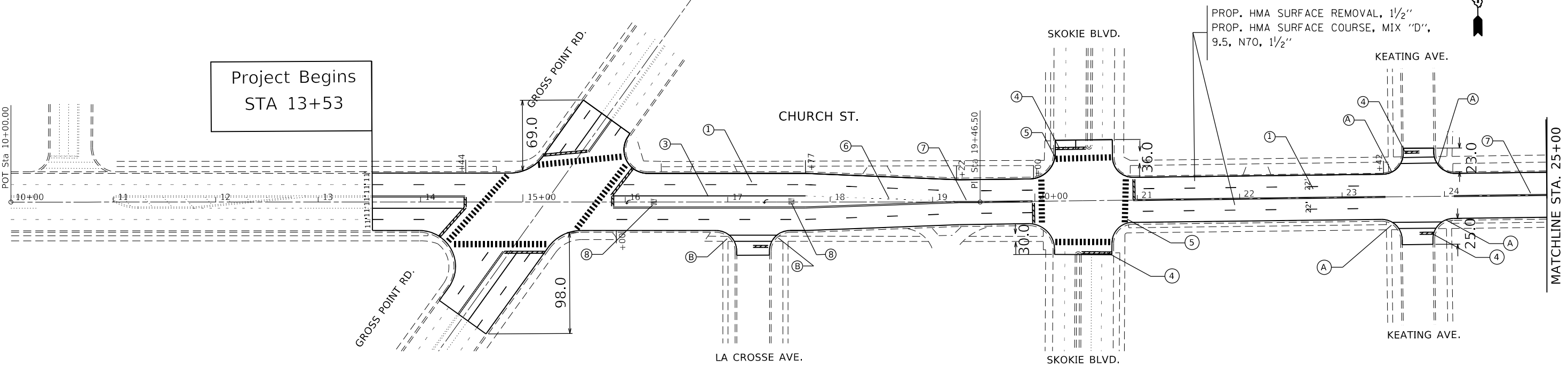
EXISTING AND PROPOSED TYPICAL SECTIONS  
CHURCH ST (GROSS POINT RD. TO DODGE AVE)

SCALE: SHEET OF SHEETS STA. TO STA.

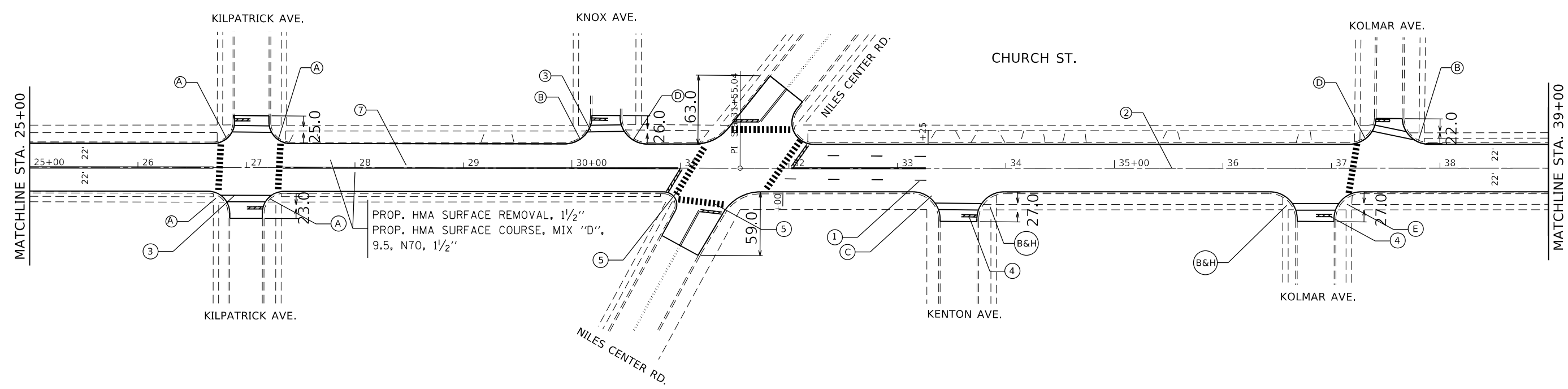
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&5W	Cook	36	6
CONTRACT NO. 62L04				
ILLINOIS FED. AID PROJECT				



Project Begins  
STA 13+53



- |  |   |  |   |
|--|---|--|---|
| ① PROP. THERMOPLASTIC PVMT MARKING 4",<br>10' DASH 30" SKIP, WHITE (TYP.)      | ⑤ PROP. THERMOPLASTIC PVMT MARKING LINE 12",<br>CROSSWALK 6' C-C 2', WHITE (TYP.) | Ⓐ PROPOSE ADA IMPROVEMENT<br>ADA DETAIL (PD-05)        | Ⓔ PROPOSE ADA IMPROVEMENT DETAIL<br>ADA DETAIL (PD-03)          |
| ② PROP. THERMOPLASTIC PVMT MARKING 4",<br>10' DASH 30" SKIP, YELLOW (TYP.)     | ⑥ PROP. THERMOPLASTIC PVMT MARKING 6",<br>2' DASH 6' SKIP, WHITE (TYP.)           | Ⓑ PROPOSE ADA IMPROVEMENT DETAIL<br>ADA DETAIL (PD-04) | Ⓣ PROPOSE ADA IMPROVEMENT DETAIL<br>ADA DETAIL (PD-06)          |
| ③ PROP. THERMOPLASTIC PVMT MARKING 6",<br>TURN LANE OR CROSSWALK, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 4",<br>DOUBLE YELLOW @ 11' C-C (TYP.)          | Ⓒ PROPOSE ADA IMPROVEMENT DETAIL<br>ADA DETAIL (PD-06) | Ⓛ PROPOSE ADA IMPROVEMENT DETAIL<br>ADA DETAIL (PD-01)          |
| ④ PROP. THERMOPLASTIC PVMT MARKING LINE, 24"<br>STOPBAR, WHITE (TYP.)          | ⑧ PROP. THERMOPLASTIC PVMT, MARKING<br>LETTERS AND SYMBOLS, WHITE (TYP.)          | Ⓓ PROPOSE DETECTABLE WARNING                           | Ⓜ REMOVE RAMP CROSSING CHURCH ST.<br>PROP. TOPSOIL 4" & SODDING |



MODEL: Default  
FILE: h:\mhc\pav\pub\barroom.dwg  
PROJECT: 141520\CD\Drawings\DOT - Office\Drawings\141520\sh-cbar.dgn

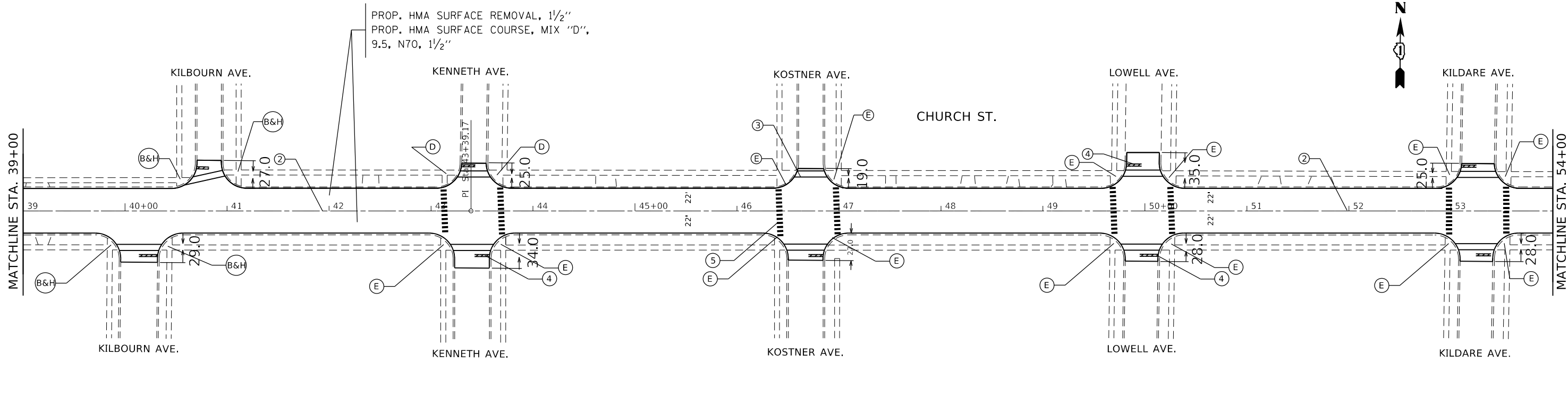
USER NAME = hassan	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/24/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

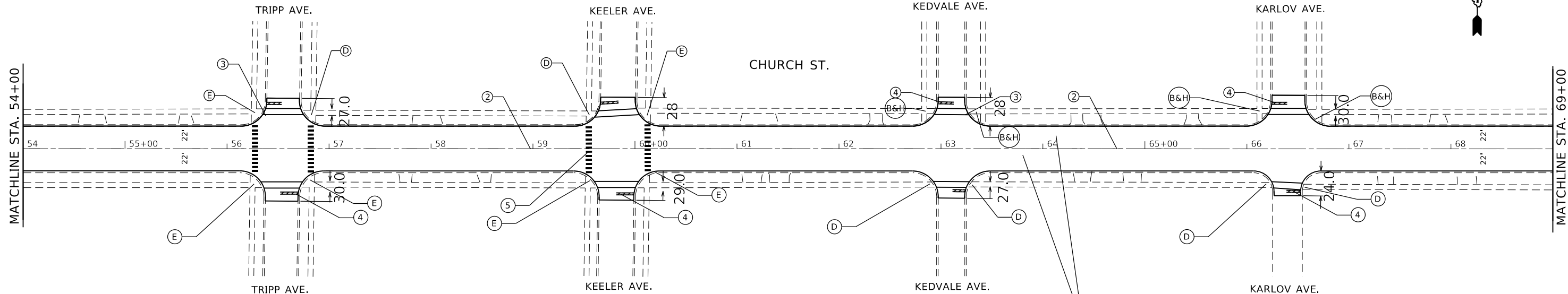
**ROADWAY AND PAVEMENT MARKING PLAN  
CHURCH ST (GROSS POINT RD. - DODGE AVE.)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5G5W	COOK	36	7
CONTRACT NO.			62L04	
ILLINOIS FED. AID PROJECT				



- |  |  |  |   |
|--|--|--|---|
| <ul style="list-style-type: none"> <li>① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)</li> <li>② PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)</li> <li>③ PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE OR CROSSWALK, WHITE (TYP.)</li> <li>④ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑤ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.)</li> <li>⑥ PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)</li> <li>⑦ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)</li> <li>⑧ PROP. THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>Ⓐ PROPOSE ADA IMPROVEMENT ADA DETAIL (PD-05)</li> <li>Ⓑ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-04)</li> <li>Ⓒ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-06)</li> <li>Ⓓ PROPOSE DETECTABLE WARNING</li> </ul> | <ul style="list-style-type: none"> <li>Ⓔ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-03)</li> <li>Ⓕ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-06)</li> <li>Ⓖ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-01)</li> <li>Ⓗ REMOVE RAMP CROSSING CHURCH ST. PROP. TOPSOIL 4" &amp; SODDING</li> </ul> |
|--|--|--|---|



MODEL: Default  
 FILE: h:\mhc\p\pub\barroom.dwg  
 PROJECT: 111520\CD\Drawings\DOT Office\Drawings\111520\CD\Drawings\Design\111520-sh-ct-bar.dgn

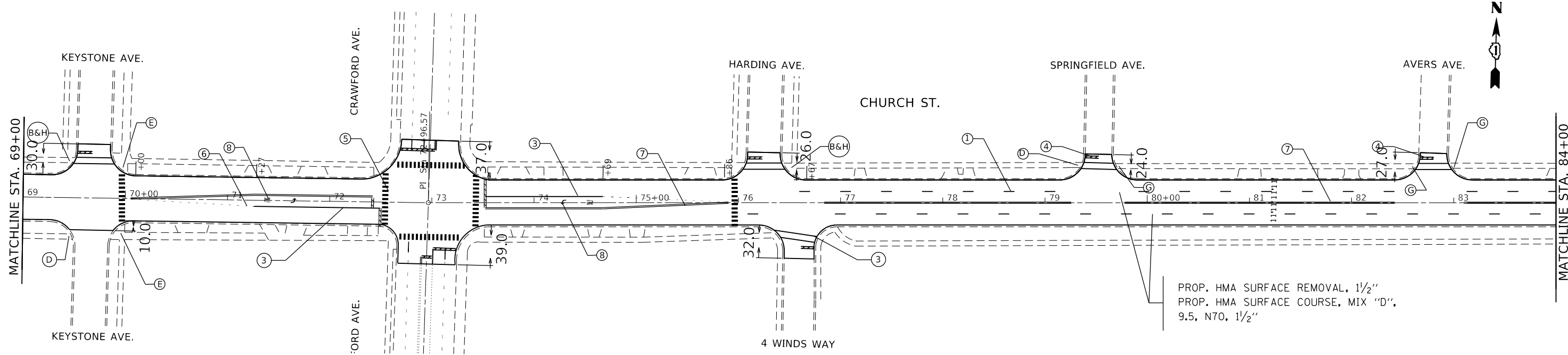
USER NAME = hassann	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/24/2020	CHECKED -	REVISED -
	DATE -	REVISED -

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

<b>ROADWAY AND PAVEMENT MARKING PLAN</b> <b>CHURCH ST (GROSS POINT RD. - DODGE AVE.)</b>	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

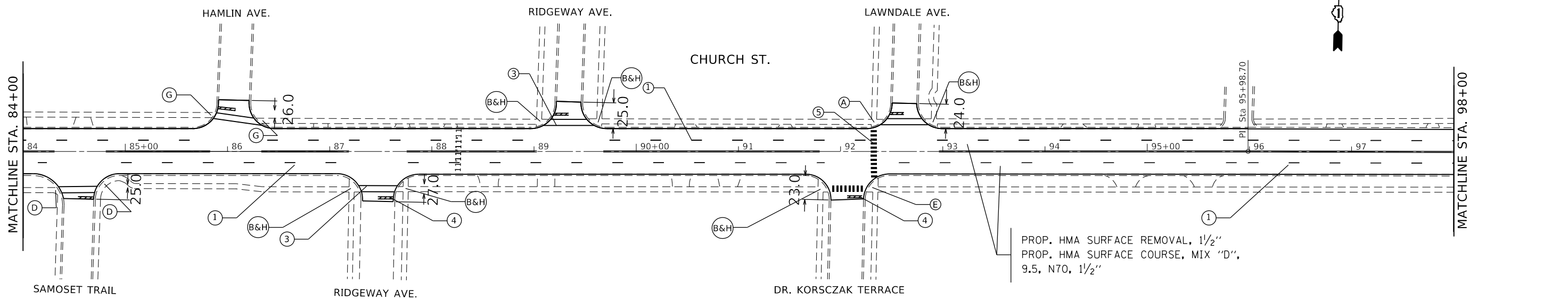
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-RS&SW	COOK	36	8
CONTRACT NO. 62L04			ILLINOIS FED. AID PROJECT	





PROP. HMA SURFACE REMOVAL, 1 1/2"  
 PROP. HMA SURFACE COURSE, MIX "D",  
 9.5, N70, 1 1/2"

① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)	⑤ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2", WHITE (TYP.)	Ⓐ PROPOSE ADA IMPROVEMENT ADA DETAIL (PD-05)	Ⓔ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-03)
② PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)	⑥ PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)	Ⓑ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-04)	Ⓕ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-06)
③ PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE OR CROSSWALK, WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)	Ⓒ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-06)	Ⓖ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-01)
④ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)	⑧ PROP. THERMOPLASTIC PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)	Ⓓ PROPOSE DETECTABLE WARNING	Ⓗ REMOVE RAMP CROSSING CHURCH ST. PROP. TOPSOIL 4" & SODDING



PROP. HMA SURFACE REMOVAL, 1 1/2"  
 PROP. HMA SURFACE COURSE, MIX "D",  
 9.5, N70, 1 1/2"

MODEL: Default  
 FILE: h:\m\c\_p\pub\barroom.dwg  
 PROJECT: 111520\CD\Drawings\DOT - Office\Drawings\111520\CD\Drawings\Design\111520-sh-01-bar.dwg

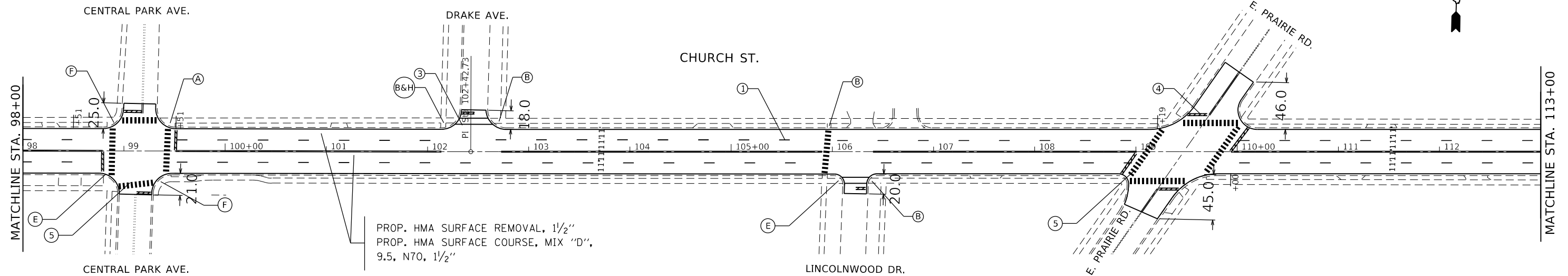
USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/24/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

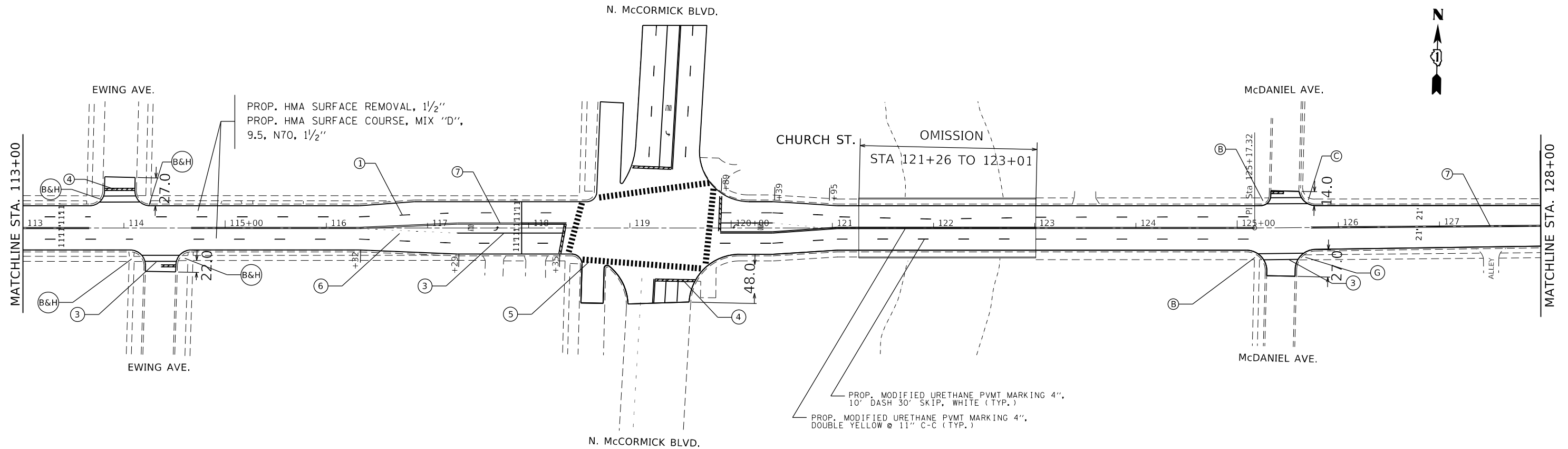
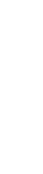
**ROADWAY AND PAVEMENT MARKING PLAN  
 CHURCH ST (GROSS POINT RD. - DODGE AVE.)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	9
CONTRACT NO.			62L04	
ILLINOIS FED. AID PROJECT				



<p>① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)</p> <p>② PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)</p> <p>③ PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE OR CROSSWALK, WHITE (TYP.)</p> <p>④ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)</p>	<p>⑤ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.)</p> <p>⑥ PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)</p> <p>⑦ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)</p> <p>⑧ PROP. THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)</p>	<p>Ⓐ PROPOSE ADA IMPROVEMENT ADA DETAIL (PD-05)</p> <p>Ⓑ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-04)</p> <p>Ⓒ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-06)</p> <p>Ⓓ PROPOSE DETECTABLE WARNING</p>	<p>Ⓔ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-03)</p> <p>Ⓕ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-06)</p> <p>Ⓖ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-01)</p> <p>Ⓗ REMOVE RAMP CROSSING CHURCH ST. PROP. TOPSOIL 4" &amp; SODDING</p>
---	---	---	--



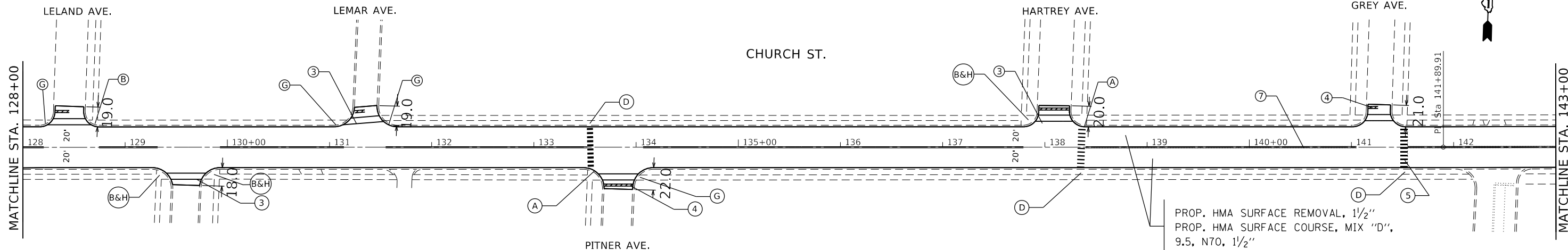
MODEL: Default  
 FILE: h:\mhc\p\pub\barroom.dwg  
 PROJECT: 141520\CD\Drawings\DOT - Offices\Drawings\141520-sh-eb-ar.dwg

USER NAME = hassann	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/24/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

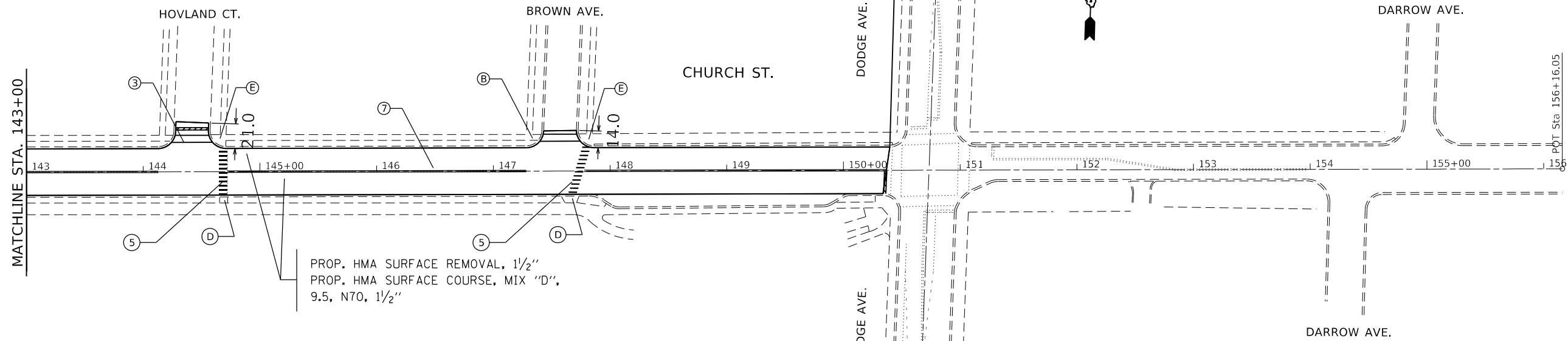
<b>ROADWAY AND PAVEMENT MARKING PLAN</b>	
<b>CHURCH ST (GROSS POINT RD. - DODGE AVE.)</b>	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	10
CONTRACT NO.			62L04	
ILLINOIS FED. AID PROJECT				



FOWLER AVE.

- |   |  |   |  |
|---|--|---|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30" SKIP, WHITE (TYP.)      | ⑤ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6" C-C 2", WHITE (TYP.) | Ⓐ PROPOSE ADA IMPROVEMENT ADA DETAIL (PD-05)        | Ⓔ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-03)          |
| ② PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30" SKIP, YELLOW (TYP.)     | ⑥ PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6" SKIP, WHITE (TYP.)           | Ⓑ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-04) | Ⓕ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-06)          |
| ③ PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE OR CROSSWALK, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)          | Ⓒ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-06) | Ⓖ PROPOSE ADA IMPROVEMENT DETAIL ADA DETAIL (PD-01)          |
| ④ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)          | ⑧ PROP. THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)          | Ⓓ PROPOSE DETECTABLE WARNING                        | Ⓗ REMOVE RAMP CROSSING CHURCH ST. PROP. TOPSOIL 4" & SODDING |



Project Ends  
STA 150+37

MODEL: Default  
 FILE: h:\mhc\p\pub\barroom.dwg  
 PROJECT: 11520\RoadData\Design\11520-sh-c-lan.dwg  
 PLOT DATE = 11/24/2020

USER NAME = hassan	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/24/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
CHURCH ST (GROSS POINT RD. - DODGE AVE.)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R56&SW	COOK	36	11
CONTRACT NO. 62L04			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	330	FOOT

MODEL: D:\data\... FILE: NAME: S:\WP\plan\62L04\1S 14800 - Church St. @ Central Park Ave.dgn

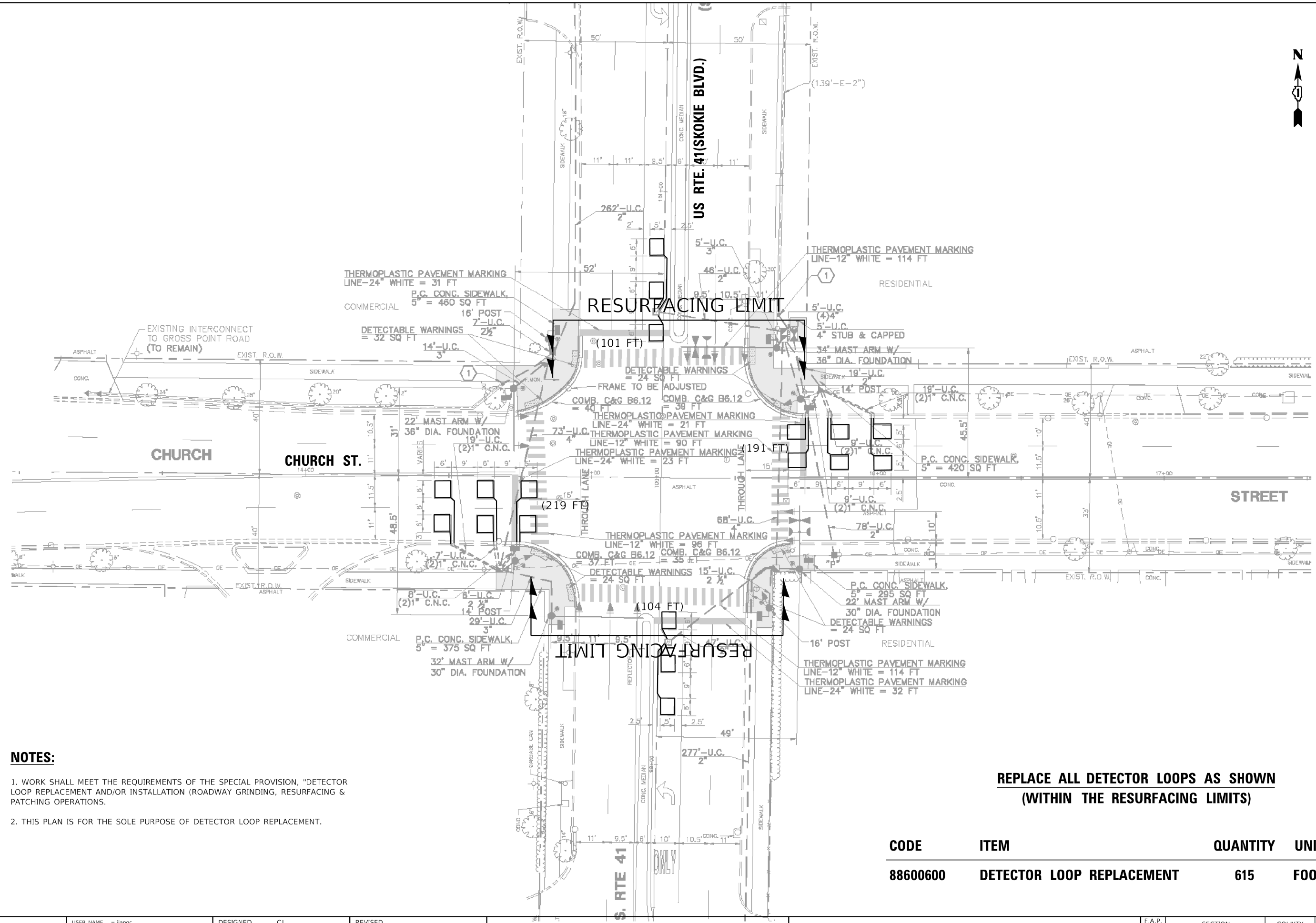
USER NAME = jiangc	DESIGNED - CJ	REVISED -
	DRAWN - CJ	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/3/2020	DATE - 09/1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
CHURCH ST. AT CENTRAL PARK AVE.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	12
CONTRACT NO. 62L04			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	615	FOOT

MODEL: Default  
FILE NAME: S:\P\plan\62L04\US 41 Skokie @ Church St.dgn

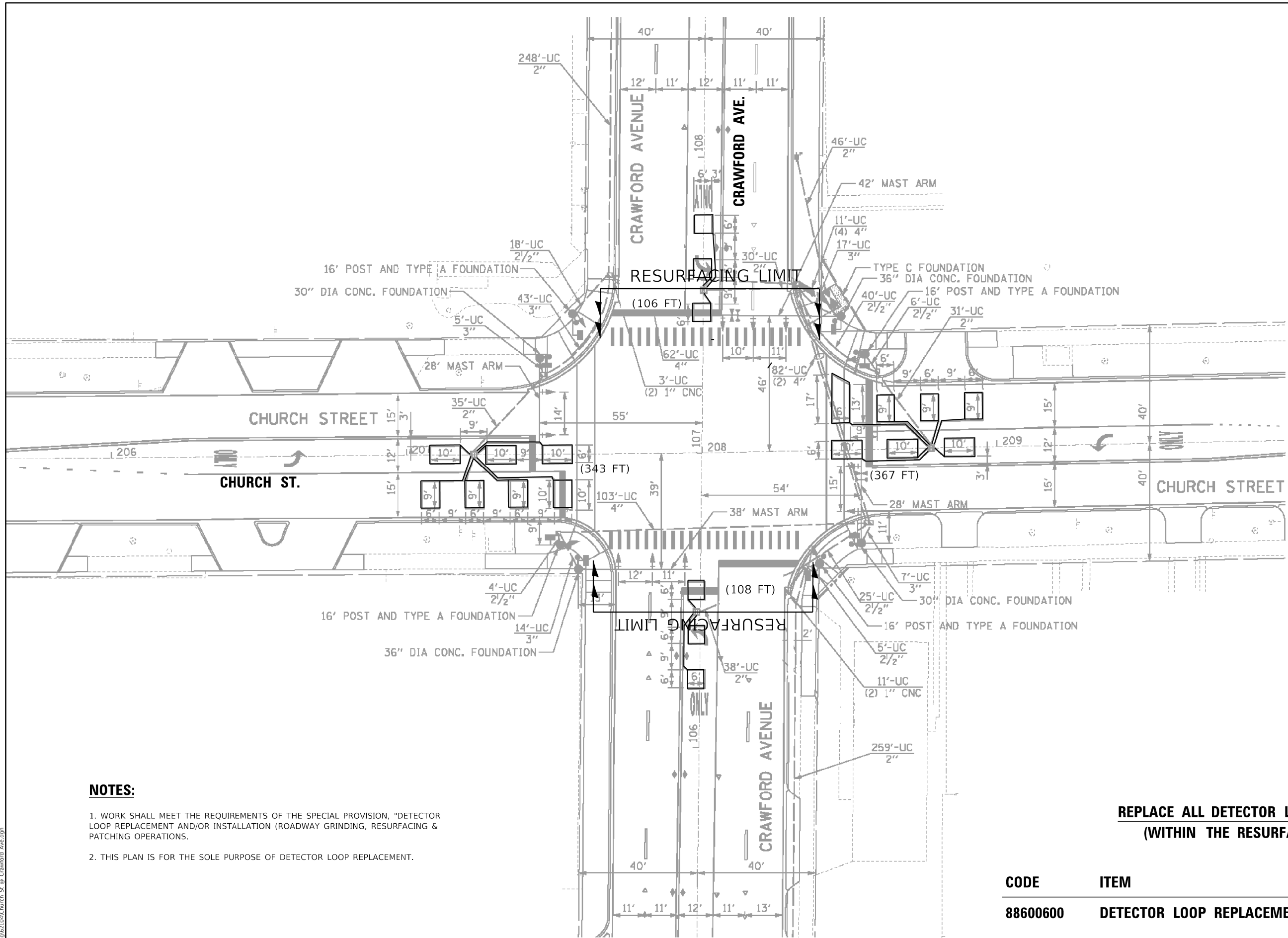
USER NAME = jiangc	DESIGNED - CJ	REVISED -
PLOT SCALE = 40.0000' / 1"	DRAWN - CJ	REVISED -
PLOT DATE = 9/1/2020	CHECKED - LP	REVISED -
	DATE - 09/1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
CHURCH ST. AT US RTE. 41 (SKOKIE BLVD.)**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L04	



**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	924	FOOT

MODEL: Default; FILE NAME: S:\P\Jiang\62L04\Church St. @ Crawford Avenue.dgn

USER NAME = jiangc	DESIGNED - CJ	REVISED -
PLOT SCALE = 40.0000' / 1"	DRAWN - CJ	REVISED -
PLOT DATE = 9/1/2020	CHECKED - LP	REVISED -
	DATE - 09/1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
CHURCH ST. AT CRAWFORD AVE.**

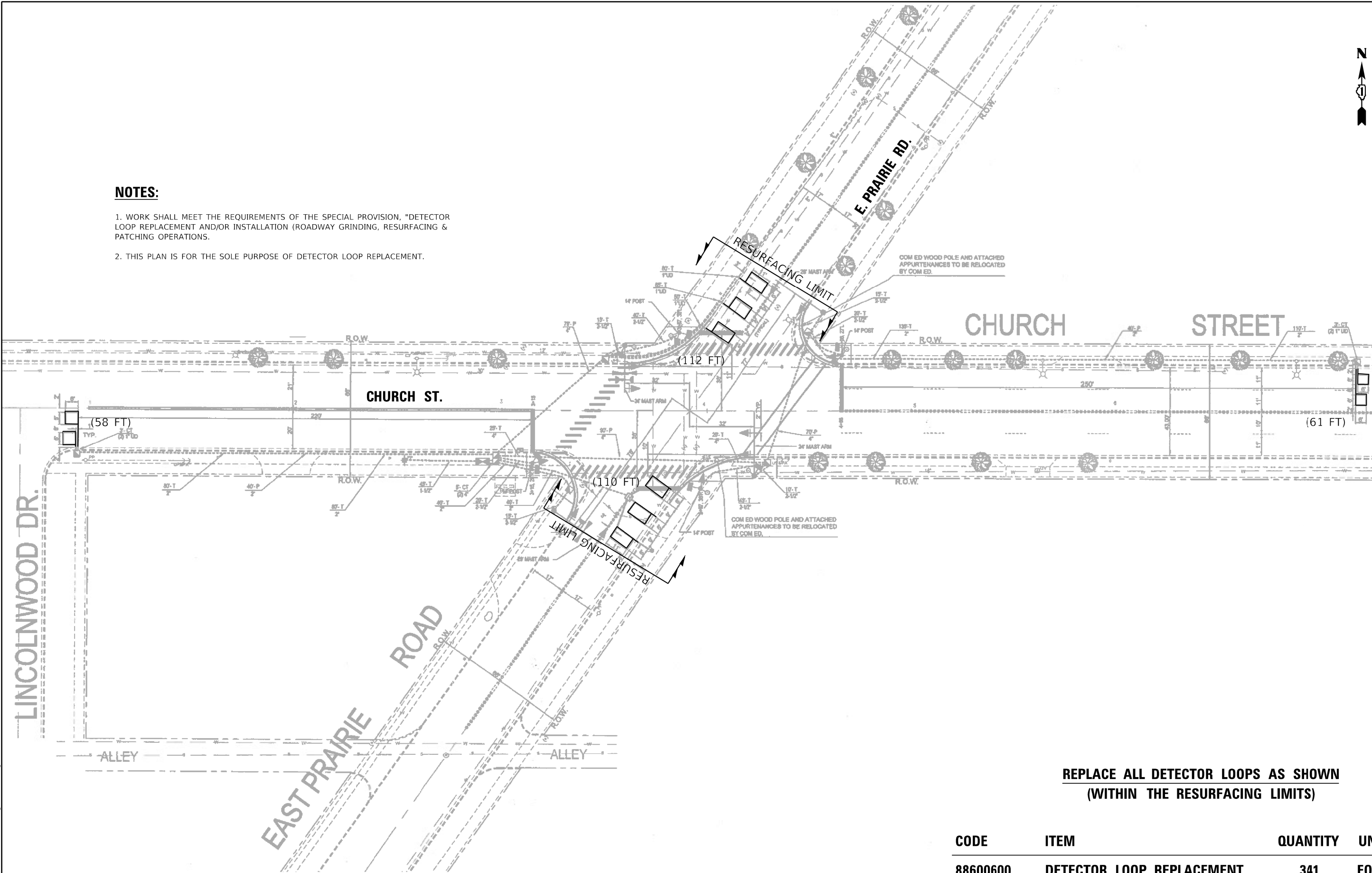
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	14
CONTRACT NO. 62L04				
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	341	FOOT

MODEL: Default  
FILE NAME: S:\WP\Jiang\621\0415\_14805 - Church St. @ E Prairie Rd.dgn

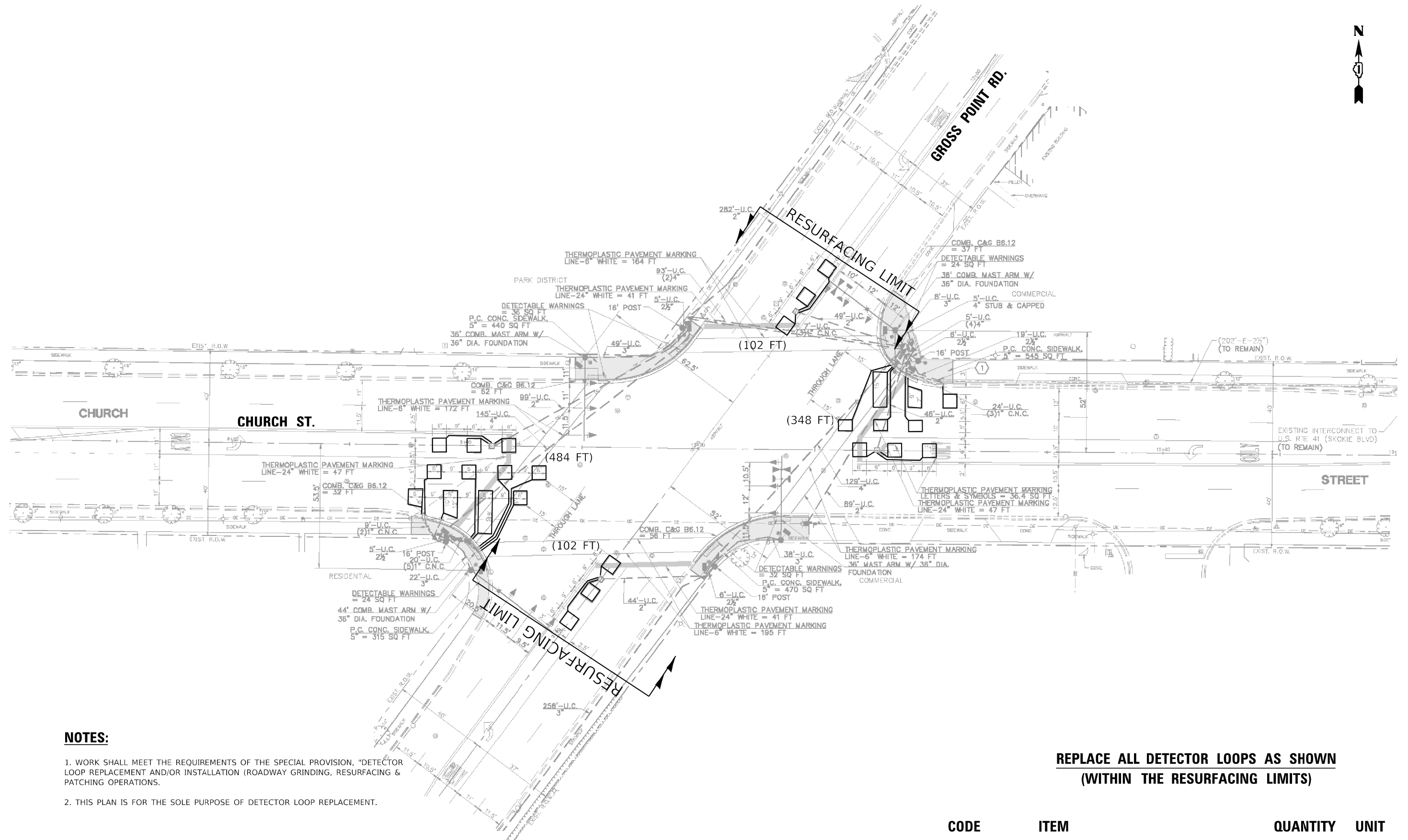
USER NAME = jiang	DESIGNED - CJ	REVISED -
DRAWN - CJ	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/3/2020	DATE - 09/1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
CHURCH ST. AT E. PRAIRIE RD.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&S	COOK	36	15
CONTRACT NO. 62L04				
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	1036	FOOT

MODEL: Default  
FILE NAME: S:\P\plan\62104\Gross Point Rd @ Church St.dwg

USER NAME = jiangc	DESIGNED - CJ	REVISED -
PLOT SCALE = 40.0000' / 1"	DRAWN - CJ	REVISED -
PLOT DATE = 9/2/2020	CHECKED - LP	REVISED -
	DATE - 09/1/2020	REVISED -

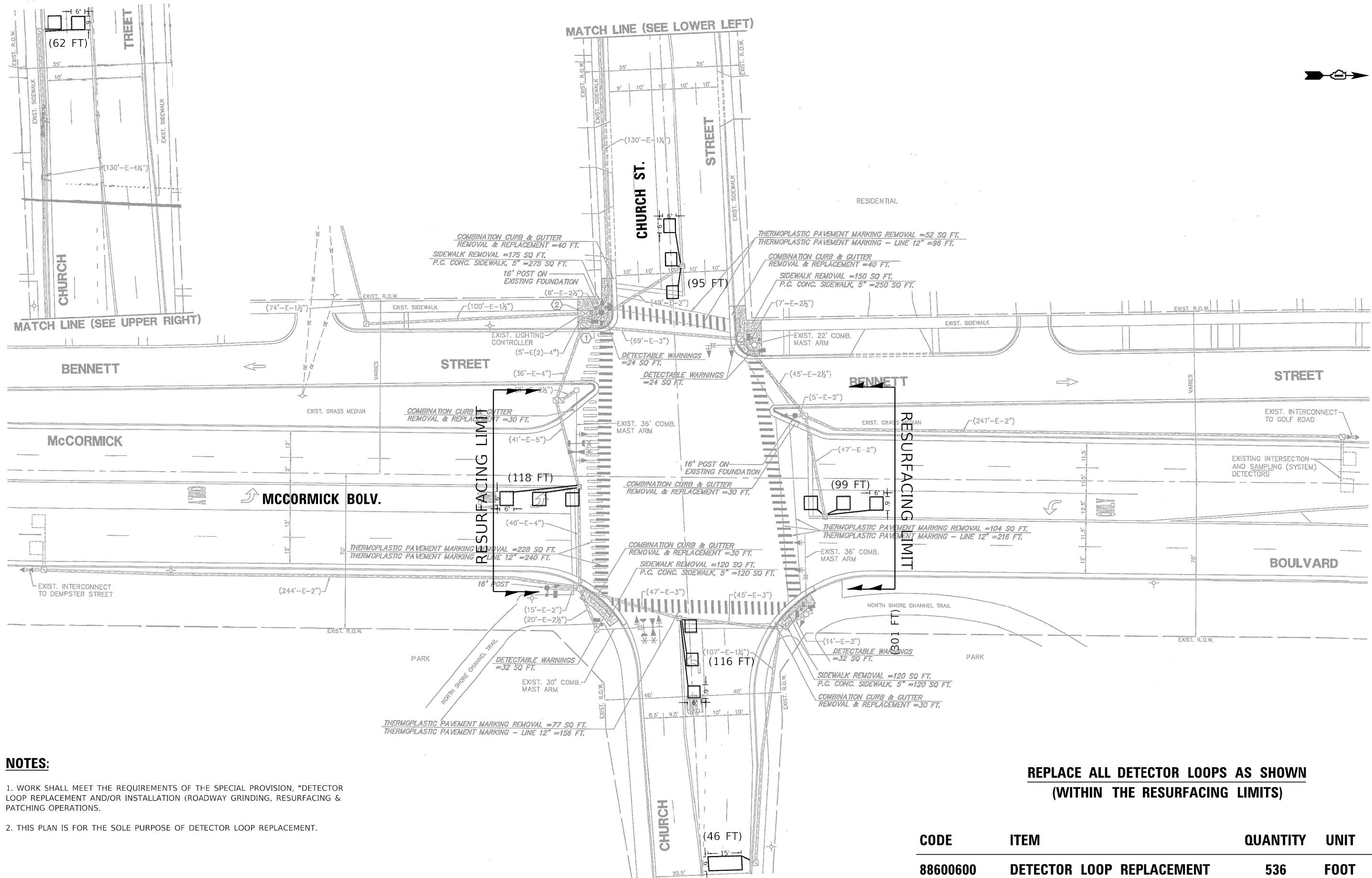
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
CHURCH ST. AT GROSS POINT RD.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L04	





**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	536	FOOT

MODEL: Default  
FILE NAME: S:\WP\Jiang\62104\Church St. @ McCormick Blvd.dgn

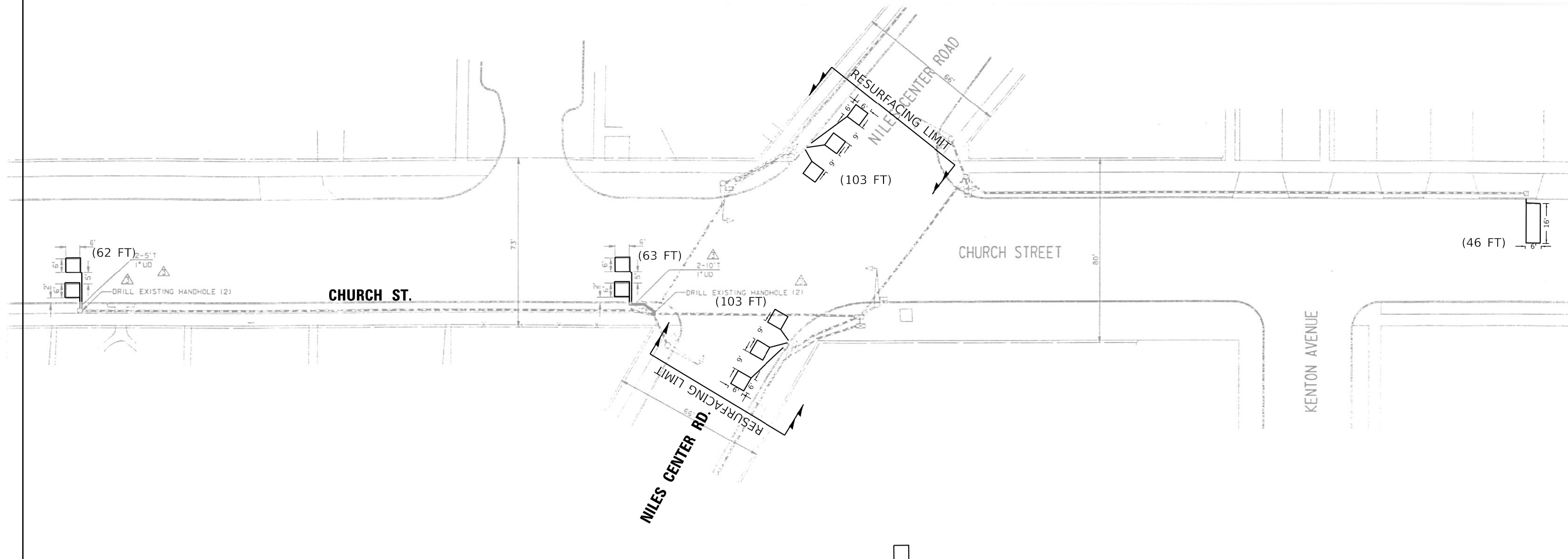
USER NAME = jiangc	DESIGNED - CJ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - CJ	REVISED -
PLOT DATE = 9/2/2020	CHECKED - LP	REVISED -
	DATE - 09/1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
CHURCH ST. AT MCCORMICK BOLV.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 1313	SECTION 2020-032-R5&SW	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 17
CONTRACT NO. 62L04				
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	314	FOOT

MODEL: Default  
FILE NAME: S:\P\Jiang\62L04\15 - Church St @ Niles Center Rd.dgn

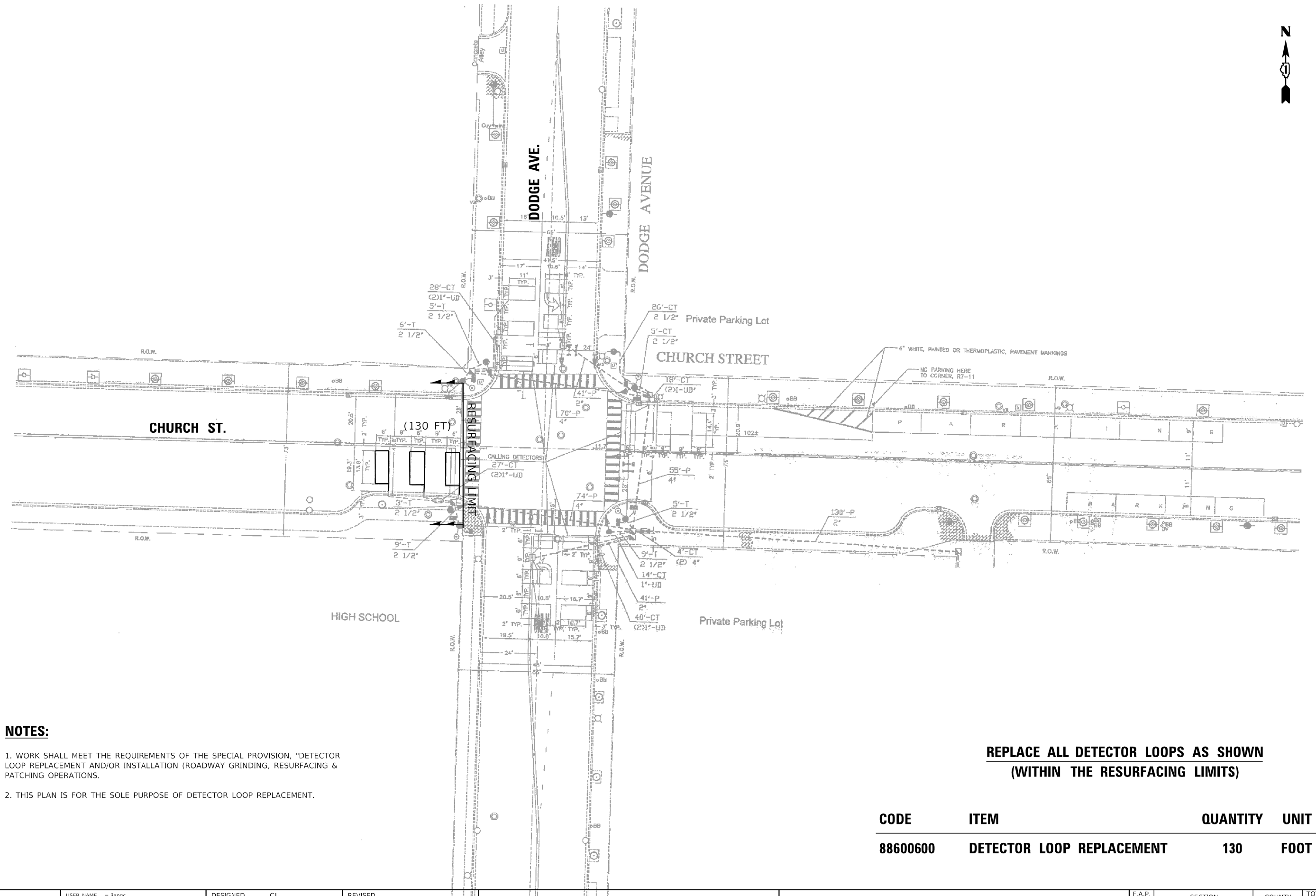
USER NAME = jiangc	DESIGNED - CJ	REVISED -
	DRAWN - CJ	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 9/3/2020	DATE - 09/1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
CHURCH ST AT NILES CENTER RD.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	18
CONTRACT NO. 62L04				
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	130	FOOT

MODEL: Default  
FILE NAME: S:\P\Jiang\62L04\Church St. at Dodge Ave.dgn

USER NAME = jiangc	DESIGNED - CJ	REVISED -
	DRAWN - CJ	REVISED -
PLOT SCALE = 40,0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 9/2/2020	DATE - 09/1/2020	REVISED -

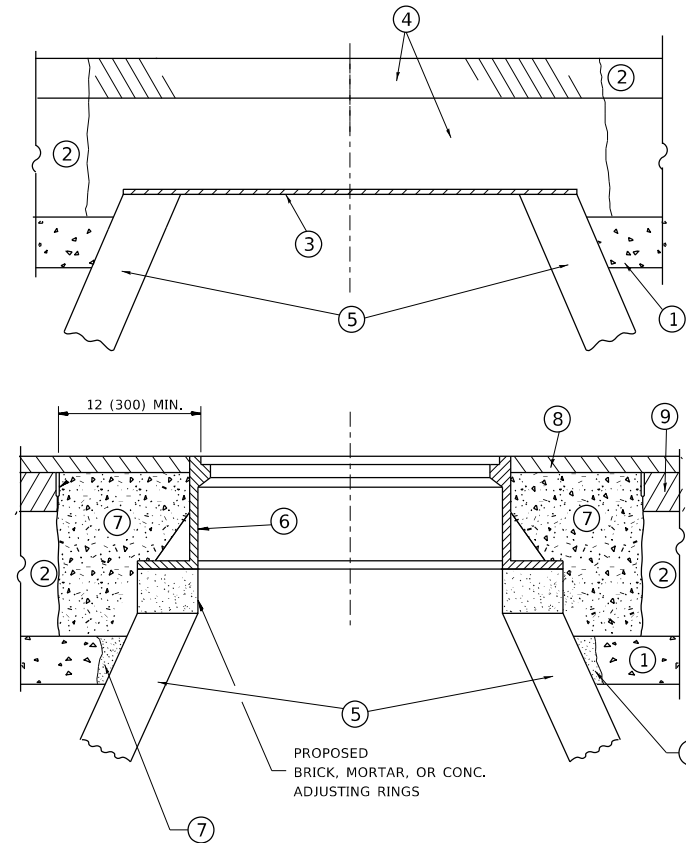
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
CHURCH ST. AT DODGE AVE.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L04	





**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
- 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.

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

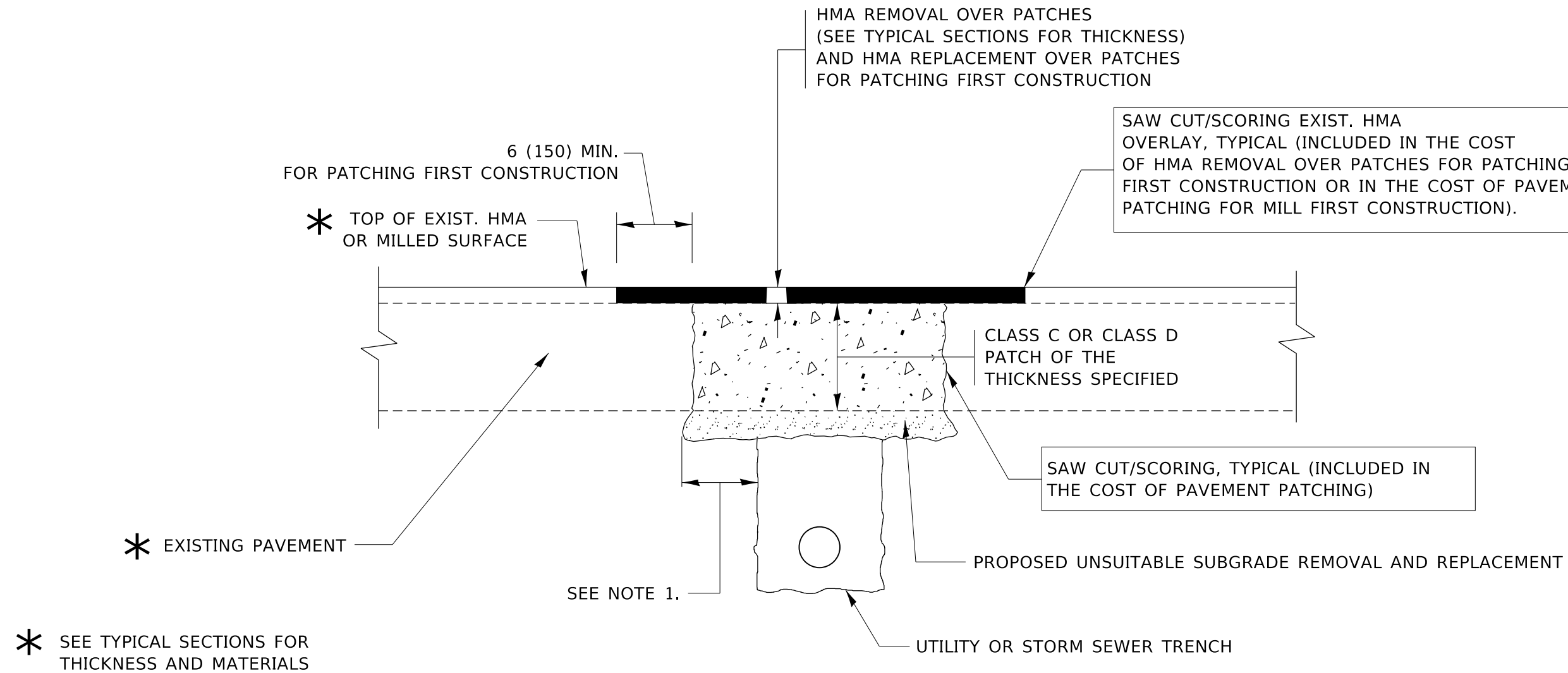
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	21
BD600-03 (BD-8)		CONTRACT NO. 62L04		
ILLINOIS		FED. AID PROJECT		

USER NAME = hassann	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 10/16/2020	DATE - 10-25-94	REVISED - R. BORO 12-06-11



\* 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 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.

MODEL: Default  
FILE: hmasp\_pav\_patchroom.dwg  
I:\Projects\141520\CADD\Design\Design\DESIGN.dwg

USER NAME = hassan	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 10/16/2020	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

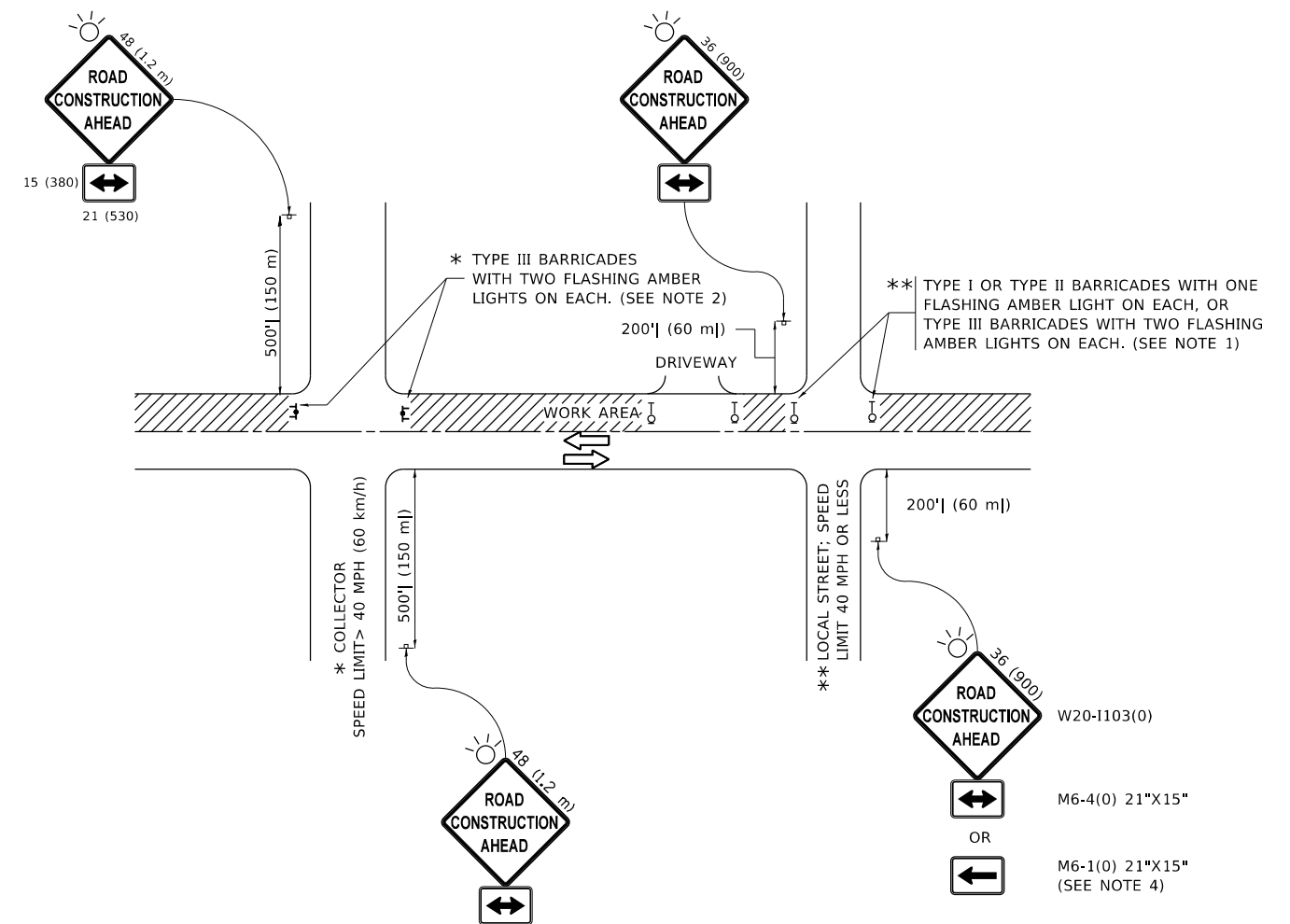
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-RS&SW	COOK	36	22
BD400-04 (BD-22)		CONTRACT NO. 62L04		
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.

MODEL: Default  
FILE: h:\m\c\_p\pub\planroom.d\at\illinois.gov\PWIDOT\Documents\DOT\_Offices\Director\_1\Projects\141520\CADD\Drawings\Design\DESIGN.dgn

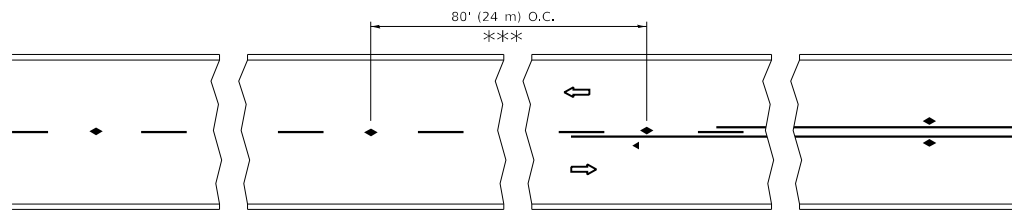
USER NAME = hassann	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 10/16/2020	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

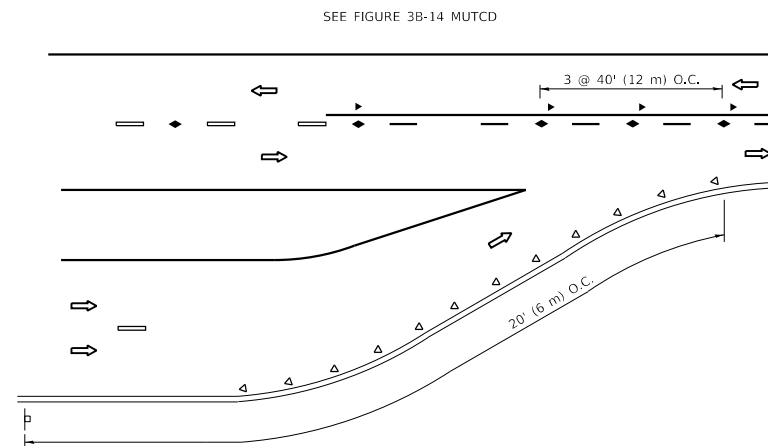
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	25
TC-10		CONTRACT NO. 62L04		
ILLINOIS FED. AID PROJECT				

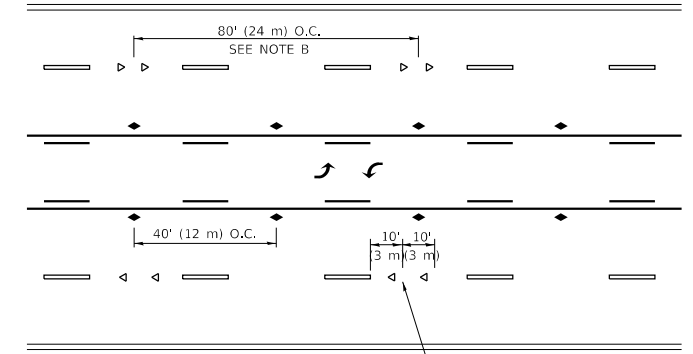


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

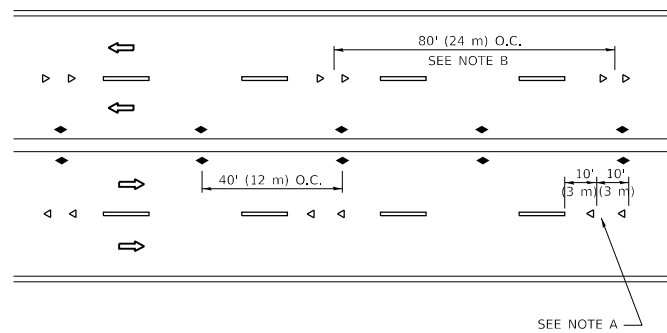
**TWO-LANE/TWO-WAY**



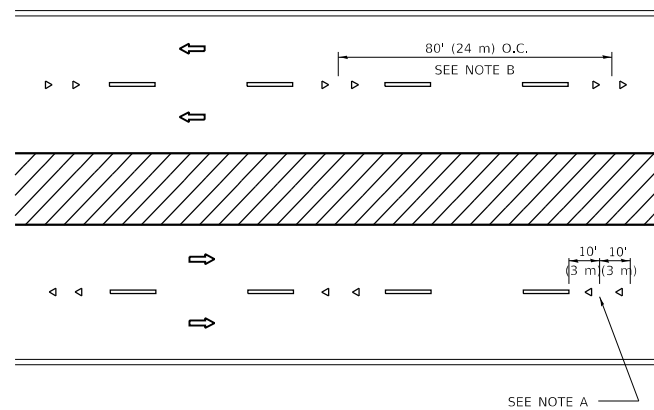
**LANE REDUCTION TRANSITION**



**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.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

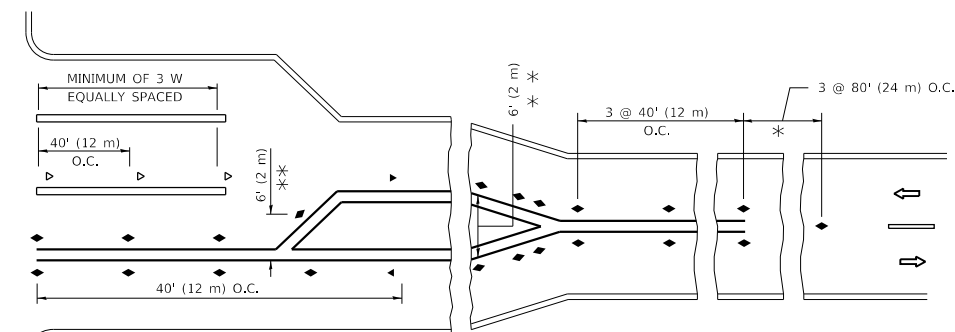
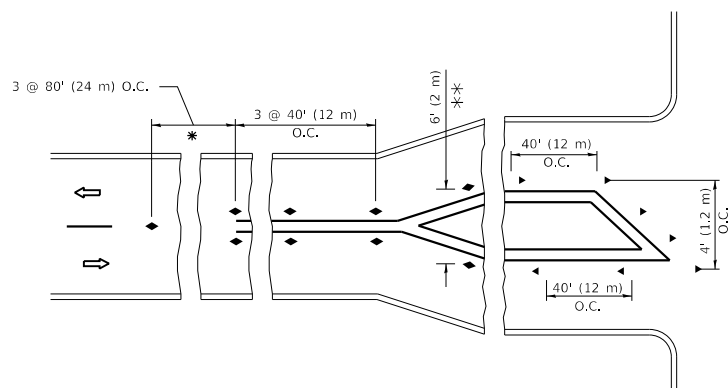
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

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



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

**TURN LANES**

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

MODEL: Default  
 FILE: \\bls01\pub\blsroom\dat\illinois.gov\PROJECTS\DOT\Office\bls\11570\CADD\Design\Design\DESIGN.dgn

USER NAME = hassan	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 10/16/2020	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

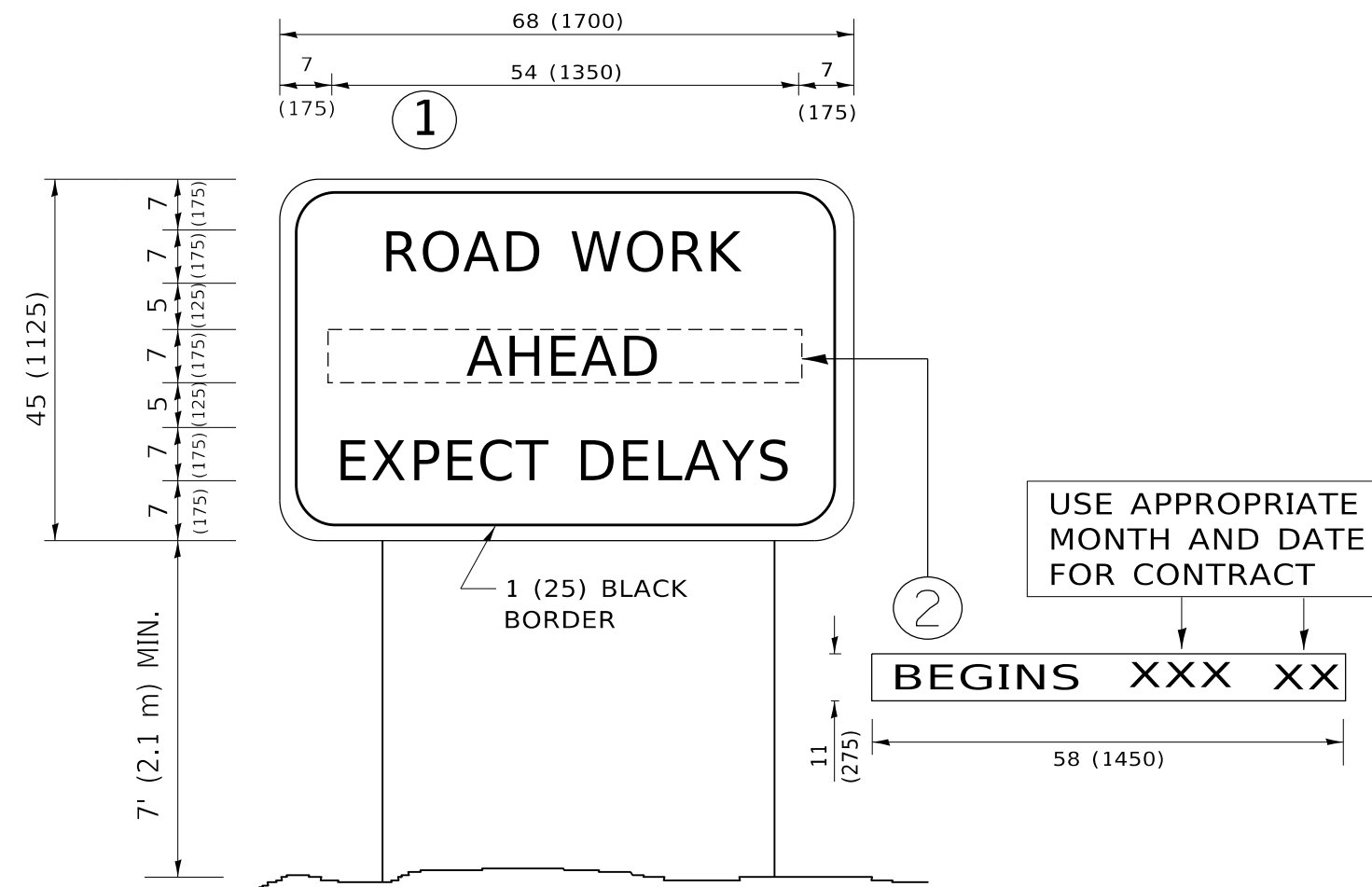
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-RS&SW	COOK	36	26
TC-11		CONTRACT NO. 62L04		
ILLINOIS FED. AID PROJECT				









**NOTES:**

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

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

MODEL: Default  
 FILE: h:\m\c\p\pub\h\m\room\dat\illinois.gov\PWIDOT\Documents\DOT\_Offices\Dir\dtc\_1\Project\141520\CADD\Data\Design\DES.dgn

USER NAME = hassann	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 10/16/2020	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

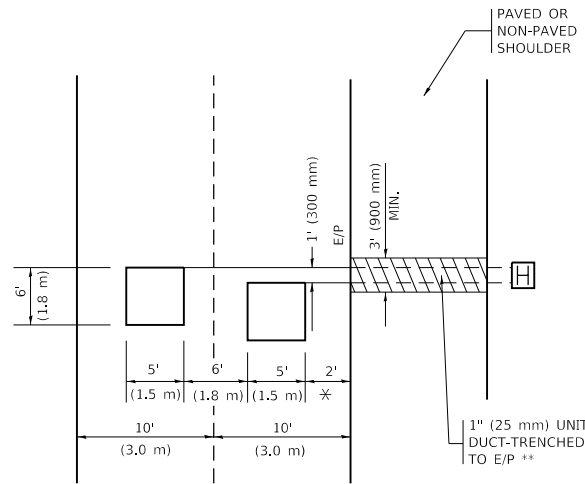
**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-R5&SW	COOK	36	30
<b>TC-22</b>			CONTRACT NO. <b>62L04</b>	
ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

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

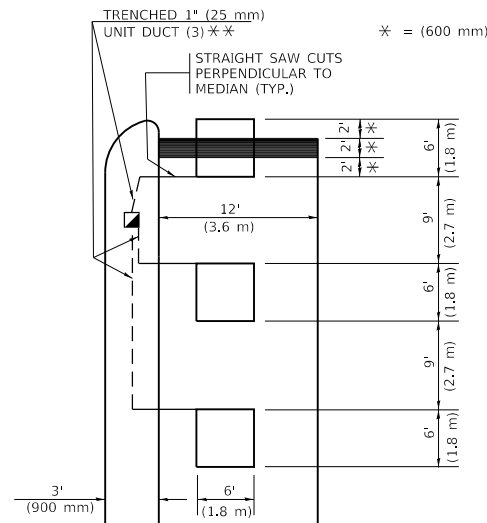


\* = (600 mm)

\*\* 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.

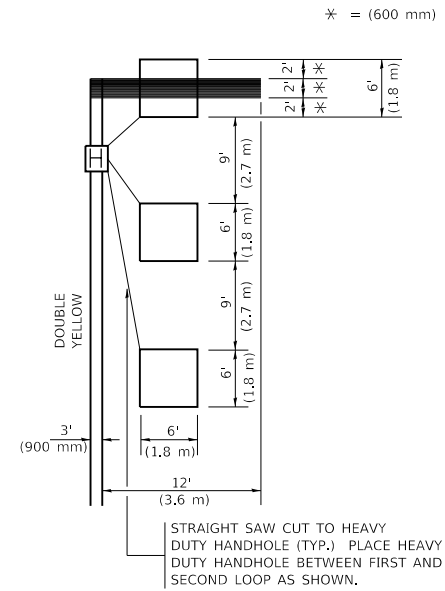


\* = (600 mm)

\*\* 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 SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

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

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

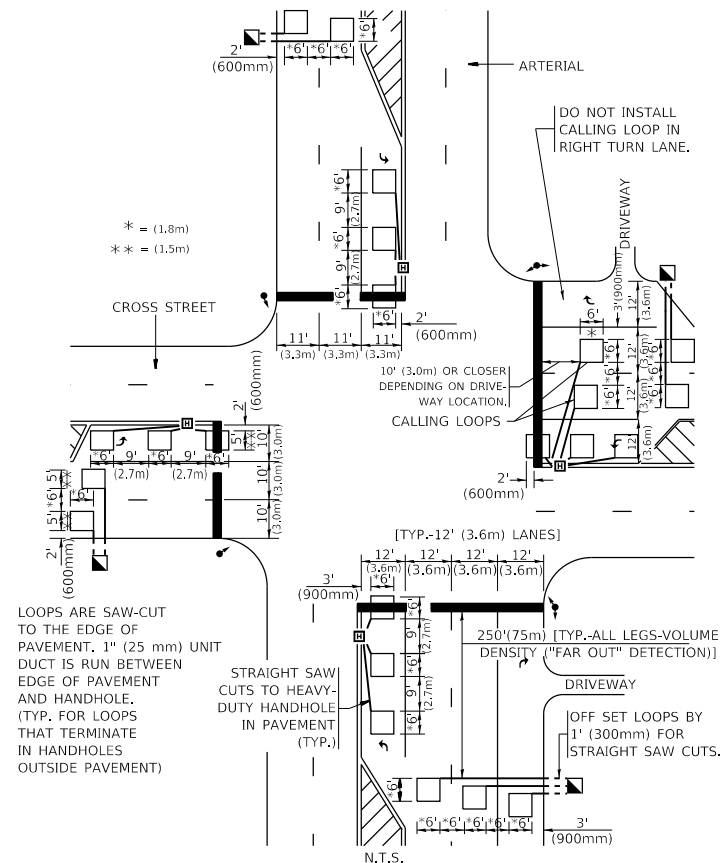
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

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

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

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



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

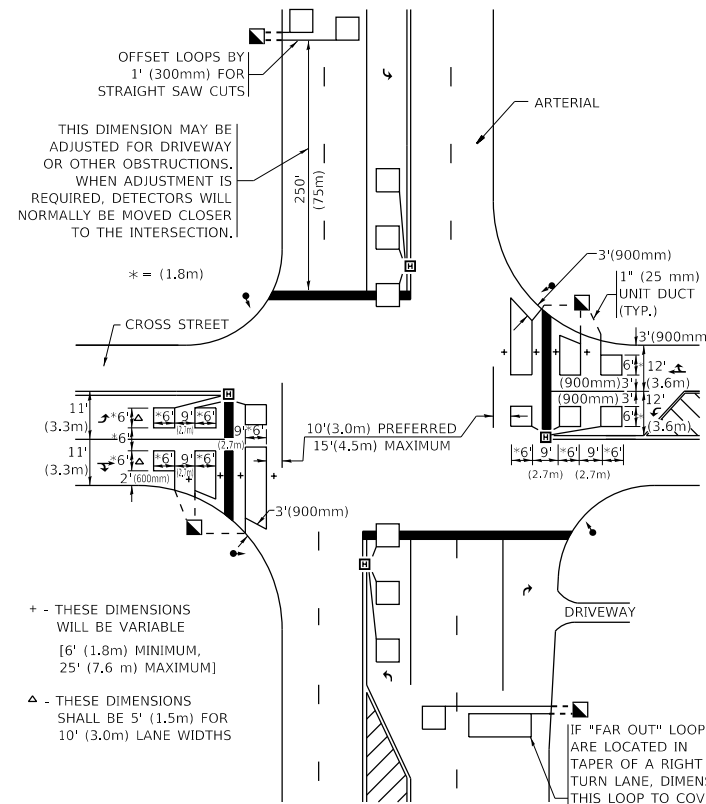
LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

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

[TYP.-12' (3.6m) LANES]  
250' (75m) [TYP.-ALL LEGS-VOLUME DENSITY ("FAR OUT" DETECTION)]  
DRIVEWAY  
OFF SET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS.

**DETAIL 1**  
N.T.S.

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



OFFSET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS  
THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

\* = (1.8m)

+ - 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.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION  
DETAILS FOR ROADWAY RESURFACING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-RS&SW	COOK	36	31
TS-07		CONTRACT NO. 62L04		

ILLINOIS FED. AID PROJECT





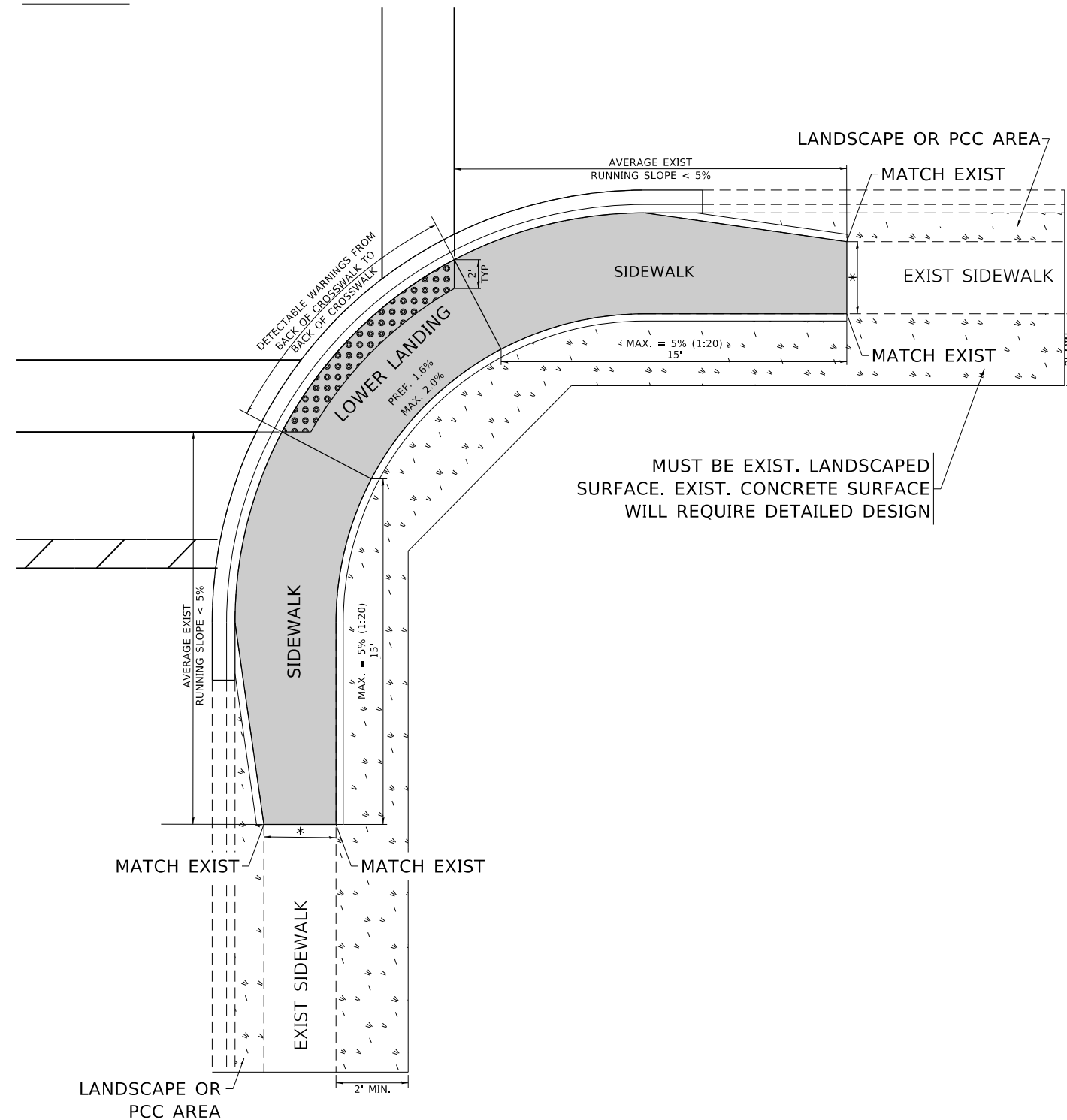




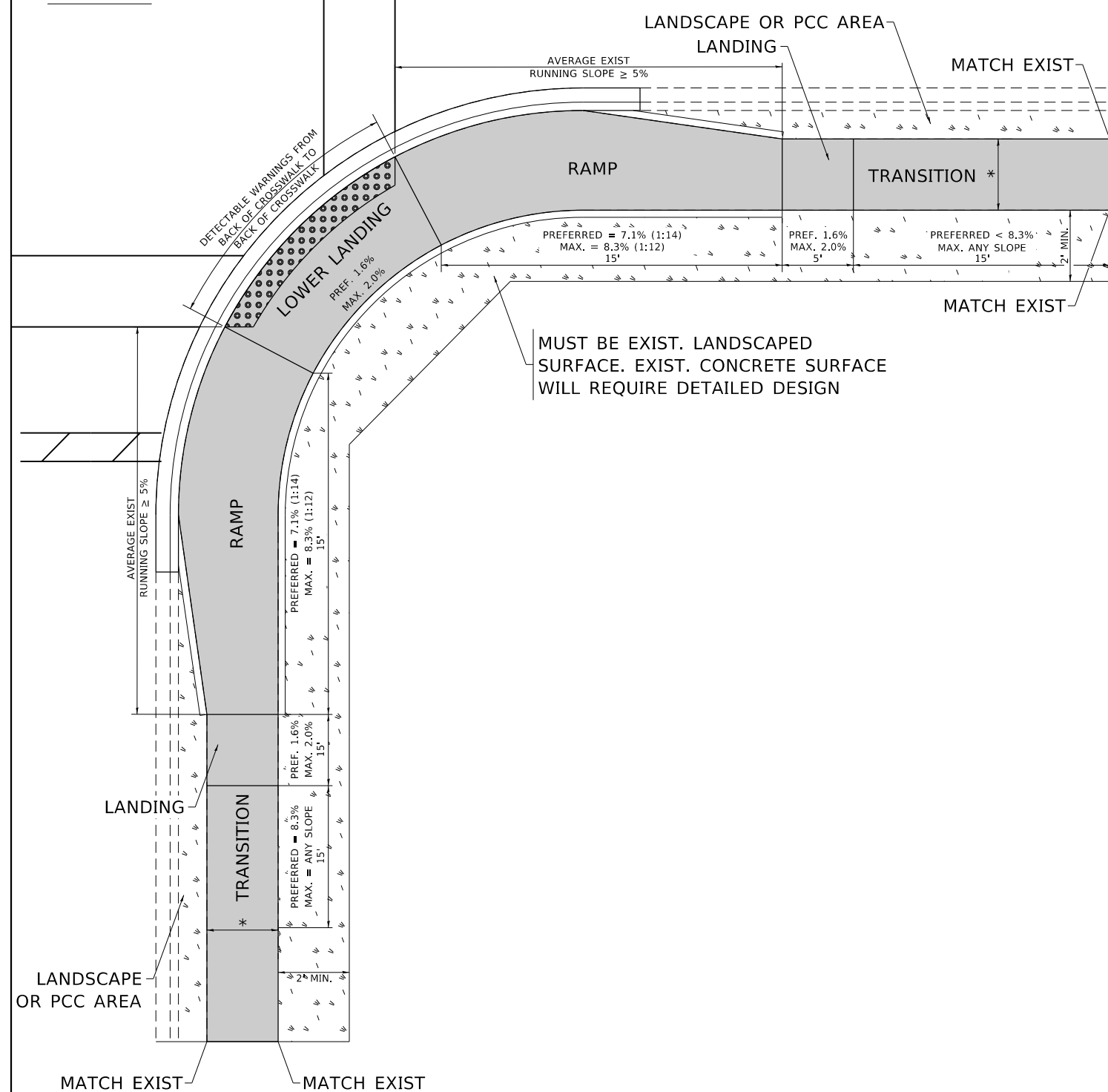


# ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

**PD-06A**



**PD-06B**



**LEGEND**

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

**CONSTRUCTION NOTES:**

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

MODEL: Default  
FILE: h:\mhc\_p\pub\harcam\dat\illinois.gov\PI\DOT\Documents\DOT\_Offices\Illinet\1\Projects\141520\CADD\ata\Design\DES.dgn

USER NAME = hassann	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2020	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR PARALLEL CURB RAMPS  
(PD-06)**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	2020-032-RS&SW	COOK	36	36
PD-06		CONTRACT NO. 62L04		
ILLINOIS		FED. AID PROJECT		