

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-RS	COOK	46	1
ILLINOIS			CONTRACT NO. 62J04	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGE OF SCHAUMBURG

PROPOSED
HIGHWAY PLANS

F.A.P. ROUTE 559: IL 58
BASSWOOD ST TO I-290/IL 53
SECTION: 2019-026-RS
PROJECT: NHPP-Z3ZJ(255)
SMART OVERLAY AND PEDESTRIAN RAMPS
COOK COUNTY

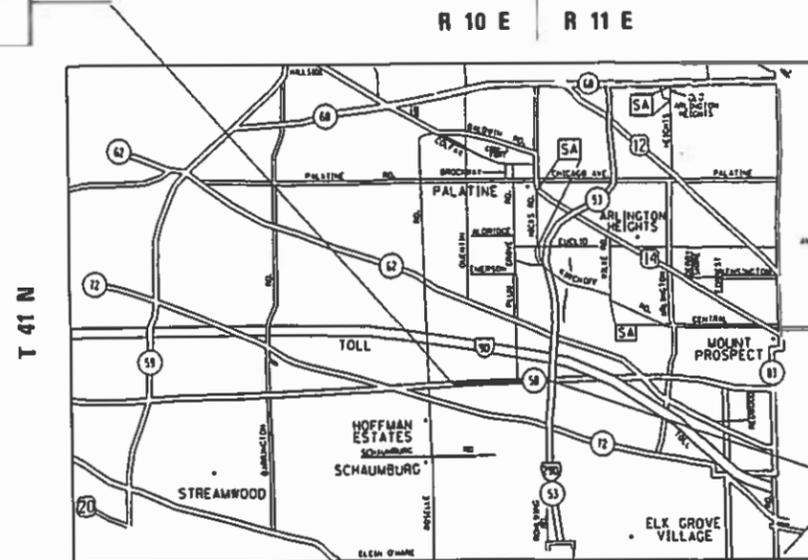
C-91-351-19

TRAFFIC DATA:

2017 ADT = 32000
SPEED LIMIT = 40 MPH



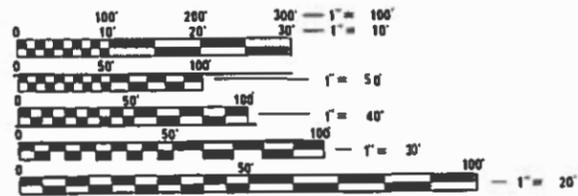
PROJECT ENDS
STA 1+29



PROJECT BEGINS
STA 102+42

SCHAUMBURG TOWNSHIP | ELK GROVE TOWNSHIP

GROSS LENGTH = 10113 FT. = 1.92 MILE
NET LENGTH = 10113 FT. = 1.92 MILE



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

CONTRACT NO. 62J04

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 24 2019
Anthony J. Quigley REGIONAL ENGINEER
Aug 16 2019
EA, ETK
ENGINEER OF DESIGN AND ENVIRONMENT
Aug 16 2019
Paul C. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-04	FRAMES AND LIDS TYPE 1
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-RD OPERATIONS, 2L,2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 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
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
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
814001-03	HANDHOLES

GENERAL NOTES (CONTINUED.)

- FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT DON.CHIARUGI@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED IN THE PLANS)] WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 AND CUAN AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF SCHAUMBURG.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

FILE NAME =	USER NAME = alawnehab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND INDEX SHEET IL. RTE. 58 (GOLF RD.) (BASSWOOD ST. TO I-290 /L.53)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		CONTRACT NO. 62J04							
PLOT DATE = 6/28/2019					SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE				
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	13	13				
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	13	13				
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	13	13				
20200100	EARTH EXCAVATION	CU YD	44	44				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1020	1020				
25200110	SODDING, SALT TOLERANT	SO YD	1020	1020				
25200200	SUPPLEMENTAL WATERING	UNIT	9	9				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	48525	48525				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	162	162				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	704	704				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	484	484				
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TON	10568	10568				
42001300	PROTECTIVE COAT	SO YD	2860	2860				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4332	4332				
42400800	DETECTABLE WARNINGS	SO FT	560	560				
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	107833	107833				
44000600	SIDEWALK REMOVAL	SO FT	4422	4422				
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SO YD	2880	2880				
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SO YD	118	118				
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	1856	1856				
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	256	256				
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	307	307				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	9	9				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	8	8				
60262700	INLETS TO BE RECONSTRUCTED	EACH	7	7				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	107	107				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	13	13				

REV. - MS

* = SPECIALTY ITEMS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE				
60404950	FRAMES AND GRATES, TYPE 24	EACH	9	9				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3	3				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	32	32				
60618208	HOT-MIX ASPHALT MEDIAN	SO FT	5093	5093				
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	2675	2675				
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	766	766				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	44	44				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	10	10				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	99560	99560				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	33187	33187				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	2324	2324				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	28163	28163				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	12619	12619				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1031	1031				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	497	497				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1439	1439				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	24890	24890				

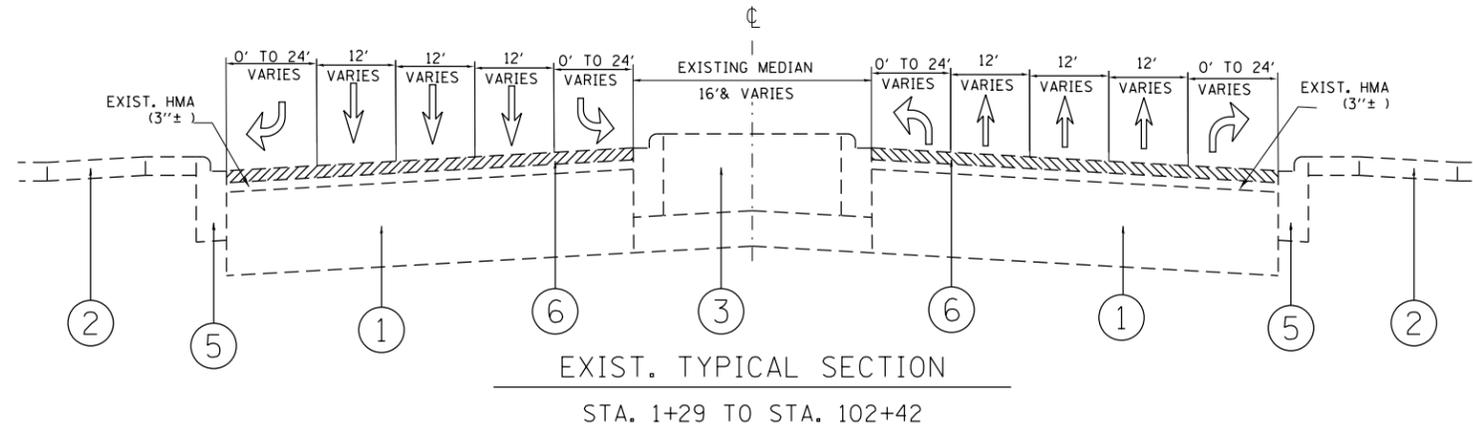
* = SPECIALTY ITEMS

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE					CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	2324	2324					* 89502376	REBUILD EXISTING HANDHOLE	EACH	9	9				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	28163	28163					X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	12619	12619					X0327036	BIKE PATH REMOVAL	SO YD	23	23				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1031	1031					X4403300	CONCRETE MEDIAN REMOVAL	SO FT	766	766				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	497	497					X4403800	MEDIAN SURFACE REMOVAL	SO FT	7768	7768				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1439	1439					X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1343	1343				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1222	1222					X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	95	95				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1167	1167					X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	30380	30380				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	4					Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	8255	8255				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	7504	7504					Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	179	179				
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	15	15					Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	126.4	126.4				
									Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	61838	61838				
									Z0076600	TRAINEES	HOUR	500	500				
									Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500				

= N.P. 100% STATE
 = SPECIALTY ITEMS

REV. - MS

IL 58 (GOLF RD.)



LEGEND

- ① EXISTING P.C.C. PAVEMENT, ±11"
- ② EXISTING P.C.C. SIDEWALK, 5" (TYP.)
- ③ EXISTING MEDIAN
- ⑤ EXISTING COMB. CONCRETE CURB AND GUTTER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1 3/4"
- ⑦ PROPOSED POLY HMA SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
- ⑧ LONGITUDINAL JOINT SEALANT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDes	QMP
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ROADWAY RESURFACING:

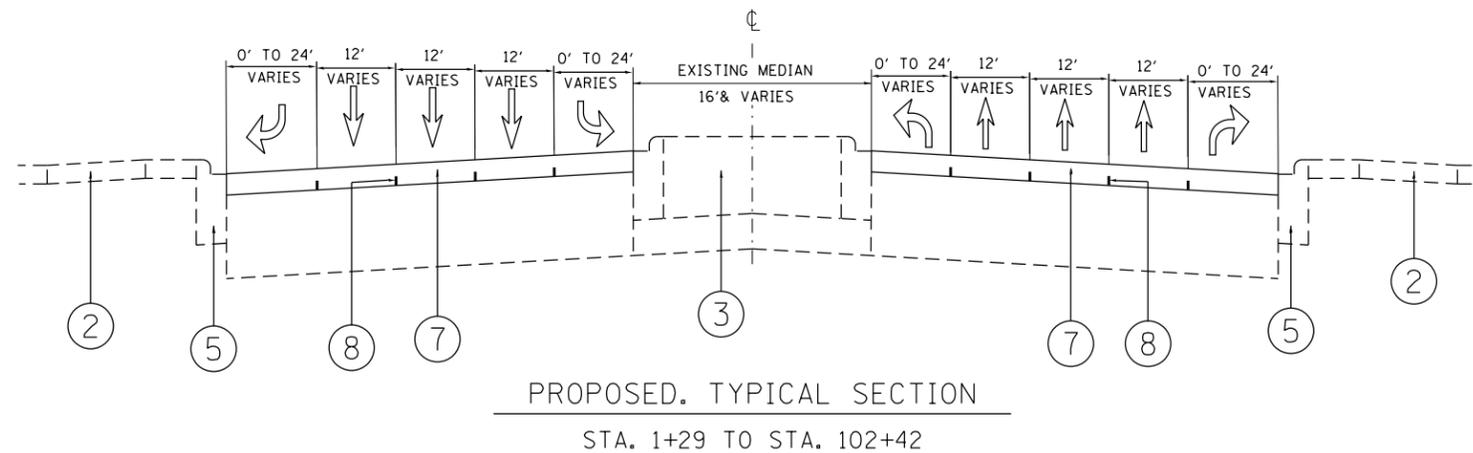
POLY HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80	3.5% AT 80 GYR.	PFP
--	-----------------	-----

HOT-MIX ASPHALT PATCHING:

CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC / QA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC / QA

QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP)

IL 58 (GOLF RD.)



NOTES:

THE CONTRACTOR SHALL PATCH FIRST, THEN MILL THE ROADWAY.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN.

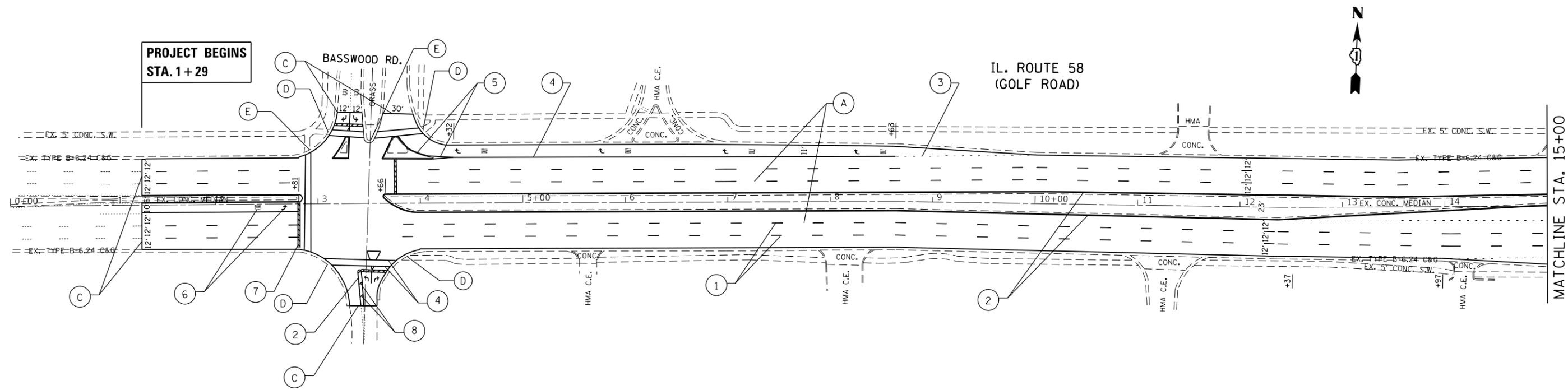
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.

FILE NAME =	USER NAME = alawnehab	DESIGNED -	REVISED - AA 8/8/2019	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE. 58 (GOLF RD.) (BASSWOOD ST. TO I-290/IL. 53.) TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\DRAWING\Design\0114719-shr-typical.dgn		CHECKED -	REVISED -		559	2019-026-RS	COOK	46	6		
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 62J04						
PLOT DATE = 8/8/2019		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT



**PROJECT BEGINS
STA. 1+29**

**IL. ROUTE 58
(GOLF ROAD)**

MATCHLINE STA. 15+00



ROADWAY PROPOSED WORK LEGEND	
A	PROP. HMA SURFACE REMOVAL 1 3/4" PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
C	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING

PROPOSED PAVEMENT MARKINGS LEGEND	
1	THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP.)
2	THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW (TYP.)
3	THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - TURN LINE MARKING (TYP.)
4	THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE (TYP.)
5	THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE (TYP.)
6	THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - PAVEMENT MARKING (TYP.)
7	THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
8	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, YELLOW - PAINTED MEDIAN MARKING (TYP.)
9	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, WHITE (TYP.)

SIDEWALK LEGEND	
D	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
E	PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
F	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
G	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424031
H	PROP. CURB RAMP IMPROVEMENT, USE DETAIL FOR STRAIGHT PERPENDICULAR RAMPS

MODEL: Default
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 PROJECT: 114719\CaddData\Design\114719-sh-rlan.dwg
 PLOT DATE: 6/28/2019

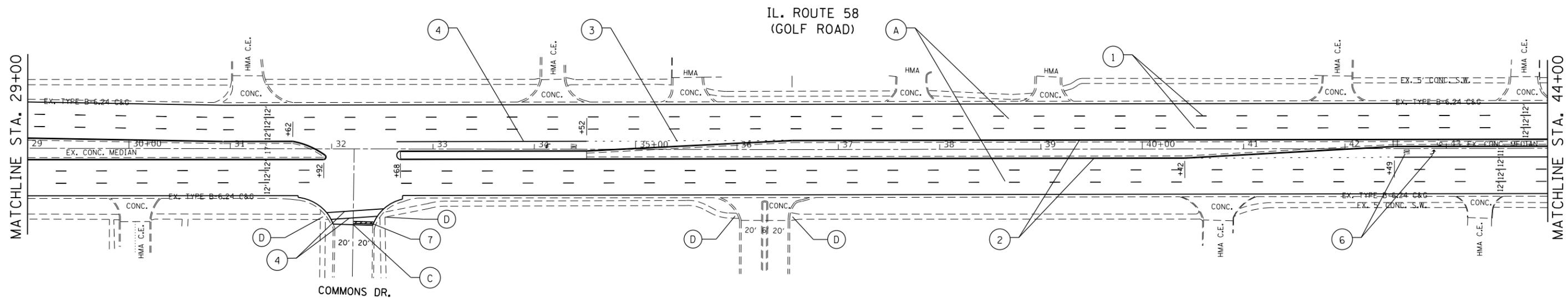
USER NAME = alawnehab	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN IL. RTE. 58 (GOLF RD.)
(BASSWOOD ST. TO I-290 /IL. 53)**

SCALE: 1"=50' SHEET OF SHEETS STA. 1+28.8 TO STA. 15+00

F.A.P. RTE. 559	SECTION 2019-026-R5	COUNTY COOK	TOTAL SHEETS 46	SHEET NO. 7
CONTRACT NO. 62J04				
ILLINOIS FED. AID PROJECT				



ROADWAY PROPOSED WORK LEGEND	
A	PROP. HMA SURFACE REMOVAL 1 3/4" PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
C	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING

PROPOSED PAVEMENT MARKINGS LEGEND	
1	THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP.)
2	THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW (TYP.)
3	THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - TURN LINE MARKING (TYP.)
4	THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE (TYP.)
5	THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE (TYP.)
6	THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - PAVEMENT MARKING (TYP.)
7	THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
8	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, YELLOW - PAINTED MEDIAN MARKING (TYP.)
9	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, WHITE (TYP.)

SIDEWALK LEGEND	
D	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
E	PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
F	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
G	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424031
H	PROP. CURB RAMP IMPROVEMENT, USE DETAIL FOR STRAIGHT PERPENDICULAR RAMPS

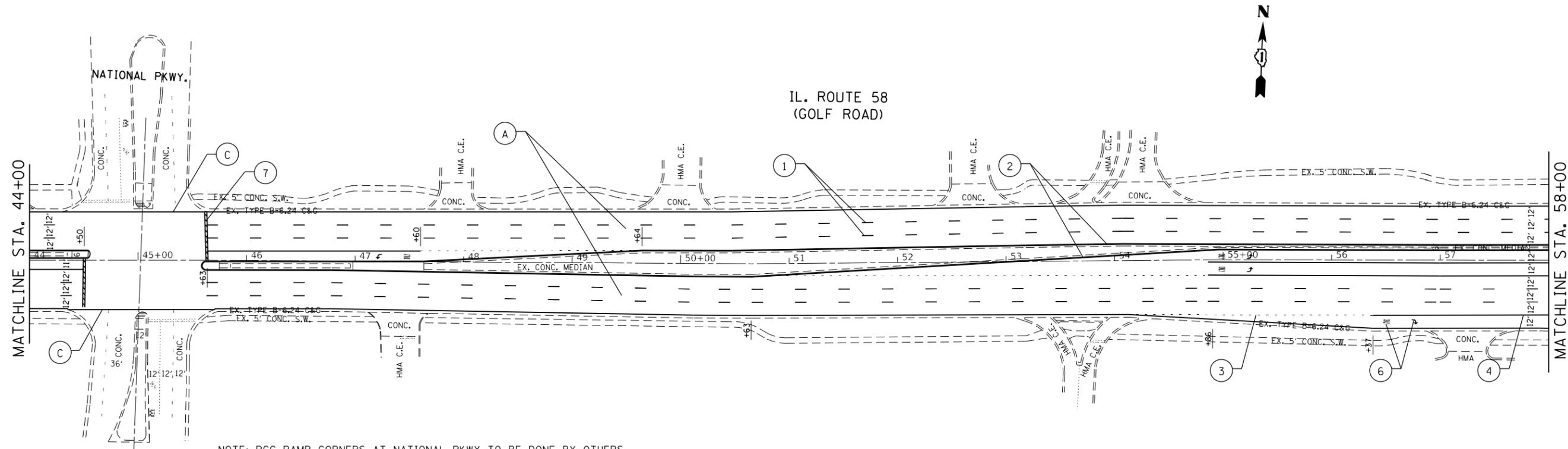
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PLOT DATE = 6/28/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN IL. RTE. 58 (GOLF RD.) (BASSWOOD ST. TO I-290 /IL. 53)			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA. 29+00	TO	STA. 44+00

F.A.P. RTE. 559	SECTION 2019-026-RS	COUNTY COOK	TOTAL SHEETS 46	SHEET NO. 9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J04	



NOTE: PCC RAMP CORNERS AT NATIONAL PKWY TO BE DONE BY OTHERS

ROADWAY PROPOSED WORK LEGEND	
(A)	PROP. HMA SURFACE REMOVAL 1 3/4" PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
(C)	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING

PROPOSED PAVEMENT MARKINGS LEGEND	
(1)	THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP.)
(2)	THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW (TYP.)
(3)	THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - TURN LINE MARKING (TYP.)
(4)	THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE (TYP.)
(5)	THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE (TYP.)
(6)	THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - PAVEMENT MARKING (TYP.)
(7)	THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
(8)	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, YELLOW - PAINTED MEDIAN MARKING (TYP.)
(9)	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, WHITE (TYP.)

SIDEWALK LEGEND	
(D)	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
(E)	PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
(F)	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
(G)	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424031
(H)	PROP. CURB RAMP IMPROVEMENT, USE DETAIL FOR STRAIGHT PERPENDICULAR RAMPS

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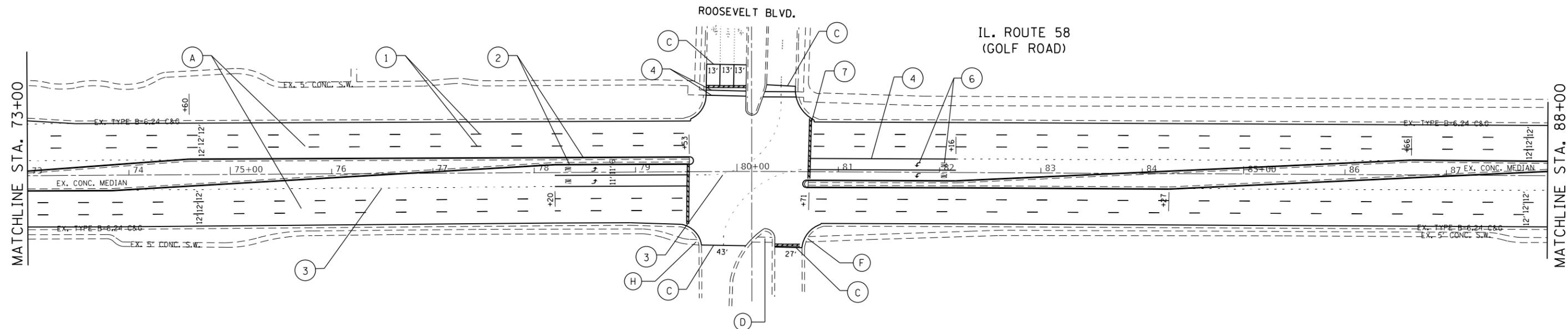
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PLOT DATE = 6/28/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN IL. RTE. 58 (GOLF RD.)
(BASSWOOD ST. TO I-290 /IL. 53)**

SCALE: 1"=50' SHEET OF SHEETS STA. 44+00 TO STA. 58+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-RS	COOK	46	10
CONTRACT NO. 62J04				
ILLINOIS FED. AID PROJECT				



ROADWAY PROPOSED WORK LEGEND	
A	PROP. HMA SURFACE REMOVAL 1 3/4" PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
C	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING

PROPOSED PAVEMENT MARKINGS LEGEND	
1	THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP.)
2	THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW (TYP.)
3	THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - TURN LINE MARKING (TYP.)
4	THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE (TYP.)
5	THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE (TYP.)
6	THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - PAVEMENT MARKING (TYP.)

7	THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
8	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, YELLOW - PAINTED MEDIAN MARKING (TYP.)
9	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, WHITE (TYP.)

SIDEWALK LEGEND	
D	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
E	PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
F	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
G	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424031
H	PROP. CURB RAMP IMPROVEMENT, USE DETAIL FOR STRAIGHT PERPENDICULAR RAMPS

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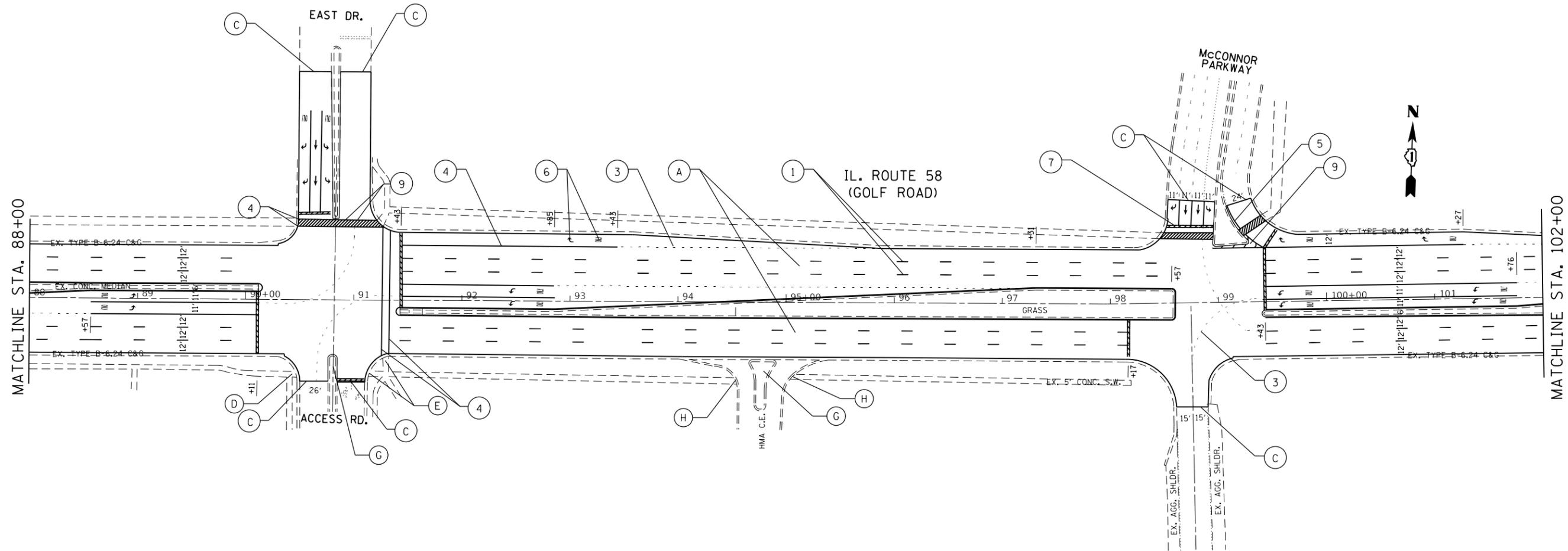
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN IL. RTE. 58 (GOLF RD.)
(BASSWOOD ST. TO I-290 /IL. 53)**

SCALE: 1"=50' SHEET OF SHEETS STA. 73+00 TO STA. 88+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-RS	COOK	46	12
CONTRACT NO. 62J04			ILLINOIS FED. AID PROJECT	



ROADWAY PROPOSED WORK LEGEND	
(A)	PROP. HMA SURFACE REMOVAL 1 3/4" PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
(C)	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING

PROPOSED PAVEMENT MARKINGS LEGEND	
(1)	THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP.)
(2)	THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW (TYP.)
(3)	THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - TURN LINE MARKING (TYP.)
(4)	THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE (TYP.)
(5)	THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE (TYP.)
(6)	THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - PAVEMENT MARKING (TYP.)

(7)	THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
(8)	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, YELLOW - PAINTED MEDIAN MARKING (TYP.)
(9)	THERMOPLASTIC PVMT. MARKING LINE, DIAGONALS, 12", SOLID, WHITE (TYP.)

SIDEWALK LEGEND	
(D)	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
(E)	PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
(F)	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424001
(G)	PROP. CURB RAMP IMPROVEMENT, USE HWY STD 424031
(H)	PROP. CURB RAMP IMPROVEMENT, USE DETAIL FOR STRAIGHT PERPENDICULAR RAMPS

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN IL. RTE. 58 (GOLF RD.)
(BASSWOOD ST. TO I-290 /IL. 53)**

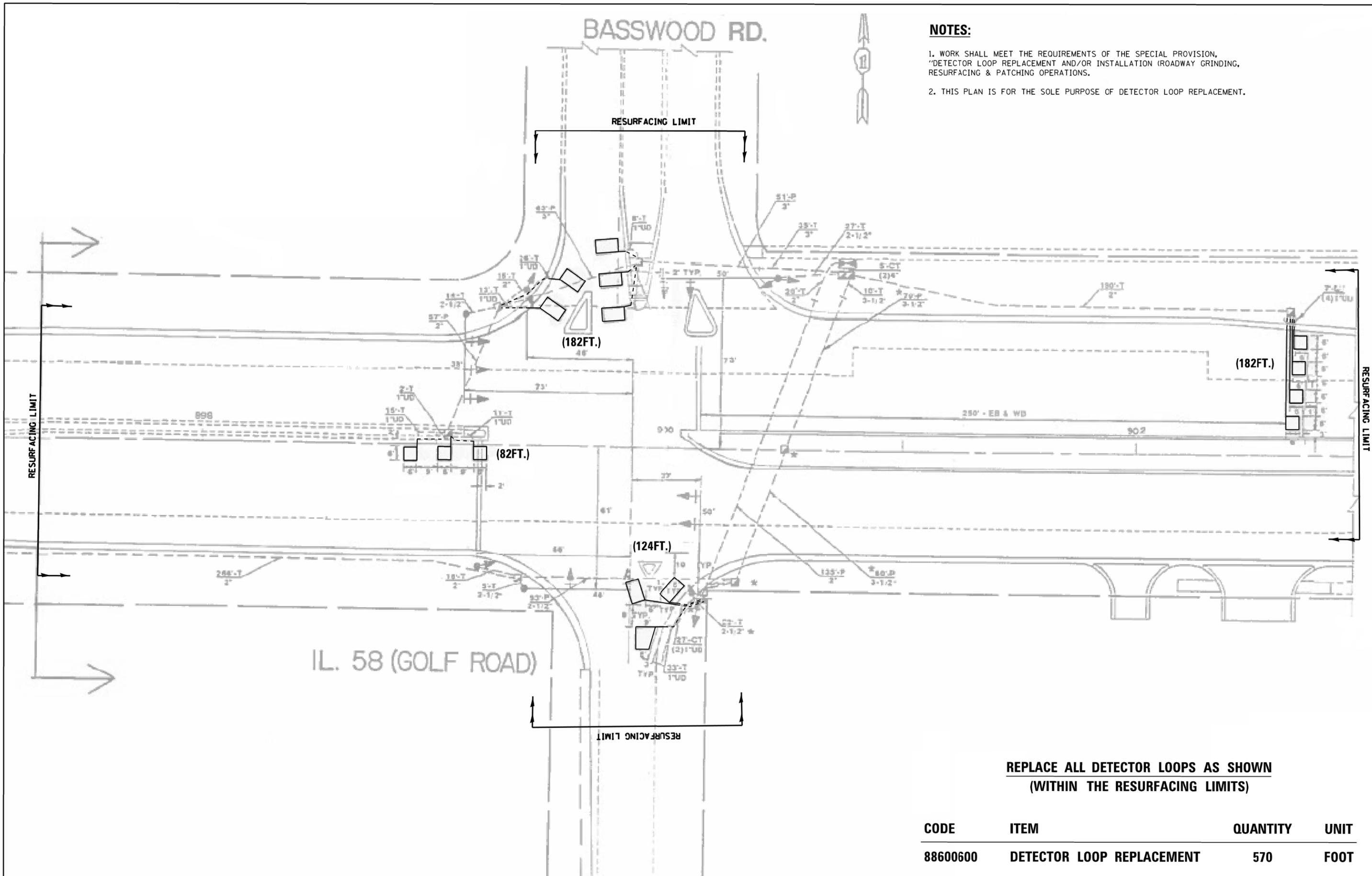
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-RS	COOK	46	13
CONTRACT NO.			62J04	
ILLINOIS FED. AID PROJECT				

BASSWOOD RD.

NOTES:

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

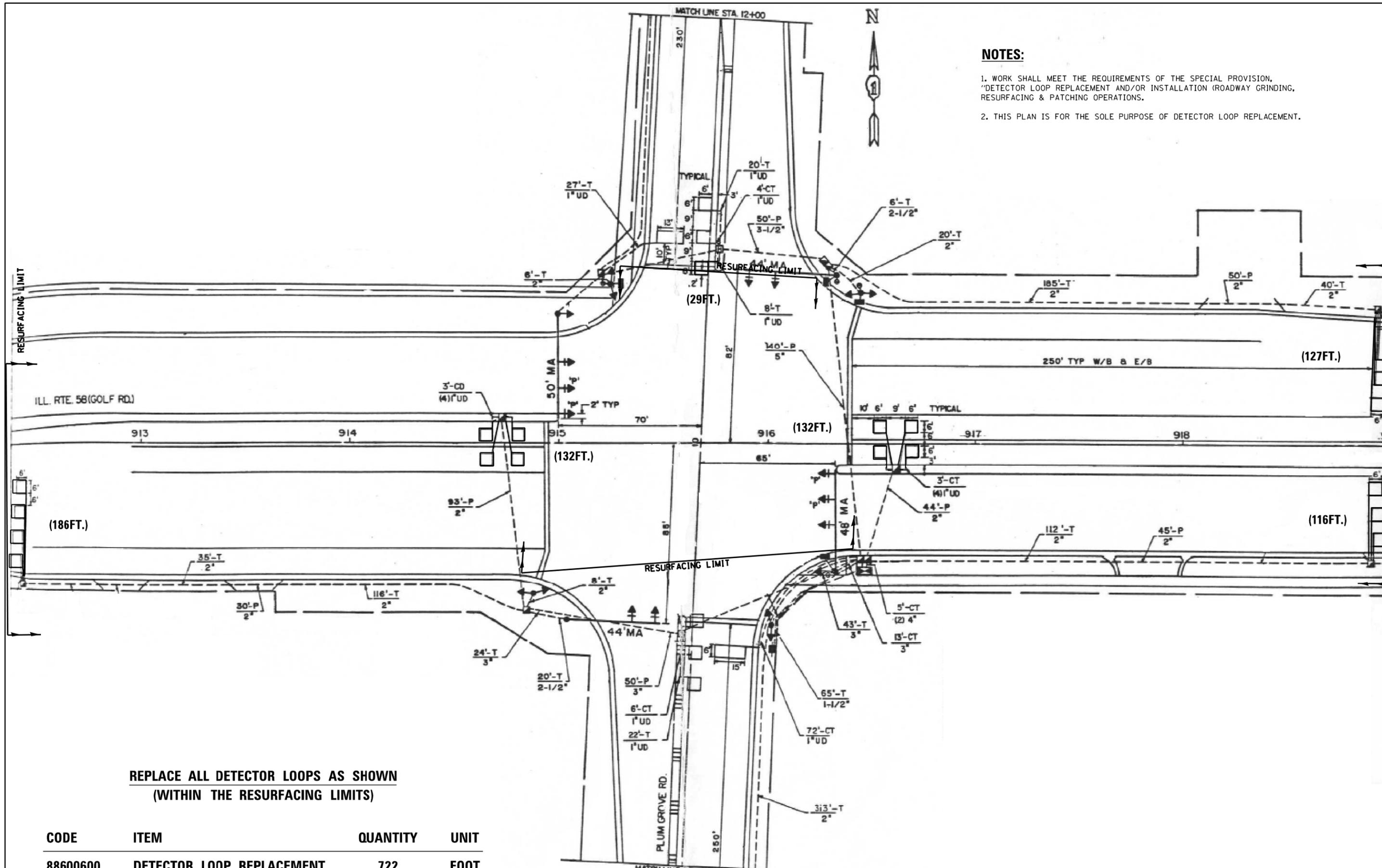


**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	570	FOOT

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	722	FOOT

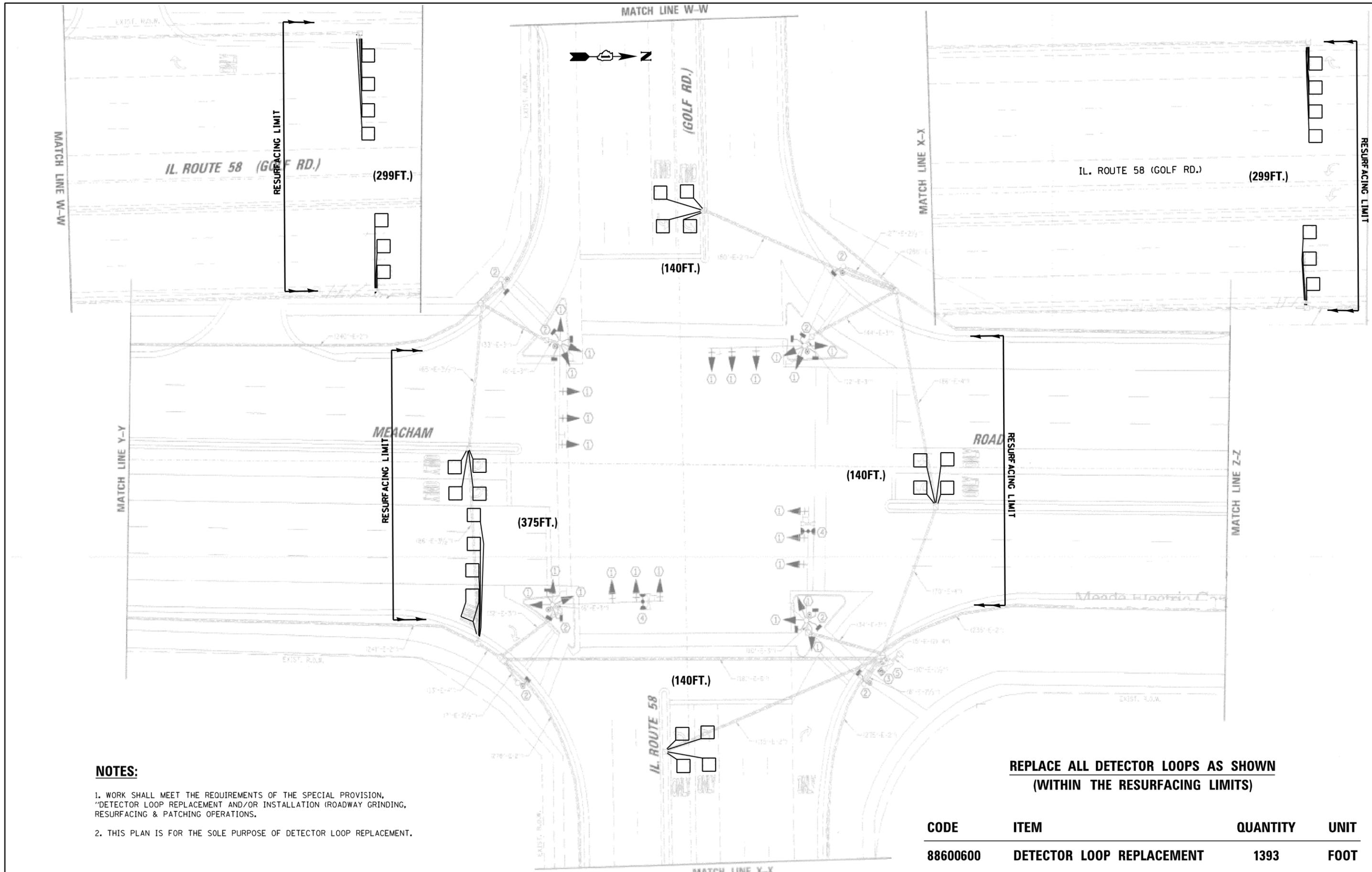
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 58 AT PLUM GROVE RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

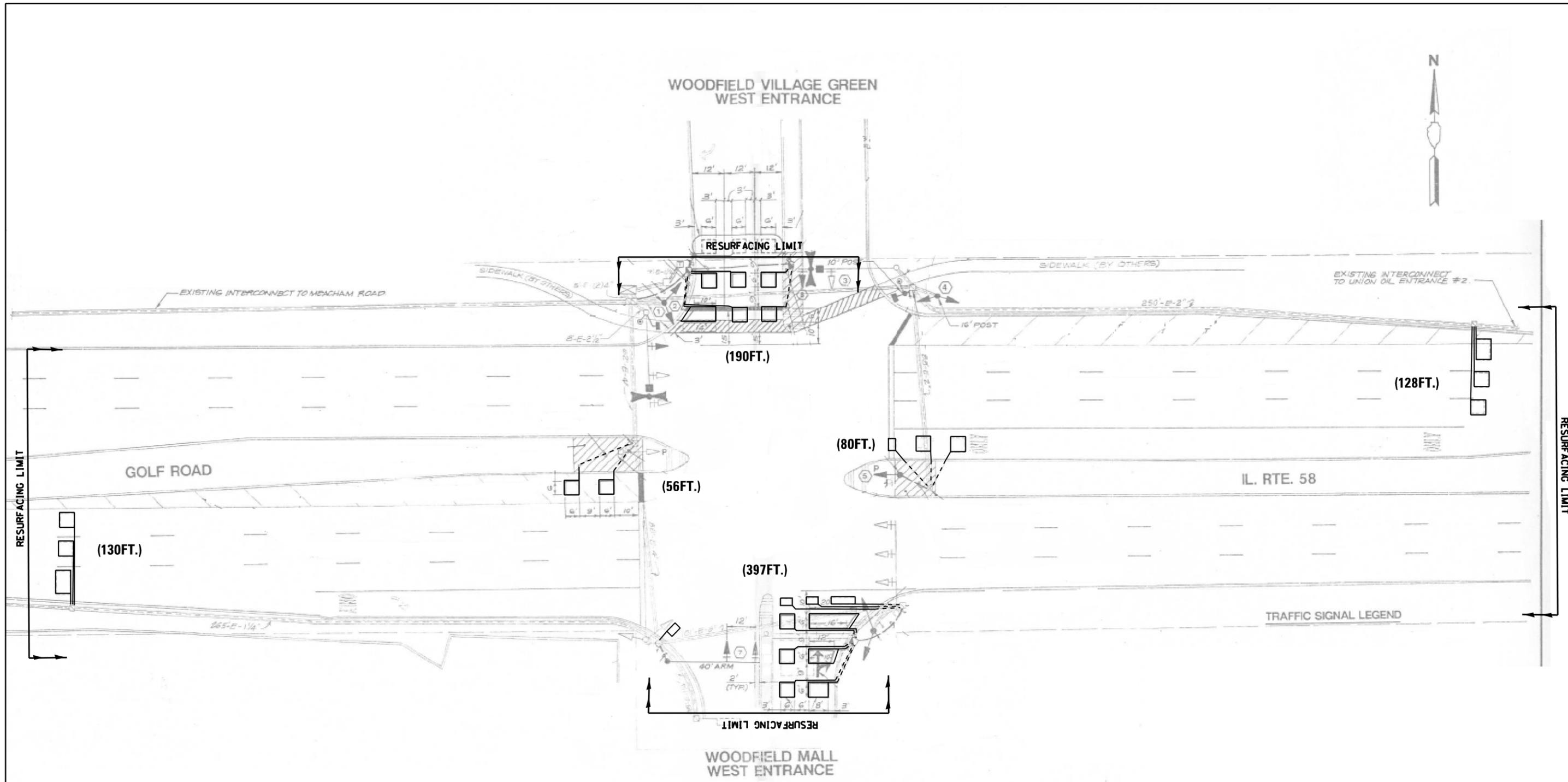
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-RS	COOK	46	16
CONTRACT NO. 62J04				
ILLINOIS FED. AID PROJECT				



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.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1393	FOOT



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	981	FOOT

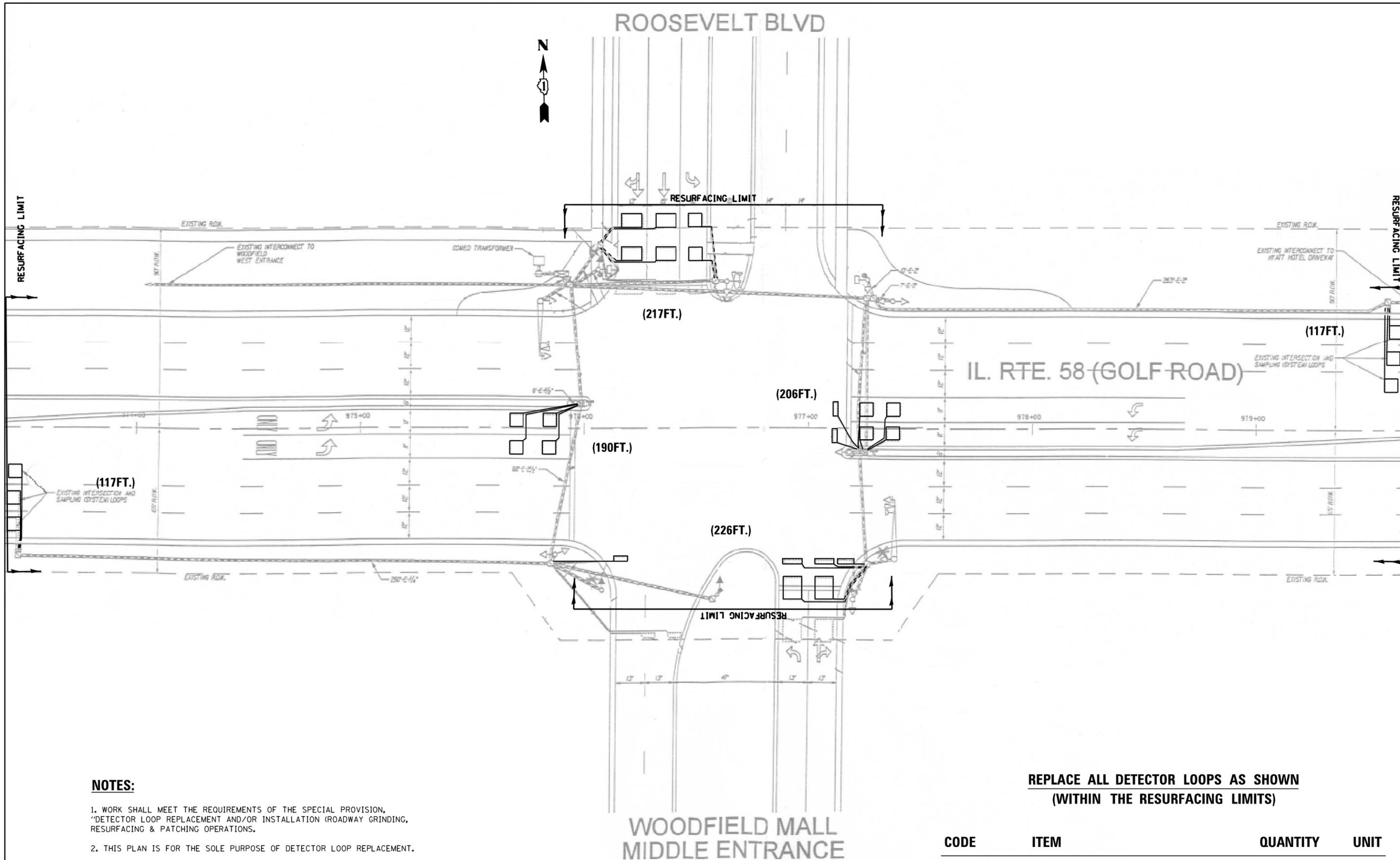
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 58 AT WOODFIELD MALL ENT.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-RS	COOK	46	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J04	



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	1073	FOOT

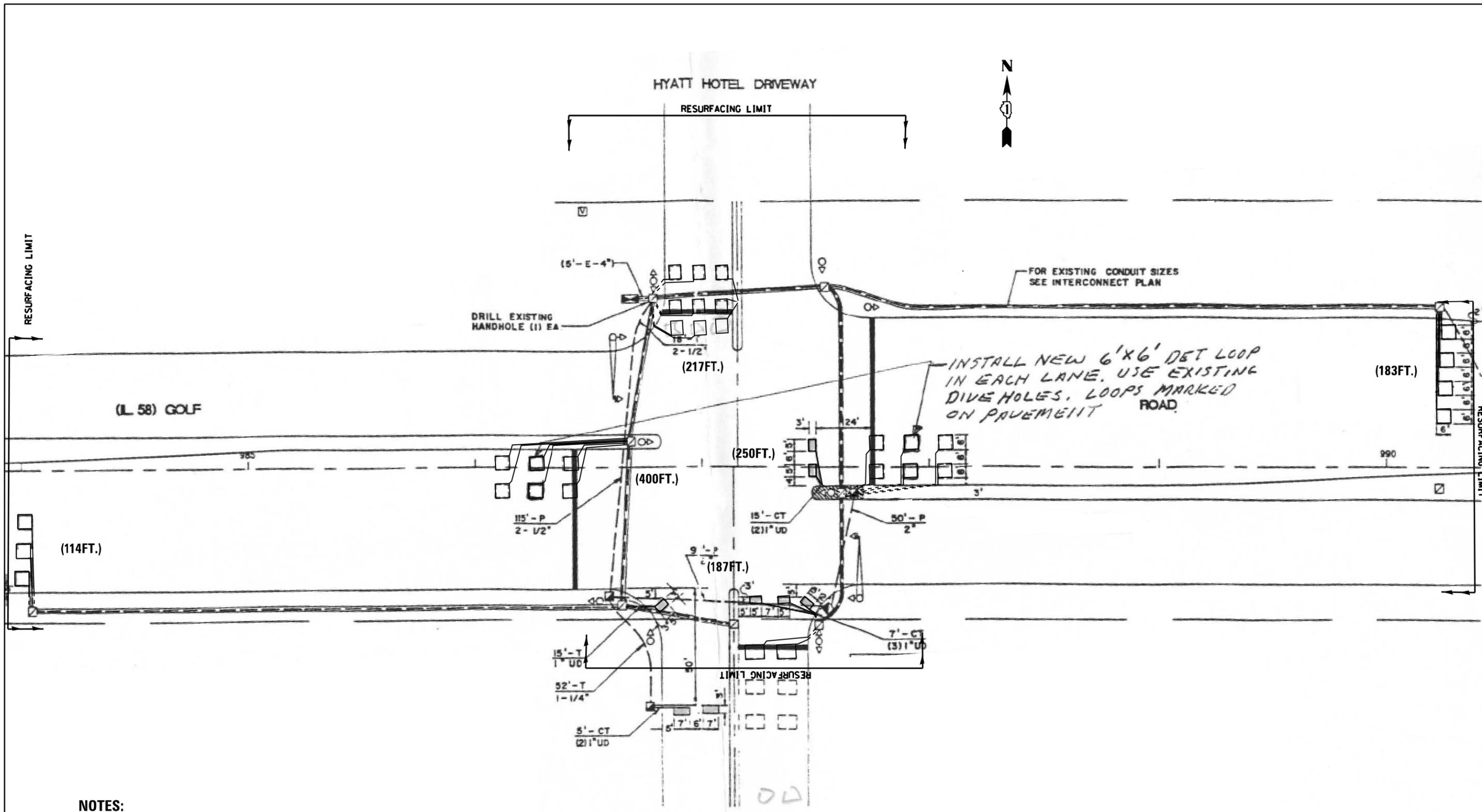
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 58 AT ROOSEVELT BLVD.**

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 559	SECTION 2019-026-RS	COUNTY COOK	TOTAL SHEETS 46	SHEET NO. 20
			CONTRACT NO. 62J04	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

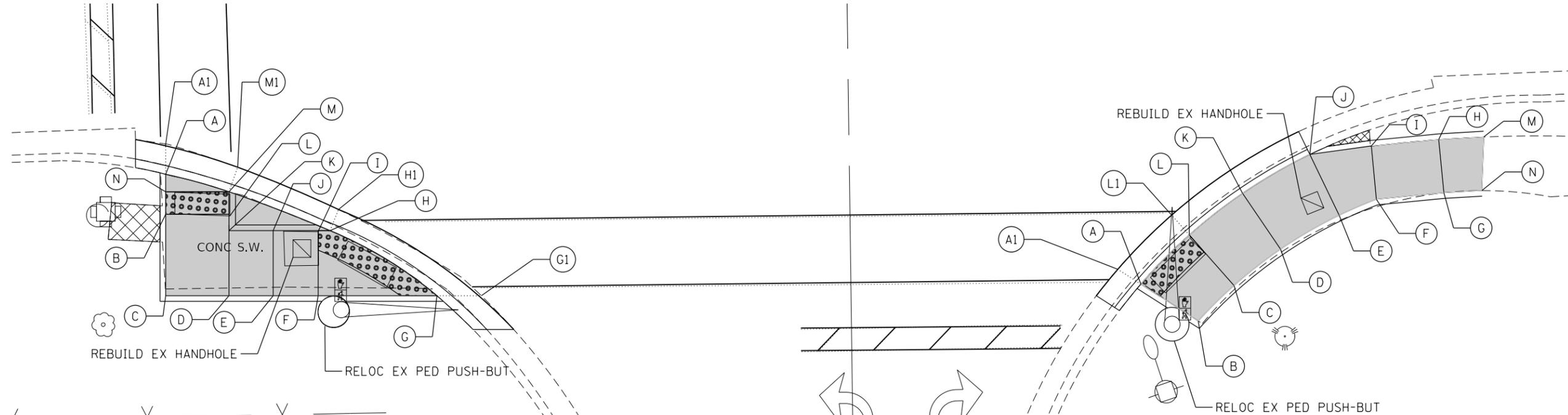
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88600600	DETECTOR LOOP REPLACEMENT	1351	FOOT

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	PLOT DATE = 3/7/2019	DATE - 02/25/2019	REVISED -			ILLINOIS FED. AID PROJECT					



IL. ROUTE 58

BASSWOOD ST.



SOUTHWEST CORNER DETAIL

POINT	EX. ELEV.	PR. ELEV.
A1	768.15	768.15
M1	768.21	768.21
G1	768.31	768.31
H1	768.28	768.28
A	768.15	768.15
B	NA	768.20
C	NA	768.30
D	NA	768.35
E	NA	768.42
F	NA	768.39
G	NA	768.31
H	NA	768.28
I	NA	768.30
J	NA	768.35
K	NA	768.27
L	NA	768.25
M	NA	768.21
N	NA	768.17

SEGMENT	LENGTH (FT)	SLOPE (%)
N-B	2.00	1.50%
B-C	7.23	1.38%
M-L	2.00	1.76%
L-K	1.45	1.37%
K-D	5.78	1.39%
G-F	10.56	0.77%
F-E	3.99	0.78%
D-E	3.93	1.78%
H-I	1.05	1.67%
I-J	4.00	1.25%
K-J	3.93	2.03%
C-D	5.65	0.89%
B-L	5.64	0.89%
N-M	5.64	0.80%
H-G	11.12	0.23%
I-F	5.78	1.54%
J-E	5.78	1.21%
A-N	1.55	1.55%

SOUTHEAST CORNER DETAIL

POINT	EX. ELEV.	PR. ELEV.
A1	768.12	768.12
L1	768.08	768.08
A	NA	768.12
B	NA	768.15
C	NA	768.09
D	NA	767.90
E	NA	767.83
F	NA	767.76
G	NA	767.58
H	NA	767.62
I	NA	767.71
J*	NA	767.81
K*	NA	767.89
L	NA	768.08
M	767.59	767.59
N	767.52	767.52

* POINT LOWER THAN CURB

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	6.07	0.63%
L-C	6.00	0.18%
L-A	6.13	0.61%
C-B	4.48	1.46%
D-C	5.25	3.57%
K-L	6.01	3.12%
E-D	6.02	1.19%
J-K	6.90	1.13%
F-E	3.60	1.85%
I-J	5.52	1.85%
H-I	6.03	1.57%
G-F	6.04	3.00%
K-D	6.00	0.18%
J-E	6.00	0.29%
I-F	4.75	1.11%
G-H	4.75	0.71%
M-H	4.01	0.59%
N-G	3.37	1.85%
N-M	4.77	1.52%

LEGEND

- EXISTING CC&G
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

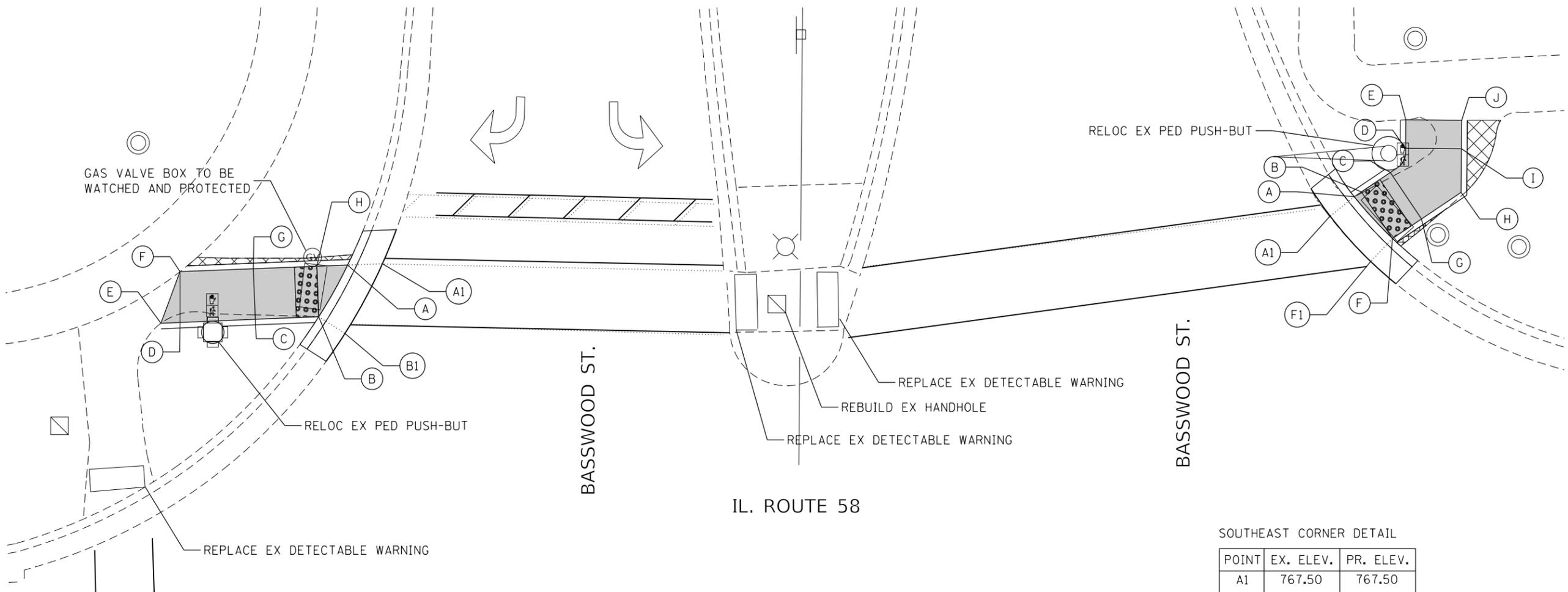
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PLOT DATE = 6/28/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN
IL 58 (GOLF RD) FROM BASSWOOD ST. TO I-290 /IL.53
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	23
CONTRACT NO. 62J04				
ILLINOIS FED. AID PROJECT				



SOUTHWEST CORNER DETAIL

POINT	EX. ELEV.	PR. ELEV.
D1	736.30	736.30
E1	736.33	736.33
A	736.77	736.77
B	NA	736.56
C	NA	736.36
D	NA	736.30
E	NA	736.33
F	NA	736.43
G	NA	736.63
H	736.72	736.72
I	NA	736.37

SEGMENT	LENGTH (FT)	SLOPE (%)
B-A	5.00	4.17%
C-B	6.55	3.00%
D-C	2.00	3.00%
F-G	6.55	3.00%
G-H	2.10	1.85%
H-A	4.99	0.94%
B-G	4.99	1.39%
C-F	4.99	1.39%
E-I	2.60	1.83%
I-F	2.00	2.91%
D-I	4.99	1.43%

SOUTHEAST CORNER DETAIL

POINT	EX. ELEV.	PR. ELEV.
A1	767.50	767.50
F1	767.48	767.48
A	NA	767.50
B	NA	767.50
C	NA	767.72
D	NA	767.77
E	767.96	767.96
F	NA	767.48
G	NA	767.72
H	NA	767.79
I	NA	767.86
J	767.98	767.98

SEGMENT	LENGTH (FT)	SLOPE (%)
B-C	3.11	6.92%
C-D	2.55	1.80%
D-E	2.54	7.47%
F-G	3.11	7.50%
G-H	4.27	1.65%
H-I	3.89	1.80%
I-J	2.54	4.76%
F-B	5.00	0.45%
G-C	5.00	0.09%
D-I	5.01	1.80%
E-J	5.00	0.42%

LEGEND

- EXISTING CC&G
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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 DATE: 6/28/2019

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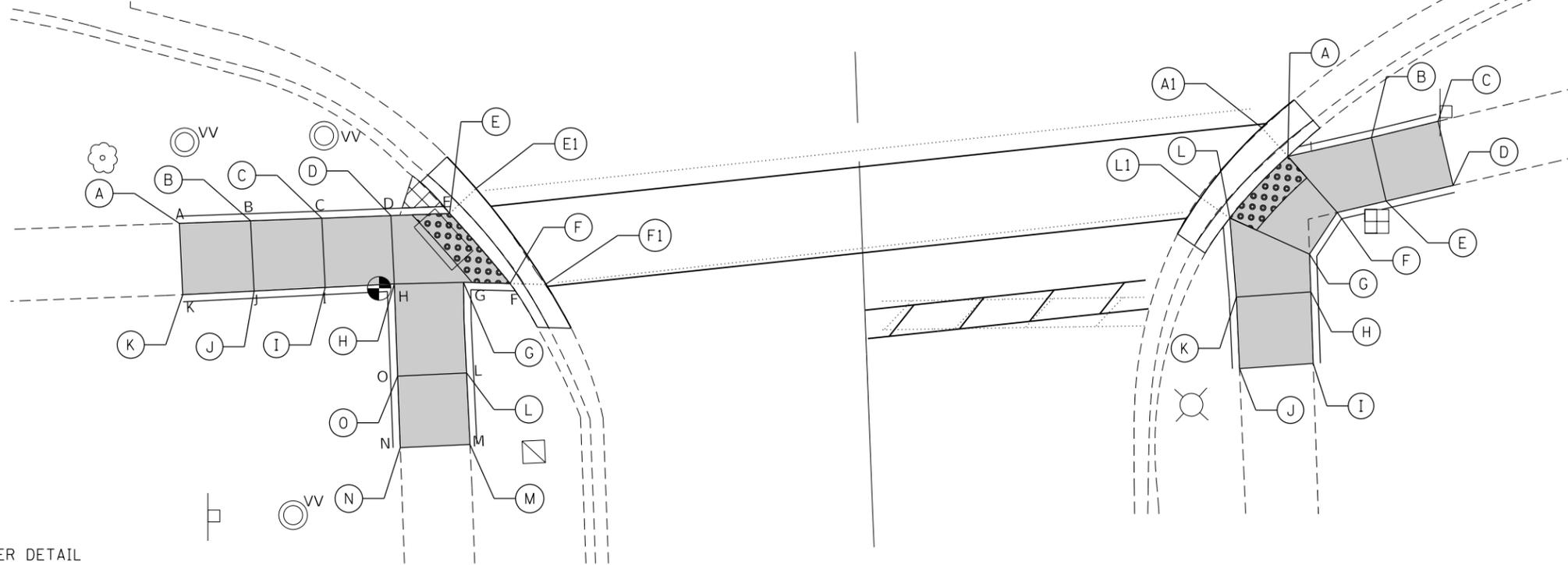
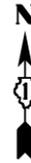
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.

SIDEWALK DETAIL PLAN
IL 58 (GOLF RD) FROM BASSWOOD ST. TO I-290 /IL.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	24
CONTRACT NO. 62J04				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 58



SOUTHWEST CORNER DETAIL

POINT	EX. ELEV.	PR. ELEV.
E1	740.57	740.57
F1	740.59	740.59
A	741.43	741.43
B	NA	741.39
C	NA	741.01
D	NA	740.65
E	NA	740.57
F	NA	740.59
G	NA	740.65
H	NA	740.74
I	NA	741.10
J	NA	741.30
K	741.48	741.48
L	NA	740.95
M	741.06	741.06
N	741.10	741.10
O	NA	741.04

SEGMENT	LENGTH (FT)	SLOPE (%)
B-A	5.00	0.89%
C-B	5.00	7.50%
D-C	4.85	7.44%
E-D	4.12	1.85%
E-F	6.48	0.21%
F-G	3.26	1.82%
G-H	4.86	1.85%
H-I	4.85	7.50%
I-J	4.99	3.90%
J-K	5.00	3.71%
A-K	4.99	1.01%
J-B	4.92	1.85%
C-I	4.85	1.85%
D-H	4.79	1.80%
G-L	6.34	4.75%
L-M	5.00	2.27%
H-O	6.45	4.67%
O-N	5.00	1.14%
M-N	4.89	0.67%
L-O	4.84	1.85%

COMMONS DR.

SOUTHEAST CORNER DETAIL

POINT	EX. ELEV.	PR. ELEV.
A1	739.94	739.94
L1	740.00	740.00
A	NA	739.94
B	NA	740.06
C	740.08	740.08
D	739.96	739.96
E	NA	740.14
F	NA	739.99
G	NA	740.04
H	NA	740.17
I	740.36	740.36
J	740.43	740.43
K	NA	740.27
L	NA	740.00

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.99	2.00%
B-C	4.82	0.50%
F-E	3.52	4.28%
D-E	4.82	3.68%
G-H	2.64	4.75%
H-I	5.00	3.80%
L-K	5.55	4.75%
K-J	5.00	3.27%
I-J	5.18	1.36%
H-K	5.23	1.85%
L-G	6.14	0.67%
F-G	3.49	1.49%
A-L	5.94	1.08%
A-F	5.22	1.02%
B-E	4.56	1.85%
D-C	4.61	2.54%

LEGEND

- EXISTING CC&G
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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USER NAME = alawnehab	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

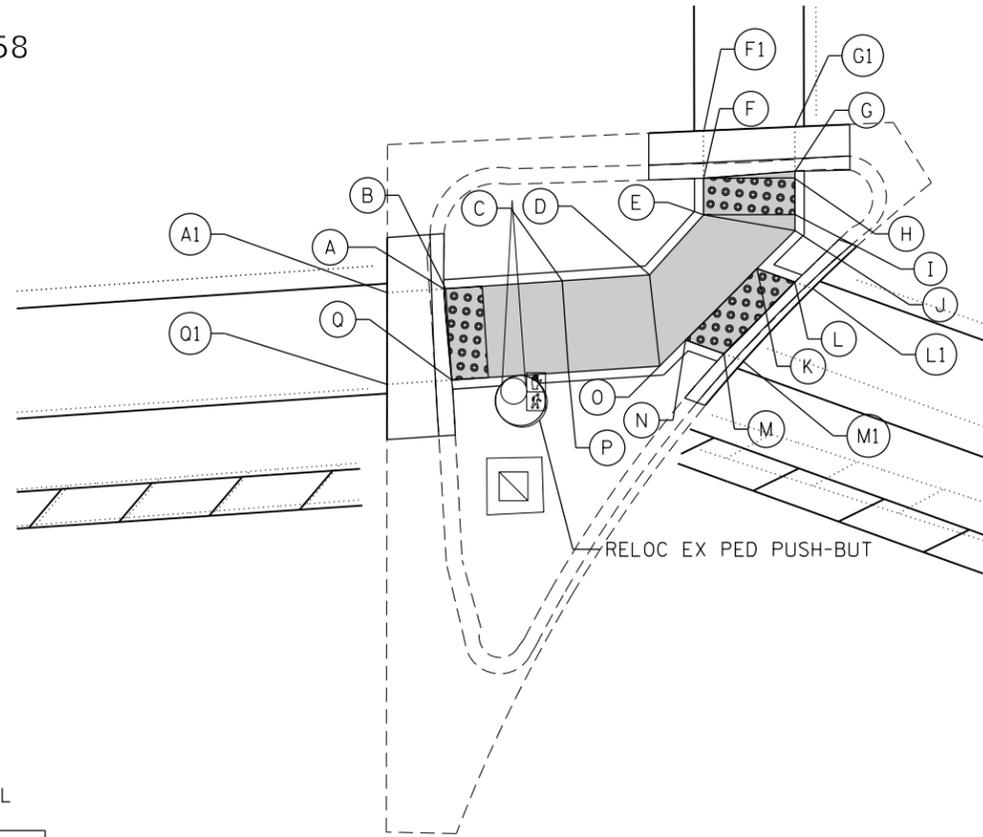
SIDEWALK DETAIL PLAN
IL 58 (GOLF RD) FROM BASSWOOD ST. TO I-290 /IL.53

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	25
CONTRACT NO. 62J04				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 58

MEACHAM RD.



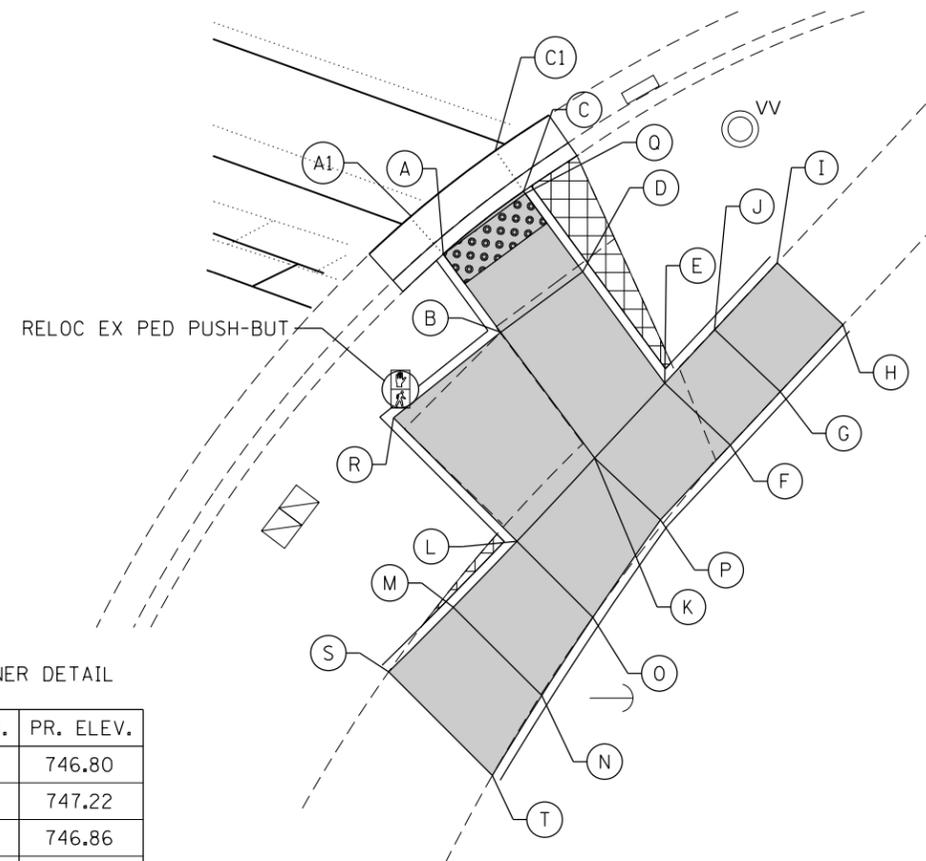
SOUTHEAST ISLAND DETAIL

POINT	EX. ELEV.	PR. ELEV.
A	NA	747.25
B	NA	747.25
C	NA	747.33
D	NA	747.38
E	NA	747.41
F	NA	747.38
G	NA	747.41
H	NA	747.41
I	NA	747.44
J	NA	747.43
K	NA	747.38
L	NA	747.32
M	NA	747.27
N	NA	747.31
O	NA	747.31
P	NA	747.30
Q	NA	747.22
A1	747.25	747.25
Q1	747.22	747.22
F1	747.38	747.38
G1	747.41	747.41
M1	747.27	747.27
L1	747.32	747.32

SEGMENT	LENGTH (FT)	SLOPE (%)
Q-B	5.00	0.52%
B-C	6.39	1.37%
C-D	4.78	0.86%
Q-P	6.39	1.28%
P-O	5.00	0.10%
P-C	5.00	0.63%
O-D	5.00	1.35%
O-N	2.01	0.12%
N-K	5.52	1.32%
D-E	4.42	0.85%
M-N	2.22	1.96%
M-L	5.51	1.03%
L-K	2.20	2.72%
K-J	2.93	1.45%
J-I	0.89	1.56%
H-I	2.00	1.60%
E-J	5.07	0.25%
E-I	4.99	0.53%
F-E	2.00	1.60%
F-H	5.00	0.53%

IL. ROUTE 58

MEACHAM RD.



SOUTHEAST CORNER DETAIL

POINT	EX. ELEV.	PR. ELEV.
A	NA	746.80
B	NA	747.22
C	NA	746.86
D	NA	747.23
E	NA	747.35
F	NA	747.43
G	NA	747.75
H	748.13	748.13
I	747.94	747.94
J	NA	747.66
K	NA	747.36
L	NA	747.47
M	NA	747.86
N	NA	747.96
O	NA	747.56
P	NA	747.45
Q	NA	746.86
R	NA	747.35
S	748.06	748.06
T	748.34	748.34
A1	746.80	746.80
C1	746.86	746.86

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.30	7.80%
A-Q	5.58	0.95%
B-D	5.57	0.19%
O-D	5.30	7.00%
D-E	7.55	1.59%
B-K	8.57	1.72%
E-K	5.60	0.30%
B-R	7.49	1.74%
R-L	8.87	1.42%
K-L	6.24	1.75%
K-P	4.94	1.75%
E-F	4.94	1.75%
L-O	6.53	1.38%
P-O	6.47	1.75%

SEGMENT	LENGTH (FT)	SLOPE (%)
F-P	5.60	0.30%
E-J	4.01	7.80%
J-I	5.00	5.66%
J-G	4.94	1.75%
G-H	5.00	7.63%
L-M	5.05	7.63%
M-S	5.00	4.06%
O-N	5.11	7.80%
N-T	5.13	7.40%
M-N	6.83	1.51%
S-T	8.01	3.49%
I-H	4.94	3.75%

LEGEND

- EXISTING CC&G
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL 58 (GOLF RD) FROM BASSWOOD ST. TO I-290 /IL.53

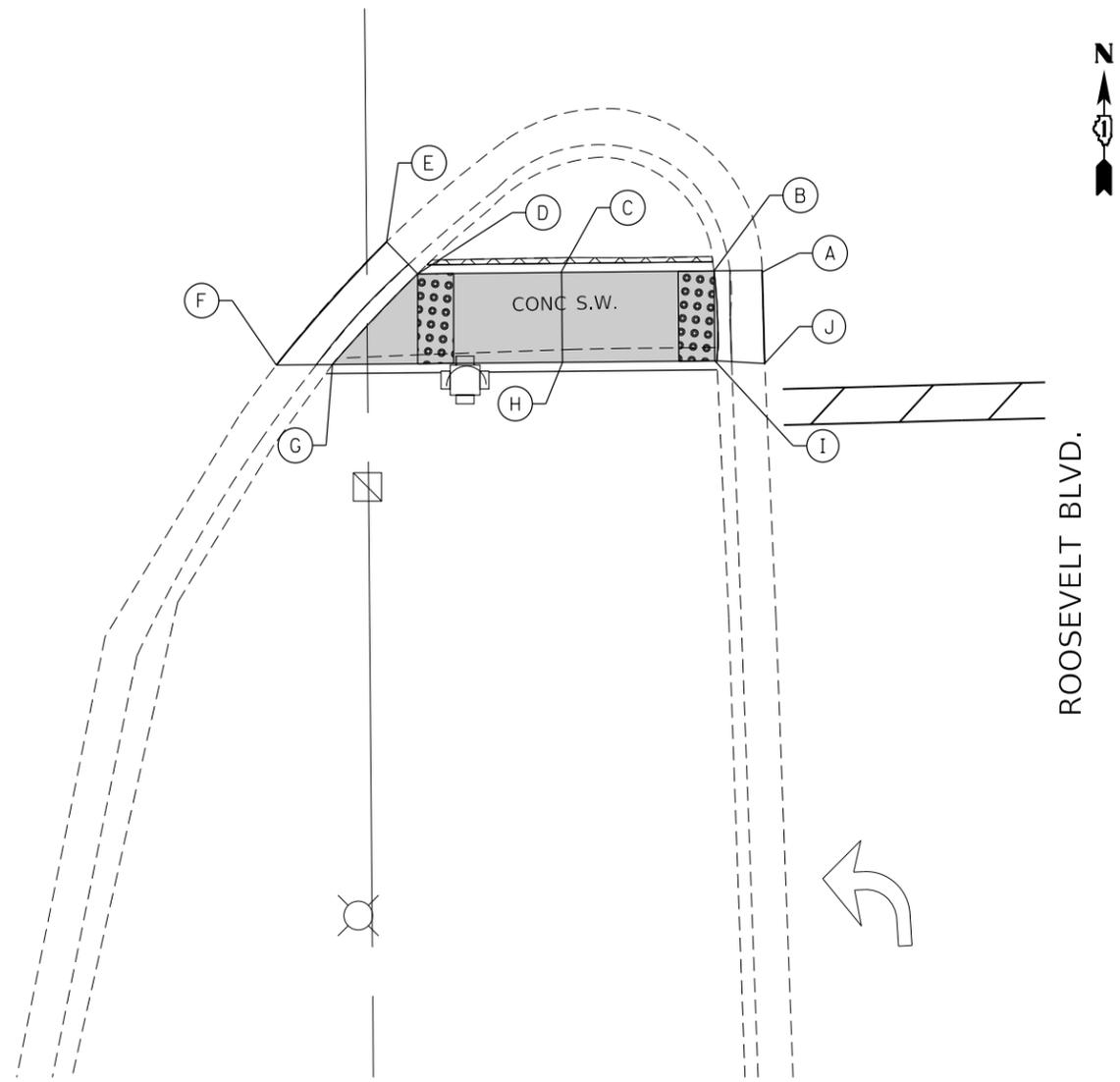
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	28
CONTRACT NO. 62J04				
ILLINOIS FED. AID PROJECT				

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	DATE -	REVISED -

IL. ROUTE 58



ROOSEVELT BLVD.

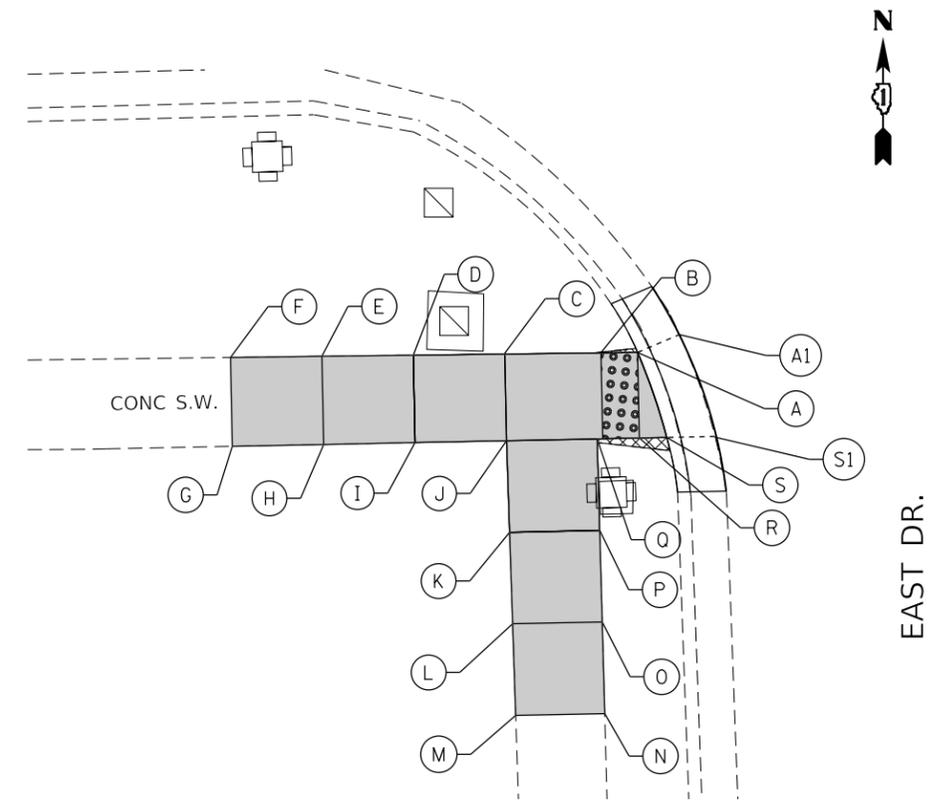
SOUTH MEDIAN DETAIL

POINT	EX. ELEV.	PR. ELEV.
A	738.73	738.73
B	738.93	738.73
C	739.55	739.07
D	739.32	738.99
E	739.18	738.99
F	739.44	738.99
G	739.85	738.99
H	739.65	739.12
I	739.15	738.78
J	738.78	738.78

NOTE:
CLASS D PATCH REQUIRED TO ADJUST
EOP'S ELEVATIONS AT F & E

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	2.68	0.00%
B-C	8.50	4.00%
D-C	8.00	4.00%
D-E	2.49	0.00%
F-G	2.02	0.00%
G-H	12.82	1.00%
I-H	8.50	4.00%
I-J	2.66	0.00%

IL. ROUTE 58



EAST DR.

SOUTHWEST CORNER DETAIL

POINT	EX. ELEV.	PR. ELEV.
A1	730.07	730.07
S1	730.22	730.18
A	730.08	730.07
B	730.27	730.04
C	730.39	730.13
D	730.45	730.28
E	730.52	730.43
F	730.59	730.59
G	730.72	730.72
H	730.64	730.55
I	730.56	730.38
J	730.48	730.21
K	730.64	730.46
L	730.8	730.71
M	730.96	730.96
N	730.85	730.85
O	730.71	730.61
P	730.57	730.37
Q	730.42	730.12
R	730.29	730.15
S	730.24	730.18

NOTE:
CLASS D PATCH REQUIRED TO ADJUST
EOP'S ELEVATIONS AT A1 & S1

SEGMENT	LENGTH (FT)	SLOPE (%)
B-A	2.31	1.10%
B-C	4.93	1.80%
C-D	5.00	3.05%
D-E	5.00	3.05%
E-F	5.00	3.05%
F-G	4.68	2.91%
C-J	4.68	1.80%
B-Q	4.68	1.80%
A-R	4.68	1.80%
J-I	5.00	3.39%
I-H	5.00	3.39%

SEGMENT	LENGTH (FT)	SLOPE (%)
H-G	5.00	3.39%
Q-J	4.93	1.80%
Q-R	2.31	1.10%
R-S	1.46	1.78%
J-K	5.00	5.00%
K-L	5.00	5.00%
L-M	5.00	5.00%
N-M	4.93	2.21%
O-P	5.00	4.86%
P-O	5.00	4.86%
O-N	5.00	4.86%

LEGEND

- EXISTING CC&G
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

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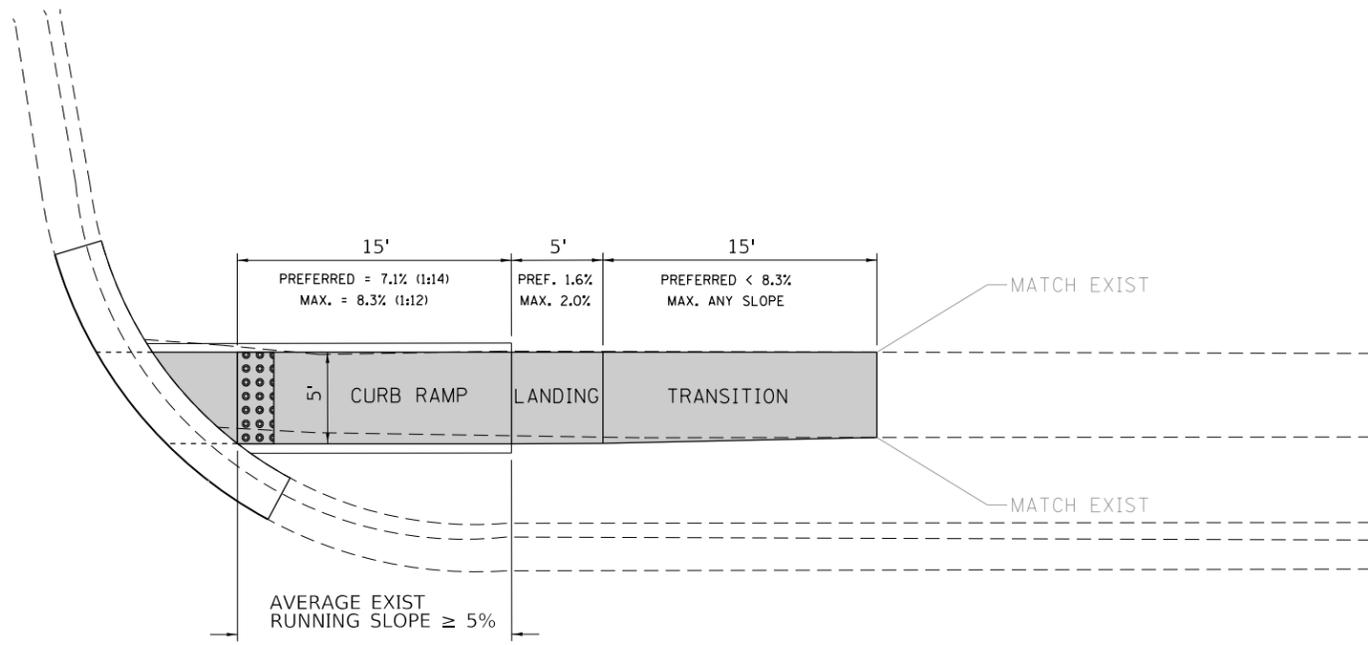
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PLOT DATE = 6/28/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL 58 (GOLF RD) FROM BASSWOOD ST. TO I-290 /IL.53

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 559	SECTION 2019-026-R5	COUNTY COOK	TOTAL SHEETS 46	SHEET NO. 32
CONTRACT NO. 62J04				
ILLINOIS FED. AID PROJECT				



LEGEND

-  EXISTING CC&G
-  PROPOSED CURB/SIDE CURB
-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

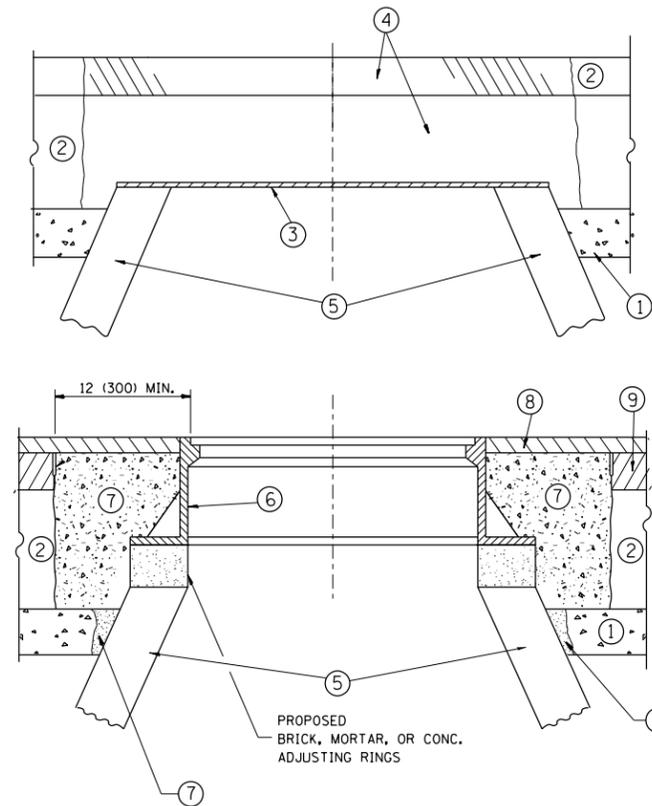
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	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/28/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL FOR STRAIGHT PERPENDICULAR RAMPS			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	33
CONTRACT NO. 62J04				
		ILLINOIS	FED. AID PROJECT	



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- 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.

NOTES:

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

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

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

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

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

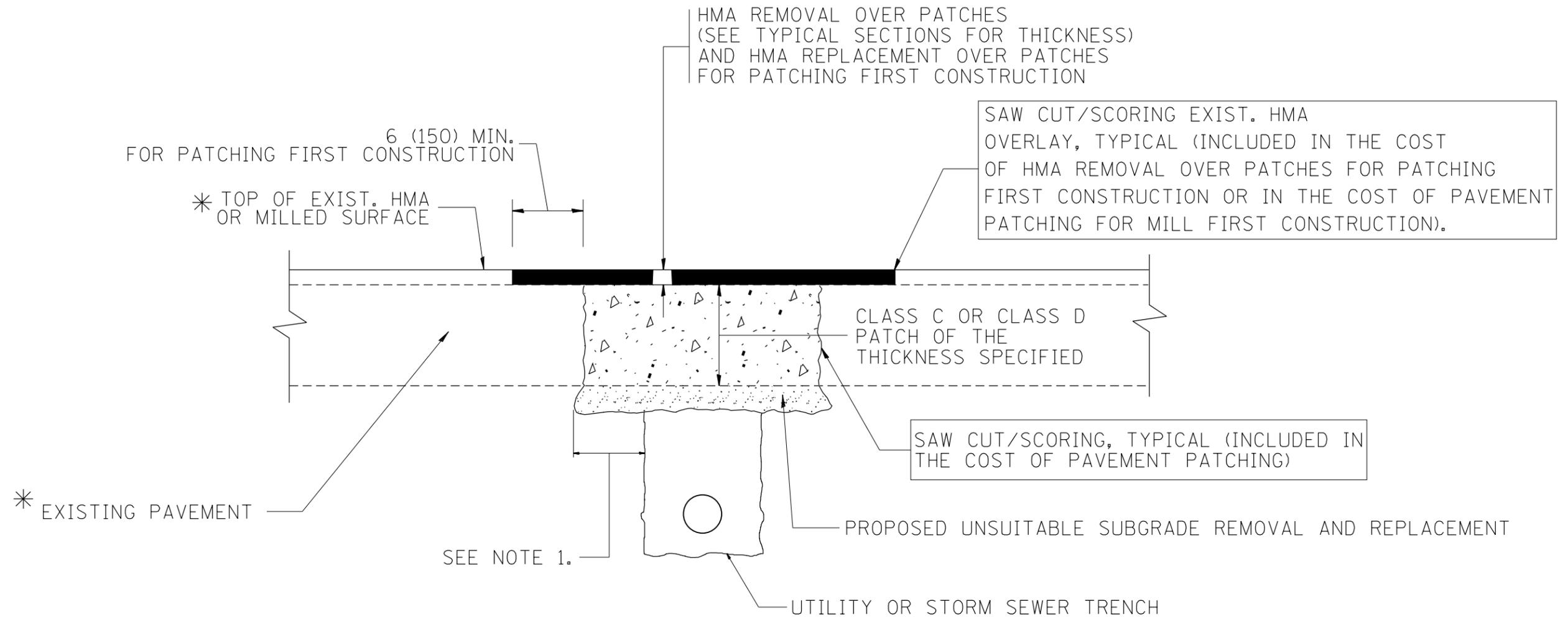
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = alawnehab	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 6/28/2019	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 NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	34
BD600-03 (BD-8)			CONTRACT NO. 62J04	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME =	USER NAME = alawnehab	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	559	2019-026-R5	COOK	46	35
		PLOT SCALE = 100.0000' / 1in.	REVISED - R. BORO 09-04-07					BD400-04 (BD-22)		CONTRACT NO.		62104		
		PLOT DATE = 6/28/2019	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT									

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

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

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

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

18" (450) MAX.

1/4" (5) **

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

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

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

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

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

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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

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

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

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

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

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

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

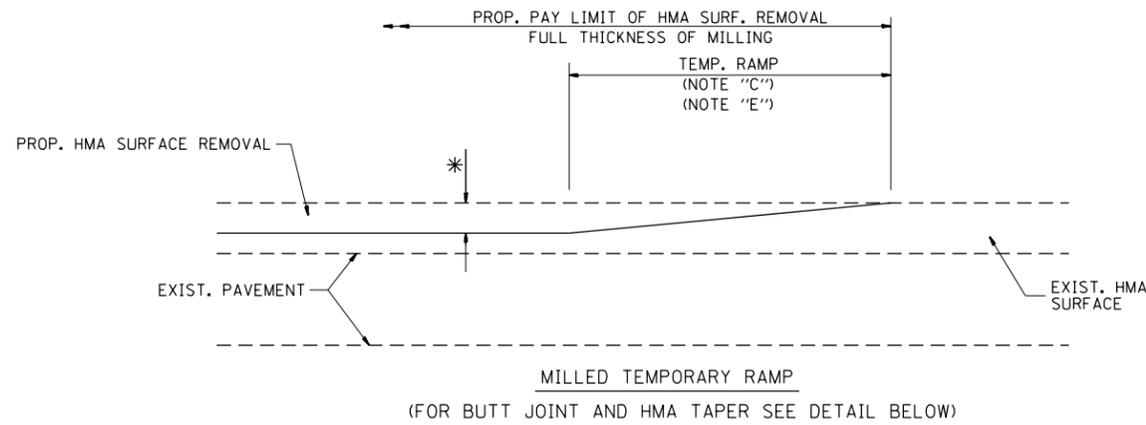
BASIS OF PAYMENT:

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

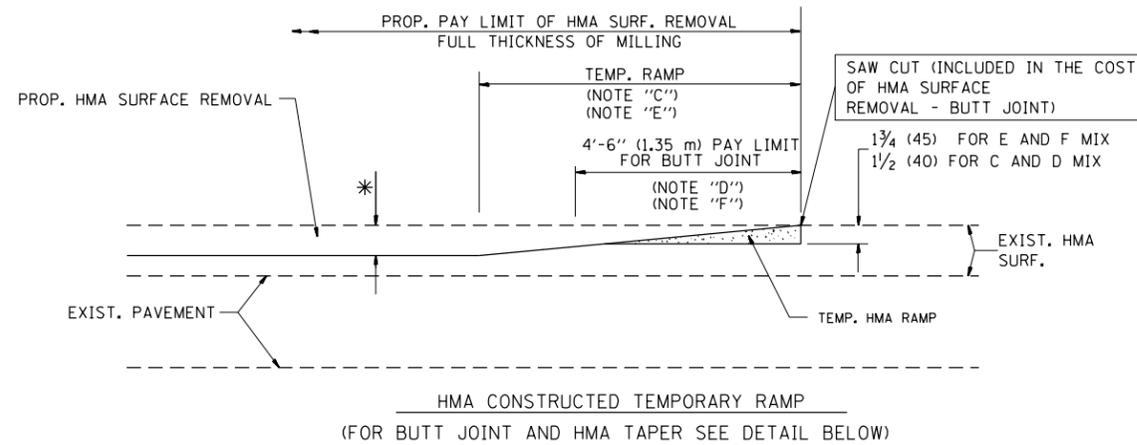
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = alawnehab	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\Drawings\Design\DistStd.dgn		REVISION	REVISED - A. ABBAS 03-21-97			559	2019-026-R5	COOK	46	36
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 01-22-01				BD600-06 (BD-24)		CONTRACT NO.		62104
PLOT DATE = 6/28/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

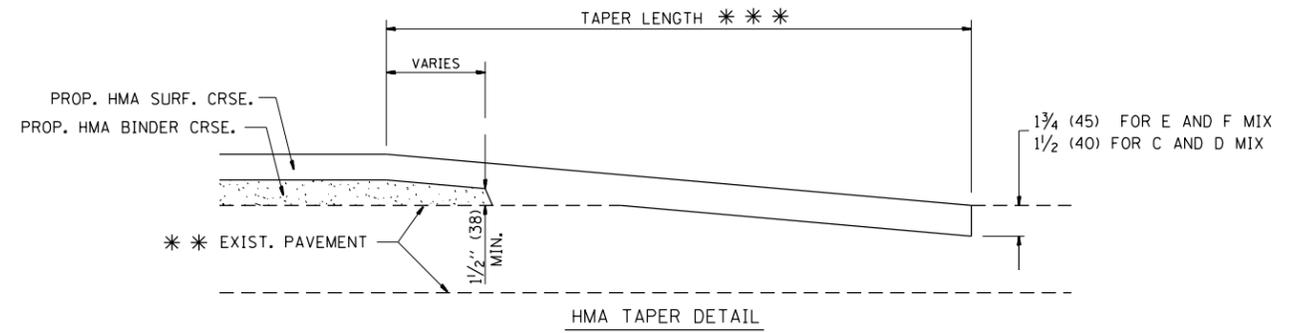
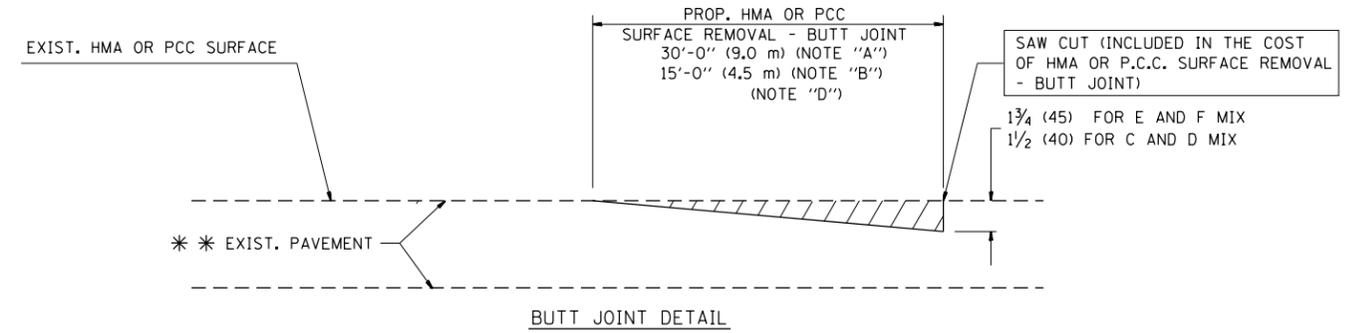


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

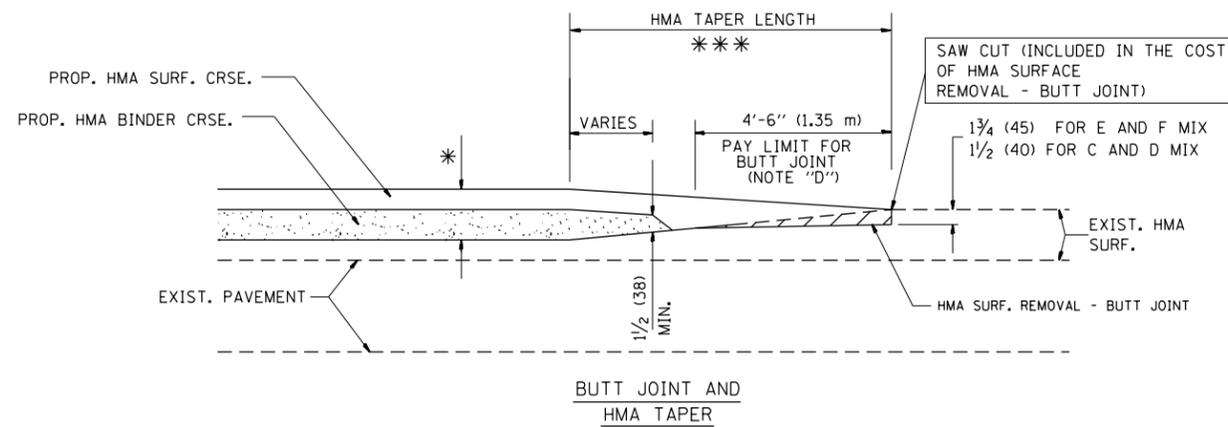
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



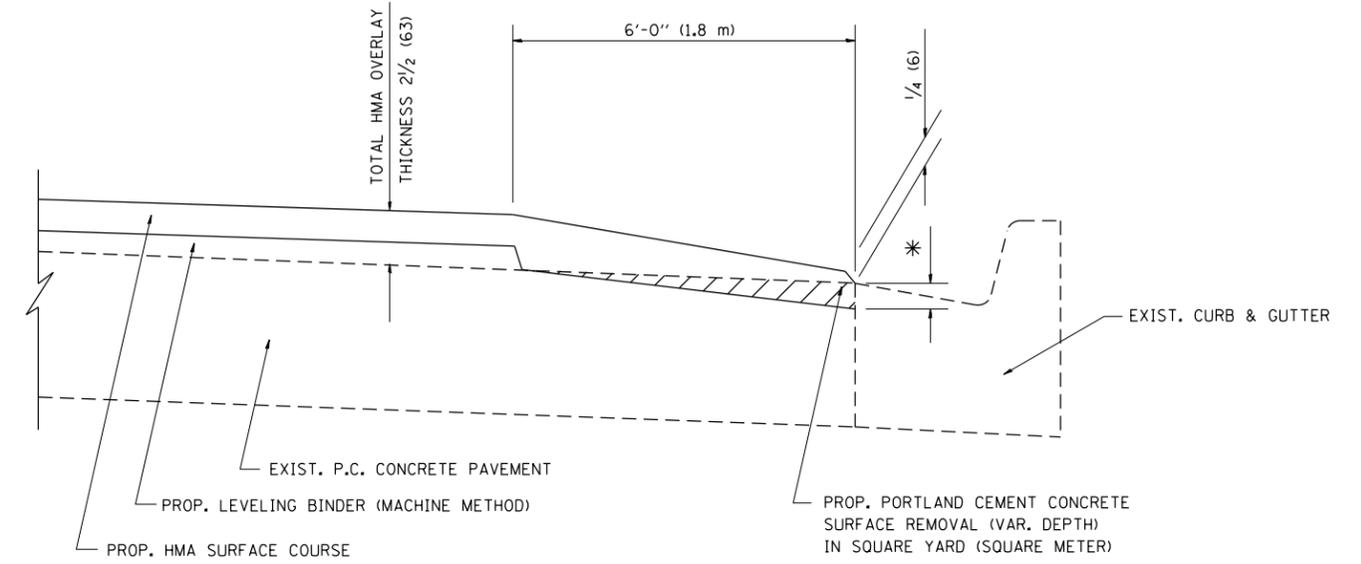
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = alawnehab	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\Drawings\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97
		CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	37
BD400-05 BD32		CONTRACT NO.	62104	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

HMA SURFACE	THICKNESS	LEVELING BINDER	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1 1/2 (38)	1 (25)	1 1/4 (33)	
E	1 3/4 (44)	3/4 (19)	1 1/2 (38)	

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

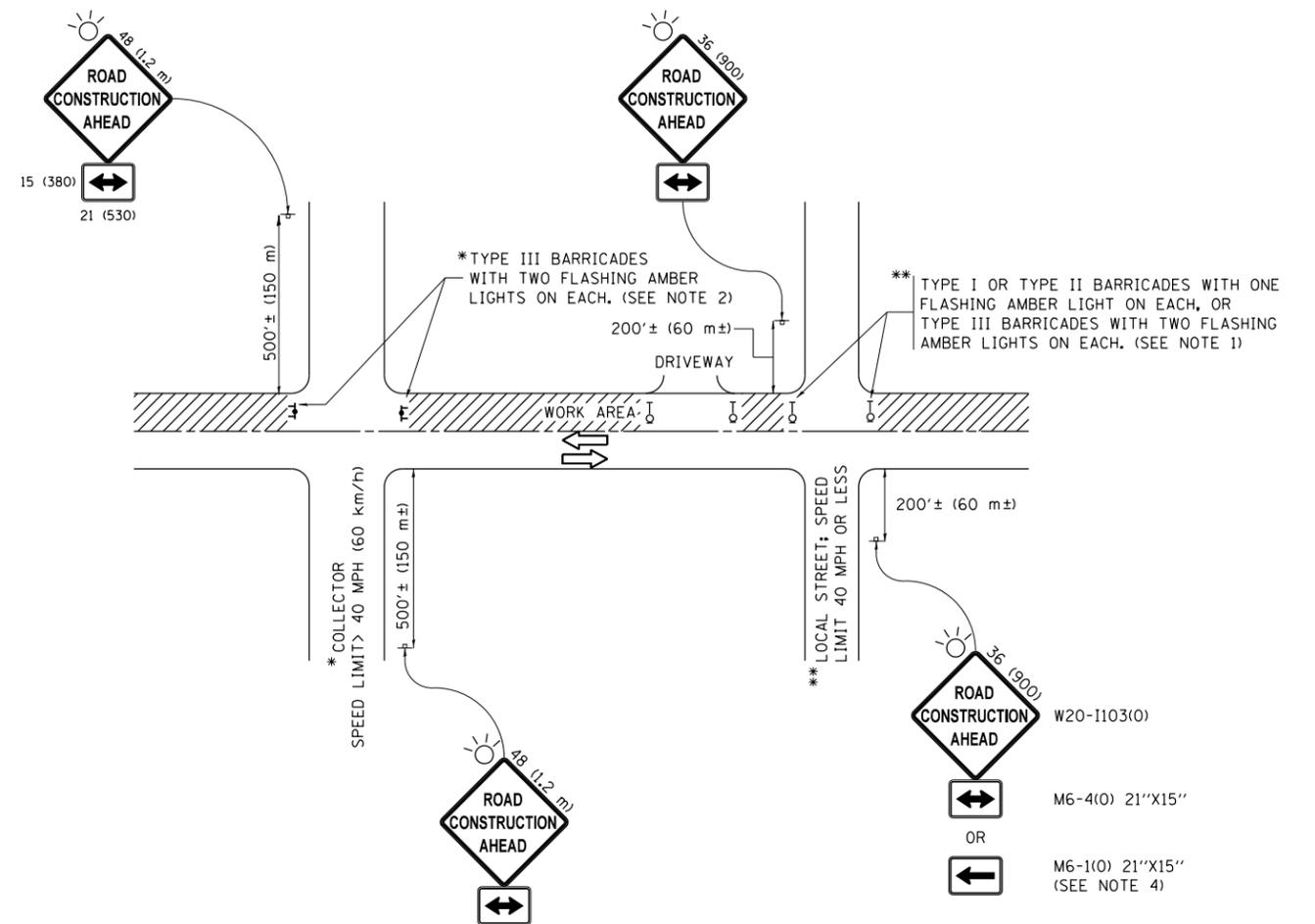
FILE NAME =	USER NAME = alawnehab	DESIGNED - R. SHAH	REVISED - A. ABBAS 05-05-9
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\DRAWING\Design\Dist1.dgn			REVISED - E. GOMEZ 12-21-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED - A. ABBAS	REVISED - R. BORO 01-01-07
	PLOT DATE = 6/28/2019	DATE - 09-10-94	REVISED - JP CHANG 07-08-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	38
BD400-06 (BD33)		CONTRACT NO.	62104	
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

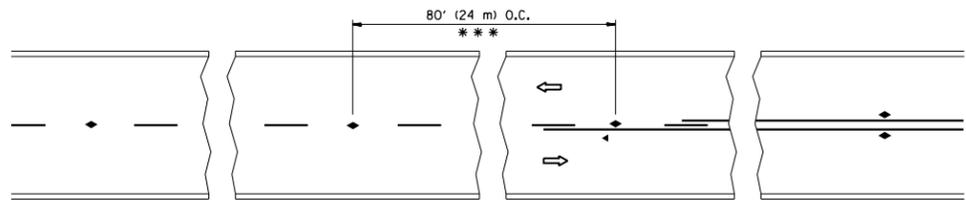
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pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\011471\DRAWING\Design\DistStd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 6/28/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

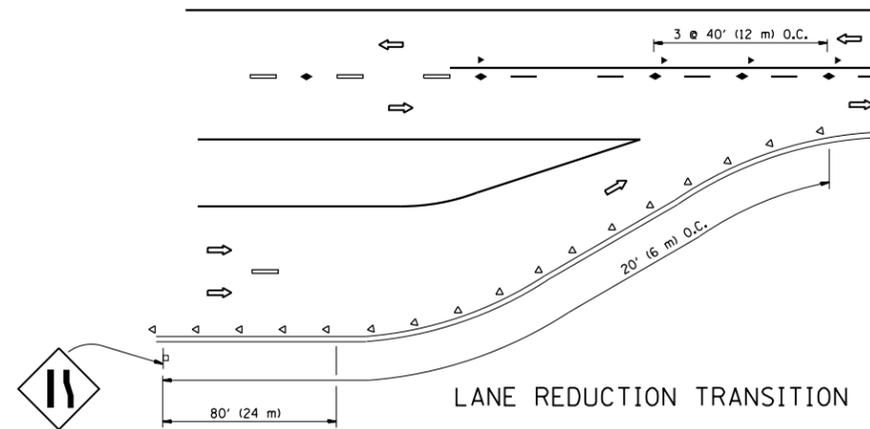
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	39
TC-10			CONTRACT NO.	62104
ILLINOIS FED. AID PROJECT				

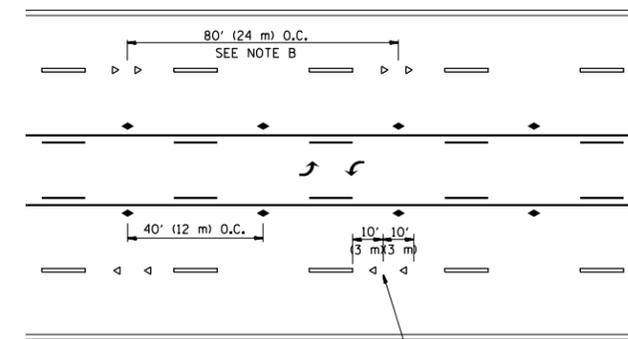


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

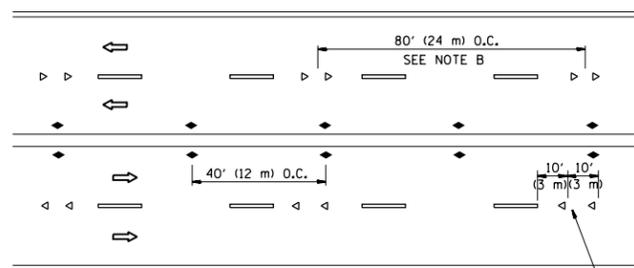
TWO-LANE/TWO-WAY



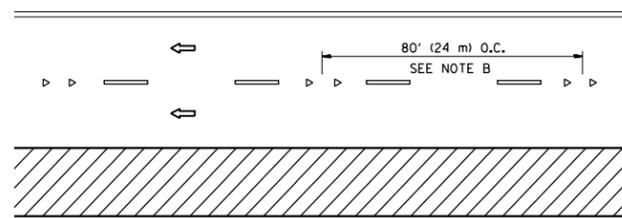
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

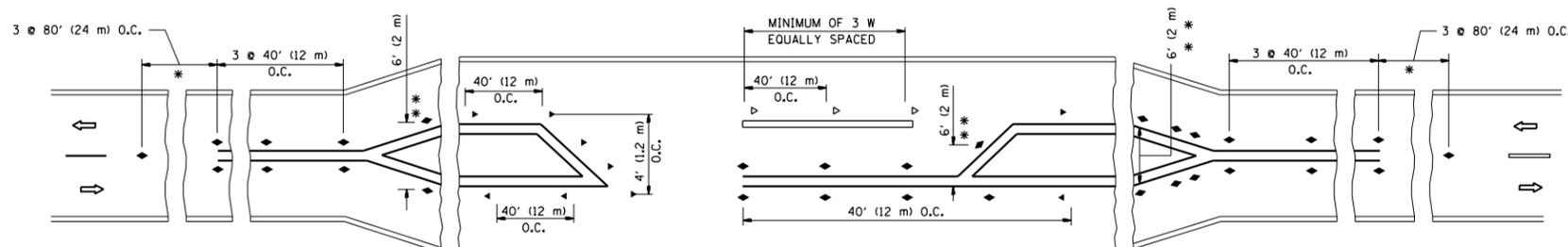
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

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

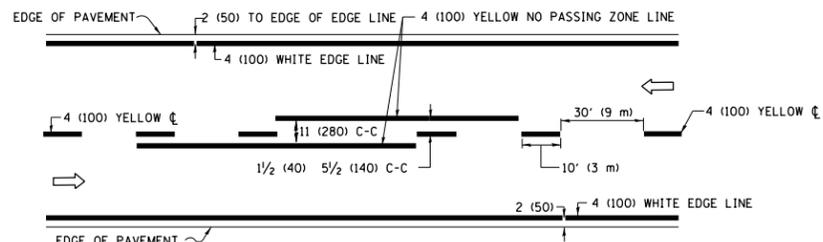
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pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\DRAWING\Design\DistStd.dgn		CHECKED -	REVISED - T. RAMMACHER 03-12-99
		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

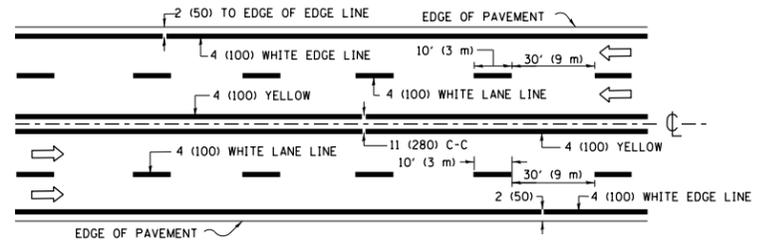
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

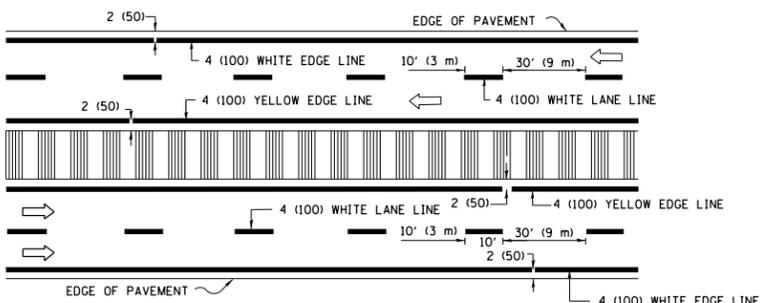
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	40
TC-11			CONTRACT NO. 62104	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

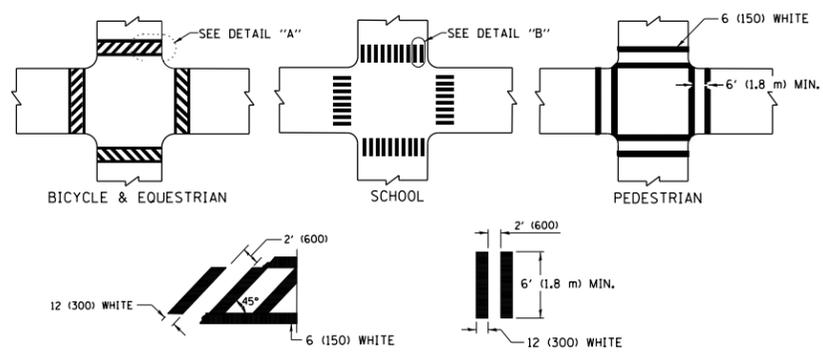


MULTI-LANE UNDIVIDED



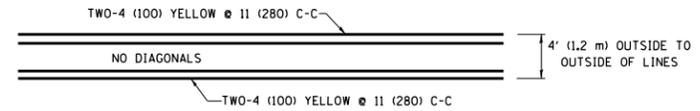
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

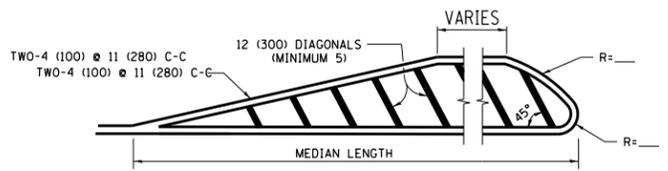


TYPICAL CROSSWALK MARKING

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

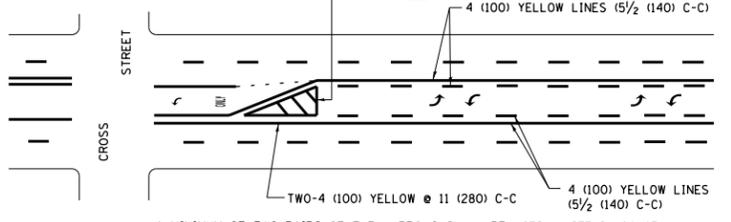


4' (1.2 m) WIDE MEDIANS ONLY

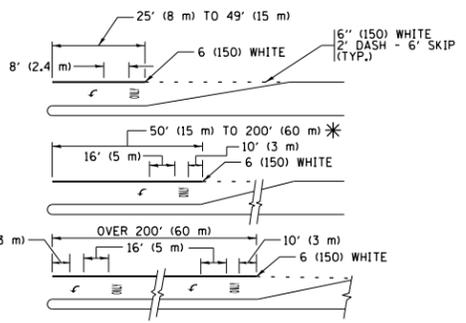


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



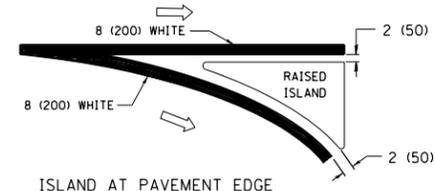
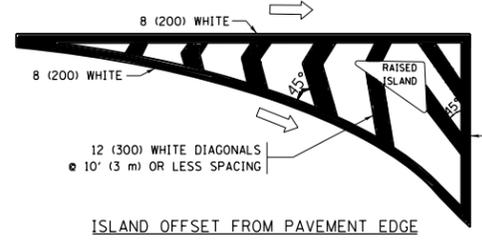
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



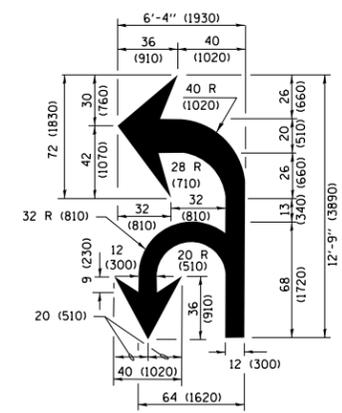
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

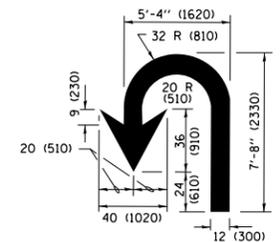
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = alawnehab	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw:\planroom.dot.illinois.gov\PIDOT\Documents\1007 Offices\District 1\Projects\011471\DRAWING\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 6/28/2019		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	41
TC-13		CONTRACT NO.	62104	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

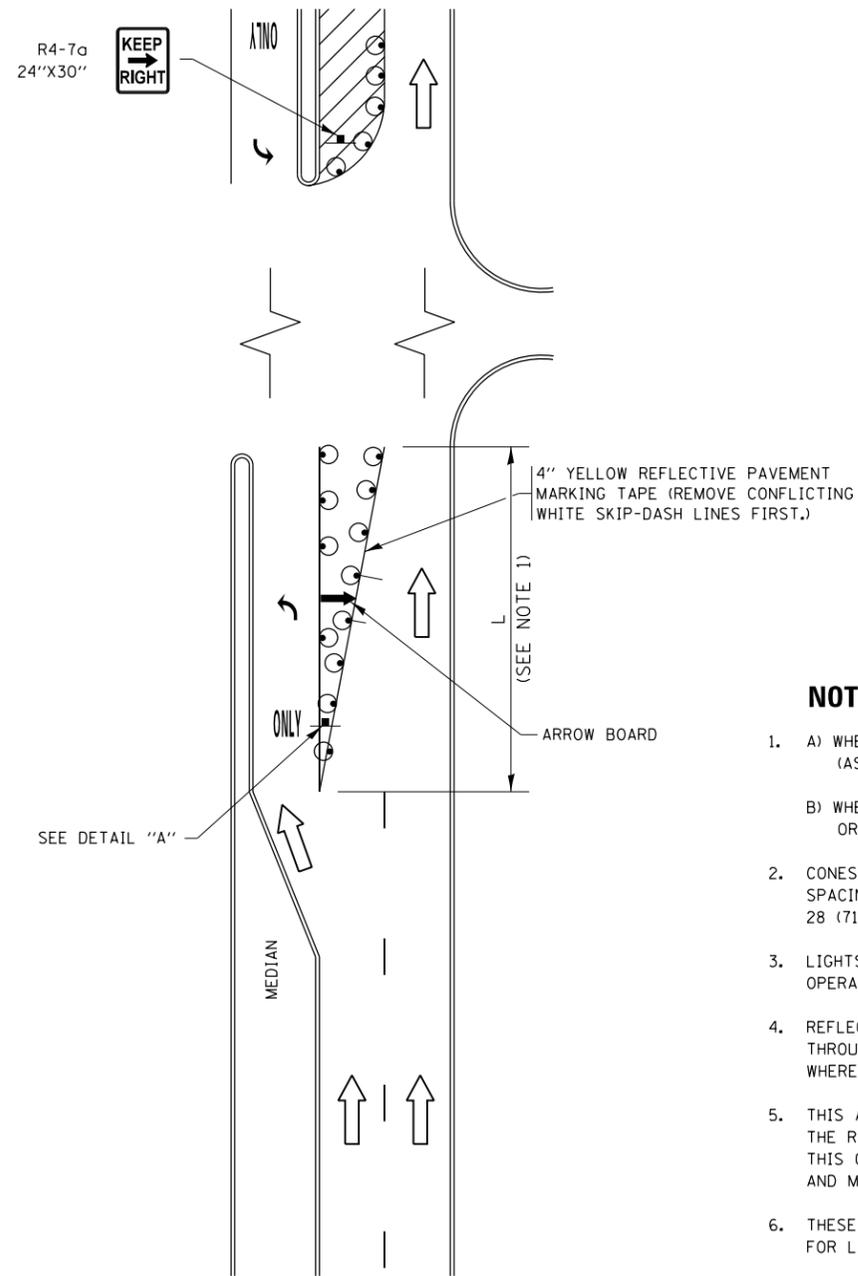


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

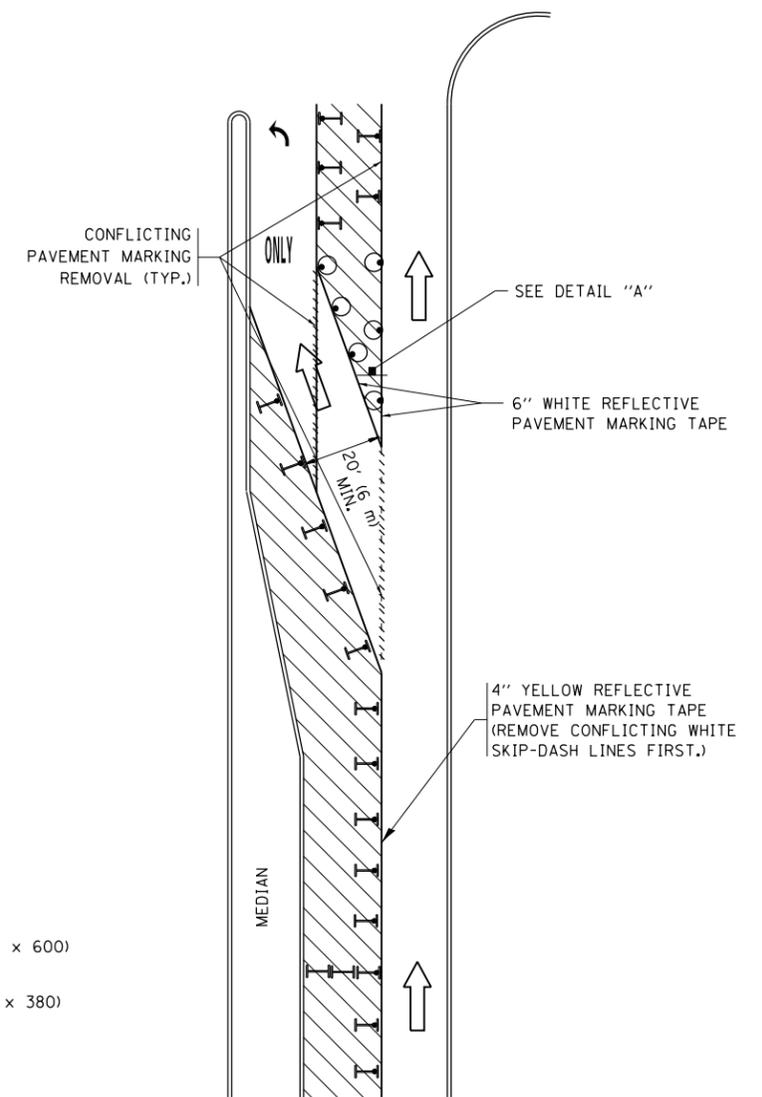
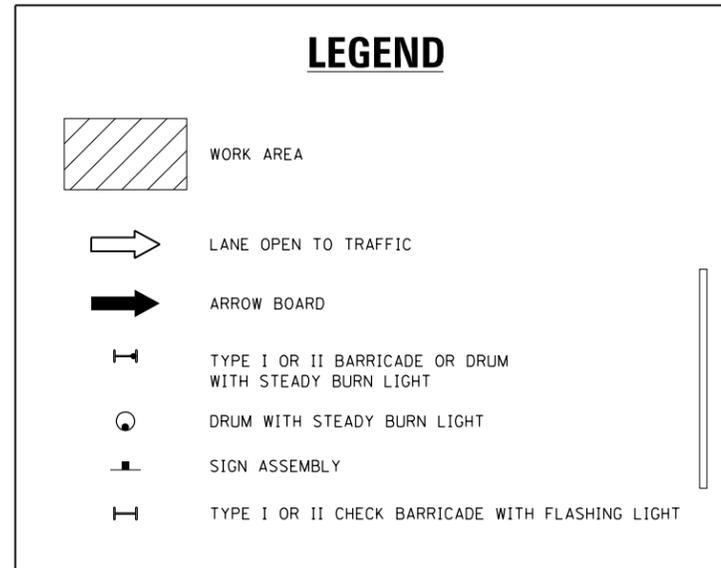
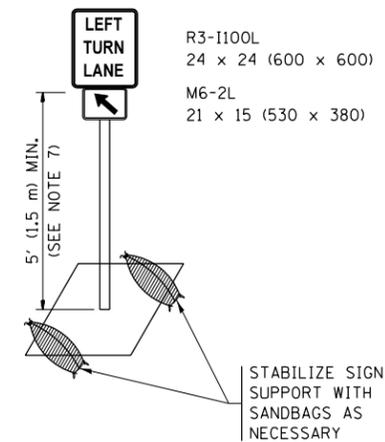


FIGURE 2



NOTES:

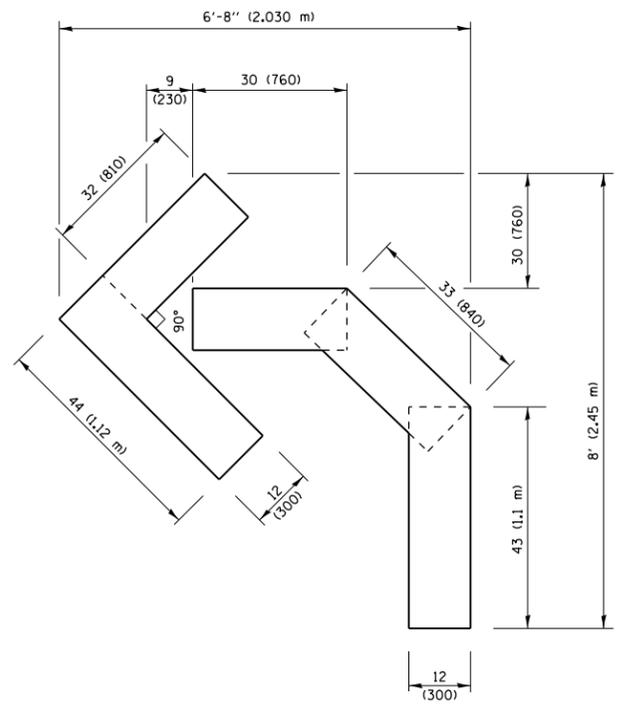
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



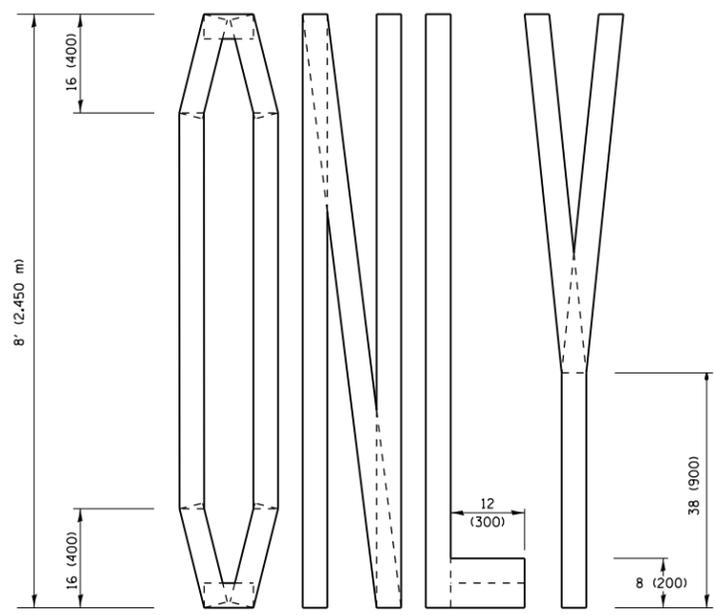
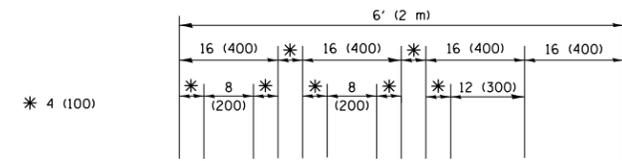
DETAIL A

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

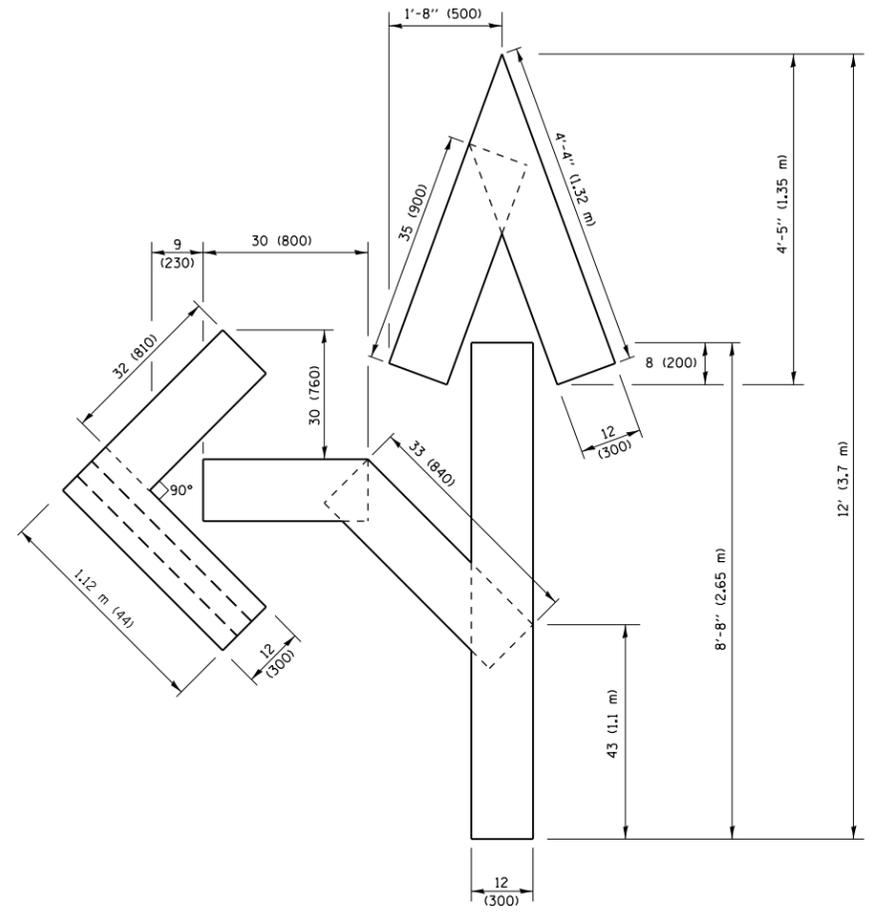
FILE NAME =	USER NAME = alawneh	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\REVISED Design\Drawings\11-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			559	2019-026-R5	COOK	46	42
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO.		62104
	PLOT DATE = 6/28/2019	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.



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

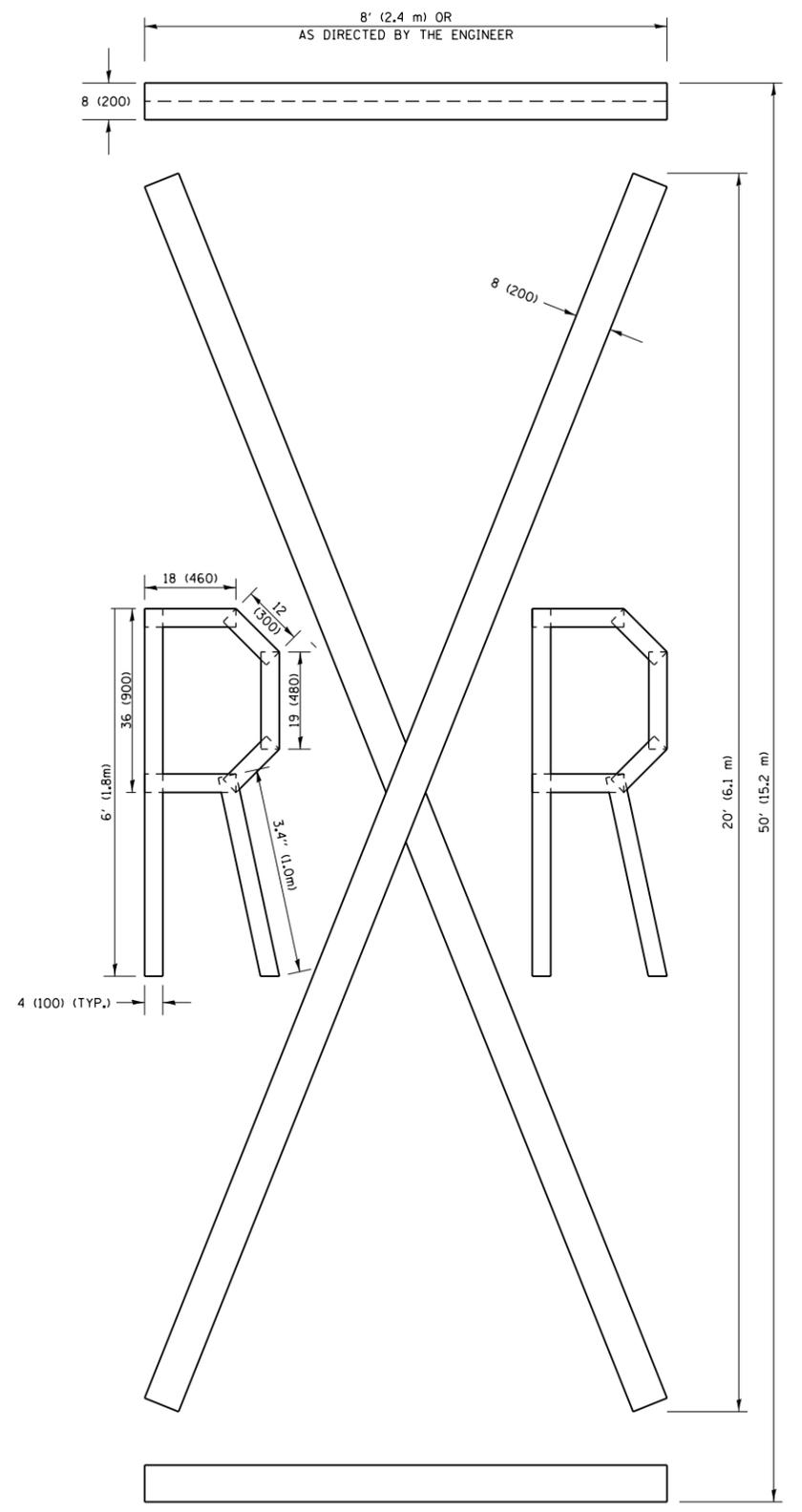


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

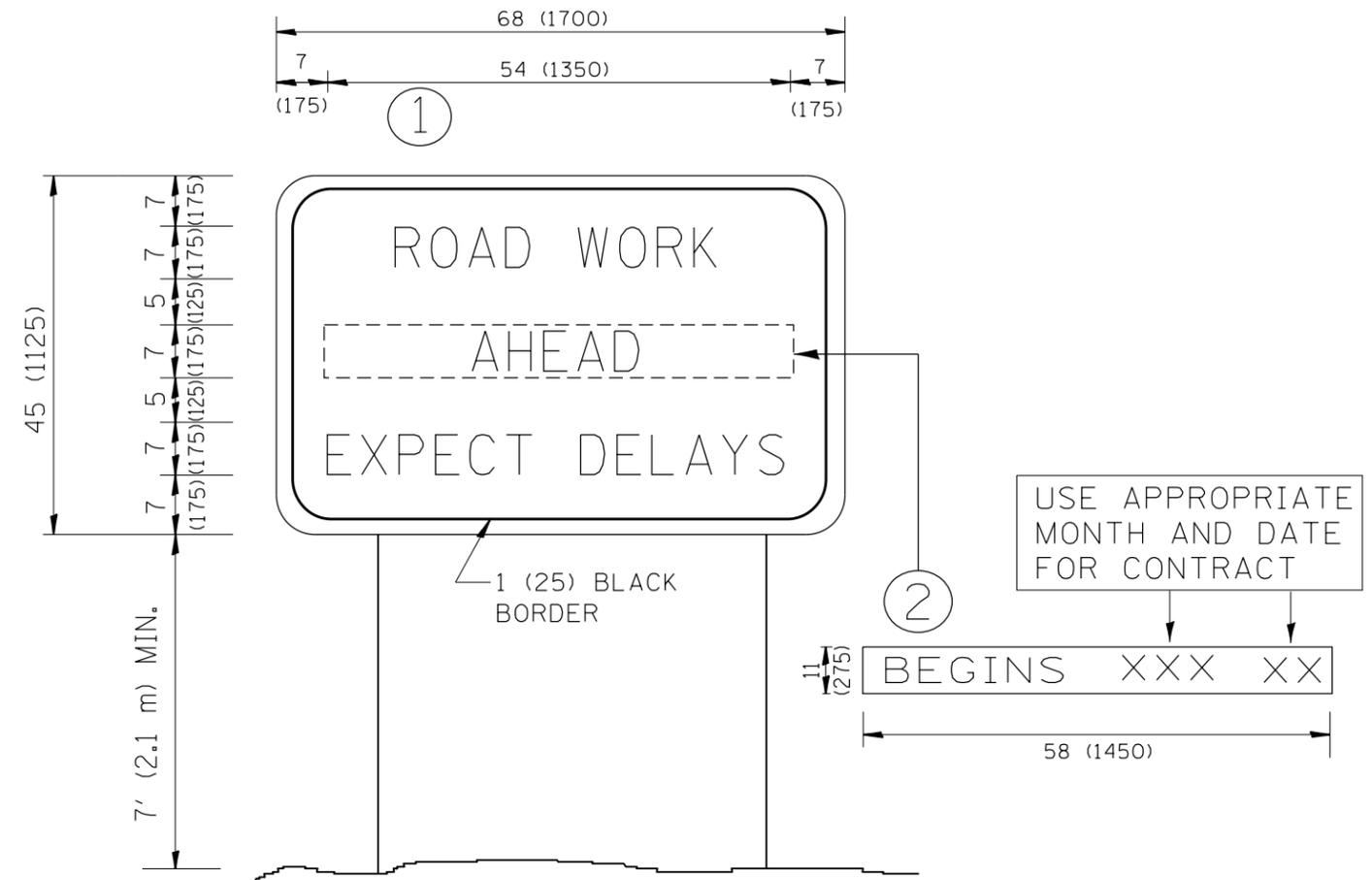
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = alawnehab	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pw:\planroom.dot\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\011471\DRAWING\Design\DistStd.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE -	REVISED -E. GOMEZ 08-28-00
			REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2019-026-R5	COOK	46	43
TC-16		CONTRACT NO.	62104	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

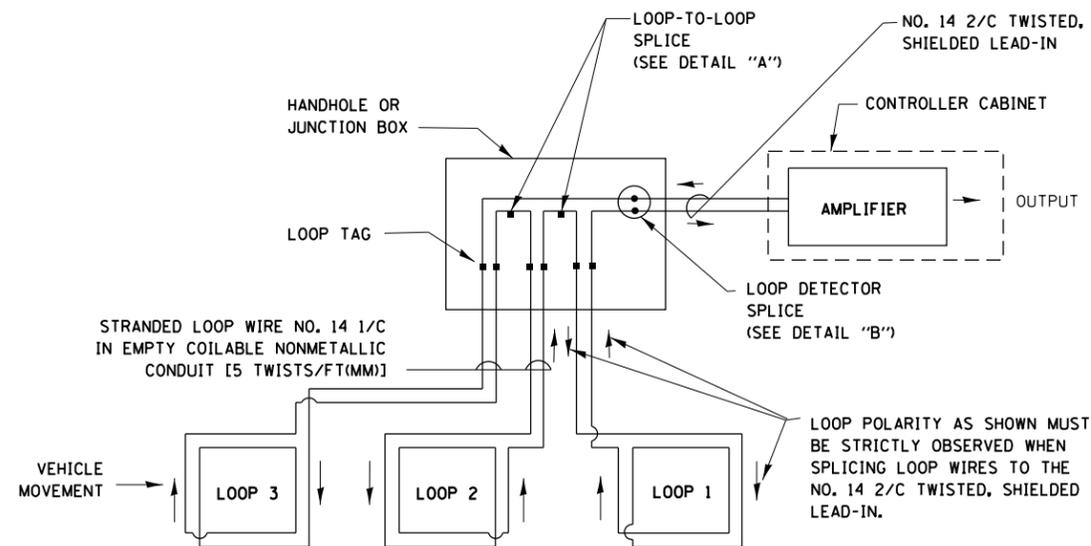
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FILE NAME =	USER NAME = alawnehab	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\DRAWING\Design\DistStd.dgn	DRAWN	REVISED - R. MIRS 12-11-97	559			2019-026-R5	COOK	46	44	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO.		62104		
PLOT DATE = 6/28/2019	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		

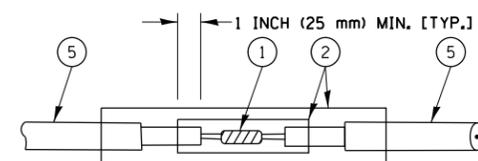
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

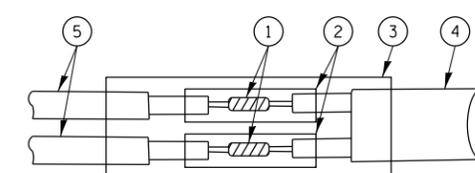


DETECTOR LOOP WIRING SCHEMATIC

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



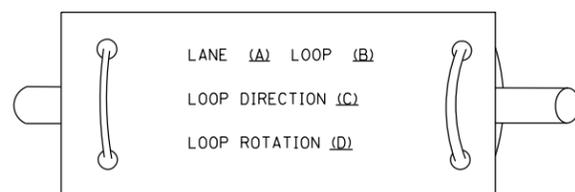
**DETAIL "A"
LOOP-TO-LOOP SPLICE**



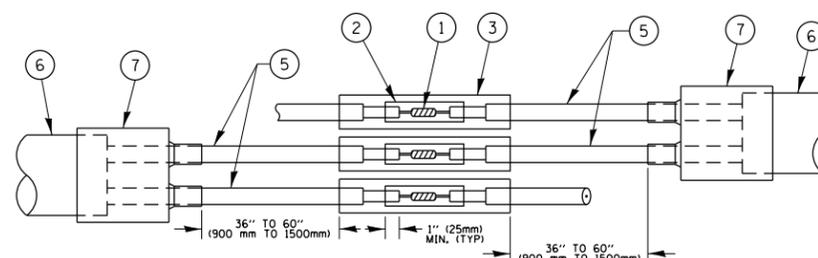
**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP

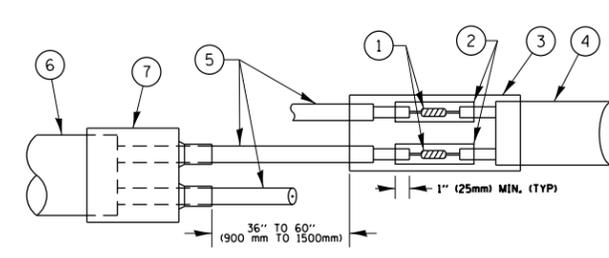
LOOP LEAD-IN CABLE TAG



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



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

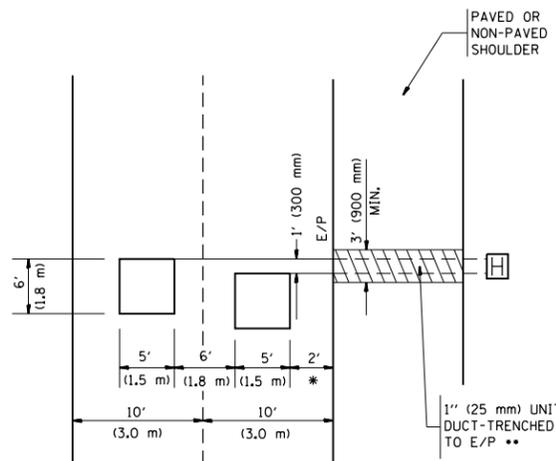
PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

LOOPS NEXT TO SHOULDERS

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



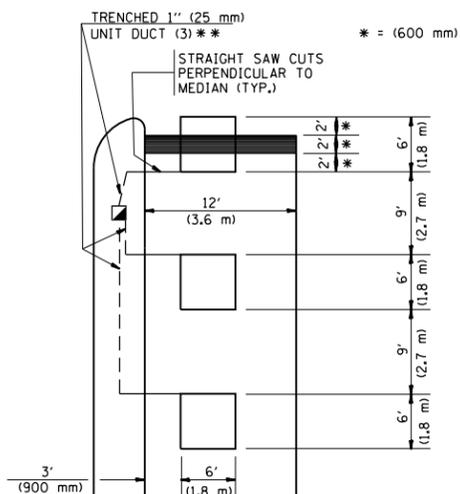
* = (600 mm)

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

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

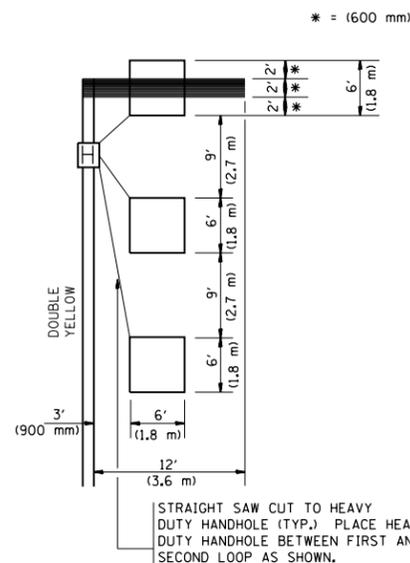


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

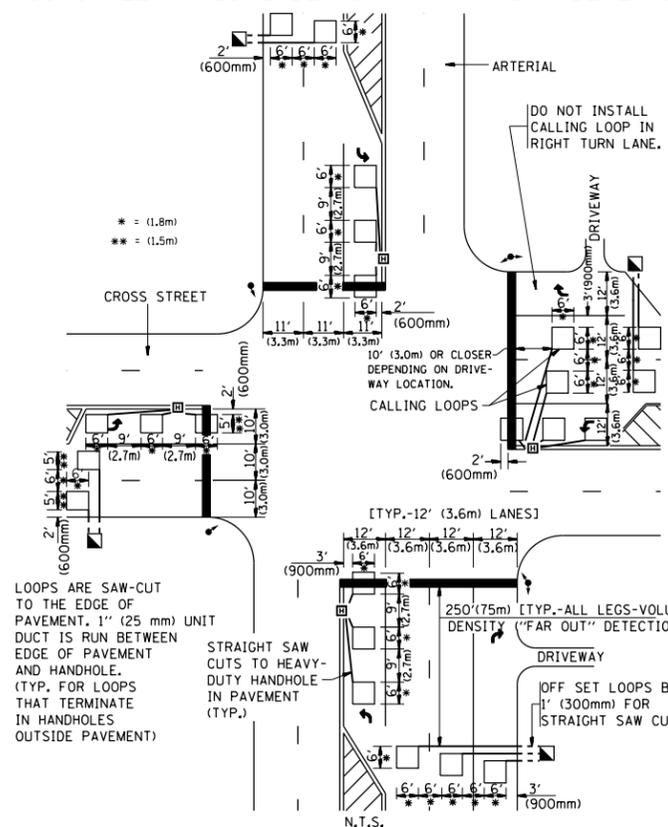
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



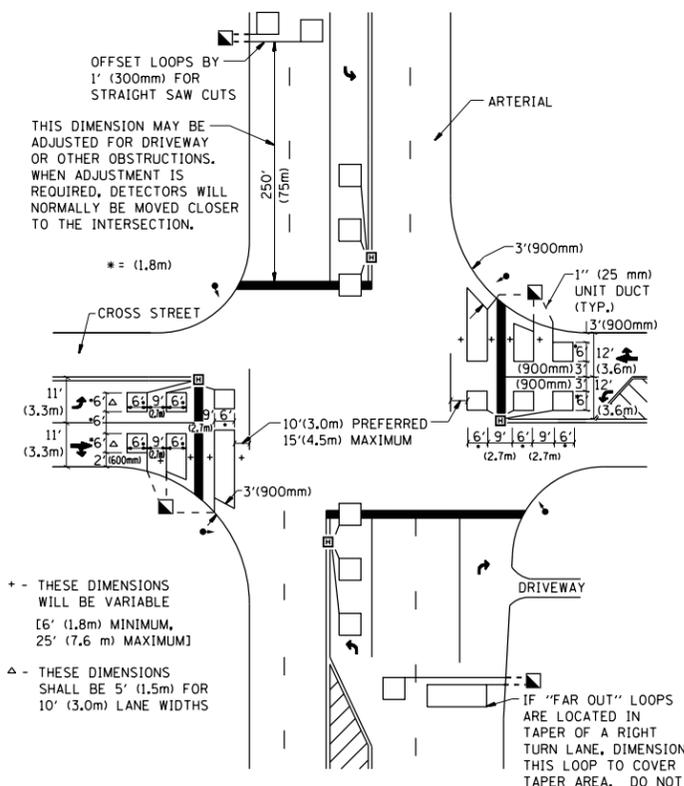
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

FILE NAME =	USER NAME = alawnehab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0114719\Drawings\Design\DistStd.dgn		CHECKED - R.K.F.	REVISED -			559	2019-026-R5	COOK	46	46
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED -			TS-07		CONTRACT NO.		62104
PLOT DATE = 6/28/2019						SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				