

009

01-17-2020 LETTING ITEM 009

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

O.R. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-RS&SW	COOK	28	1
ILLINOIS			CONTRACT NO. 62J45	

D-91-200-19



FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN  
THE CITY OF CHICAGO

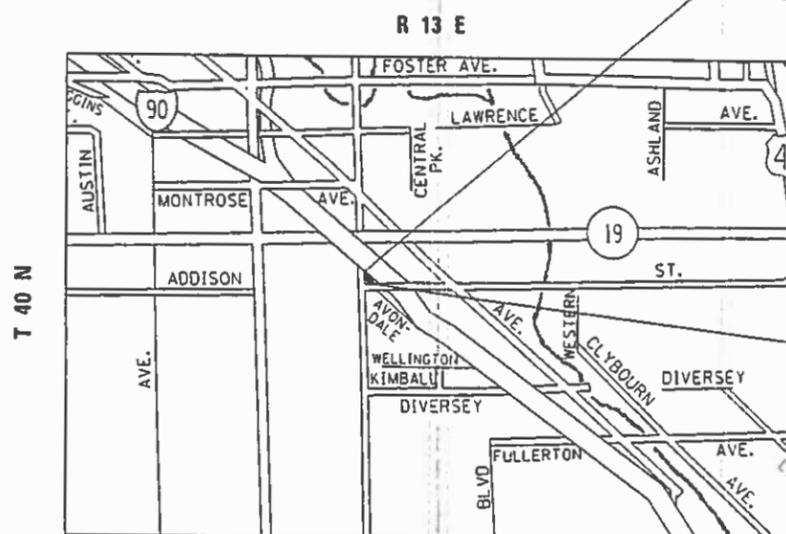
# PROPOSED HIGHWAY PLANS

O.R. ROUTE 303: AVONDALE AVE  
PULASKI RD TO ADDISON ST  
SECTION: 2019-079-RS&SW  
PROJECT: STP-1ET9(375)  
DESIGNED OVERLAY AND PEDESTRIAN RAMPS  
COOK COUNTY

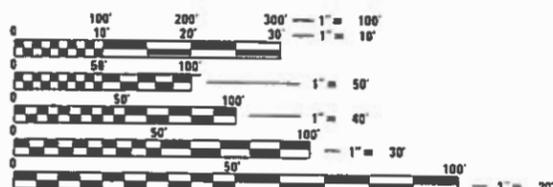
TRAFFIC DATA:  
ADT NOT AVAILABLE  
SPEED LIMIT = 30 MPH

C-91-433-19

PROJECT BEGINS  
STA 11+85



PROJECT ENDS  
STA 37+19



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

GROSS LENGTH = 2534 FT. = 0.48 MILE  
NET LENGTH = 2534 FT. = 0.48 MILE

CONTRACT NO. 62J45

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *December 15, 2019*

*Anthony G. Danahy* REGIONAL ENGINEER

*Dec 16 2019*

*Dec 19 2019* ENGINEER OF DESIGN AND ENVIRONMENT

*Paul G. Chy* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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28	DRIVEWAY ENTRANCE SIGNAGE (TC-26)

**STATE STANDARDS**

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-05	FRAMES AND LIDS TYPE 1
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS- DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
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 KYLIE VORGIN, AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT KYLIE.VORGIN@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.
- CTA TRAFFIC PLANNING MUST BE NOTIFIED AT LEAST 30 DAYS IN ADVANCE OF THE TIME THAT CONSTRUCTION WILL COMMENCE AT TRAFFIC.PLANNING@TRANSITCHICAGO.COM.
- THE CONTRACTOR SHALL RELOCATE THE EXISTING CTA BUS STOP SIGNS AT THE APPROXIMATE EXISTING LOCATION AFTER THE COMPLETION OF THE SIDEWALK IMPROVEMENT.
- ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.
- PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.
- ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND LIDS ON SEWER STRUCTURES, SHALL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND LIDS.
- OPEN LID DRAINAGE STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THIS ROADWAY WITHOUT THE WRITTEN PERMISSION FROM THE CITY OF CHICAGO.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY OF CHICAGO AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE EXTRA CARE AND PRECAUTION WHEN REPAIRING THE CONCRETE CURB AND GUTTER AT LOCATIONS WHERE EXISTING TREES ARE PRESENT.
- CURB RAMPS AND LANDING (KEystone) TO BE CONSTRUCTED WITH 8" THICK CONCRETE AT ALL TRAFFIC SIGNALIZED INTERSECTIONS AND INDUSTRIAL STREET INTERSECTIONS. AT ALL OTHER LOCATIONS, 5" THICK CONCRETE TO BE USED.
- THE CONTRACTOR SHALL SAW CUT AROUND FRAME AND LID ADJUSTMENTS AS DIRECTED BY THE CITY OF CHICAGO STANDARDS. SAW CUTS SHALL BE INCIDENTAL TO THE FRAME AND LIDS TO BE ADJUSTED PAY ITEM.
- THE NEW FRAME AND LID CASTINGS SHALL FOLLOW THE CHICAGO WATER AND SEWER STANDARDS AND THE CASTINGS OVER MANHOLES SHALL BE HEAVY DUTY.

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) 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 CITY OF CHICAGO.
- 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 -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND INDEX SHEET AVONDALE AVE. (PULASKI RD. - ADDISON ST.)</b>			O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLLOT DATE = 10/18/2019	DATE -	REVISED -		SCALE: NONE			SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	
											CONTRACT NO. 62J45		

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE			
20100110	TREE REMOVAL ( 6 TO 15 UNITS DIAMETER)	UNIT	120	120				
20100210	TREE REMOVAL ( OVER 15 UNITS DIAMETER)	UNIT	50	50				
20200100	EARTH EXCAVATION	CU YD	25	25				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	198	198				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2	2				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2	2				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2				
25200110	SODDING, SALT TOLERANT	SO YD	198	198				
25200200	SUPPLEMENTAL WATERING	UNIT	2	2				
40600290	BITUMINOUS MATERIALS ( TACK COAT)	POUND	7306	7306				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	190	190				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	367	367				
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	1265	1265				

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE			
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1195	1195				
42001300	PROTECTIVE COAT	SO YD	438	438				
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	15	15				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	1390	1390				
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SO FT	1066	1066				
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	1342	1342				
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SO YD	10823	10823				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	15	15				
44000600	SIDEWALK REMOVAL	SO FT	2467	2467				
44002220	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5"	SO YD	1311	1311				
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SO YD	33	33				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	176	176				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	131	131				
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	877	877				

\* = SPECIALTY ITEMS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J45	

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1				
60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	17	17				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3110	3110				

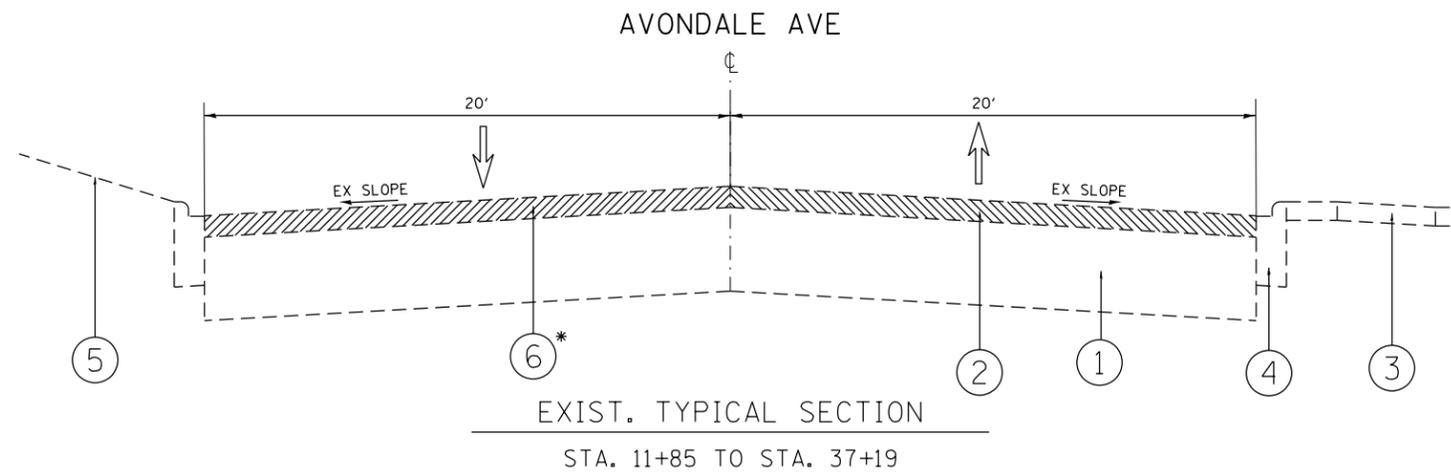
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CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1040	1040				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	612	612				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	275	275				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	280	280				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	780	780				
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	612	612				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	275	275				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	280	280				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	117	117				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	216	216				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	20	20				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1160	1160				

\* = SPECIALTY ITEMS



**LEGEND**

- ① EXISTING P.C.C. PAVEMENT, ±9"
- ② EXISTING HOT MIX ASPHALT PAVEMENT, ±5"
- ③ EXISTING P.C.C. SIDEWALK, 5" (TYP.)
- ④ EXISTING COMB. CONCRETE CURB AND GUTTER
- ⑤ EXISTING PARKWAY
- ⑥ PROPOSED HMA SURFACE REMOVAL, 3.75"
- ⑦ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 2"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1 3/4"



**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ NDes	QMP
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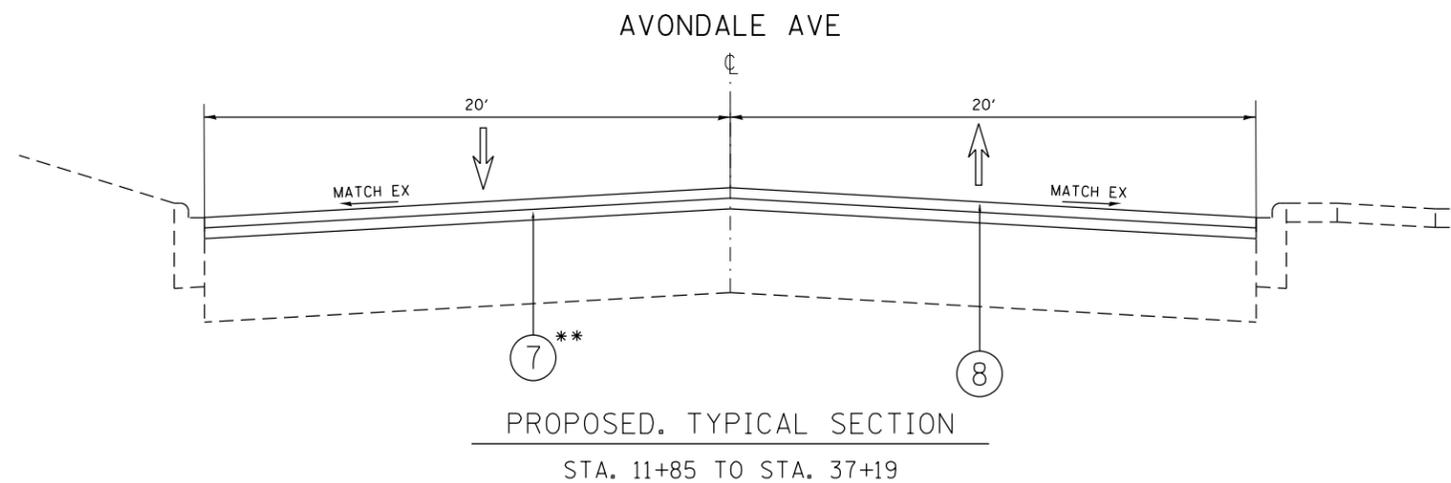
*ROADWAY RESURFACING:*

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	4% AT 70 GYR.	QC / QA
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	4% AT 70 GYR.	QC / QA

*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)



**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 HMA BINDER IL-9.5".

\* FOR PARKING LANES : PROPOSED HMA SURFACE REMOVAL IS 1 3/4".

\*\* PLACE ONLY FOR MAINLINE & SIDESTREETS.

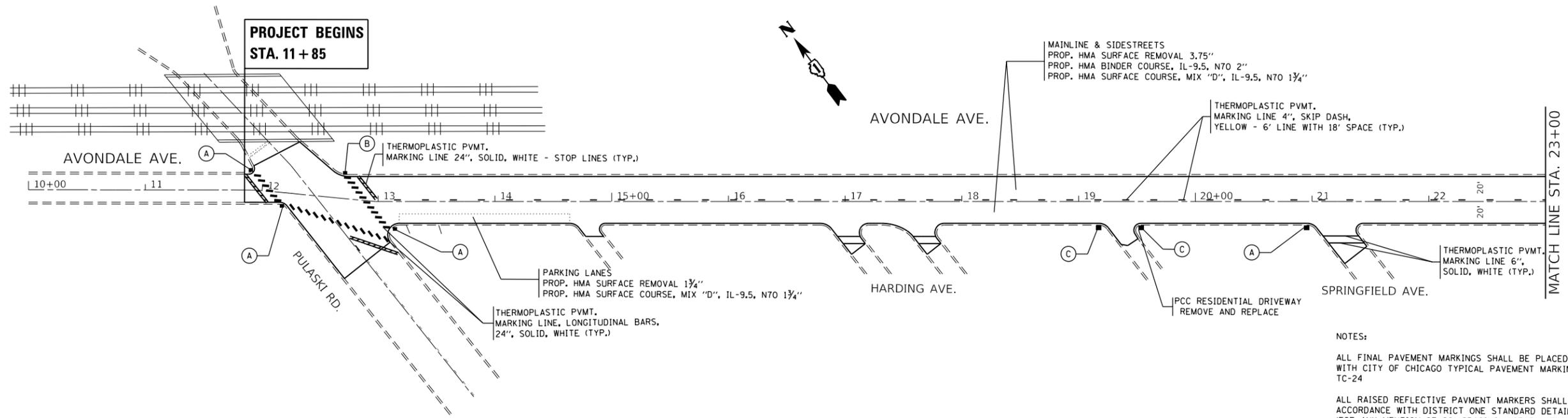
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
AVONDALE AVE. (PULASKI RD. - ADDISON ST.)**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

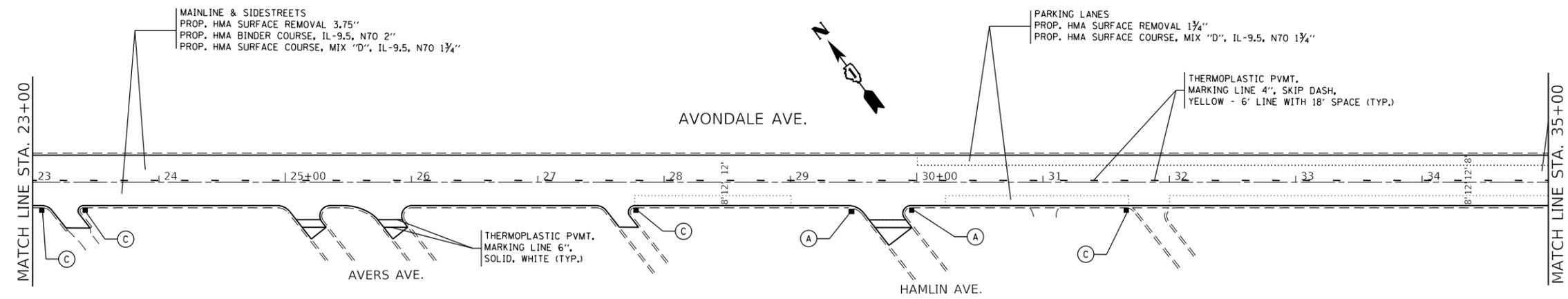
O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	6
			CONTRACT NO. 62J45	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS DETAIL TC-24

ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-11 (FOR ANY MENTION OF 80' SPACING, USE 72'. FOR ANY MENTION OF 40' SPACING, USE 36'.)



SIDEWALK LEGEND	
(A)	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
(B)	PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
(C)	PROP. CURB RAMP IMPROVEMENT, SEE PD-01

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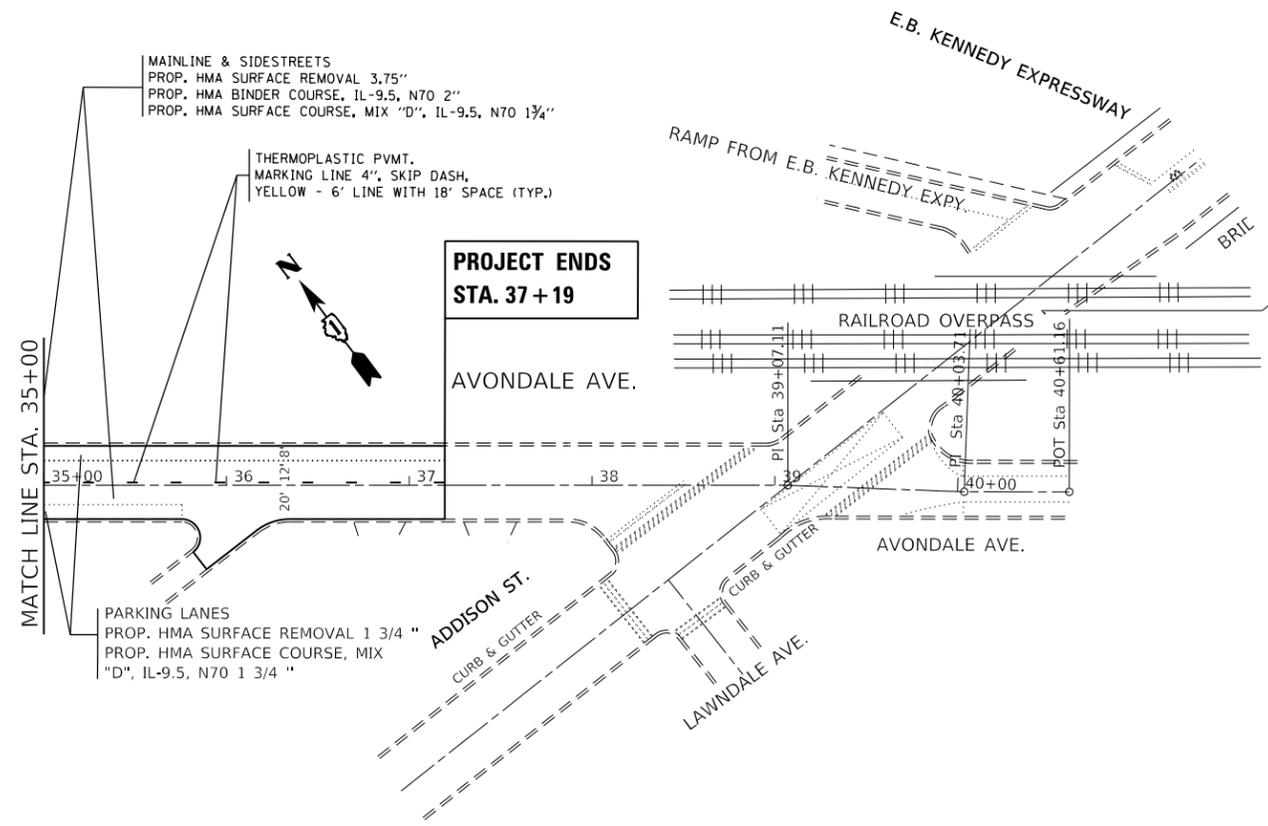
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS**  
**AVONDALE AVE. (PULASKI RD. - ADDISON ST.)**

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

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	7
CONTRACT NO. 62J45				
ILLINOIS FED. AID PROJECT				



MAINLINE & SIDESTREETS  
 PROP. HMA SURFACE REMOVAL 3.75"  
 PROP. HMA BINDER COURSE, IL-9.5, N70 2"  
 PROP. HMA SURFACE COURSE, MIX "D", IL-9.5, N70 1 3/4"

THERMOPLASTIC PVMT.  
 MARKING LINE 4", SKIP DASH,  
 YELLOW - 6' LINE WITH 18" SPACE (TYP.)

**PROJECT ENDS  
 STA. 37 + 19**

PARKING LANES  
 PROP. HMA SURFACE REMOVAL 1 3/4 "  
 PROP. HMA SURFACE COURSE, MIX  
 "D", IL-9.5, N70 1 3/4 "

NOTES:  
 ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS DETAIL TC-24  
 ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-11 (FOR ANY MENTION OF 80' SPACING, USE 72'. FOR ANY MENTION OF 40' SPACING, USE 36'.)

**SIDEWALK LEGEND**

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY
- (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-01

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PLOT DATE = 10/18/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

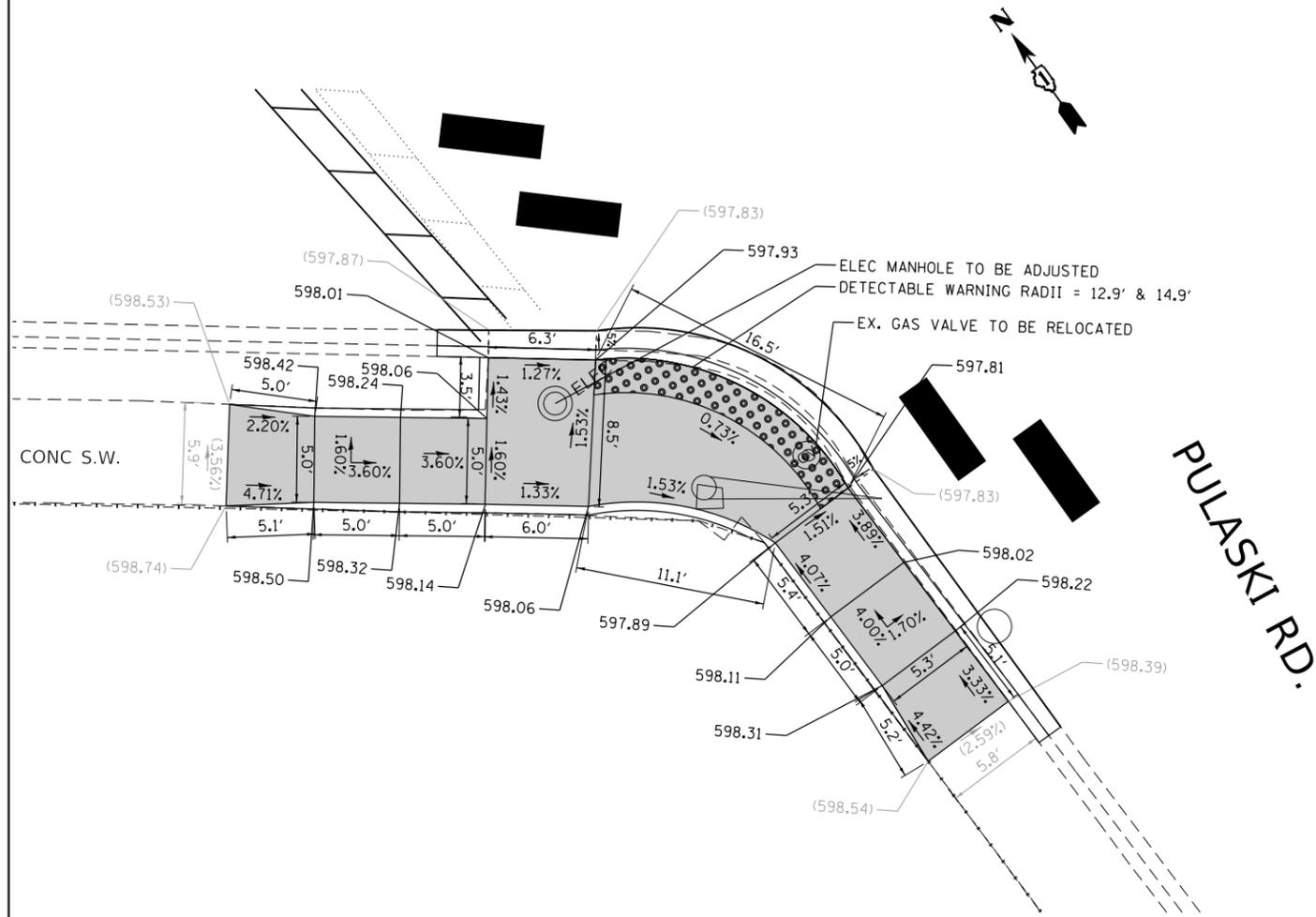
**ROADWAY AND PAVEMENT MARKING PLANS  
 AVONDALE AVE. (PULASKI RD. - ADDISON ST.)**

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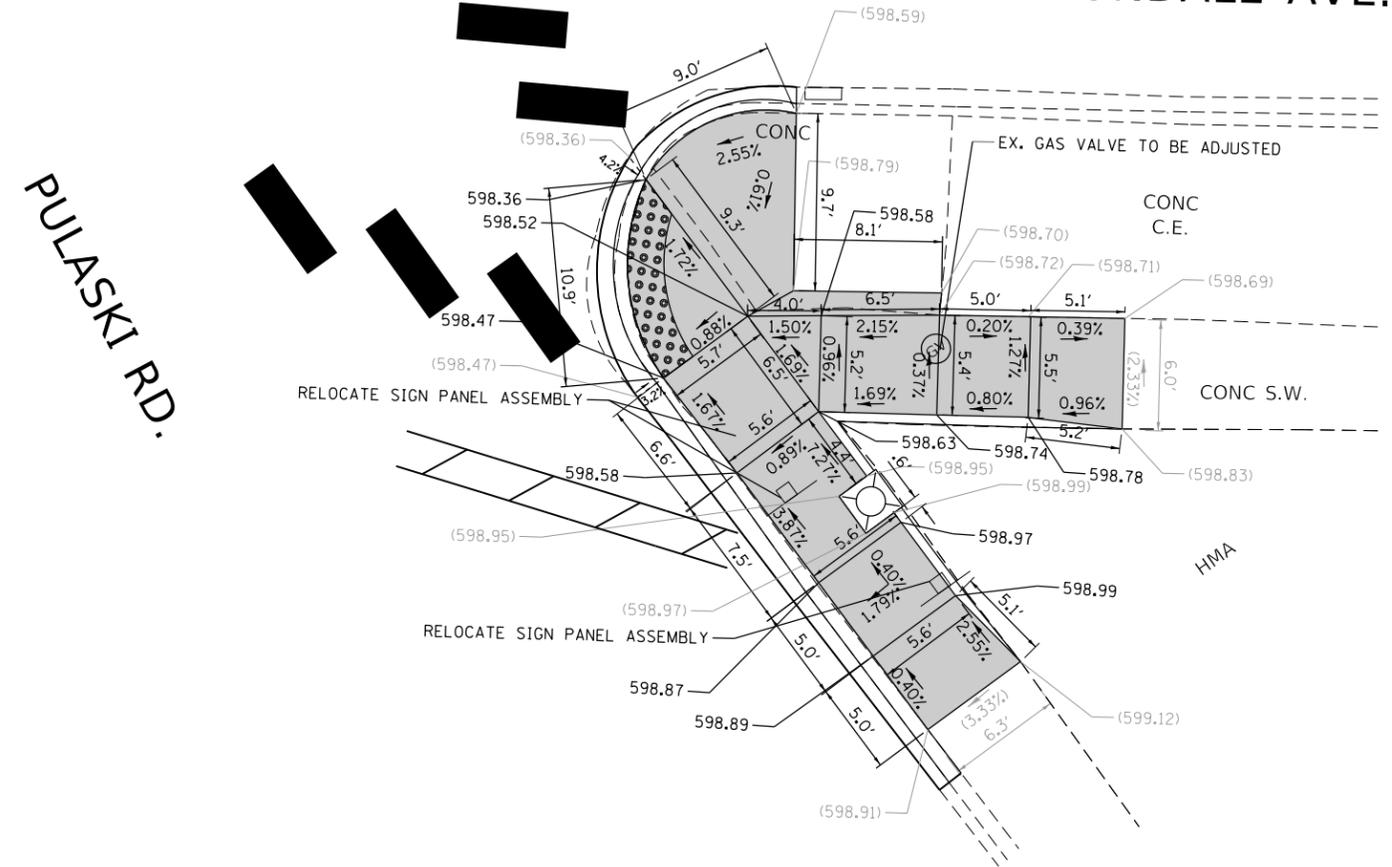
O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	8
CONTRACT NO. 62J45				
		ILLINOIS	FED. AID PROJECT	



N. AVONDALE AVE.



N. AVONDALE AVE.



**LEGEND**

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

REFERENCE BENCHMARK ELEV 600.305 FT.  
 BENCHMARK: "□" IN N.W CORNER OF CONCRETE BASE OF TRAFFIC CONTROL BOX.  
 LOCATION: SOUTHEAST CORNER OF AVONDALE AVE AND PULASKI RD.

REFERENCE BENCHMARK ELEV 600.305 FT.  
 BENCHMARK: "□" IN N.W CORNER OF CONCRETE BASE OF TRAFFIC CONTROL BOX.  
 LOCATION: SOUTHEAST CORNER OF AVONDALE AVE AND PULASKI RD.

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 PROJECT: 2019-079-R5&SW  
 OFFICE: CHICAGO  
 DATE: 10/18/2019

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

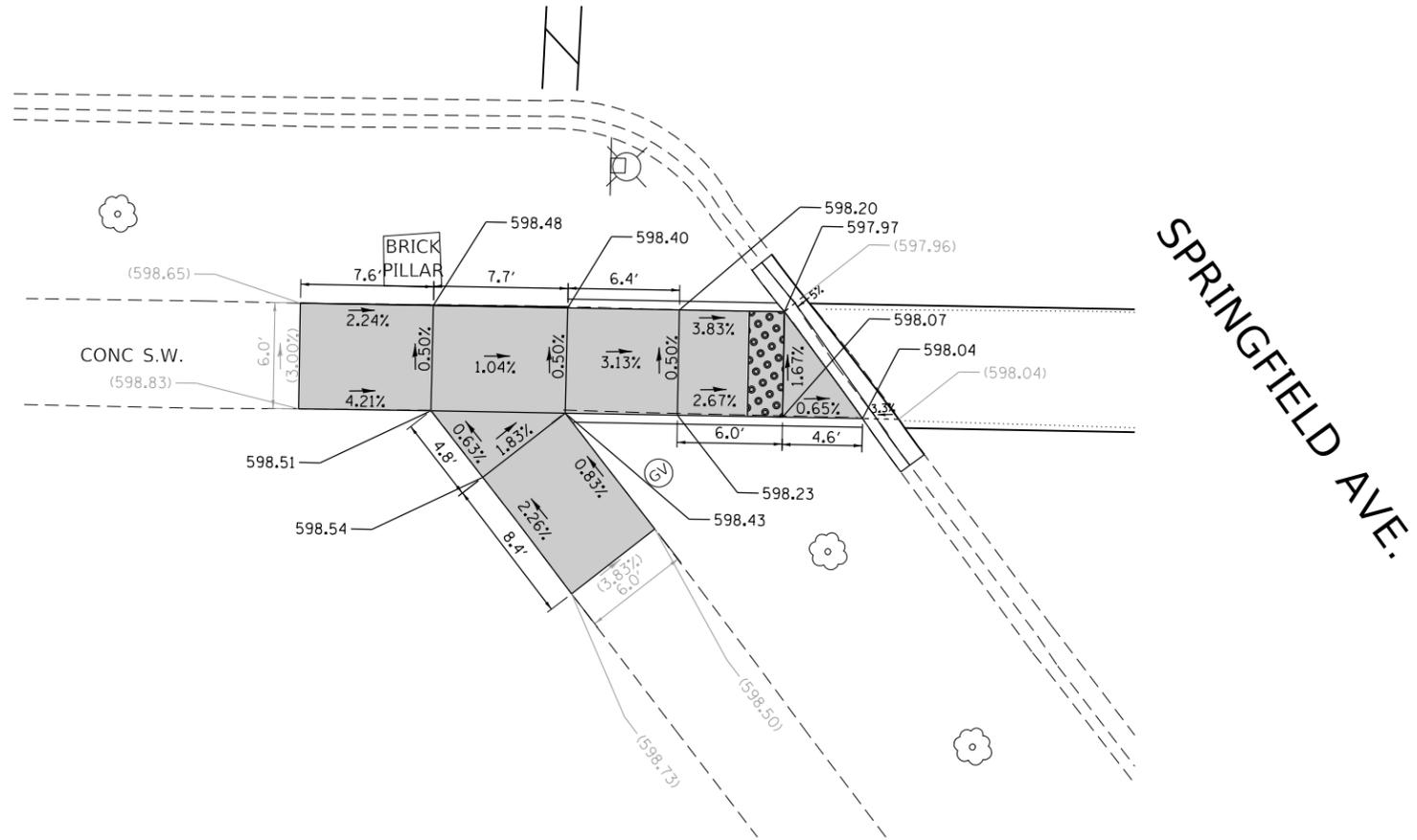
**AVONDALE AVE. (PULASKI RD. - ADDISON ST.)  
 SIDEWALK RAMP DETAIL: PULASKI RD. (SOUTHWEST & SOUTHEAST CORNERS)**

SCALE: SHEET OF SHEETS STA. TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J45	



N. AVONDALE AVE.



SPRINGFIELD AVE.

REFERENCE BENCHMARK ELEV 600.049 FT.  
 BENCHMARK: X-CUT ON S.E BOLT ON FIRE HYDRANT.  
 LOCATION: SOUTHEAST CORNER OF AVONDALE AVE AND SPRINGFIELD AVE.

**LEGEND**

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

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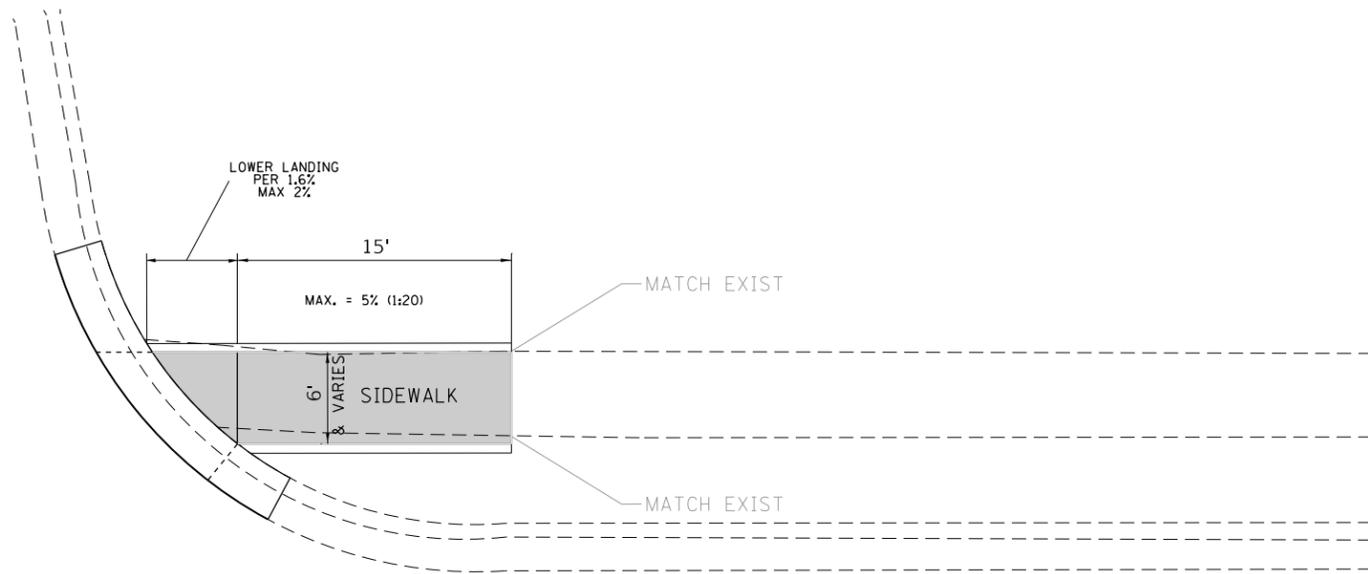
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

AVONDALE AVE. (PULASKI RD. - ADDISON ST.)  
 SIDEWALK RAMP DETAIL: SPRINGFIELD AVE. (SOUTHWEST CORNER).  
 SCALE: SHEET OF SHEETS STA. TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	11
CONTRACT NO. 62J45				
ILLINOIS FED. AID PROJECT				





NOTE:  
ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50)

**LEGEND**

 EXISTING CC&G  
 PROPOSED CURB/SIDE CURB  
 PROPOSED SIDEWALK

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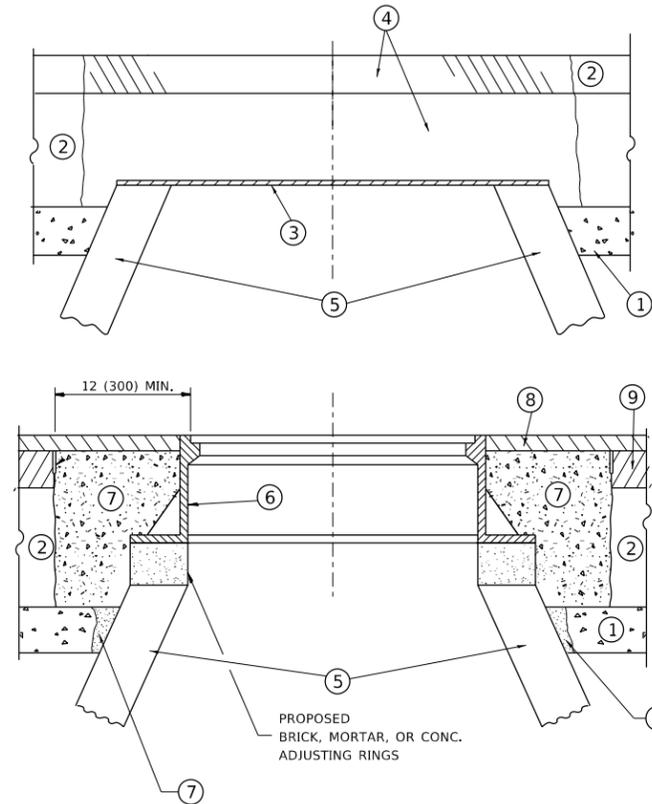
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-01)**

SCALE: SHEET OF SHEETS STA. TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J45	





**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

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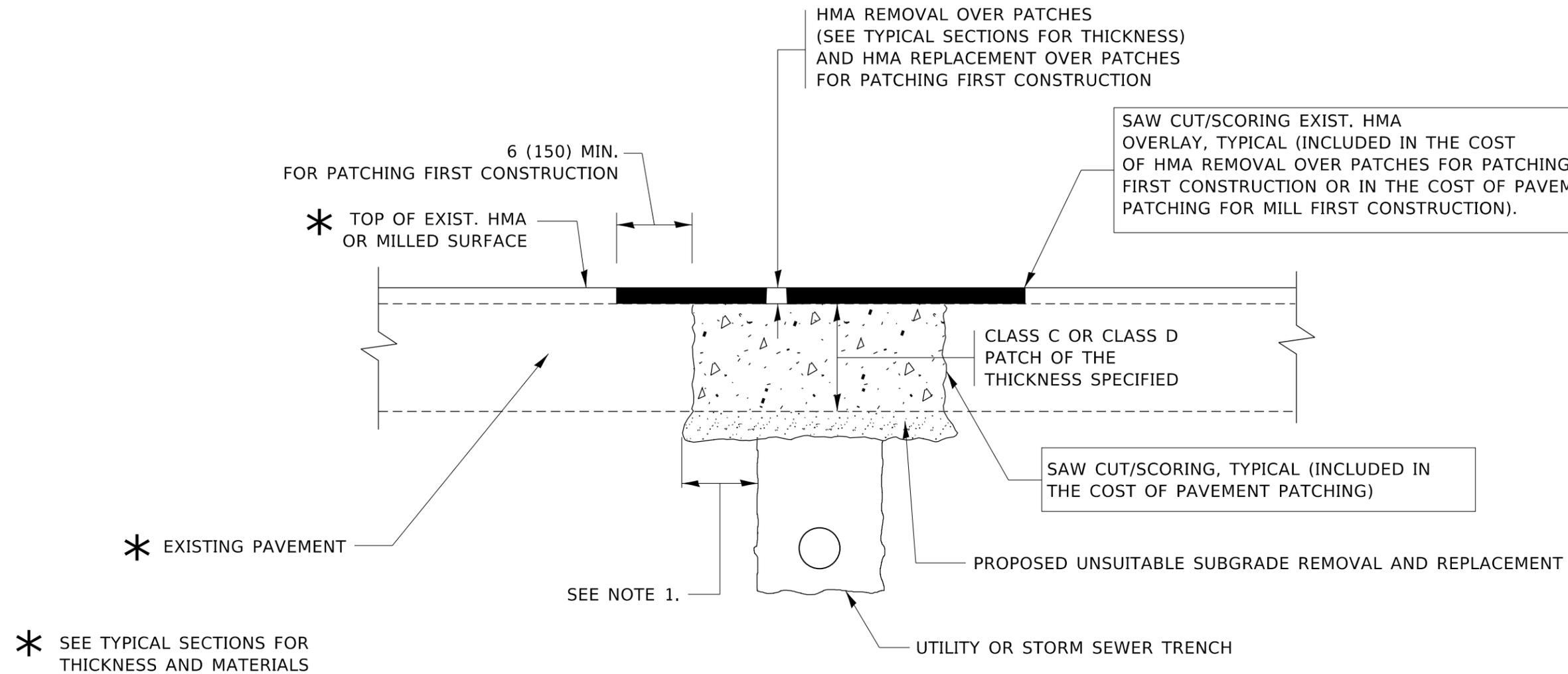
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PLOT DATE = 10/18/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	15
<b>BD600-03 (BD-8)</b>		CONTRACT NO. 62J45		
ILLINOIS		FED. AID PROJECT		



**NOTES:**

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

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

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

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

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PLOT DATE = 10/18/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

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

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	16
BD400-04 (BD-22)			CONTRACT NO. 62J45	
ILLINOIS FED. AID PROJECT				

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

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

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

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

¼" (5) \*\*

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

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

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

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

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

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

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

**NOTE:**

- SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.  
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED.
- CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

**BASIS OF PAYMENT**

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

**CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT**

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

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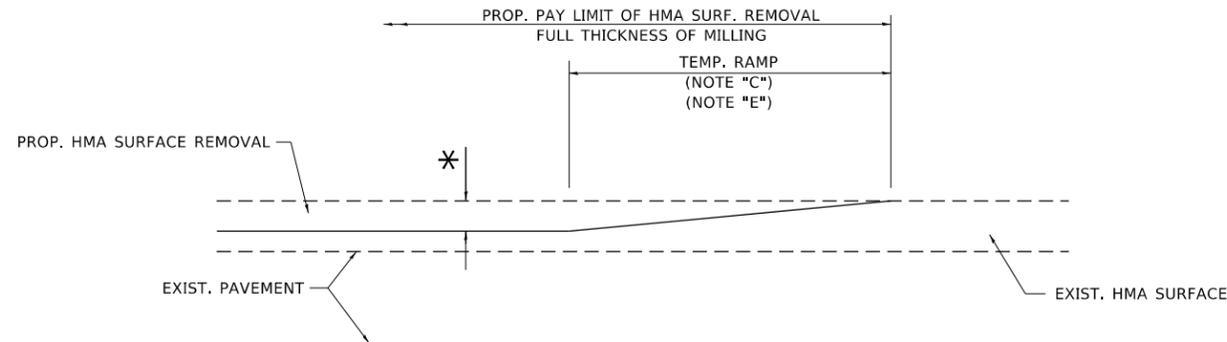
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PLOT DATE = 10/18/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT

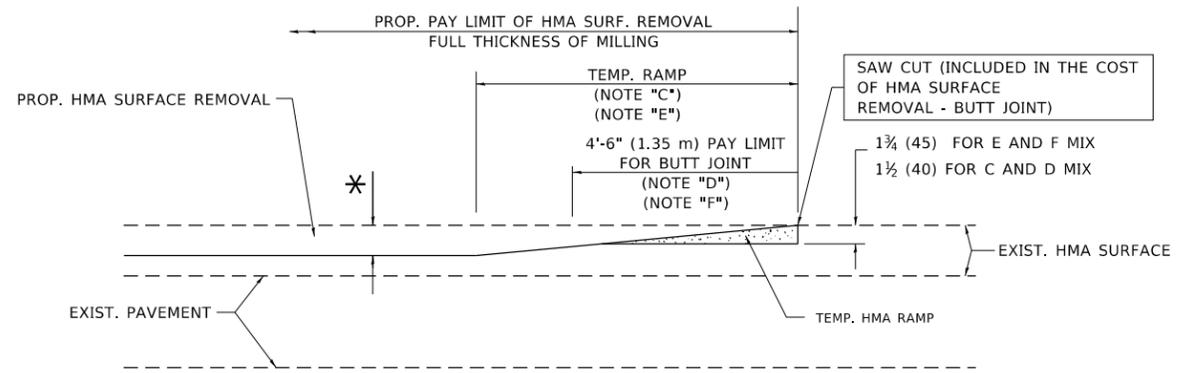
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BD600-06 (BD-24)			CONTRACT NO. 62J45	
ILLINOIS FED. AID PROJECT				



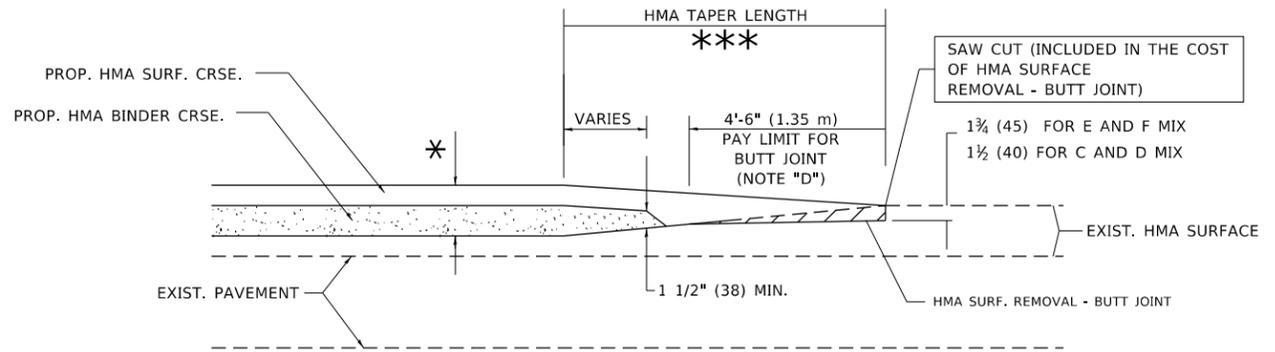
**MILLED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**



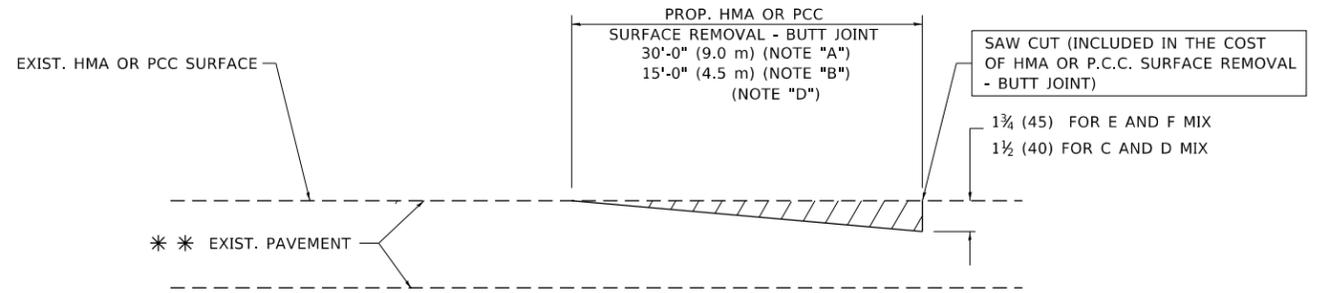
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**  
**TYPICAL TEMPORARY RAMP**

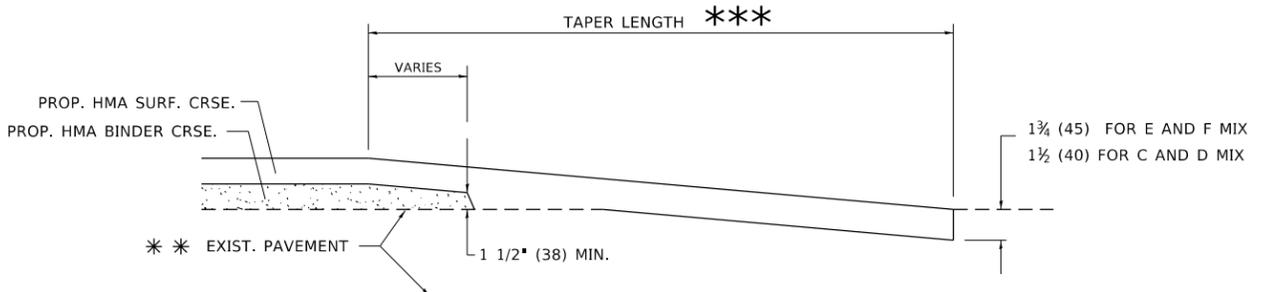


**BUTT JOINT AND HMA TAPER**

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



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

**NOTES**

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

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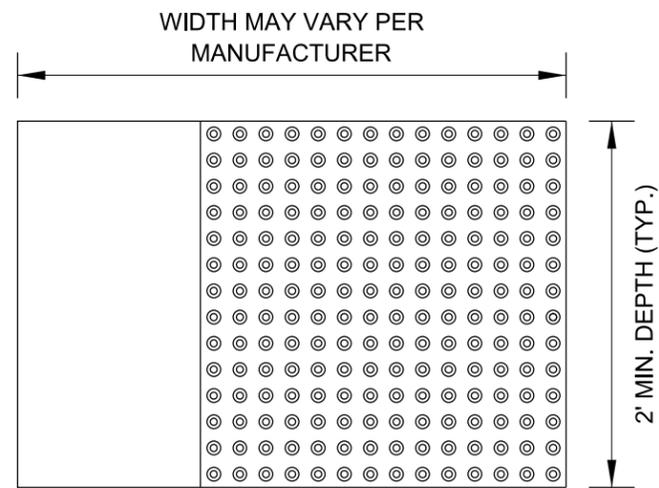
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

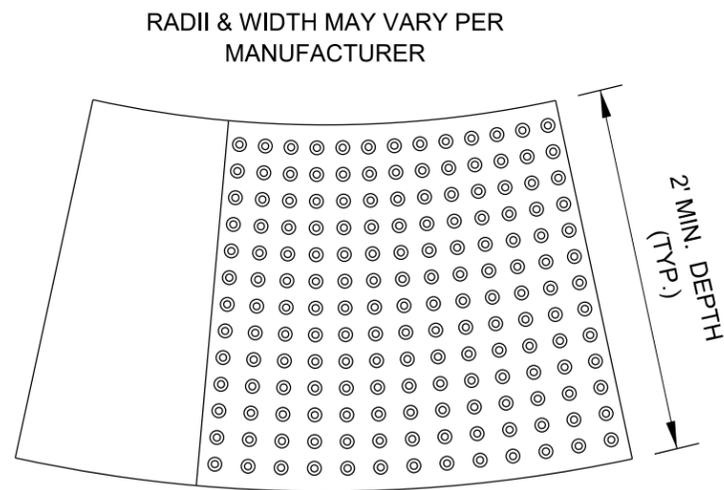
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303	2019-079-R5&SW	COOK	28	18
<b>BD400-05 BD32</b>		CONTRACT NO. 62J45		
ILLINOIS FED. AID PROJECT				



## STRAIGHT DETECTABLE WARNING UNITS



## RADIAL DETECTABLE WARNING UNITS

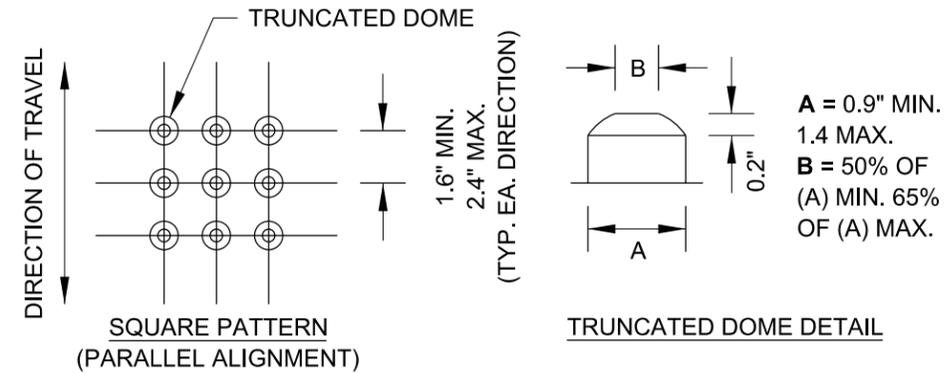


## DETECTABLE WARNING UNIT SIZES

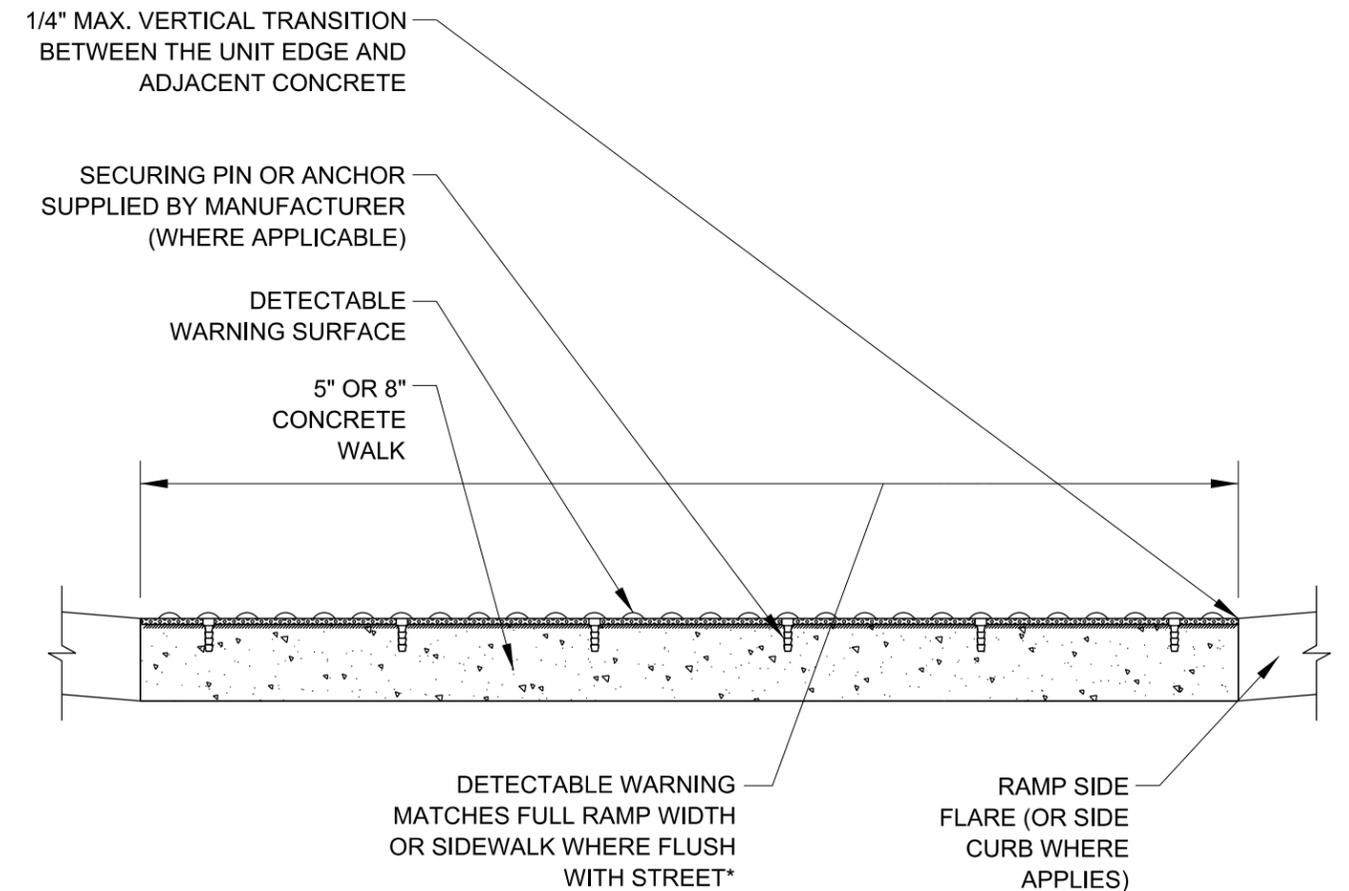
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

## GENERAL NOTE:

THE ROWS OF DOMES IN THE DETECTABLE WARNING MATERIAL MUST BE ALIGNED WITH THE PATH OF WHEELCHAIR TRAVEL WHICH IS REQUIRED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BOTTOM OF THE RAMP TO PERMIT TRACKING BETWEEN DOME ROWS. ON BLENDED TRANSITIONS OR FLUSH TRANSITIONS, WHERE RADIAL UNITS ARE SITUATED ABOUT THE CURB RADIUS, DOME ORIENTATION IS NOT SIGNIFICANT.



## UNIT PATTERN & DOME DETAIL



\*A BORDER OF 2 INCHES OR LESS AROUND THE DETECTABLE WARNING SURFACE IS ACCEPTABLE IF REQUIRED FOR PROPER INSTALLATION OF THE DETECTABLE WARNING SURFACE PRODUCT

## DETECTABLE WARNING UNIT SECTION

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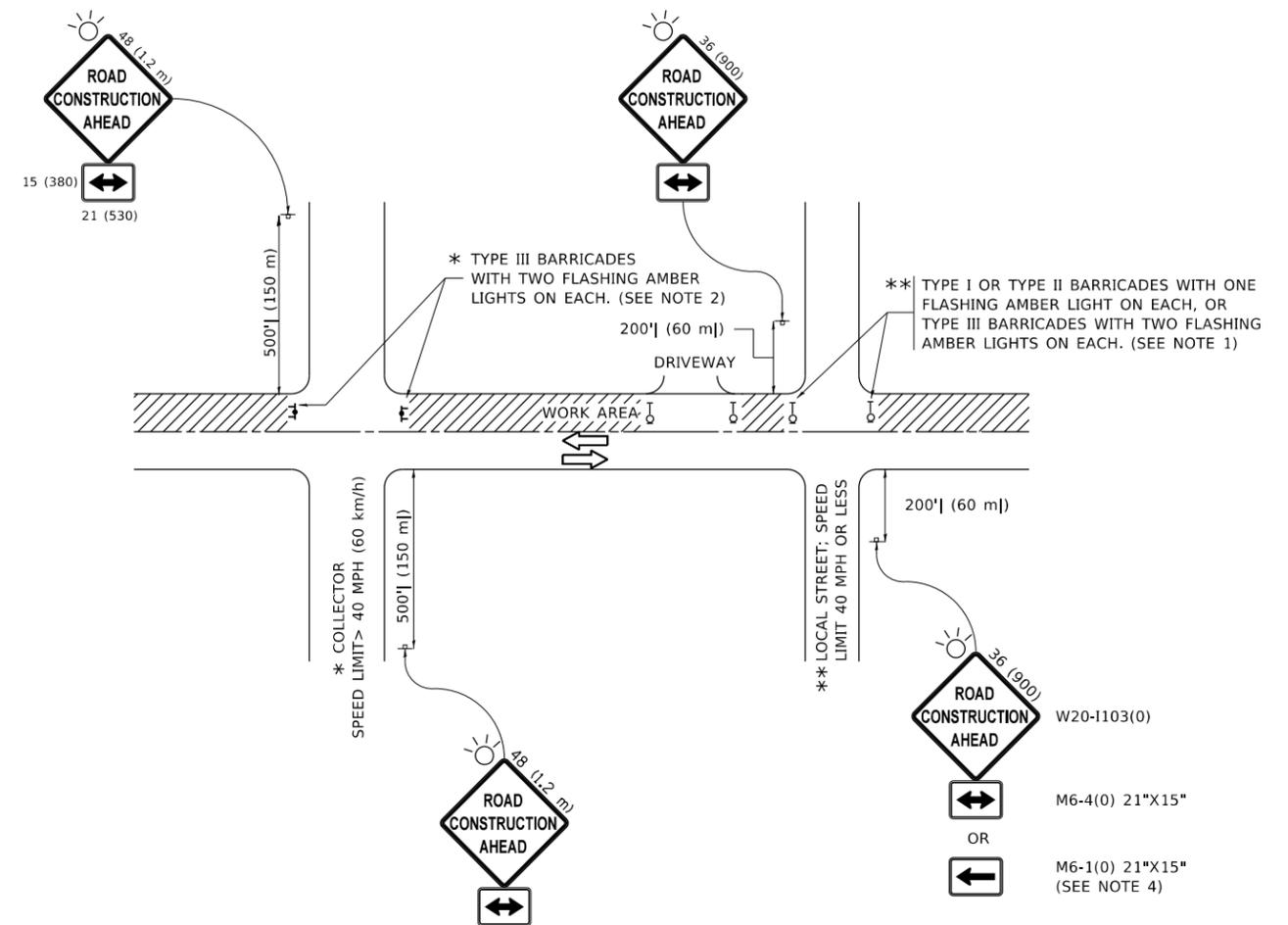
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO  
DETECTABLE WARNINGS

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

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	20
BD 58			CONTRACT NO. 62J45	
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. 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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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 10/18/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

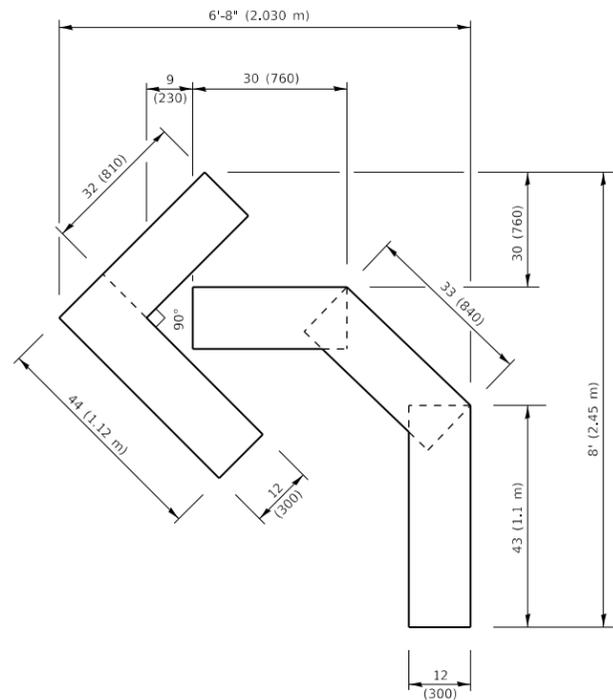
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

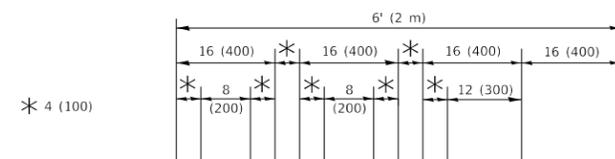
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303	2019-079-R5&SW	COOK	28	21
<b>TC-10</b>			CONTRACT NO. 62J45	
ILLINOIS FED. AID PROJECT				





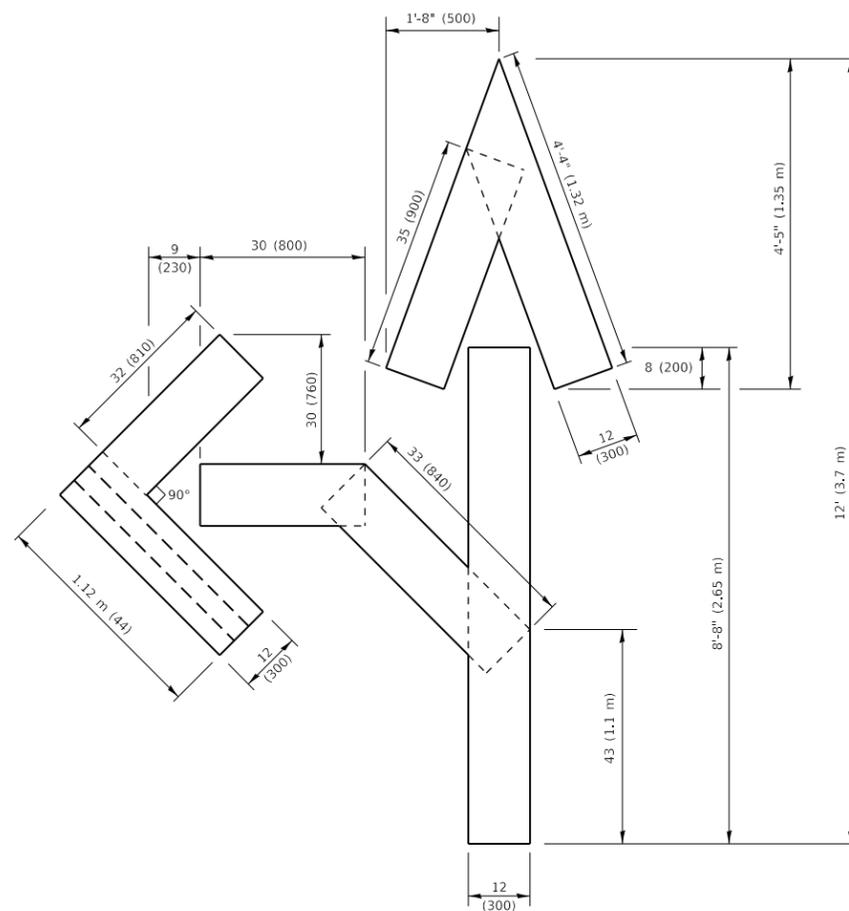
**QUANTITY**

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)

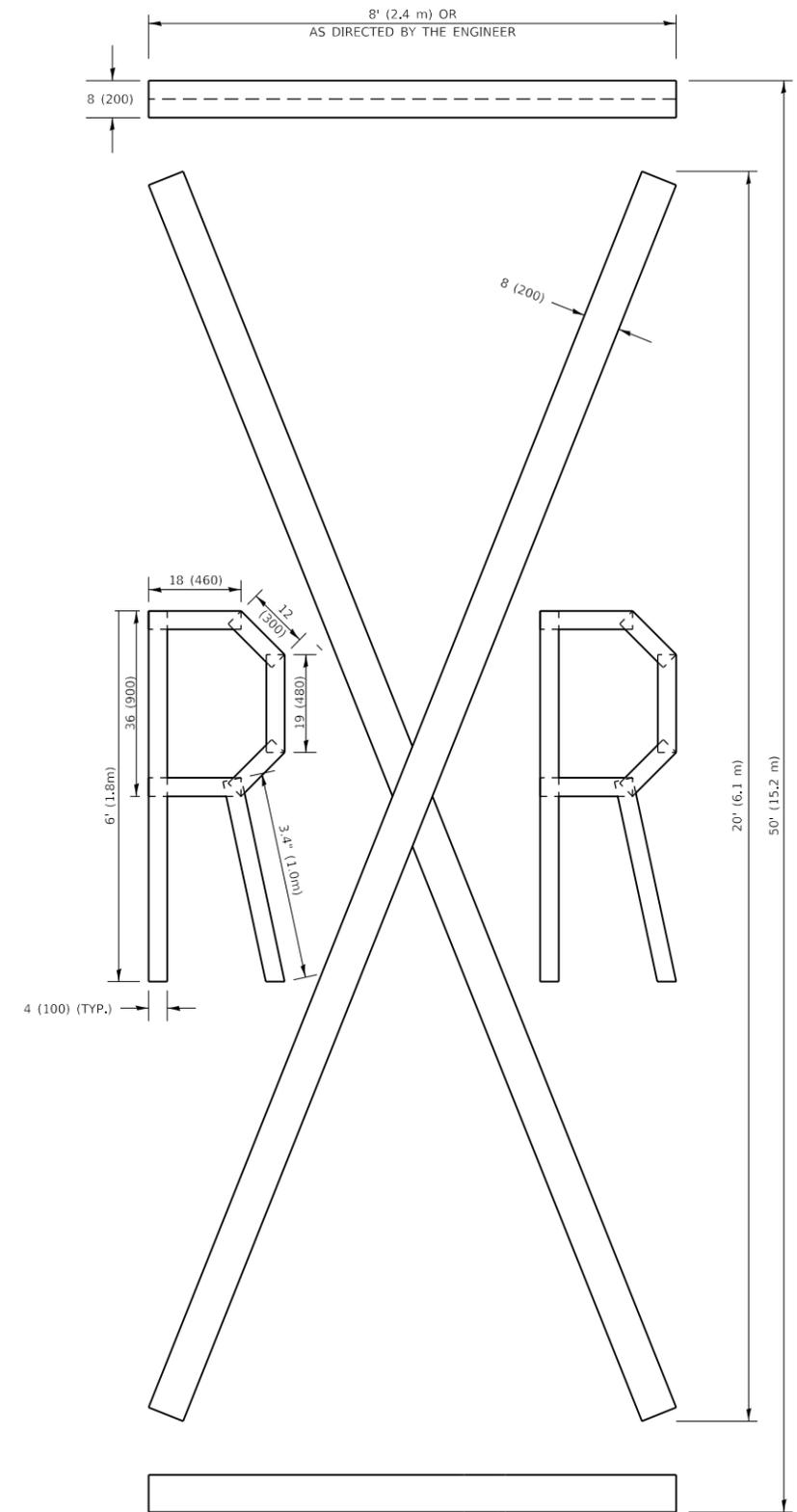


**QUANTITY**

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.

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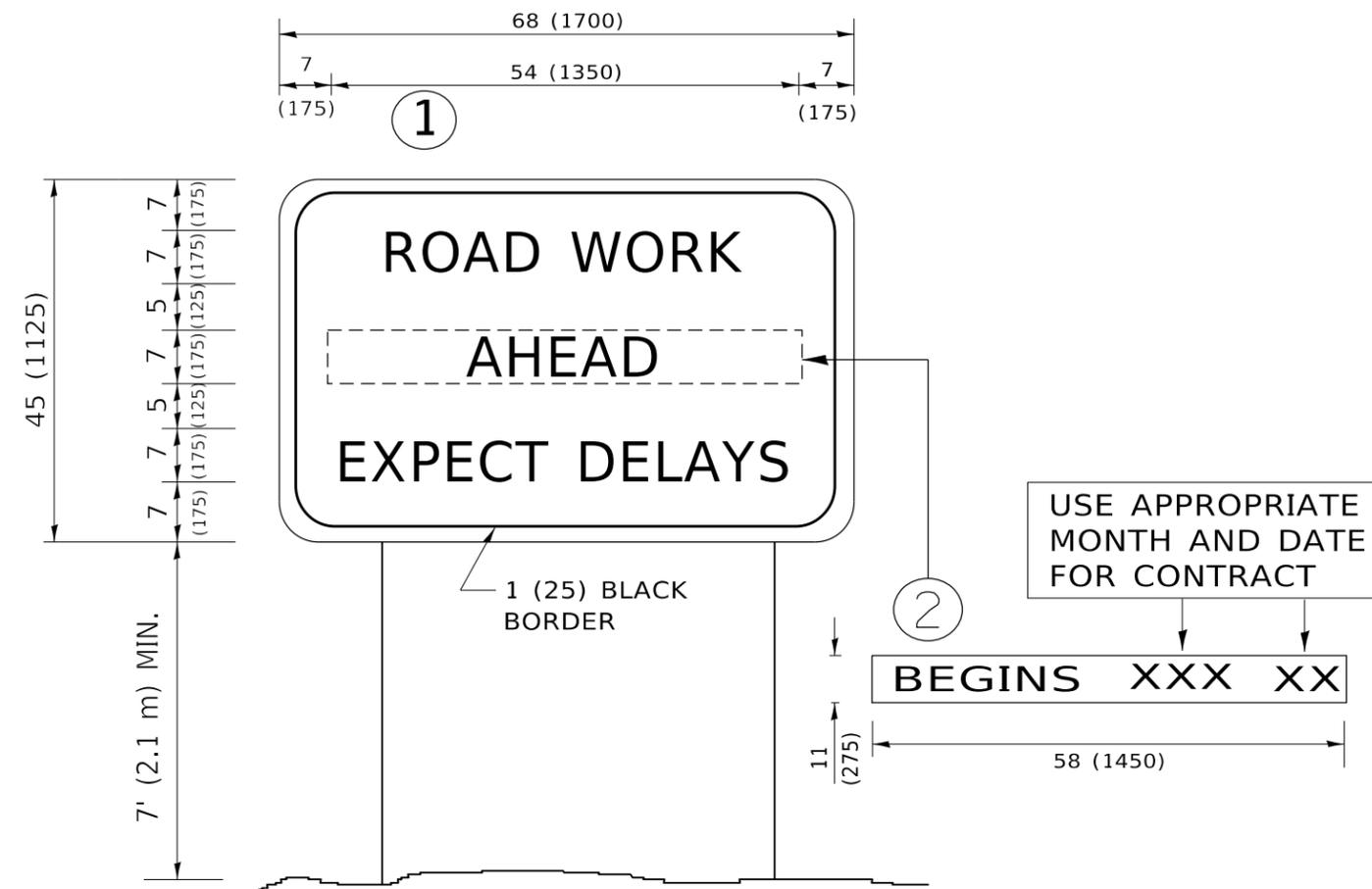
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100.0010 ' / In.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 10/18/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	23
<b>TC-16</b>			CONTRACT NO. 62J45	
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

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	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 10/18/2019	DATE -	REVISED - C. JUCIUS 01-31-07

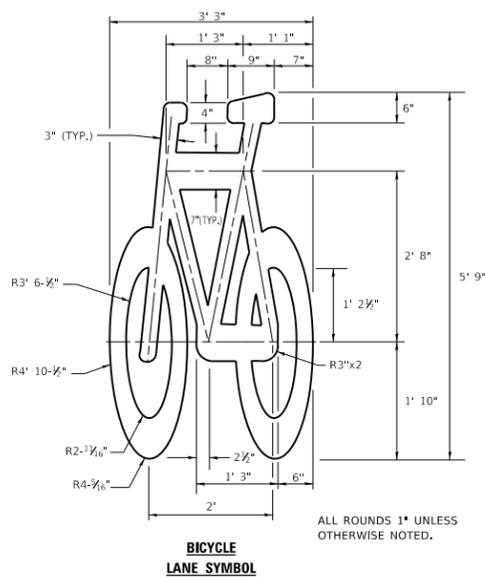
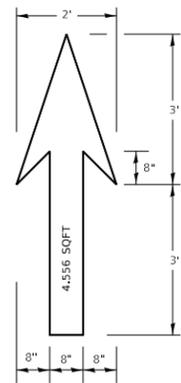
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	24
<b>TC-22</b>			CONTRACT NO. 62J45	
ILLINOIS FED. AID PROJECT				





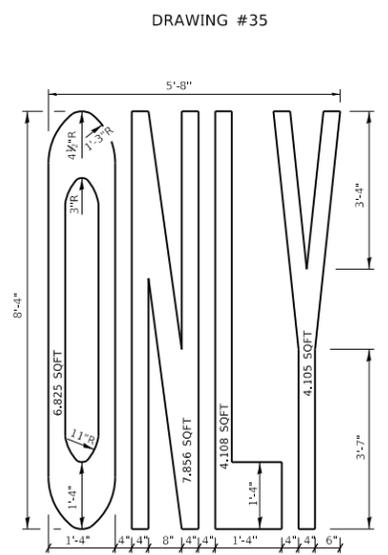
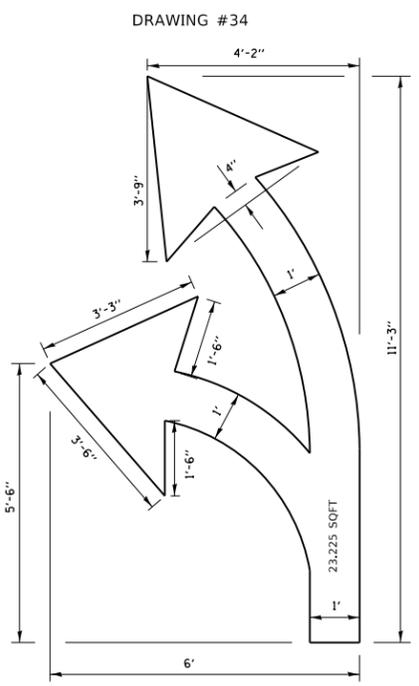
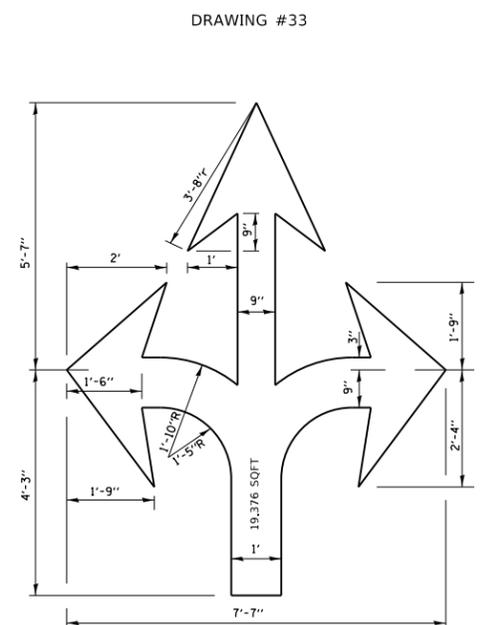
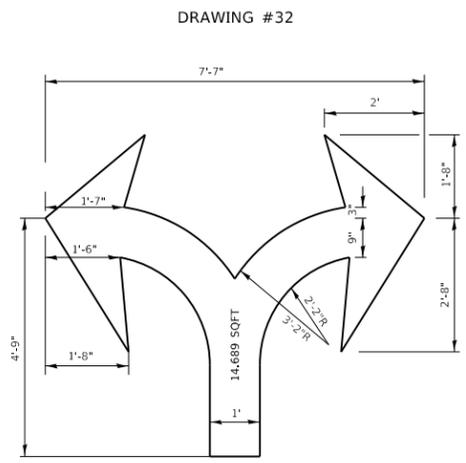
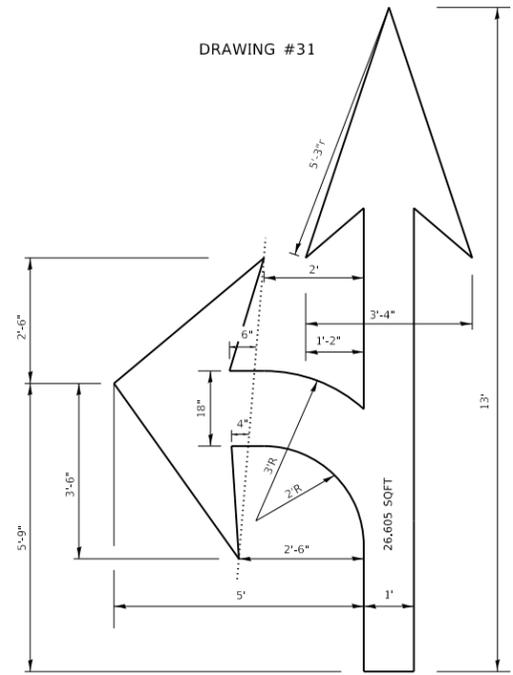
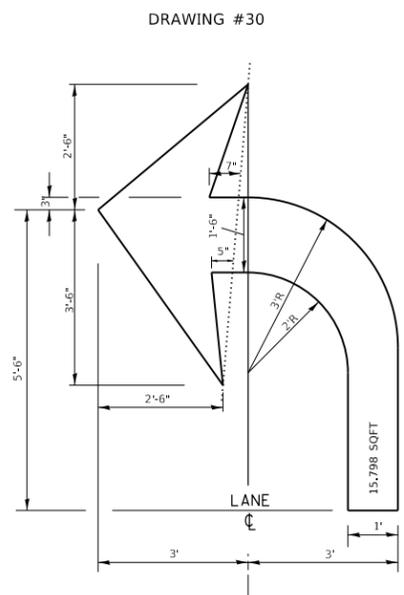
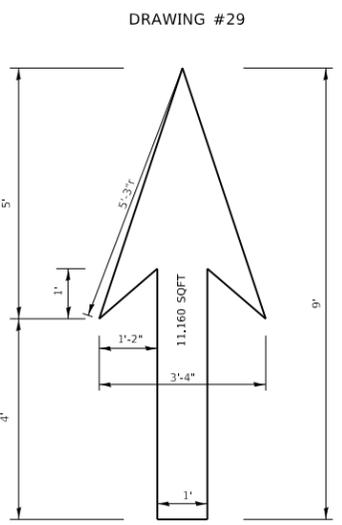
**BICYCLE  
LANE SYMBOL**

ALL ROUNDS 1" UNLESS OTHERWISE NOTED.

**NOTE:**

1. FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
2. THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

**TYPICAL BIKE LANE SYMBOLS  
DRAWING #28**



**NOTE:**  
ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

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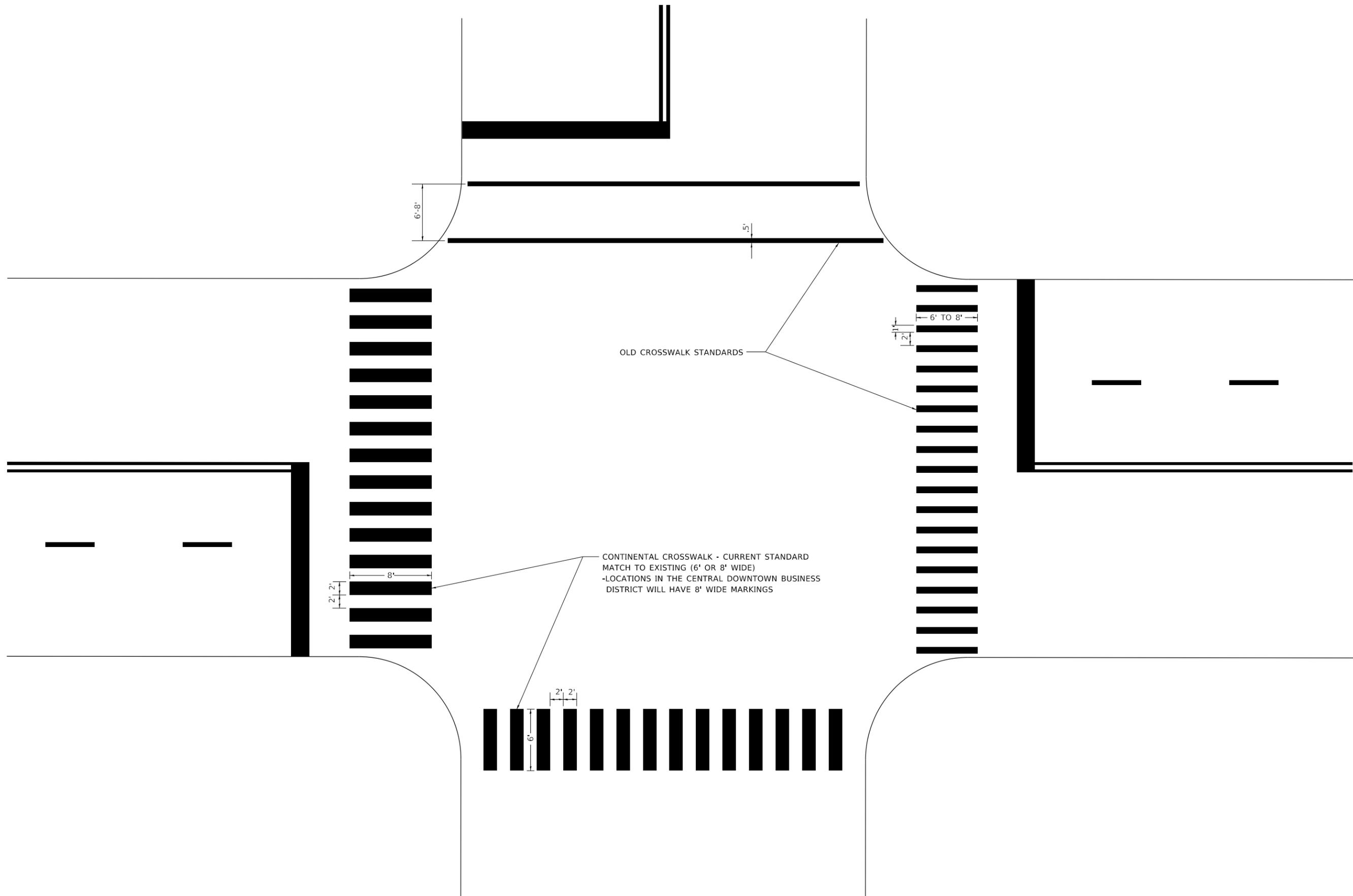
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	26
<b>TC-24</b>		CONTRACT NO. 62J45		
ILLINOIS		FED. AID PROJECT		

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CONTINENTAL CROSSWALK - CURRENT STANDARD  
 MATCH TO EXISTING (6' OR 8' WIDE)  
 -LOCATIONS IN THE CENTRAL DOWNTOWN BUSINESS  
 DISTRICT WILL HAVE 8' WIDE MARKINGS

OLD CROSSWALK STANDARDS

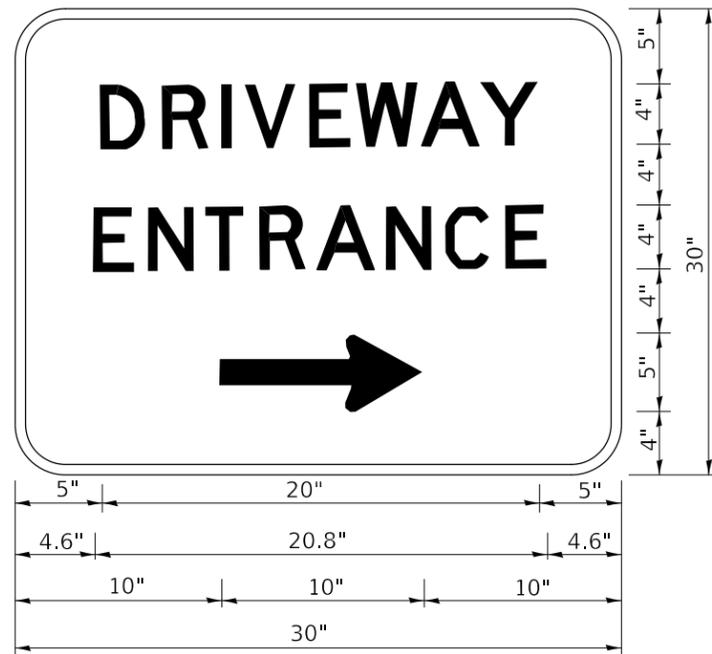
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
 TYPICAL PAVEMENT MARKINGS**

USER NAME = alawnehab	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	27
<b>TC-24</b>			CONTRACT NO. 62J45	
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2019-079-R5&SW	COOK	28	28
<b>TC-26</b>			CONTRACT NO. 62J45	
		ILLINOIS	FED. AID PROJECT	