STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

D-91-428-20



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

UBMITTED Tury 28 20 20

October 2 2020

October 2, 2010

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

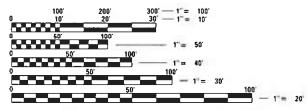
REV-SEP

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED WITHIN
THE VILLAGES OF LANSING, GLENWOOD, LYNWOOD AND
FORD HEIGHTS

TRAFFIC DATA

MAINLINE 2019 ADT - 77,400 POSTED SPEED LIMIT - 55 MPH



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

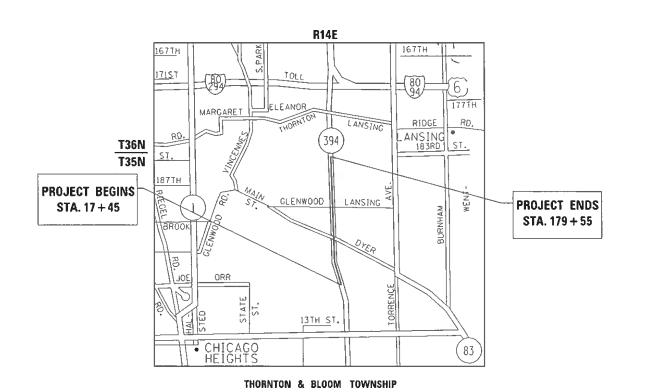
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705–4432
PROJECT MANAGER: FAWAD AQUEEL (847) 702–4247

CONTRACT NO. 62L17

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 332: IL 394
N OF 186TH ST. TO S OF JOE ORR RD.
SMART OVERLAY
SECTION 2020-045-RS
PROJECT: NHPP- NW8M(249)
COOK COUNTY
C-91-235-20



GROSS & NET LENGTH OF PROJECT = 16,210 FT = 3.07 MI.

INDEX OF SHEETS

TC-17: TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES

TC-18: SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

AND PARTIAL RAMP CLOSURES

LIST OF STATE STANDARDS

SHEET	NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
	1	COVER SHEET	000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
	2	INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES	420001-09	PAVEMENT JOINTS
	3-4	SUMMARY OF QUANTITIES	442201-03	CLASS C AND D PATCHES
	5	EXISTING & PROPOSED TYPICAL SECTIONS	604001-05	FRAME AND LIDS, TYPE 1
	6-11	ROADWAY & PAVEMENT MARKINGS PLANS	642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
	12	BD-8: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
	13	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
	14	BD-32: BUTT JOINT AND HMA TAPER DETAILS	701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FO
	15	BD-33: HMA TAPER AT EDGE OF P.C.C. PAVEMENT		
	16	TC 08: ENTRANCE AND EXIT RAMP CLOSURE DETAILS	701428-01	TRAFFIC CONTROL SETUP & REMOVAL FREEWAY/EXPRESSWAY
	17	TC 09: SINGLE LANE WEAVE AND MULTI-LANE WEAVE	701901-08	TRAFFIC CONTROL DEVICES
	18	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWA	780001-05	TYPICAL PAVEMENT MARKING
	19-20	TC-12: MULTILANE FREEWAY PAVEMENT MARKING DETAILS		
	21	TC-16: PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING		
ı				

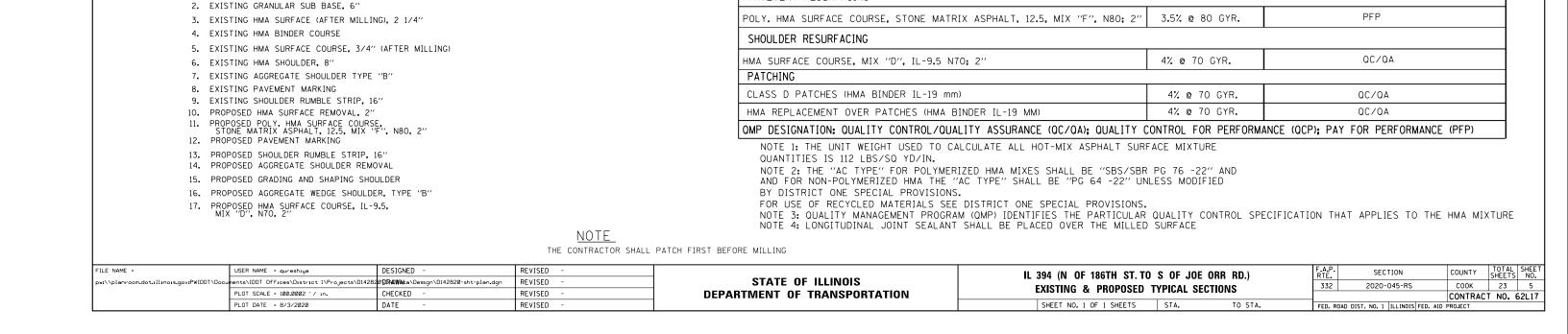
GENERAL NOTES

- 1) BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- 2) THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF LANSING, GLENWOOD, LYNWOOD AND FORD HEIGHTS.
- 3) THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4) WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (45 KM/H) OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (45 KM/H). 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 1:3 (V:H).
- 5) BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 6) THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, MS. REGINA COOPER, AT REGINA.COOPER2@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 7) THE RESIDENT ENGINEER SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS BEFORE MILLING.
- 8) DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS
- 9) DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- 10) ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 11) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 12) THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT CARLOS.MUNOZ@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 13) TYPE III TAPE IS TO BE USED ON THE FINAL WEARING SURFACE
- 14) THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

ſ	FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED -		IL 394 (N OF 186TH ST. TO S OF JOE ORR RD.)	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	pw:\\planroom.dot.ıllınoıs.gov:PWIDOT\Docu	nents\IDOT Offices\District I\Projects\D14282	20 0FA0WA ta\Design\D142820-sht-plan.dgn	REVISED -	STATE OF ILLINOIS	IL 334 (N OF 1001H 31.10 3 OF JUE UNN NU.)	332	2020-045-RS	соок	23	2
		PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES			CONTRACT	NO.	62L17
		PLOT DATE = 8/3/2020	DATE -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		

	SUMMARY OF QUANTITIES				C	ONSTRUCTION ON TRUCTION	ON TYPE	CODE			CUMMAD	OV OF QUANTITIES				C	CONSTRUCT	ION TYPE	CODE	
	SUMMART OF QUANTITIES		TOTAL	0005	0005					1	SUMMAR	RY OF QUANTITIES		TOTAL	0005	0005				
CODE NO	ITEM	UNIT	QUANTITIES	DOVOMYA						CODE NO		ITEM	UNIT	QUANTITIES						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	68374	68374						64200116	SHOULDER RUMB	BLE STRIPS, 16 INCH	FOOT	64840	64840					
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	226	226						67000400	ENGINEER'S FI	IELD OFFICE, TYPE A	CAL MO	6	6					
	FLANGEWAYS																			
										67100100	MOBILIZATION		L SUM	1	1					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SO YD	150	150																
	JOINT									70300220	TEMPORARY PAV	VEMENT MARKING - LINE 4"	FOOT	64840	64840					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER	TON	1523	1523						70300230	TEMPORARY PAV	VEMENT MARKING - LINE 5"	FOOT	8105	8105					
	PATCHES									70300250	TEMPORARY PAV	VEMENT MARKING - LINE 8"	FOOT	2586	2586					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	TON	5924	5924																
	MIX "D", N70									70300260	TEMPORARY PAV	VEMENT MARKING - LINE 12"	FOOT	7048	7048					
40605036	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	11098	11098						70300520	PAVEMENT MARK	KING TAPE, TYPE III 4"	FOOT	1800	1800					
	COURSE, STONE MATRIX ASPHALT, 12.5, MIX																			
	"F", N80									* 78000200	THERMOPLASTIC	C PAVEMENT MARKING - LINE	FOOT	64840	64840					
											4"									
44000157	HOT-MIX ASPHALT SURFACE REMOVAL. 2"	SQ YD	150438	150438																
										* 78000500	THERMOPLASTIC	C PAVEMENT MARKING - LINE	FOOT	2586	2586					
44002217	HOT-MIX ASPHALT REMOVAL OVER PATCHES. 4	SQ YD	4985	4985							8"									
	1/4"																			
										* 78000600	THERMOPLASTIC	C PAVEMENT MARKING - LINE	FOOT	7048	7048					
44201765	CLASS D PATCHES, TYPE II. 10 INCH	SO YD	808	808							12"									
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	520	520						* 78004354	PREFORMED PLA	ASTIC PAVEMENT MARKING,	FOOT	550	550					
											TYPE D - INLA	AID - LINE 4"								
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	3203	3203																
										★ 78004355	PREFORMED PLA	ASTIC PAVEMENT MARKING,	FOOT	8105	8105					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2341	2341							TYPE D - INLA	AID - LINE 5"						* SPECIA	LTY ITEM	REV-SEP
E1 E 1		CLONES		Beutani												le a n		# NON P	RTICIPATI	
FILE NAME = pw:\\planroom.dotJillnol	is.gov:PWIDOT\Documents\IDOT_Offices\District \Projects\Di42820\CADData\Design\Di4282O\shi\D\\			REVISED REVISED	-					ILLINOIS	TION	IL 394 (N OF 186TH Summar	ST. TO S OF Y OF QUANTI		RD.)	F.A.P RTE. 332		TION 045-RS	соок	TOTAL SHEET NO. 23 3
		IECKED -		REVISED REVISED				JEPARTN	MENI OF	TRANSPORTA		SCALE: SHEET NO. OF			TO STA.	FED.	ROAD DIST. NO. 1	ILLINOIS FED. AI		NO. 62L17

	SUMMARY OF QUANTITIES				(CONSTRUCT	ION TYPE	CODE	1	SUM	MARY OF QUANTITIES		1		С	ONSTRUCTION TY	PE CODE	
	22		TOTAL	0005	0005								TOTAL	0005	0005			
CODE NO	ITEM	UNIT	QUANTITIES	ROADWAY 80% FED 20% STATE	ROADWAY 100% STATE					CODE NO	ITEM	UNIT	QUANTITIES	ROADWAY 80% FED 20% STATE	ROADWAY 100% STATE			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	250	250														
78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	250	250														
	REMOVAL																	
x2020110	GRADING AND SHAPING SHOULDERS	UNIT	650	650														
X5420636	PIPE CULVERTS TO BE CLEANED 36"	FOOT	90		90													
x5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	500		500													
X7011015	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1														
	(EXPRESSWAYS)																	
x7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	229762	229762														
Z0005300	BOX CULVERTS TO BE CLEANED	EACH	1		1													
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	3		3													
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	8		8													
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	205. 6	205. 6														
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	32420	32420														
Z0034105	MATERIAL TRANSFER DEVICE	TON	11098	11098														
5 zoo76600	TRAINEES	HOURS	500	500														
Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500														0042
																* SP # NO	ECIALTY ITEM N PARTICIPAT	ING ITEM
FILE NAME = pw:\\planroom.dot Jillnois	USER NAME = qureshlya Sigon-PMIDOT\Documents\DOT Offices\District \name= qureshlya PLOT SCALE = 10000000 '/ In. PLOT DATE = 8/12/2020	DESIGNED - DESIGNED - CHECKED - DATE -		REVISED REVISED REVISED REVISED	-				STATE OF	ILLINOIS TRANSPORTATION	SUM	86TH ST. TO S O	TITIES	RD.)	F.A.P. RTE. 332		COOK CONTRAC	TOTAL SHEE NO. 23 4 T NO. 62L17



¢ OF MEDIAN DITCH

¢ OF MEDIAN DITCH

IL-394 EXISTING TYPICAL CROSS SECTION STA. 17+45 TO STA. 179+55

IL-394 PROPOSED TYPICAL CROSS SECTION STA. 17+45 TO STA. 179+55

PAVEMENT RESURFACING

R.O.W. 100' MIN. & VARIES

R.O.W. 100' MIN. & VARIES

EXISTING

EXISTING

EXISTING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

EXISTING

EXISTING

MIXTURE TYPE

(13/12)

72/22/24

EXISTING

EXISTING

ZZZZZZZZ

(10)(4)

EXISTING

QUALITY MANAGEMENT PROGRAM (QMP)

174

AIR VOIDS(%) @ Ndes

R.O.W. 100' MIN. & VARIES

TITITITITI

R.O.W. 100' MIN. & VARIES

EXISTING

EXISTING

EXISTING

EXISTING

LEGEND

1. EXISTING P.C. CONCRETE PAVEMENT ± 10"

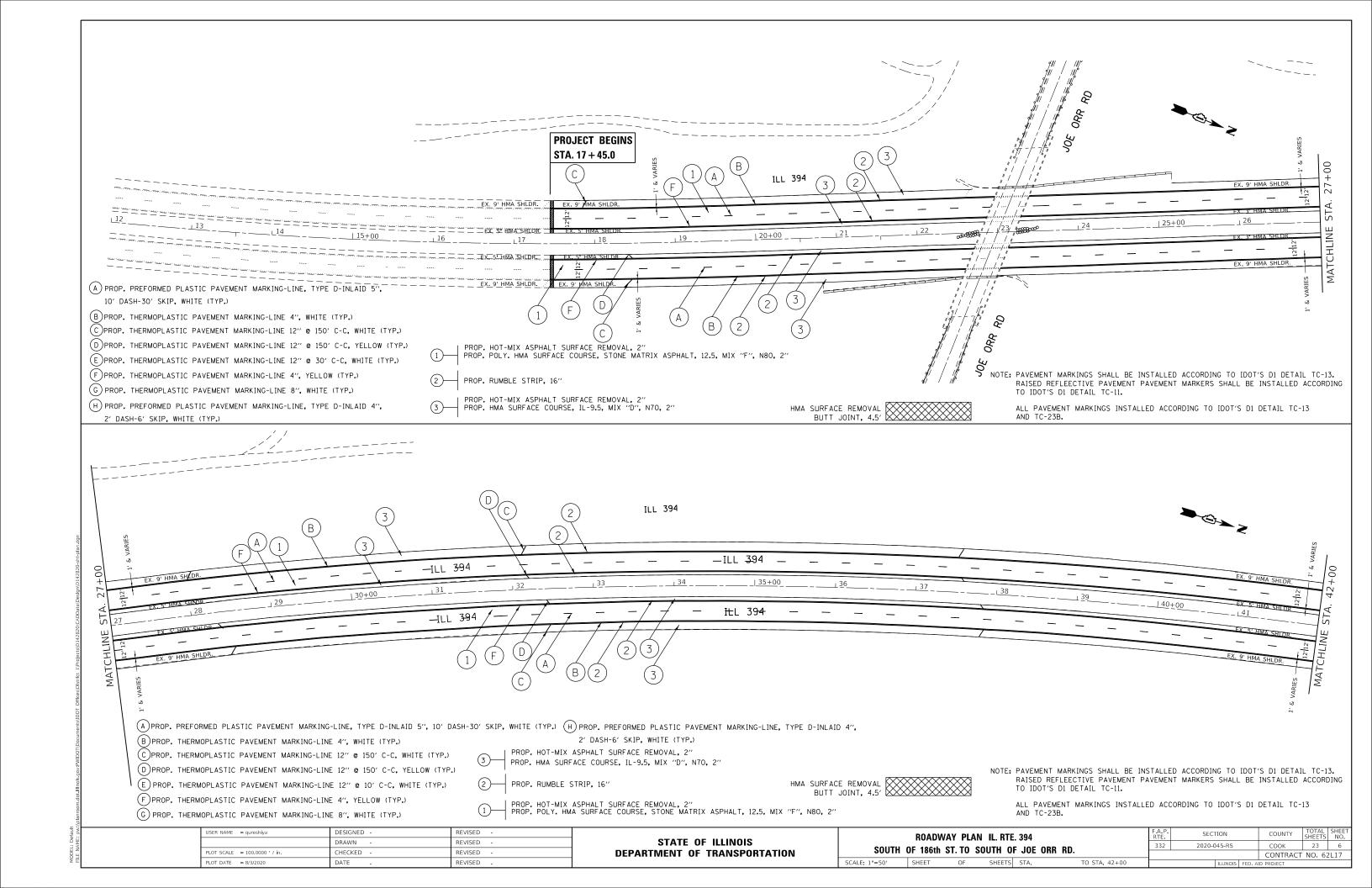
EXISTING

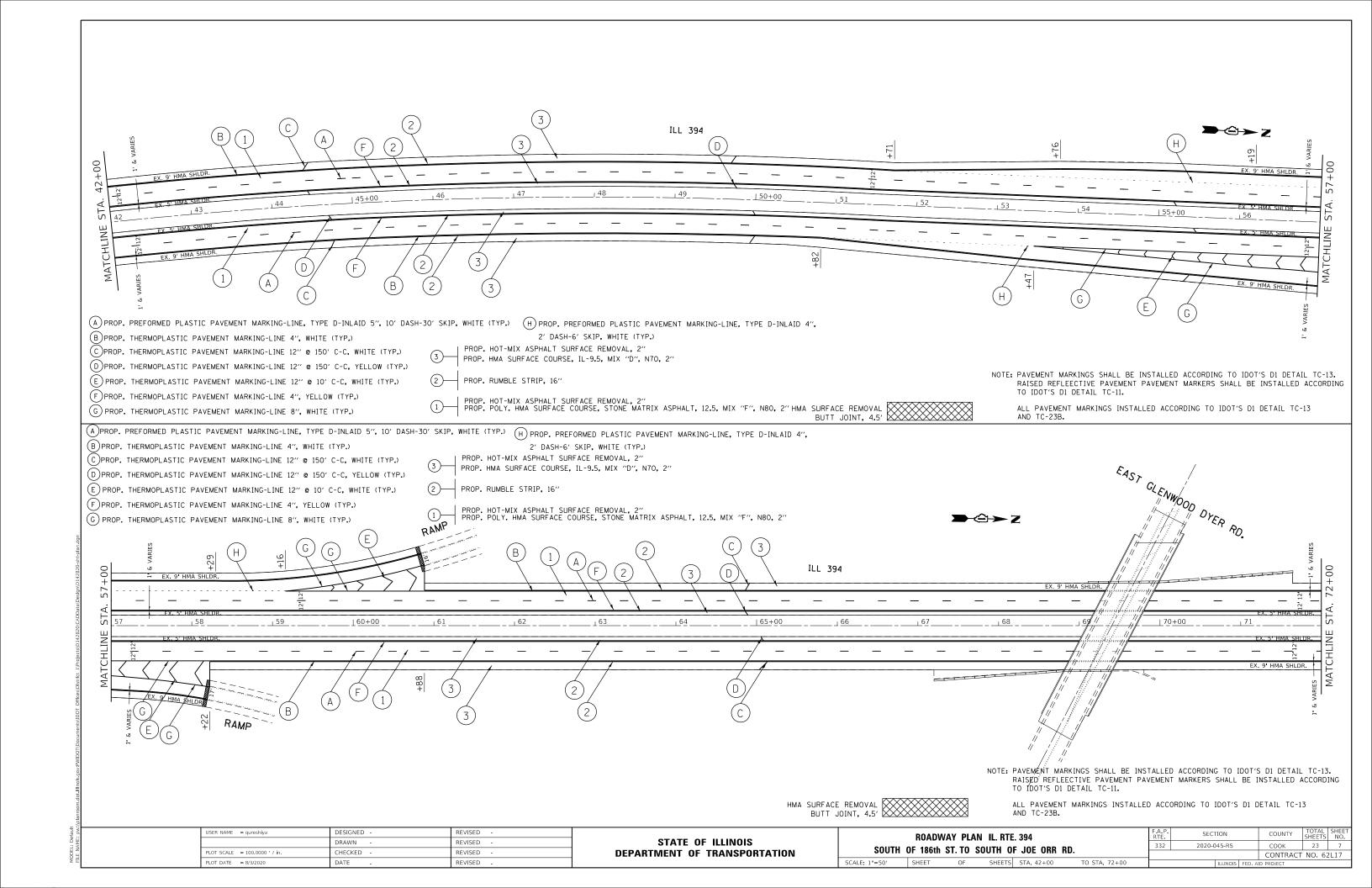
EXISTING

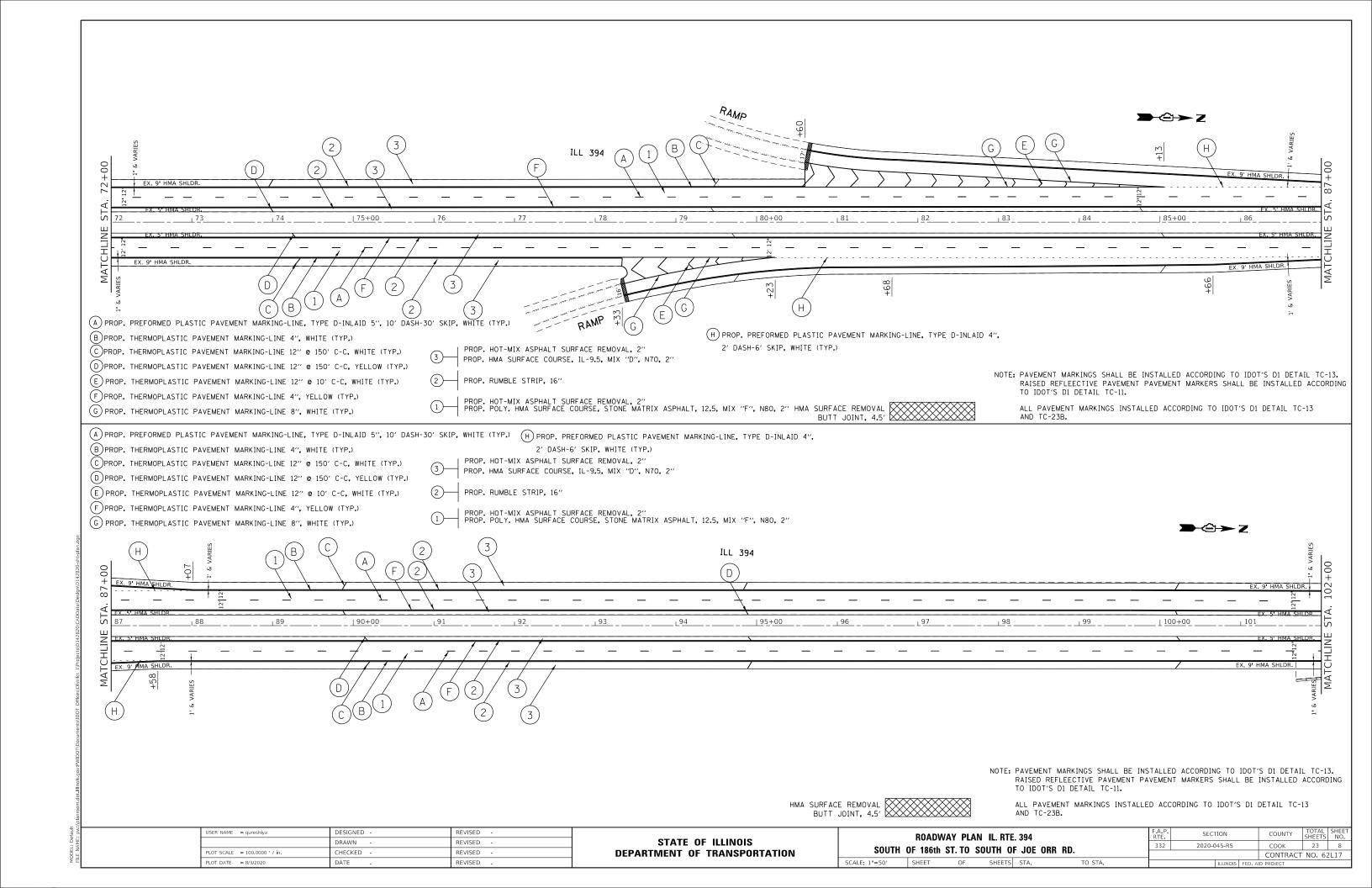
ZZZZZZZZZ

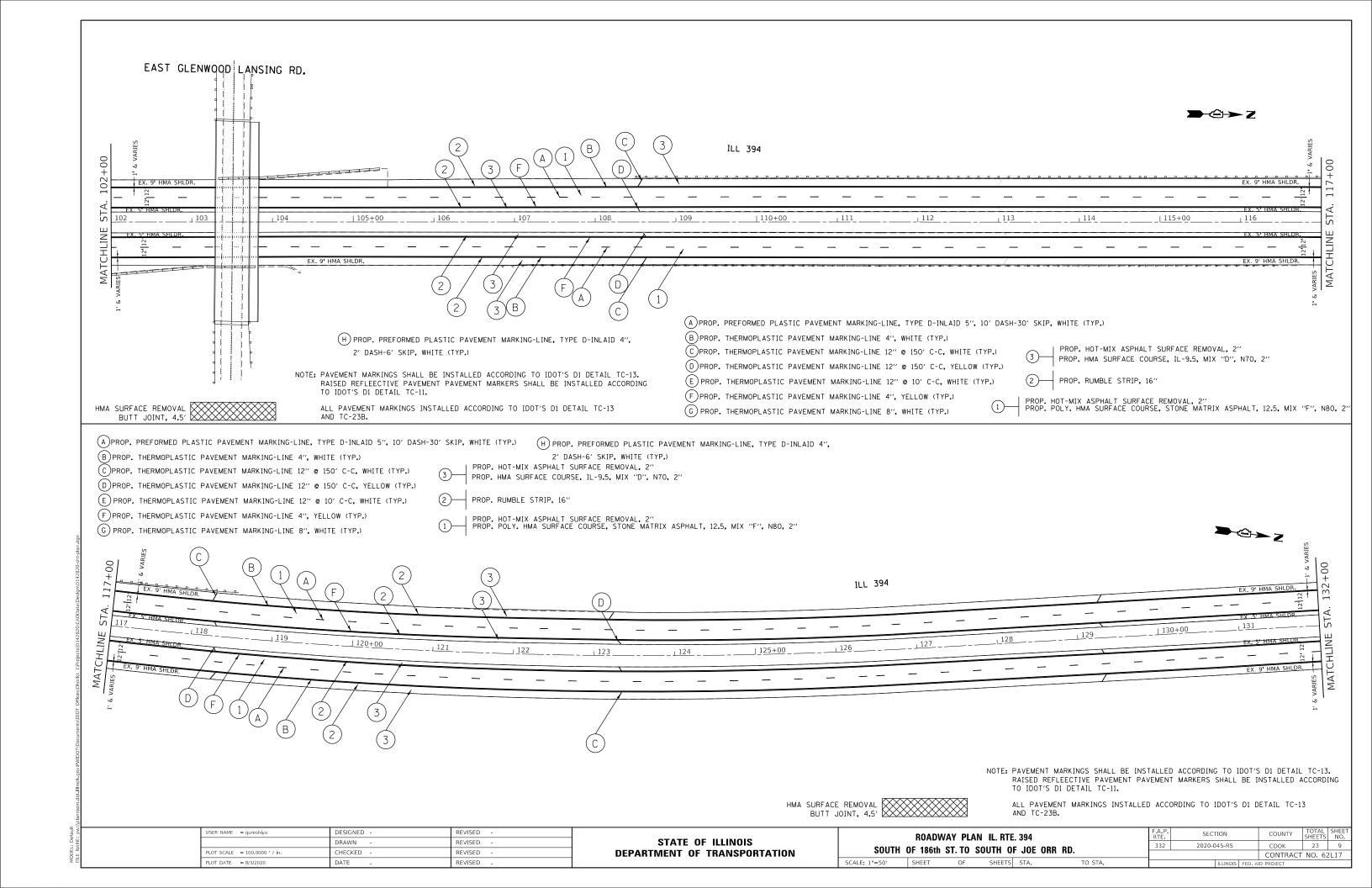
89

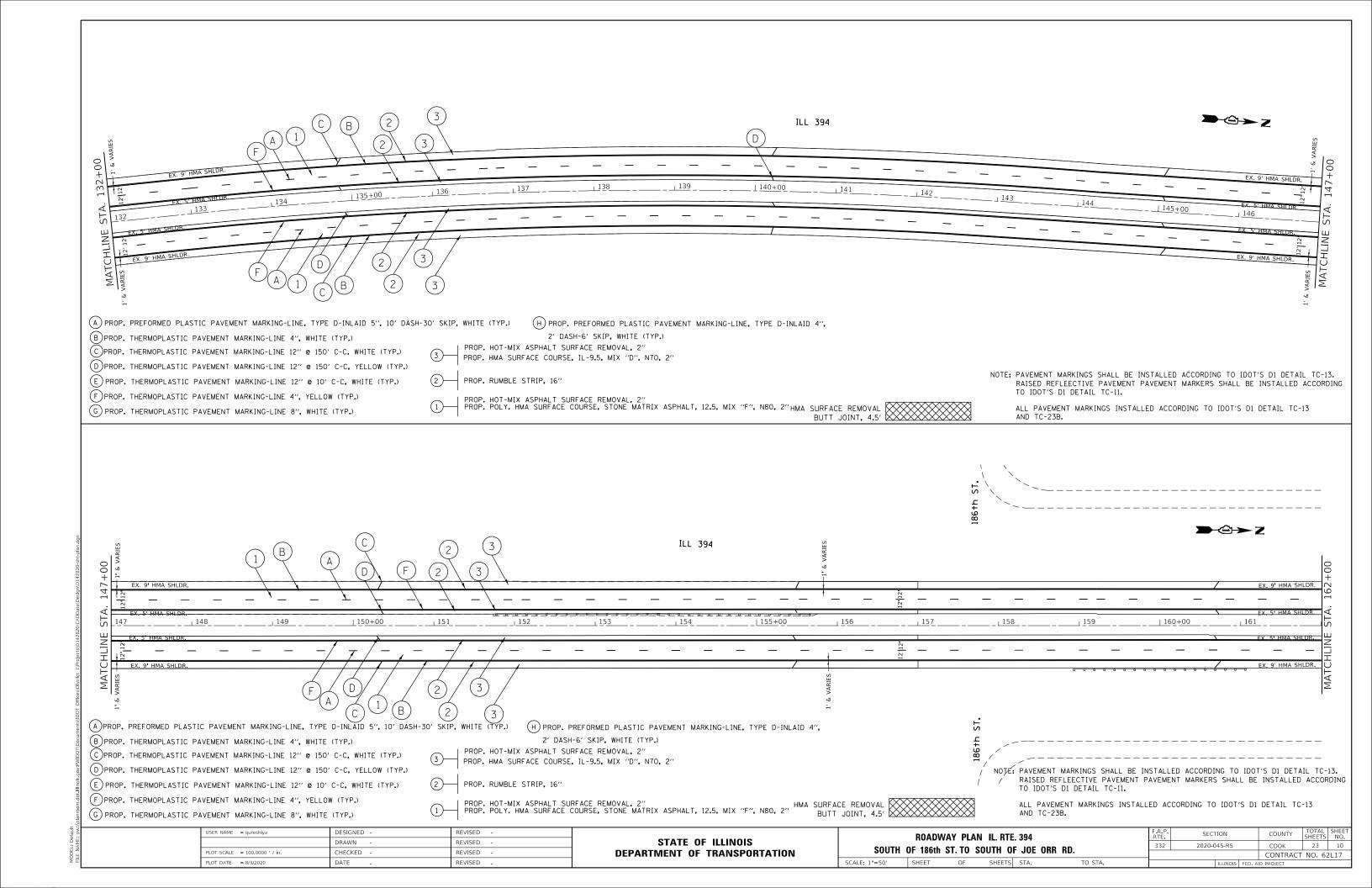
EXISTING

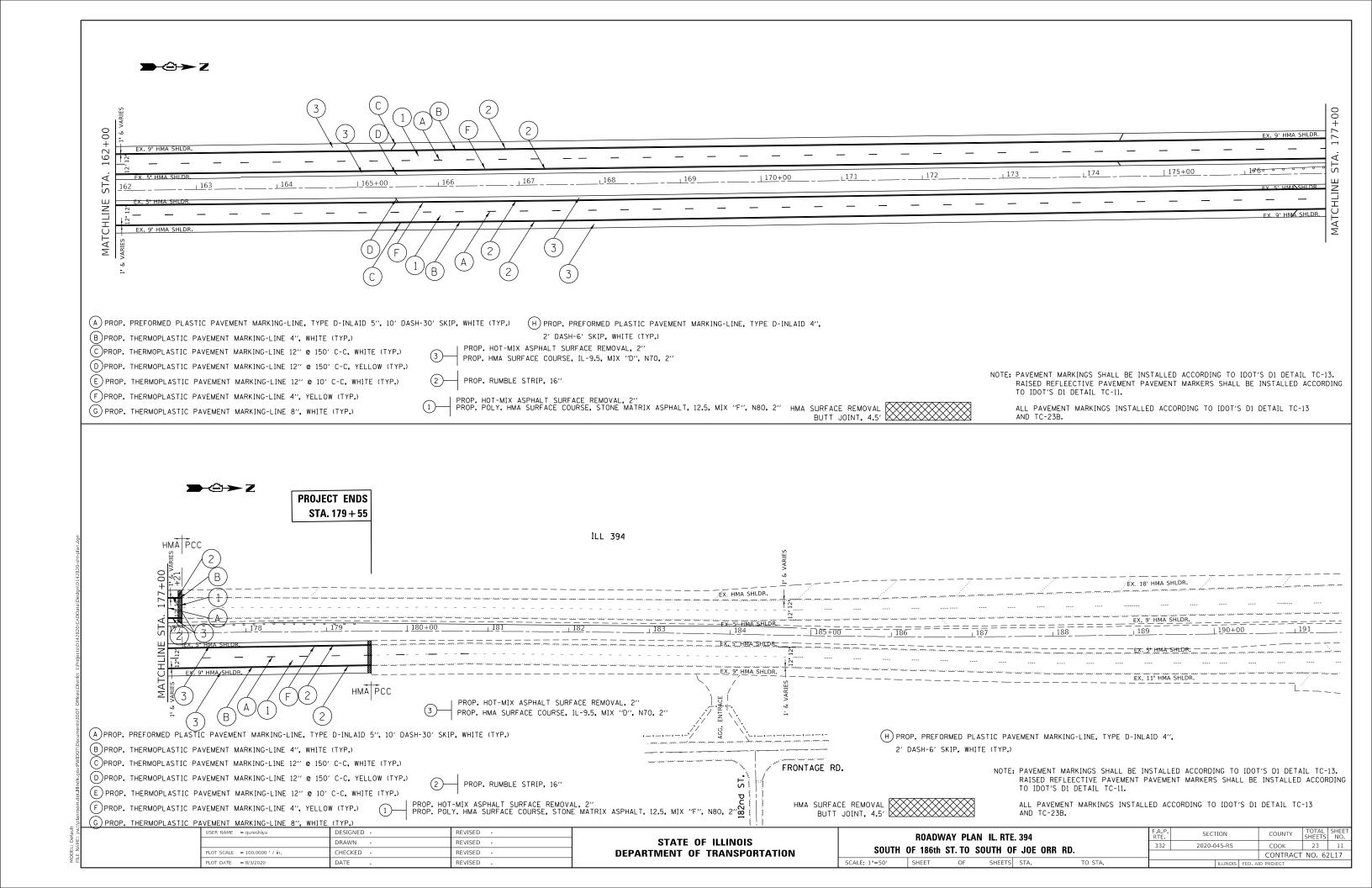


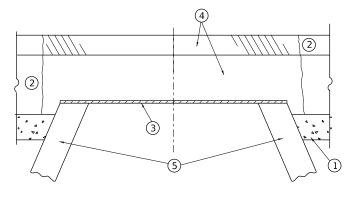


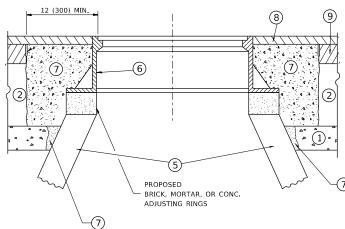












NOTES

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.
- f * 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 ENGINERS "

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
- PROPOSED CRUSHED STONE AND HMA SURFACE MIX

(5) EXISTING STRUCTURE

9 PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

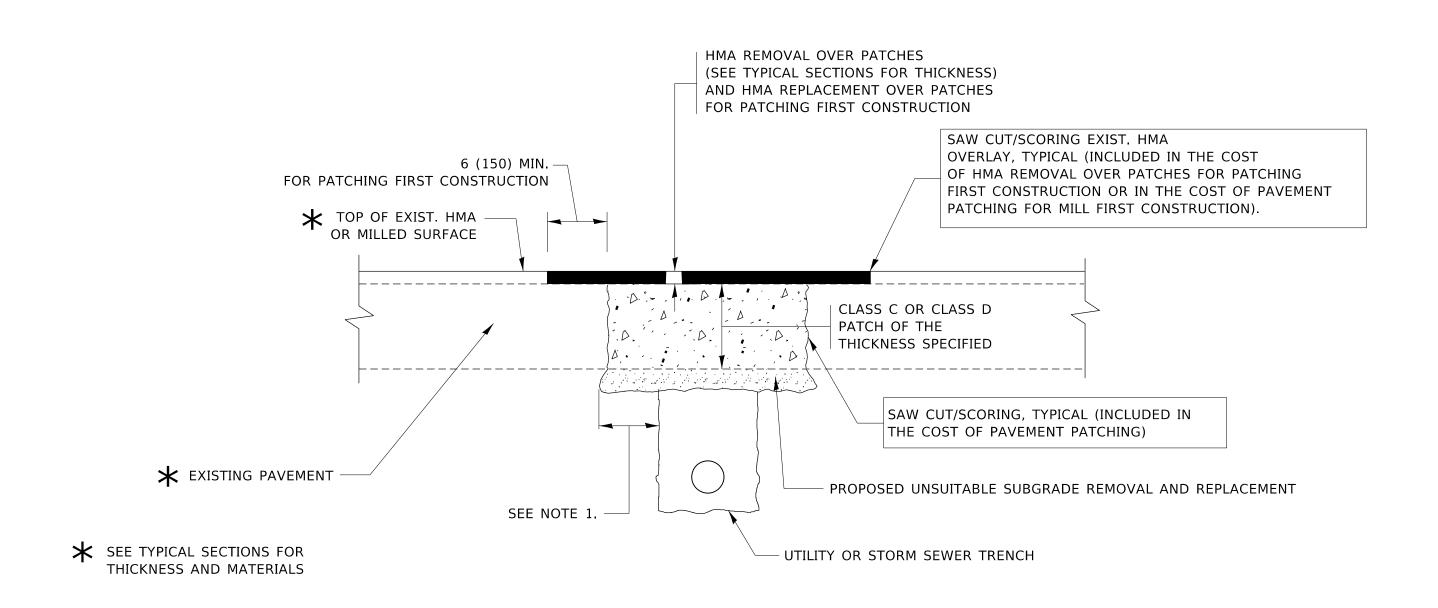
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMES AND LIDS ADJUSTMENT WITH MILLING

SHEET 1 OF 1 SHEETS STA. TO STA.



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.

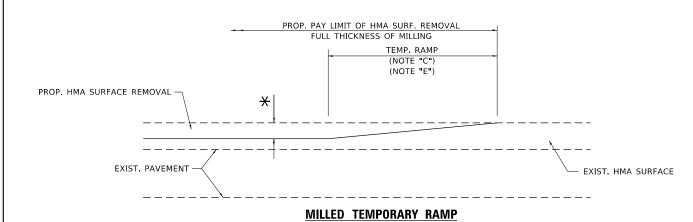
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ 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.

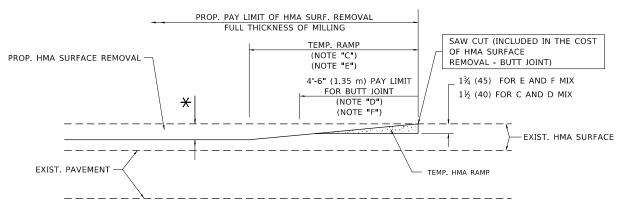
OSER NAME = quiesniya	DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS			'EMEN
PLOT SCALE = 100.0000 ' / in	CHECKED -	REVISED - R. BORO 09-04-07	DEPARTMENT OF TRANSPORTATION		HMA	SURF
PLOT DATE = 8/3/2020	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET 1	OF 1

MODEL: Default



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

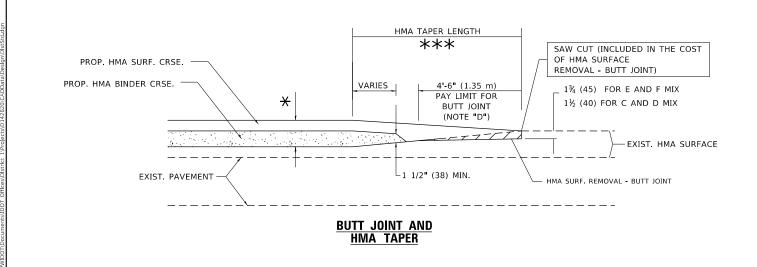


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

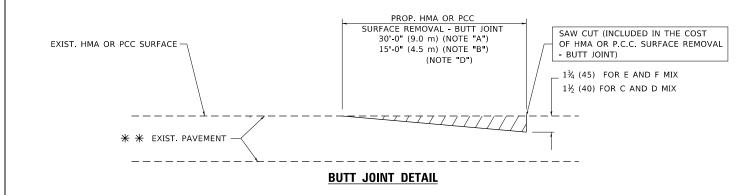
OPTION 2

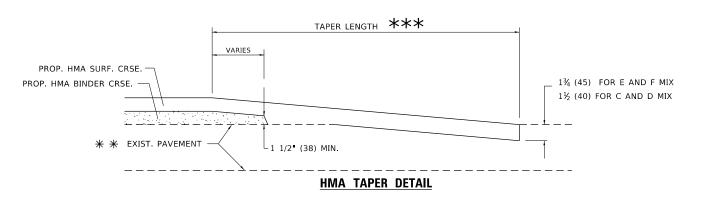
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





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.

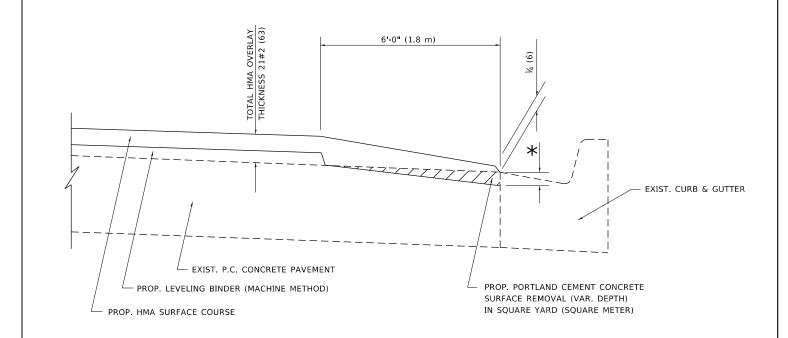
 ** SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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".

SCALE: NONE

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



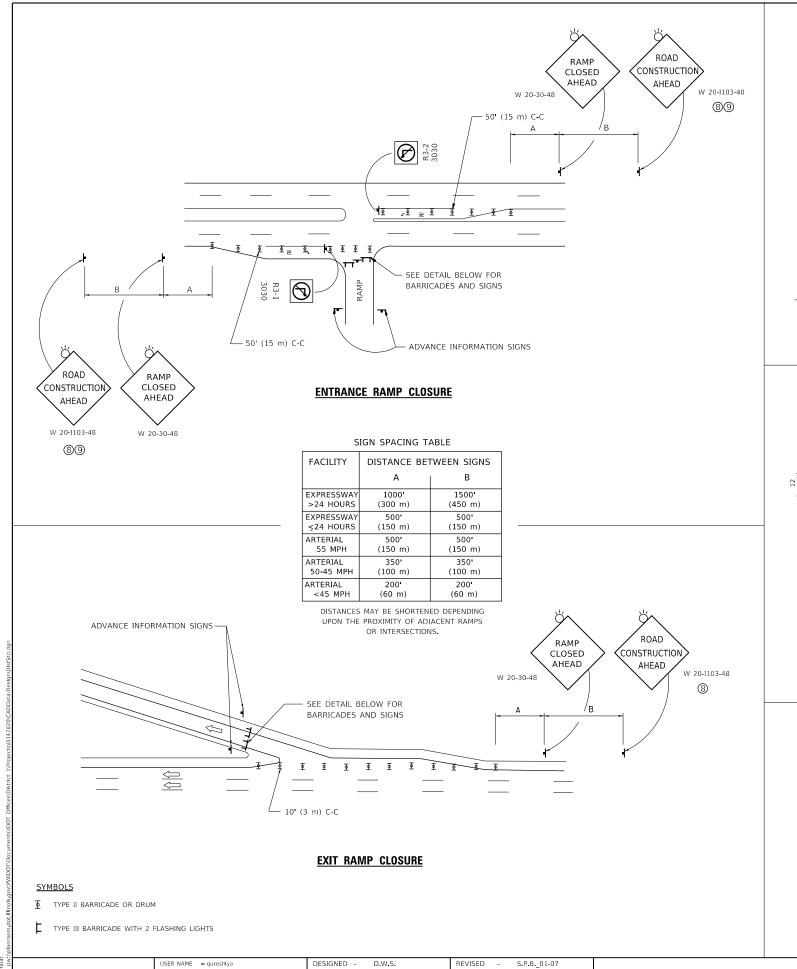
HMA TAPER AT EDGE OF P.C.C PAVEMENT

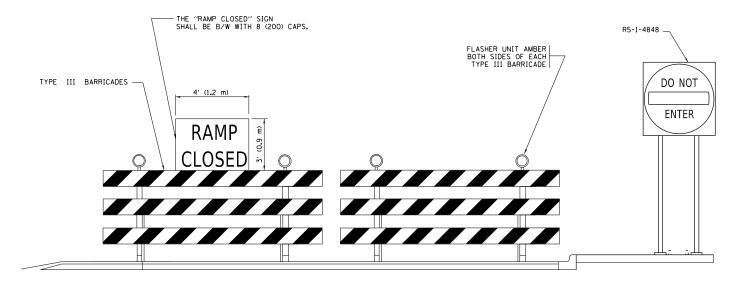
HMA SURFACE		LEVELING BINDER	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1½ (38)	1 (25)	1¼ (33)
E	1¾ (44)	¾ (19)	1½ (38)

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

USER NAME = qureshiya	DESIGNED -	R. SHAH	REVISED -	A. ABBAS 05-05-9
	DRAWN -	JIS	REVISED -	E. GOMEZ 12-21-00
PLOT SCALE = 100.0000 / in.	CHECKED -	A. ABBAS	REVISED -	R. BORO 01-01-07
PLOT DATE = 8/3/2020	DATE -	09-10-94	REVISED -	JP CHANG 07-08-16

		HMA TAPER AT									F.A.P. SECTION 332 2020-045-RS				SHEET NO.
ı		EDGE OF P.C.C. PAVEMENT)45-RS		COOK	23	15
ı				JUL	JI I	.0.0.17	VACIAICIAI		В	D400-06	(BD33)	CONTRACT	NO.	62L17
	SCALE: NONE	SHEET	1	OF	1	SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		





DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE INFORMATION SIGN



BACKGROUND MOUNTED DIAGONALLY E MOD FONT 1 (25) BORDER THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE

CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

5 (125) 6 (150) 5 (125) 6 (150) 5 (125) 6 (150) 5 (125)

THIS RAMP 6 (150) BLACK LEGEND ON WHITE BACKGROUND WILL BE 6 (150) ⅓ (12) BORDER CLOSED F MOD FONT THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE 4' (1.2 m)

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

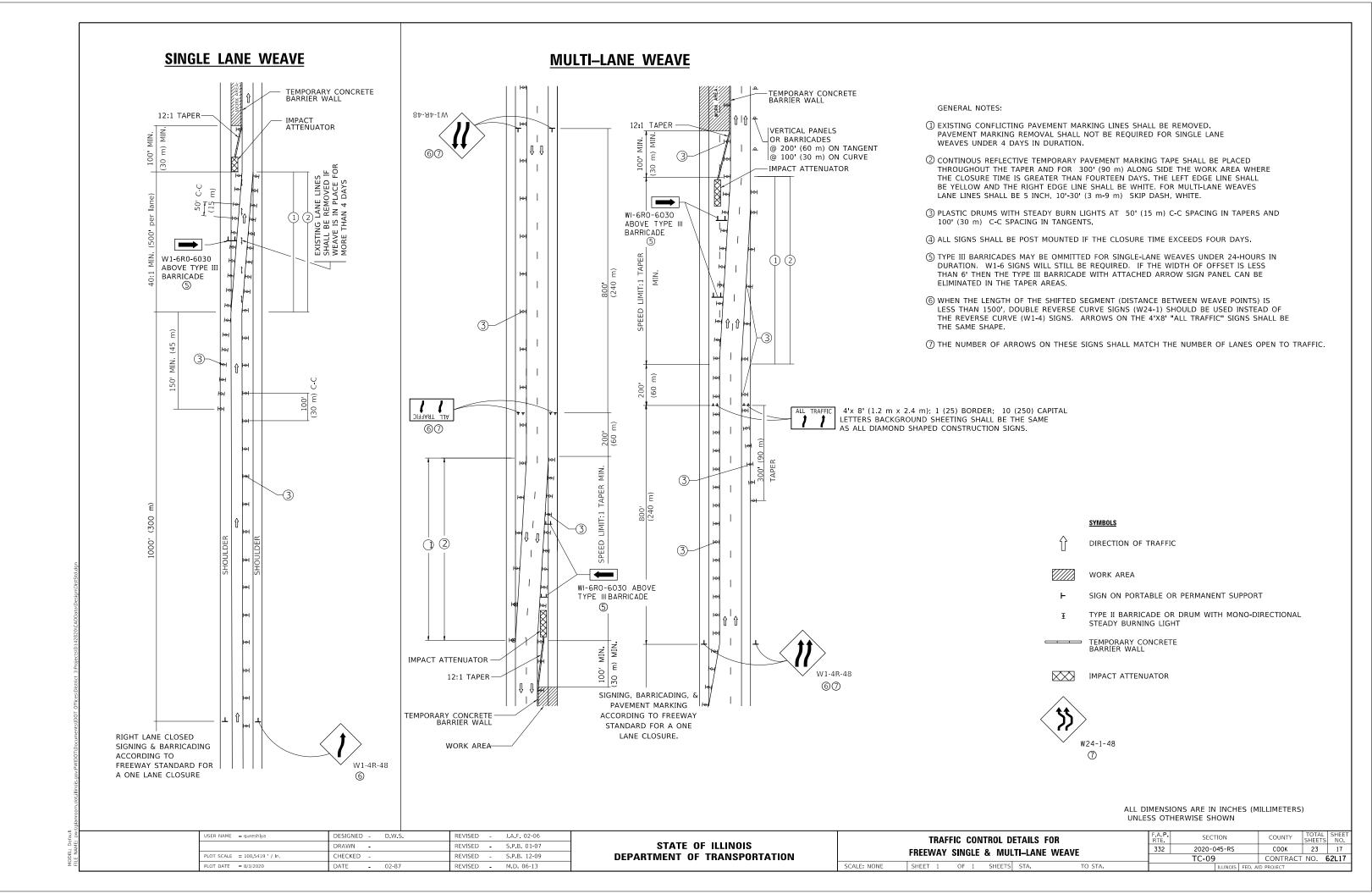
GENERAL NOTES:

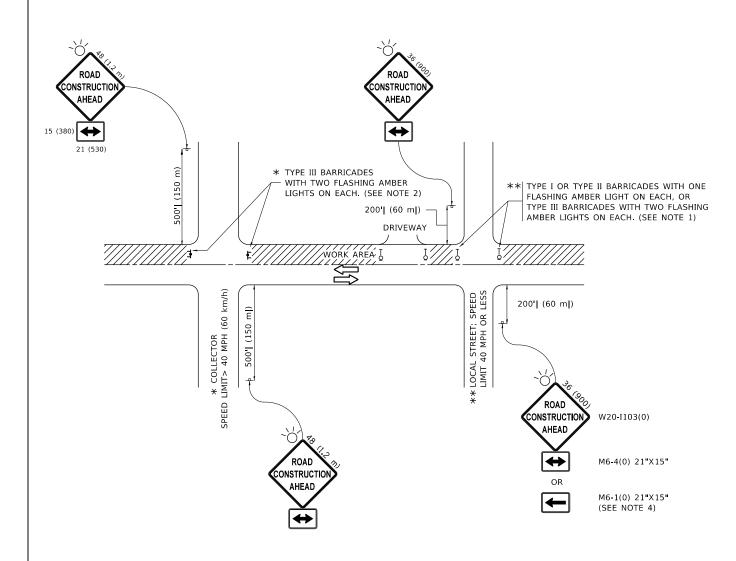
- O CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
- ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

- (6) AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- 8 ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

USER NAME = qureshlya	DESIGNED - D.W.S.	REVISED S.P.B01-07			ENTRANCE AND EXIT RAMP		F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED S.P.B12-09	STATE OF ILLINOIS		CLOSURE DETAILS		332	2020-045-RS	соок	23	16
PLOT SCALE = 100.5303 ' / in.	CHECKED -	REVISED M.D_06-13	DEPARTMENT OF TRANSPORTATION		CLUSURE_DETAILS			TC-08	CONTRAC	T NO.	62L17
PLOT DATE = 8/3/2020	DATE - 02-83	REVISED M.D01-18		SCALE: NONE	SHEET 1 OF 1 SHEETS STA.	TO STA.		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.
- THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
 b) 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
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
 4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL
 BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

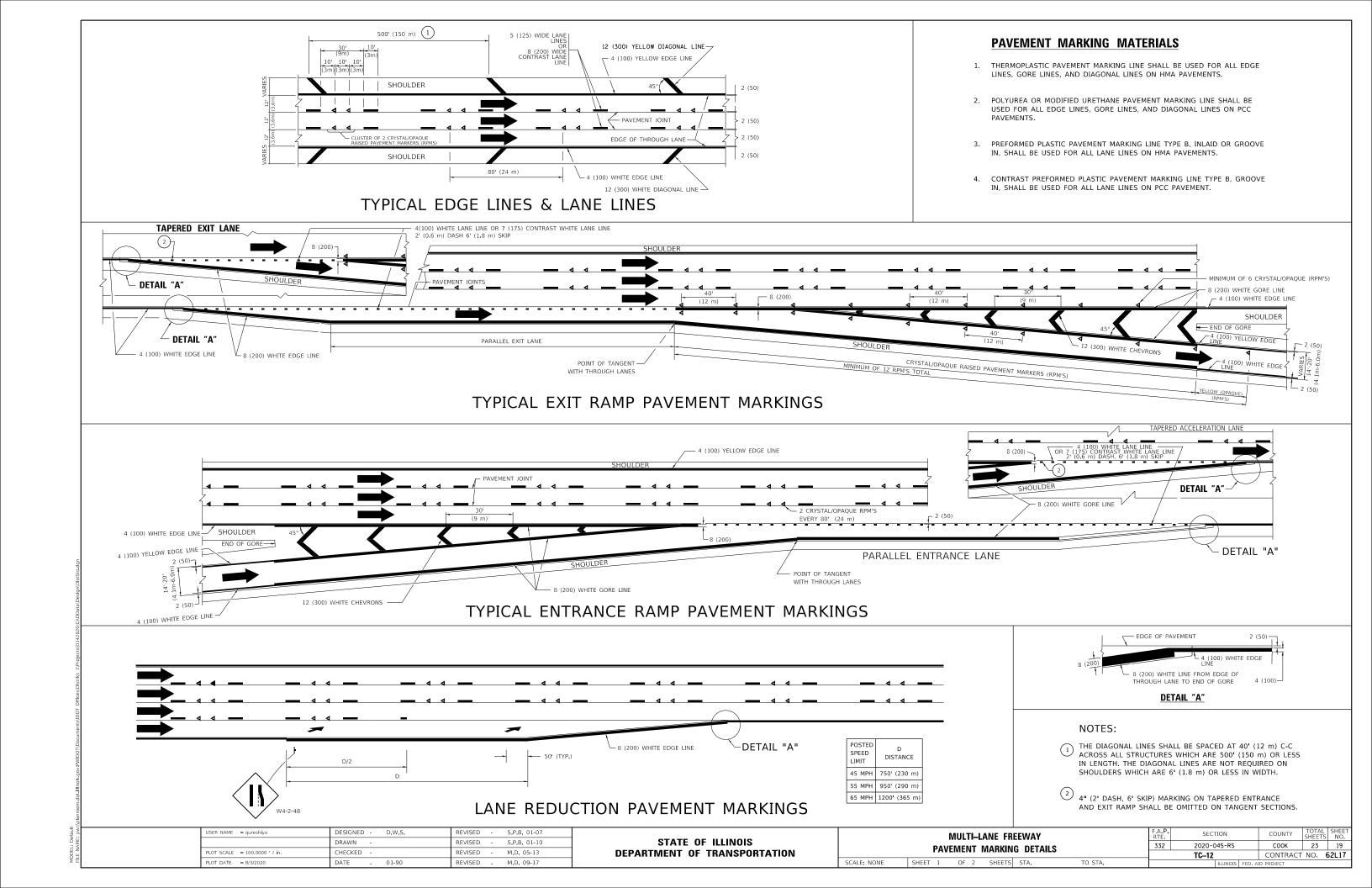
- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

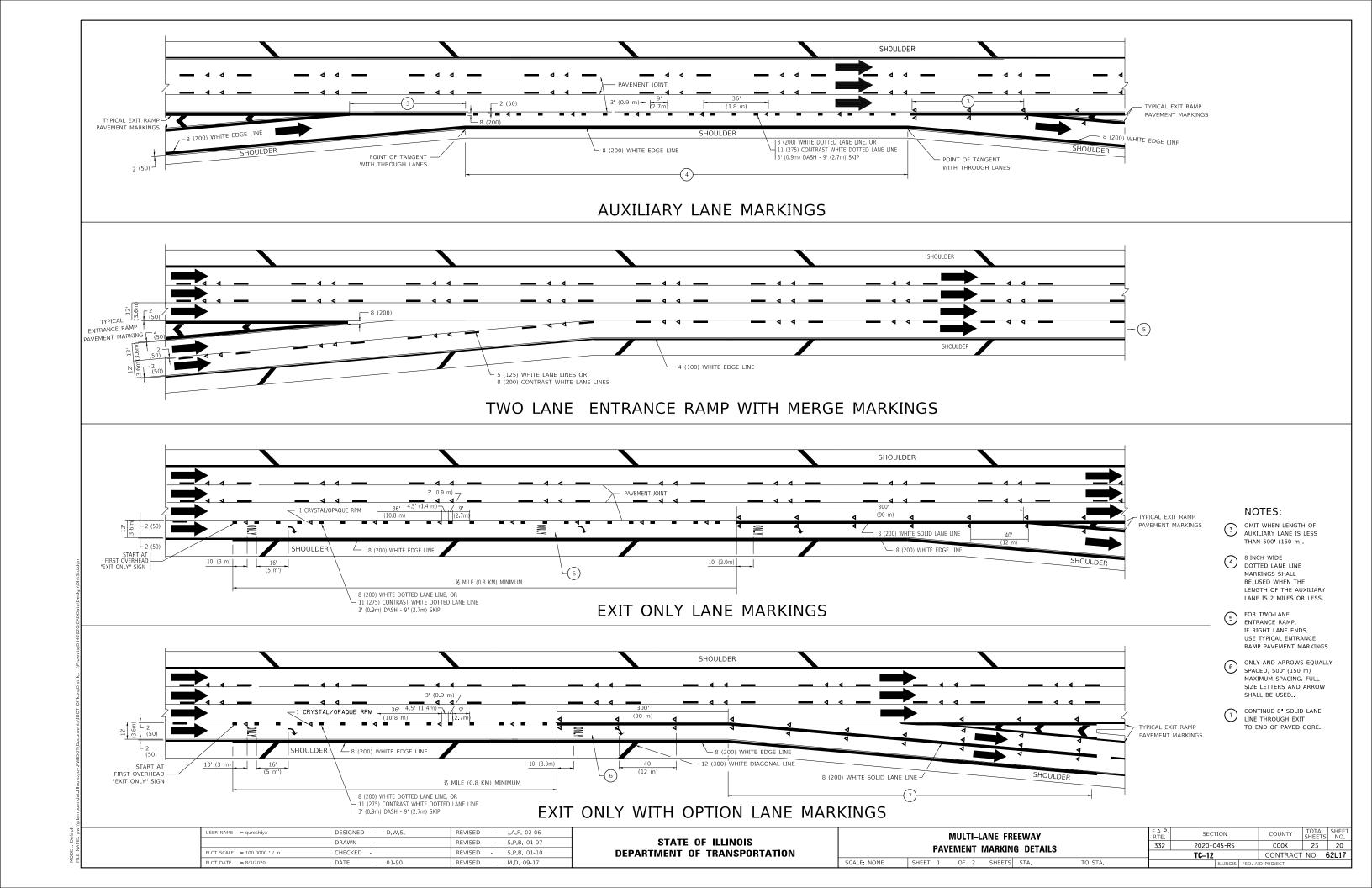
All dimensions are in inches (millimeters) unless otherwise shown.

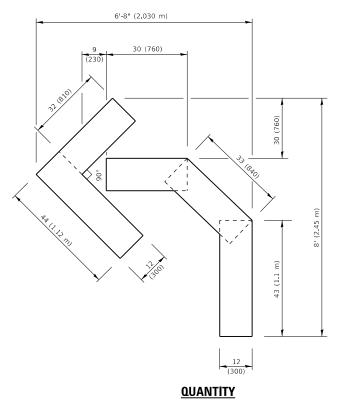
USER NAME = qureshiya	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 8/3/2020	DATE - 06-89	REVISED A SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

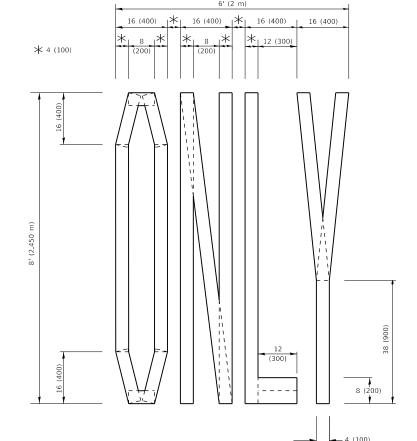
	TRAFFIC C SIDE ROADS,				TION FOR DRIVEWAYS
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.



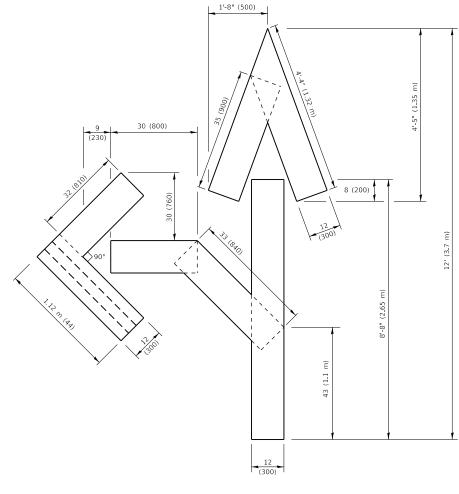




4 (100) LINE = 45.5 ft. (13.9 m) 15.2 sq. ft. (1.41 sq. m)



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

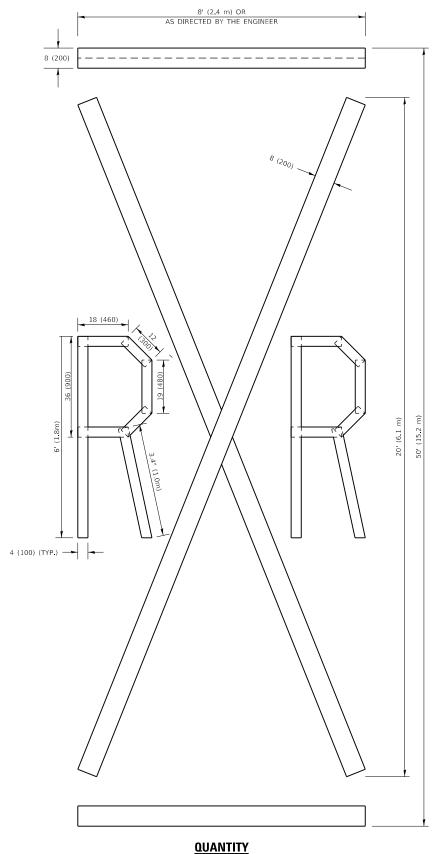


QUANTITY

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.



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

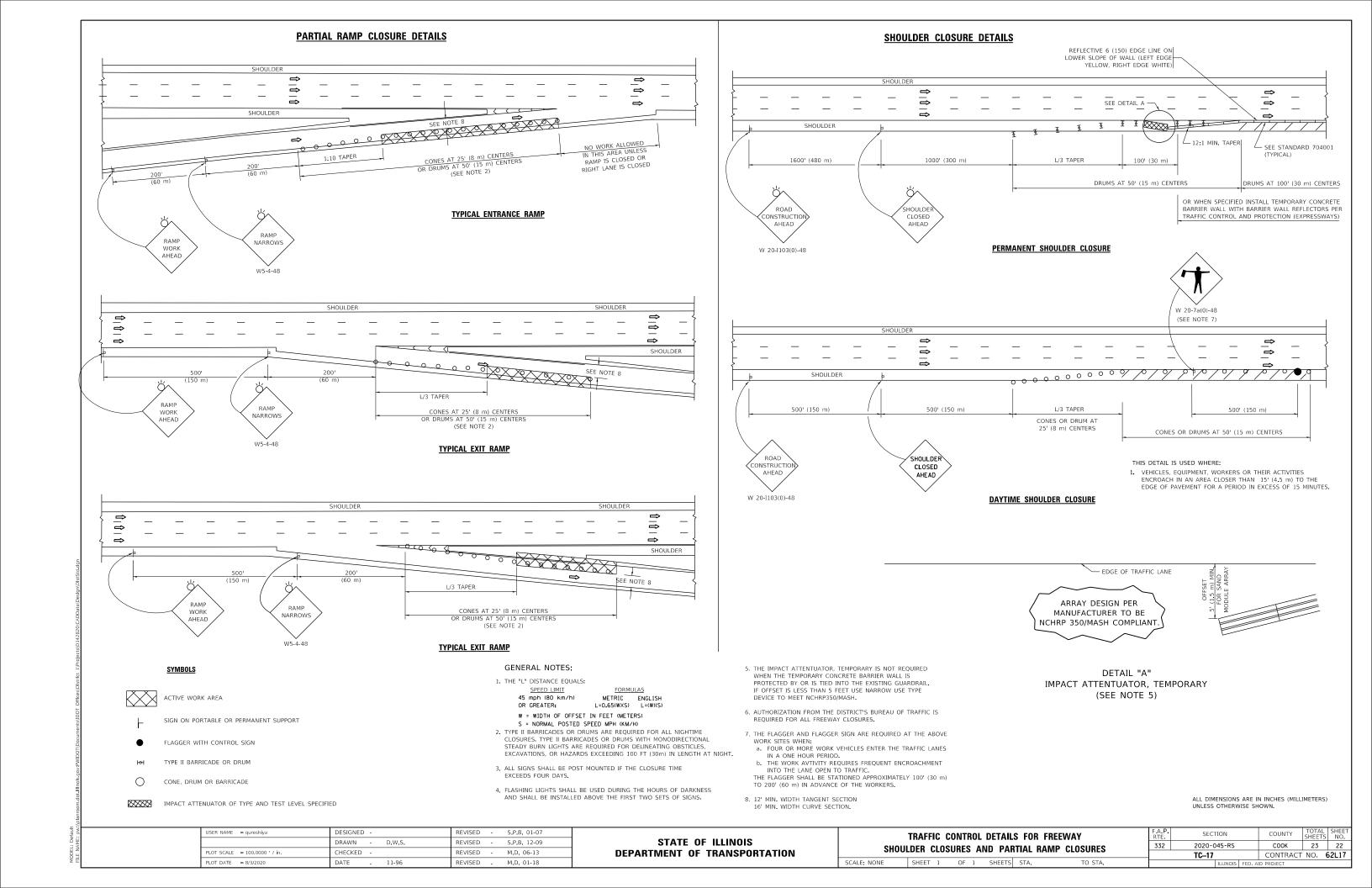
> All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = qureshlya DESIGNED -REVISED - T. RAMMACHER 03-02-98 DRAWN REVISED - E. GOMEZ 08-28-00 LOT SCALE = 100,0010 ' / In. CHECKED REVISED - E. GOMEZ 08-28-00 PLOT DATE = 8/3/2020 DATE 09-18-94 REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

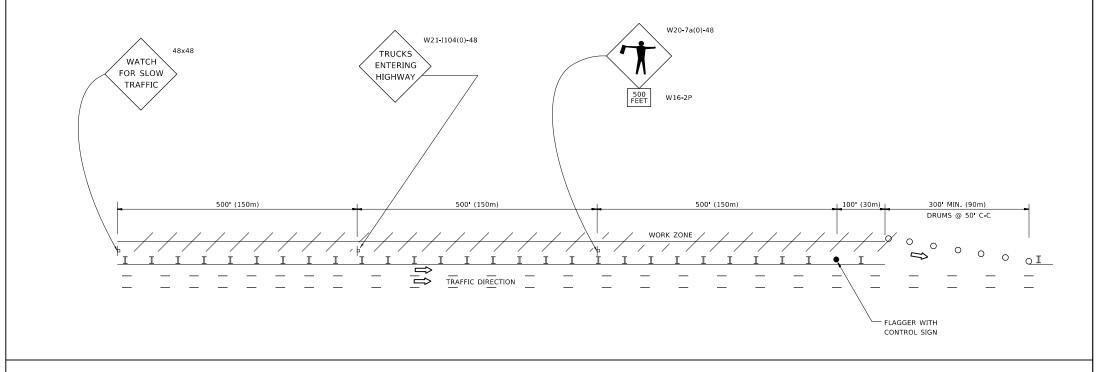
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS SCALE: NONE SHEET 1 OF 1 SHEETS STA.

TOTAL SHEET NO. 23 21 SECTION 332 2020-045-RS COOK CONTRACT NO 62L17 TC-16

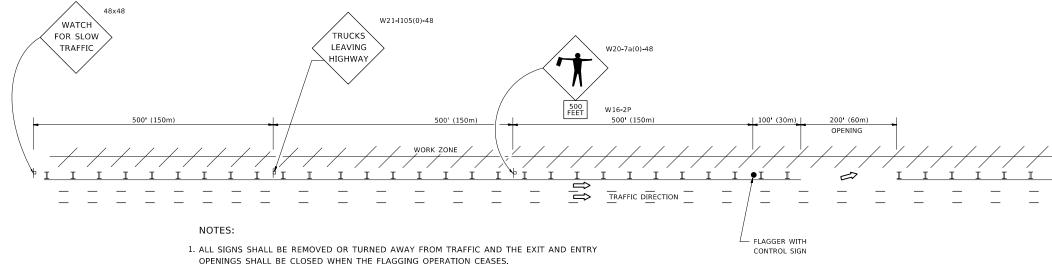


SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



- NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
- 2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
- 3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
- 4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
- 5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME = qureshiya	DESIGNED -	REVISED	-	J.A.F. 02-06
	DRAWN -	REVISED	-	S.P.B. 01-07
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED	-	S.P.B. 12-09
PLOT DATE = 8/3/2020	DATE -	REVISED	_	M.D.06-13

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
332	2020-045-RS			СООК	23	23
TC-18				CONTRACT	NO.	52L17
	ILLI	INOIS	FED. AI	ID PROJECT		