0

0

# STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

#### 2021-017-RS&SW соок 18 CONTRACT NO. 62N76

D-91-126-21

# **PROPOSED** HIGHWAY PLANS

O.R. ROUTE 24: KEAN ROAD

FROM: IL-83 (CAL-SAG RD.) TO 119TH ST.

**SECTION: 2021-017-RS&SW** 

STANDARD OVERLAY, ADA IMPROVEMENTS, AND MILLED RUMBLE STRIP **COOK COUNTY** 

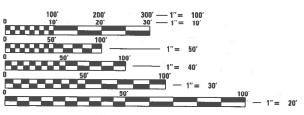
C-91-149-21

THE IMPROVEMENT IS LOCATED IN THE VILLAGE OF PALOS PARK.

TRAFFIC DATA: KEAN ROAD 2010 ADT = 200 POSTED SPEED LIMIT = 35 MPH

DESIGN DESIGNATION: LOCAL ROAD OR STREET

STANDARD OVERLAY BRIDGE OMISSION: BRIDGE OVER MILL CREEK STA. 18+25 TO STA. 19+38



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

CONTRACT NO. 62N76

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255

PROJECT MANAGER: FAWAD AQUEEL

**IMPROVEMENT ENDS** R 12 E STA. 42 + 97CALUMET 119TH ST. 131ST S COOK **IMPROVEMENT BEGINS** STA. STA. 10 + 00 PALOS TOWNSHIP

> GROSS LENGTH = 3,297 FT. = 0.62 MILE NET LENGTH = 3.184 FT. = 0.60 MILE

STATE OF ILLINOIS

LOCATION OF SECTION INDICATED THUS: - -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

**REV-SEP** 

#### INDEX OF SHEETS STANDARDS

HEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET	000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS.
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
3-5	SUMMARY OF QUANTITIES	442201-03	CLASS C AND D PATCHES.
6	TYPICAL SECTIONS	482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
7-8	ROADWAY AND PAVEMENT MARKING PLANS	542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION.
0.10		701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY.
9-10	PROPOSED LANDSCAPING DETAILS  DISTRICT ONE ADA CURB RAMP DETAIL (PD-01)	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE.
12	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY.
		701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS.
13	BD-32: BUTT JOINT AND HMA TAPER DETAILS	701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS, DAY ONLY.
14	BD-55: RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED.
15	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS,	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE.
	INTERSECTIONS AND DRIVEWAYS	701901-08	TRAFFIC CONTROL DEVICES.
16	TC-11: TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	720001-01	SIGN PANEL MOUNTING DETAILS.
17	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS	720006-04	SIGN PANEL ERECTION DETAILS.
17		728001-01	TELESCOPING STEEL SIGN SUPPORT.
18	TC-22: ARTERIAL ROAD INFORMATION SIGN		

#### **GENERAL NOTES**

- 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 REQUIRED)
- . THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES WITHIN THE VILLAGE OF PALOS PARK.
- 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.
- 5. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

#### **GENERAL NOTES (CONTINUED)**

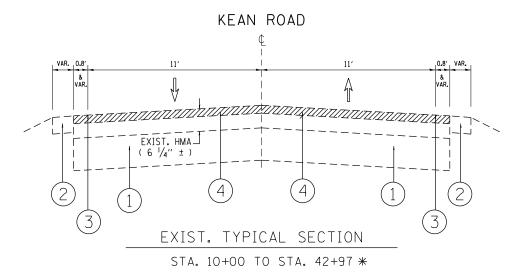
- 6. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 7. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ 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 RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H. THE CONTRACTOR WILL NOT BE PAID EXTRA IF MULTIPLE PASSES OR SCABBING REMOVAL IS REQUIRED.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
- 9. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS, UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 10. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- 11. 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.
- 12. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 13. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 14. 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.
- 15. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
- 16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 17. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 18. PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
- 19. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 20. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- 21. GAPS BETWEEN SUCCESSIVE LANE CLOSURES SHALL NOT BE LESS THAN 2 MILES (3 KM) IN LENGTH ACCORDING TO ARTICLE 701.05 MAXIMUM LENGTH OF LANE CLOSURE
- 22. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 23. ALL SIDE CURB FOR ADA SIDEWALK WILL NOT BE PAID SEPARATELY BUT MEASURED IN SF AS PART OF THE SIDEWALK.
- 4. CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT.

USER NAME = paraynoal	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2021	DATE -	REVISED -

170		SUMMARY OF QUANTITIES				CO	NSTRUCTION	TYPE CO	ODE		SUMMARY OF QUANTITIES				СО	NSTRUCTIO	N TYPE CO	DDE	
Control   Title   Dept		SUMMANT OF GUARTITIES		TOTAL	0005	0005					SUMMARY OF GUARTITIES		TOTAL	0005	0005				
Part	CODE NO	ITEM	UNIT	QUANTITIES		100% STATE				CODE NO	ITEM	UNIT	QUANTITIES	1	100% STATE				
100   100	20100110	TREE REMOVAL (6 OVER 15 UNITS DIAMETER)	UNIT			10070 317(12				42400800	DETECTABLE WARNINGS	SQ FT							
100   100														1					
	20200100	EARTH EXCAVATION	CU YD	40	40					44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	9165	9165					
2000000 SPETIONAL MITTERS (TACK COUNT) PRIME SET OF STATE STATE SPECIAL SPECIA	21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	55	55					44000600	SIDEWALK REMOVAL	SO FT	400	400					
2000000 SPETIONAL MITTERS (TACK COUNT) PRIME SET OF STATE STATE SPECIAL SPECIA																			
Marchine	25200110	SODDING, SALT TOLERANT	SO YD	55	55					44201803	CLASS D PATCHES, TYPE II. 13 INCH	SQ YD	90	90					
Company   Comp	25200200	SUPPLEMENTAL WATERING	UNIT	0.6	0.6					44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	75	75					
MINITED FOR CRACKS, JOINTS, AND   10   28   28   28   28   28   28   28   2	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6187	6187					44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	140	140					
MINITED FOR CRACKS, JOINTS, AND   10   28   28   28   28   28   28   28   2																			
FLANCEANTS    FLANCEANTS	40600370	LONGITUDINAL JOINT SEALANT	FOOT	3471	3471					48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	153	153					
Second   S	40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	28	28					50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2					
Monorary   Motor   Monorary   M		FLANGEWAYS																	
JOINT    50920024   PIPE CULVERTS TO BE CLEANED 24"   FOOT 30   30   30										54213669	PRECAST REINFORCED CONCRETE FLARED END	EACH	2	2					
6092024 PIPE CULVERTS TO BE CLEANED 24" FOOT 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SO YD	195	195						SECTIONS 24"								
40603200 POLYMERIZED HOT-MIX ASPHALT BINDER 10N 379 379 379 379 379 379 379 379 379 379		JOINT																	
40604060 HOT-MIX ASPHALT SURFACE COURSE, IL-9, 5, TON 770 770	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER	TON	379	379					60920024	PIPE CULVERIS TO BE CLEANED 24"	F001	30		30				
MIX "D", N50		COURSE. 1L-4.75, N50								* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	40	40					
MIX "D", N50	40604060	HOT-MIX ASPHALT SURFACE COURSE. IL-9.5.	TON	770	770					<b>*</b> 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					
# 66901001 REGULATED SUBSTANCES PRE-CONSTRUCTION LSUM 1 1 1														<u> </u>					
42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SO FT 400 400   ** SPECIALTY ITEMS  ** SPECIALTY ITEMS  ** SPECIALTY ITEMS  ** DESIGNED - REVISED - REVISE										<b>*</b> 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION	LSUM	1	1					
* SPECIALTY ITEMS  ** SPECIALTY ITEMS	42001300	PROTECTIVE COAT	SO YD	45	45						PLAN								
FILE NAME = USER NAME = paragraph   DESIGNED - REVISED - COUNTY TOTAL SHEET NEW SHEET	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	400	400														
FILE NAME = USER NAME = paragraph   DESIGNED - REVISED - COUNTY TOTAL SHEET NEW SHEET																			
L VEAN DOAD / H 02 /OAL CAC DOAD) TO 440TH CTREET \   DTC   SECTION   CURNIT   CHEETE NO	FILE NAME =	USER NAME = paraynool DFS	IGNED -		REVISED						_				O.R.	CECTI	ON	COUNTY (TO	OTAL (SHEET
STATE OF ILLINOIS PLOT SCALE = 1000000 '/ In. PLOT DATE = 12/15/2021 DATE - REVISED - PROVISED - REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  REVISED - SCALE = 1000000 '/ In. PLOT DATE = 12/15/2021 DATE - REVISED - SCALE = 1000000 '/ In. PLOT DATE = 12/15/2021 DATE - REVISED - SCALE = 1000000 '/ In. PLOT		n-PHILDOT Documents NDOT Of the solistriat NPro Jed's DII252NCADData CestgrhDII2521-sht-Sol appR I PLOT SCALE = 100,0000 '/ In. CHE	AWN - CKED -		REVISED REVISED	-		DI			TION SUMMARY	OF QUANT	ITIES		24	2021-017-	RS&SW	COOK CONTRACT N	18 3

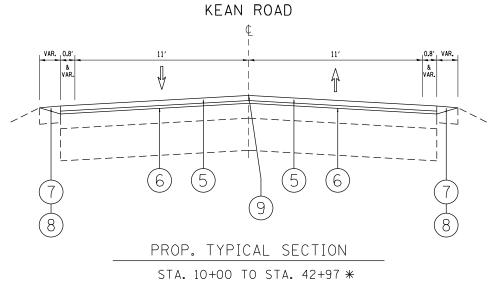
	SUMMARY OF QUANTITIES				CO	NSTRUCTIO	N TYPE C	ODE			SUMMAF	RY OF QUANTITIES				CONS	TRUCTION TYP	E CODE	
			TOTAL	0005	0005									TOTAL	0005	0005			
CODE NO	ITEM	UNIT	OUANTITIES URBAN	100% STATE	100% STATE					CODE NO		ITEM	UNIT	QUANTITIES URBAN	100% STATE 10	00% STATE			
<del>*</del> 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	LSUM	1	1						70306120	TEMPORARY PA	VEMENT MARKING - LINE 4"	FOOT	791	791				
	REPORT										- TYPE III T	APE							
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	6	6						72000100	SIGN PANEL -	TYPE 1	SQ FT	51	51				
67100100	MOBILIZATION	L SUM	1	1						72800100	TELESCOPING	STEEL SIGN SUPPORT	FOOT	60	60				
								ı											
70102620	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					:	₩ 78000200	THERMOPLASTIC	PAVEMENT MARKING - LINE 4"	FOOT	6504	6504				
	STANDARD 701501																		
									;	<b>*</b> 78000400	THERMOPLASTIC	PAVEMENT MARKING - LINE 6"	F00T	90	90				
70102640	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1															
	STANDARD 701801								;	<b>*</b> 78000600	THERMOPLASTIC	PAVEMENT MARKING - LINE 12"	FOOT	170	170				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3161	3161					;	* 78000650	THERMOPLASTI	C PAVEMENT MARKING - LINE 24"	FOOT	50	50				
													<u> </u>						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1318	1318					 	* 78100100	RAISED REFLE	CTIVE PAVEMENT MARKER	EACH	140	140				
70300221	TEMPORARY PAVEMENT MARKING	FOOT	12500	12500						78300200	RAISED REFLE	CTIVE PAVEMENT MARKER REMOVAL	EACH	130	130				
	- LINE 4" - PAINT																		
										78300202	PAVEMENT MAR	KING REMOVAL - WATER BLASTING	SQ FT	4351	4351				
70300241	TEMPORARY PAVEMENT MARKING	FOOT	90	90															
	- LINE 6" - PAINT									x0320050	CONSTRUCTION	LAYOUT (SPECIAL)	L SUM	1	1				
70300261	TEMPORARY PAVEMENT MARKING	FOOT	170	170						x0326898	CENTER LINE	- RUMBLE STRIP - 16"	FOOT	3471	3471				
	- LINE 12" - PAINT																		
										X2020110	GRADING AND	SHAPING SHOULDERS	UNIT	68	68				
70300281	TEMPORARY PAVEMENT MARKING	FOOT	50	50															
	- LINE 24" - PAINT																		
				1															
												* SPECIALTY ITEMS							
FILE NAME =  pw:\\Vidot-pw.bentiey.com:	WIDOT\Documents\DOT Offices\District \Projects\DII262\CADData\Design\DII262i-shi-50Cd\QR			REVISED REVISED	-				ATE OF I			KEAN ROAD (IL–83 (CAL– SUMMARY			TREET )	0.R. RTE.	SECTION 2021-017-RS&SW	СООК	TOTAL SHEET SHEETS NO. 18 4
	PLOT SCALE = 100,0000 ' / In.	ICKED -		REVISED REVISED	<u>-</u>		D	EPARTME	NT OF TI	RANSPORTA		SCALE: SHEET NO. OF			O STA.		DIST. NO. 1   ILLINOIS   FE	CONTRACT	NO. 62N76

	SUMMARY OF QUANTI	TIFS			CC	ONSTRUCTION	N TYPE CODE SUMMARY OF QUANTITIES					COI	CONSTRUCTION TYPE CODE						
	SUMMANT OF QUANTI	1123	TOTAL	0005	0005						SUMMA	ART OF QUANTITIES		TOTAL	0005 0005				
CODE NO	ITEM	UNIT	QUANTITIES URBAN		100% STATE	<u> </u>				CODE NO		ITEM	UNIT	QUANTITIES	100% STATE 100% STATE				
x6700407	ENGINEER'S FIELD OFFICE, TYPE	A (D1) CAL MO	12	12															
* x7800815	HOT SPRAY THERMOPLASTIC PAVEME	NT FOOT	6053	6053															
	MARKING LINE - 4 INCH																		
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	52	52															
								1											
Z0064800	SELECTIVE CLEARING	UNIT	67	67				1											
			<u> </u>	<u> </u>	<u> </u>		<u> </u>												
								<u> </u>											
												* SPECIALTY ITEMS	;						
FILE NAME =	USER NAME = paraynoal	DESIGNED -		REVISED				<u> </u>	ATE OF				L–83 (CAL–SAG ROAD)	TO 119TH ST	FREET ) O.R. RTE.	SECTIO	N	COUNTY TO	TAL SHEET ETS NO.
pw:\\idot-pw.benfley.com	#PHIDOT Documents \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CHECKED -  DATE -		REVISED REVISED REVISED	-		D	51 EPARTME	NT OF T	ILLINOIS RANSPORTA	TION		SUMMARY OF QUANT  O. OF SHEETS STA	ITIES	24	2021-017-R	S&SW (	COOK 1	8 5



#### \* STANDARD OVERLAY BRIDGE OMISSION:

BRIDGE OVER MILL CREEK STA. 18+25 TO STA. 19+38 (SEE COVER SHEET AND ROADWAY PLAN)



#### NOTES:

- 1. THE CONTRACTOR SHALL MILL THE ROADWAY FIRST, THEN DO PAVEMENT PATCHING PER BD-22 DETAIL.
- 2. THE PROPOSED LOGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE, IL-4.75, N50.

#### **LEGEND**

- (1) EXISTING P.C.C. PAVEMENT, ± 9"
- 2) EXISTING AGGREGATE SHOULDER
- (3) EXISTING WHITE EDGE STRIPING
- 4) PROP. HMA SURFACE REMOVAL, 2 1/4"
- (5) PROP. HMA SURFACE COURSE, MIX "D", IL-9.5, N50,  $1 \frac{1}{2}$ "
- (6) PROP. POLY. HMA BINDER COURSE, IL-4.75, N50,  $\frac{3}{4}$ "
- (7) PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- 8) PROP. GRADING AND SHAPING SHOULDERS
- (9) PROP. CENTER LINE RUMBLE STRIP 16"

#### **HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

AIR VOIDS @ NDES	QMP
_	
4% AT 50 GYR.	QC / QA
3.5% AT 50 GYR.	QC / QA
4% AT 70 GYR.	QC / QA
	4% AT 50 GYR.  3.5% AT 50 GYR.

QMP Designation: Quality Control/Quality Assurance (QC/QA).

#### NOTES:

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

SECTION

2021-017-RS&SW

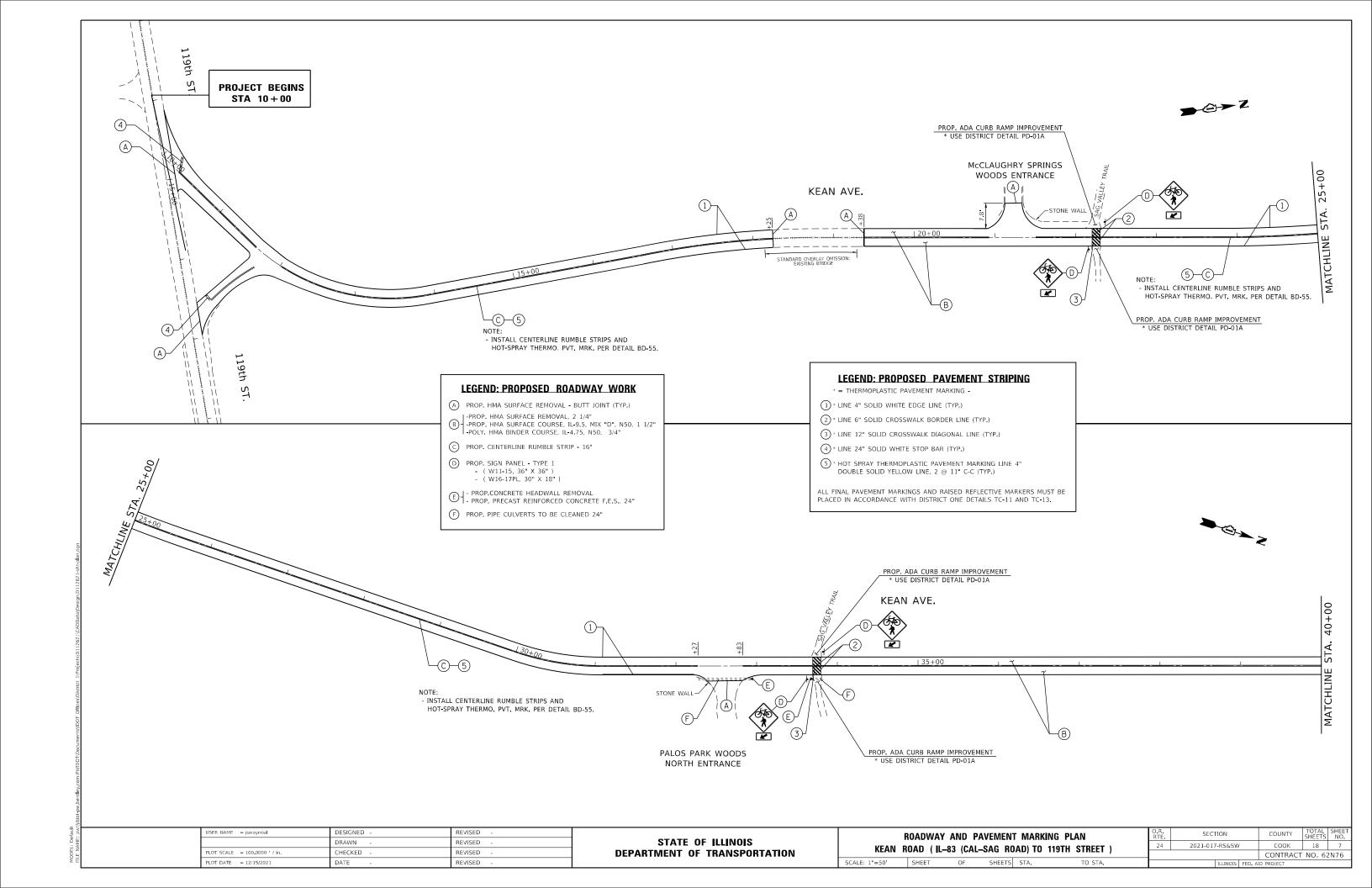
соок

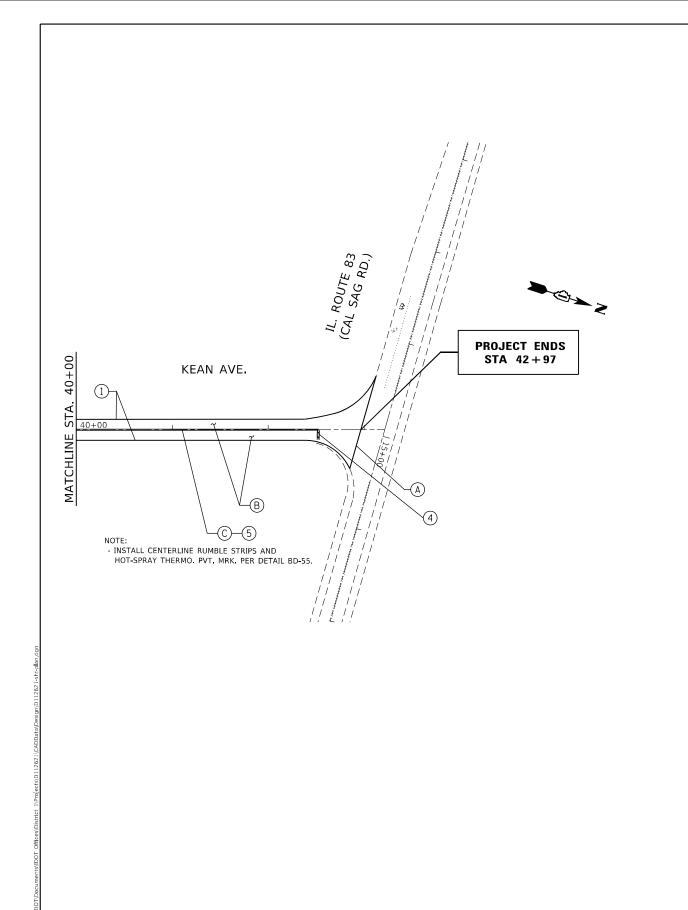
18

CONTRACT NO. 62N76

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 RECLAIMED MATERIALS SPECIFICATIONS.

USER NAME = paraynoal	DESIGNED -	REVISED -		KEAN F	ROAD (IL-8	3 (CAL-S	SAG RO	AD) TO 119TH	STREET \
	DRAWN -	REVISED -	STATE OF ILLINOIS			- ,		•	•
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	E	XISTING AN	ND PROP	POSED	TYPICAL SECTION	JNS
PLOT DATE = 12/15/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.





#### **LEGEND: PROPOSED ROADWAY WORK**

- A PROP. HMA SURFACE REMOVAL BUTT JOINT (TYP.)
- B -PROP. HMA SURFACE REMOVAL, 2 1/4"
  -PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
  -POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"
- © PROP. CENTERLINE RUMBLE STRIP 16"
- D PROP. SIGN PANEL TYPE 1
   ( W11-15, 36" X 36" )
   ( W16-17PL, 30" X 18" )
- E PROP.CONCRETE HEADWALL REMOVAL
   PROP. PRECAST REINFORCED CONCRETE F.E.S., 24"
- F PROP. PIPE CULVERTS TO BE CLEANED 24"

#### **LEGEND: PROPOSED PAVEMENT STRIPING**

- $^{\scriptscriptstyle{ imes}}$  = THERMOPLASTIC PAVEMENT MARKING -
- 1) × LINE 4" SOLID WHITE EDGE LINE (TYP.)
- 2 × LINE 6" SOLID CROSSWALK BORDER LINE (TYP.)
- 3)× LINE 12" SOLID CROSSWALK DIAGONAL LINE (TYP.)
- 4 × LINE 24" SOLID WHITE STOP BAR (TYP.)
- ⑤ \* HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4\* DOUBLE SOLID YELLOW LINE, 2 @ 11\* C-C (TYP.)

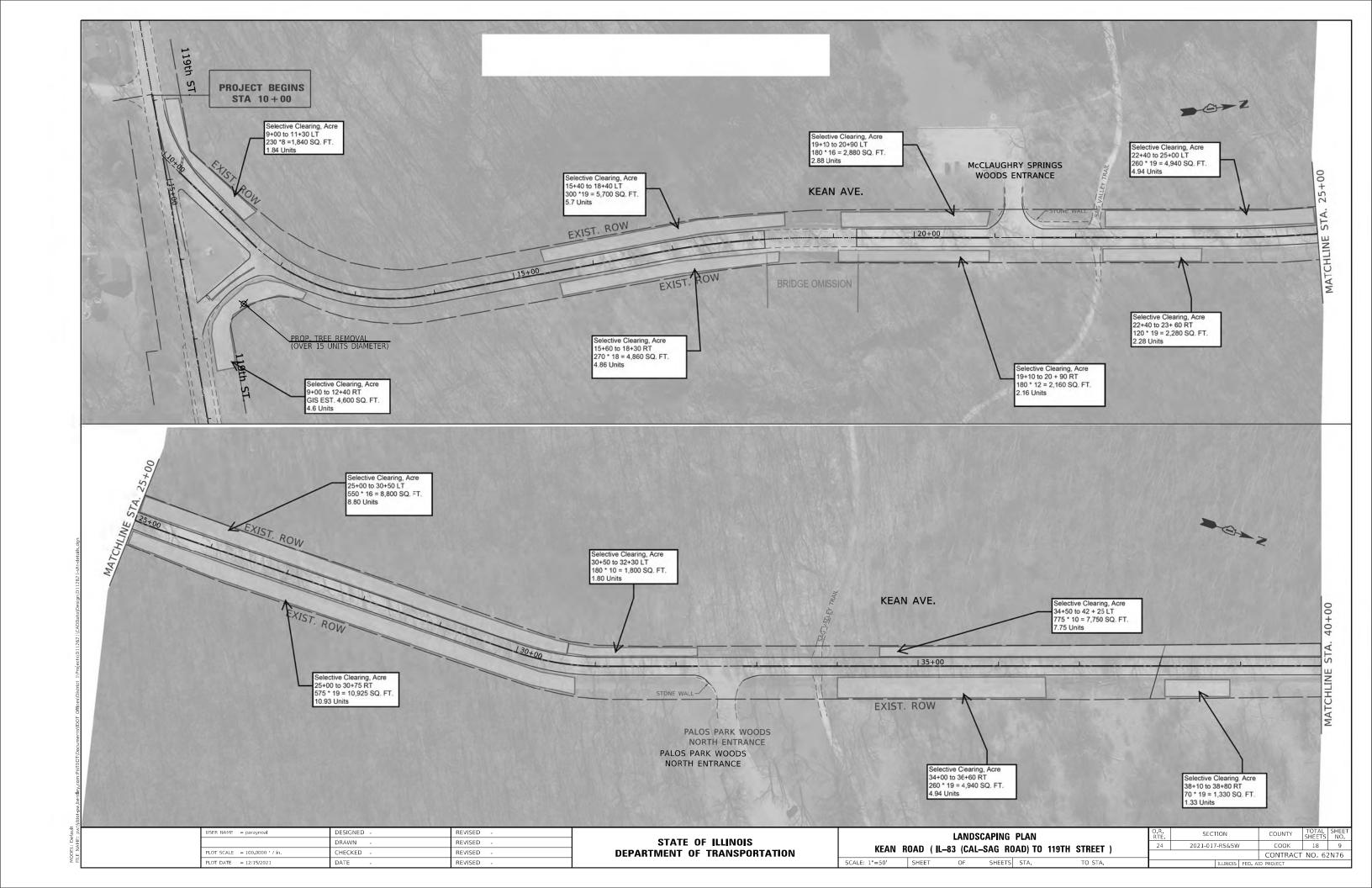
ALL FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS MUST BE PLACED IN ACCORDANCE WITH DISTRICT ONE DETAILS TC-11 AND TC-13.

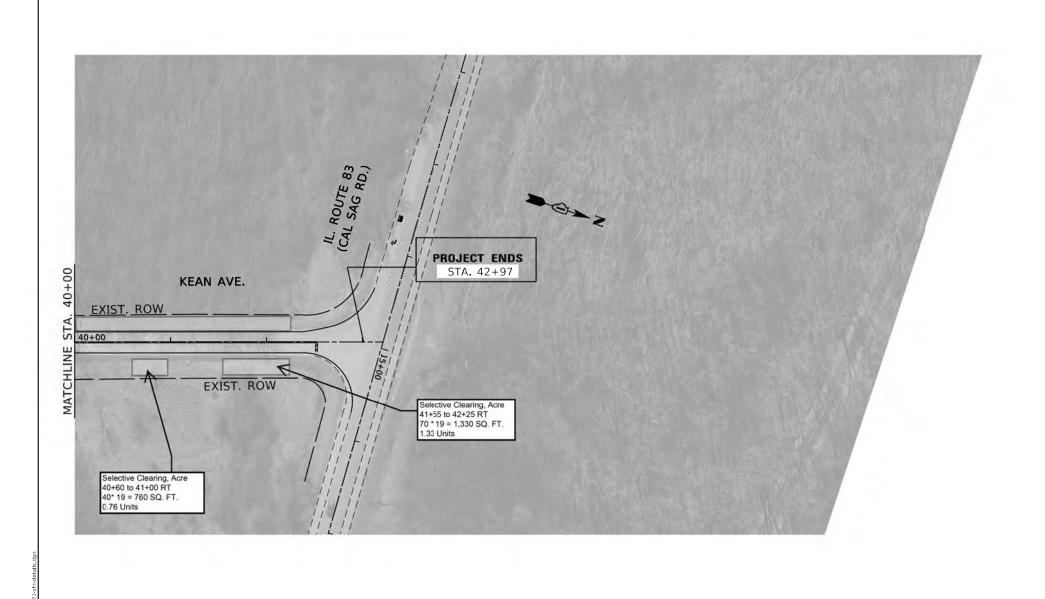
USER NAME = paraynoal	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2021	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

ROADWAY AND PAVEMENT MARKING PLAN KEAN ROAD ( IL-83 (CAL-SAG ROAD) TO 119TH STREET )

SECTION COOK 18 8 2021-017-RS&SW CONTRACT NO. 62N76





STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

 KEAN ROAD ( IL-83 (CAL-SAG ROAD) TO 119TH STREET )
 O.R. RTE.
 SEC

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

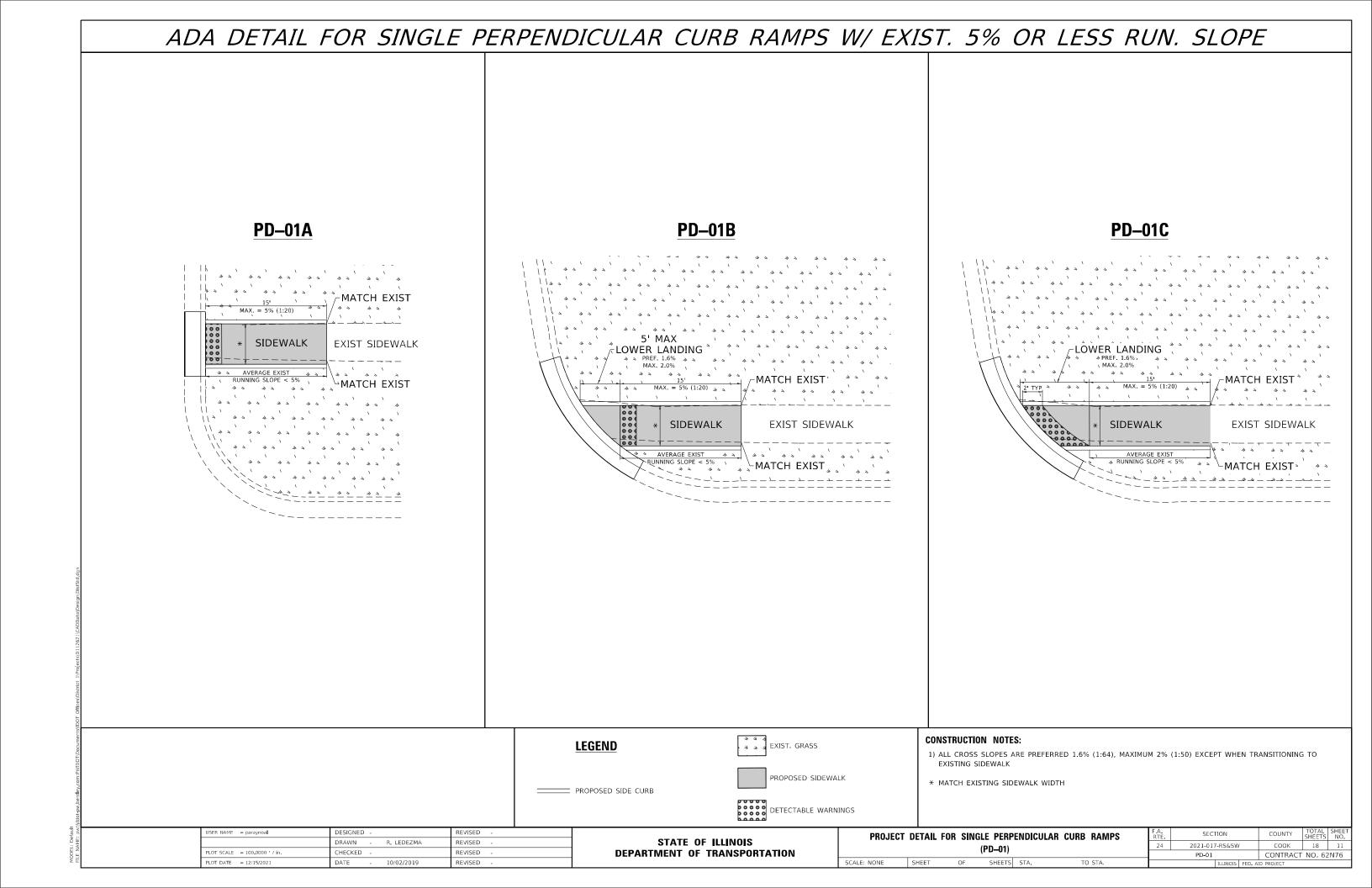
 O.R. RTE.
 SECTION
 COUNTY
 TOTAL SHEET NO.

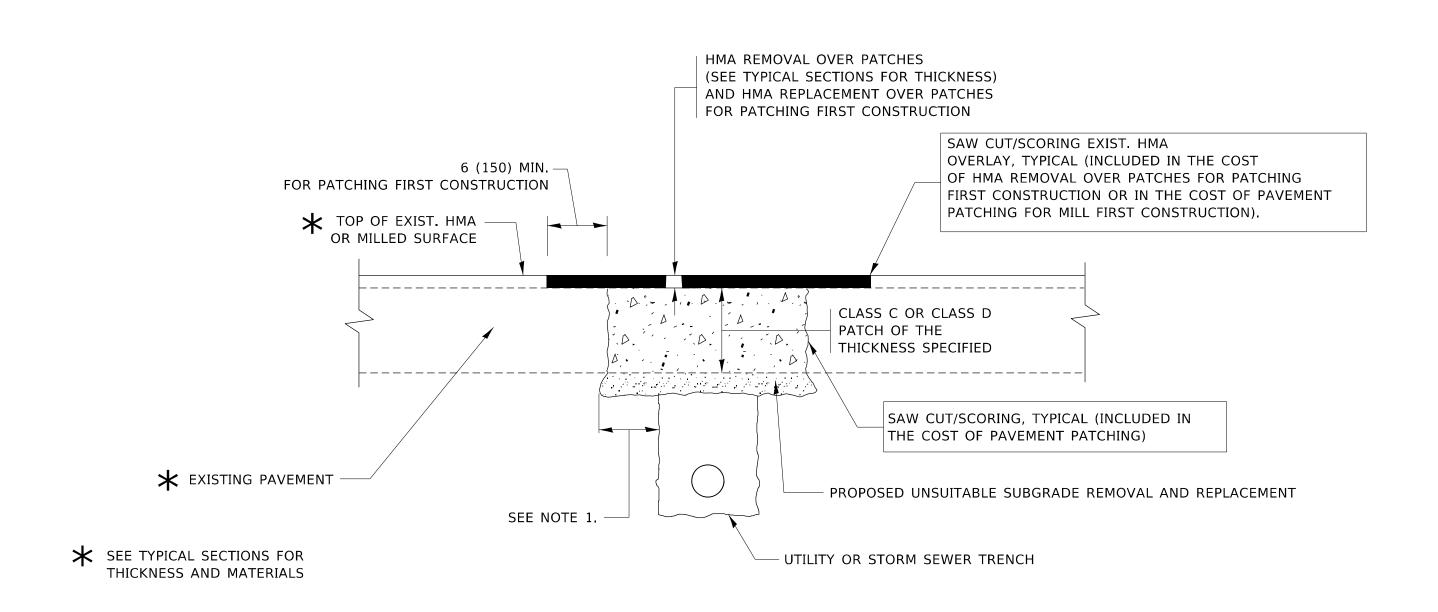
 24
 2021-017-RS&SW
 COOK
 18
 10

 CONTRACT NO. 62N76

 ILLINOIS FED. AID PROJECT

10DEL: Default ILE NAME: pw:\\idot-pw.bentley.com





#### 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)**

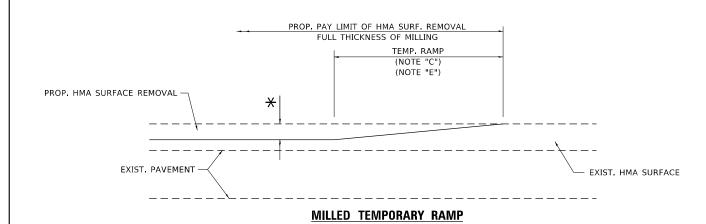
- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

# **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.

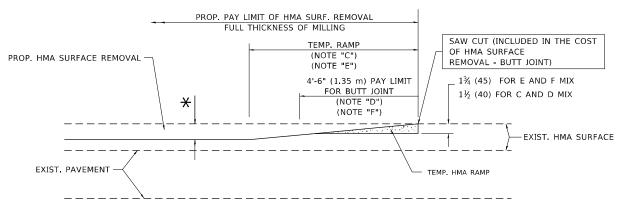
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = paraynoal	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	OTATE OF HUMBIO		PAVEMENT PATCHING FOR		RTE.	SECTION	COUNTY
	DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS		HMA SURFACED PAVEMENT		24	2021-017-RS&SW	соок
PLOT SCALE = 100.0000 / in	CHECKED -	REVISED - R. BORO 09-04-07	DEPARTMENT OF TRANSPORTATION		IIIVIA SUNI AULU FAVLIVILIVI			BD400-04 (BD-22)	CONTRACT
PLOT DATE = 12/15/2021	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET 1 OF 1 SHEETS STA.	TO STA.		ILLINOIS FED	AID PROJECT



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

#### OPTION 1

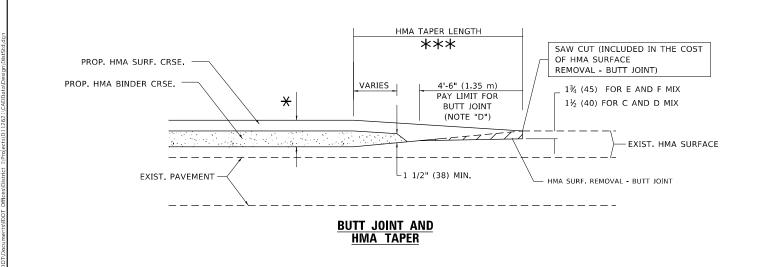


#### HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

#### OPTION 2

# TYPICAL TEMPORARY RAMP

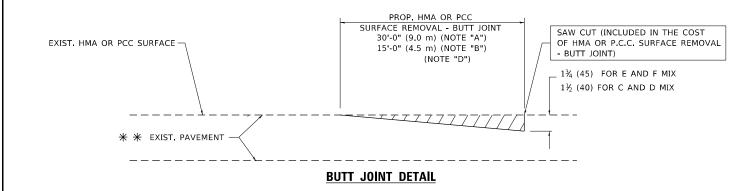


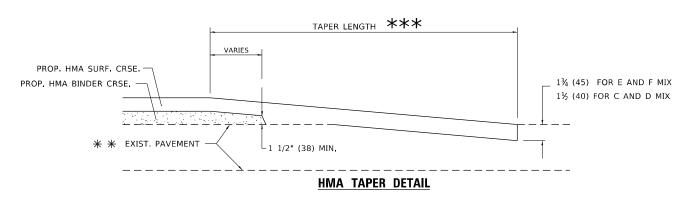
# TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

M. DE YONG DESIGNED -DRAWN REVISED -A. ABBAS 03-21-97 HECKED REVISED M. GOMEZ 04-06-01 LOT DATE = 12/15/2021 R.BORO 01-01-07 DATE REVISED -

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

**BUTT JOINT AND** 2021-017-RS&SW COOK HMA TAPER DETAILS BD400-05 BD32 CONTRACT NO. 62N76 SHEET 1 OF 1 SHEETS STA. TO STA.





# 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")

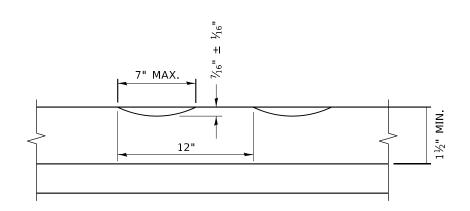
#### **BASIS OF PAYMENT**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT" OR

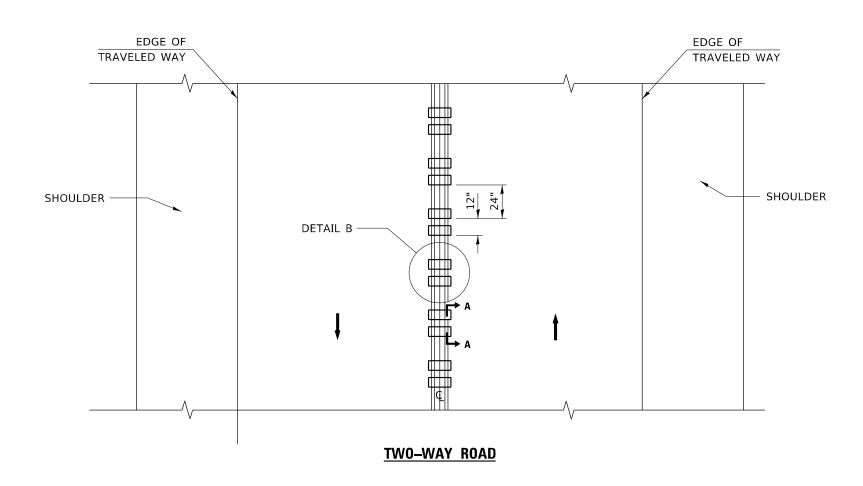
SCALE: NONE

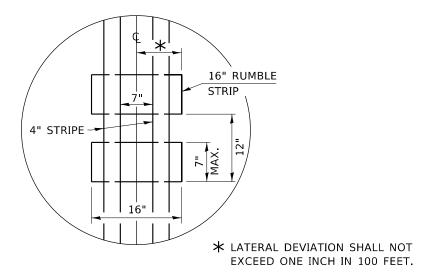
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

18 13



#### SECTION A-A





#### **DETAIL B**

#### **GENERAL NOTES**

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS.
RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEPT CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

#### **BASIS OF PAYMENT**

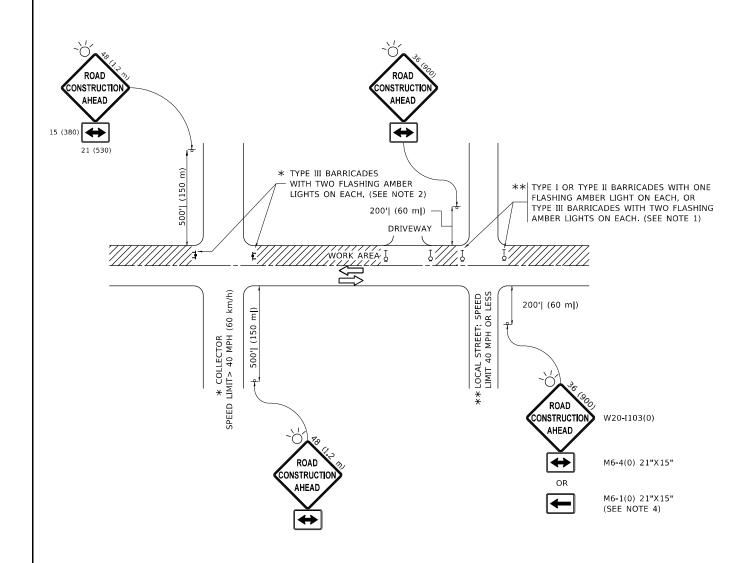
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.

USER NAME = paraynoal	DESIGNED - R. BORO	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2021	DATE - 08-06-2012	REVISED -	

SCALE: NONE

					A.I. EDEE!!!	F.A. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
KUMBLE	STRIP	S FOR	CENTER	LINE, N	ON–FREEWAY	24	2021-017-RS&SW		соок	18	14
							BD 55		CONTRACT	NO. 62	N76
SHEET	1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS	FED. All	D 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.

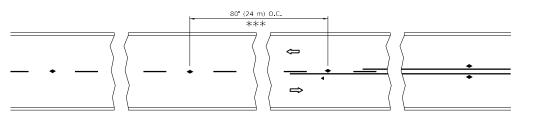
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = paraynoal	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 = 12/15/2021	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

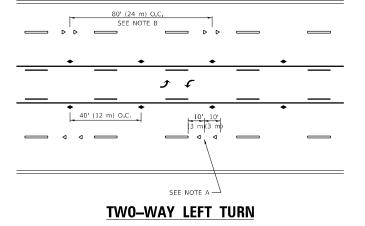
SHEET 1 OF 1 SHEETS STA. TO ST



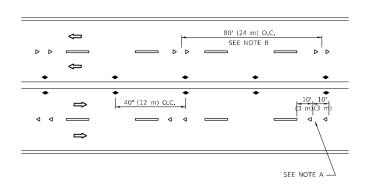
\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

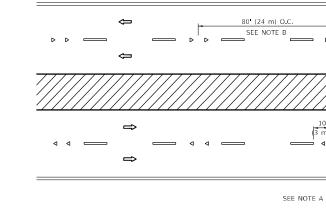
# 3 @ 40' (12 m) O.C. $\Rightarrow$ LANE REDUCTION TRANSITION

SEE FIGURE 3B-14 MUTCD



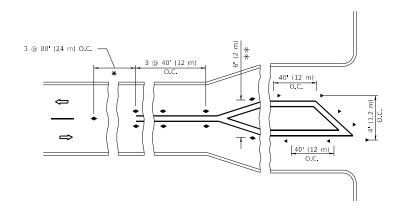
#### TW0-LANE/TW0-WAY

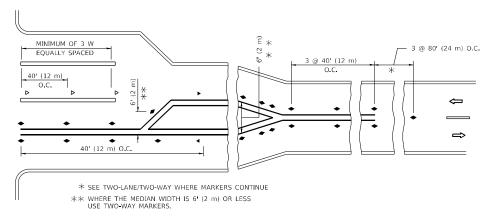




#### MULTI-LANE/UNDIVIDED







#### **TURN LANES**

#### **GENERAL NOTES**

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

#### 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.
- RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- INVOLVED.

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

DESIGNED REVISED - T. RAMMACHER 03-12-99 DRAWN REVISED - T. RAMMACHER 01-06-00 CHECKED REVISED PLOT DATE = 12/15/2021 C. JUCIUS 07-01-13 DATE REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) SHEET 1 OF 1 SHEETS STA.

SECTION 2021-017-RS&SW COOK 18 16 TC-11 CONTRACT NO. 62N76

**SYMBOLS** 

ONE-WAY AMBER MARKER

TWO-WAY AMBER MARKER

ONE-WAY CRYSTAL MARKER (W/O)

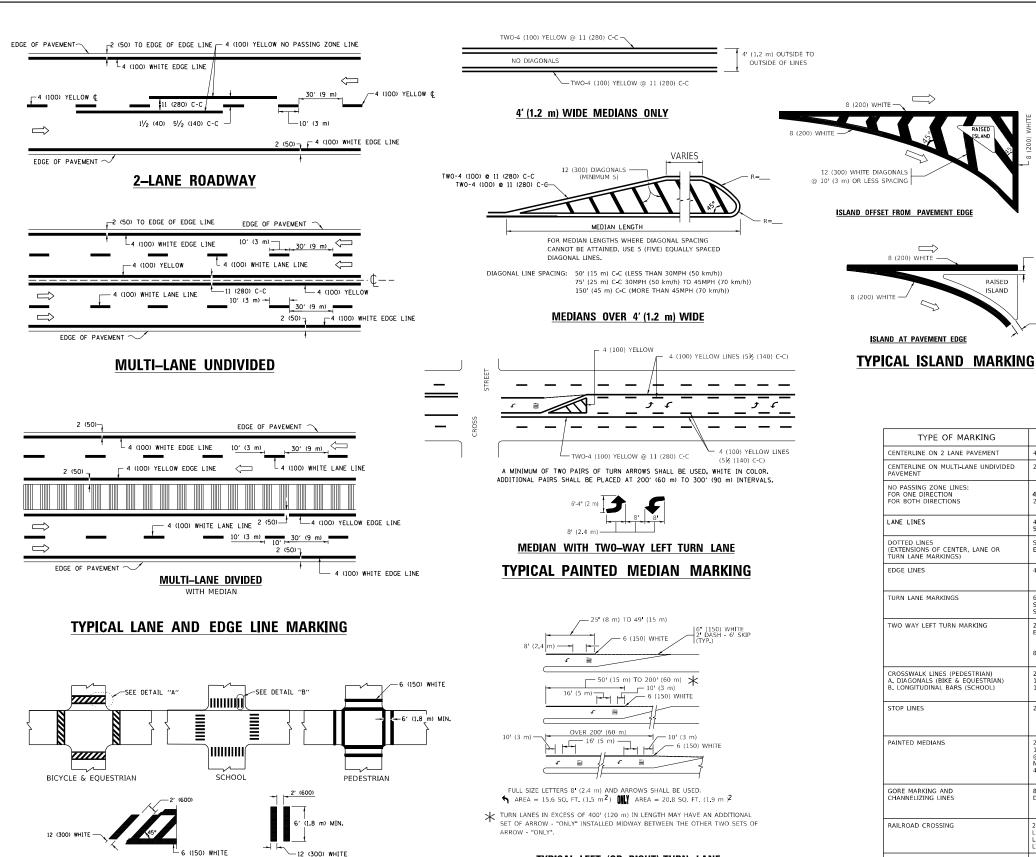
YELLOW STRIPE

■ WHITE STRIPE

2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT

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



TYPICAL LEFT (OR RIGHT) TURN LANE

#### TYPICAL TURN LANE MARKING

EVERS DESIGNED -C. JUCIUS 09-09-09 DRAWN REVISED C. JUCIUS 07-01-13 HECKED REVISED PLOT DATE = 12/15/2021 C. JUCIUS 04-12-16 DATE

DETAIL "B"

DETAIL "A"

THE ROAD WHICH IT CROSSES

TYPICAL CROSSWALK MARKING

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF

# STATE OF ILLINOIS

8 (200) WHITE -

— 2 (50)

RAISED

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.								
DISTRICT ON	F.A. SECTION			COUNTY	TOTAL SHEETS	SHEET NO.			
TYPICAL PAVEMENT MARKINGS				2021-017	7-RS&SW	/	COOK	18	17
TIT JOAL TAVEIVILIAT		TC-13			CONTRACT	NO. 62	N76		
SCALE: NONE SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT						

	6'-4" (1930) 36 40	D(FT)	SPEED LIMIT
	(910) (1020)	345	30
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	425	35
		500	40
	20 20 (510)	580	45
	2	665	50
	32 R (810) 32 (810) 7 R (8	750	55
	(810)		
	20 (510)	<b>⊢</b> 20'	
	12 (300)		Ŧ
	10 (1020)		
	64 (1620)	+	D
	COMBINATION	I	
- 2 (50)	LEFT AND U-TURN		
2 (50)			
	5'-4" (1620)		1
	₹ 32 R (810)		
- 2 (50)	20 R (510)		
	20 (510)		
ì			

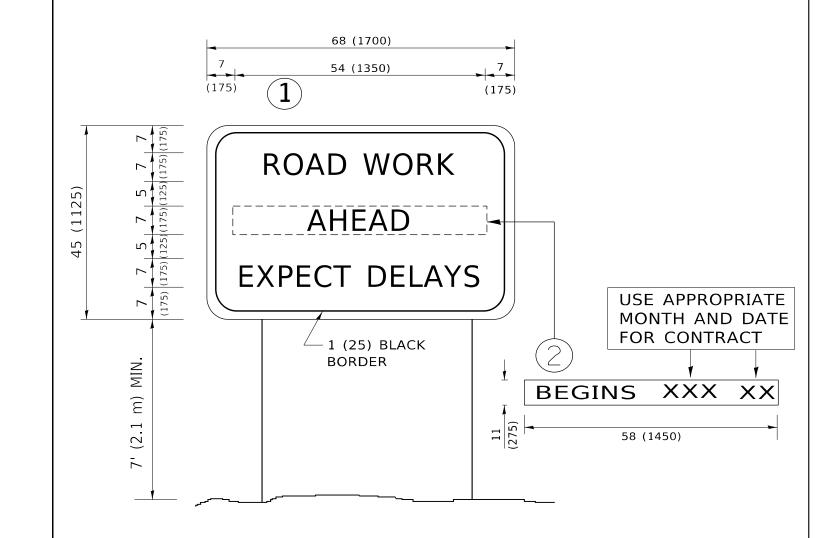
LANE REDUCTION TRANSITION \* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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	<b>4 (100)</b> 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (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	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (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 5EE 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 PEACH "X"=54.0 SQ, FT. (5.0 m PEACH
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

**U-TURN** 

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

**DEPARTMENT OF TRANSPORTATION** 



### 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.

SHEET

6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)

SCALE: NONE

7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

USER NAME = paraynoal	DESIGNED -	REVISED	- R. MIRS 09-15-97
	DRAWN -	REVISED	- R. MIRS 12-11-97
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED	-T. RAMMACHER 02-02-99
PLOT DATE = 12/15/2021	DATE -	REVISED	- C. JUCIUS 01-31-07

ARTERIAL ROAD				F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHE			
INFORMATION SIGN			24	2021-017-RS&SW	/	соок	18	1			
				TC-22		CONTRACT	NO. 62	2N7			
1	OF :	1	SHEETS	STA.	TO STA.		ILLINOIS	FED. A	ID PROJECT		