

06-11-2021 LETTING ITEM 091

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FOR INDEX SHEETS, SEE SHEET NO. 2
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION: MAJOR COLLECTOR
ADT = 2300 (2018)
POSTED & DESIGN SPEED: 25 M.P.H.

FAU ROUTE 2509 (SLEEPY HOLLOW ROAD)
1515 FT SOUTH OF CRANE DRIVE
(VILLAGE CORPORATE LIMITS) TO SOUTH ROW
LINE OF IL ROUTE 72
RESURFACING

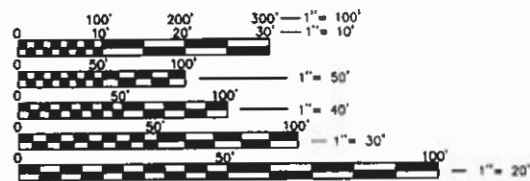
SECTION NO.: 19-00009-00-RS
PROJECT NO.: I2GP(481)
JOB NO.: C-91-082-21

VILLAGE OF SLEEPY HOLLOW
KANE COUNTY

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	19-00009-00-RS	KANE	23	1
STA: NA			TO STA: NA	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 61H10				



FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, PE, SCHAUMBURG, IL



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.
FOR UNDERGROUND UTILITY LOCATION
CALL J.U.L.I.E., TOLL FREE
PHONE NO.: 811

CONTRACT NO. 61H10



PROJECT BEGIN
STA: 0+00

PROJECT END
STA: 66+00

GROSS LENGTH OF IMPROVEMENT - 6600 FEET (1.25 MILES)
NET LENGTH OF IMPROVEMENT - 6600 FEET (1.25 MILES)

GERALD L. HEINZ & ASSOCIATES, INC.
206 NORTH RIVER STREET
EAST DUNDEE, ILLINOIS
PHONE: (847) 426-4535
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002048 (EXPIRE 4-30-2021)



JEFFREY C. STEELE
ILLINOIS REGISTERED PROFESSIONAL ENGINEER
NO. 60934 (LICENSE EXPIRES 11-30-21)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

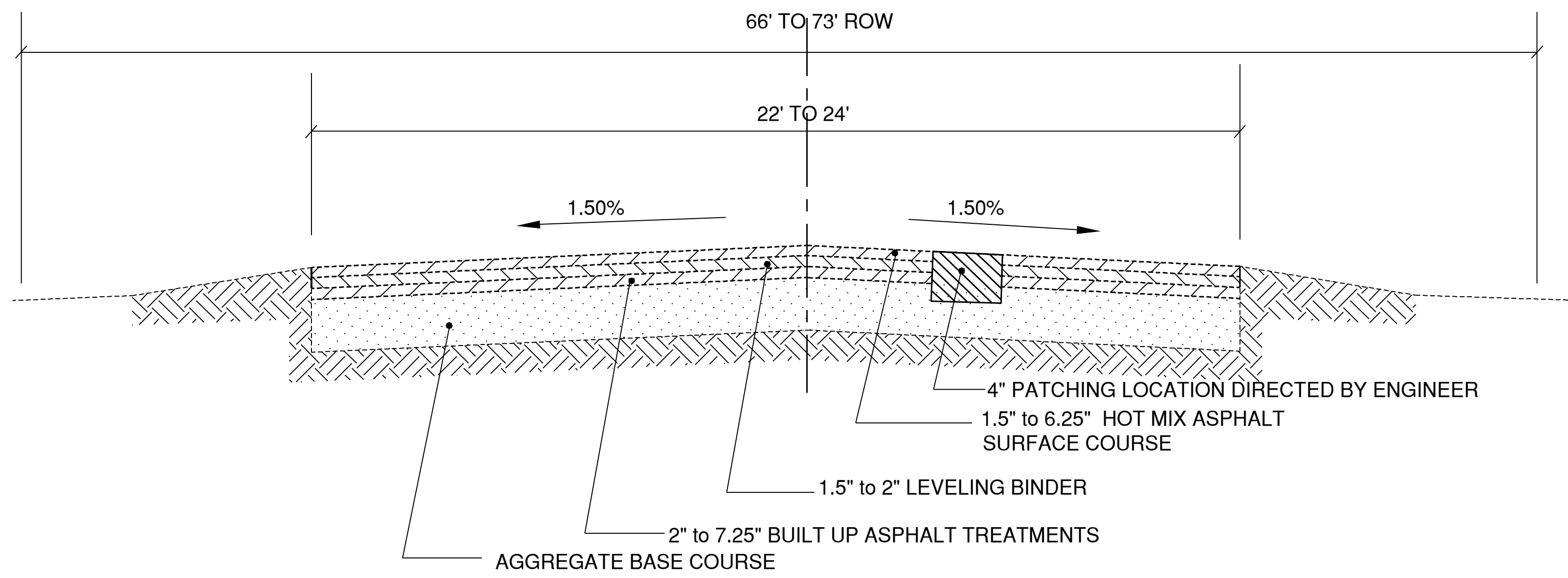
APPROVED 3/25/2021
VILLAGE OF SLEEPY HOLLOW DIRECTOR OF PUBLIC WORKS

PASSED March 29, 2021
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW March 29, 2021
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GLHA JOB NO. SH-1316, DATE: 12-15-2020

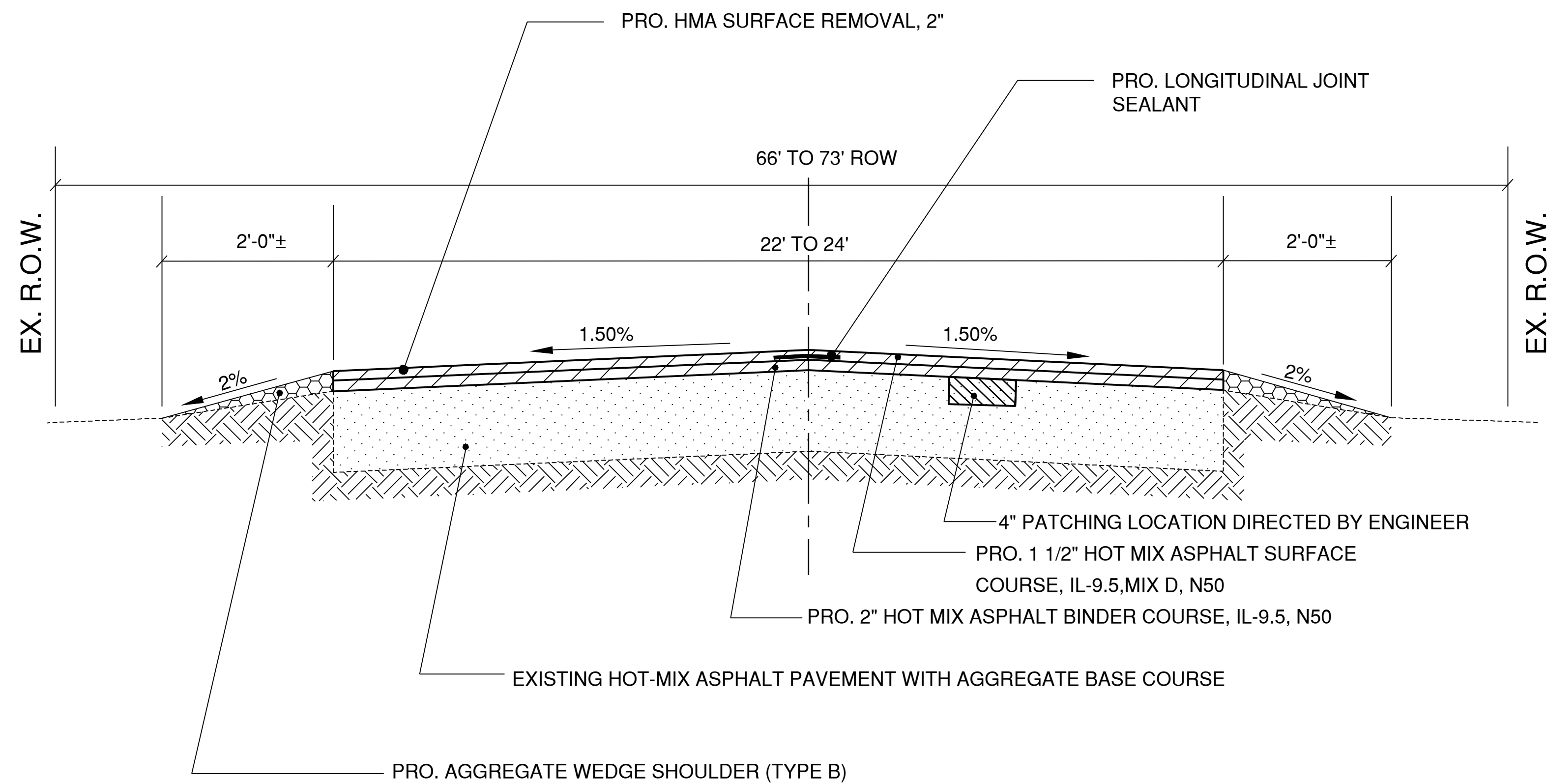


**EXISTING TYP. CROSS SECTION
SLEEPY HOLLOW ROAD**

STA: 0+00 TO 66+00

HOT -MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
PAVEMENT RESURFACING:	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM, 1-1/2")	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, N50 (IL 9.5MM, 2")	4% @ 50 GYR
PATCHING:	
CLASS D PATCHES (HMA BINDER IL-19 MM) TYPES I-IV, 4"	4% @ 70 GYR

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURES IS 112 LBS/SQ.YD./IN.
 *THE "AC TYPE" FOR POLYMERIZED HMA SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISION..



**PROPOSED TYPICAL SECTION
SLEEPY HOLLOW ROAD PROPOSED OVERLAY**

STA: 0+00 TO 66+00

CLASS D PATCHES SCHEDULE

Station	Side	Size	Area (Sq.Yd.)	Type I (1-5)	Type II (5-15)	Type III (15-25)	Type IV (25 up)
1+49	Right	810 x 6	540.00				540.00
56+07	Left	18 x 4	8.00		8.00		
59+72	Right	20 x 4	8.89		8.89		
59+89	Left	67 x 3	22.33			22.33	
61+48	Right	59 x 4	26.22				26.22
TOTAL:				0.0	16.9	22.3	566.2

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA BINDER

FILE NAME:
SH-1316

GERALD L. HEINZ & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
206 NORTH RIVER STREET
EAST DUNDEE, ILLINOIS 60118

USER NAME:
PLOT SCALE: NTS
PLOT DATE:

DESIGNED: JCS
DRAWN: PC
CHECKED: JDH
DATE: 12-15-2020

REVISED:
REVISED:
REVISED:
REVISED:

3-24-2021
3-1-2021
2-8-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

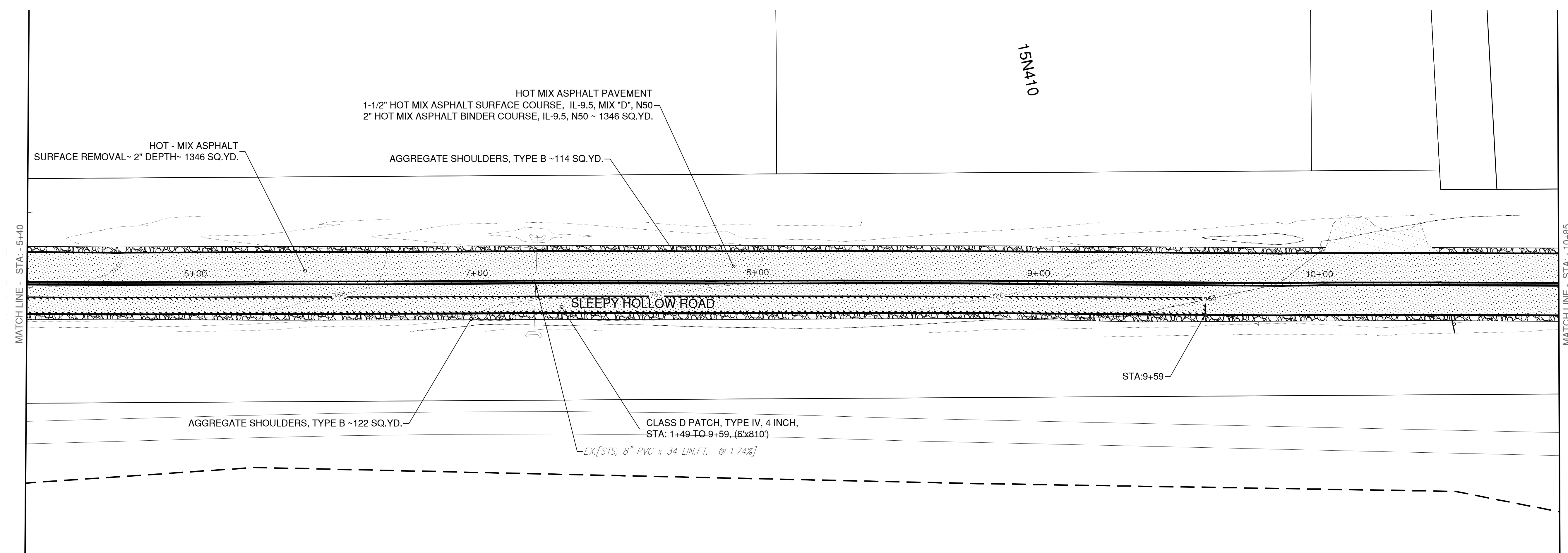
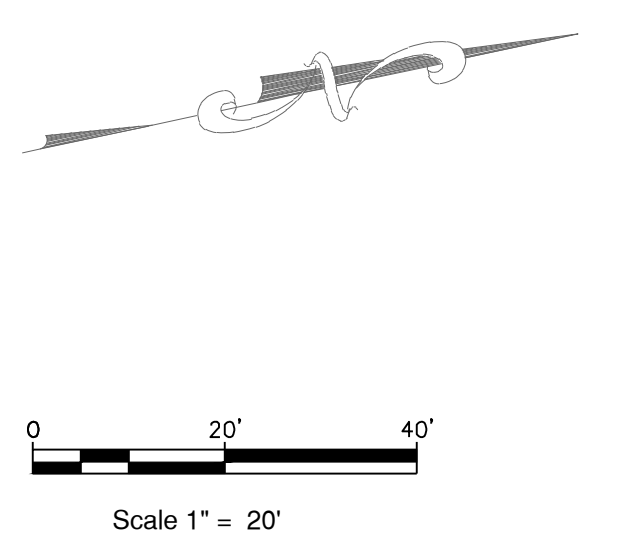
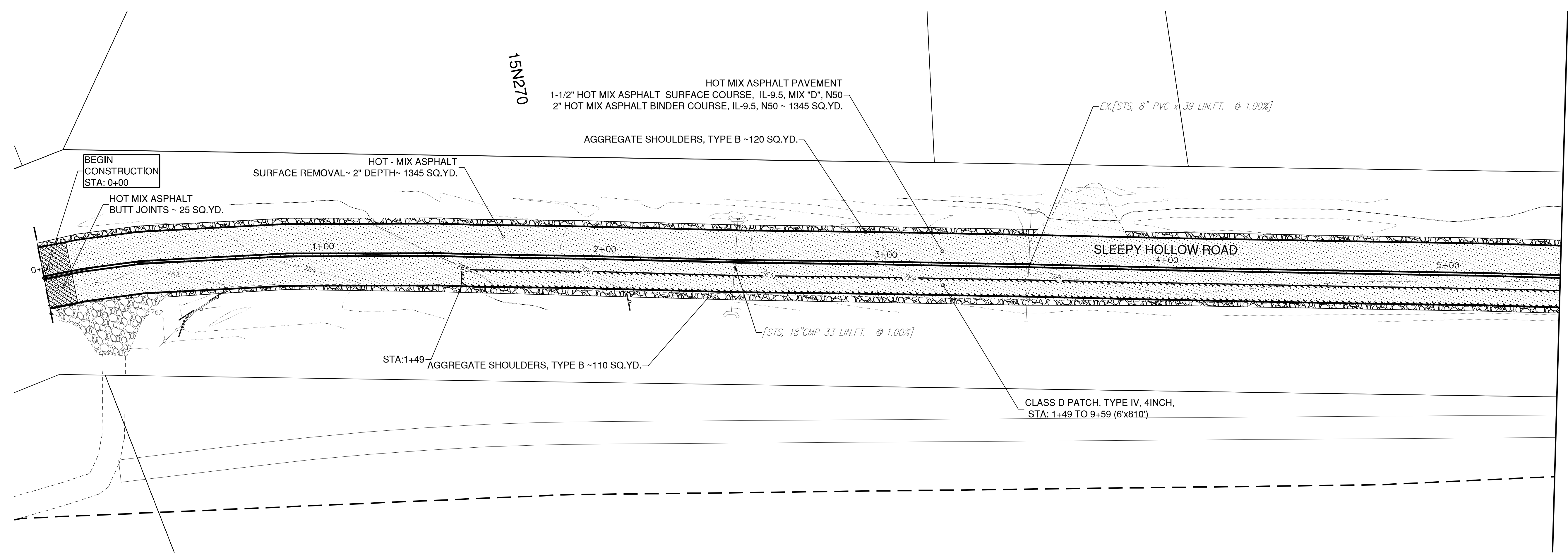
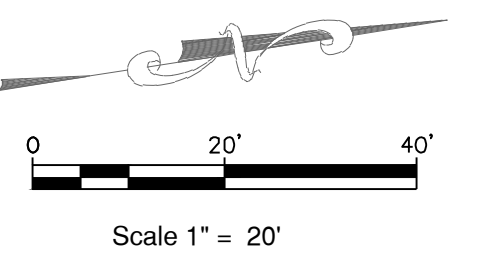
TYPICAL SECTIONS AND PATCHING SCHEDULE

SCALE: 1"= 20'

SHEET NO. 1 OF 1 SHEETS

STA: TO STA:

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	19-00009-00-RS	KANE	23	4
CONTRACT NO. 61H10				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID. PROJECT		



FILE NAME:
SH-1316

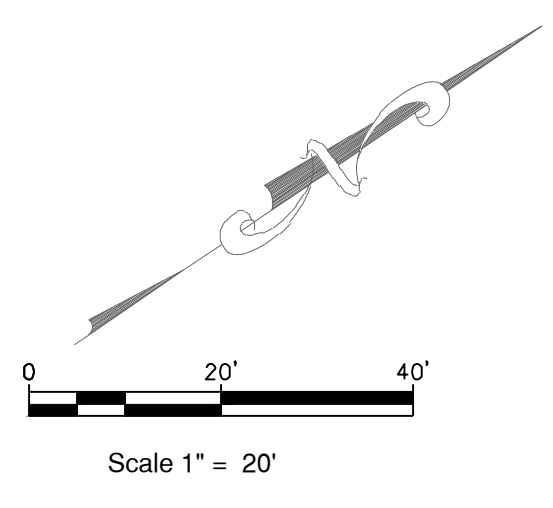
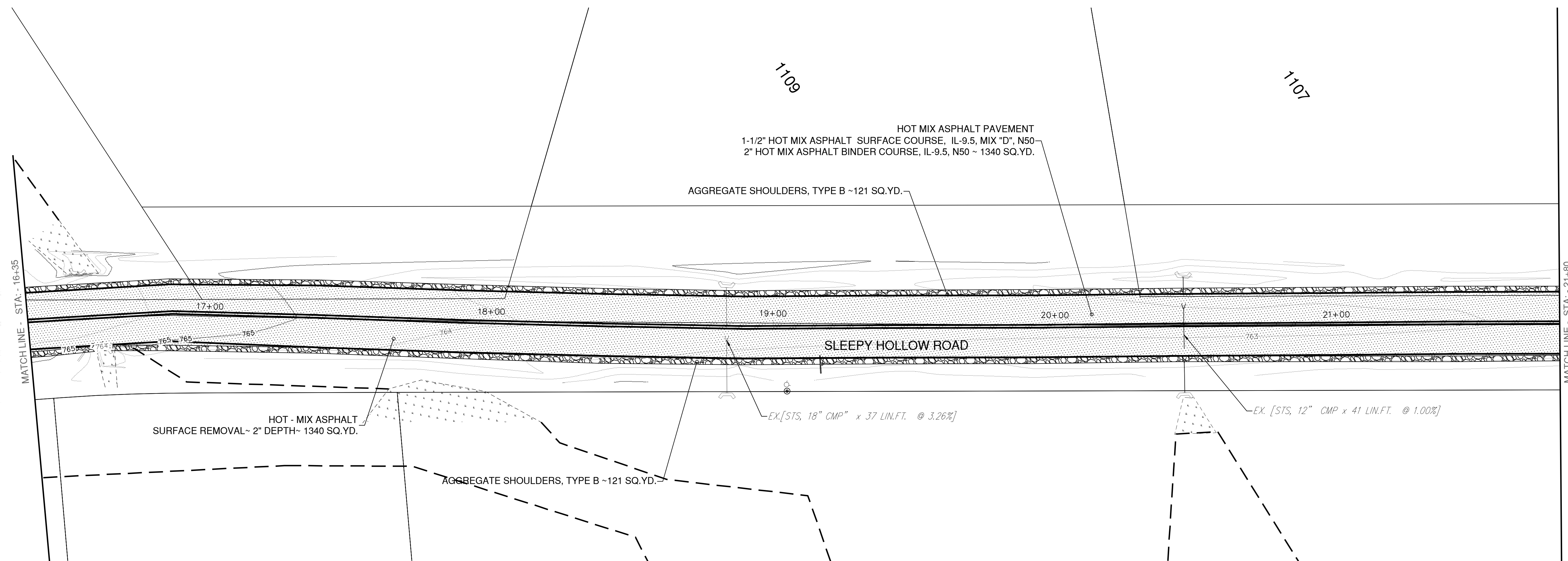
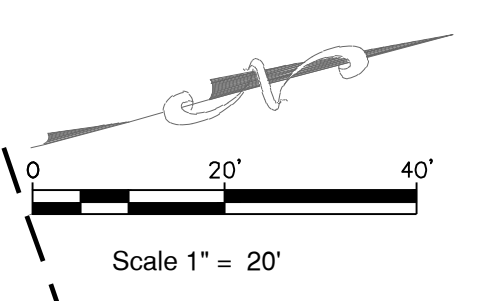
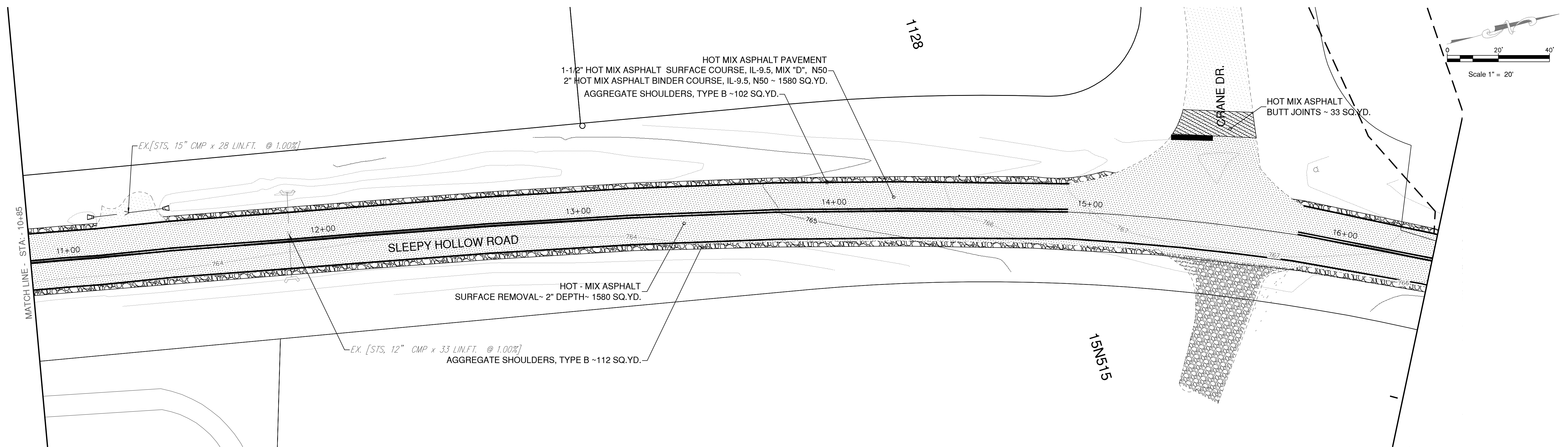
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PLOT DATE:	CHECKED: JDH	REVISED:	2-8-2021
	DATE: 12-15-2020	REVISED:	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT PATCHING PLAN

SCALE: 1" = 20' SHEET NO. 1 OF 7 SHEETS STA: 0+00 TO STA: 10+85

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 5
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 61H10 FED. AID. PROJECT	



FILE NAME:
SH-1316

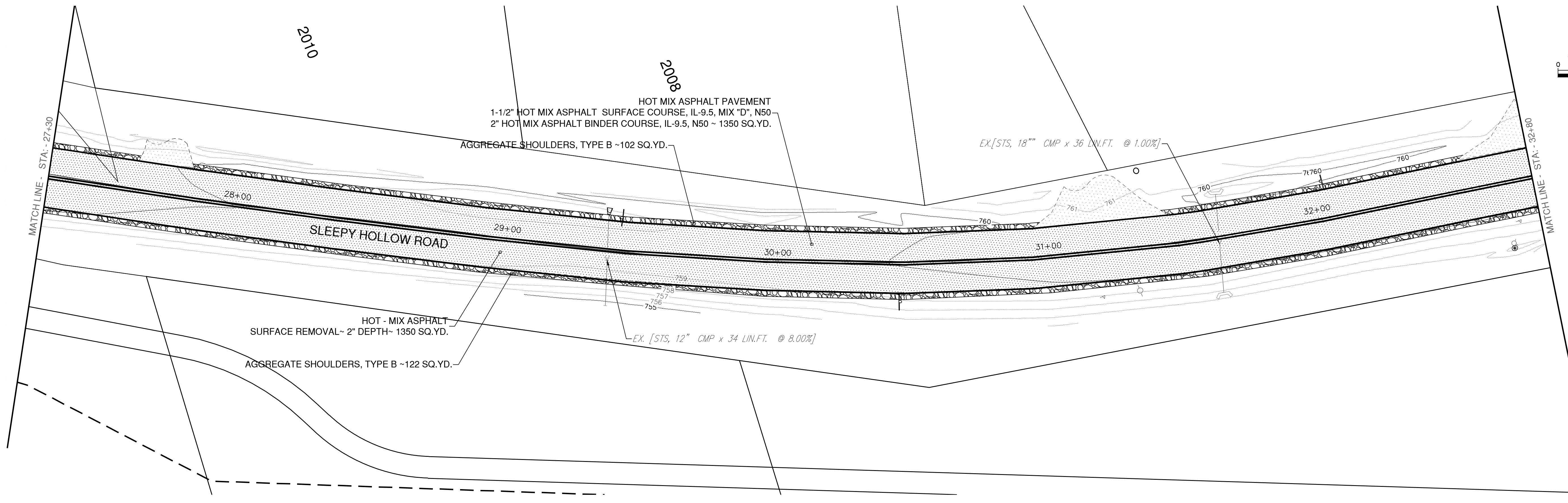
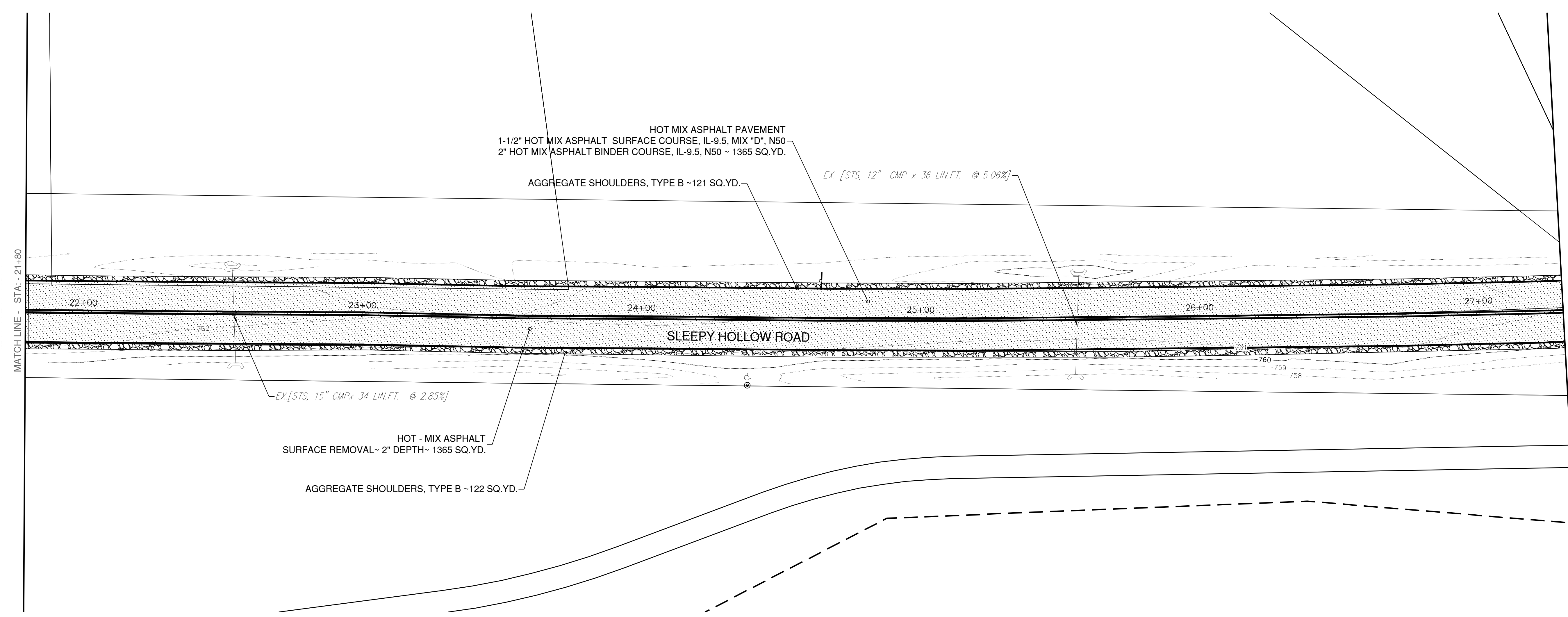
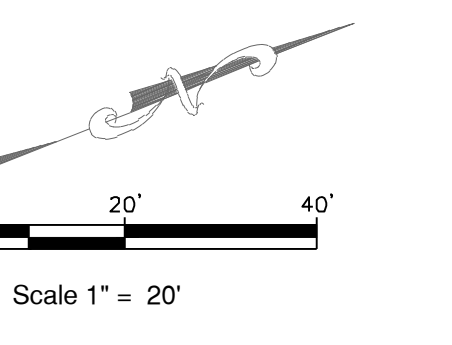
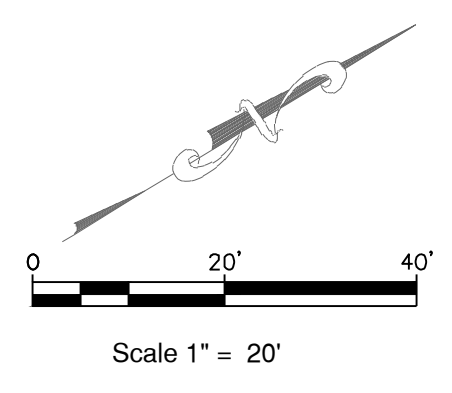
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	DATE: 12-15-2020	REVISED:	2-8-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT PATCHING PLAN

SCALE: 1" = 20' SHEET NO. 2 OF 7 SHEETS STA: 10+85 TO STA: 21+80

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 6
FED. ROAD DIST. NO.	ILLINOIS	FED. AID. PROJECT		



FILE NAME:
SH-1316

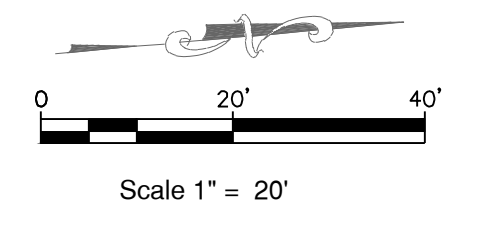
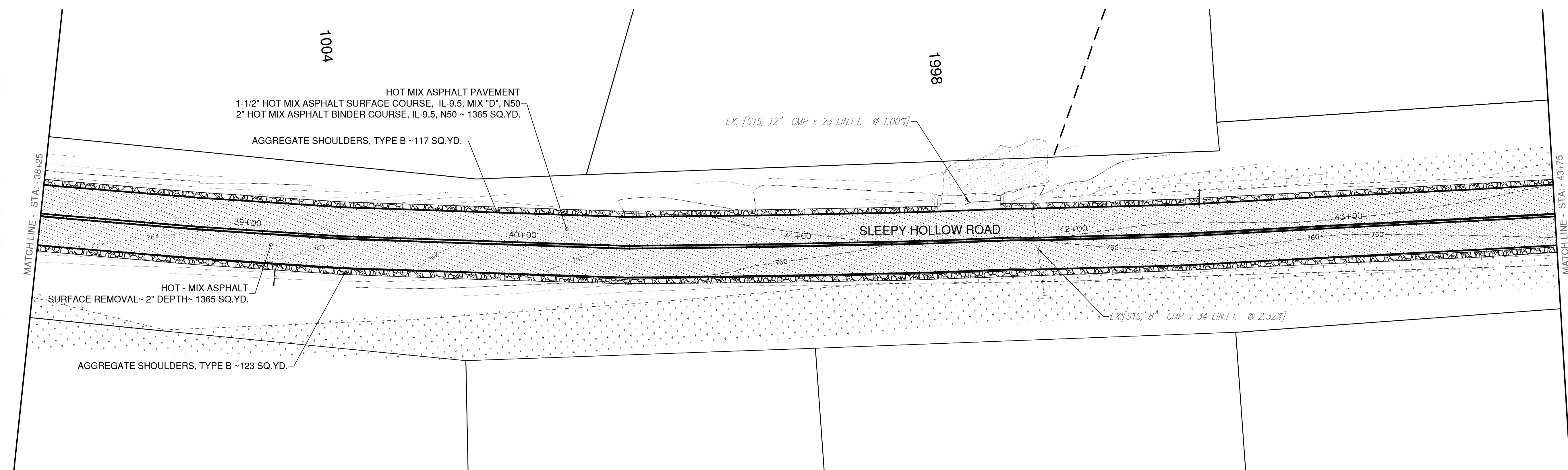
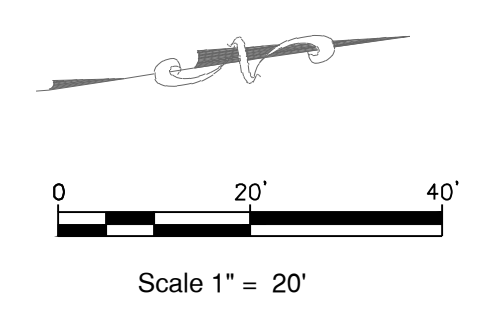
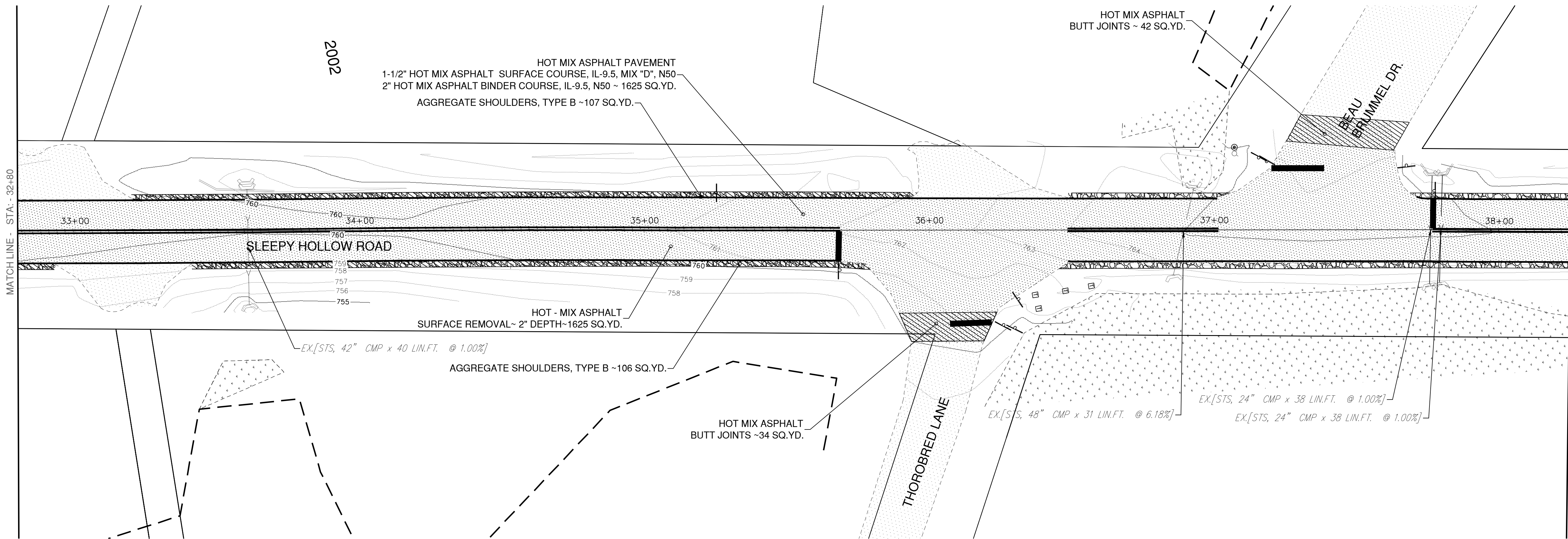
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	DATE: 12-15-2020	REVISED:	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT PATCHING PLAN

SCALE: 1" = 20' SHEET NO. 3 OF 7 SHEETS STA: 21+80 TO STA: 32+80

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 7
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 61H10 FED. AID. PROJECT		



FILE NAME:
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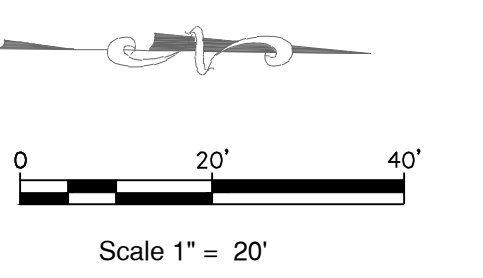
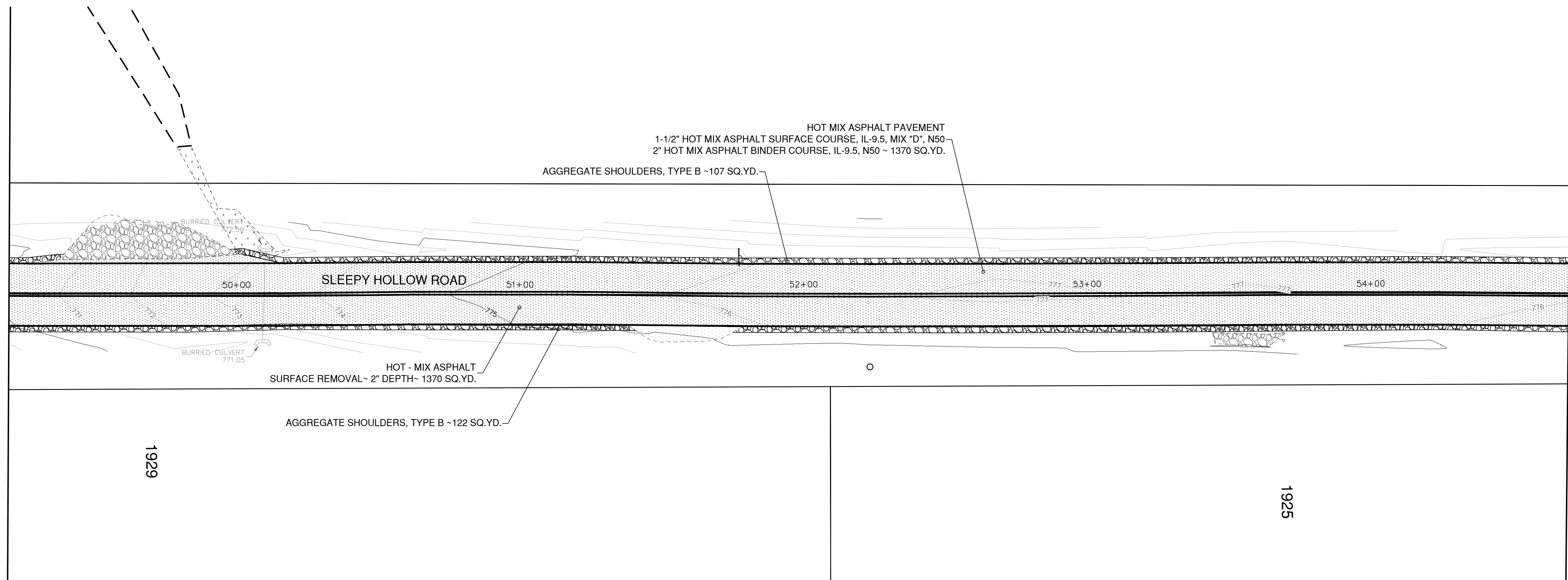
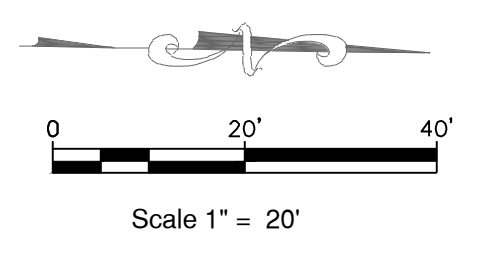
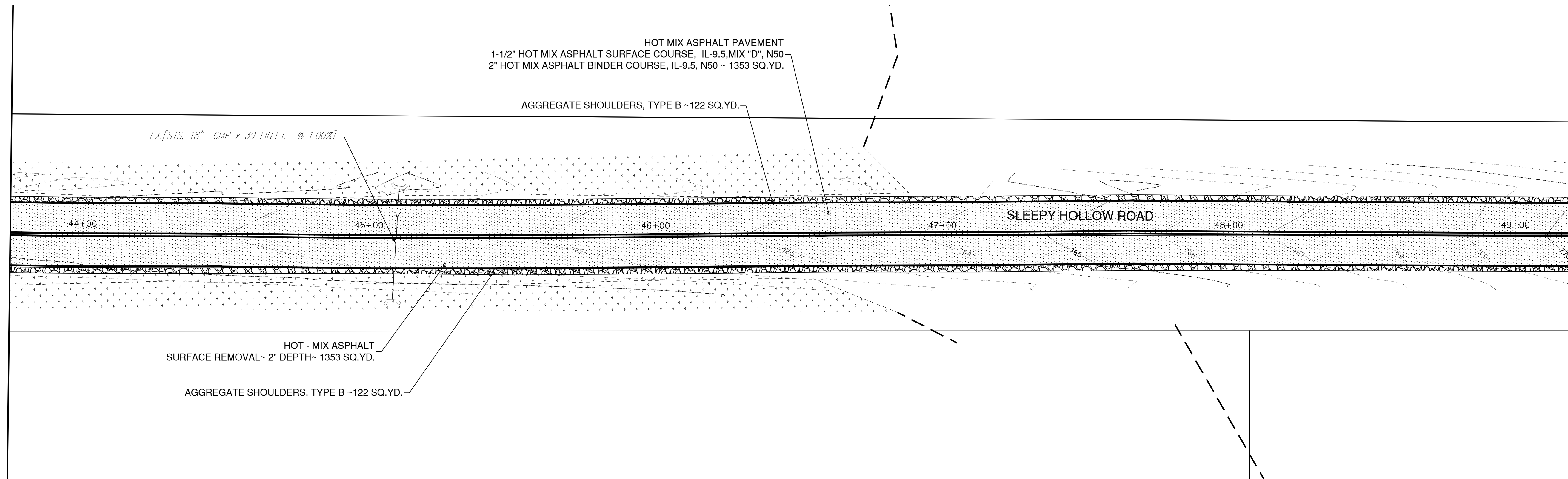
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	DATE: 12-15-2020	REVISED:	2-8-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT PATCHING PLAN

SCALE: 1" = 20' SHEET NO. 4 OF 7 SHEETS STA: 32+80 TO STA: 43+75

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 8
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 61H10 FED. AID. PROJECT	



FILE NAME:
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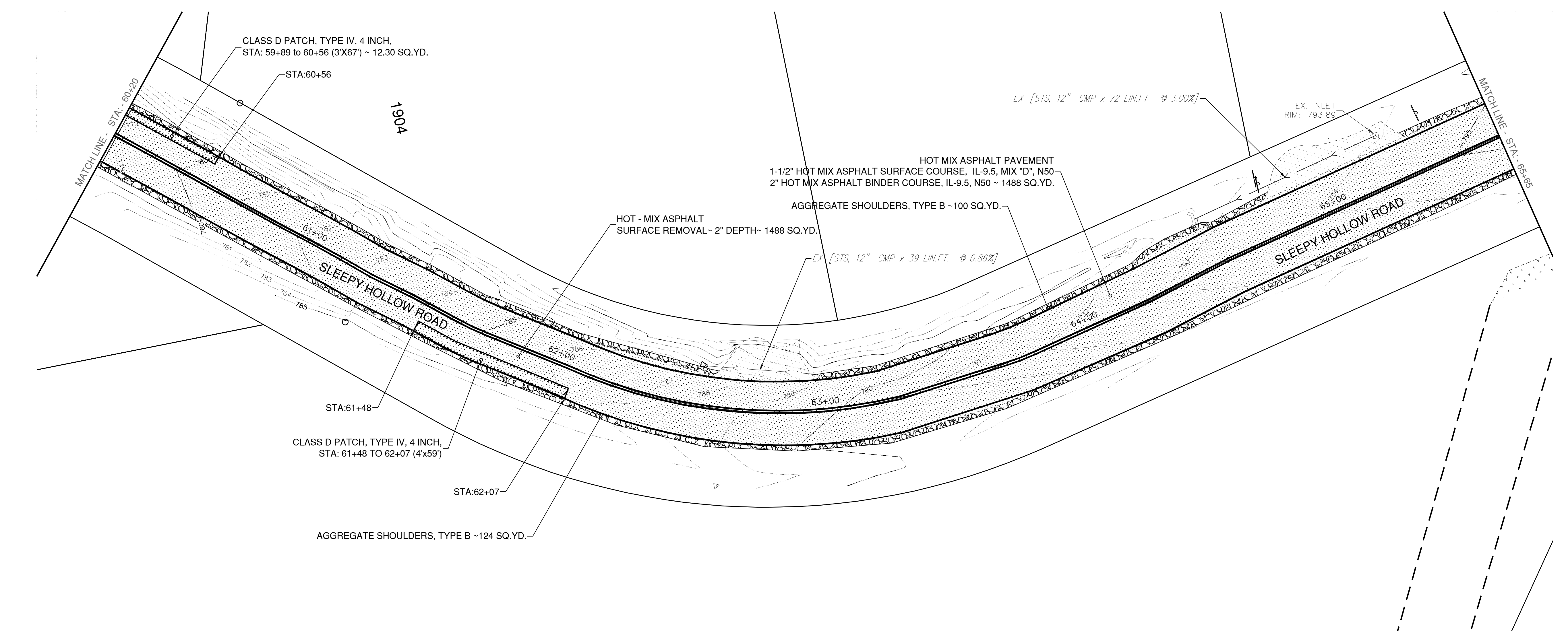
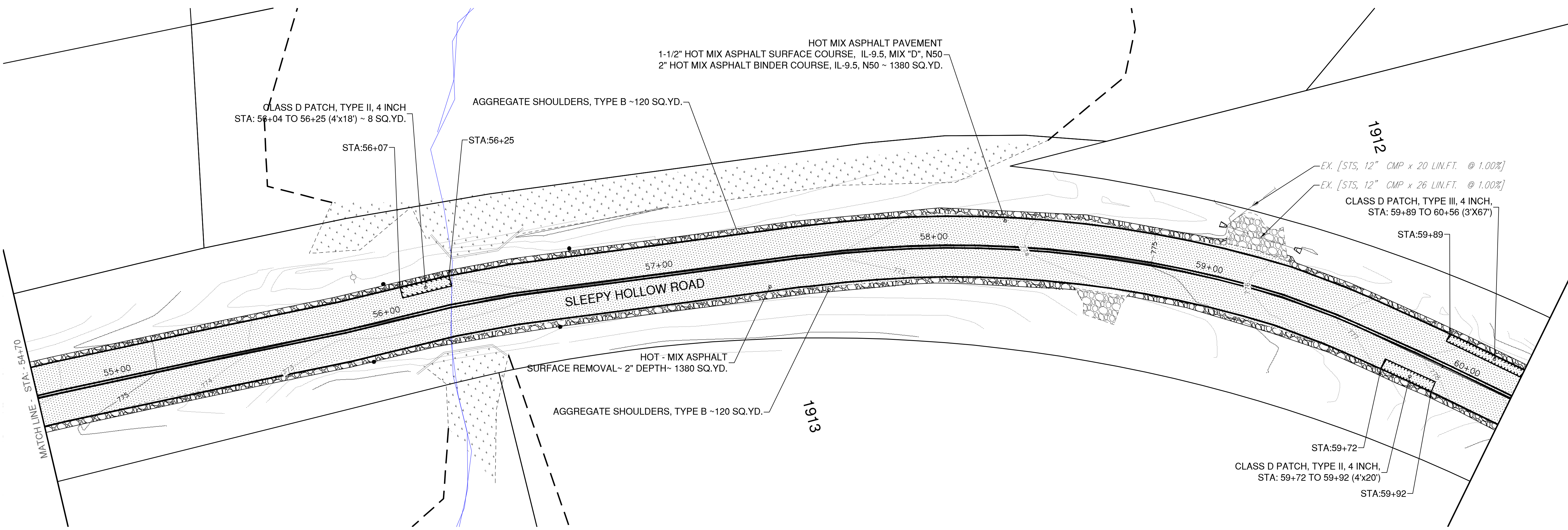
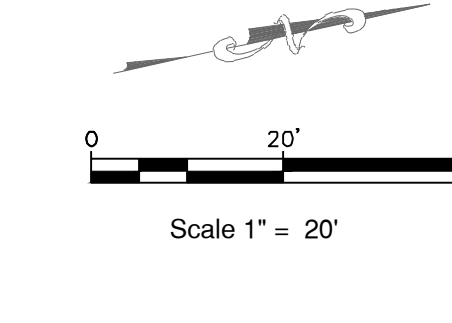
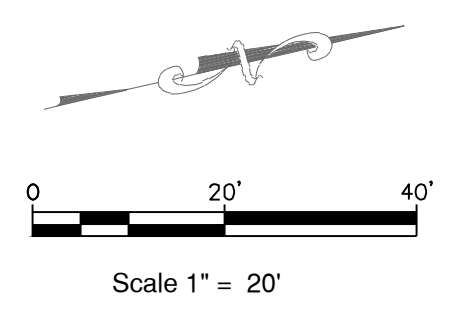
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	DATE: 12-15-2020	REVISED:	2-8-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT PATCHING PLAN

SCALE: 1" = 20' SHEET NO. 5 OF 7 SHEETS STA: 43+75 TO STA: 54+70

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 9
FED. ROAD DIST. NO.	ILLINOIS	FED. AID. PROJECT		



FILE NAME:
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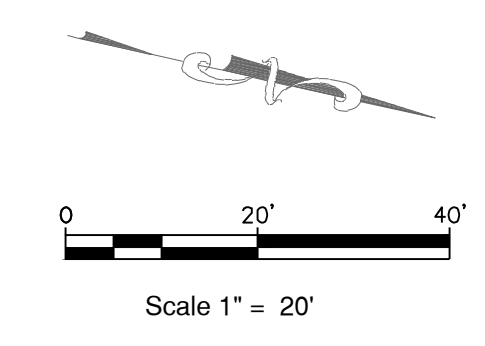
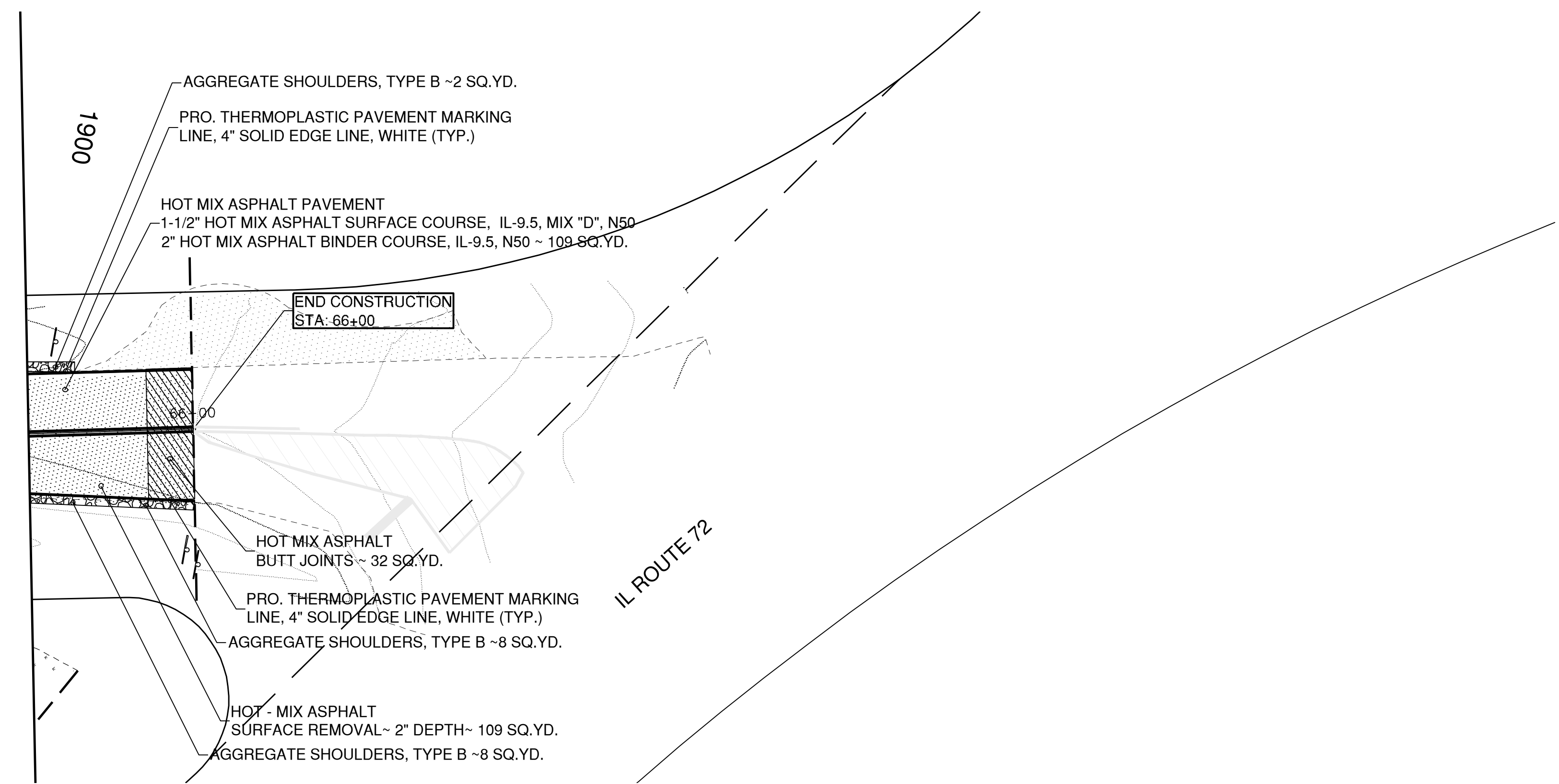
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	DATE: 12-15-2020	REVISED:	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT PATCHING PLAN

SCALE: 1" = 20' SHEET NO. 6 OF 7 SHEETS STA: 54+70 TO STA: 65+65

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 10
FED. ROAD DIST. NO.			ILLINOIS	
			FED. AID. PROJECT	



FILE NAME:
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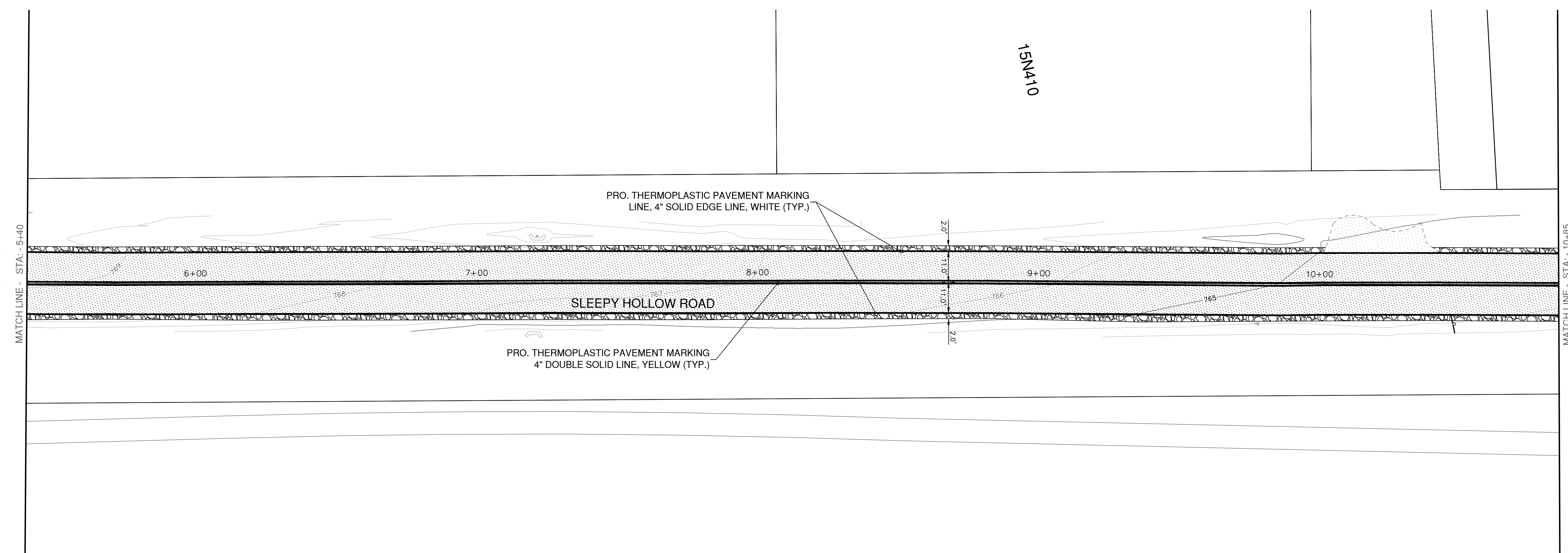
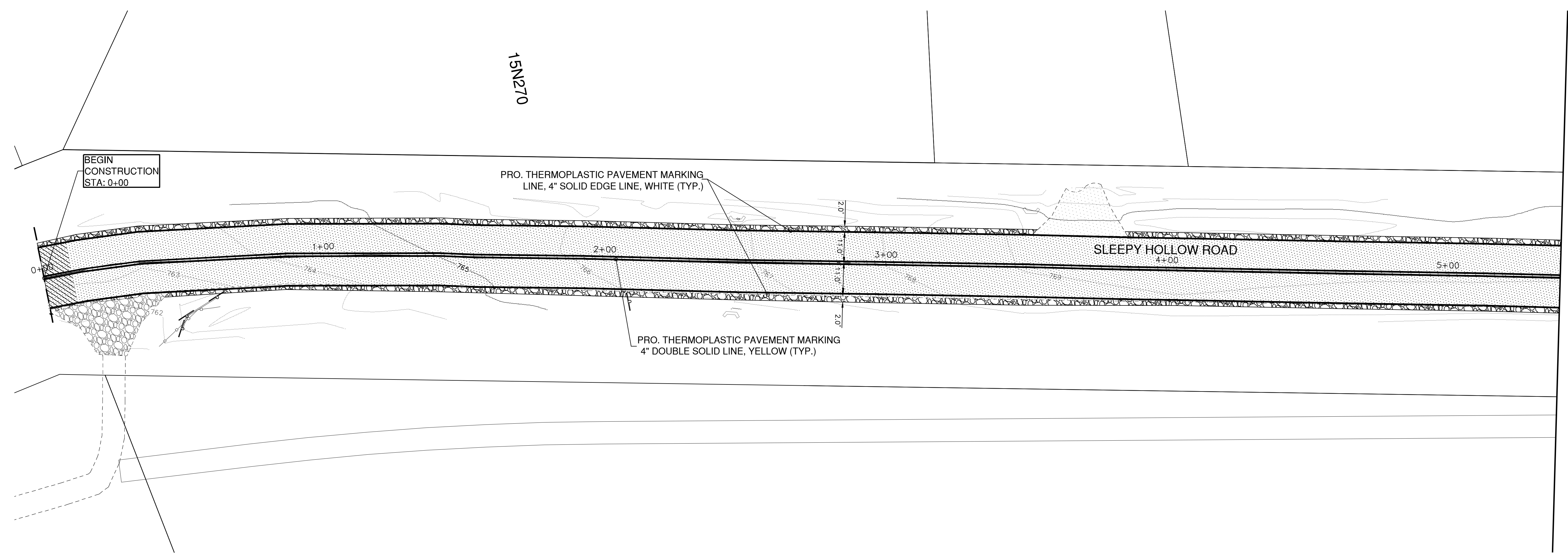
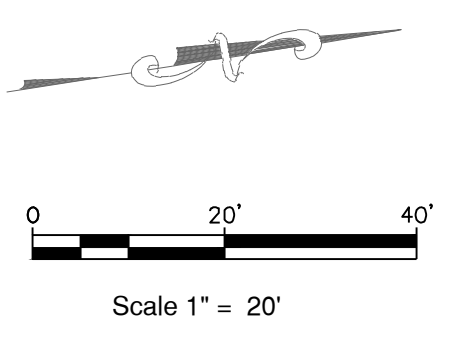
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PLOT DATE:	DATE: 12-15-2020	REVISED:	2-8-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT PATCHING PLAN

SCALE: 1" = 20' SHEET NO. 7 OF 7 SHEETS STA: 65+65 TO STA: 66+00

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	19-00009-00-RS	KANE	23	11
CONTRACT NO. 61H10				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID. PROJECT		



FILE NAME:
SH-1316

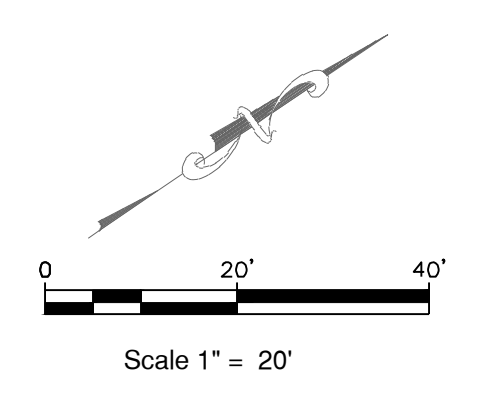
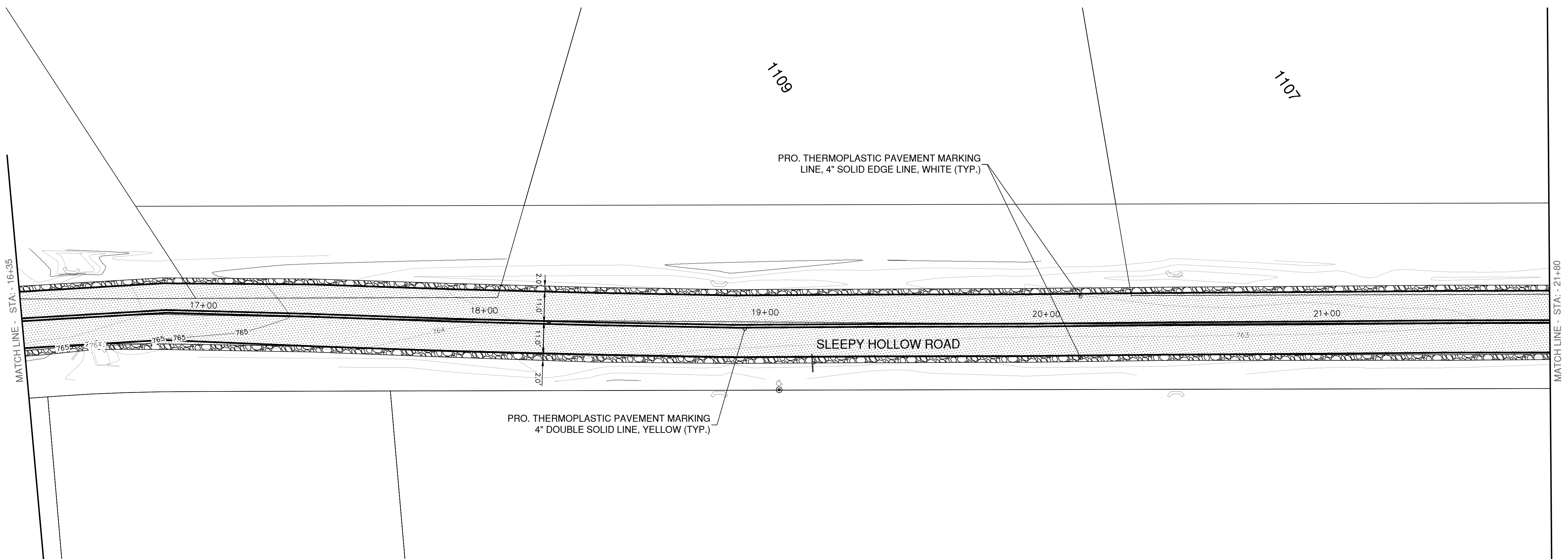
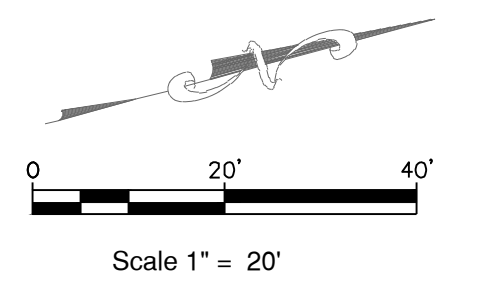
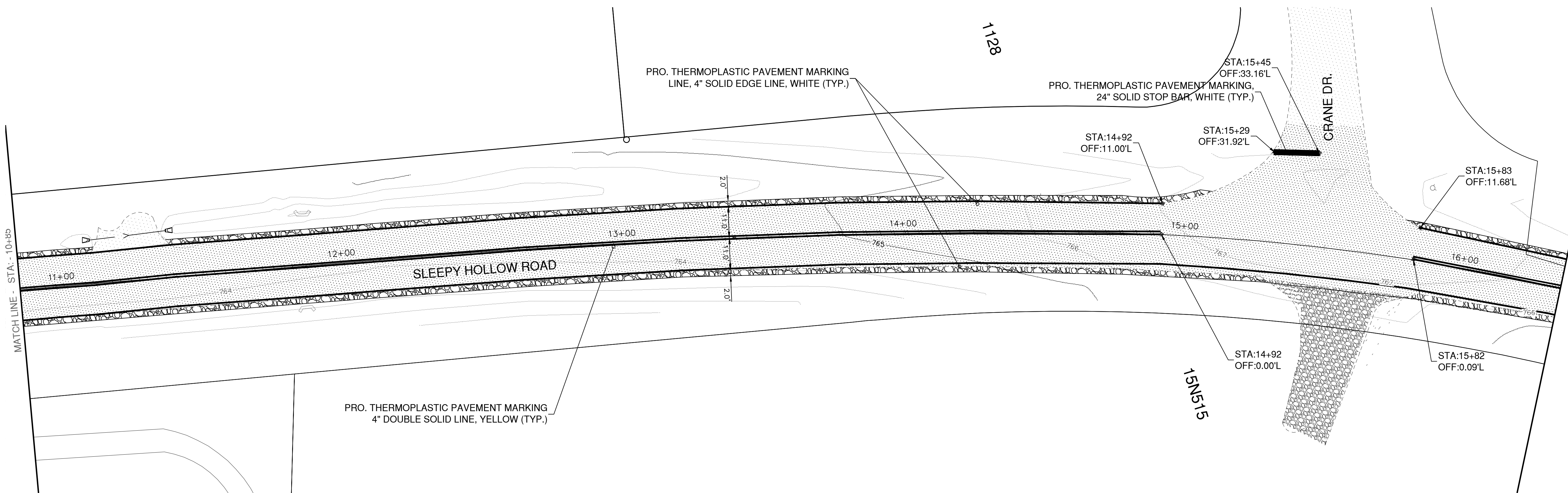
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PLOT DATE:	CHECKED: JDH	REVISED:	2-8-2021
	DATE: 12-15-2020	REVISED:	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 1 OF 7 SHEETS STA: 0+00 TO STA: 10+85

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 12
FED. ROAD DIST. NO.			ILLINOIS	
			FED. AID. PROJECT	



FILE NAME:
SH-1316

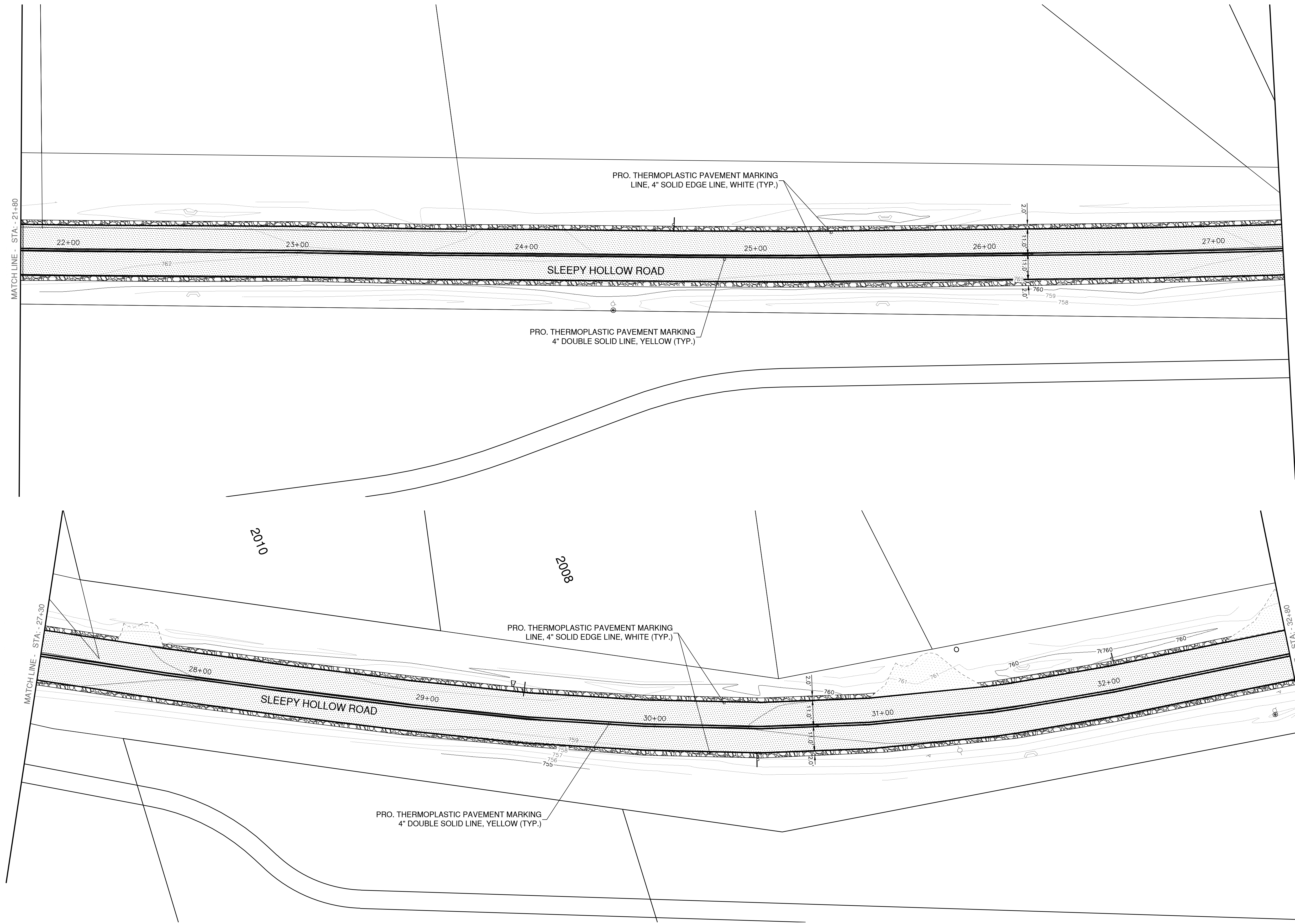
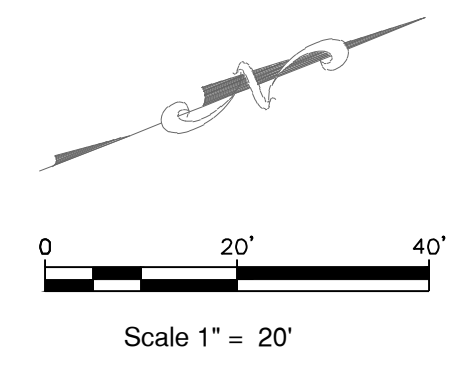
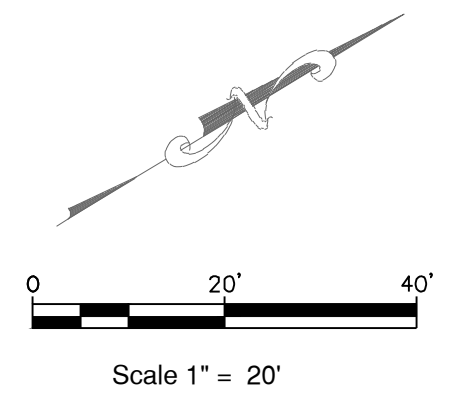
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PLOT DATE:	CHECKED: JDH	REVISED:	2-8-2021
	DATE: 12-15-2020	REVISED:	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 2 OF 7 SHEETS STA: 10+85 TO STA: 21+80

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 13
FED. ROAD DIST. NO.			ILLINOIS	
			FED. AID. PROJECT	



FILE NAME:
SH-1316

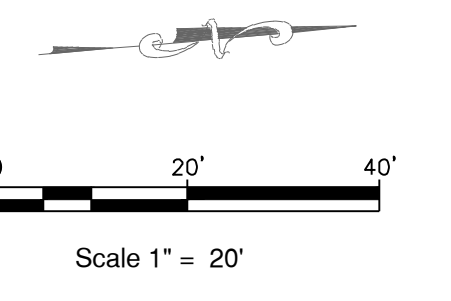
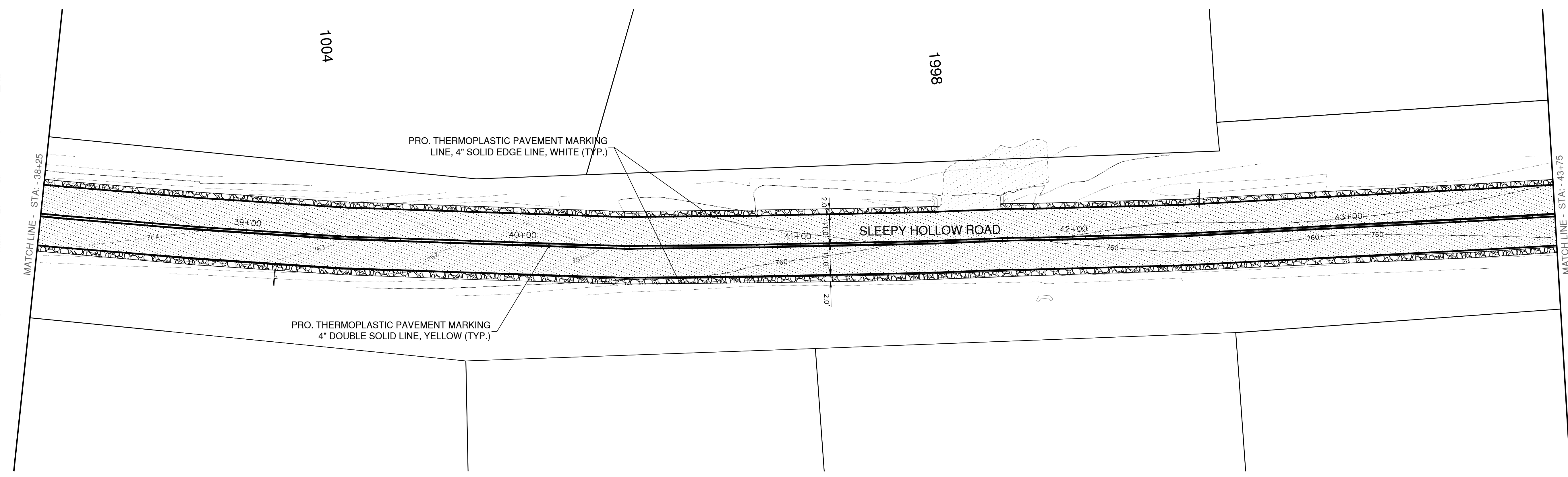
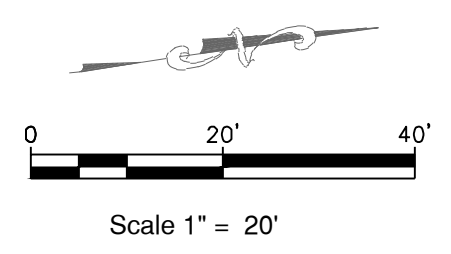
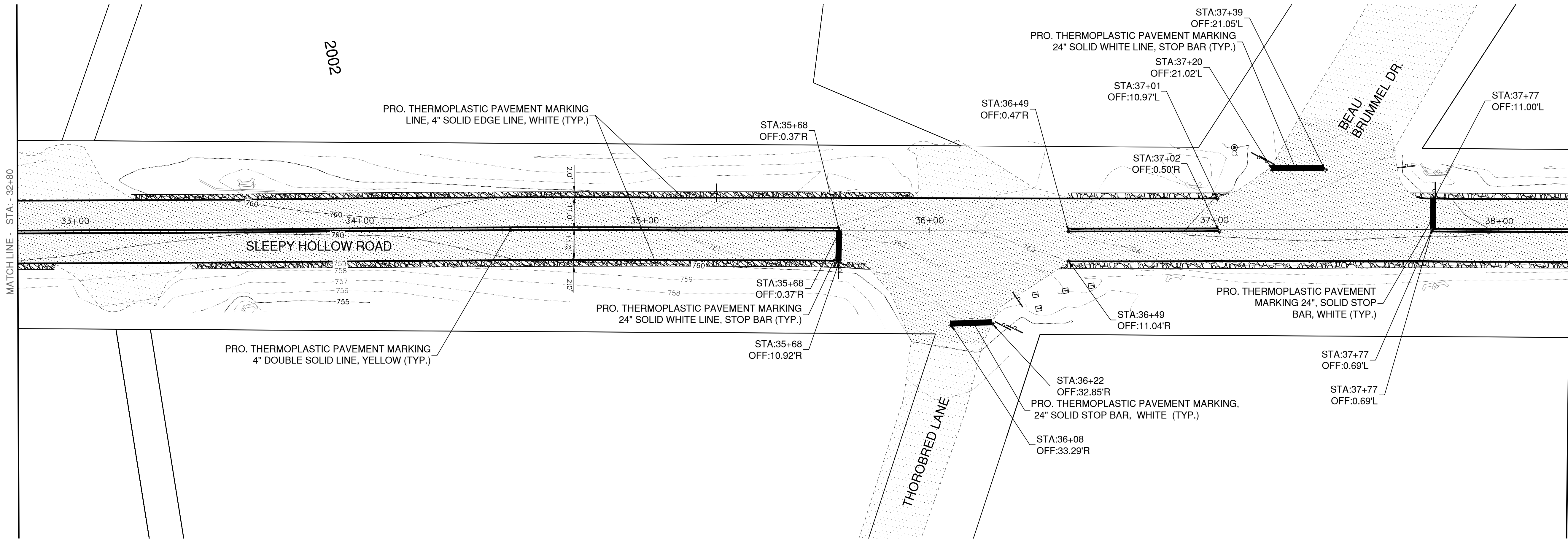
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PLOT DATE:	CHECKED: JDH	REVISED:	2-8-2021
	DATE: 12-15-2020	REVISED:	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 3 OF 7 SHEETS STA: 21+80 TO STA: 32+80

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 14
FED. ROAD DIST. NO.			ILLINOIS	
			FED. AID. PROJECT	



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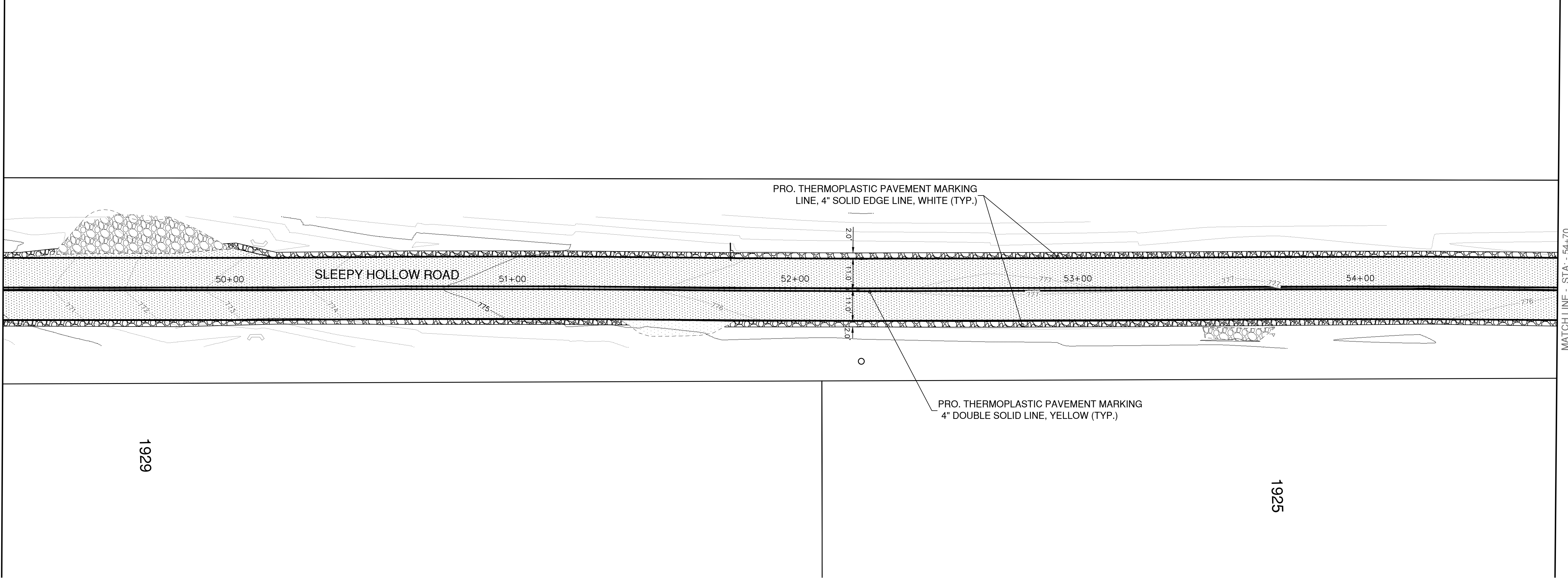
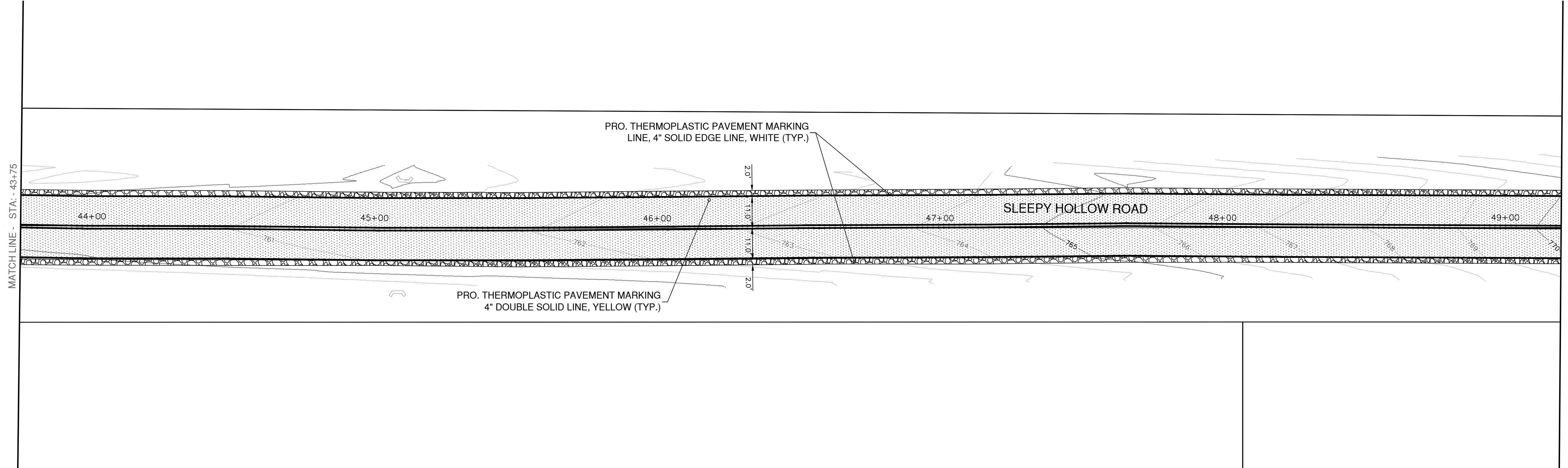
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PLOT DATE:	CHECKED: JDH	REVISED:	2-8-2021
	DATE: 12-15-2020	REVISED:	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 4 OF 7 SHEETS STA: 32+80 TO STA: 43+75

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	19-00009-00-RS	KANE	23	15
FED. ROAD DIST. NO.			ILLINOIS	
			FED. AID. PROJECT	



FILE NAME:
SH-1316

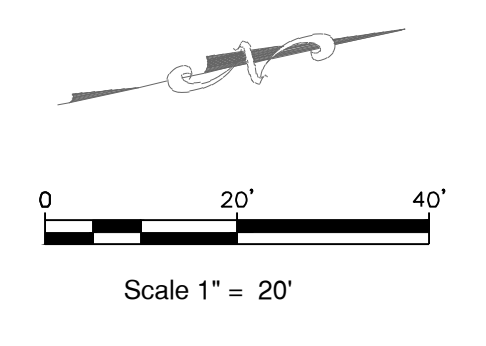
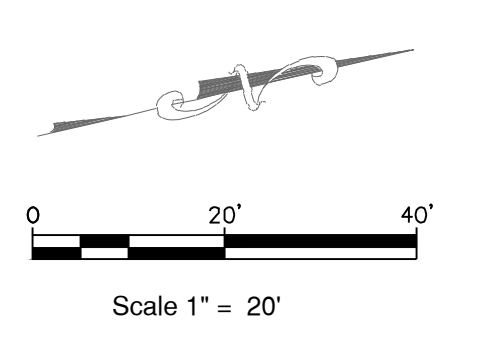
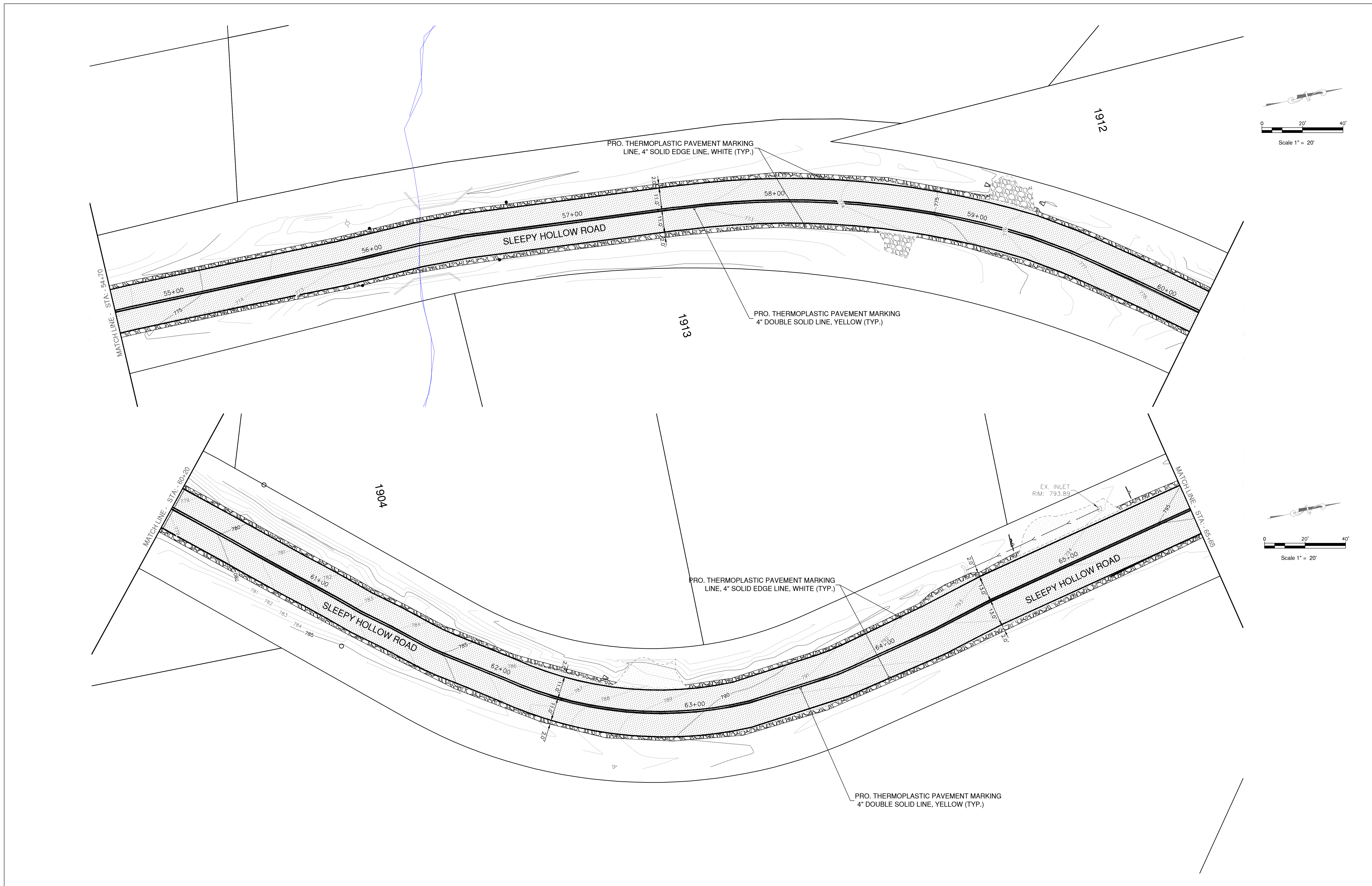
USER NAME:	DESIGNED: JCS	REVISED:	
PLOT SCALE: 1" = 20'	DRAWN: PC	REVISED:	
PLOT DATE:	CHECKED: JDH	REVISED:	3-1-2021
	DATE: 12-15-2020	REVISED:	2-8-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 5 OF 7 SHEETS STA: 43+75 TO STA: 54+70

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 16
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 61H10 FED. AID. PROJECT	



FILE NAME:
SH-1316

USER NAME:	DESIGNED: JCS	REVISED:	
PLOT SCALE: 1" = 20'	DRAWN: PC	REVISED:	3-1-2021
PLOT DATE:	CHECKED: JDH	REVISED:	2-8-2021
	DATE: 12-15-2020	REVISED:	

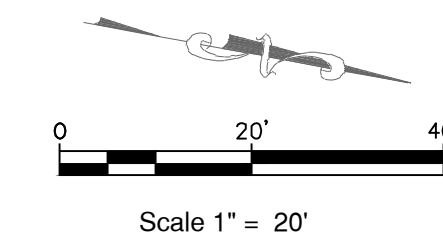
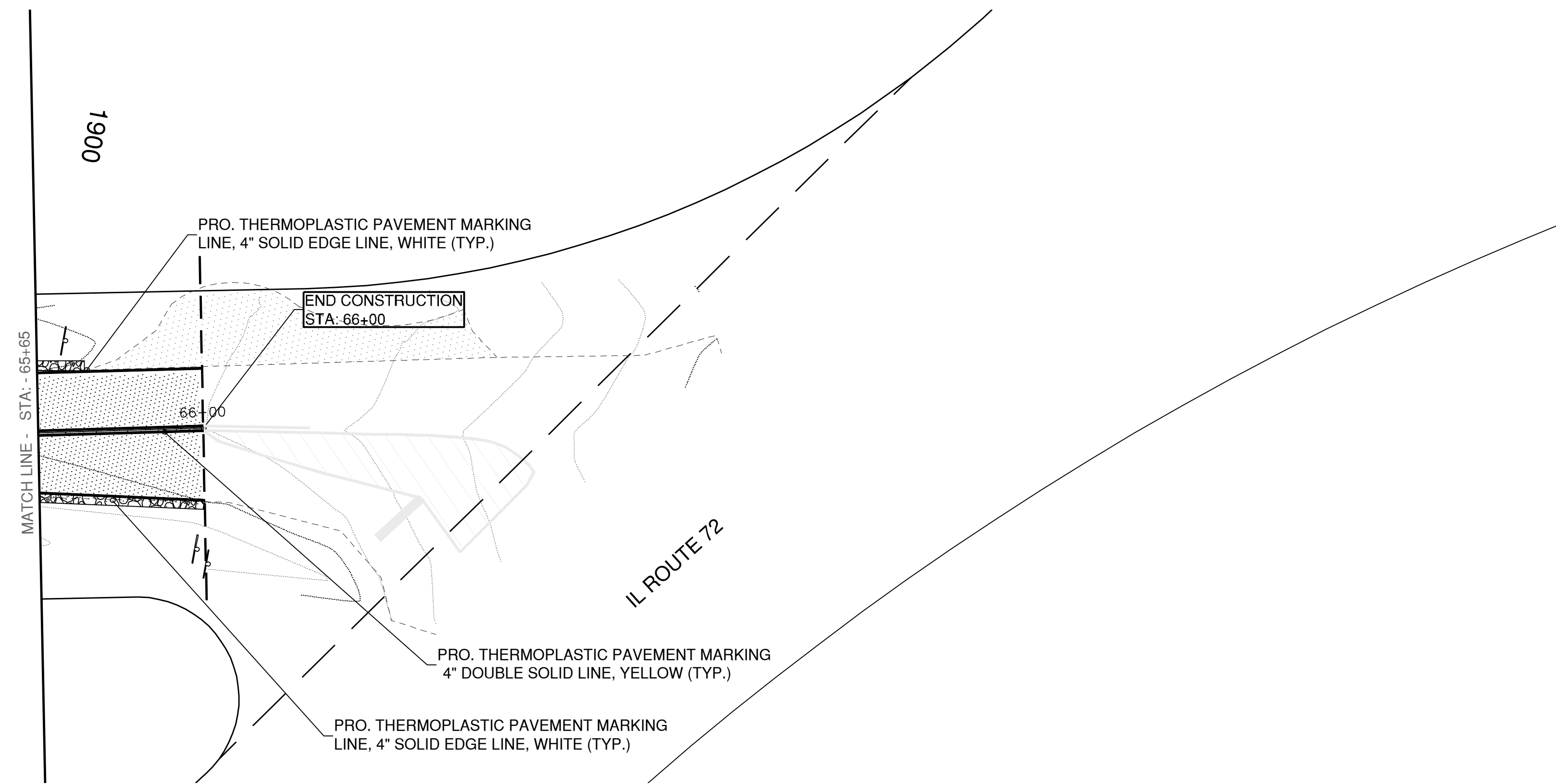
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 6 OF 7 SHEETS STA: 54+70 TO STA: 65+65

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	19-00009-00-RS	KANE	23	17
FED. ROAD DIST. NO.			ILLINOIS	
			FED. AID. PROJECT	

CONTRACT NO. 61H10



FILE NAME:
SH-1316

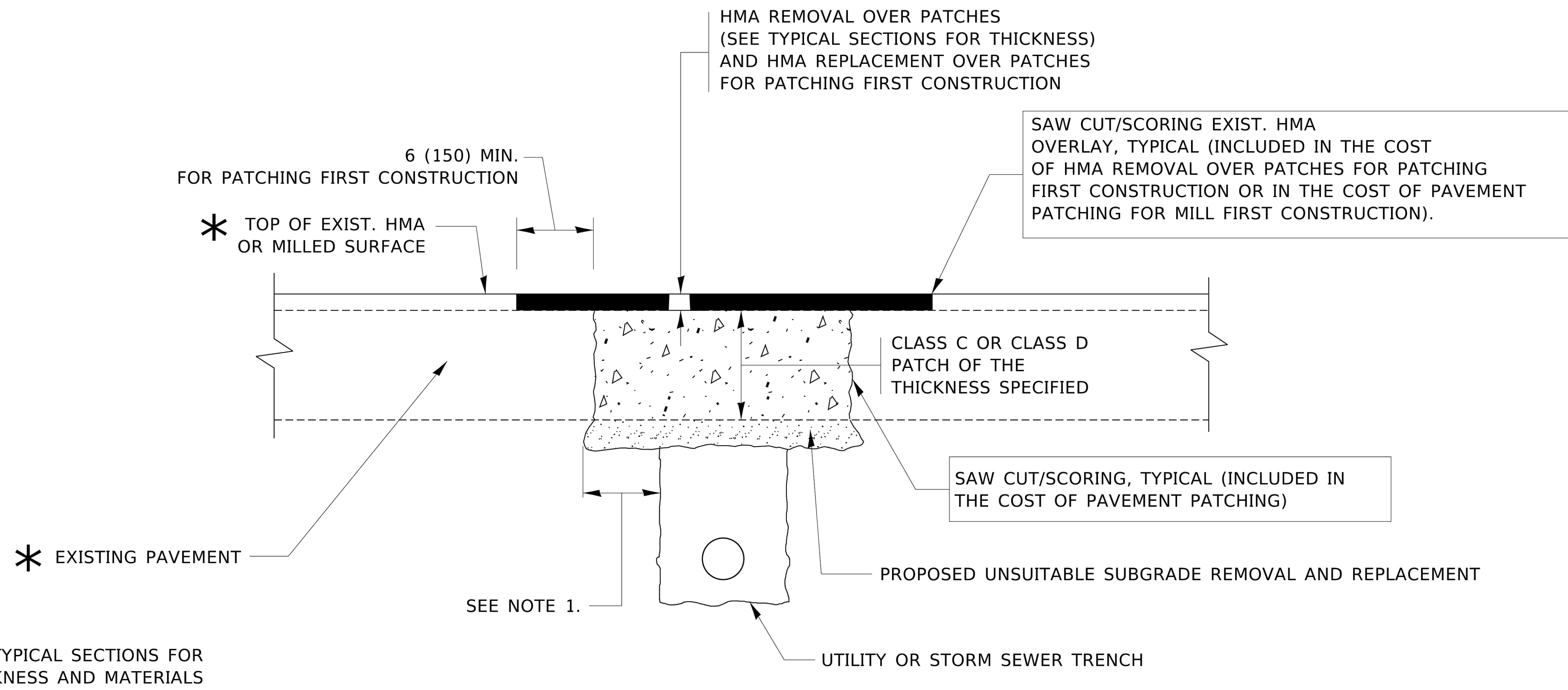
USER NAME:	DESIGNED: JCS	REVISED:	
	DRAWN: PC	REVISED:	
PLOT SCALE: 1" = 20'	CHECKED: JDH	REVISED:	3-1-2021
PLOT DATE:	DATE: 12-15-2020	REVISED:	2-8-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 7 OF 7 SHEETS STA: 65+65 TO STA: 66+00

FAU ROUTE 2509	SECTION 19-00009-00-RS	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 18
FED. ROAD DIST. NO.			ILLINOIS	
			CONTRACT NO. 61H10	
			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".

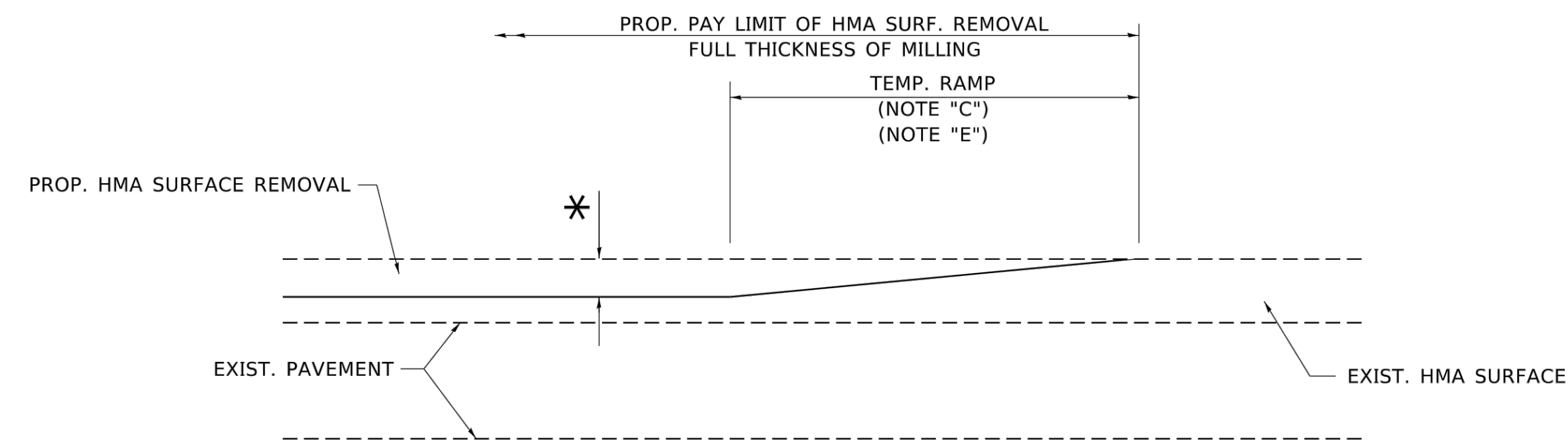
SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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)

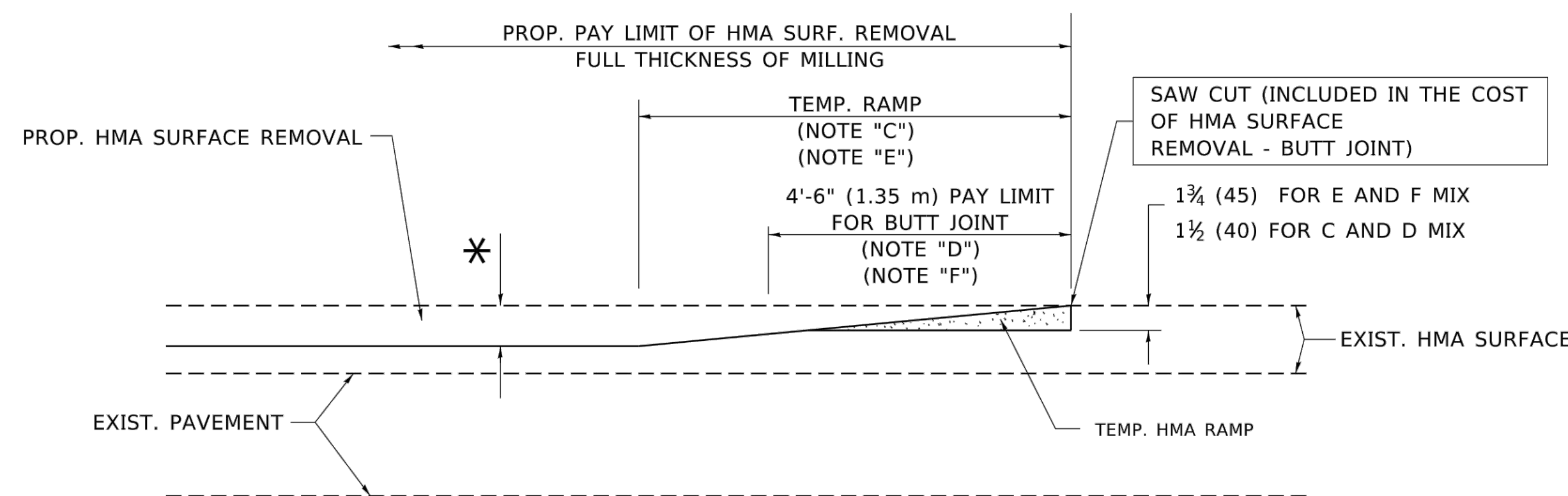
1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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



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

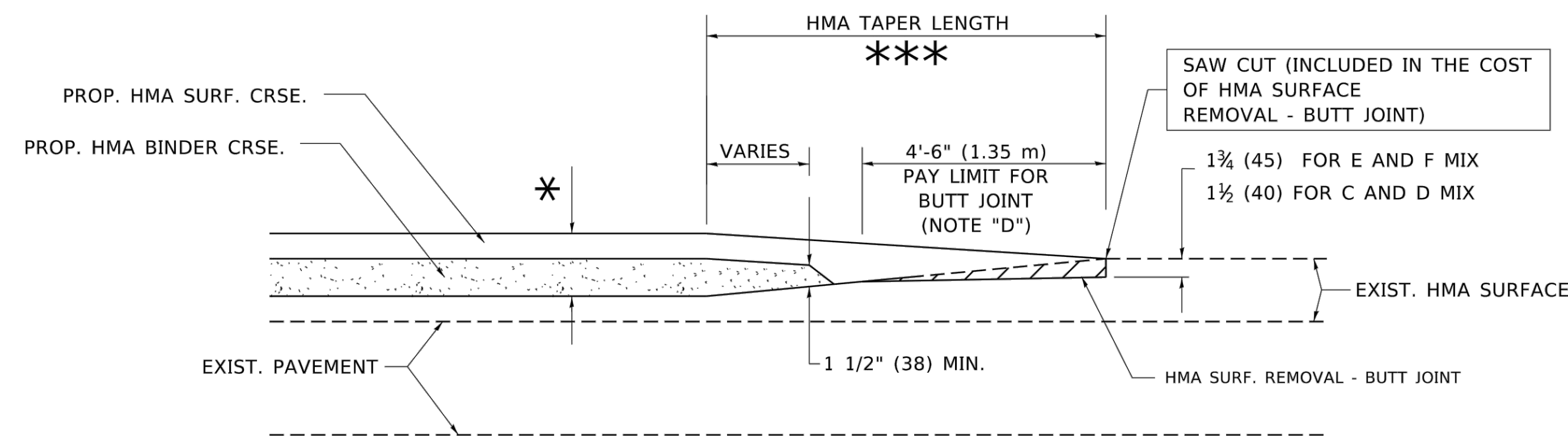
OPTION 1



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

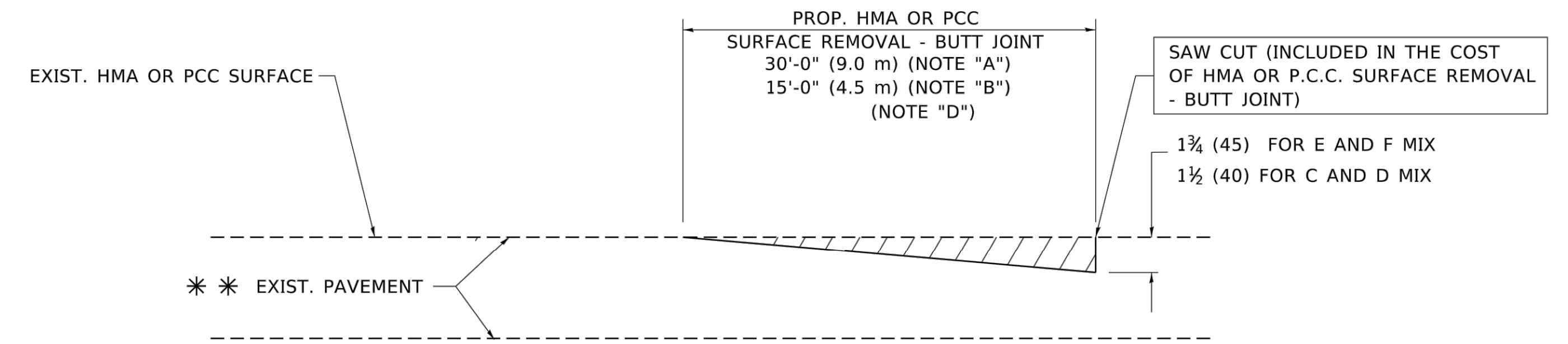
OPTION 2

TYPICAL TEMPORARY RAMP

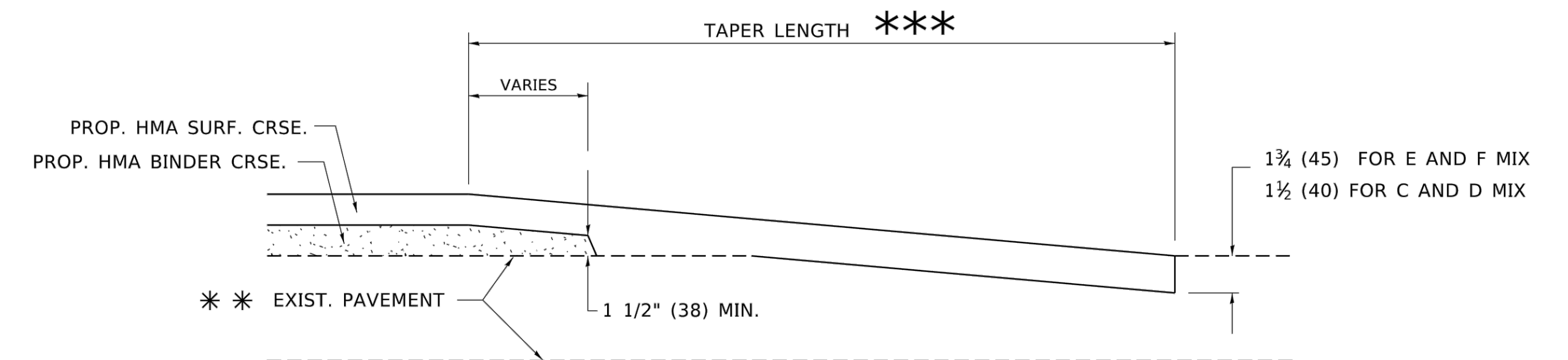


BUTT JOINT AND HMA TAPER

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.

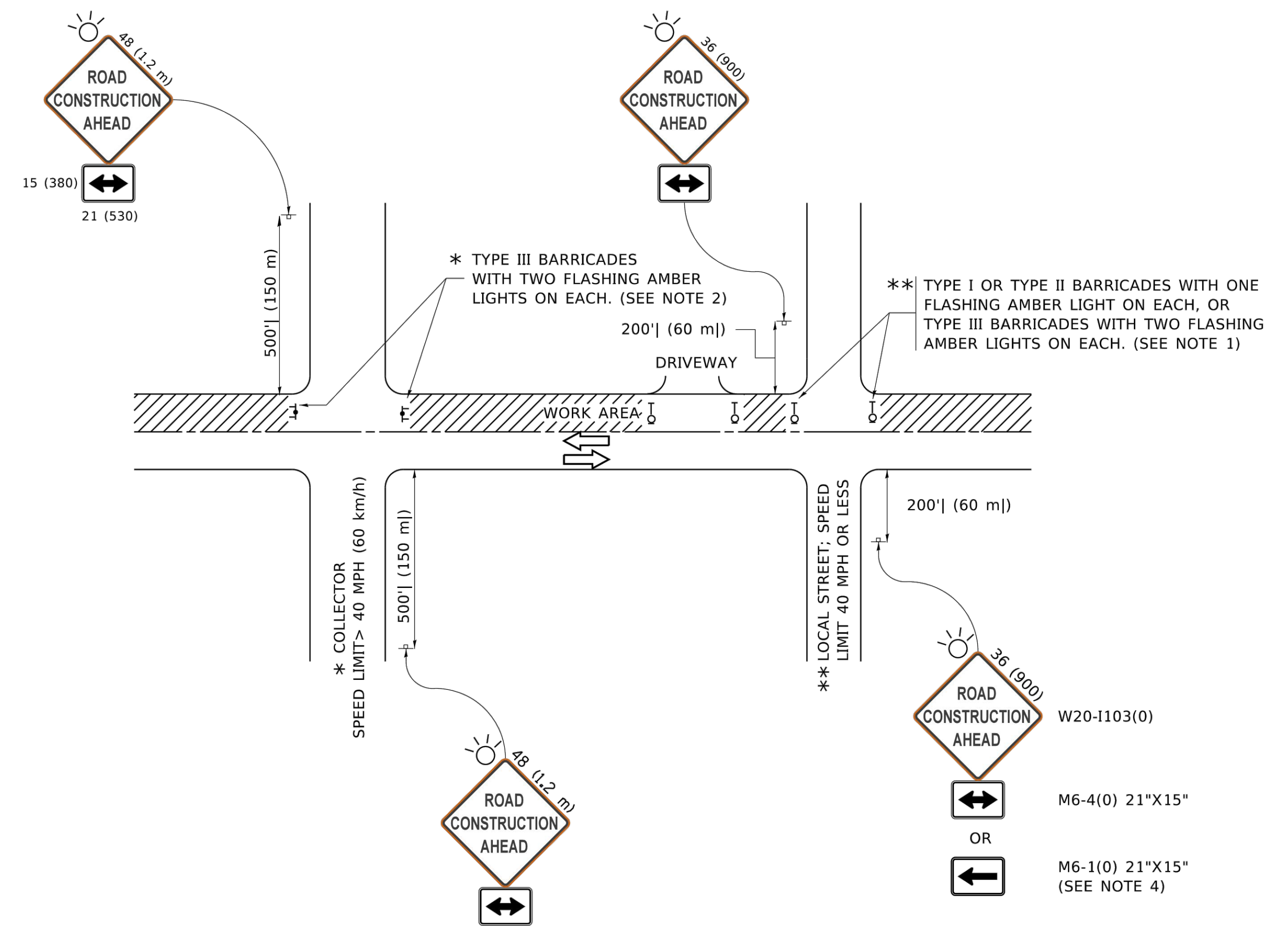
NOTES

- 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.



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) 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.

FILE NAME: SH-1316

GERALD L. HEINZ & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
206 NORTH RIVER STREET
EAST DUNDEE, ILLINOIS 60118

USER NAME:
PLOT SCALE: NTS
PLOT DATE:

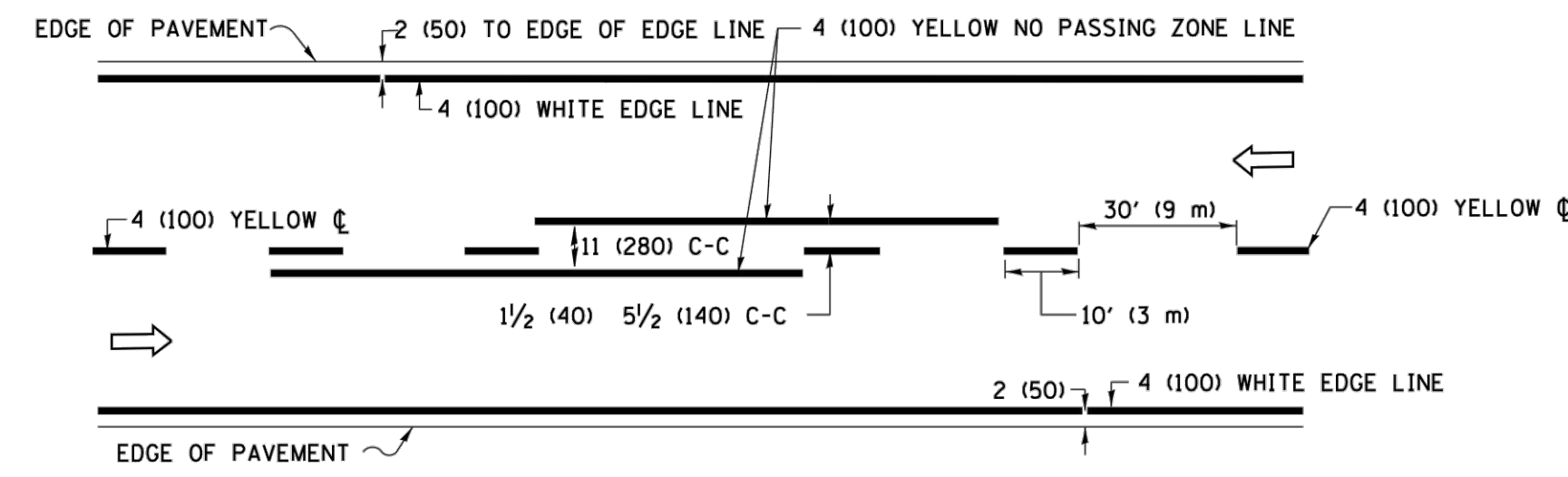
DESIGNED: L.H.A.
DRAWN:
CHECKED:
DATE: 06-89

REVISED: A. HOUSEH 04-27-98
REVISED: T. RAMMACHER 01-06-00
REVISED: A. SCHUETZE 07-01-13
REVISED: A. SCHUETZE 09-15-16

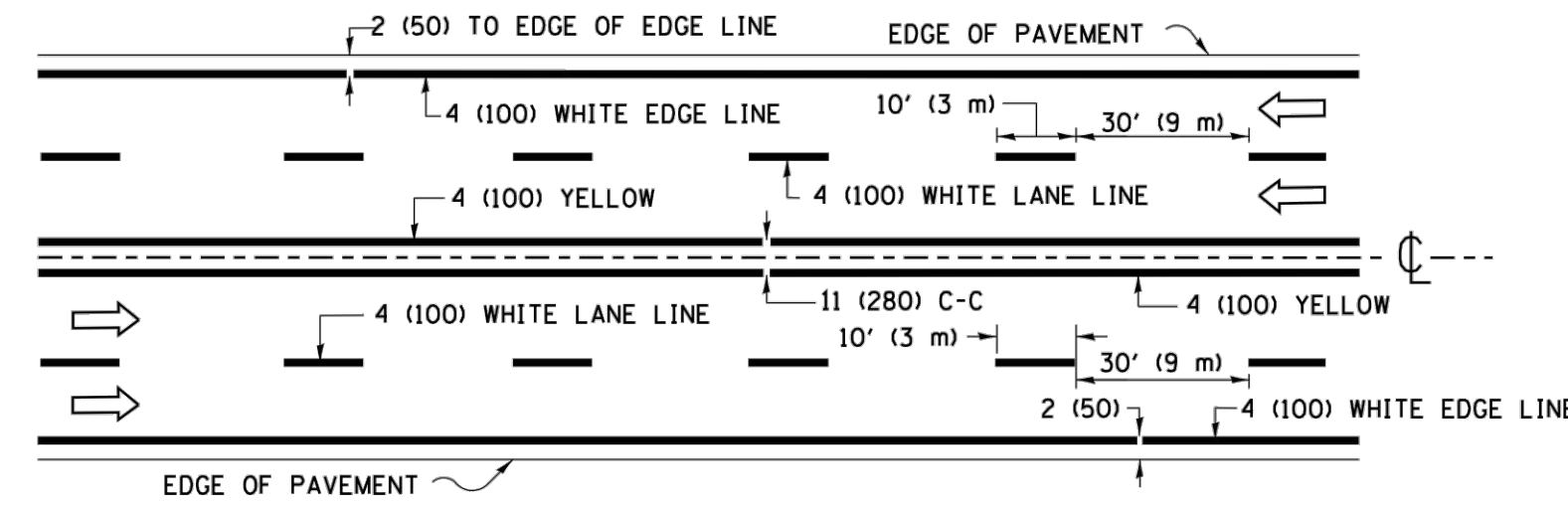
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS INTERSECTIONS AND
DRIVEWAYS (TC-10)

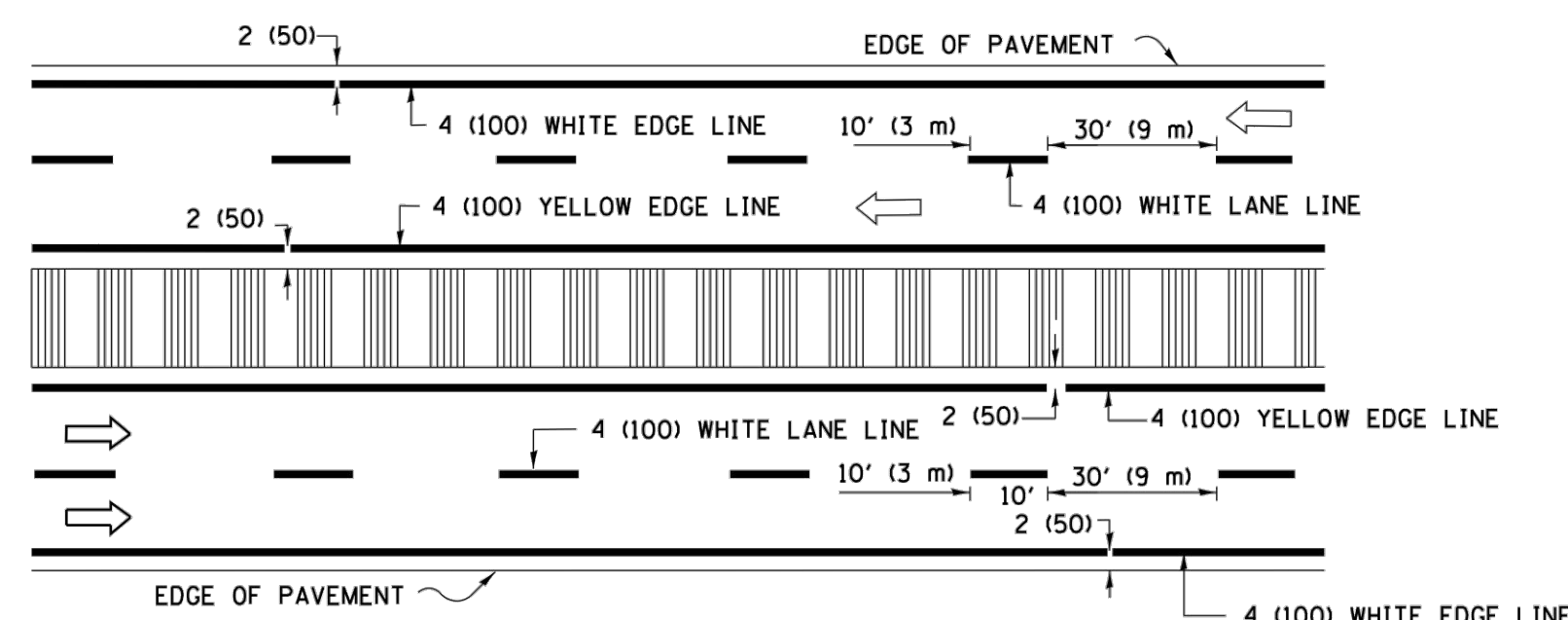
FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	19-00009-00-RS	KANE	23	21
CONTRACT NO. 61H10				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID, PROJECT		



2-LANE ROADWAY

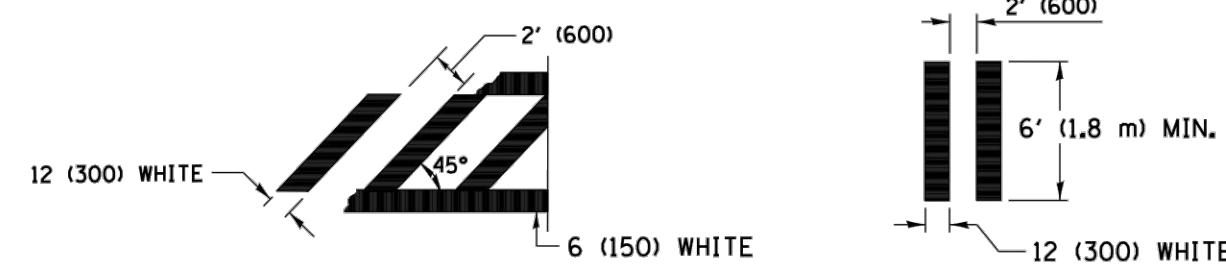
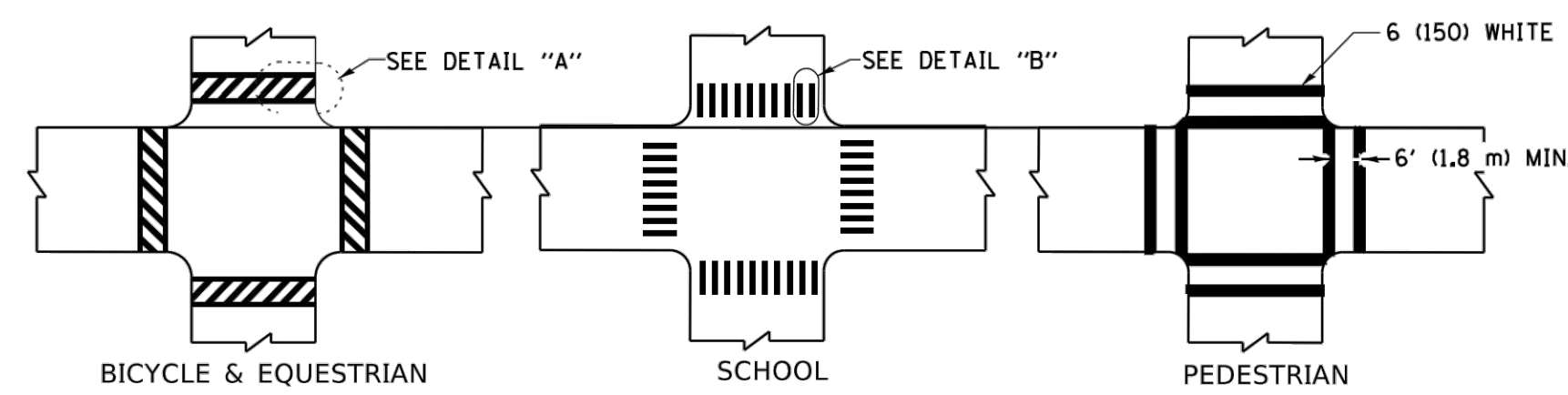


MULTI-LANE UNDIVIDED



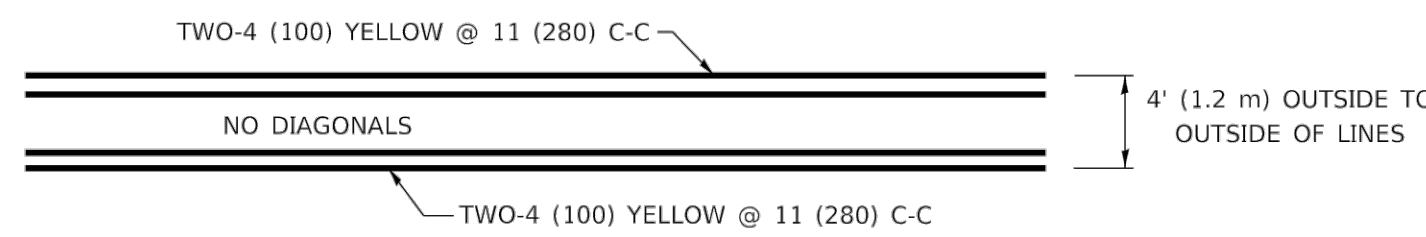
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

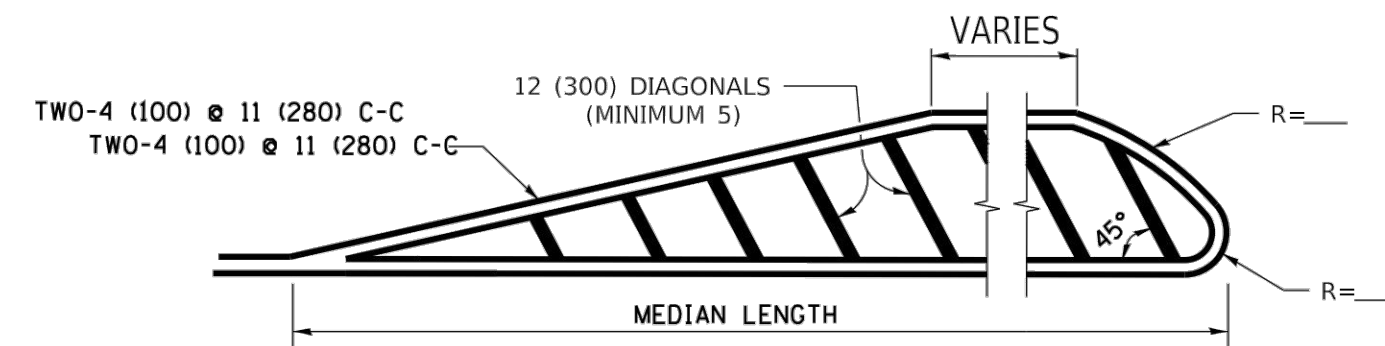


TYPICAL CROSSWALK MARKING

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

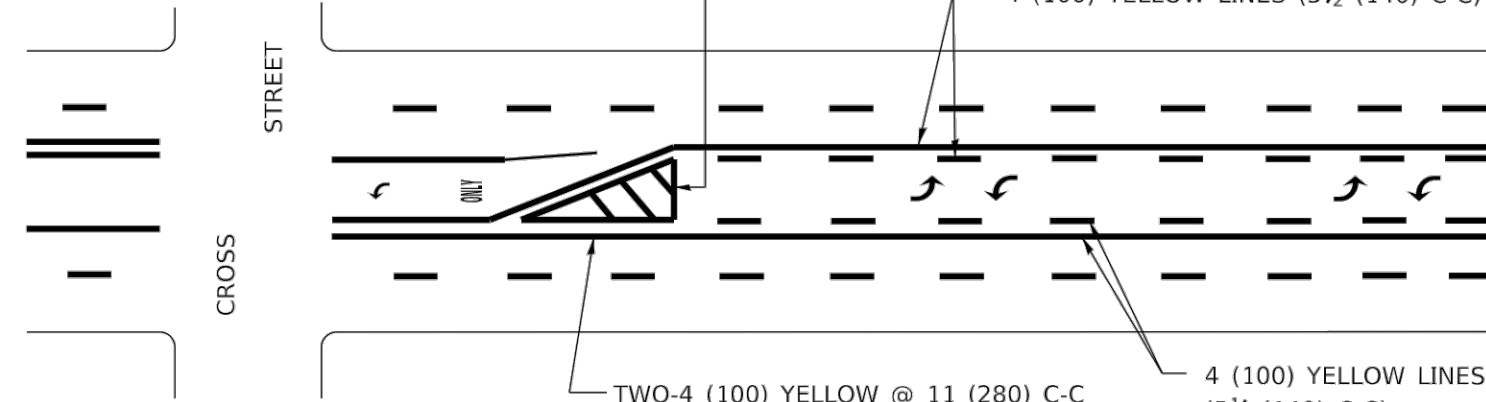


4' (1.2 m) WIDE MEDIANS ONLY

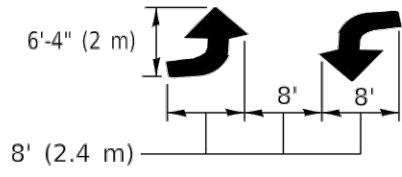


MEDIANS OVER 4' (1.2 m) WIDE

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

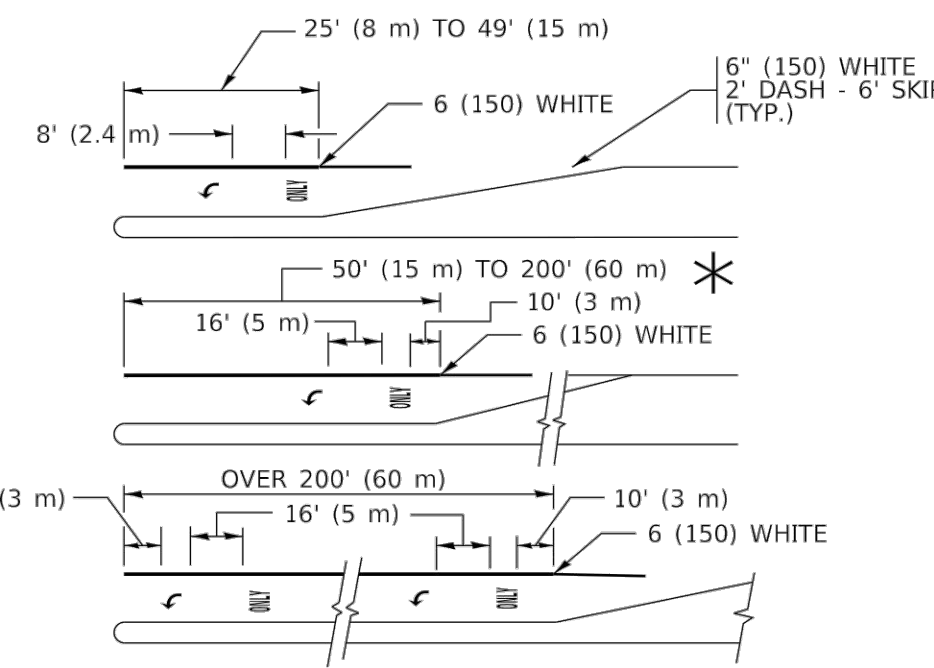


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

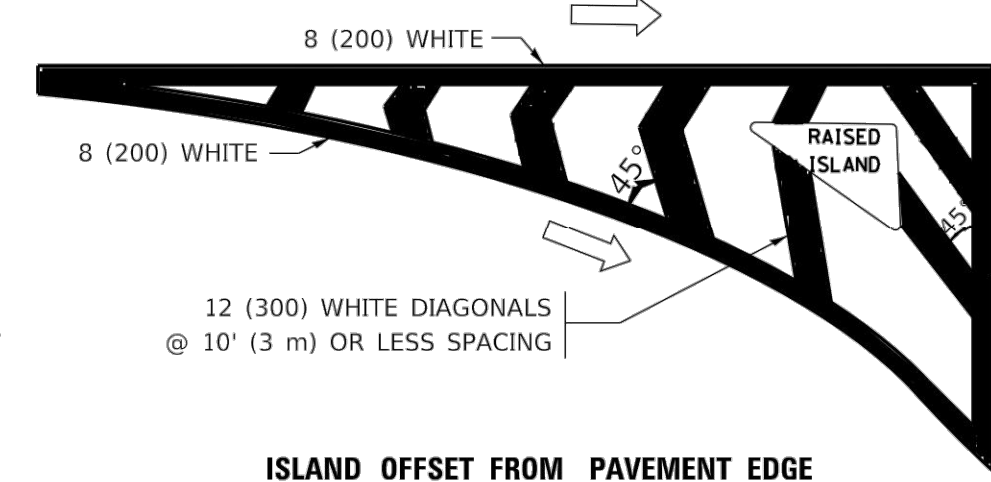


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

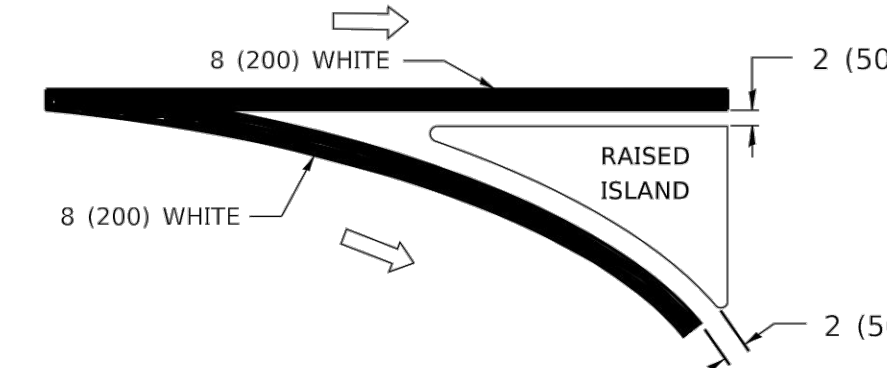
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

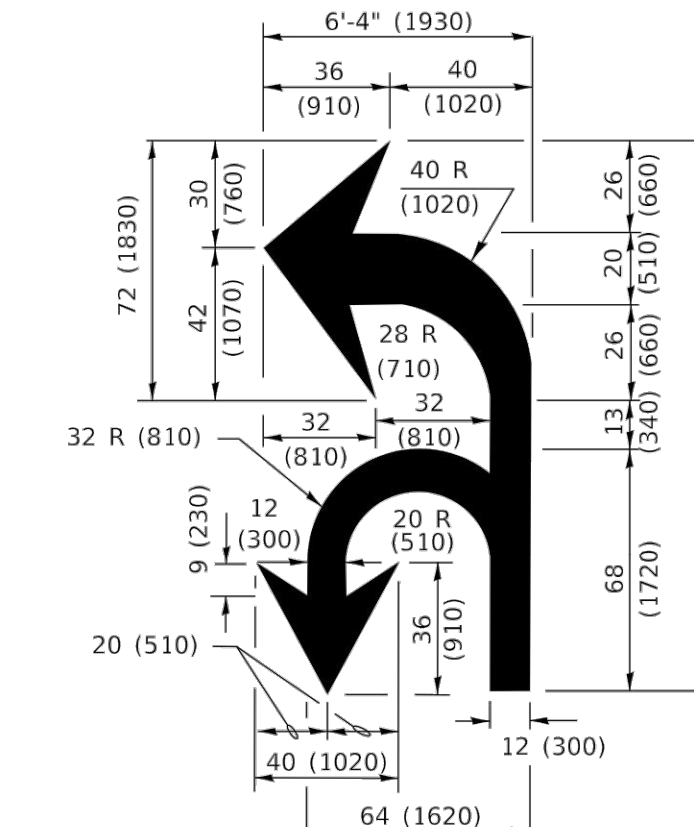


ISLAND OFFSET FROM PAVEMENT EDGE

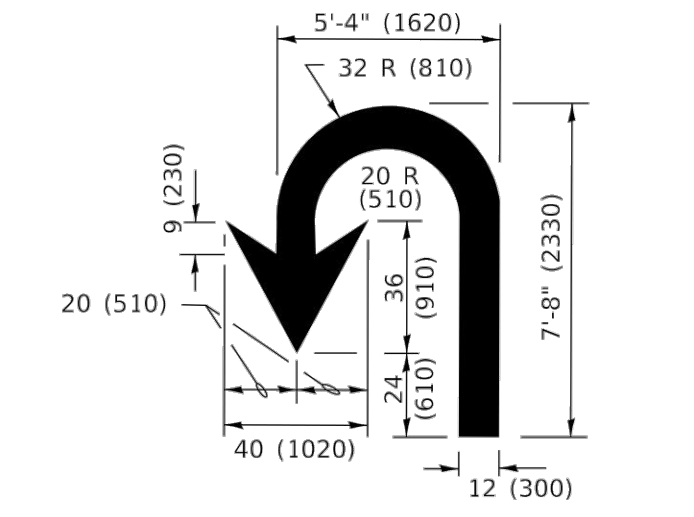


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

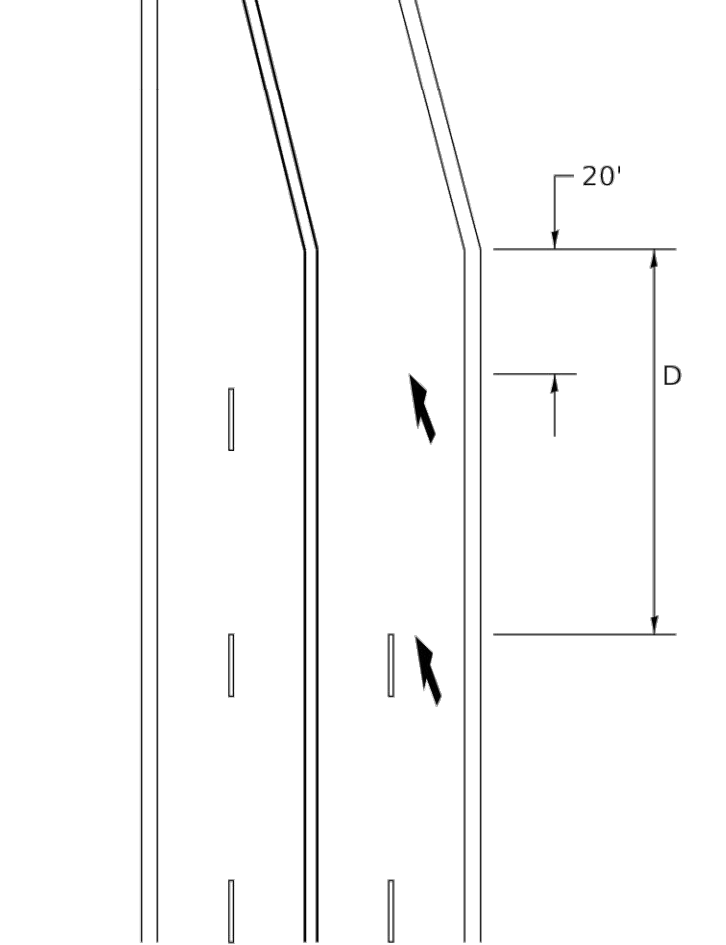


COMBINATION LEFT AND U-TURN



U-TURN

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



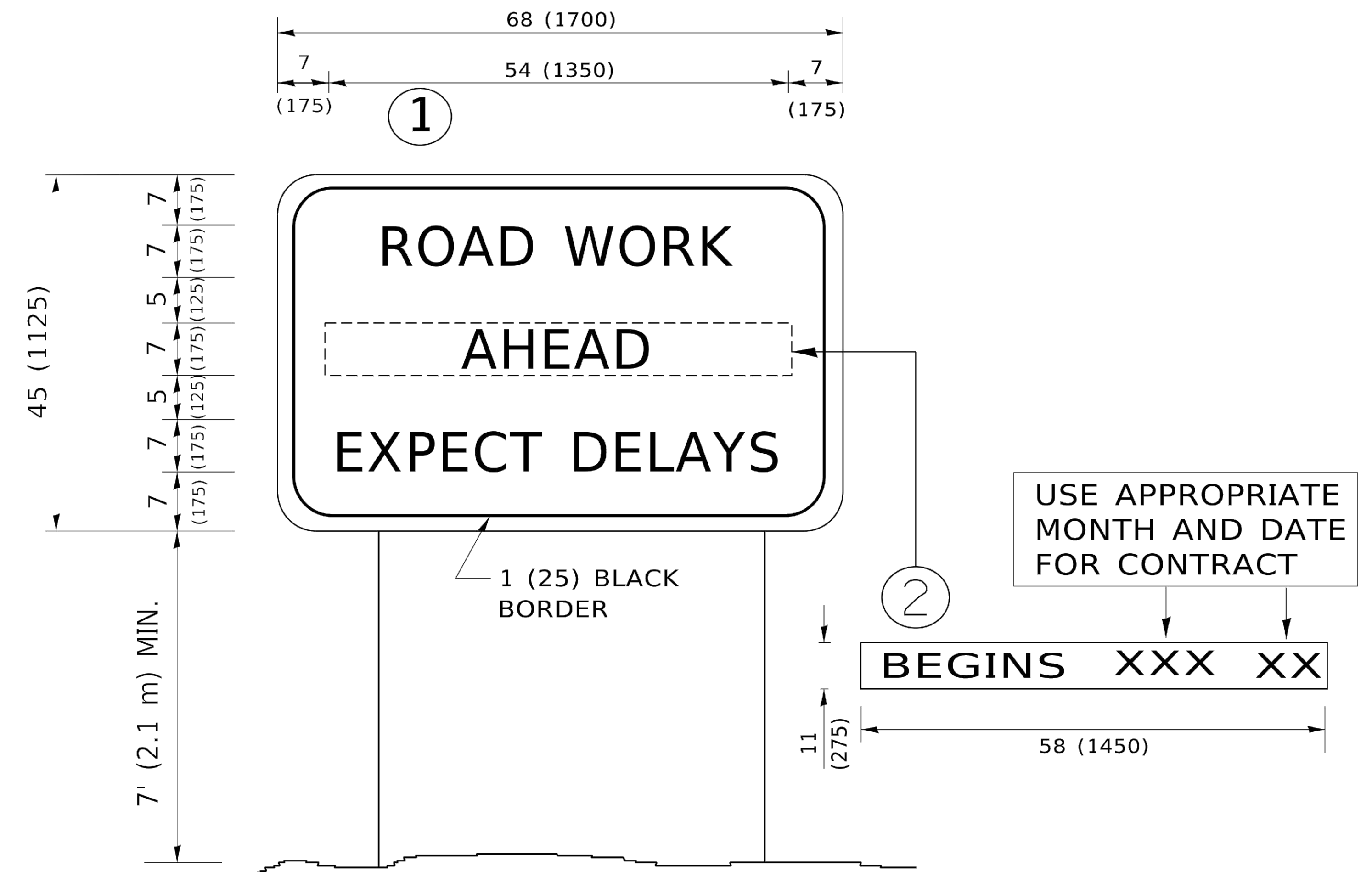
LANE REDUCTION TRANSITION

* 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	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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



NOTES:

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

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

FILE NAME:	GERALD L. HEINZ & ASSOCIATES, INC. CONSULTING ENGINEERS & LAND SURVEYORS 206 NORTH RIVER STREET EAST DUNDEE, ILLINOIS 60118	USER NAME:	DESIGNED:	REVISED: R. MIRS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN (TC-22)	FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		PLOT SCALE: NTS	DRAWN:	REVISED: R. MIRS 12-11-97			2509	19-00009-00-RS	KANE	23	23	
		PLOT DATE:	CHECKED: T. RAMMACHER	REVISED: T. RAMMACHER 02-02-99			CONTRACT NO. 61H10					
			DATE:	REVISED: C. JUCIUS 01-31-07			FED. ROAD DIST. NO.	ILLINOIS	FED. AID, PROJECT			