

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	D7 HMA SAFETY SHLD 2024-2	EFFINGHAM	6	1
		ILLINOIS	CONTRACT NO. 74B64	

D-97-007-23

FOR INDEX OF SHEETS, SEE SHEET NO. 2

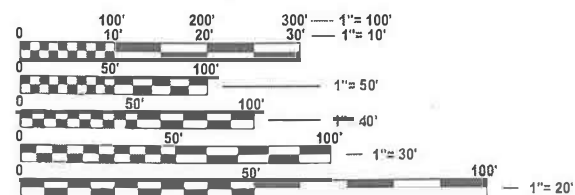
ADT= 2550 (2023)

PROPOSED
HIGHWAY PLANSFAP ROUTE 828 (DIETERICH BLACKTOP)
SECTION D7 HMA SAFETY SHLD 2024-2
PROJECT: HSIP-T863(130)
NEW SHOULDERS, SAFETY IMPROVEMENTS
EFFINGHAM COUNTY

C-97-007-23



LOCATION OF SECTION INDICATED THUS: -

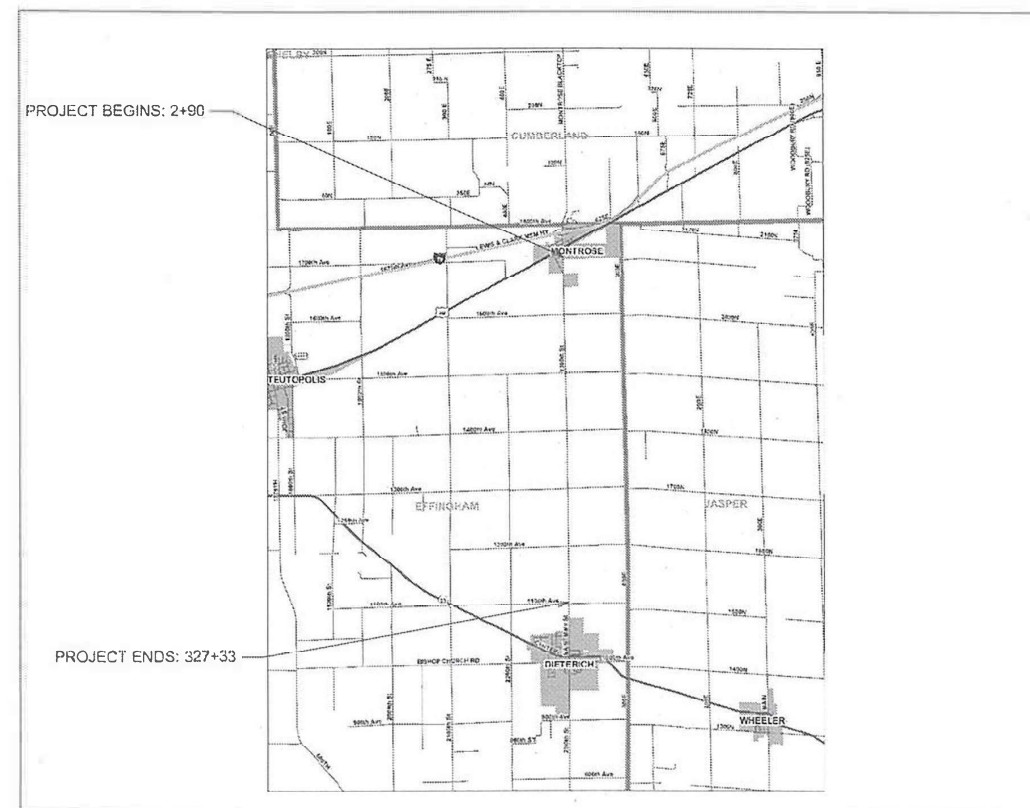


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: MATT BOWER
PROJECT MANAGER: DAKOTA KINCAID

CONTRACT NO. 74B64



GROSS LENGTH = 32,443 FT. = 6.13 MILE
NET LENGTH = 32,443 FT. = 6.13 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 30, 2025
Loe Perry REGIONAL ENGINEER
March 21, 2025
See Etk ENGINEER OF DESIGN AND ENVIRONMENT
March 21, 2025
Grady DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

REV - MS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULE OF QUANTITIES
6	DETAILS

GENERAL NOTES

OMIT RUMBLE STRIPS ON ALL SIDEROADS, PRIVATE, AND COMMERCIAL ENTRACES AT RADIUS RETURNS.

OMIT HOT-MIX ASPHALT SHOULDERS, 8" ON ALL HMA AND PCC SIDEROADS, PRIVATE, AND COMMERCIAL ENTRACES.

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
642006-01	SHOULDER RUMBLE STRIPS 8 INCH
667101-02	PERMANENT SURVEY MARKERS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

APPLICATION RATES

THE FOLLOWING APPLICATION RATES WERE USED IN CALCULATING PLAN QUANTITIES AND HAVE BEEN INCLUDED FOR REFERENCE:

AGGREGATE FOR SURFACE, WEDGE SHOULDERS, AND GRANULAR SUBBASE	2.05 TON/CU YD
HOT-MIX ASPHALT BINDERS AND SURFACES	112 LB/SQ YD/INCH

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
HMA SHOULDERS - 8"	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QCQA	3000	N/A
HMA SHOULDERS - 8"	HMA BINDER COURSE, IL-19.0, N70 (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QCQA	3000	N/A

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		DRAWN -	REVISED -					828	D7 HMA SAFETY SHLD 2024-2	EFFINGHAM	6	2
		CHECKED -	REVISED -					CONTRACT NO. 74B64				
	PLOT DATE = 1/22/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 6	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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90% FED
10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY 0021 RURAL
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	640	640
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2083	2083
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	21325	21325
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	63974	63974
67100100	MOBILIZATION	L SUM	1	1
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50	50
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2	2
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	64339	64339
Z0049799	PROTECTING OR RESETTNG SURVEY MARKERS	EACH	1	1

* SPECIALTY ITEM

REV - MS

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		CHECKED -	REVISED -					CONTRACT NO. 74B64				
	PLOT DATE = 1/16/2025	DATE -	REVISED -		SCALE:	SHEET 4	OF 6	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

STATION 2+90 TO STATION 327+33



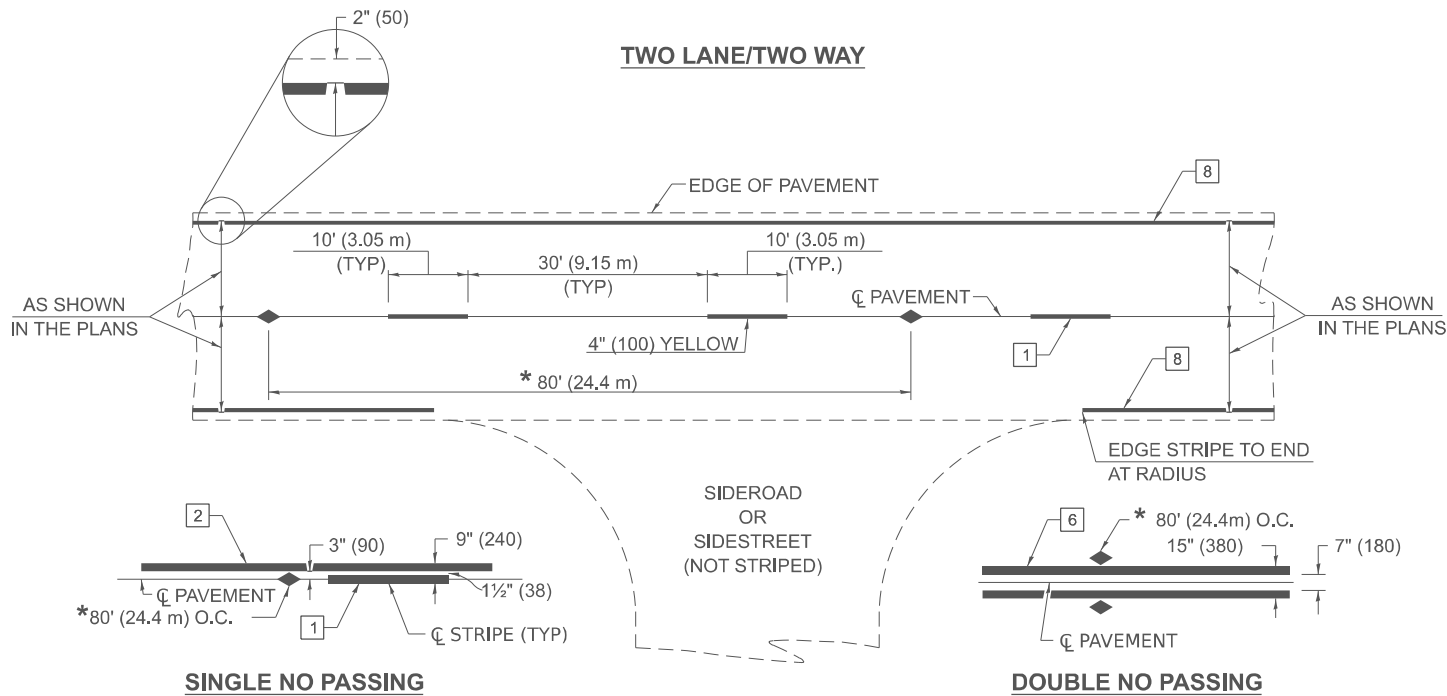
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828	D7 HMA SAFETY SHLD 2024-2	EFFINGHAM	6	4
		CONTRACT NO. 74B64		
ILLINOIS		FED. AID PROJECT		

MODEL: Schedule-1 [Sheet]
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SCHEDULE								
STATION TO STATION			LENGTH	PAINT PAVEMENT MARKING - LINE 4"	EXCAVATING AND GRADING EXISTING SHOULDER	AGGREGATE WEDGE SHOULDER TYPE B	HOT-MIX ASPHALT SHOULDERS	SHOULDER RUMBLE STRIPS 8 INCH
			FOOT	FOOT	UNIT	TON	SQ YD	FOOT
2+90	T0	8+24	534	1031	10	5.9	329.7	989
8+24	T0	23+31	1507	2928	29	79.8	976.0	2928
23+31	T0	62+25	3894	7691	77	261.0	2563.7	7691
62+25	T0	115+92	5367	10644	105	372.9	3483.7	10451
115+92	T0	142+14	2622	5244	51	164.5	1714.7	5144
142+14	T0	168+42	2628	5256	53	164.9	1752.0	5256
168+42	T0	212+18	4376	8652	87	297.6	2886.7	8660
212+18	T0	259+33	4715	9343	93	323.4	3101.7	9305
259+33	T0	288+99	2966	5882	59	190.6	1960.7	5882
288+99	T0	315+01	2602	5204	52	162.9	1734.7	5204
315+01	T0	327+33	1232	2464	25	58.9	821.3	2464
		TOTALS	32443	64339	640	2083.0	21325	63974

PERMANENT SURVEY MARKERS					
POINT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1000	906156.12	971227.92	SECTION COR. - IP BENT BURIED +/-6"	36+56	14.5' RT

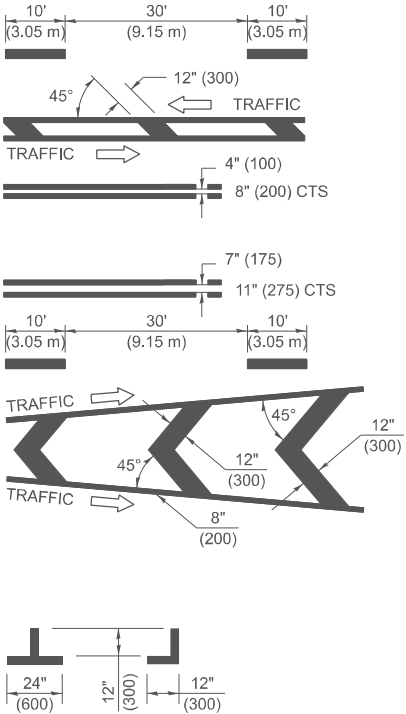
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	PLOT DATE = 1/30/2025	DATE -	REVISED -		SCALE:	SHEET 5	OF 6	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



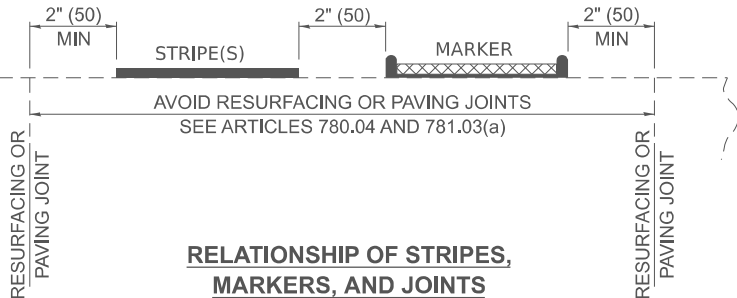
* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 MPH (70 km/h) OR LESS.

PAVEMENT MARKERS LEGEND

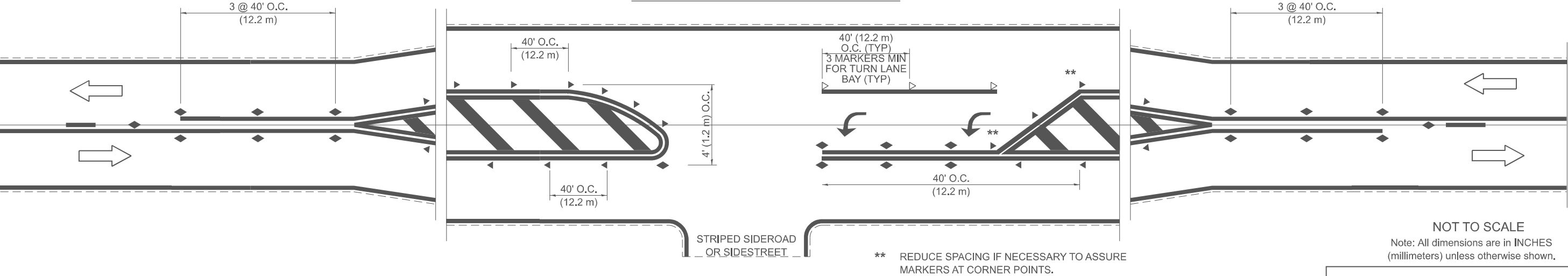
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID (WHITE)
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING (WHITE)



RELATIONSHIP OF STRIPES, MARKERS, AND JOINTS



RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	D7 HMA SAFETY SHLD 2024-2	EFFINGHAM	6	6
CONTRACT NO. 74B64				
ILLINOIS FED. AID PROJECT				

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