
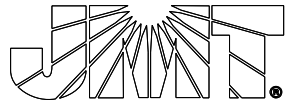


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PROJECT REFERENCE NO. HI-0017	SHEET NO. PMP-1
DocuSigned by: <i>Richard D. Laster</i> CAF5DBC8928F4E2... 02/13/2024	
	
	

PAVEMENT MARKING PLAN
ROBESON COUNTY
LOCATION: US 74 FROM THE SCOTLAND COUNTY LINE
TO I-74/US 74 BUSINESS

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS. INCLUSION OF SPECIFIC SHEETS IN THESE PLANS AS DETAILS DOES NOT EXCLUDE APPLICABILITY OF OTHER SHEETS IN SAME STANDARD.

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMP
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
US 74	THERMO	SNOWPLOWABLE
US 74-BRIDGE DECKS	POLYUREA	SNOWPLOWABLE
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES. SEE ROADWAY PLANS FOR LIMITS OF REPAVING.
- C) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF COLD APPLIED PLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS ON ASPHALT OR CONCRETE ROADWAYS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE COLD APPLIED PAY ITEM.
- D) MARKERS SHALL BE INSTALLED ACCORDING TO THE NCDOT ROADWAY STANDARD DRAWING 1250.01.

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4688000000-E	1205 THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	74,820	LF
4700000000-E	1205 THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	1,420	LF
4725000000-E	1205 THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	8	EA
4846000000-E	1205 POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)	4,630	LF
4905100000-N	1253 NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	516	EA

INDEX

SHEET NO.	DESCRIPTION
PMP-1	TITLE SHEET
PMP-2 - PMP-7	SELECT STANDARD DRAWING DETAILS

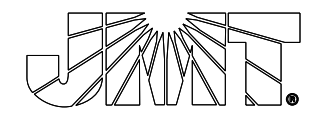
PLAN SUBMITTED TO: NCDOT SIGNING AND DELINEATION UNIT

MITCH EATON, PE SIGNING & DELINEATION REGIONAL ENGINEER
STACEY JOHNS SIGNING & DELINEATION PROJECT DESIGN ENGINEER



8/17/99

2/13/2024
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<p>CONTINUOUS LINES</p> <p>EDGE LINE YELLOW OR WHITE 4" / 6"</p> <p>LANE LINE WHITE 4" / 6"</p> <p>CENTER LINE YELLOW 4" / 6"</p> <p>GORE LINE WHITE 8" / 12"</p> <p>DIAGONAL LINE YELLOW OR WHITE 12" 45 MPH OR HIGHER 8" LESS THAN 45 MPH</p> <p>CROSSWALK LINE WHITE 8" TRANSVERSE 24" LONGITUDINAL</p> <p>RxR LINE WHITE 16"</p> <p>STOP OR TRANSVERSE BAR WHITE 24"</p>	<p>10'-30'/SP SKIP LINE UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES. 4" / 6"</p>	<p>2'-6'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS. 4" / 6"</p>	<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p> <p>1-24</p> <p>ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS LINE TYPES AND OFFSETS</p> <p>SHEET 1 OF 2 1205.01</p>
	<p>3'-3'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS. 8" / 12"</p>	<p>3'-9'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES. 4" / 6"</p>	
<p>GENERAL NOTES:</p> <p>1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.</p> <p>2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.</p> <p>3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.</p>			

<p>EDGE LINE OFFSET DETAIL</p> <p>SHOULDER WHITE OR YELLOW EDGE LINE 2" MAX., REFER ALSO TO TABLE 1 E.O.T.</p>	<p>TABLE 1 EDGE LINE OFFSETS FOR 2-LANE, 2-WAY ROADWAYS WITH UN-PAVED SHOULDERS</p> <table border="1"> <thead> <tr> <th>WIDTH (W) OF TRAVEL PAVEMENT</th> <th>MAX. EDGE LINE OFFSET FROM E.O.T.</th> <th>MINIMUM LANE WIDTH (W)</th> </tr> </thead> <tbody> <tr><td>16' - 18'</td><td>2'</td><td>8' - 9'</td></tr> <tr><td>19'</td><td>4"</td><td>9.5'</td></tr> <tr><td>20'</td><td>6"</td><td>10'</td></tr> <tr><td>21'</td><td>8"</td><td>10.5'</td></tr> <tr><td>22'</td><td>10"</td><td>11'</td></tr> <tr><td>23'</td><td>10"</td><td>11.5'</td></tr> <tr><td>24'</td><td>1'</td><td>12'</td></tr> <tr><td>26'</td><td>2'</td><td>12.5'</td></tr> <tr><td>28'</td><td>2'</td><td>13'</td></tr> <tr><td>30'</td><td>3'</td><td>13.5'</td></tr> <tr><td>32'</td><td>4'</td><td>14'</td></tr> </tbody> </table>	WIDTH (W) OF TRAVEL PAVEMENT	MAX. EDGE LINE OFFSET FROM E.O.T.	MINIMUM LANE WIDTH (W)	16' - 18'	2'	8' - 9'	19'	4"	9.5'	20'	6"	10'	21'	8"	10.5'	22'	10"	11'	23'	10"	11.5'	24'	1'	12'	26'	2'	12.5'	28'	2'	13'	30'	3'	13.5'	32'	4'	14'	<p>TWO-WAY UNDIVIDED ROADWAY</p> <p>SEE EDGE LINE OFFSET DETAIL SEE CENTER LINE OFFSET DETAIL</p>
WIDTH (W) OF TRAVEL PAVEMENT	MAX. EDGE LINE OFFSET FROM E.O.T.	MINIMUM LANE WIDTH (W)																																				
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32'	4'	14'																																				
<p>CENTER LINE OFFSET DETAIL</p> <p>YELLOW CENTER LINE 3" / 4" / 6"</p>		<p>TWO-WAY UNDIVIDED ROADWAY WITH TWO-WAY LEFT TURN LANE</p> <p>SEE EDGE LINE OFFSET DETAIL SEE CENTER LINE OFFSET DETAIL</p>																																				
<p>LANE LINE OFFSET DETAIL</p> <p>WHITE LANE LINE 2" TOWARDS LEFT SIDE OF TRAVELWAY</p>	<p>LEGEND</p> <p>W = WIDTH OF TRAVEL LANE E.O.T. = EDGE OF TRAVEL ● DIRECTION OF TRAVEL ● TRAFFIC FLOW</p>	<p>MULTI-LANE ROADWAY</p> <p>SEE EDGE LINE OFFSET DETAIL SEE LANE LINE OFFSET DETAIL</p>																																				

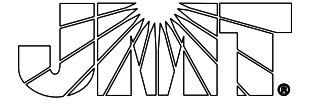
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

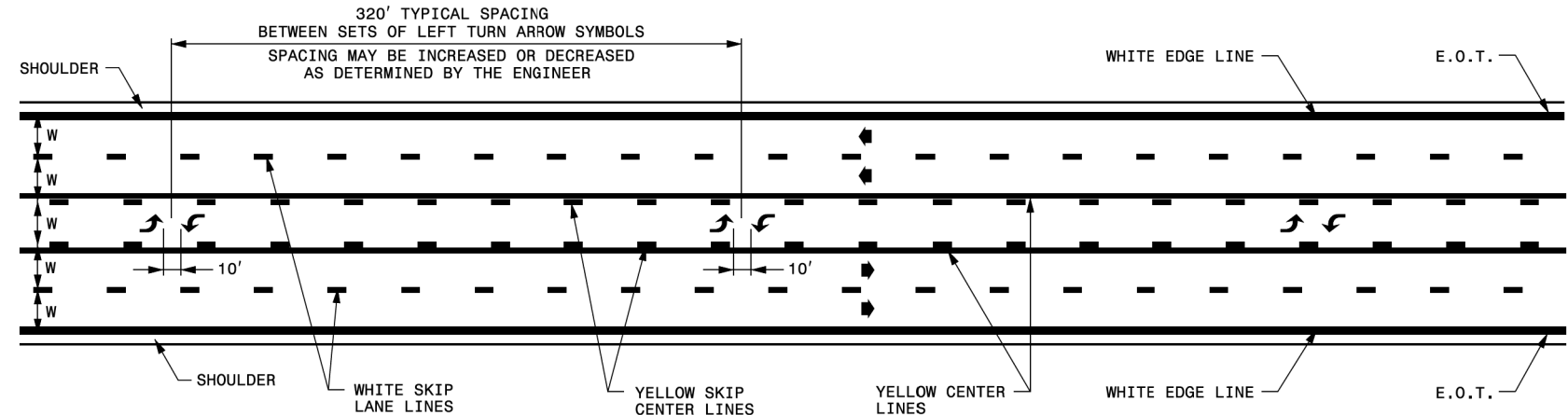
ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 2 OF 2
1205.01

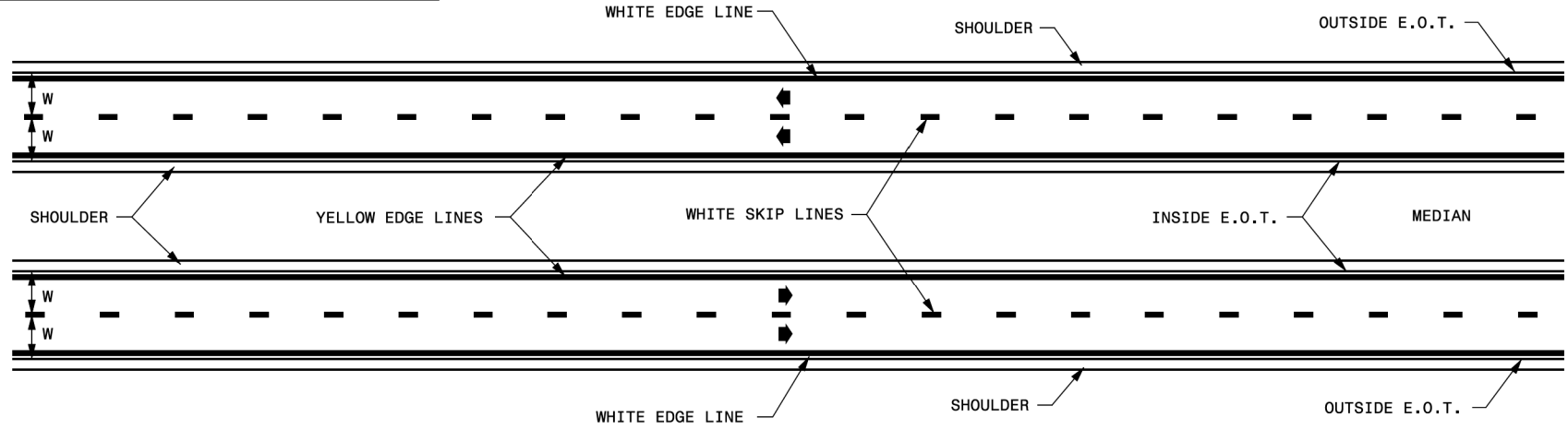
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UNDIVIDED MULTI-LANE ROADWAY WITH TWO-WAY LEFT TURN LANE



DIVIDED FOUR-LANE ROADWAY



GENERAL NOTES:

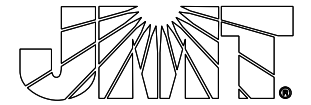
- EDGE LINES ARE NOT REQUIRED ALONG CURB AND GUTTER LOCATIONS.
- CONTINUE EDGE LINES THROUGH MINOR DRIVEWAYS. DO NOT CONTINUE EDGE LINES AT INTERSECTIONS AND MAJOR DRIVEWAYS, SEE ROADWAY STANDARD DRAWING 1205.05 FOR ADDITIONAL GUIDANCE.
- REFER TO ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.08 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

LEGEND	
W	WIDTH OF TRAVEL LANE
E.O.T.	EDGE OF TRAVEL
➔	DIRECTION OF TRAFFIC FLOW
↻	PAVEMENT MARKING SYMBOLS

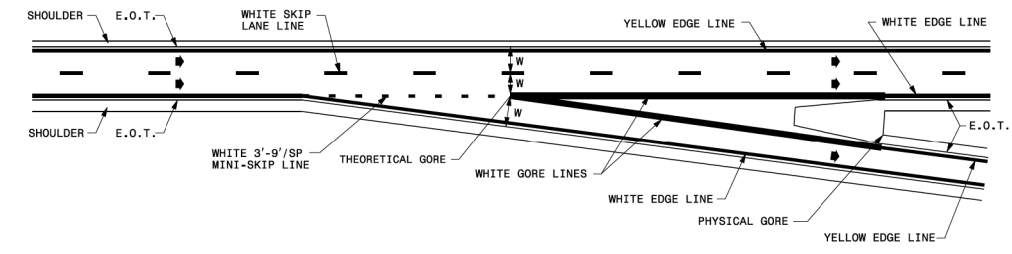
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
TWO-LANE AND MULTI-LANE ROADWAYS

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TAPERED DECELERATION LANE

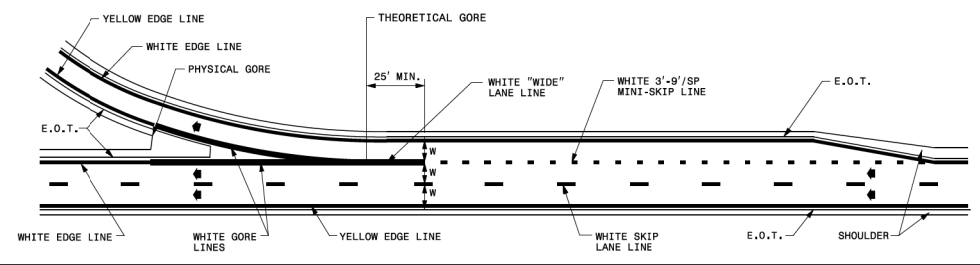


- GENERAL NOTES:
- 1- LINE WIDTH ON ENTRANCE AND EXIT RAMP SHALL MATCH THE LINE WIDTH ON THE MAINLINE.
 - 2- GORE LINE MARKINGS TERMINATE AT THE PHYSICAL GORE.
 - 3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.
 - 4- REFER TO ROADWAY STANDARD DRAWING 1205.01 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

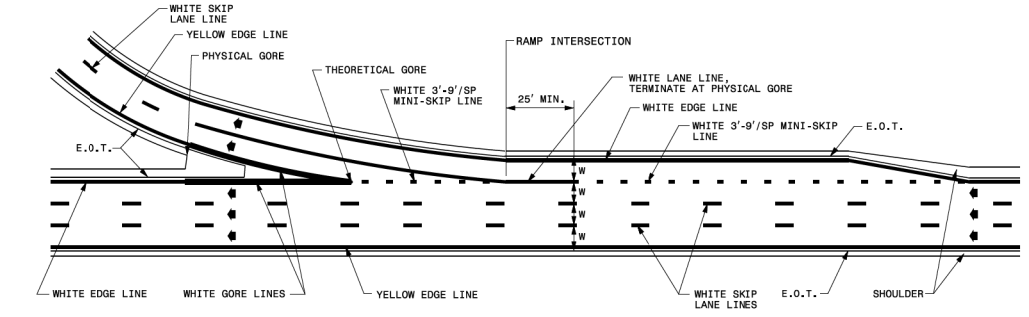
LEGEND	
W	= WIDTH OF TRAVEL LANE
E.O.T.	= EDGE OF TRAVEL
●	DIRECTION OF TRAFFIC FLOW

1-24 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS EXIT AND ENTRANCE RAMP
 SHEET 1 OF 3
1205.03

PARALLEL DECELERATION LANE



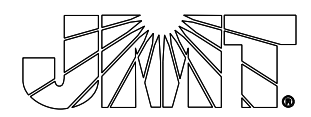
PARALLEL DECELERATION LANE AT A MULTI-LANE EXIT



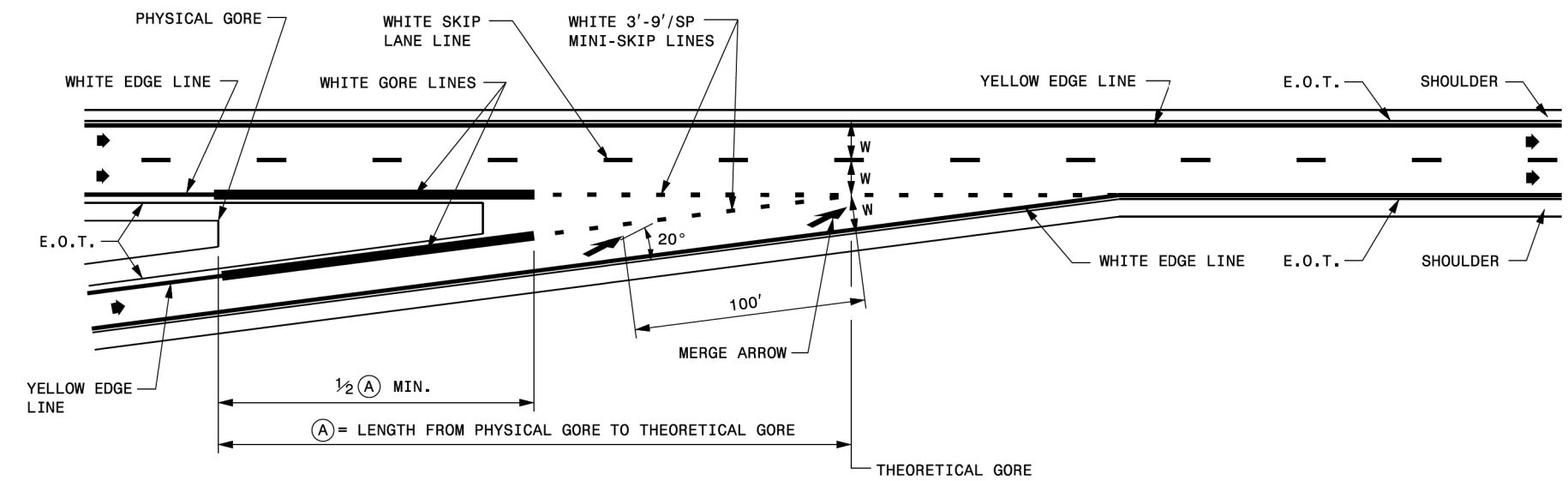
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LEGEND	
W	= WIDTH OF TRAVEL LANE
E.O.T.	= EDGE OF TRAVEL
●	DIRECTION OF TRAFFIC FLOW

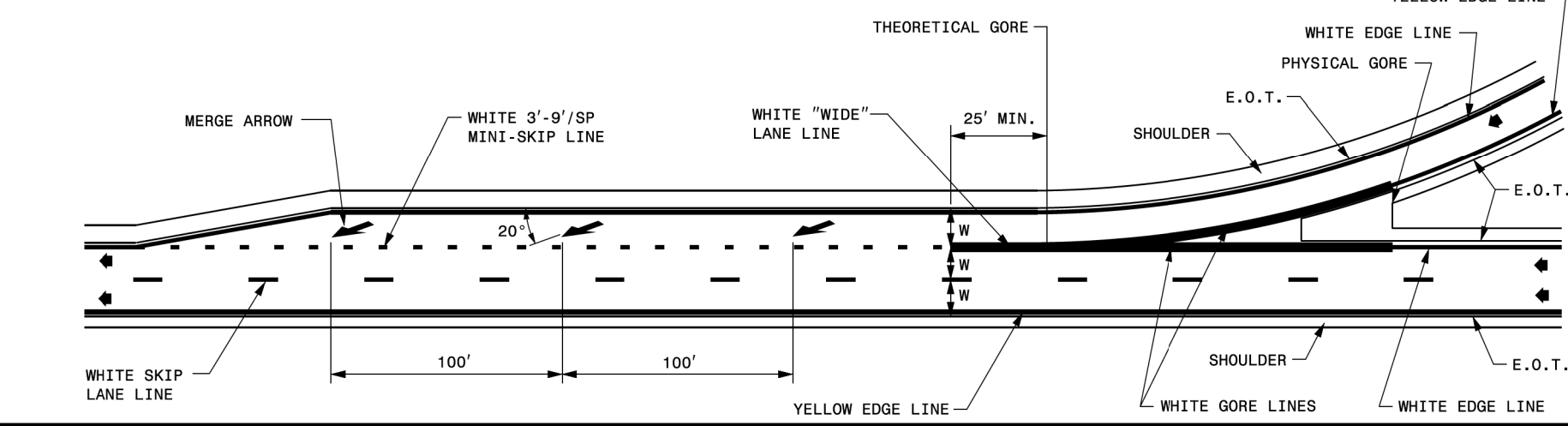
1-24 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS EXIT AND ENTRANCE RAMP
 SHEET 2 OF 3
1205.03



TAPERED ACCELERATION LANE



PARALLEL ACCELERATION LANE



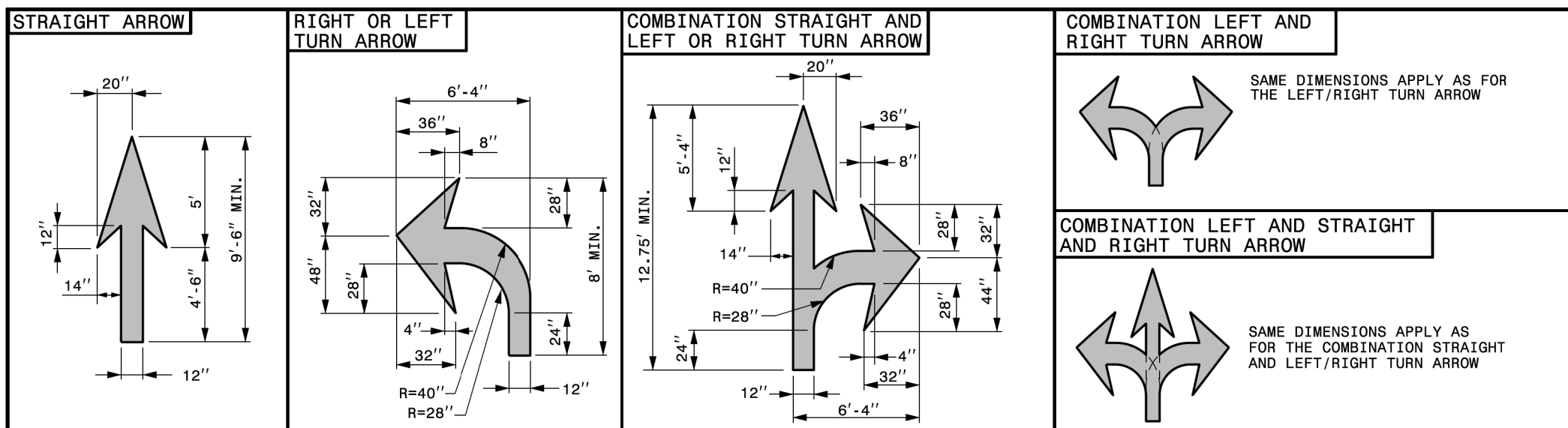
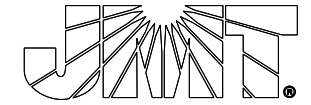
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LEGEND	
W	= WIDTH OF TRAVEL LANE
E.O.T.	= EDGE OF TRAVEL
➔	DIRECTION OF TRAFFIC FLOW
—	PAVEMENT MARKING SYMBOLS

1-24 STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
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RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
EXIT AND ENTRANCE RAMP

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GENERAL NOTES:

- 1- USE THE COLOR WHITE FOR ALL PAVEMENT MARKING SYMBOLS.
- 2- DO NOT LOCATE PAVEMENT MARKING SYMBOLS AS TO ENCR OACH INTO INTERSECTION AREAS.
- 3- DO NOT PLACE SYMBOLS ACROSS TRANSVERSE EXPANSION JOINTS ON PORTLAND CEMENT CONCRETE PAVEMENTS, UNLESS APPROVED BY THE ENGINEER.
- 4- CONFORM ALL SYMBOLS TO THE FHWA "STANDARD HIGHWAY SIGNS" MANUAL WHICH INCLUDES PAVEMENT MARKINGS AND STANDARD ALPHABETS (REFER TO SHEETS 6 THRU 9). DIMENSIONS CAN VARY AMONG MANUFACTURERS, THEREFORE SLIGHT VARIANCES ARE ACCEPTABLE. HOWEVER, ALL SYMBOLS ARE REQUIRED TO BE APPROVED BY THE DEPARTMENT.

NOTE:

- 1- WHEN INSTALLING COLD APPLIED PLASTIC ON CONCRETE, IT IS RECOMMENDED TO USE COLD APPLIED PLASTIC WITH A BLACK CONTRASTING BOLDER.

1-24 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS SYMBOLS AND WORD MESSAGES

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