

T.I.P.: HI-0018

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

TIP NO. HI-0018 SHEET NO. PMP-1 APPROVED: Matthew Thigpen DATE: 1/8/2025 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PAVEMENT MARKING PLAN COLUMBUS COUNTY

INDEX

Table with 2 columns: SHEET NO., DESCRIPTION. Rows include PMP-1 (PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET) and PMP-2-8 (SELECT STANDARD DRAWING DETAILS).

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT... A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS: ROAD NAME, MARKING, MARKER... D) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES... I) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS.

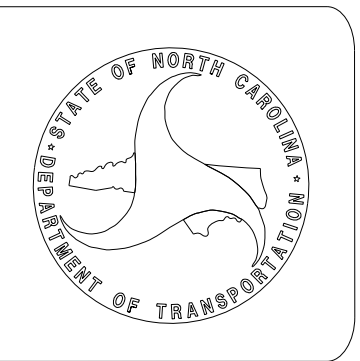
PAVEMENT MARKING SCHEDULE

Table with 5 columns: ITEM NO., DESC. NO., SECT. NO., ITEM DESCRIPTION, QUANTITY, UNIT. Rows list various pavement marking items like THERMOPLASTIC PAVEMENT MARKING LINES, POLYUREA LINES, and PERMANENT RAISED PAVEMENT MARKERS.

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: STD. NO., TITLE... 1205.01 PAVEMENT MARKINGS - LINE TYPES AND OFFSETS... 1262.01 GUARDRAIL END DELINEATION

PLAN SUBMITTED TO: NCDOT SIGNING AND DELINEATION UNIT Mitch Eaton, PE SIGNING AND DELINATION REGIONAL ENGINEER Stacey Johns SIGNING AND DELINATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: THIGPEN ENGINEERING A. Matthew Thigpen, PE President



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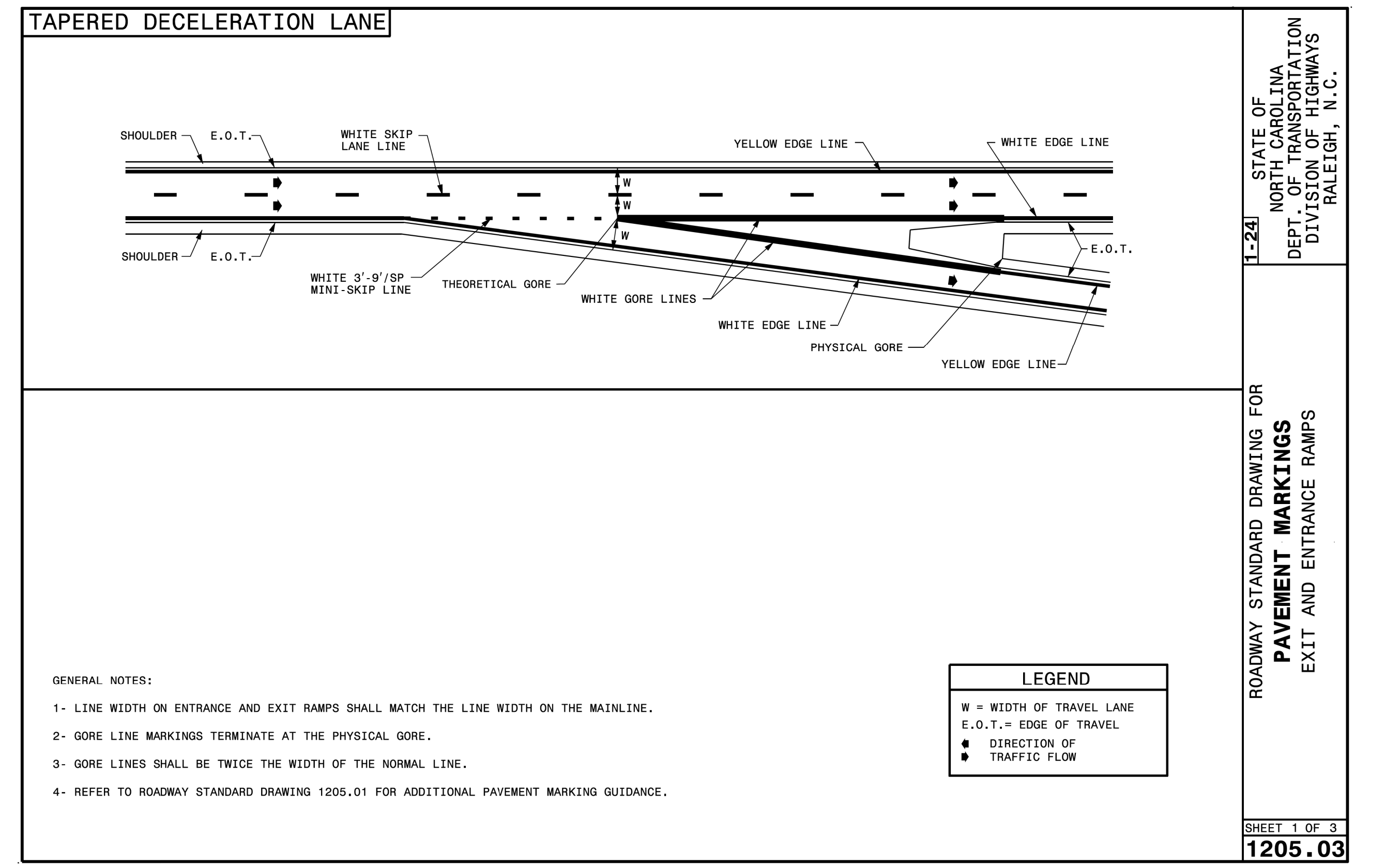
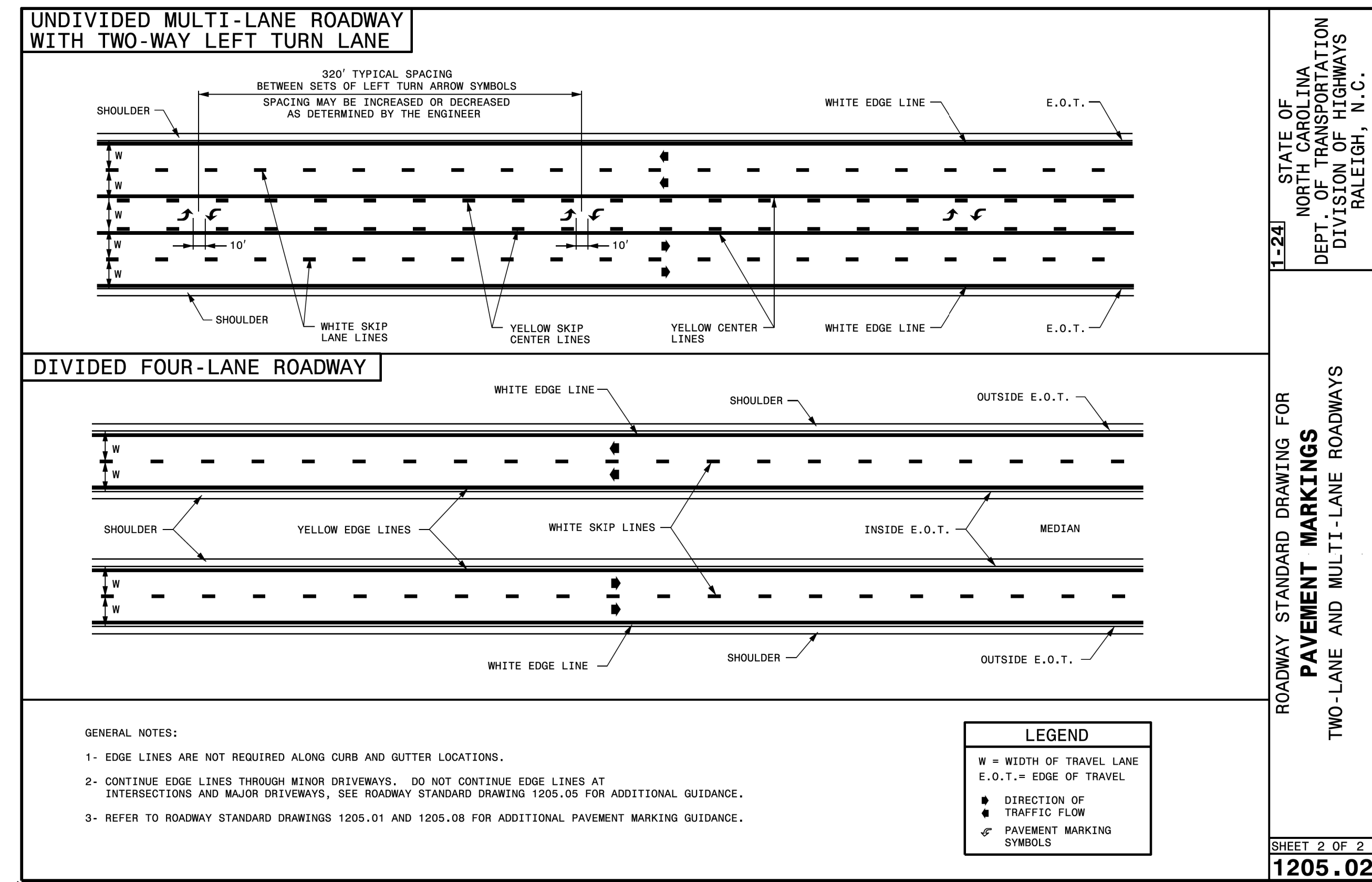
<p>CONTINUOUS LINES</p> <p>EDGE LINE YELLOW OR WHITE 4" / 6"</p> <p>LANE LINE WHITE 4" / 6"</p> <p>CENTER LINE YELLOW 4" / 6"</p> <p>GORE LINE WHITE 8" / 12"</p> <p>DIAGONAL LINE YELLOW OR WHITE 12" 45 MPH OR HIGHER 8" LESS THAN 45 MPH</p> <p>CROSSWALK LINE WHITE 8" TRANSVERSE 24" LONGITUDINAL</p> <p>RxR 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.</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.</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.</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.</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>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'</td> </tr> <tr> <td>20'</td> <td>6"</td> <td>9.5'</td> </tr> <tr> <td>21'</td> <td>8"</td> <td>10'</td> </tr> <tr> <td>22'</td> <td>10"</td> <td>10'</td> </tr> <tr> <td>23'</td> <td>10"</td> <td>10.5'</td> </tr> <tr> <td>24'</td> <td>1'</td> <td>11'</td> </tr> <tr> <td>26'</td> <td>2'</td> <td>11'</td> </tr> <tr> <td>28'</td> <td>2'</td> <td>12'</td> </tr> <tr> <td>30'</td> <td>3'</td> <td>12'</td> </tr> <tr> <td>32'</td> <td>4'</td> <td>12'</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'	20'	6"	9.5'	21'	8"	10'	22'	10"	10'	23'	10"	10.5'	24'	1'	11'	26'	2'	11'	28'	2'	12'	30'	3'	12'	32'	4'	12'
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<p>CENTER LINE OFFSET DETAIL</p> <p>13" / 13" / 6"</p>	<p>TWO-WAY UNDIVIDED ROADWAY</p> <p>SEE EDGE LINE OFFSET DETAIL SEE CENTER LINE OFFSET DETAIL</p>																																				
<p>LANE LINE OFFSET DETAIL</p> <p>2" TOWARDS LEFT SIDE OF TRAVELWAY</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>LEGEND</p> <p>W = WIDTH OF TRAVEL LANE E.O.T. = EDGE OF TRAVEL ● DIRECTION OF TRAFFIC FLOW</p>	<p>MULTI-LANE ROADWAY</p> <p>SEE EDGE LINE OFFSET DETAIL SEE LANE LINE OFFSET DETAIL</p>																																				
<p>ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS LINE TYPES AND OFFSETS</p> <p>SHEET 2 OF 2 1205.01</p>																																					

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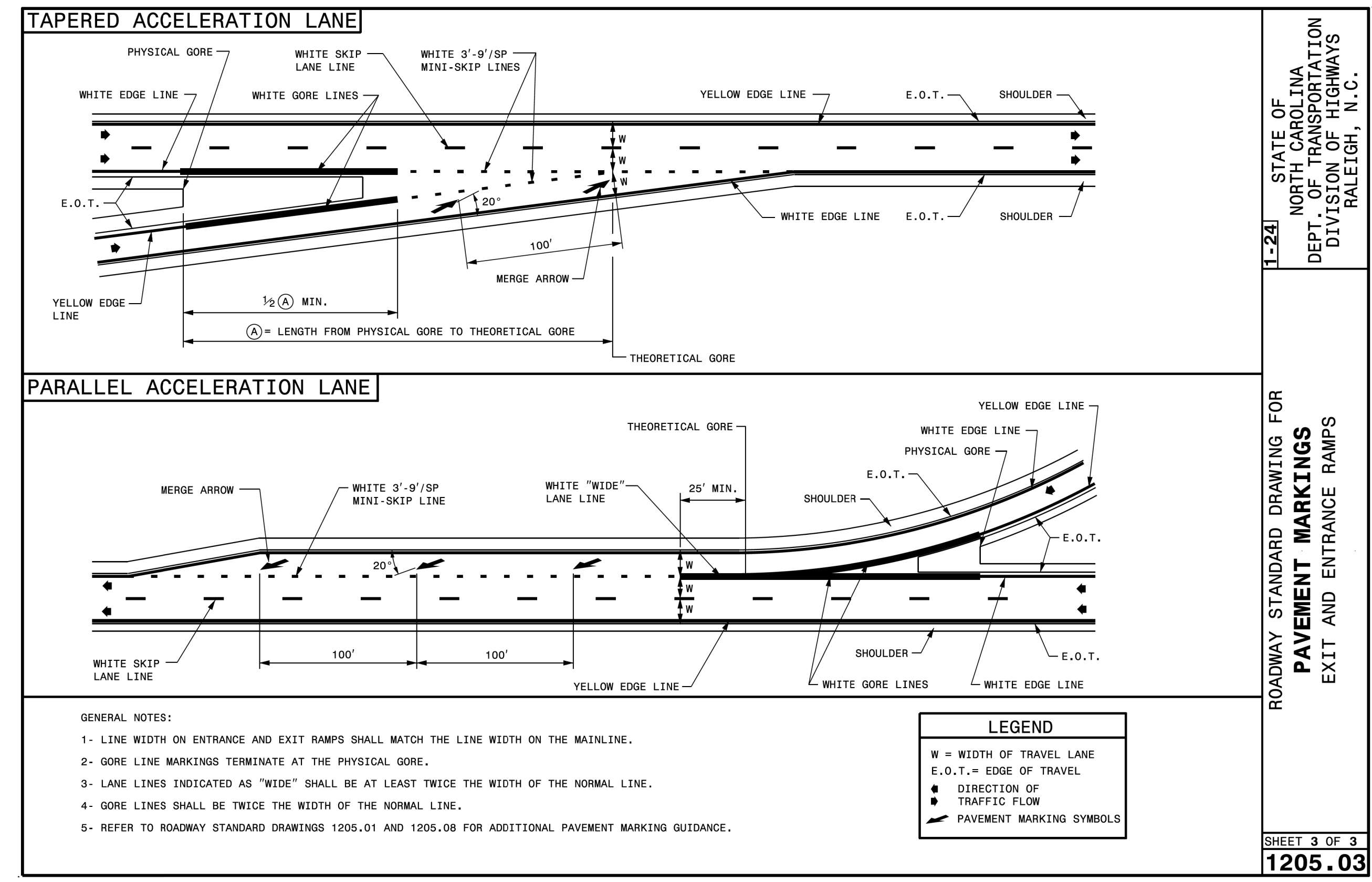
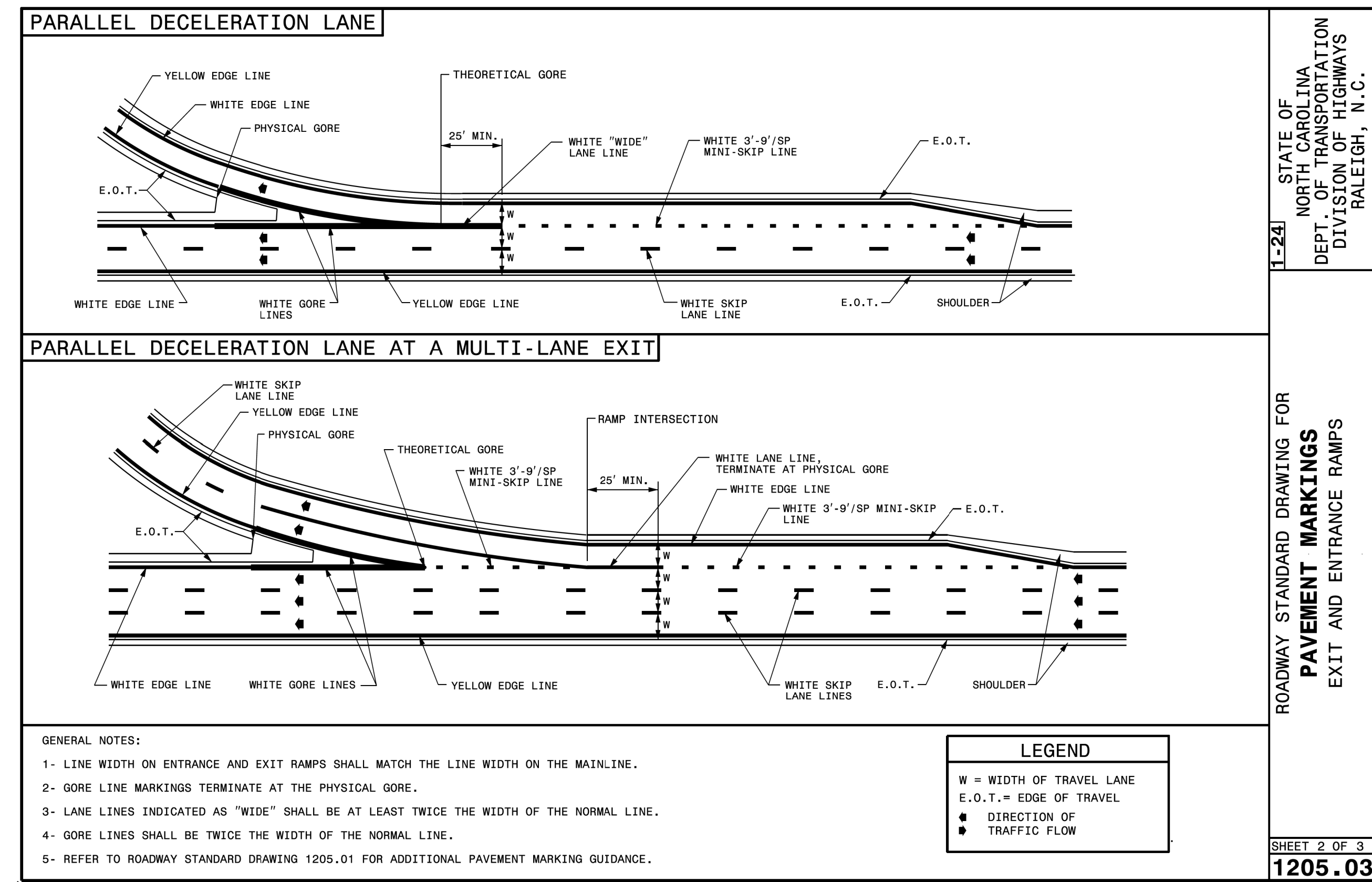


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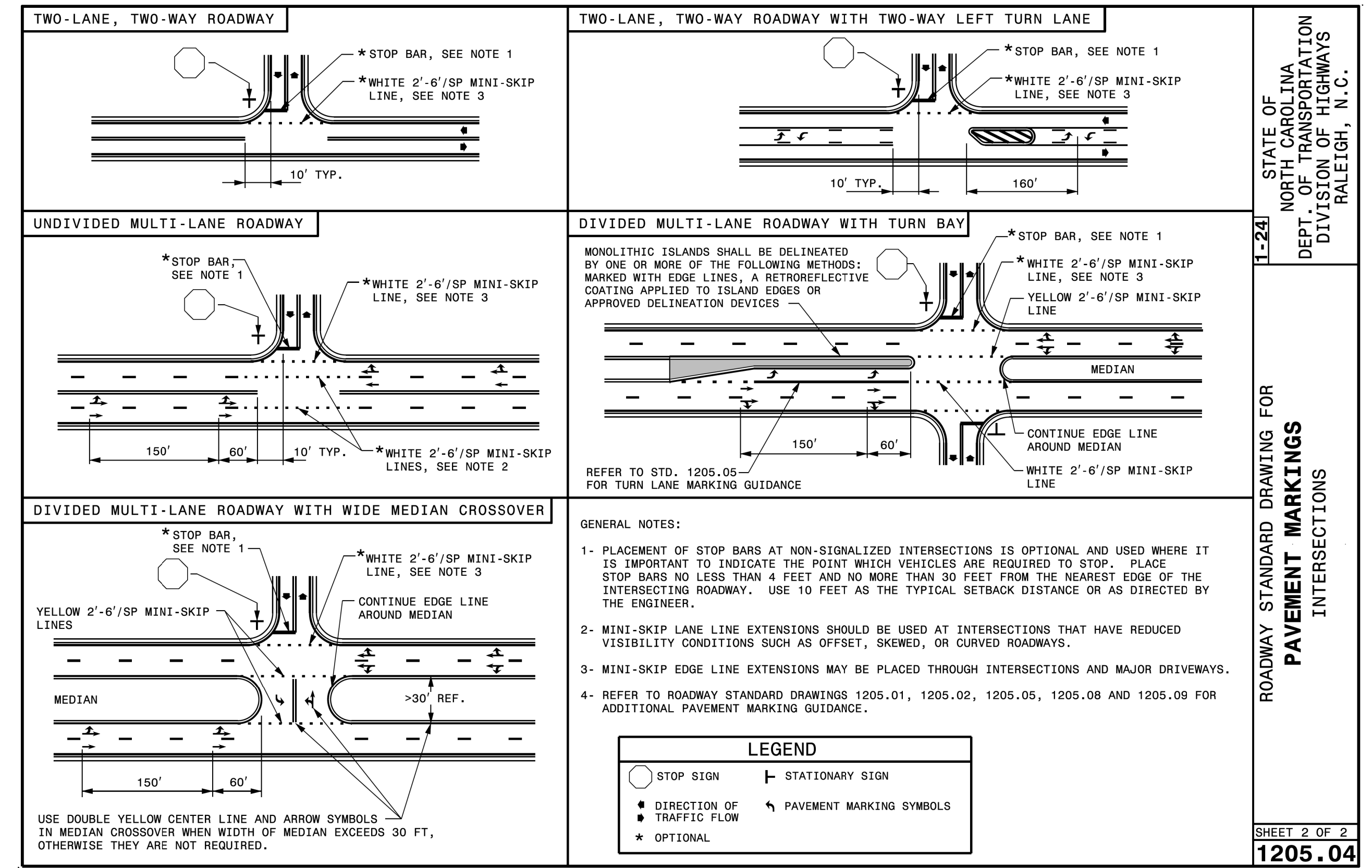
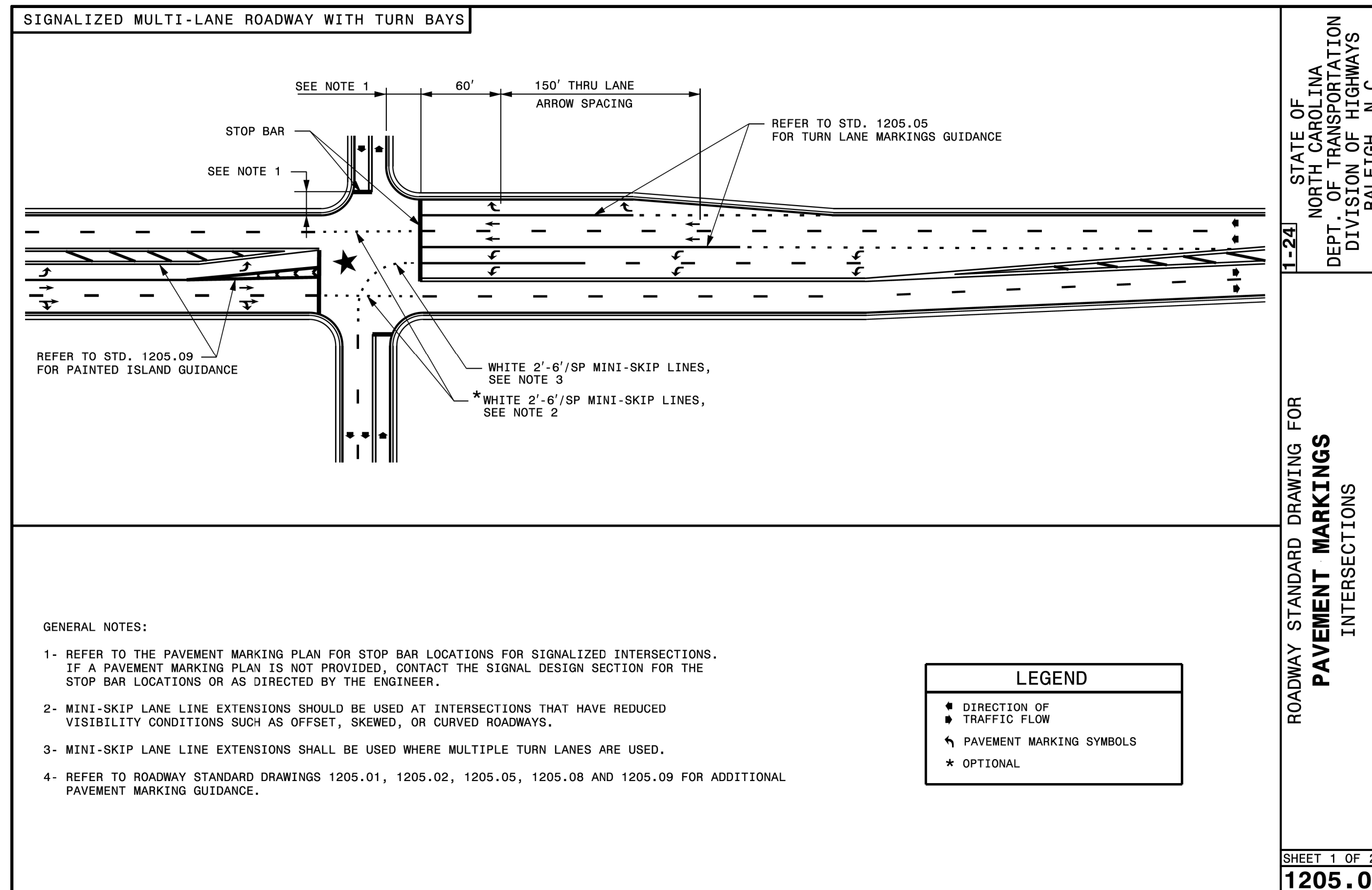


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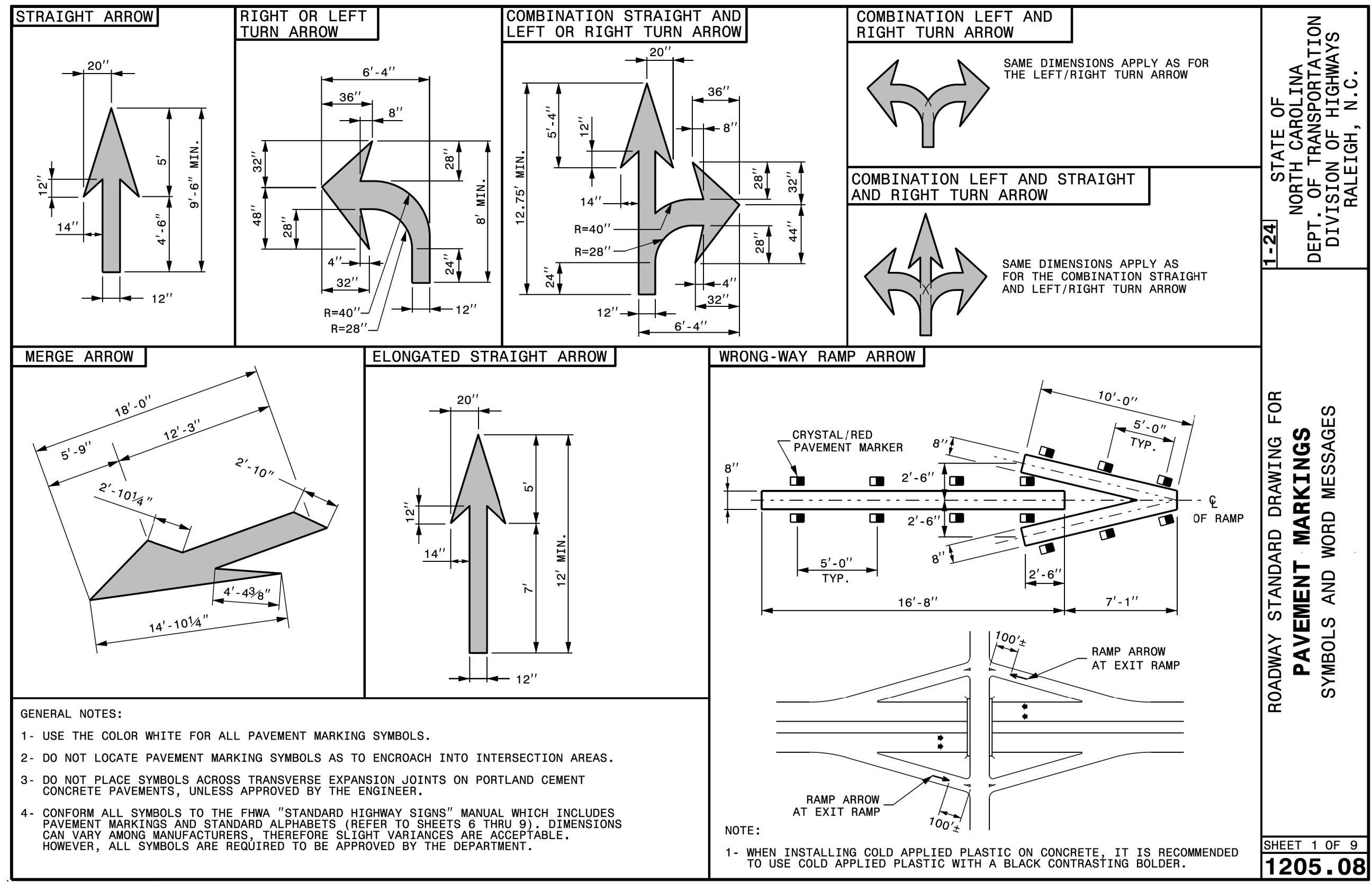
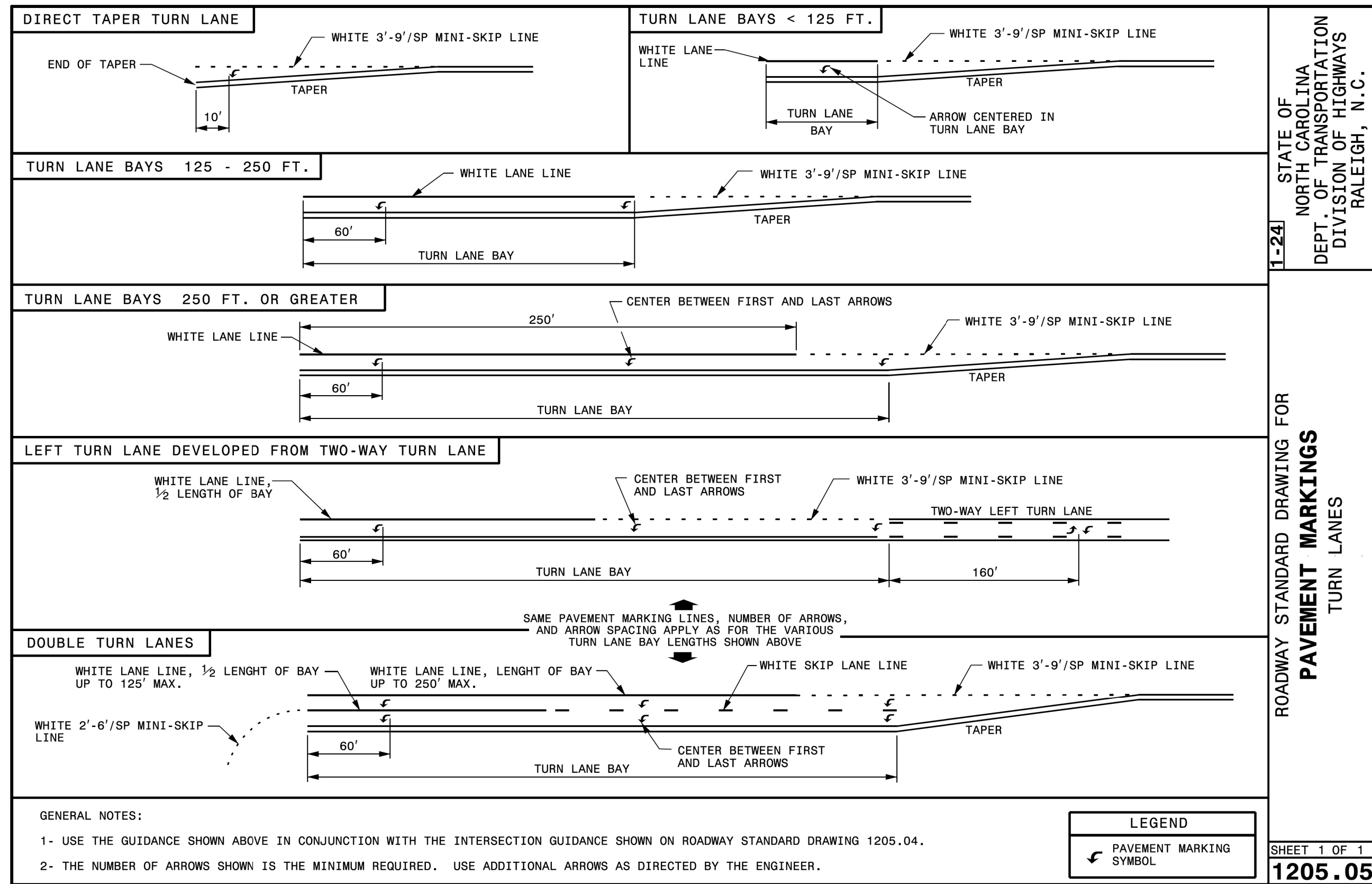




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<p>U-TURN ARROW LEFT</p>	<p>LEFT/U-TURN ARROW COMBINATION</p>	<p>ROUNDAABOUT FISH-HOOK ARROW TYPICAL</p> <p>USE TYPICAL TO LAYOUT SYMBOL CONFIGURATION NEEDED</p>	<p>1-24 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p>
<p>12" YIELD LINE</p> <p>USE ON LANES UNDER 12'</p>	<p>24" YIELD LINE</p> <p>USE ON LANES 12' AND ABOVE</p>	<p>GENERAL NOTES:</p> <ol style="list-style-type: none"> 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. 	<p>ENGLISH STANDARD DRAWING FOR PAVEMENT MARKINGS SYMBOLS AND WORD MESSAGES</p> <p>SHEET 2 OF 9 1205.08</p>

<p>STANDARD REDUCED CONFLICT INTERSECTION</p>	<p>1-24 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p>
<p>GENERAL NOTES:</p> <ol style="list-style-type: none"> 1- USE THE GUIDANCE SHOWN ABOVE IN CONJUNCTION WITH THE INTERSECTION GUIDANCE SHOWN ON ROADWAY STANDARD DRAWING 1205.04. 	<p>ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS REDUCED CONFLICT INTERSECTIONS</p> <p>SHEET 1 OF 2 1205.15</p>

LEGEND	
➔	DIRECTION OF TRAFFIC FLOW
➔	PAVEMENT MARKING SYMBOLS
*	OPTIONAL

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