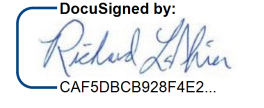

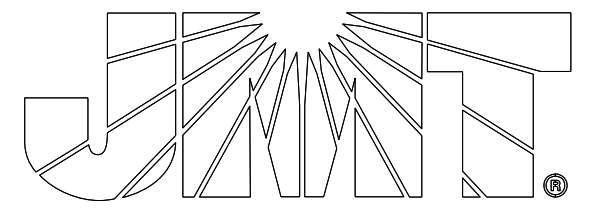


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PROJECT REFERENCE NO. HI-0015	SHEET NO. PMP-1
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PAVEMENT MARKING PLAN COLUMBUS COUNTY

LOCATION: US 74 (FUTURE I-74) FROM WEST OF NC 214
TO WEST OF WATER TANK ROAD (SR 1824)

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 MULTI-LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.15	PAVEMENT MARKINGS - REDUCED CONFLICT INTERSECTIONS
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- WB BRIDGE DECK	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

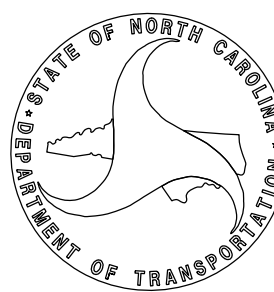
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4688000000-E	1205 THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	181,680	LF
4700000000-E	1205 THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	8,450	LF
4725000000-E	1205 THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	155	EA
4795000000-E	1205 COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 2 (24")	30	LF
4846000000-E	1205 POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)	750	LF
4905100000-N	1205 NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	1,683	EA

INDEX

SHEET NO.	DESCRIPTION
PMP-1	TITLE SHEET
PMP-2 - PMP-6	SELECT STANDARD DRAWING DETAILS

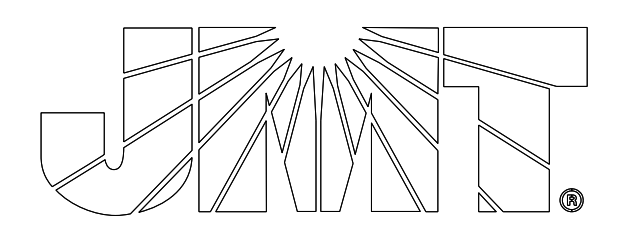
PLAN SUBMITTED TO: NCDOT SIGNING AND DELINEATION UNIT

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



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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</p> <p>UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES.</p>	<p>2'-6'/SP MINI-SKIP LINE</p> <p>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</p> <p>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</p> <p>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>			

EDGE LINE OFFSET DETAIL

2" MAX., REFER ALSO TO TABLE 1
E.O.T.

TABLE 1
EDGE LINE OFFSETS FOR 2-LANE, 2-WAY ROADWAYS WITH UN-PAVED SHOULDERS

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'

CENTER LINE OFFSET DETAIL

LANE LINE OFFSET DETAIL

2" TOWARDS LEFT SIDE OF TRAVELWAY

LEGEND

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

TWO-WAY UNDIVIDED ROADWAY

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

MULTI-LANE ROADWAY

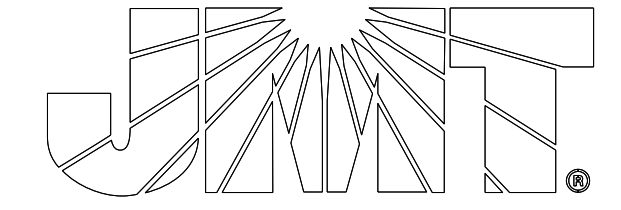
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

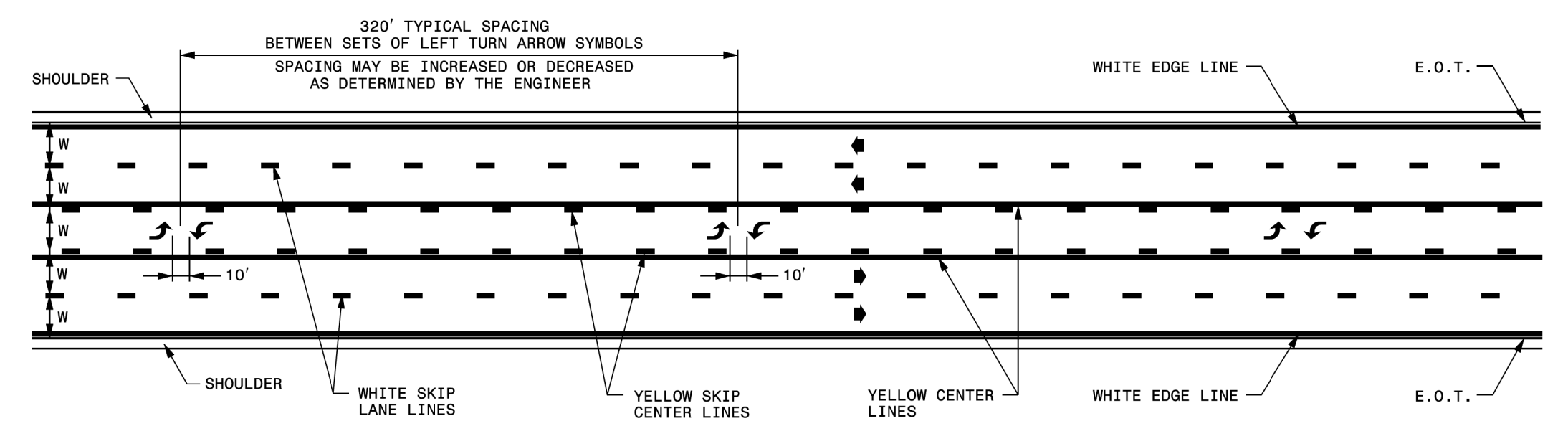
ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 2 OF 2
1205.01

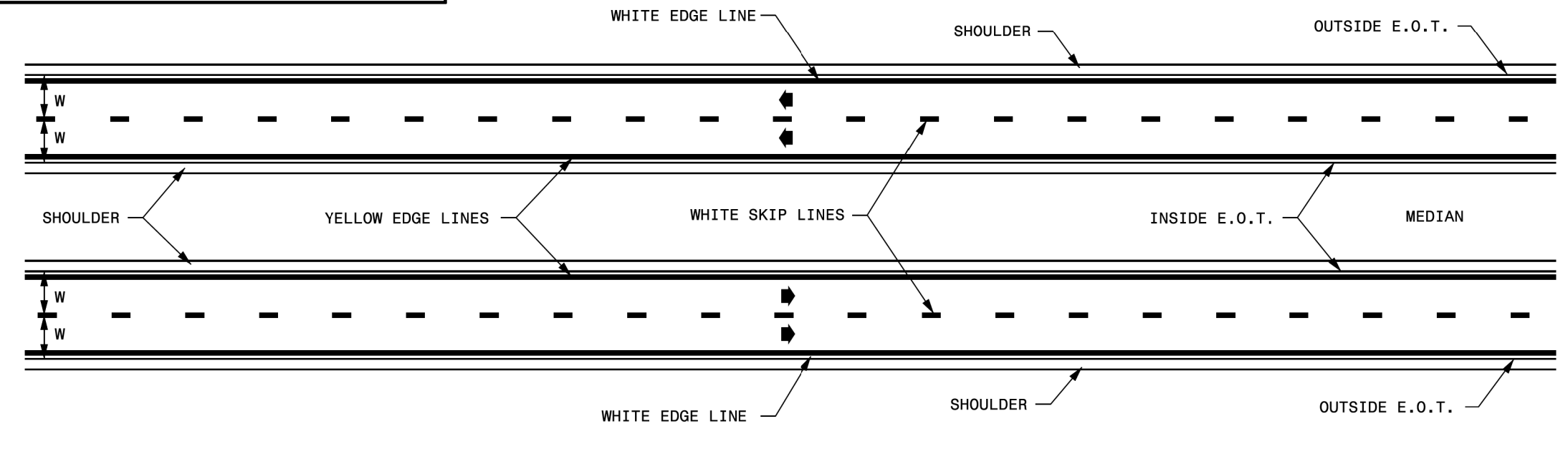
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UNDIVIDED MULTI-LANE ROADWAY WITH TWO-WAY LEFT TURN LANE



DIVIDED FOUR-LANE ROADWAY



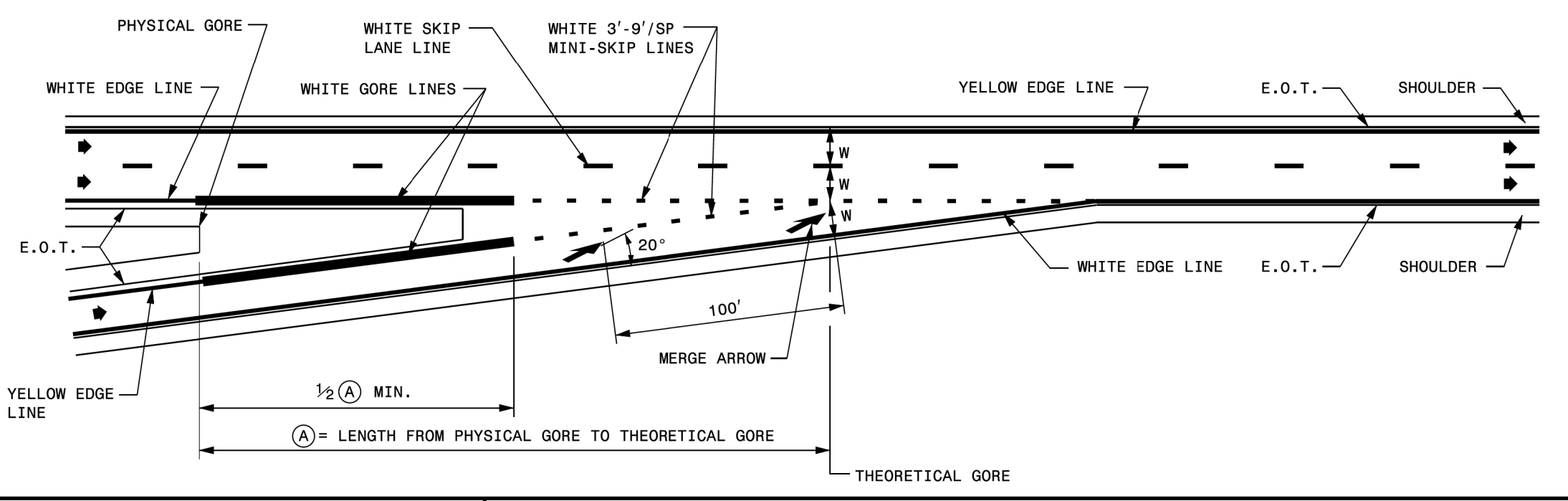
- GENERAL NOTES:**
- EDGE LINES ARE NOT REQUIRED ALONG CURB AND GUTTER LOCATIONS.
 - CONTINUE EDGE LINES THROUGH MINOR DRIVEWAYS. DO NOT CONTINUE EDGE LINES AT INTERSECTIONS AND MAJOR DRIVEWAYS, SEE ROADWAY STANDARD DRAWING 1205.05 FOR ADDITIONAL GUIDANCE.
 - REFER TO ROADWAY STANDARD DRAWINGS 1205.01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

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

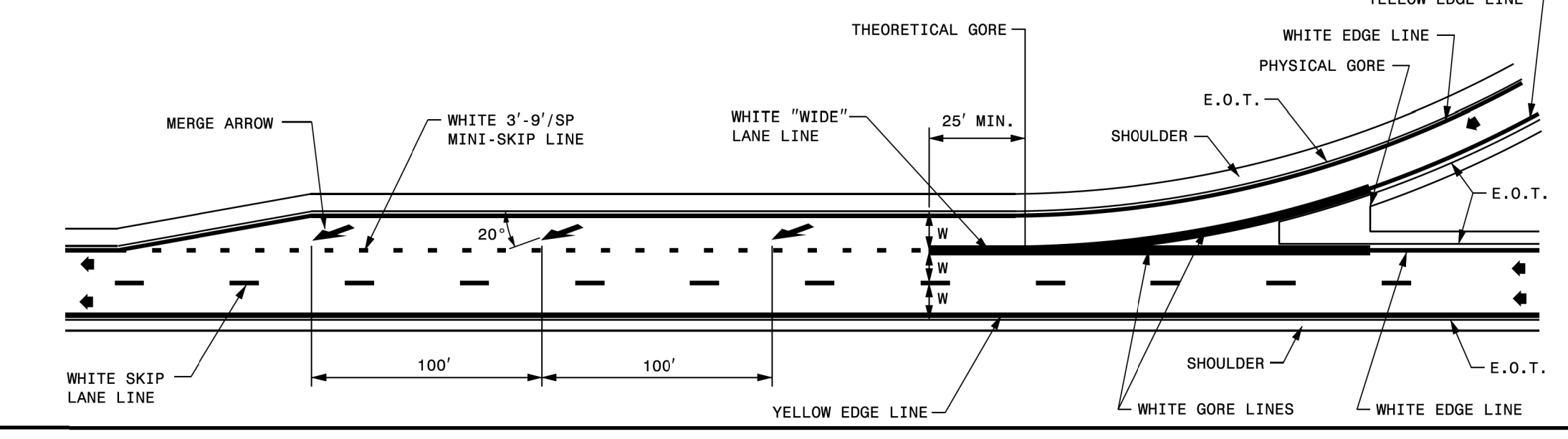
1-24 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS TWO-LANE AND MULTI-LANE ROADWAYS

SHEET 2 OF 2
1205.02

TAPERED ACCELERATION LANE



PARALLEL ACCELERATION LANE



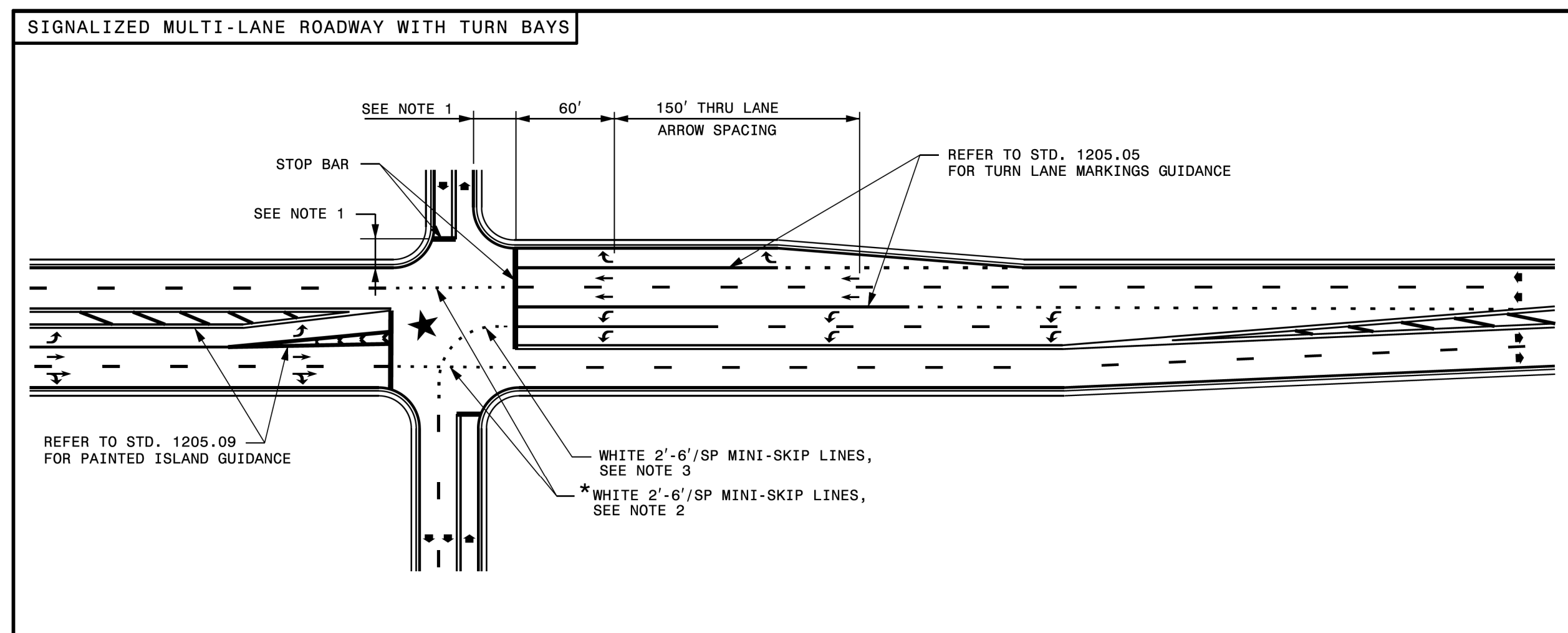
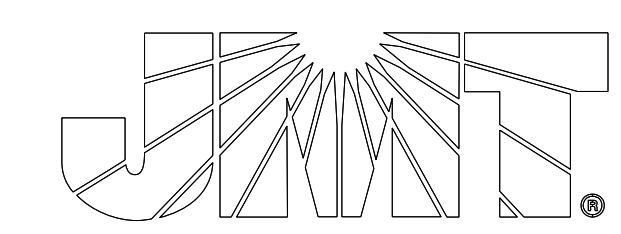
- GENERAL NOTES:**
- LINE WIDTH ON ENTRANCE AND EXIT RAMP SHALL MATCH THE LINE WIDTH ON THE MAINLINE.
 - GORE LINE MARKINGS TERMINATE AT THE PHYSICAL GORE.
 - LANE LINES INDICATED AS "WIDE" SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.
 - GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.
 - REFER TO ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.08 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

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

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 3 OF 3
1205.03

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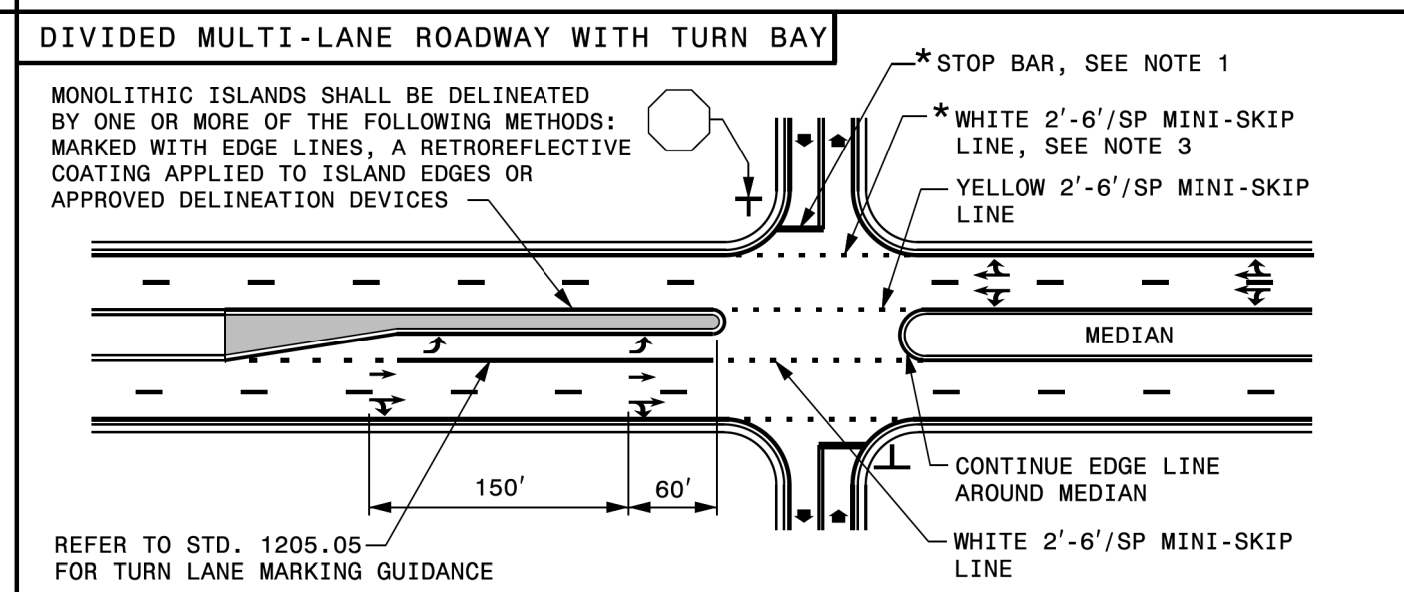
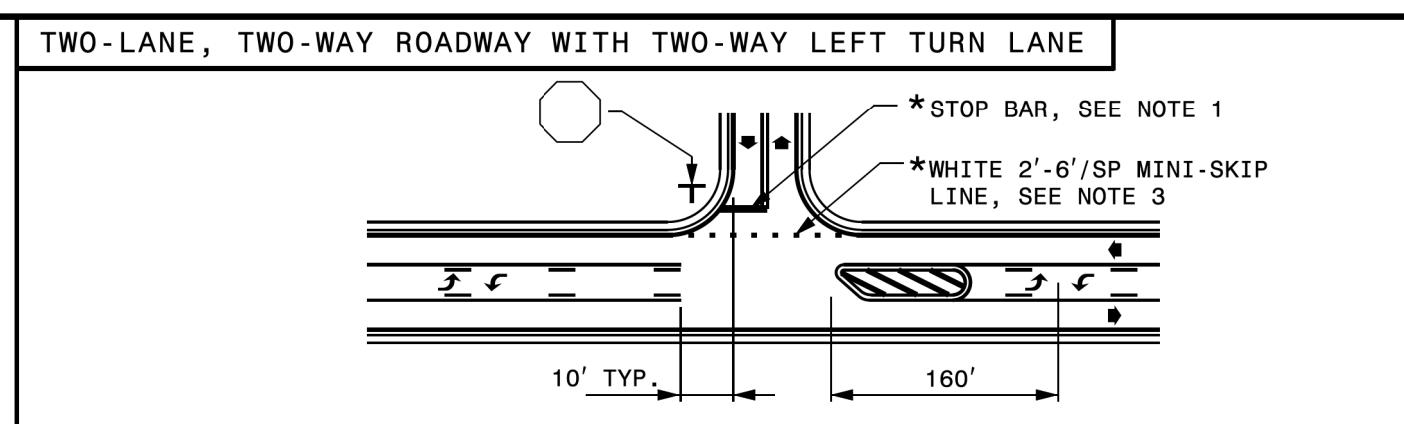
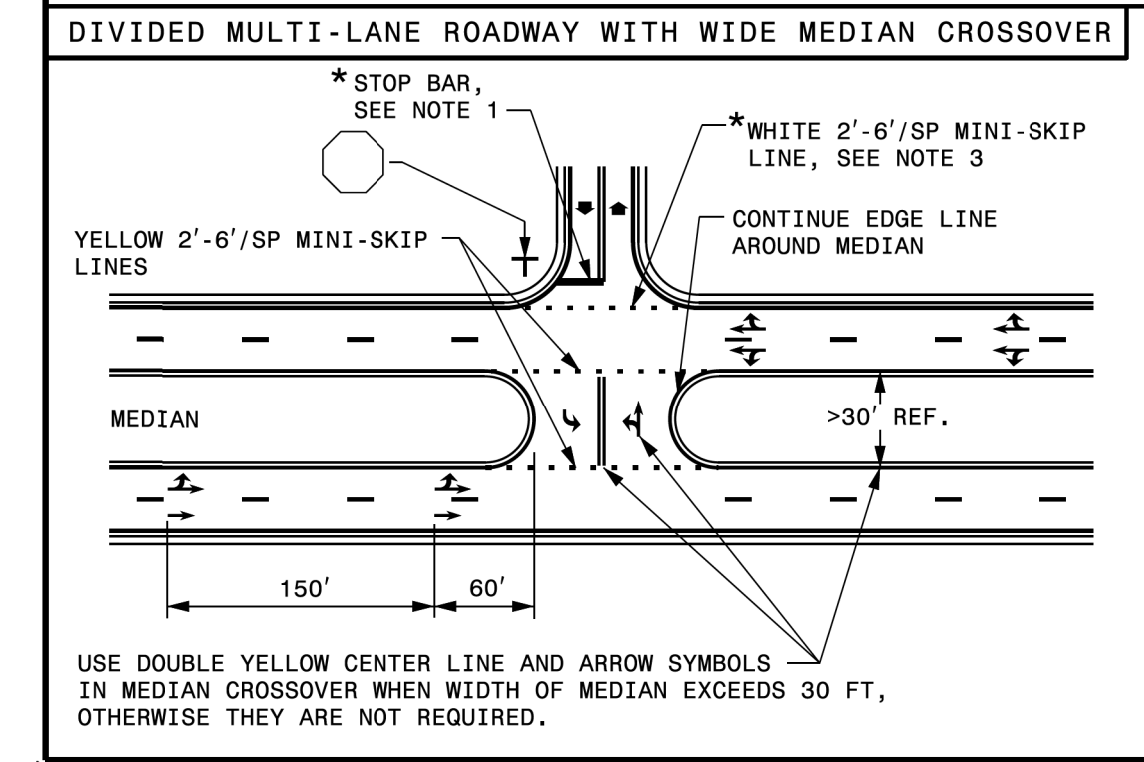
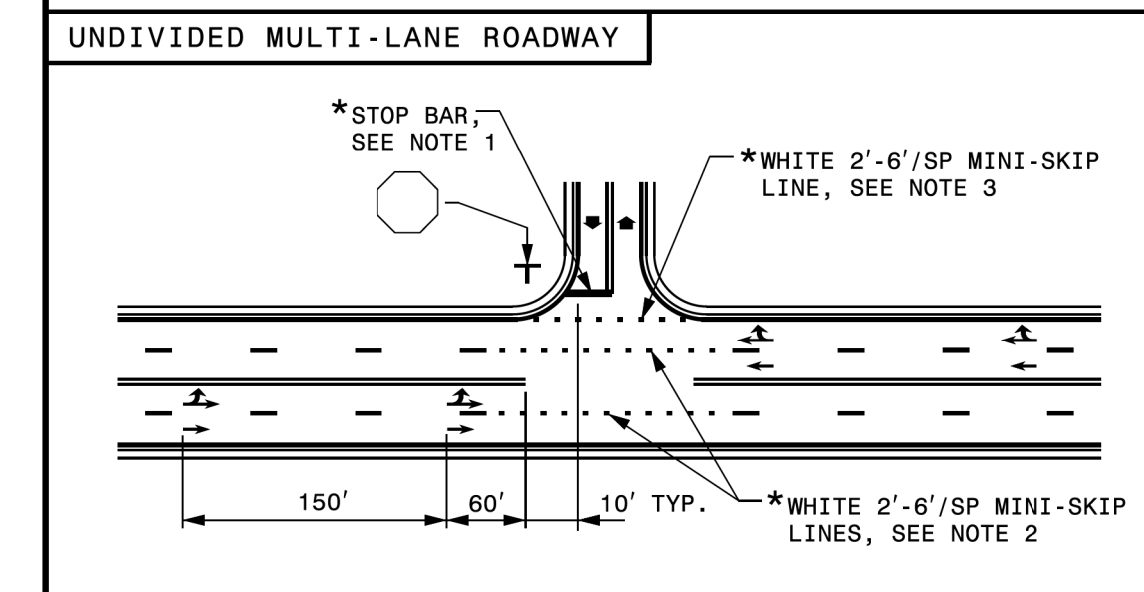
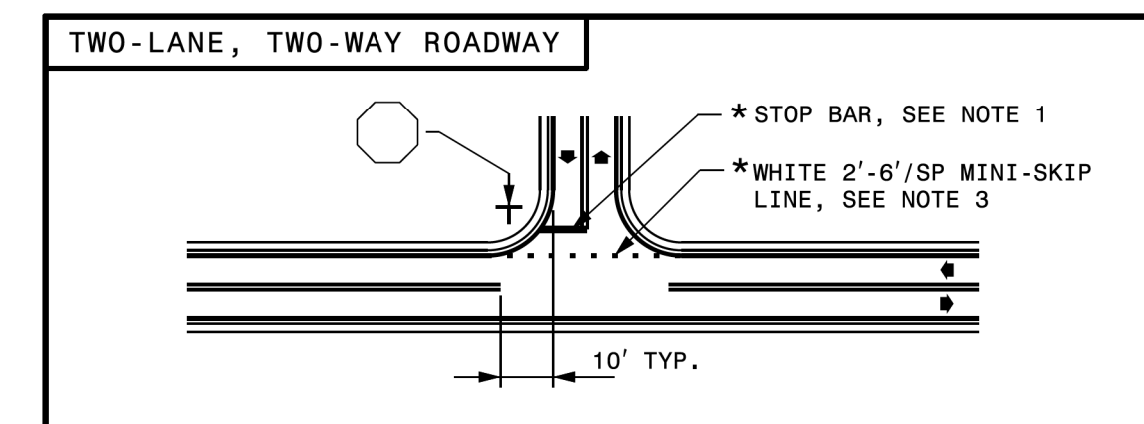


GENERAL NOTES:

- 1- REFER TO THE PAVEMENT MARKING PLAN FOR STOP BAR LOCATIONS FOR SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR AS DIRECTED BY THE ENGINEER.
- 2- MINI-SKIP LANE LINE EXTENSIONS SHOULD BE USED AT INTERSECTIONS THAT HAVE REDUCED VISIBILITY CONDITIONS SUCH AS OFFSET, SKEWED, OR CURVED ROADWAYS.
- 3- MINI-SKIP LANE LINE EXTENSIONS SHALL BE USED WHERE MULTIPLE TURN LANES ARE USED.
- 4- REFER TO ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.05, 1205.08 AND 1205.09 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

LEGEND	
◆	DIRECTION OF TRAFFIC FLOW
↔	PAVEMENT MARKING SYMBOLS
*	OPTIONAL

1-24 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS INTERSECTIONS
 SHEET 1 OF 2
1205.04

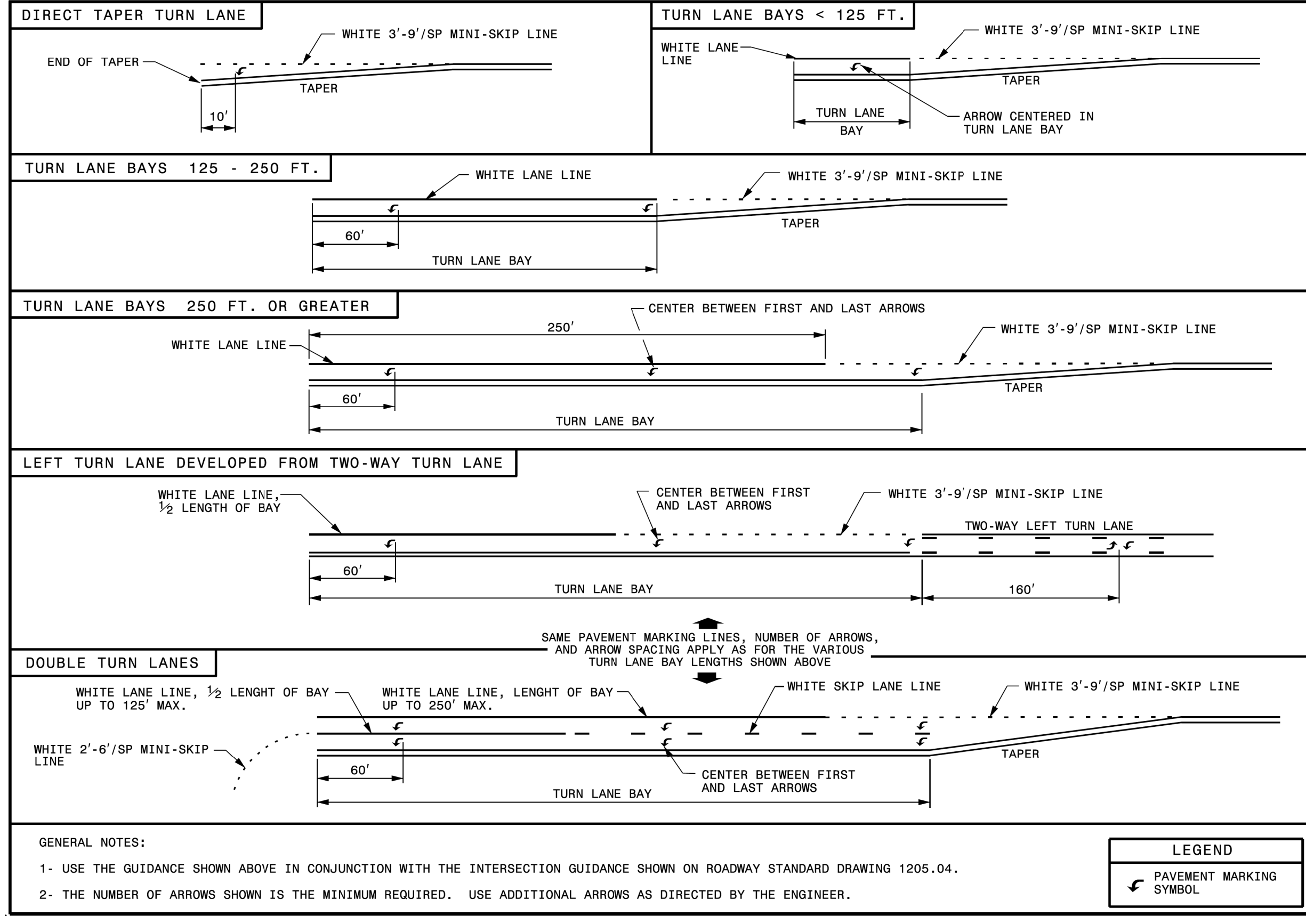
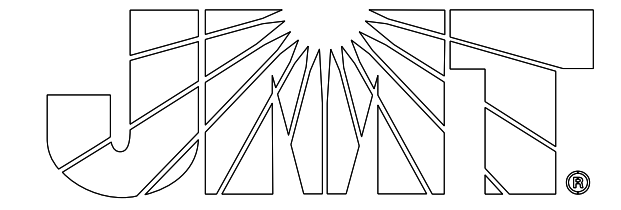


GENERAL NOTES:

- 1- PLACEMENT OF STOP BARS AT NON-SIGNALIZED INTERSECTIONS IS OPTIONAL AND USED WHERE IT IS IMPORTANT TO INDICATE THE POINT WHICH VEHICLES ARE REQUIRED TO STOP. PLACE STOP BARS NO LESS THAN 4 FEET AND NO MORE THAN 30 FEET FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY. USE 10 FEET AS THE TYPICAL SETBACK DISTANCE OR AS DIRECTED BY THE ENGINEER.
- 2- MINI-SKIP LANE LINE EXTENSIONS SHOULD BE USED AT INTERSECTIONS THAT HAVE REDUCED VISIBILITY CONDITIONS SUCH AS OFFSET, SKEWED, OR CURVED ROADWAYS.
- 3- MINI-SKIP EDGE LINE EXTENSIONS MAY BE PLACED THROUGH INTERSECTIONS AND MAJOR DRIVEWAYS.
- 4- REFER TO ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.05, 1205.08 AND 1205.09 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

LEGEND	
○	STOP SIGN
◆	DIRECTION OF TRAFFIC FLOW
↔	PAVEMENT MARKING SYMBOLS
*	OPTIONAL
⊥	STATIONARY SIGN

1-24 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS INTERSECTIONS
 SHEET 2 OF 2
1205.04

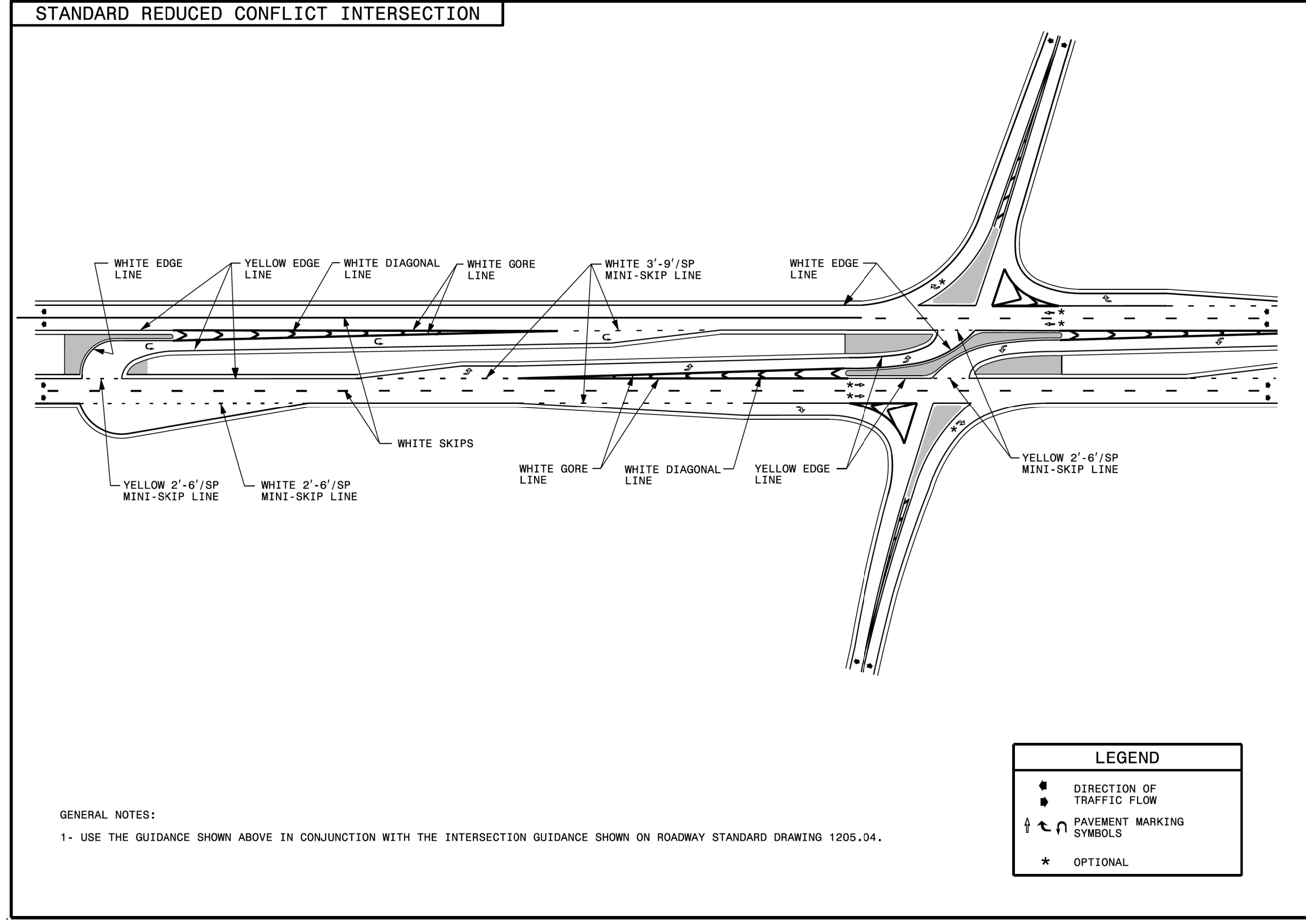


STATE OF NORTH CAROLINA
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ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
TURN LANES

SHEET 1 OF 1
1205.05



STATE OF NORTH CAROLINA
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ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
REDUCED CONFLICT INTERSECTIONS

SHEET 1 OF 2
1205.15

