
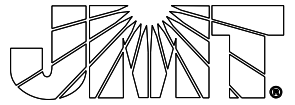


8/17/09

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PROJECT REFERENCE NO. <i>HI-0017</i>	SHEET NO. <i>PMP-1</i>
DocuSigned by: <i>Richard D. Laster</i> FAB1F1EB929945F... 10/11/2023	
	
	

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 2018 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
1253.01	RAISED PAVEMENT MARKERS - SNOWFLOWABLE

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	SNOWFLOWABLE
US 74-BRIDGE DECKS	POLYUREA	SNOWFLOWABLE
- 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
DESC. NO.	SECT. NO.			
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
4847096000-E	SP	POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)	4,630	LF
4905100000-N	1205	NON-CAST IRON SNOWFLOWABLE PAVEMENT MARKER	516	EA

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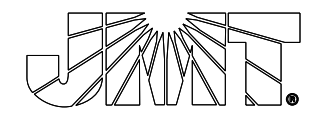
SHEET NO.	DESCRIPTION
PMP-1	TITLE SHEET
PMP-2 - PMP-7	SELECT STANDARD DRAWING DETAILS

PLAN SUBMITTED TO: NCDOT SIGNING AND DELINEATION UNIT

<u>MITCH EATON, PE</u>	SIGNING & DELINEATION REGIONAL ENGINEER
<u>STACEY JOHNS</u>	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 MINI-SKIPS USED FOR BICYCLE LANE LINES.</p>	<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</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 AND LINE EXTENSIONS THROUGH TAPERS.</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>ROADWAY STANDARD DRAWING FOR PAVEMENT MARKINGS LINE TYPES AND OFFSETS</p> <p>SHEET 1 OF 2 1205.01</p>

EDGE LINE OFFSET DETAIL

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

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

3" / 3" / 6"

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

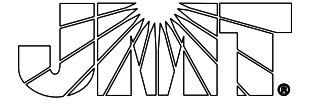
MULTI-LANE ROADWAY

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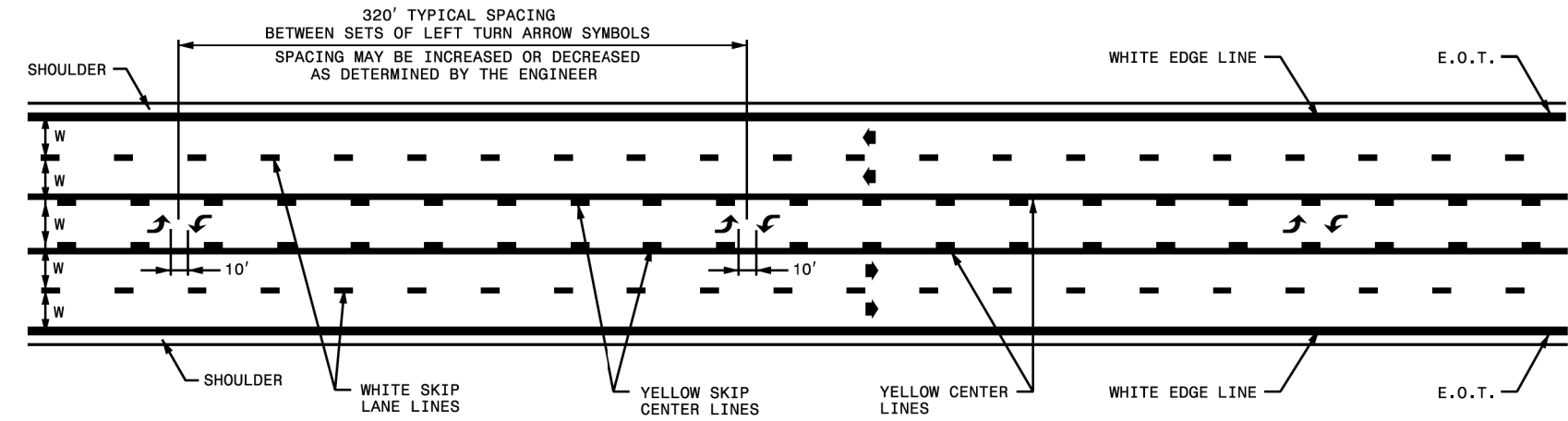
ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 2 OF 2
1205.01

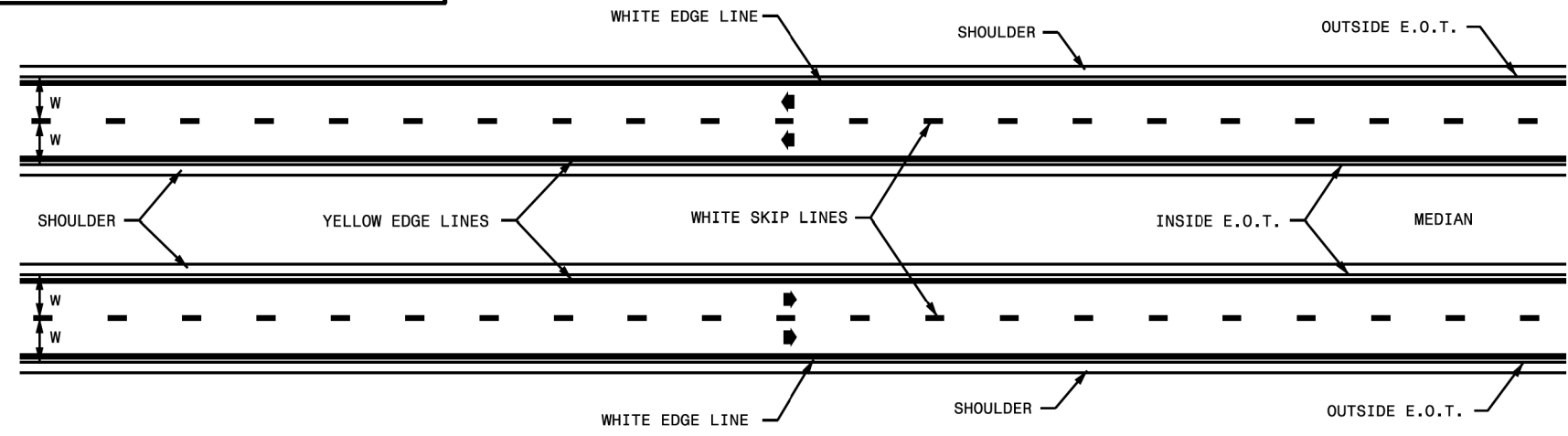
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UNDIVIDED MULTI-LANE ROADWAY WITH TWO-WAY LEFT TURN LANE



DIVIDED FOUR-LANE ROADWAY



GENERAL NOTES:

- 1- EDGE LINES ARE NOT REQUIRED ALONG CURB AND GUTTER LOCATIONS.
- 2- 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.
- 3- REFER TO ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.08 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

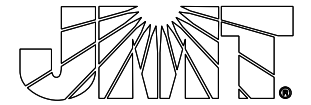
LEGEND	
W	WIDTH OF TRAVEL LANE
E.O.T.	EDGE OF TRAVEL
➔	DIRECTION OF TRAFFIC FLOW
↶	PAVEMENT MARKING SYMBOLS

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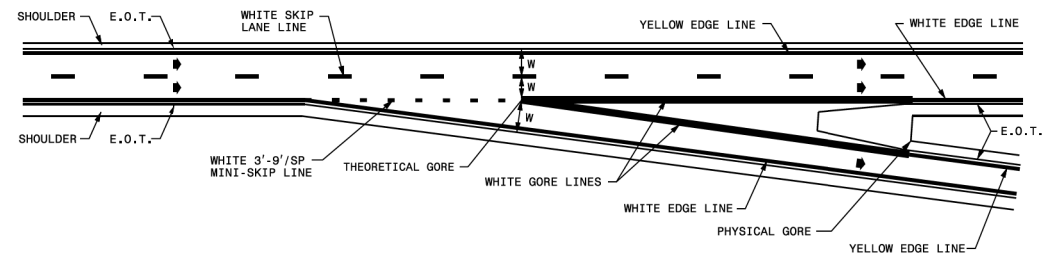
ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
 TWO-LANE AND MULTI-LANE ROADWAYS

SHEET 2 OF 2
1205.02

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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.

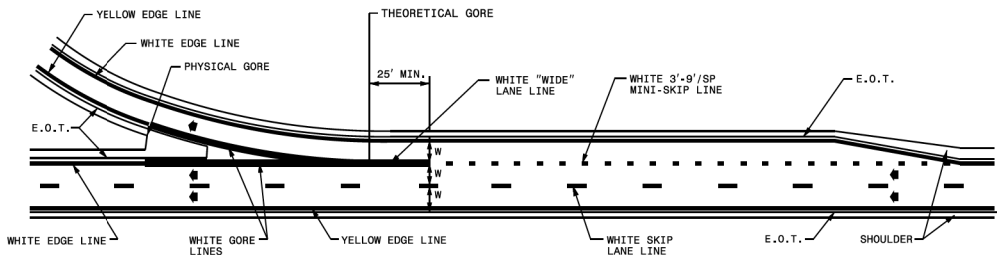
LEGEND	
W	= WIDTH OF TRAVEL LANE
E.O.T.	= EDGE OF TRAVEL
◆	DIRECTION OF TRAFFIC FLOW

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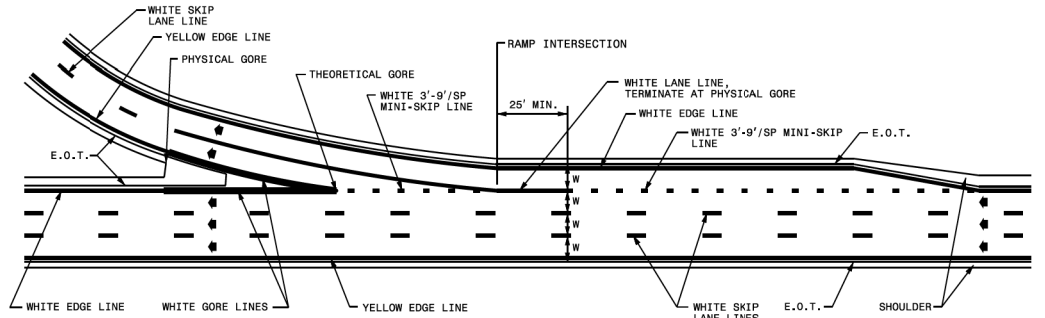
ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
EXIT AND ENTRANCE RAMP

SHEET 1 OF 3
1205.03

PARALLEL DECELERATION LANE



PARALLEL DECELERATION LANE AT A MULTI-LANE EXIT



GENERAL NOTES:

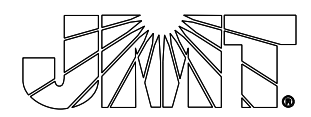
- 1- LINE WIDTH ON ENTRANCE AND EXIT RAMP SHALL MATCH THE LINE WIDTH ON THE MAINLINE.
- 2- GORE LINE MARKINGS TERMINATE AT THE PHYSICAL GORE.
- 3- LANE LINES INDICATED AS "WIDE" SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.
- 4- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.
- 5- REFER 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

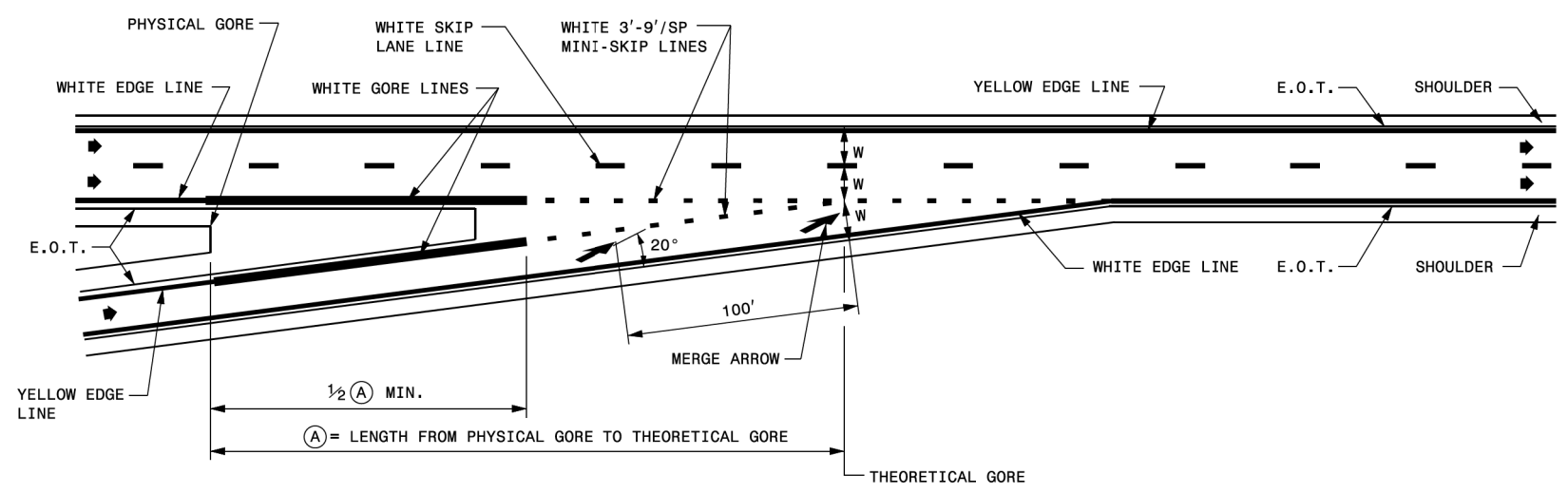
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ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
EXIT AND ENTRANCE RAMP

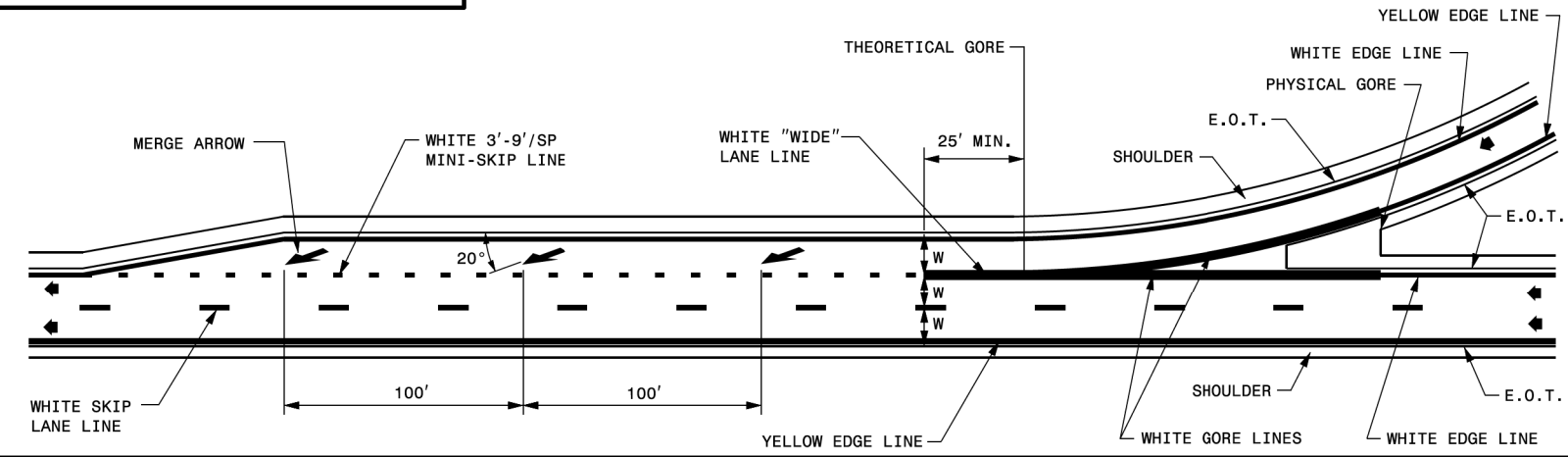
SHEET 2 OF 3
1205.03



TAPERED ACCELERATION LANE



PARALLEL ACCELERATION 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- LANE LINES INDICATED AS "WIDE" SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.
- 4- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.
- 5- REFER TO ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.08 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

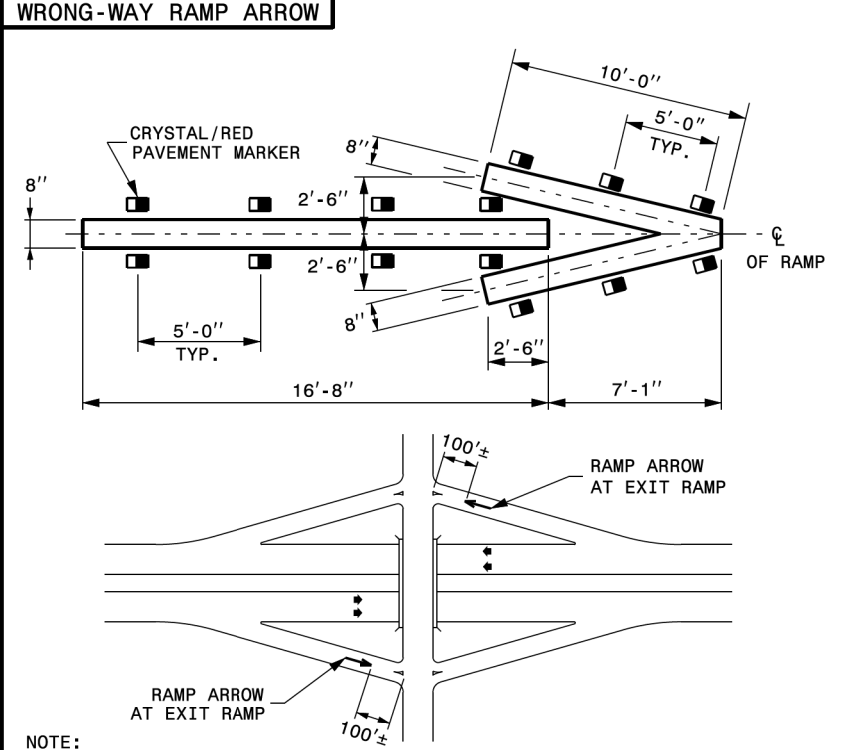
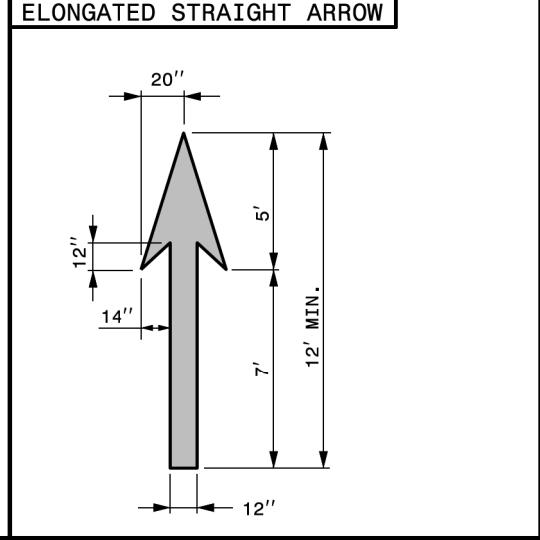
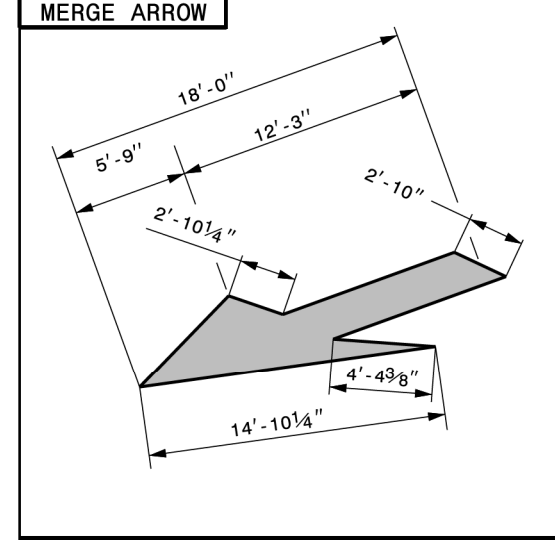
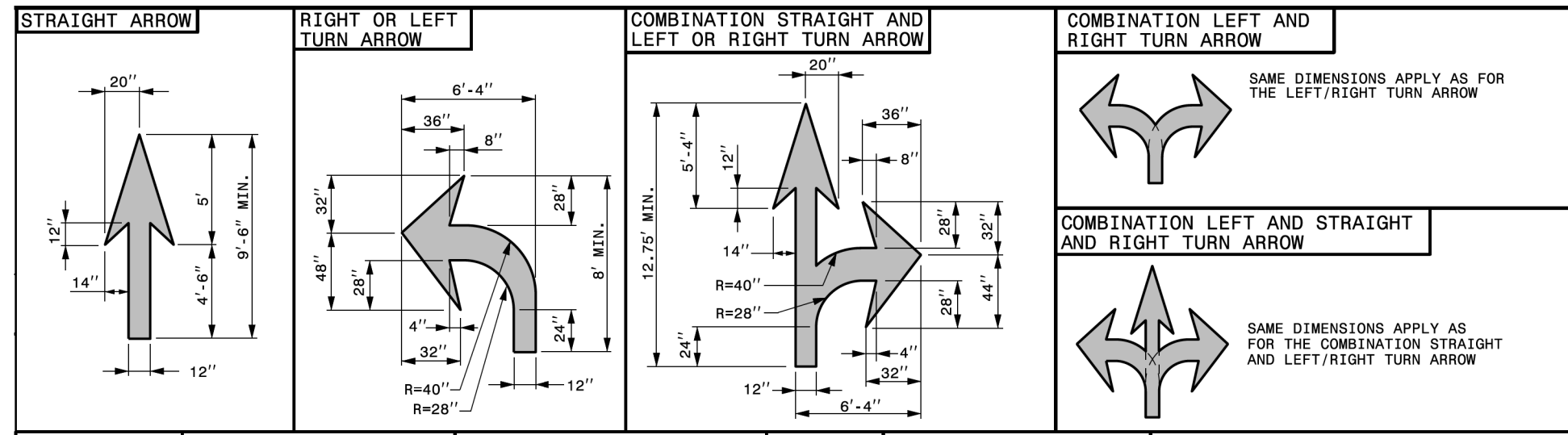
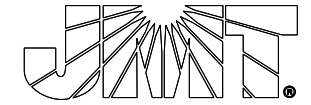
LEGEND	
W	= WIDTH OF TRAVEL LANE
E.O.T.	= EDGE OF TRAVEL
▬	DIRECTION OF TRAFFIC FLOW
▬	PAVEMENT MARKING SYMBOLS

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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 ENCRANCH 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 BORDER.

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ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

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1205.08

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