

## GENERAL NOTES

### 1. MINIMUM LONGITUDINAL PAVEMENT MARKING WIDTH

Facility Type	Speed	Edge Lines	Lane Lines	Center Lines <sup>1</sup>	Dotted Lane Lines	Lane Drop/Aux Lines
2-Lane Facilities	All	6"	n/a	4"	n/a	n/a
3-Lane Facilities	All	6"	6"	4"	6"	8"
Multi-Lane Facilities $\geq 50$ MPH		6"	6"	4"	6"	8"
Multi-Lane Facilities $\leq 45$ MPH		4"	4"	4"	4"	8"

<sup>1</sup>Applies to facility types with double yellow lines, painted median, or undivided highway.

### 2. TEMPORARY PAVEMENT MARKING

4 INCHES WIDE MARKING CAN BE USED INSTEAD OF 6 INCHES WIDE MARKING FOR TEMPORARY MARKING UNLESS OTHERWISE DIRECTED BY THE REGION TRAFFIC ENGINEER.

### 3. CENTER LINES

- BROKEN YELLOW, 4 INCHES WIDE-10 FEET SEGMENTS WITH 30 FEET GAPS.
- SOLID YELLOW, 4 INCHES WIDE. THESE LINES SEPARATE ADJACENT-OPPOSITE DIRECTION TRAFFIC LANES. DOUBLE LINES SHALL BE SPACED 4 INCHES APART.

### 4. LANE LINES

- BROKEN WHITE, 4 OR 6 INCHES WIDE-10 FEET SEGMENTS WITH 30 FEET GAPS. THESE LINES SEPARATE ADJACENT-SAME DIRECTION TRAFFIC LANES.
- SOLID WHITE, 4 OR 6 INCHES WIDE. THESE LINES SEPARATE ADJACENT-SAME DIRECTION TRAFFIC LANES. A SOLID LINE MAY BE USED TO DISCOURAGE LANE CHANGING, WHILE TWO PARALLEL SOLID WHITE LINES ARE REQUIRED TO PROHIBIT LANE CHANGING.

### 5. EDGE LINES

- SOLID WHITE OR YELLOW EDGE LINES SHALL BE 4 OR 6 INCHES WIDE. YELLOW EDGE LINES SHALL BE USED ONLY FOR LEFT EDGE, IN THE DIRECTION OF TRAVEL OF DIVIDED STREETS AND HIGHWAYS (SEPARATED BY OTHER THAN A PAINTED MEDIAN) AND ONE-WAY ROADWAYS (INCLUDING RAMP).
- EDGE LINES ARE NOT CONTINUED THROUGH INTERSECTIONS AND ARE NOT BROKEN FOR DRIVEWAYS. CARE MUST BE TAKEN TO AVOID EDGE LINE APPEARING AS LANE LINE ALONG ROADWAYS WITH WIDE SHOULDERS AND/OR CLOSELY SPACED DRIVEWAYS.

### 6. DOTTED EXTENSION LINES

BROKEN WHITE, WIDTH MATCHING THE LINE BEING EXTENDED-2 FEET SEGMENTS WITH 4 FEET GAPS. THESE LINES ARE USED TO DELINEATE THE EXTENSION OF A LINE THROUGH AN INTERSECTION OR INTERCHANGE AREA.

### 7. LANE DROP / AUX LINES

BROKEN WHITE, 8 INCHES WIDE-3 FEET SEGMENTS WITH 12 FEET GAPS. THESE LINES SHOULD BEGIN 2600 FEET IN ADVANCE OF THE THEORETICAL GOREPOINT TO DISTINGUISH THE LANE DROP FROM A CONTINUOUS LANE.

### 8. DOTTED LANE LINES

BROKEN WHITE, 4 OR 6 INCHES WIDE-3 FEET SEGMENTS WITH 12 FEET GAPS. LINE WIDTH SHALL MATCH THE ADJACENT LANE LINE. THE WIDTH SHOULD MATCH THAT OF THE LINE IT IS EXTENDING.

### 9. CHANNELIZING LINES

SOLID WHITE, 8 INCHES WIDE. THESE LINES ARE USED WITH ACCELERATION-DECELERATION LANES, PAVEMENT WIDTH TRANSITIONS, AND LEFT-RIGHT TURN SLOTS OR ISLANDS.

\* THE CHANNELIZING LINE MAY BE EXTENDED 300 FEET (TYPICAL) UPSTREAM FROM THE THEORETICAL GORE. FINAL LENGTH DEPENDS ON SITE CONDITIONS.

(CONTINUED ON SHEET NO. 2)

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Date:	Comments
R-4 04/14/23	UPDATED NUMBER OF PAGES
R-3 07/22/22	PARALLEL DECEL LANE AND NOTES UPDATE
R-2 02/16/21	LINE TYPE UPDATE FOR PARALLEL DECEL LANE ADDED NOTE TEMPORARY PAVEMENT MARKING
R-1 04/17/20	LINE WIDTH UPDATE

Colorado Department of Transportation	
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PAVEMENT MARKINGS	
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STANDARD PLAN NO.
S-627-1
Standard Sheet No. 1 of 11
Project Sheet Number:

GENERAL NOTES

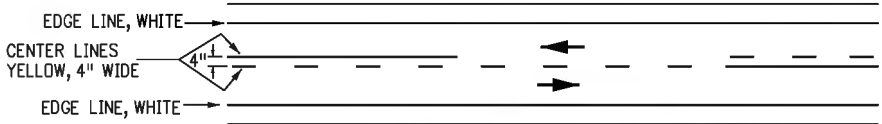
(CONTINUED FROM SHEET NO. 1)

10. CROSS-HATCHING LINES  
a. SOLID WHITE OR YELLOW, 8 INCHES WIDE-45 DEGREE DIAGONAL, SPACED AT 25 FEET INTERVALS. THESE LINES ARE OPTIONAL AND MAY BE PLACED AT LOCATIONS INDICATED ON THE PLANS OR DETERMINED BY THE ENGINEER. YELLOW SHALL BE USED FOR PAINTED MEDIANS OR PAVEMENT WIDTH TRANSITIONS ONLY.
- b. OPTIONAL DIAGONAL SHOULDER MARKINGS SHALL BE SOLID WHITE, 8 INCHES WIDE, SPACED AT INTERVALS OF 20 FEET MINIMUM TO 100 FEET MAXIMUM.
11. PARKING LINES  
SOLID WHITE, 3 INCHES WIDE-DIAGONAL OR PARALLEL AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
12. STOP LINES  
SOLID WHITE, 24 INCHES WIDE-EXTEND PARALLEL TO INTERSECTED ROADWAY ACROSS ALL APPROACH LANES OR AS INDICATED AT LOCATIONS ON THE PLANS. LOCATE AT THE DESIRED STOPPING POINT, NOT MORE THAN 30 FEET, NOR LESS THAN 4 FEET FROM THE NEAREST EDGE OF THE INTERSECTED TRAFFIC LANE.
13. YIELD LINES  
a. SOLID WHITE, THE INDIVIDUAL TRIANGLES COMPRISING YIELD LINES SHALL HAVE A BASE OF 12 TO 24 INCHES WIDE AND A HEIGHT EQUAL TO 1.5 TIMES THE BASE AND SHALL BE PARALLEL TO THE INTERSECTED ROADWAY ACROSS ALL APPROACH LANES OR AS INDICATED AT LOCATIONS ON THE PLANS.
- b. THE SPACE BETWEEN EACH TRIANGLE SHALL BE 3 TO 12 INCHES.
14. CROSSWALK LINES  
a. SOLID WHITE, 12 INCHES WIDE FOR TRANSVERSE LINE TYPE. EXTEND ACROSS ENTIRE WIDTH OF PAVEMENT. IF NO ADVANCE STOP LINE IS PROVIDED, INCREASE THE WIDTH OF THE CROSSWALK LINES TO 24 INCHES. THE DISTANCE BETWEEN THE LINES IS USUALLY DETERMINED BY THE WIDTH OF THE SIDEWALKS CONNECTED. IN ANY CASE THIS SHALL NOT BE LESS THAN 6 FEET.
- b. COMPLICATED AND/OR CHANNELIZED INTERSECTIONS AND MID-BLOCK CROSSWALKS SHALL BE SOLID WHITE, 12 INCHES TO 24 INCHES WIDE AND 8 TO 10 FEET LONG FOR LONGITUDINAL LINE TYPE AS DETAILED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
15. WORD, ARROW AND SYMBOL MARKINGS  
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH "THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION.
16. MERGING TAPER LENGTH  
L = MINIMUM LENGTH OF TAPER.  
S = DESIGN SPEED FOR NEW CONSTRUCTION OR NUMERICAL VALUE OF THE POSTED SPEED LIMIT OF THE 85TH PERCENTILE SPEED OF EXISTING TRAFFIC.  
W = WIDTH TRANSITIONED.
- FORMULA: FOR SPEED 45 MPH OR MORE,  $L = S \times W$   
FOR SPEED 40 MPH OR LESS,  $L = \frac{WS^2}{60}$
17. TRANSITION LINES  
SOLID YELLOW, 8 INCHES WIDE. THESE LINES ARE USED WHERE ADDITIONAL EMPHASIS OR VISIBILITY IS DESIRABLE AT PAVEMENT WIDTH TRANSITIONS. PLACE AT LOCATIONS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
18. SPEED MEASURING MARKING  
SOLID WHITE, 24 INCHES EXTEND 4 FEET FROM OUTSIDE OF EDGE LINES ON SHOULDERS.
19. ALL SPACING IS DETERMINED CENTER ON CENTER EXCEPT FOR DOUBLE LINES.

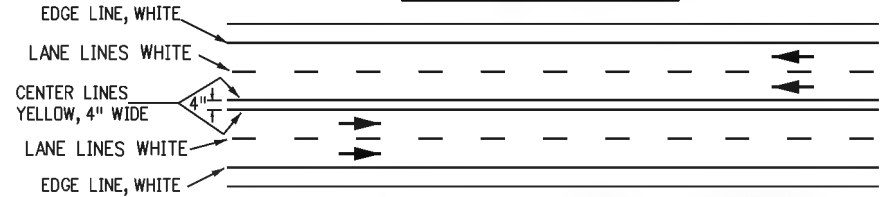
▲ NOTE:  
D = THE DISTANCE FROM THE LANE ENDS SIGN (W4-2) TO THE BEGINNING OF THE MERGING TAPER. FOR MORE INFORMATION ON THE "D" VALUE REGARDING SIGN AND PAVEMENT MARKING PLACEMENT, SEE THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", TABLE 2C-4, CONDITION A: SPEED REDUCTION AND LANE CHANGING IN HEAVY TRAFFIC AND FOOTNOTE 2 REGARDING TYPICAL CONDITIONS.

LEGEND

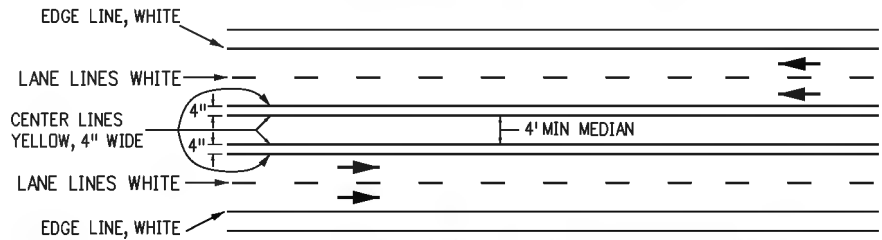
→ Direction of Travel



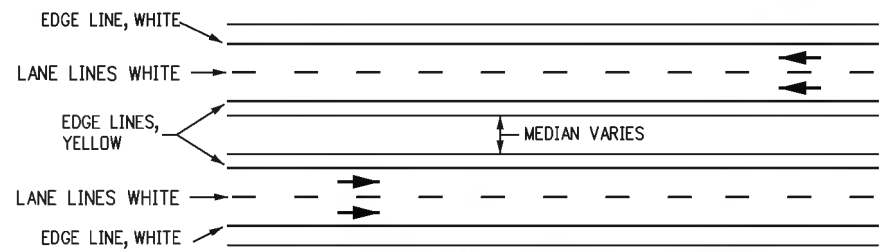
TWO LANE HIGHWAY



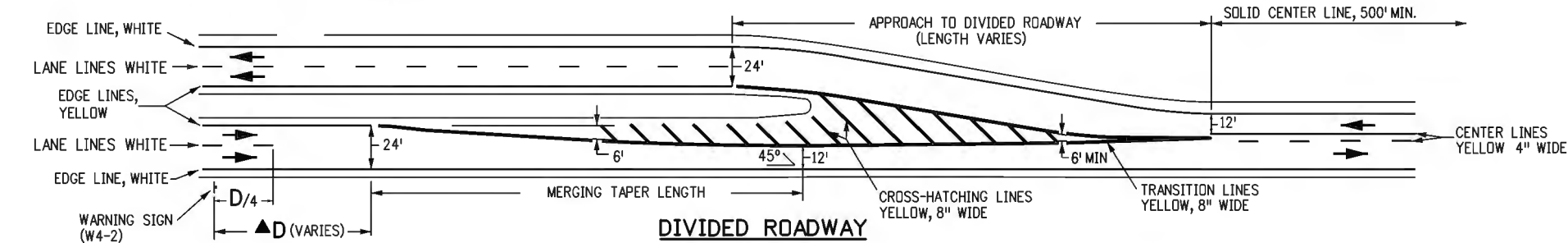
FOUR LANE UNDIVIDED HIGHWAY



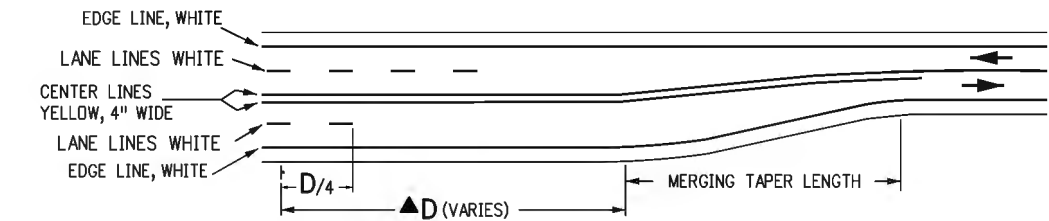
FOUR LANE PAINT DIVIDED HIGHWAY



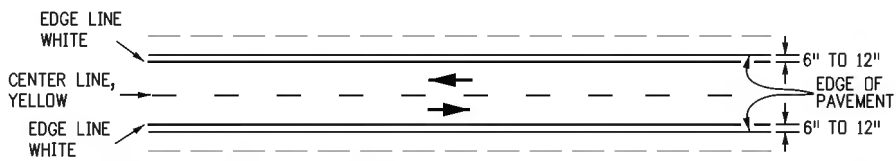
FOUR LANE DIVIDED HIGHWAY



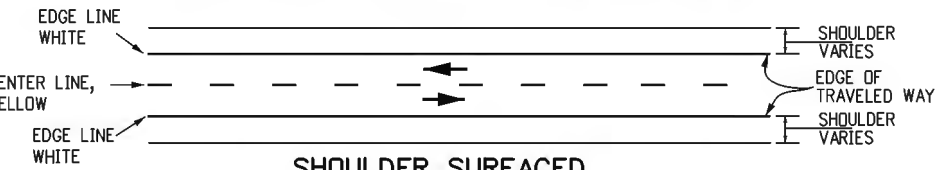
DIVIDED ROADWAY



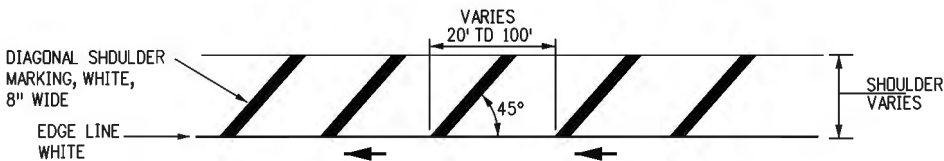
UNDIVIDED ROADWAY - CASE 1



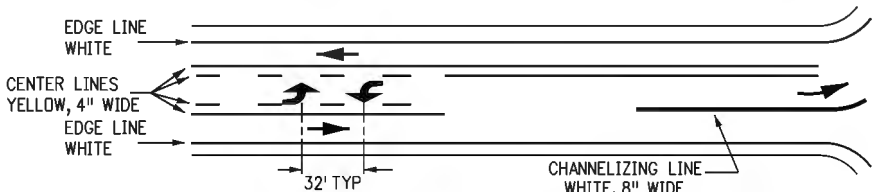
NO SHOULDER OR UNSURFACED SHOULDER



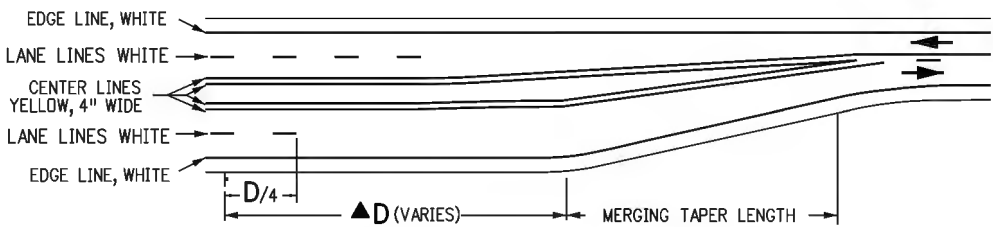
SHOULDER SURFACED



EDGE LINE WITH OPTIONAL DIAGONAL SHOULDER MARKING



TYPICAL TWO WAY LEFT TURN LANE



UNDIVIDED ROADWAY - CASE 2

TYPICAL PAVEMENT WIDTH TRANSITION MARKINGS

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Date:	Comments
04/14/23	ADD GENERAL NOTE 13 & UPDATE NUMBER OF SHEETS
07/22/22	GENERAL NOTES UPDATE
02/16/21	UPDATE GENERAL NOTE NUMBER
04/17/20	LINE WIDTH UPDATE.

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PAVEMENT MARKINGS

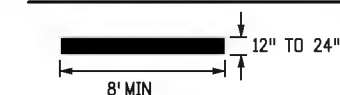
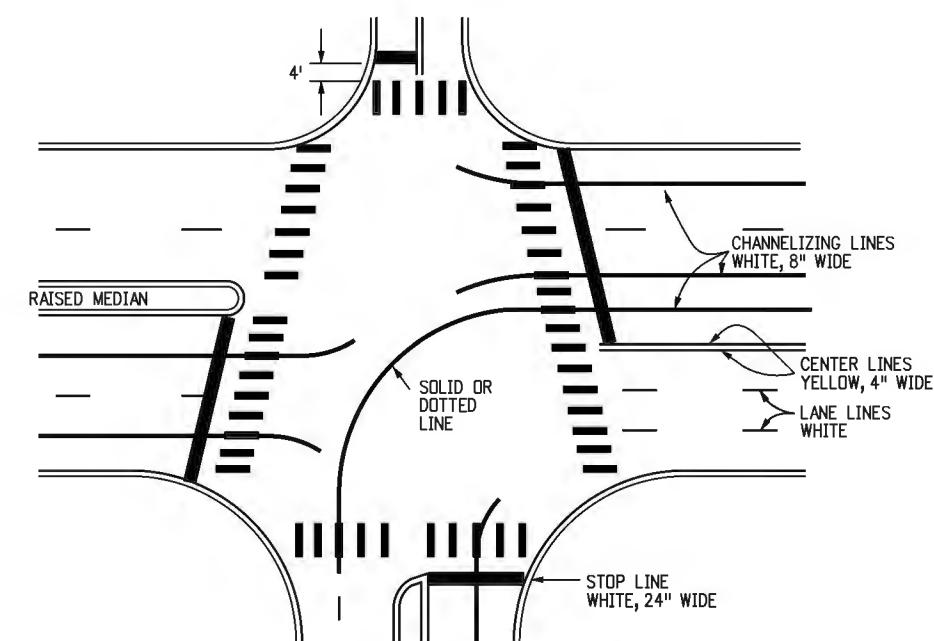
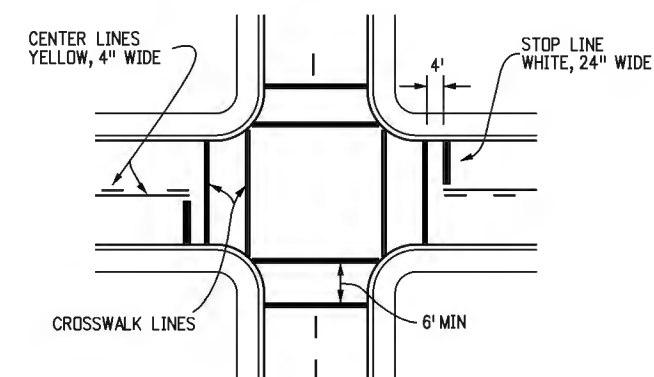
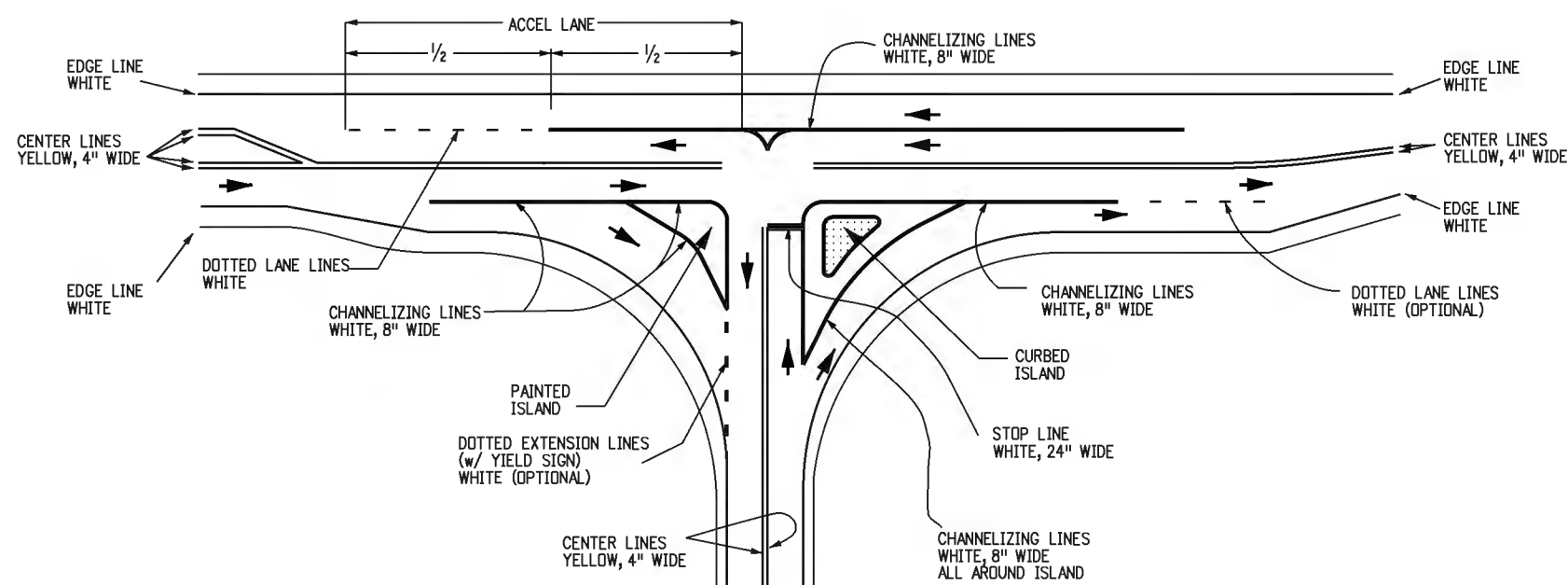
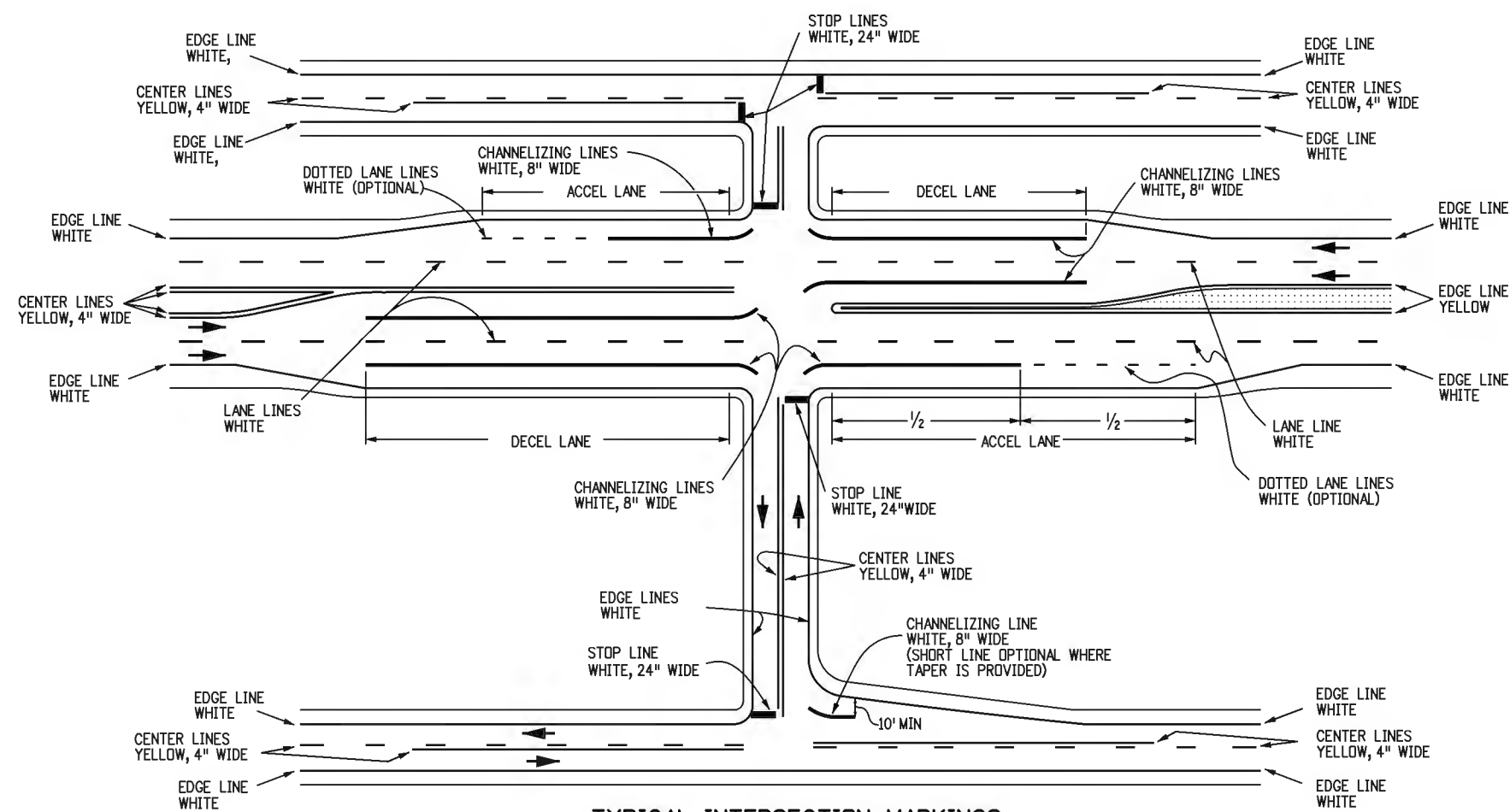
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STANDARD PLAN NO.

S-627-1

Standard Sheet No. 2 of 11

Project Sheet Number:

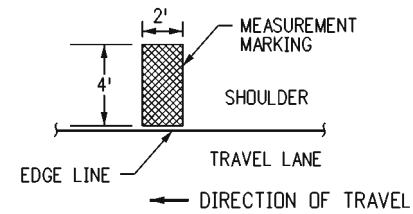
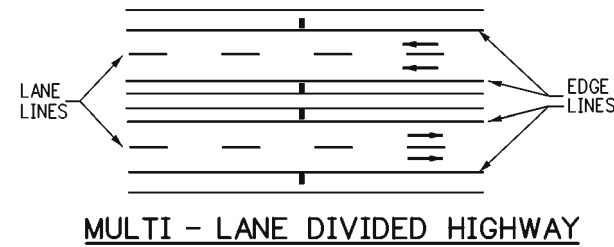
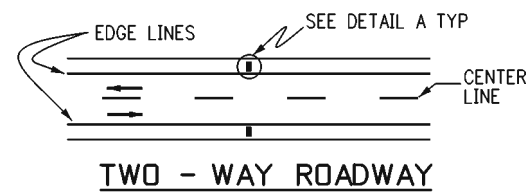


- CONTINENTAL CROSSWALK NOTES

1. CENTER CROSSWALKS ON CURB RAMPS. IF SUCH RAMPS ARE NOT PROVIDED, CENTER ON SIGNAL POLES WHEREVER PRACTICAL.
2. CENTER CROSSWALKS ON EDGE LINES, LANE LINES AND CHANNELIZING LINES.
3. CENTER CROSSWALKS BETWEEN ADJACENT LINES.
4. MARKINGS SHALL NOT BE WITHIN WHEEL PATH OF VEHICLES.
5. CENTER ON EXTENDED FLOW LINE.
6. LINES AND SPACES TO APPROXIMATE ADJACENT APPROPRIATE.

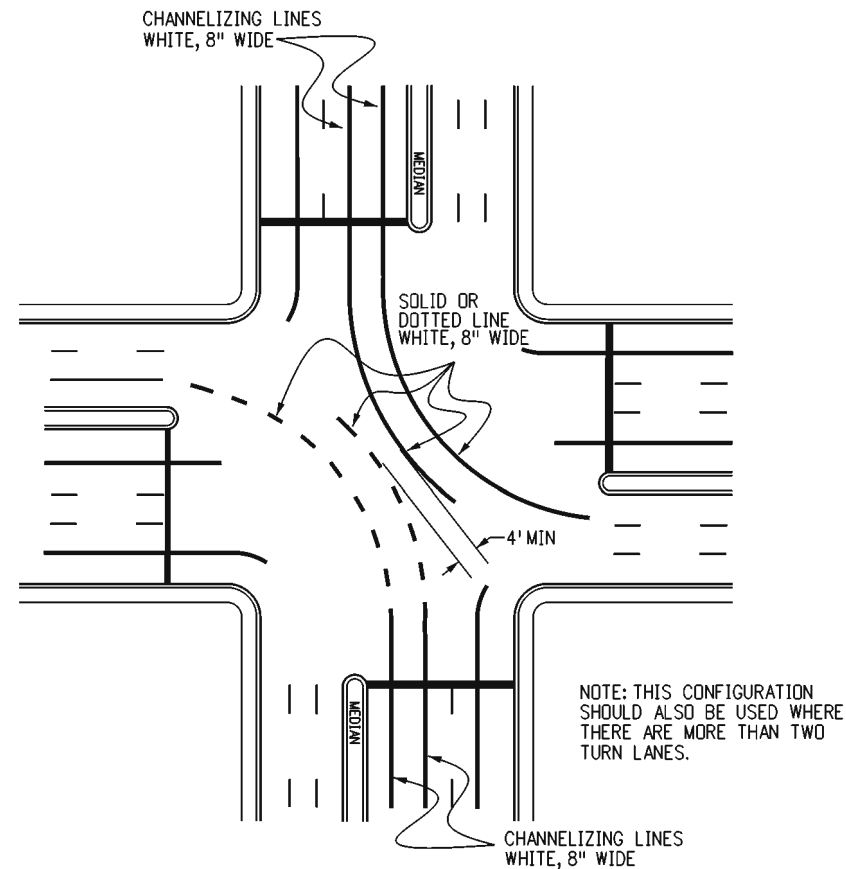
## INTERSECTIONS, ISLANDS AND CROSSWALKS

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Last Modified By: AVu		R-2	02/16/21							ADDED DEC TAPER TO TYPICAL ISLAND MARKINGS
CAD Ver.: MicroStation V8    Scale: Not to Scale Units: English		R-1	04/17/20	LINE WIDTH & CROSSWALK NOTES	Issued By: Traffic Safety & Engineering Branch July 31, 2019		Project Sheet Number:			

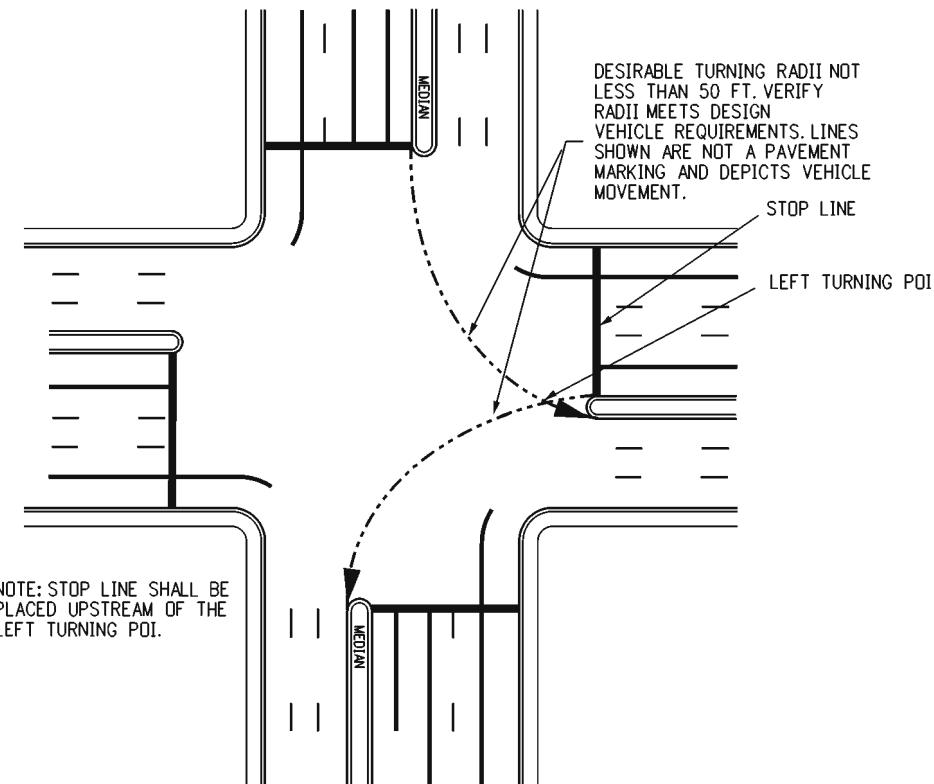


**DETAIL A**

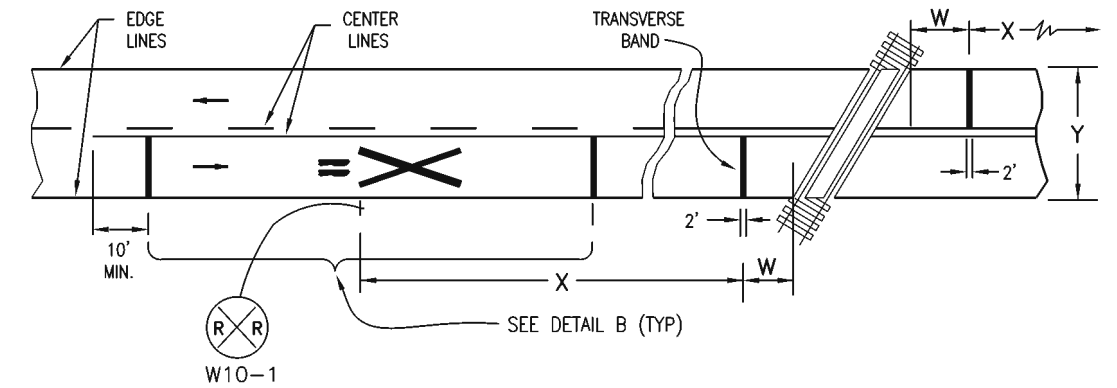
## TYPICAL SPEED MEASUREMENT MARKING



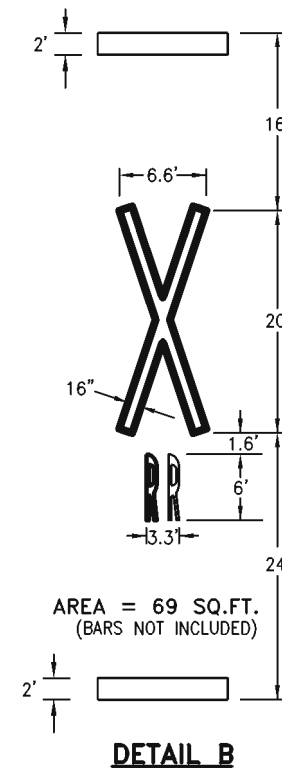
## TYPICAL DOUBLE LEFT TURN MARKINGS



## TYPICAL STOP LINE PLACEMENT




## TYPICAL PAVEMENT MARKING AT RAILROAD CROSSING

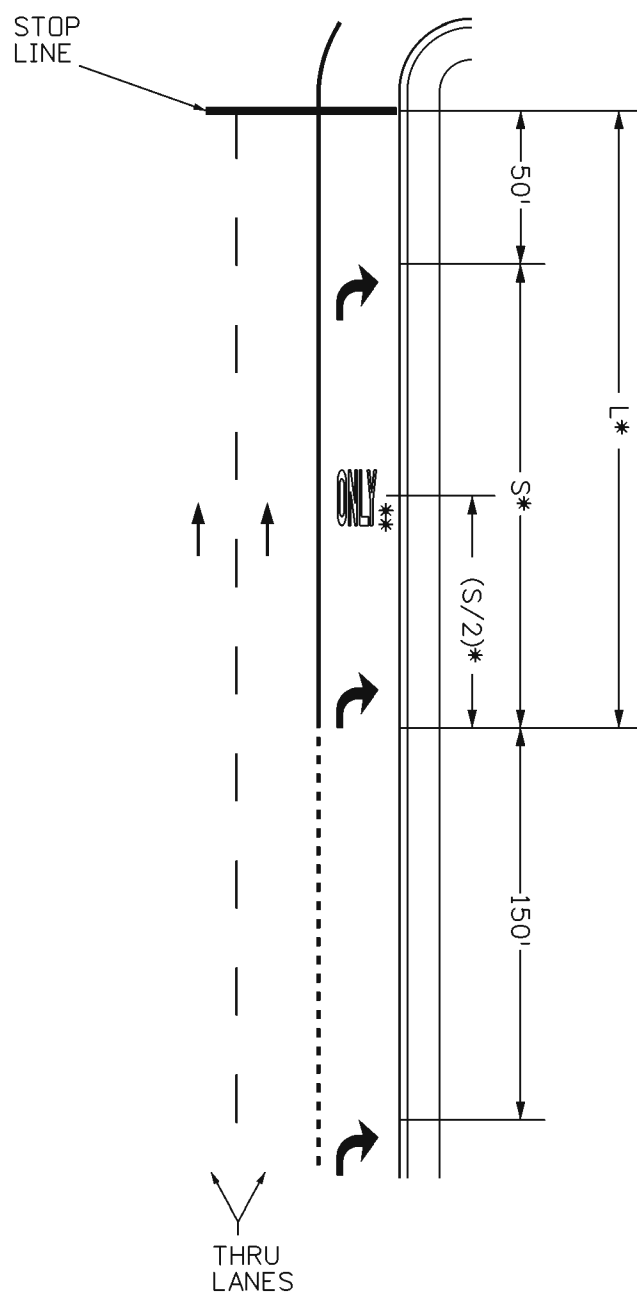


- W= APPROXIMATELY 15 FT. (STOP LINE SHOULD BE 8' IN ADVANCE OF ACTIVE TRAFFIC CONTROL SYSTEMS; I.E., AUTOMATIC GATES AND/OR FLASHING SIGNALS).
- X= THE DISTANCE FROM THE RAILROAD CROSSING MARKING TO THE NEAREST TRACK WILL VARY ACCORDING TO THE APPROACH SPEED AND THE SIGHT DISTANCE OF THE VEHICULAR TRAFFIC APPROACHING, BUT NOT LESS THAN 100 FT. (REFERENCE NOTE 1).
- Y= ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL RR SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

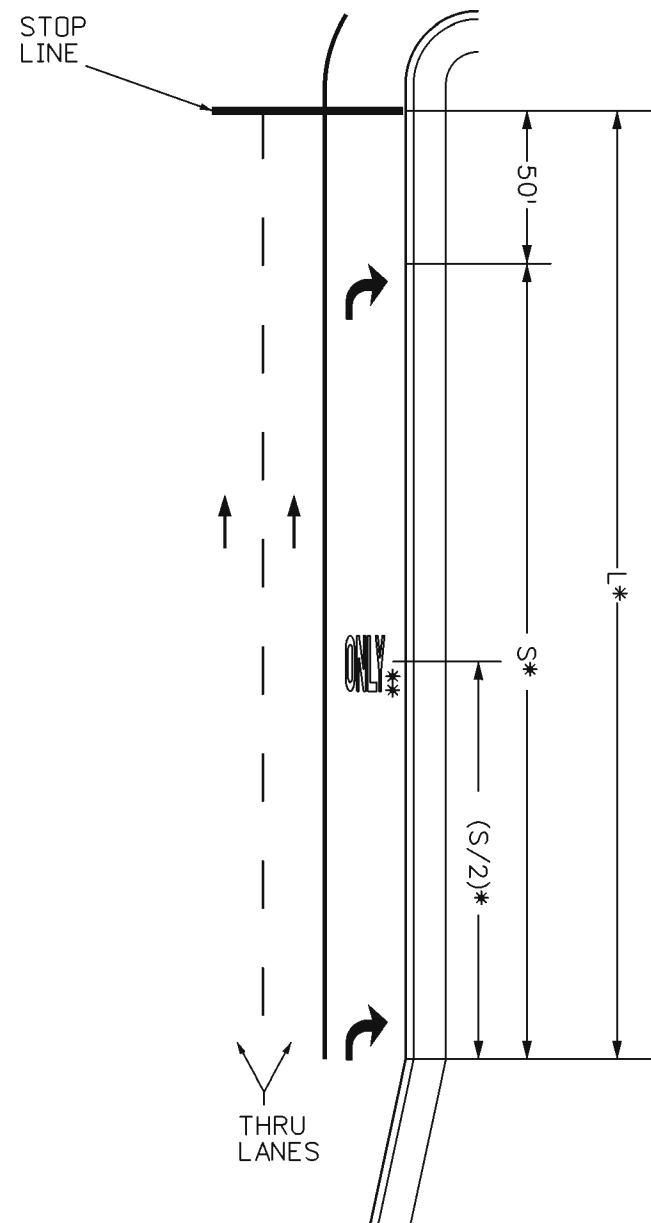
### NOTES

1. THE WARNING SIGN SHALL BE PLACED ACCORDING TO THE WARNING SIGN PLACEMENT TABLE IN THE MUTCD (CHAPTER 2C, TABLE 2C-4). IF CONDITIONS DO NOT ALLOW PLACEMENT ACCORDING TO THE TABLE, IT SHALL BE AS APPROVED BY THE ENGINEER.
2. FOR RR SYMBOL DETAILS, REFER TO "THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS", ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION.

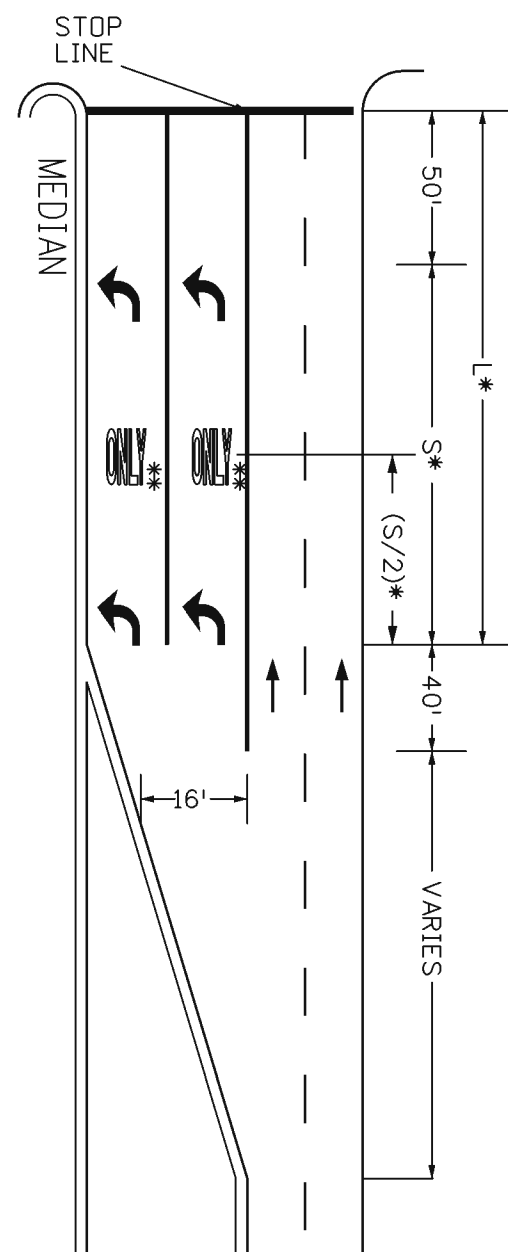
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Created By: SCL				 2829 W. Howard Pl. Denver, CO 80204 Phone: 303-757-9654 FAX: 303-757-9219	Traffic Safety & Engineering <span style="float: right;">EB</span>	Standard Sheet No. 4 of 11	
Last Modification Date: 04/14/23						Project Sheet Number:	
Last Modified By: AVu							
CAD Ver.: MicroStation V8	Scale: Not to Scale	Units: English					



LANE DROP



POCKET LANE



DOUBLE TURNING

## GENERAL NOTES

1. THE SPACING, IN THE TABLE APPLIES TO LEFT & RIGHT TURN LANES.
2. \*\* 'ONLY' MARKING IS OPTIONAL. CONTACT REGION TRAFFIC ENGINEER FOR DIRECTION.
3. WHEN ONE (1) ARROW IS USED, IT SHALL BE PLACED AT THE BEGINNING OF THE FULL WIDTH TURN LANE, OTHERWISE USE THE TABLE BELOW FOR ARROW PLACEMENT.

LENGTH (L)	LEFT AND RIGHT TURN ARROW		NO. OF 'ONLY' PER LANE
	NO. OF ARROWS PER LANE	SPACING (S)	
L < 200'	1	NA	NA
200' - 350'	2	EVENLY SPACED BETWEEN 150'-300'	1
350' - 650'	3		2
650' - 950'	4		3
950' ≤	≥5		≥4

\*L (LENGTH) AND \*S (SPACING) PROVIDED IN THE TABLE ABOVE WILL HELP DETERMINE THE NUMBER OF ARROWS AND ONLY MARKINGS NEEDED PER LANE.

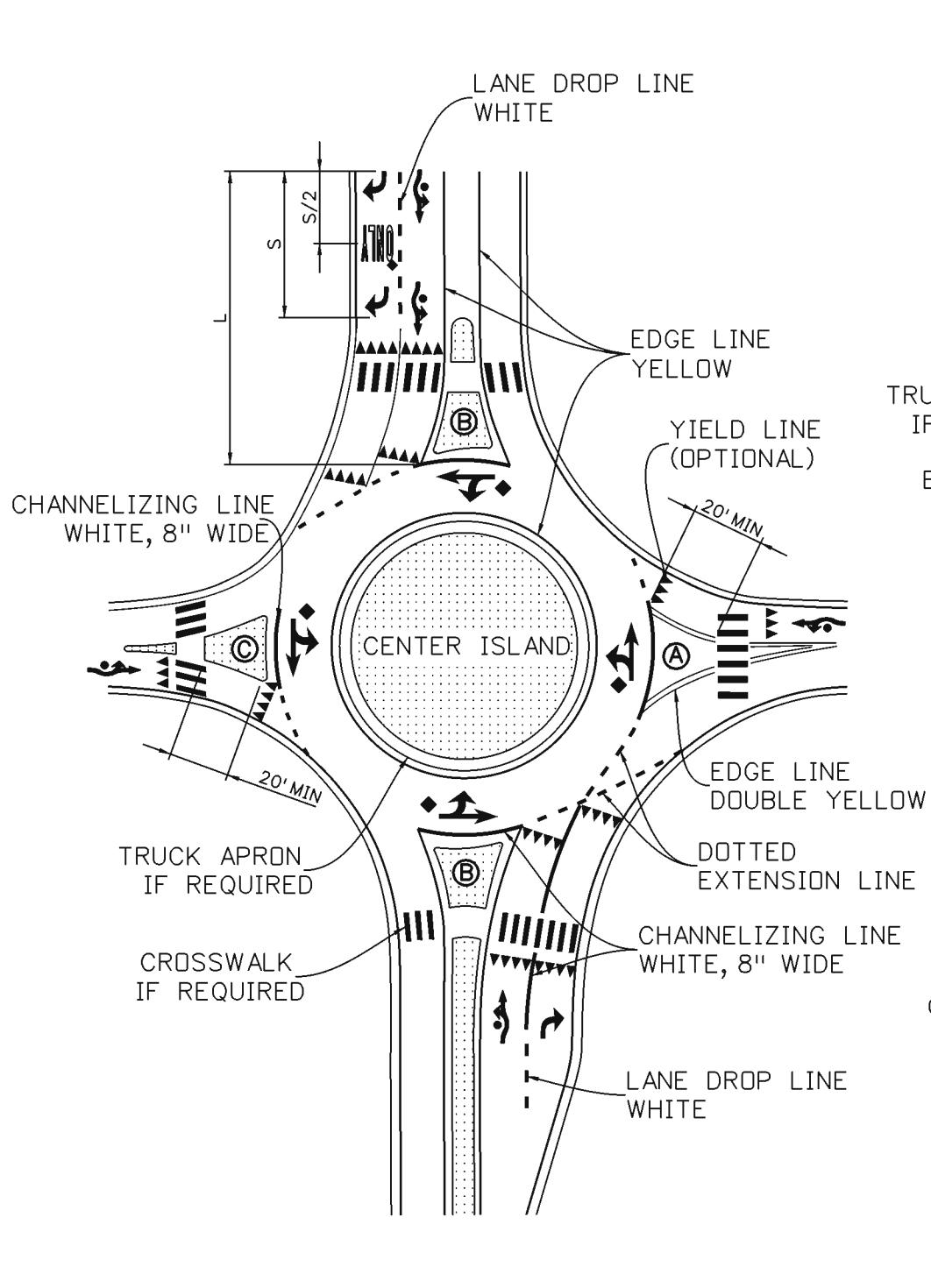
## LEGEND

→ Direction of Travel

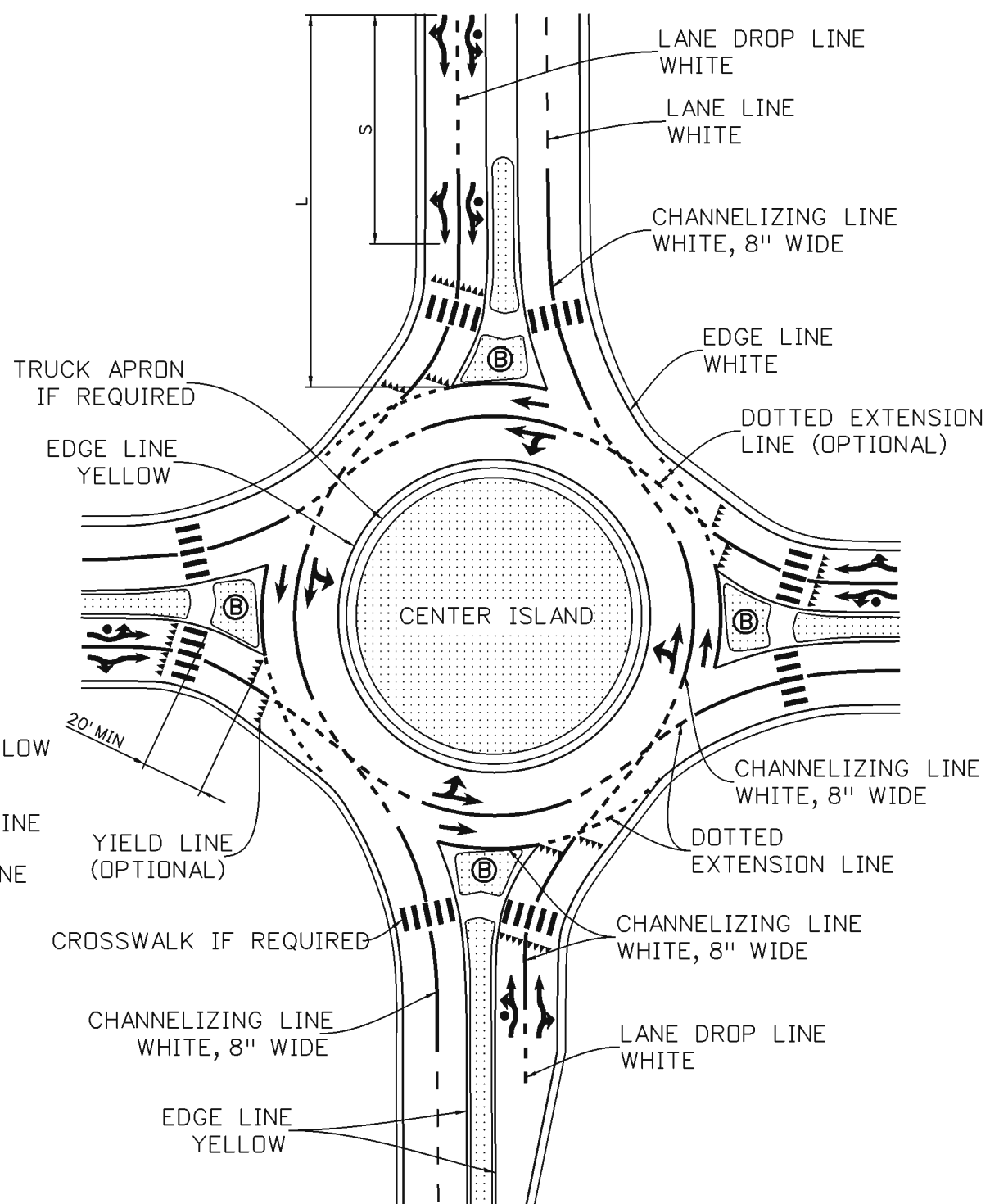
## ARROW PLACEMENTS AT INTERSECTIONS

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Last Modification Date: 04/14/23									
Last Modified By: AVu									
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English									





**SINGLE LANE ROUNDABOUT (TYPICAL)**  
NOTE: SPLITTER ISLAND MAY BE FORMED BY TWO YELLOW LINES, RAISED NON-MOUNTABLE, OR RAISED MOUNTABLE.



**TWO LANE ROUNDABOUT (TYPICAL)**

**ROUNDABOUT PAVEMENT MARKINGS**

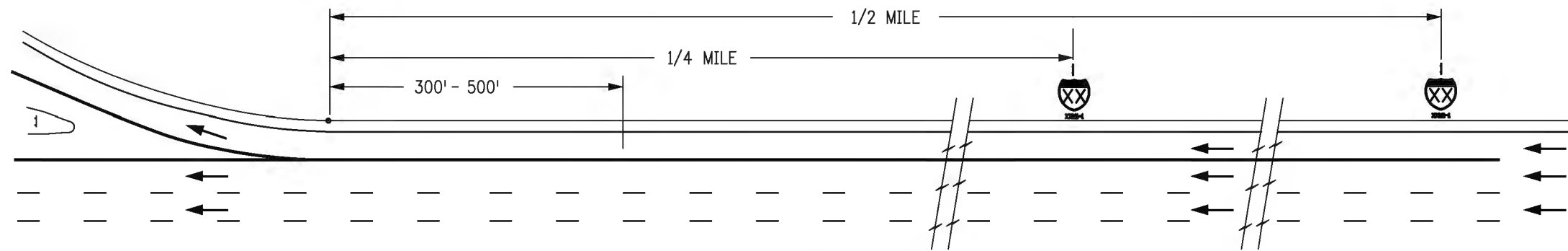
**NOTES**

1. UNLESS SHOWN IN THIS STANDARD, THE WIDTHS OF PAVEMENT MARKINGS SHALL MATCH THE LARGEST LINE WIDTH OF THE ADJACENT FACILITIES.
2. PAVEMENT MARKING LINES ALONG NON-MOUNTABLE SPLITTER ISLANDS ARE OPTIONAL.
3. NORMAL LANE-USE ARROWS SHALL BE USED IN THE ROUNDABOUT.
4. NORMAL OR FISH-HOOK LANE-USE ARROWS MAY BE USED ON THE APPROACH. ADVANCED SIGNING SHALL MATCH THE PAVEMENT MARKING USED.  
  
A. WHEN ONE (1) ARROW IS USED ON THE APPROACH, IT SHALL BE PLACED AT THE BEGINNING OF THE CHANNELIZING LINE. OTHERWISE, USE TABLE BELOW.
5. THE INSCRIBED OVAL IS OPTIONAL AND MAY BE COMBINED WITH THE LANE-USE ARROW IN THE LEFT-MOST LANE.
6. SEE SHEET 10 FOR LANE-USE ARROW DIMENSIONS.
7. YIELD LINES UTILIZED AT CROSSWALK SHALL BE PLACED 20 TO 50 FEET IN ADVANCED OF THE CROSSWALK.

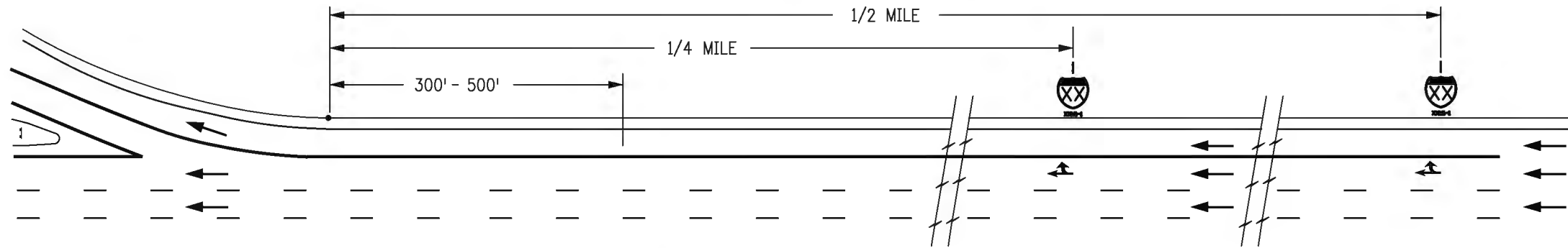
LENGTH (L)	LEFT AND RIGHT TURN ARROW		NO. OF 'ONLY' PER LANE
	NO. OF ARROWS PER LANE	SPACING (S)	
L < 200'	1	NA	NA
200' - 350'	2	EVENLY SPACED BETWEEN 150'-300'	1
350' - 650'	3		2
650' - 950'	4		3
950' ≤	≥5		≥4

**LEGEND**

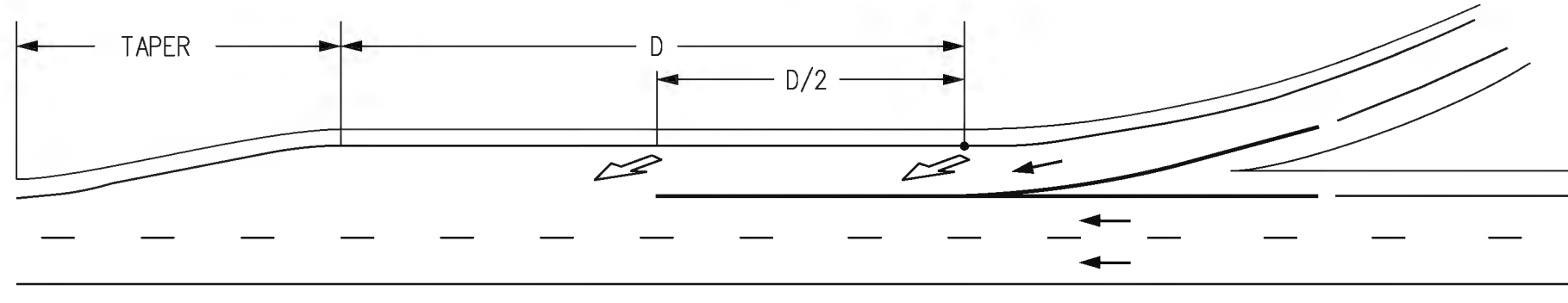
- Ⓐ SPLITTER ISLAND FORMED BY TWO YELLOW LINES
- Ⓑ RAISED NON-MOUNTABLE SPLITTER ISLAND
- Ⓒ MOUNTABLE SPLITTER ISLAND
- ◆ OPTIONAL



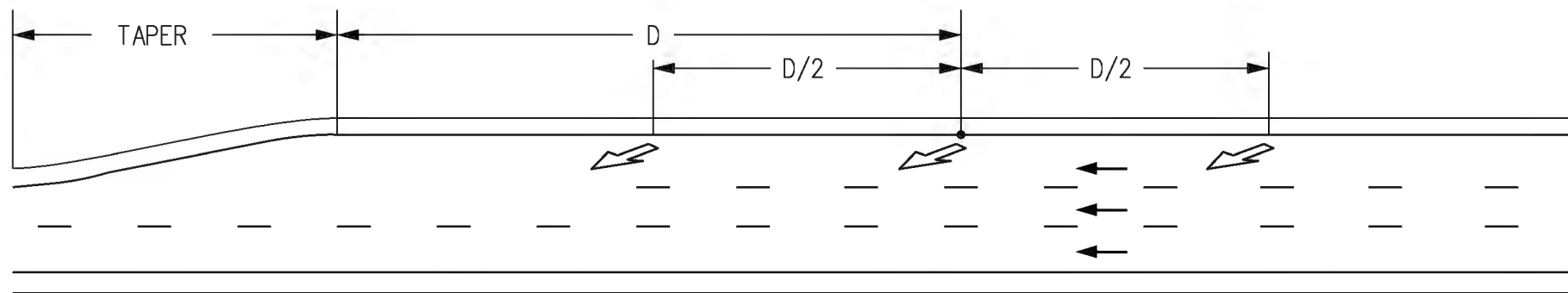
TYPICAL SHIELD PLACEMENT



TYPICAL SHIELD & OPTION ARROW PAVEMENT MARKING PLACEMENT



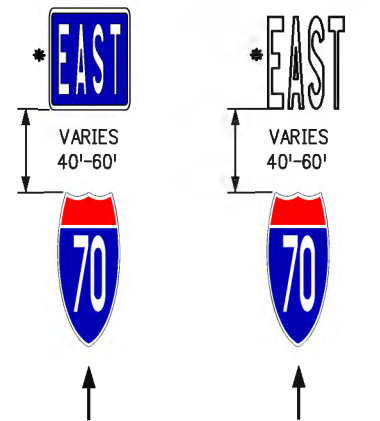
TRANSITION LANE MARKINGS



THRU LANE REDUCTION MARKINGS

LANE REDUCTION TRANSITION MARKINGS

SHIELD LAYOUT DETAIL



NOTES

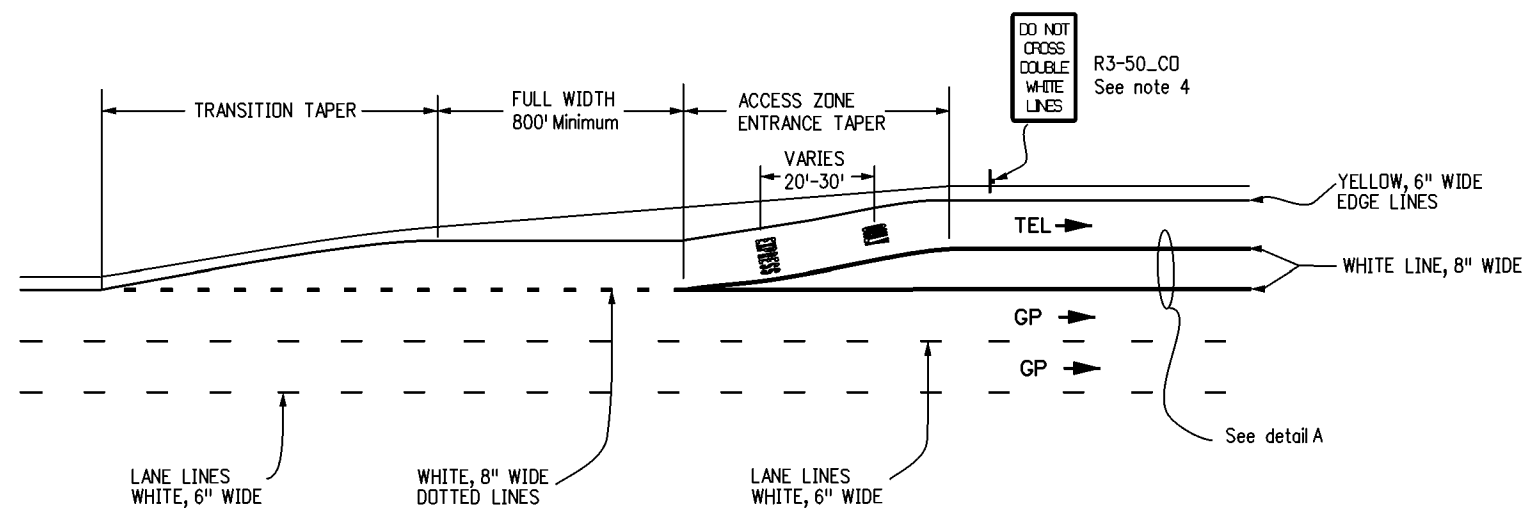
D = THE DISTANCE FROM THE PAVEMENT WIDTH TRANSITION SIGN (W4-2) TO THE BEGINNING OF THE TRANSITION TAPER.

\* SEE GENERAL NOTE 2 ON SHEET 9.

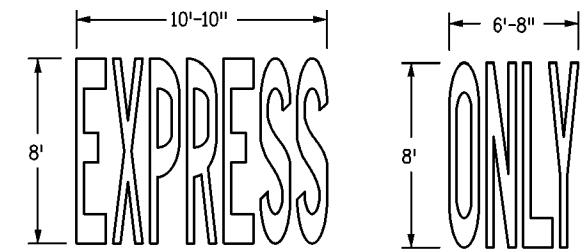
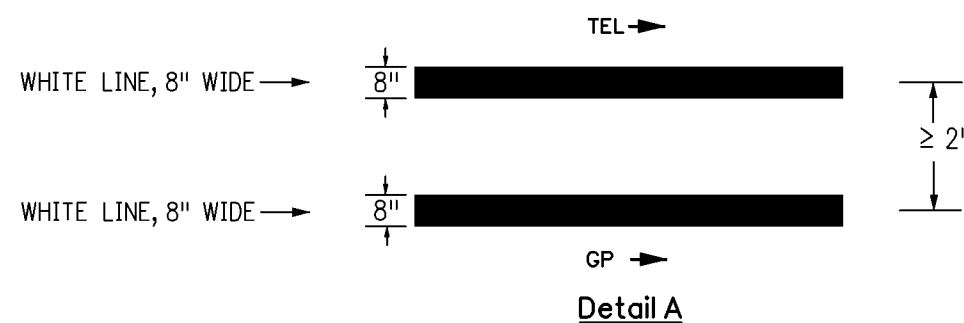
LEGEND

← Direction of Travel

Computer File Information		<div><div>R-2</div><div>R-1</div><div></div><div></div><div></div></div>	Sheet Revisions		Colorado Department of Transportation		<div><div>PAVEMENT MARKINGS</div><div>Issued By: Traffic Safety &amp; Engineering Branch July 31, 2019</div></div>	STANDARD PLAN NO.	
Creation Date: 02/08/17			Date:	Comments	<div><div></div><div>2829 W. Howard Pl. Denver, CO 80204 Phone: 303-757-9654 FAX: 303-757-9219</div><div>Traffic Safety &amp; Engineering</div><div>EB</div></div>	S-627-1			
Created By: MBhat			04/14/23	UPDATED SHEET NUMBER		Standard Sheet No. 7 of 11			
Last Modification Date: 04/14/23			07/22/22	Lane Drop to Thru Lane Reduction Markings		Project Sheet Number:			
Last Modified By: AVu									
CAD Ver.: MicroStation V8    Scale: Not to Scale    Units: English									



TYPICAL ENTRANCE MARKING FOR BUFFER  
WIDTH ≥ 2' AND WHERE BUFFER CROSSING IS PROHIBITED



### GENERAL NOTES

- For transition taper use 25:1 ratio.
- For access zone entrance taper length use:  
 $L = S \times W$   
 $L$  = MINIMUM LENGTH OF TAPER  
 $S$  = DESIGN SPEED FOR NEW CONSTRUCTION OR NUMERICAL VALUE OF THE POSTED SPEED LIMIT  
 $W$  = WIDTH TRANSITIONED
- If buffer space is wider than 4 feet, chevron markings are required (See MUCTD Section 3B.24 and figure 3D.2(A)).
- For each section prohibiting entering and exiting movements, the R3-50\_CD sign shall be installed within 300 feet of the start of the express lane. Additional R3-50\_CD signing shall be installed as shown in the plans.
- For each section prohibiting entering and exiting movements, an EXPRESS ONLY marking should be placed within 50 feet of the start of the express lane.
- EXPRESS ONLY markings should supplement the signs.

### LEGEND

TEL - TOLL/EXPRESS LANE  
GP - GENERAL PURPOSE LANE

## TOLL EXPRESS LANE PAVEMENT MARKINGS

Computer File Information		<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	Sheet Revisions		<div>Colorado Department of Transportation</div> <div><div><div></div><div></div></div><div>2829 W. Howard Pl. Denver, CO 80204 Phone: 303-757-9654 FAX: 303-757-9219</div></div> <div>Traffic Safety &amp; Engineering</div> <div>EB</div>	PAVEMENT MARKINGS		STANDARD PLAN NO.	
Creation Date: 07/31/19			<div>Date:</div>	<div>Comments</div>		S-627-1		Standard Sheet No. 8 of 11	
Created By: EButta			04/14/23	ADD LEGEND & UPDATED SHEET NUMBER					
Last Modification Date: 04/14/23			04/17/20	STRIPING LAYOUT & GENERAL NOTE UPDATE					
Last Modified By: AVu								Project Sheet Number:	
CAD Ver.: MicroStation V8	Scale: Not to Scale		Units: English						



WORD AND SYMBOL NOTES

- 1. IF HEIGHT IS INCREASED OR DECREASED THEN ALL MEASUREMENTS CHANGE PROPORTIONATELY. EXAMPLE: "H" MEASUREMENT FOR STOP IS REDUCED TO 4 FT. FROM 8 FT. THEN SQUARE FEET 5.75 (1/4 OF 23.0 SQ. FT.).
- 2. PAVEMENT WORD AND SYMBOL MARKINGS, TRANSVERSE AND LONGITUDINAL (CONTINENTAL) CROSSWALK LINES, AND STOP LINES WILL BE PAID FOR IN SQUARE FEET USING THEIR SPECIFIC BID ITEMS.
- 3. LETTER SPACING SHALL BE 8 IN. EXCEPT FOR THE LETTER "A" WHICH IS 6 IN..
- 4. USE THE MARKING WORD "BIKE" IF 6 FT. TO 8 FT. BIKE LANES ARE INSTALLED.

TAPERING NOTES

- 1. ALL PAVEMENT MARKING APPROACH EDGES FROM THE VEHICLE DIRECTION OF TRAVEL SHALL BE TAPERED USING A PUTTY KNIFE OR SIMILAR TOOL.

DESIGNATED PAYMENT AREAS

FOR THE FOLLOWING H, W, AND S DIMENSIONS PAY:

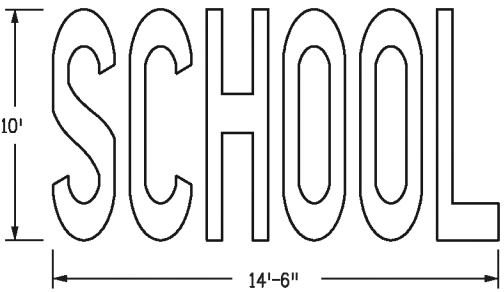
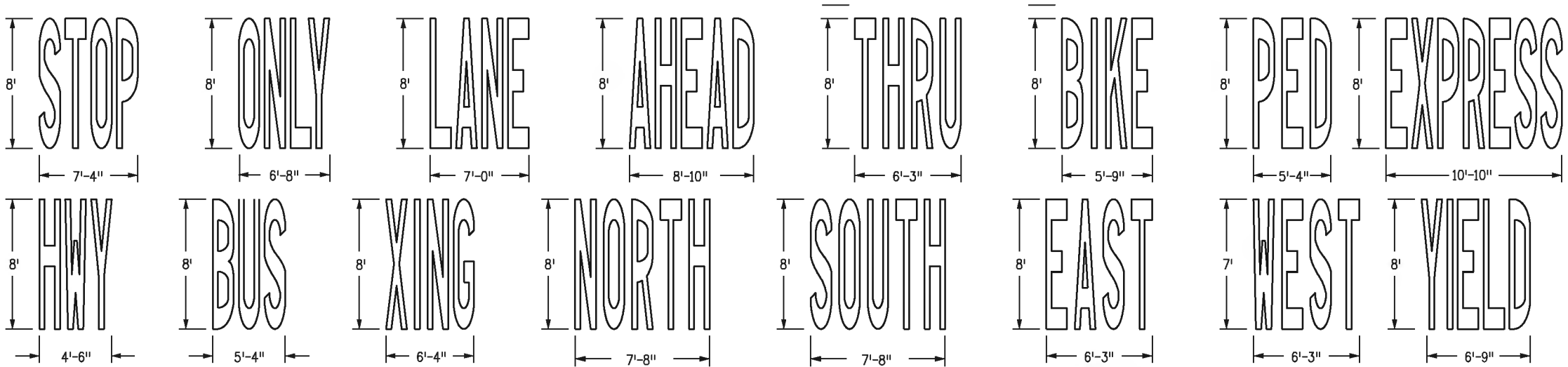
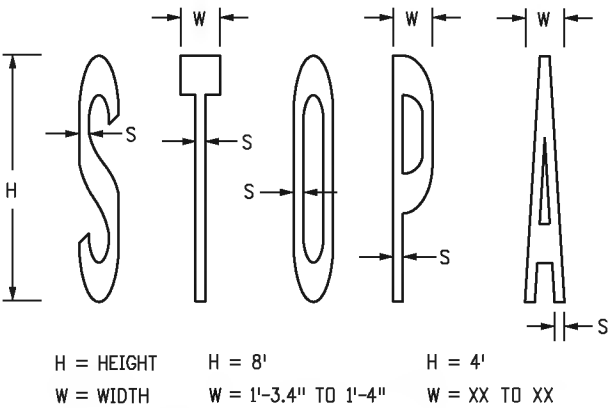
H = 4' WORDS

BIKE - 5.5 SQ.FT. LANE - 6.0 SQ.FT.  
ONLY - 6.0 SQ.FT. XING - 5.0 SQ.FT.

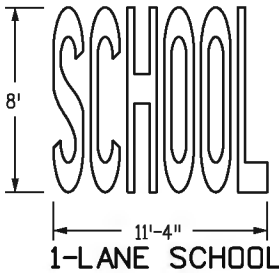
H = 8' WORDS

STOP - 23.0 SQ.FT. XING - 20.0 SQ.FT.  
ONLY - 22.5 SQ.FT. LANE - 22.5 SQ.FT.  
AHEAD - 29.0 SQ.FT. BIKE - 21.0 SQ.FT.  
BUS - 18.5 SQ.FT. HWY - 16.5 SQ.FT.  
SCHOOL(1L) - 33.0 SQ.FT. THRU - 22.0 SQ.FT.  
SCHOOL(2L) - 85.0 SQ.FT. PED - 17.5 SQ.FT.  
NORTH - 30.6 SQ.FT. SOUTH - 28.5 SQ.FT.  
EAST - 22.1 SQ.FT. WEST - 23.7 SQ.FT.  
X with RR - 69 SQ.FT. EXPRESS - 41 SQ.FT.  
YIELD - 23 SQ.FT.

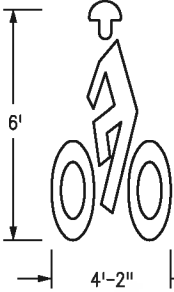
TYPICAL LETTER MEASUREMENTS



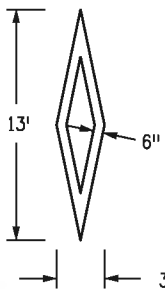
STROKE = 8"  
2-LANE SCHOOL



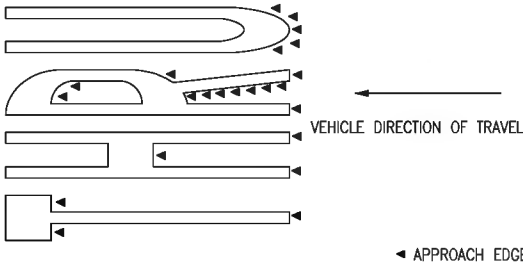
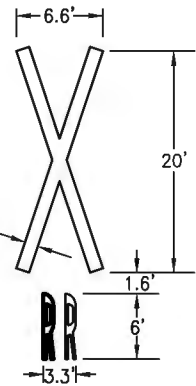
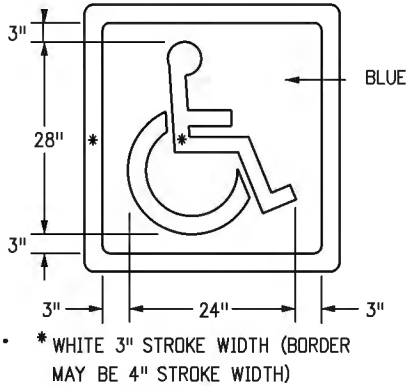
1-LANE SCHOOL



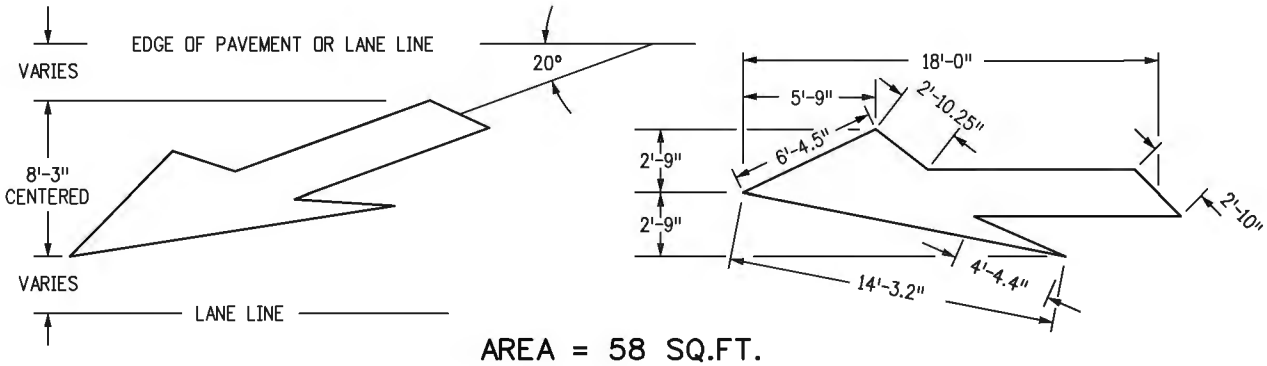
AREA = 11.9 SQ.FT.



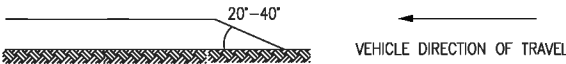
AREA = 10 SQ.FT.



TYPICAL APPROACH EDGE TAPERING VIEW





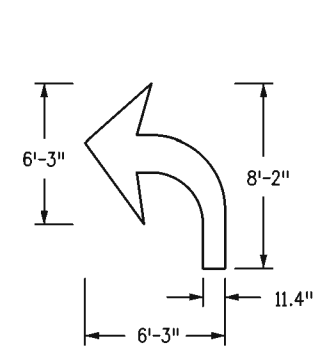
AREA = 58 SQ.FT.



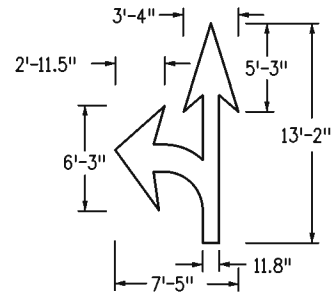
TYPICAL APPROACH EDGE TAPERING PROFILE VIEW

PAVEMENT MARKING WORDS AND SYMBOLS (PAGE 1)

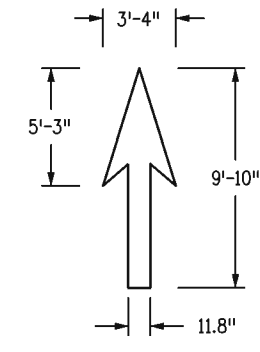
Computer File Information		Sheet Revisions		Colorado Department of Transportation  2829 W. Howard Pl. Denver, CO 80204 Phone: 303-757-9654 FAX: 303-757-9219  Traffic Safety & Engineering	EB	PAVEMENT MARKINGS	STANDARD PLAN NO.	
Creation Date: 07/04/12		Date:	Comments				S-627-1	
Created By: SCL		04/14/23	MOVED ARROWS DIMENSIONS TO SHEET 10				Standard Sheet No. 9 of 11	
Last Modification Date: 04/14/23			UPDATED SHEET NUMBER				Project Sheet Number:	
Last Modified By: AVu								
CAD Ver.: MicroStation V8		Scale: Not to Scale	Units: English					



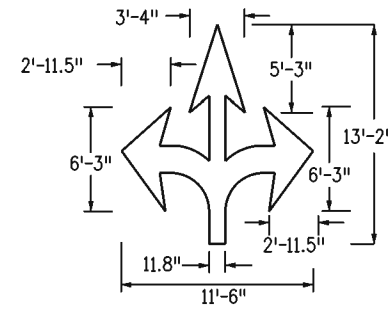
AREA = 16.1 SQ.FT.



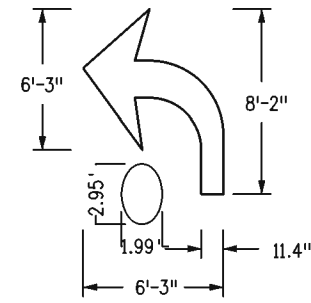
AREA = 27.5 SQ.FT.



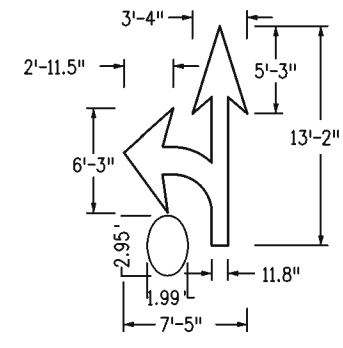
AREA = 12.1 SQ.FT.



AREA = 39.8 SQ.FT.



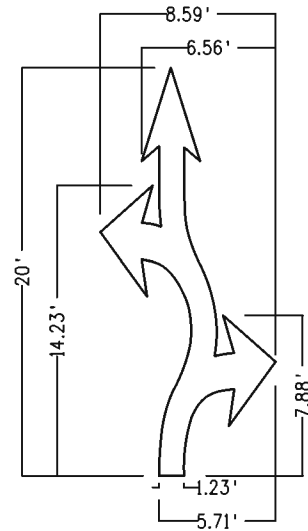
AREA = 20.7 SQ.FT.



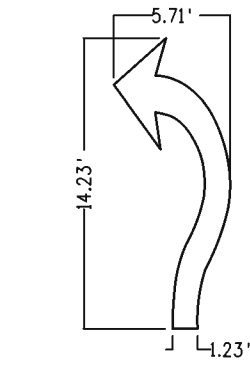
AREA = 32.1 SQ.FT.

### WORD AND SYMBOL NOTES

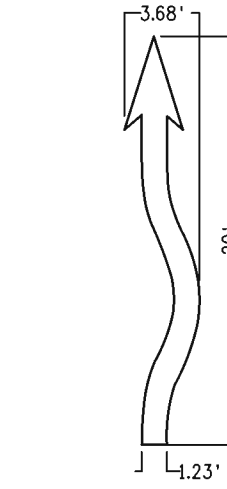
1. IF HEIGHT IS INCREASED OR DECREASED THEN ALL MEASUREMENTS CHANGE PROPORTIONATELY. EXAMPLE: "H" MEASUREMENT FOR STOP IS REDUCED TO 4 FT. FROM 8 FT. THEN SQUARE FEET 5.75 (1/4 OF 23.0 SQ. FT.).
2. PAVEMENT WORD AND SYMBOL MARKINGS, TRANSVERSE AND LONGITUDINAL (CONTINENTAL) CROSSWALK LINES, AND STOP LINES WILL BE PAID FOR IN SQUARE FEET USING THEIR SPECIFIC BID ITEMS.



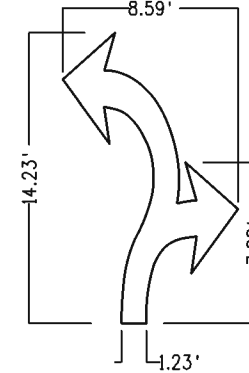
AREA = 41.3 SQ.FT.



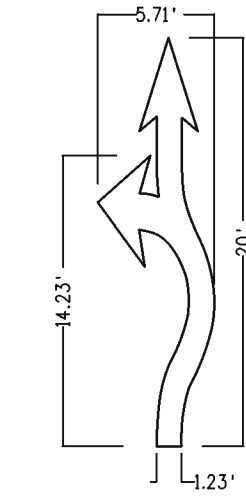
AREA = 23.1 SQ.FT.



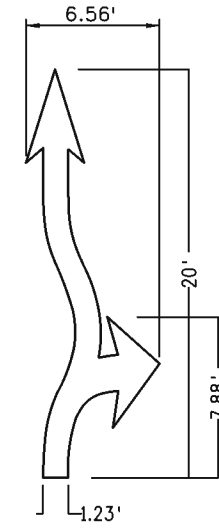
AREA = 26.0 SQ.FT.



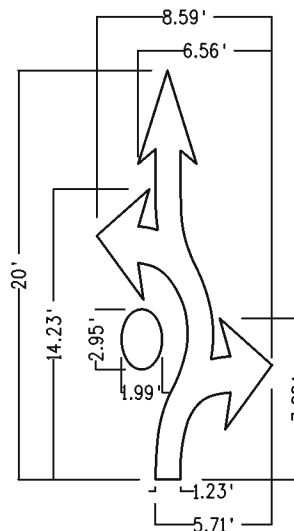
AREA = 30.7 SQ.FT.



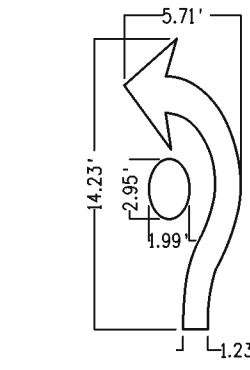
AREA = 33.7 SQ.FT.



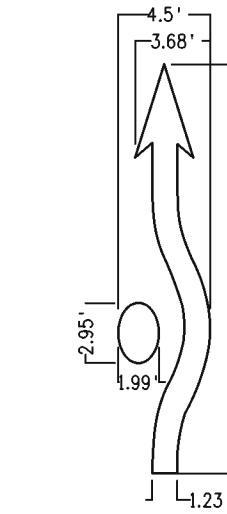
AREA = 33.5 SQ.FT.



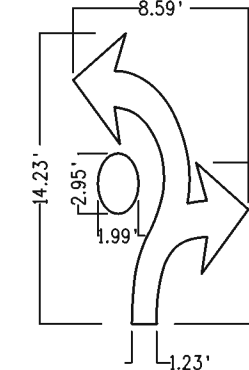
AREA = 45.9 SQ.FT.



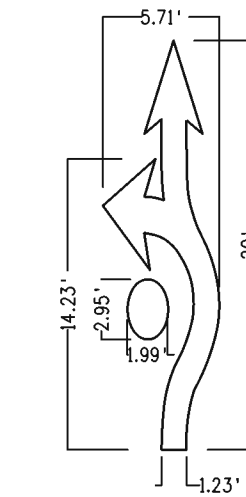
AREA = 27.7 SQ.FT.



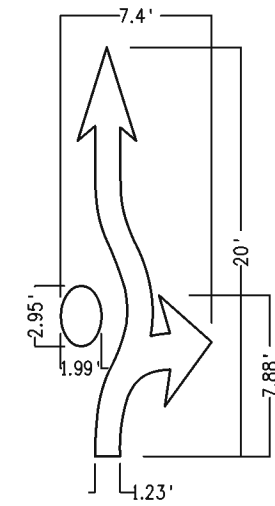
AREA = 30.6 SQ.FT.



AREA = 35.3 SQ.FT.




AREA = 38.3 SQ.FT.

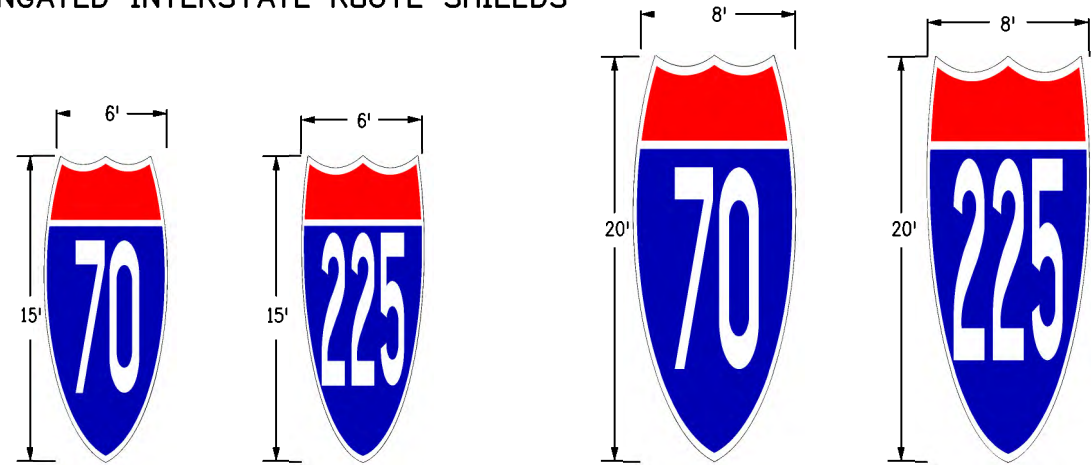


AREA = 38.1 SQ.FT.

### PAVEMENT MARKING WORDS AND SYMBOLS (PAGE 2)

Computer File Information		0000	Sheet Revisions		Colorado Department of Transportation		<div><div></div><div>2829 W. Howard Pl. Denver, CO 80204 Phone: 303-757-9654 FAX: 303-757-9219</div></div>	PAVEMENT MARKINGS	STANDARD PLAN NO.	
Creation Date: 04/14/23	Date:		Comments	<div><div>Traffic Safety &amp; Engineering</div><div>EB</div></div>	S-627-1					
Created By: AVu					Standard Sheet No. 10 of 11					
Last Modification Date:					Project Sheet Number:					
Last Modified By:					Issued By: Traffic Safety & Engineering Branch July 31, 2019					
CAD Ver.: MicroStation V8   Scale: Not to Scale   Units: English										

ELONGATED INTERSTATE ROUTE SHIELDS



DESIGNATED PAYMENT AREAS

FOR THE FOLLOWING ROUTE SHIELDS  
& CARDINAL DIRECTIONS DIMENSIONS PAY:

INTERSTATE

6' X 15' - 75 SQ.FT. 8' X 20' - 128 SQ.FT.

COLORADO STATE

6' X 15' - 90 SQ.FT. 8' X 20' - 160 SQ.FT.

US HIGHWAYS

7' X 16' - 112 SQ.FT. 9' X 21' - 189 SQ.FT.

CARDINAL

8' X 10' - 80 SQ.FT. 9' X 10' - 90 SQ.FT.

NOTES

1. DIMENSIONS

ELONGATED ROUTE SHIELDS SHALL BE AT LEAST 8'X20' WHEN USED ON HIGH SPEED ROADWAYS (55 MPH OR MORE).

PER FIGURE 3B-25 OF THE 2009 MUTCD ELONGATED ROUTE SHIELD COLORS SHALL CONFORM WITH THE STANDARD HIGHWAY SIGNS AND MARKINGS BOOK.

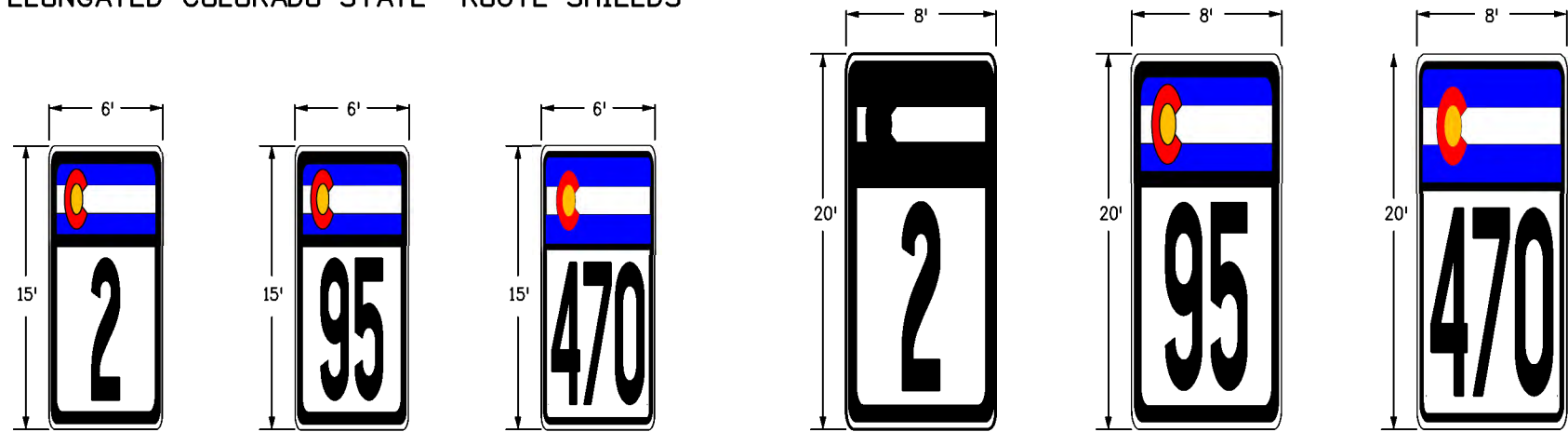
2. CARDINAL DIRECTIONS

USE CARDINAL DIRECTIONS WITH WHITE ON BLUE WHEN USING INTERSTATE ROUTE SHIELDS

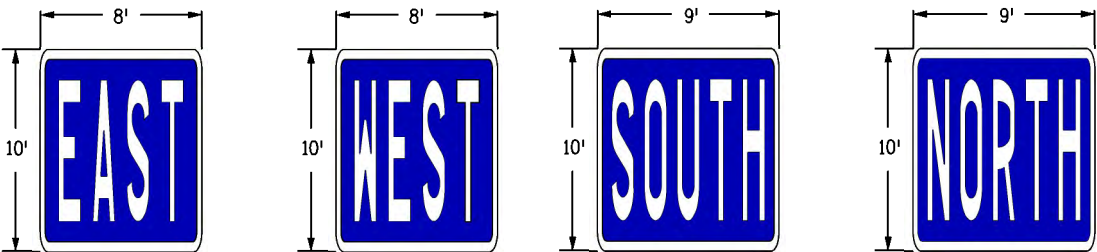
USE CARDINAL DIRECTIONS WITH BLACK ON WHITE WHEN USING EITHER COLORADO STATE OR US HIGHWAY ROUTE SHIELDS.

CARDINAL DIRECTION MARKING WORD SYMBOL FROM PAGE 8 OF 9 MAY BE USED INSTEAD OF PLAQUE.

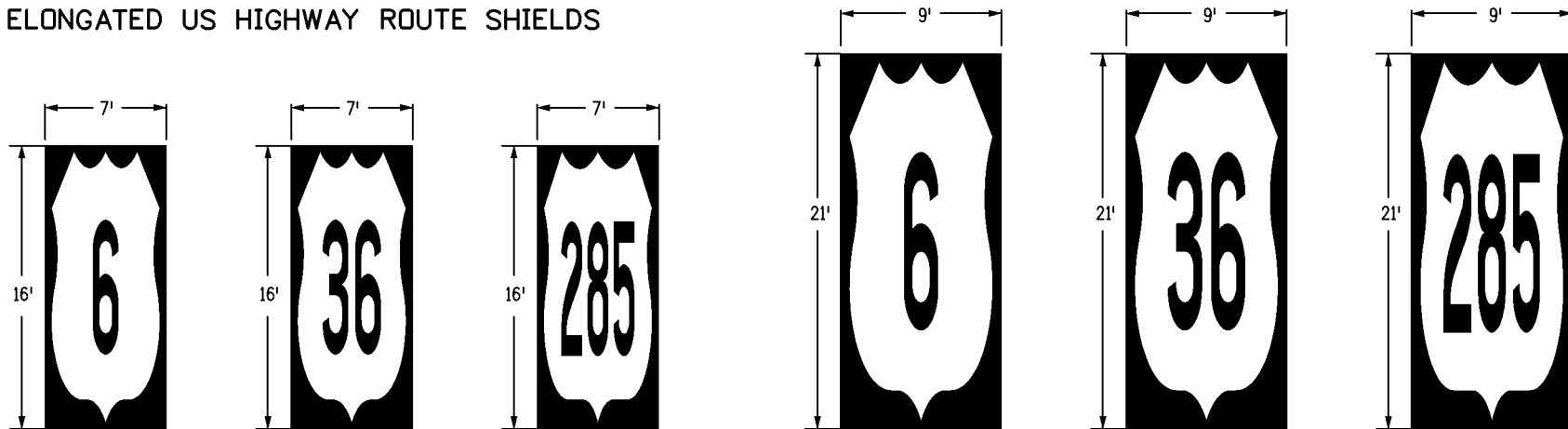
ELONGATED COLORADO STATE ROUTE SHIELDS



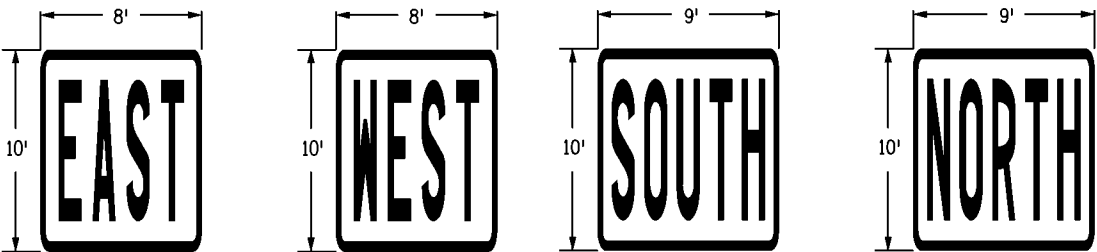
CARDINAL DIRECTIONS  
(WHITE LETTERING ON BLUE BACKGROUND)



ELONGATED US HIGHWAY ROUTE SHIELDS



CARDINAL DIRECTIONS  
(BLACK LETTERING ON WHITE BACKGROUND WITH BLACK BORDER)



ELONGATED ROUTE SHIELDS & CARDINAL DIRECTION MARKINGS

Computer File Information		<div><div><div></div><div></div><div></div><div></div><div></div></div></div>	Sheet Revisions		<div>Colorado Department of Transportation</div> <div><div><div></div><div></div></div><div>2829 W. Howard Pl. Denver, CO 80204 Phone: 303-757-9654 FAX: 303-757-9219</div></div> <div>Traffic Safety &amp; Engineering</div> <div>EB</div>	<div>PAVEMENT MARKINGS</div>	STANDARD PLAN NO.	
Creation Date: 02/08/17			Date:	Comments			S-627-1	
Created By: MBhat			04/14/23	UPDATED SHEET NUMBER			Standard Sheet No. 11 of 11	
Last Modification Date: 04/14/23			02/16/21	GENERAL NOTE UPDATE		Issued By: Traffic Safety & Engineering Branch July 31, 2019		
Last Modified By: AVu			UPDATED NOTE TITLE					
CAD Ver.: MicroStation V8    Scale: Not to Scale    Units: English								