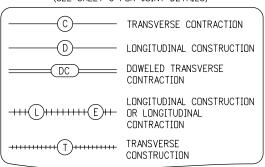
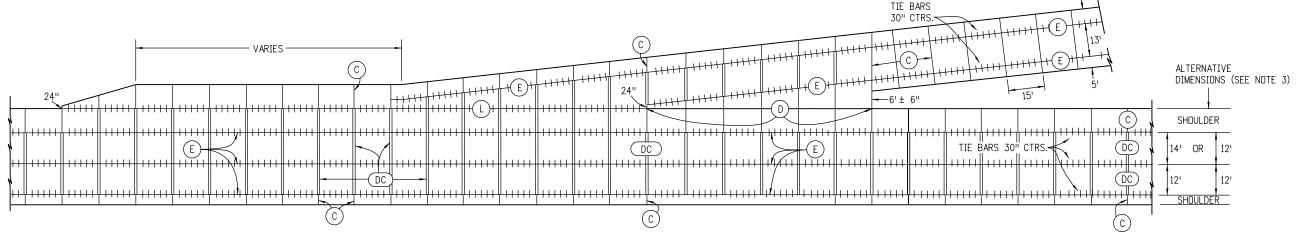


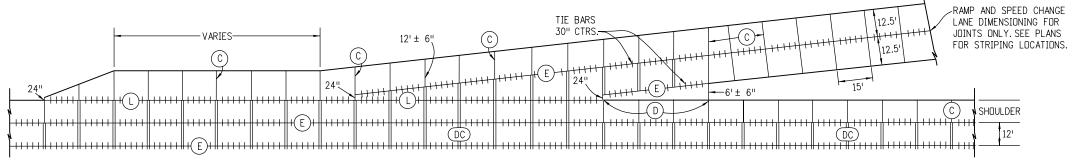
JOINT LEGEND

(SEE SHEET 5 FOR JOINT DETAILS)





MULTI-LANE WITH ACCELERATION AND DECELERATION LANES AND CONCRETE SHOULDERS



OPTIONAL LONGITUDINAL JOINT IN CENTER FOR SINGLE LANE ACCELERATION AND DECELERATION LANE

Computer File Inform	ation	
Creation Date: 07/04/06	Initials: DD	
Last Modification Date: 07/09/09	Initials: LTA	R
Full Path: www.dot.state.co.us/DesignS	upport/	R
Drawing File Name: 412010205.dgn		Œ
CAD Ver.: MicroStation V8 Scale: Not to Scale	Units: English	R

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Colorado [epartment of	Transportation
DOT	4201 East Arkansa Denver, Colorado	s Avenue 80222



4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 Fax: (303) 757-9820

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CONCRETE			
PAVEMENT JOINTS			

STANDARD PLAN NO.
M-412-1

Issued By: Project Development Branch on July 04, 2006

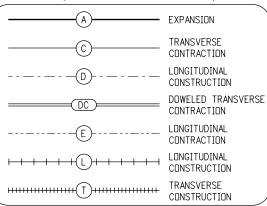
Sheet No. 2 of 5

TYP. OPEN CENTER CLOSED CENTER

CUL-DE-SAC

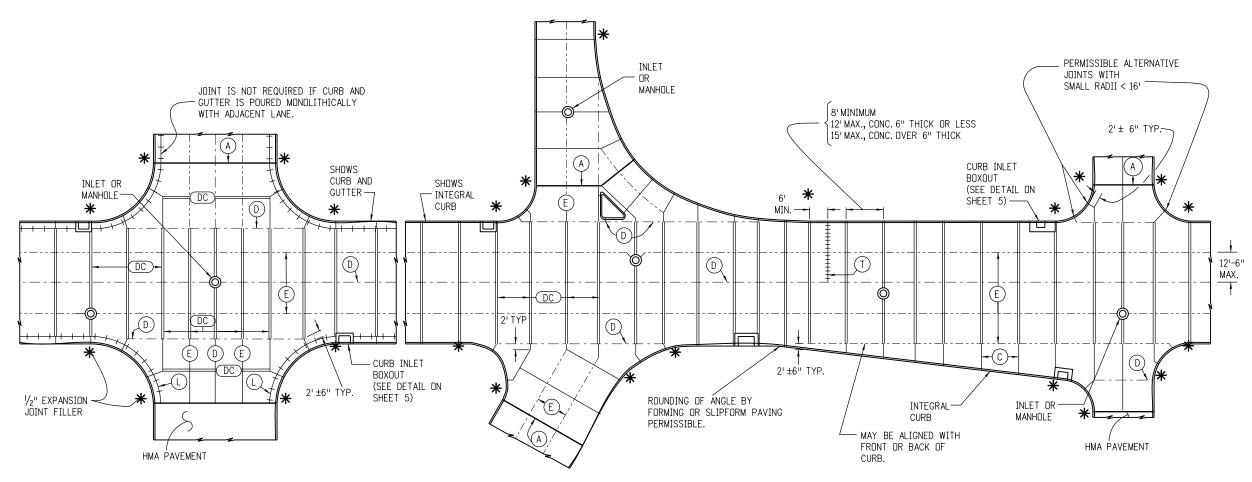
JOINT LEGEND

(SEE SHEET 5 FOR JOINT DETAILS)



NOTES

- 1. LONGITUDINAL JOINTS SHALL BE PLACED ADJACENT TO LANE MARKINGS WHEN POSSIBLE, AND HAVE A MAXIMUM SPACING OF 12 FT.-6 IN. (15 FT. IS PERMITTED WITH MONOLITHIC CURB AND GUTTER).
- 2. CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE CENTERLINE OF PAVEMENT AND EXTEND THROUGH THE CURB OR CURB AND GUTTER.
- * 3. PLACE 1/2 IN. MIN. EXPANSION JOINT FILLER IN TOP 6 IN. OF CURB JOINT AT INTERSECTION RETURN RADIUS POINTS.
- 4. THE CONTRACTOR SHALL, UNLESS OTHERWISE SHOWN ON THE PLANS, SELECT AND USE A BOND BREAKER AT INLETS, MANHOLES AND SIMILAR SIZE STRUCTURES. SMALLER STRUCTURES SUCH AS VALVE AND MONUMENT BOXES SHALL NOT REQUIRE A BOND BREAKER.
- 5. WHERE A LONGITUDINAL JOINT PASSES LESS THAN 1 FT. FROM A CAST-IN-PAVEMENT MANHOLE OR SIMILAR SIZE STRUCTURE, A TYPICAL 2 FT. RADIAL JOINT, AS SHOWN IN THE DETAILS, SHALL BE USED.
- 6. TRANSVERSE JOINTS SHALL EITHER INTERSECT THE CENTER OF CIRCULAR MANHOLES AND INLETS OR BE AT LEAST 4 FT. AWAY FROM THE EDGE OF CIRCULAR MANHOLES. SEE CURB INLET BOXOUT DETAIL ON SHEET 5.
- 7. LOCATE (T) JOINT AT A (DC) JOINT OR A MINIMUM OF 6 FT. FROM A (DC) JOINT.



TYPICAL CURBED PAVEMENT JOINT LAYOUT

Computer File Information	
Creation Date: 07/04/06 Initials: DD	
Last Modification Date: 07/09/09 Initials: LTA	Œ
Full Path: www.dot.state.co.us/DesignSupport/	G
Drawing File Name: 412010305.dgn	Œ
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	Œ

	Sheet Revisions				
	Date: Comments				
(R-X)	07/09/09	Increased spacing ① from ② from 2 ft. to 6 ft.			
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(R-X)					

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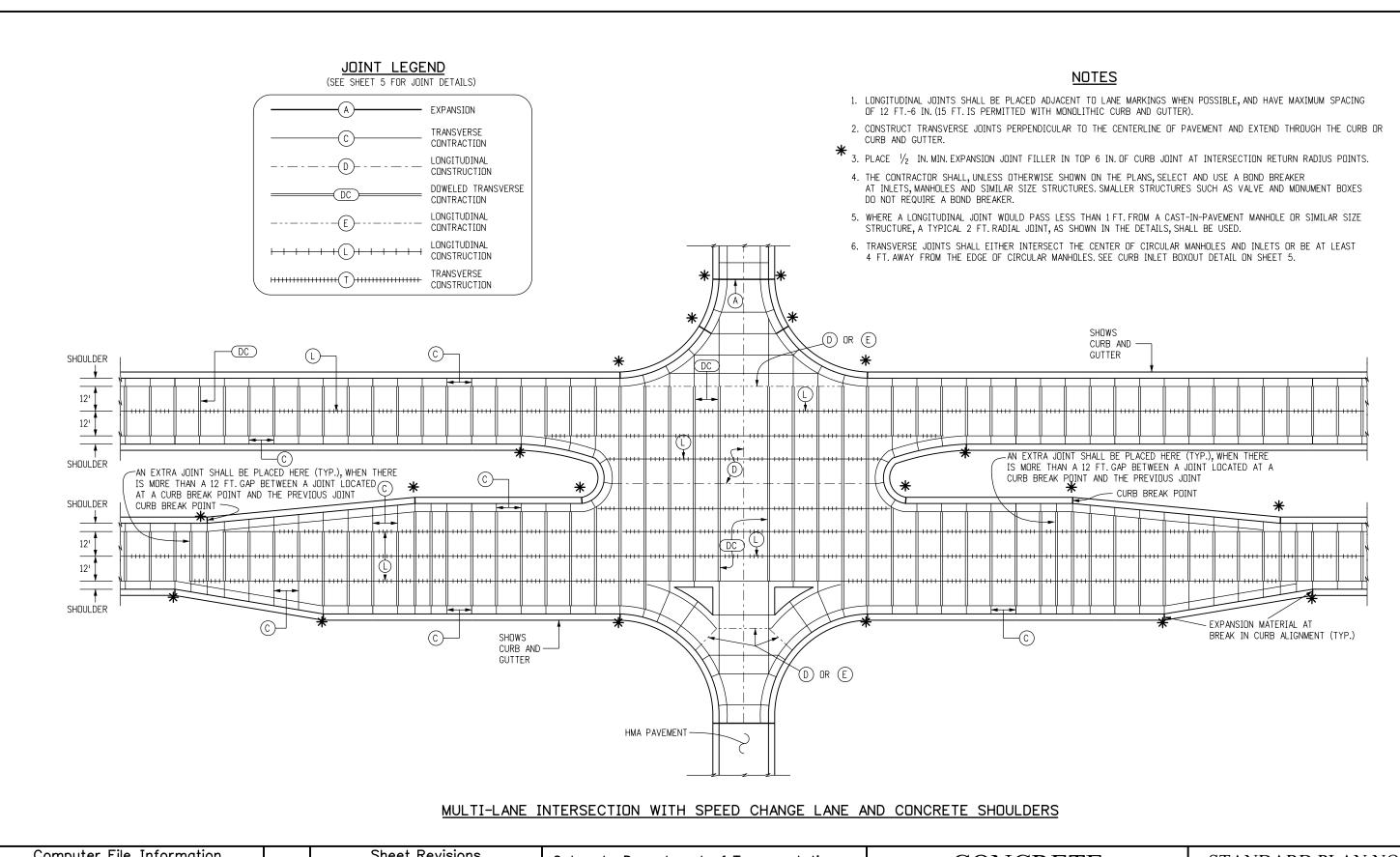
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CONCRETE PAVEMENT JOINTS

STANDARD PLAN NO. M-412-1

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Sheet No. 3 of 5



Creation Date: 07/04/06 Initials: DD	ŀ	Date:	Comments	Colorado Department of Transportation	CONCRETE	STANDARD PLAN NO.
	(R-X)	5 4100		4201 East Arkansas Avenue Denver, Colorado 80222		M-412-1
	$\overline{\mathbb{R}-X}$			Phone: (303) 757-9083 DEPARTMENT OF TRANSPORTATION Fax: (303) 757-9820	PAVEMENT JOINTS	171-412-1
	(R-X) (R-X)			Project Development Branch DD/LTA	Issued By: Project Development Branch on July 04, 2006	Sheet No. 4 of 5
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