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- (18) Use 18 inch long dowel bars with a tolerance of $\pm 1/8$ inch. Ensure the centerlines of individual dowels are parallel to the other dowels in the assembly within ± 1/8 inch
- (19) Wire sizes shown are the minimum required. Use wires with a minimum tensile strength of 50 ksi.
- 20 Details apply to both transverse contraction and expansion joints
- (21) Weld alternately throughout.
- (22) #1/0 gauge (0.306 inch diameter) wire.
- (23) #10 gauge (0.135 inch diameter) wire, welded or friction fit to upper side rail, both sides.
- 24 Measured from the centerline of dowel bar to bottom of lower side rail + 1/4 inch.
- (25) Per lane width, install a minimum of 8 anchor pins evenly spaced (4 per side), to prevent movement of assembly during construction. Anchor assemblies placed on pavement or PCC base with devices approved by the Engineer
- (26) If dowel basket assemblies are required for curbed pavements, the assembly length is based on the jointing layout. See PV-101, sheet 8.
- (30) Ensure dowel basket assembly centerline is within 2 inches of the intended joint location longitudinally and has no more than 1/4 inch horizontal skew from end of basket to end of basket.

DOWEL HEIGHT AND DIAMETER			
T	(DH)24)	Diameter	
7" to 7 <u>1</u> "	3 <u>1</u> "	<u>3</u> " 4	
8" to 9 <u>1</u> "	4 <u>1</u> "	1 <u>1</u> "	
10" to 11 <u>1</u> "	5 <u>1</u> "	1 <u>1</u> "	
12" to 13"	6 <u>1</u> "	1 <u>1</u> "	

SUDAS	lowa Department	REV 2	ISION 10-15-13		
FIGURE 7010.101	STANDARD ROAD PLAN	PV-101			
FIGURE / VIV.IVI	JIANDARD ROAD FLAN	SHEET 6 of 8			
REVISIONS: Added note 30 to clarify assemblies are to be centered on joint, note 31 to account for variable width pavements and drawing on page 8.					
Price D. Wigard Brian Smith					
SUDAS DIRECTOR					
JOINTS					



REVISION

SHEET 7 of 8

10-15-1

