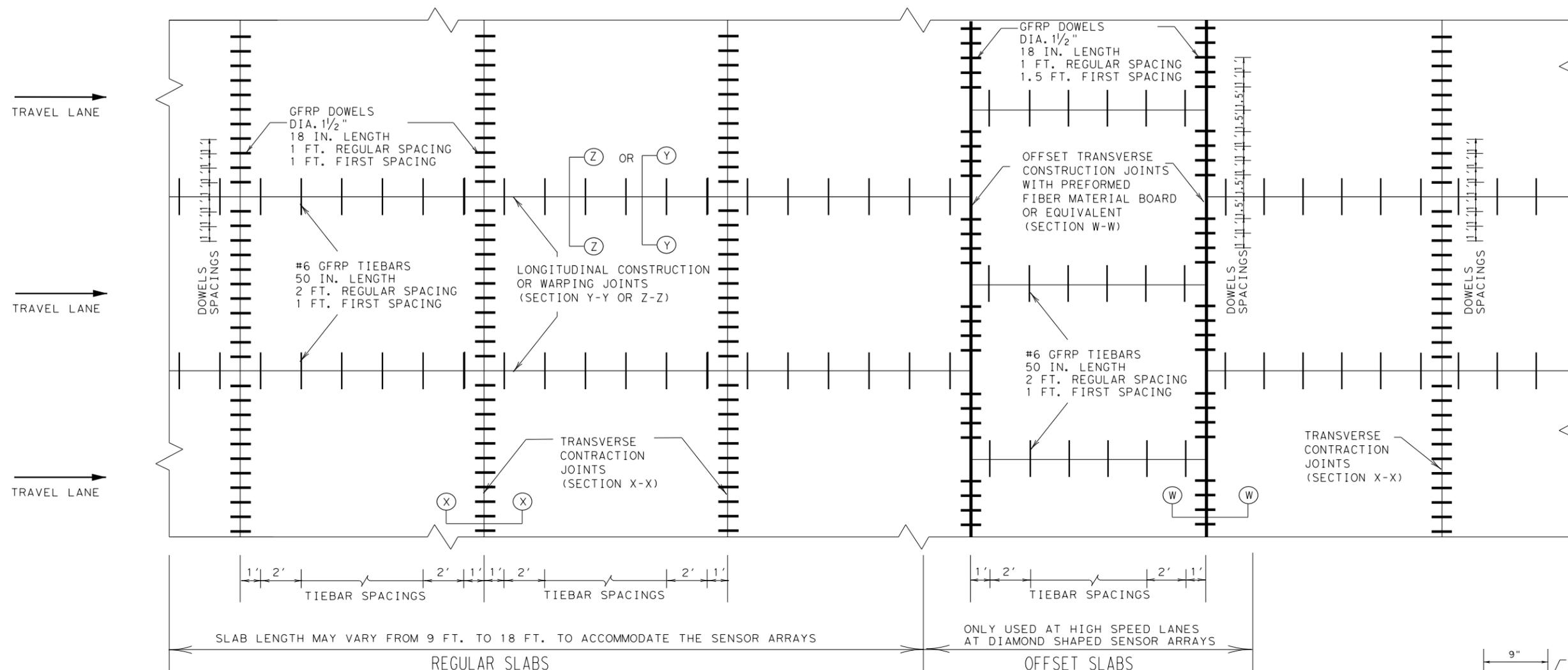


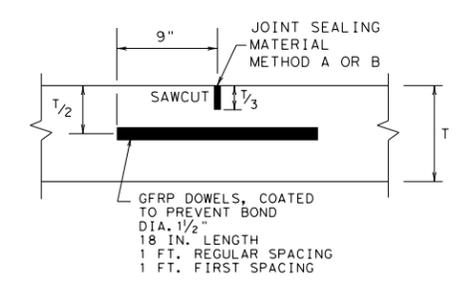
**Texas Department of Transportation  
Technical Provisions**

**SH 183 Managed Lanes Project**

**Attachment 21-2  
Jointed Concrete Pavement Using Glass Fiber  
Reinforced Polymer Bars**

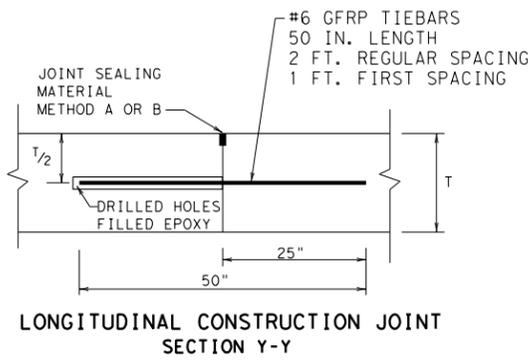


**JOINTED PAVEMENT DETAIL LAYOUT**  
(NOT TO SCALE)

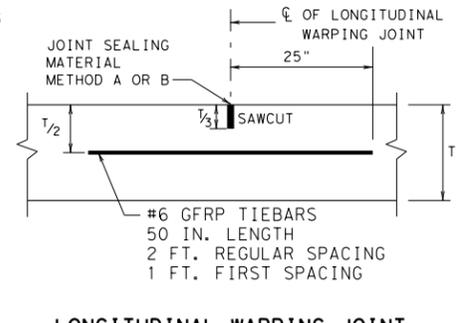


**TRANSVERSE CONTRACTION JOINT SECTION X-X**

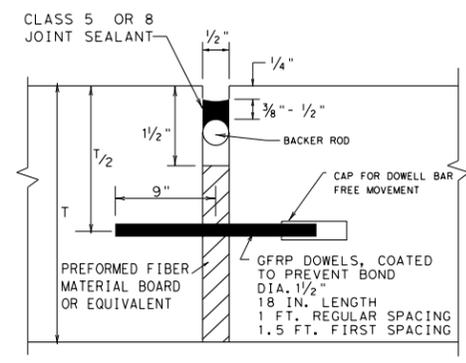
- GENERAL NOTES**
1. THE TERMINAL ANCHOR SLAB DETAILS ARE AS SHOWN ELSEWHERE IN THE PLANS.
  2. DETAILS AS TO PAVEMENT SLAB WIDTH, THICKNESS, AND CROWN CROSS-SLOPE SHALL BE AS SHOWN ELSEWHERE ON THE PLANS.
  3. THE DETAIL FOR THE JOINT SEALANT AND RESERVOIR SHALL BE SHOWN IN CONCRETE PAVEMENT DETAIL, JOINT SEALS STANDARD (JS-94).
  4. FOR FURTHER INFORMATION REGARDING THE PLACEMENT OF CONCRETE AND REINFORCEMENT, REFER TO THE GOVERNING SPECIFICATIONS FOR "CONCRETE PAVEMENT", AND "GFRP REINFORCEMENT."
  5. PAVEMENT WIDTH OF MORE THAN 16' SHALL HAVE A LONGITUDINAL JOINT (SECTION Z-Z OR Y-Y). THESE JOINTS SHALL BE LOCATED WITHIN 6" OF THE LANE LINE UNLESS THE JOINT LOCATION IS SHOWN ELSEWHERE ON THE PLANS.
  6. SAW CUT DEPTH FOR LONGITUDINAL AND TRANSVERSE CONTRACTION JOINTS MAY BE ONE FOURTH THE SLAB THICKNESS WHEN CRUSHED LIMESTONE IS USED AS THE COARSE AGGREGAE.
  7. CONCRETE SLABS WIDER THAN 100' WITHOUT A FREE JOINT, ARE NOT COVERED BY THIS STANDARD.



**LONGITUDINAL CONSTRUCTION JOINT SECTION Y-Y**



**LONGITUDINAL WARPING JOINT SECTION Z-Z**



**OFFSET TRANSVERSE CONSTRUCTION JOINT SECTION W-W**

**Texas Department of Transportation**  
Design Division (Pavement)

**JOINTED CONCRETE PAVEMENT**  
USING GLASS FIBER REINFORCED POLYMER BARS  
T-11 INCHES

**JCPGFRPB-04 (TTA STANDARD)**

© TXDOT JULY 2004	DR: MCW	CR: MCW	DR: HC	CR: HC	REG NO.:
MODIFICATIONS	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT		SHEET
	AUS	6			212A
	COUNTY	CONTROL SECTION	JOB	HIGHWAY	
	WILLIAMSON	0683 06	027	SH 45 LOOP 1	

LEVELS DISPLAYED  
1 3 4 15 16 7 18 19 10 11 12 13 14 15 16  
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

FILE: <JCPGFRPB-04.DGN>