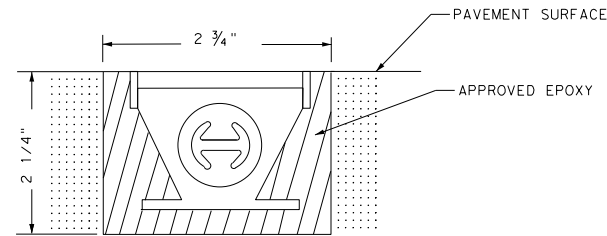


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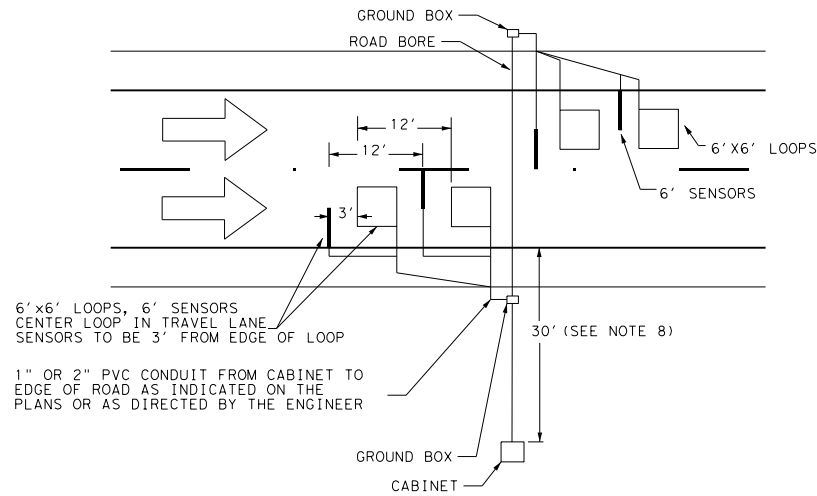
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**TYPICAL CLASS I QUARTZ SENSOR
WEIGH IN MOTION (WIM)**

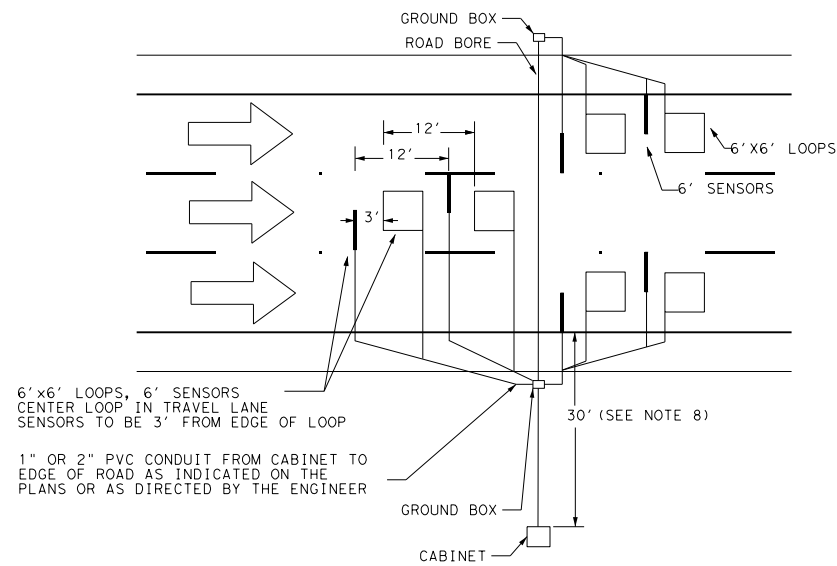
(SEE NOTES
2, 5, AND 6)



**WEIGH IN MOTION (WIM)
TYPICAL CLASS I QUARTZ
SITE EXAMPLE**



**WEIGH IN MOTION (WIM)
TYPICAL CLASS I QUARTZ
MULTIPLE LANE SITE EXAMPLE**



GENERAL NOTES:

1. The pavement cuts are to be made with a concrete saw. Create neat lines and remove loose materials. The cut shall be clean and dry when the wire and sealing compound is placed in the cut.
2. Run wire into ground box and then directly to cabinet with only one splice between loop and cabinet. Sensors will not be spliced at any time. Attach #8 AWG stranded ground wire to each sensor and run directly with nosplices to the cabinet ground bar.
3. All wire, lead in and sensors placed in the saw cut shall be sealed by fully encapsulating it in a sealant acceptable to the Engineer. Sealing compound shall be in accordance with DMS 6340. The sensors and epoxy will be provided by TxDOT.
4. The loop and sensor location, configuration, and number of turns for the loop shall be as indicated on the plans or as directed by the Engineer.
5. A separate saw cut shall be made from each loop to the edge of pavement or as specified by the Engineer. The wire or lead in cable for each pair of Quartz sensors shall be run in the same saw cut as the associated loop. Each loop lead in cable and the associated Quartz sensor pair cable shall be run in their own 1" or 2" PVC conduit from the edge of the roadway to the ground box or as directed by the Engineer. Wires can be consolidated from the ground box to the cabinet. Install two 2" PVC conduits or one 3" PVC conduit at the cabinet unless otherwise directed by Engineer.
6. Typical pavement cut for Class I Quartz Sensor is 6'L X 2 1/4" W X 2 3/4" D.
7. The Class I Quartz Sensor is to be installed as per manual furnished and supervised by TxDOT representative. (TxDOT will provide sensors and epoxy.)
8. Cabinet must be set back 30' from edge of traveled lane unless otherwise directed by Engineer.

		Transportation Planning Programming Division	
TRAFFIC DATA COLLECTION WEIGH-IN-MOTION (WIM)			
TDC(1)-21			
FILE: tdc(1)-21.dgn	DW:	CK:	CK:
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