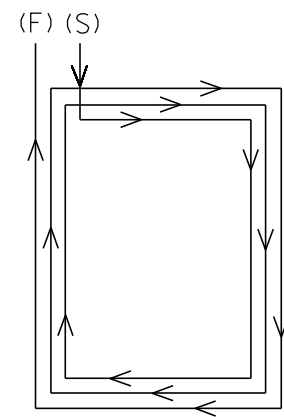


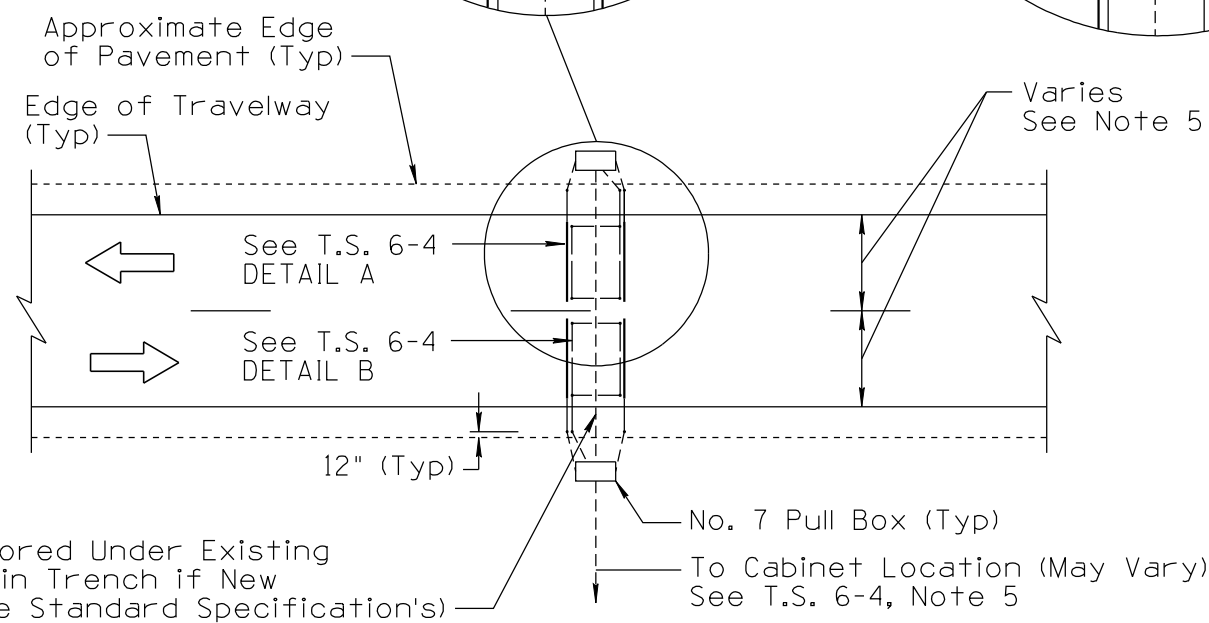
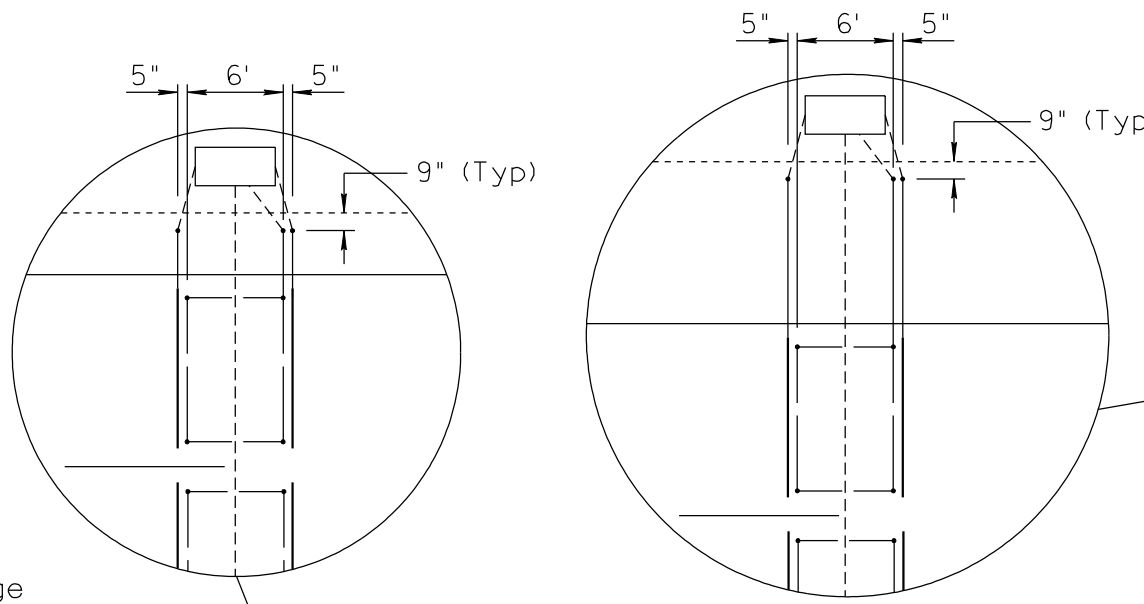
NO	DESCRIPTION OF REVISIONS	DATE	MADE BY
1	2010 EDITION	03/10	C. COLE
2	DIMENSIONS REVISION, ADDED MEDIAN PULL BOX & BLOWUPS, REVISED NOTES 1, 2 AND 3	12/12	L. LOPEZ

**NOTES:**

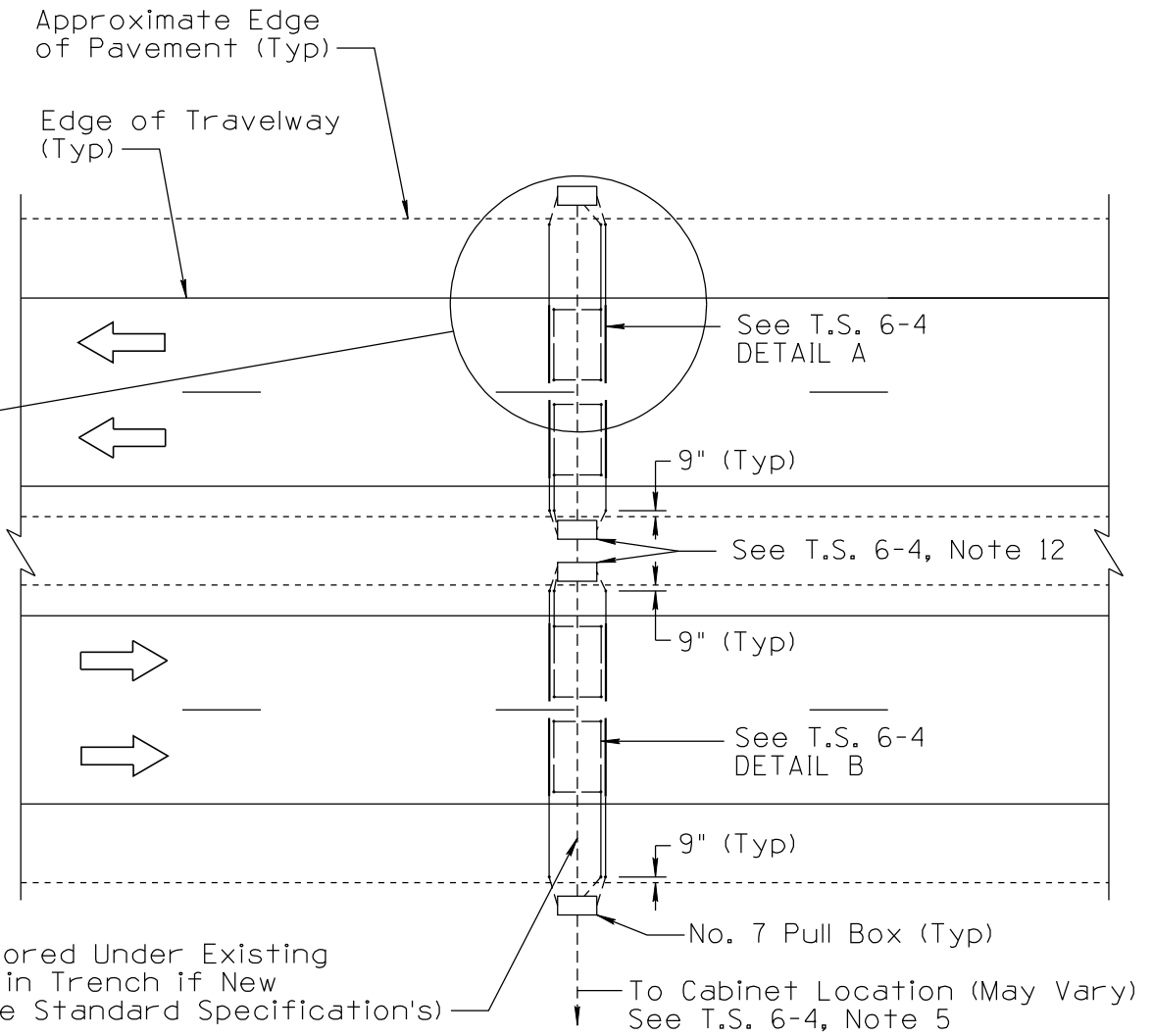
1. Weigh-in-motion systems require one 6-ft x 9-ft loop detector centered between two flat type piezoelectric sensors, with each piezoelectric sensor spaced 5-inches from either side of the 6-ft length of the loop as shown in drawing. Piezoelectric sensors must be parallel to the leading and lagging edge of the loop detector and perpendicular to the roadway with no more than 1-inch variation across the face of the loop or piezoelectric sensors.
2. ADOT will furnish the piezoelectric sensors with pre-attached cable, support brackets and grout. Piezoelectric sensors with cable shall be installed as one complete unit without splices; see T.S. 6-4 Sheet 3 of 5 SECTION C-C. The contractor shall install all components of the Weigh-In-Motion System at the same time. The contractor shall contact the Engineer and the MPD Traffic Monitoring Team, at (602) 712-8598, no less than 15 working days prior to the installation of any piezoelectric sensors. Any piezoelectric sensor installation work performed without full time inspection by the Department's traffic signal technician may not be eligible for payment.
3. On all installations of Weigh-in-Motion Systems, the contractor shall install the loops, peizoelectric sensors with pre-attached lead-in cable and support brackets, and grout in the pavement. The contractor shall also install the controller cabinet, Type A pole, pole foundation and all necessary pull boxes and conduit connections from the cabinet to the pull box(es) and from the edge of pavement to the pull box(es), unless otherwise indicated on the project plans.
4. Unless otherwise indicated on the project plans or by the Resident Engineer, the piezoelectric sensors and loops shall be installed in the final surface course.
5. See T.S. 6-7 for cabinet placement and installation details.



**WINDING DIAGRAM**  
(For 3 Turns Std)



**WEIGH-IN-MOTION INSTALLATION**  
(Undivided Highway)



**WEIGH-IN-MOTION INSTALLATION**  
(Divided Highway)

NOT TO SCALE

DESIGN APPROVED	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS AND LIGHTING STANDARD DRAWINGS	REVISION	12/12
<b>SIGNATURE</b>		DRAWING NO.	T.S. 6-3
APPROVED FOR DISTRIBUTION	PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT	SHEET NO.	1 OF 1
<b>ON FILE</b>			