NOTICE
1. See Standard Plan J-40.23 for Pezzo axle sensor General Installation Instructions, and Modified Type 3 Loop wiring details.
2. The contractor shall notify the Statewide Travel and Collision Data Office (STCDO) (formerly TDO) a minimum of five working days prior to the scheduled installation. An inspector from the WSDOT STCDO shall be on site for all phases of installation.
3. The loops included in two lanes within the same lane shall be within 20 feet of each other; all piezo sensor readings shall be GDL from shield to center conductor. See piezo specifications for piezo capacitance readings.
4. The loops and shoulder sensors shall be set in the final lift of asphalt after lane striping is completed. All PIR loops shall be installed 2'6" to 3'6" leading edge to leading edge.
5. For concrete-paved lanes with asphalt shoulders, install all of the piezo sensors and splice in the concrete lane. Also, for concrete lanes, install the loops 4' and 5' away from the expansion joints.
6. The shoulder notch length along the roadway shall be 4' or the conduit diameter plus 2' or whichever is larger. The shoulder notch width perpendicular to the roadway shall be the conduit size plus 1'4".
7. After all sensor leads are installed, install an end of the conduit with conduit assist. Use shoulder conduit in lieu of standard conduit.
8. Use Schedule 40 PVC conduit from the Junction box to the Cabinet. Where there are 2 or more lanes, use one 1 1/4" main conduit for each direction of travel. Where there are 3 or more lanes in either direction of travel, use one 2" main conduit in each direction. These are 6 or more lanes in either direction, use one 3" main conduit for each direction.
9. Use Schedule 80 PVC, HDPE, or steel conduit under the roadway. For conduit installation see Standard Specification 3-30.20.6.2.
10. Junction box (installed in the paved shoulder or median) shall be a Heavy Duty Junction box.
11. All conduit leads and sensor leads shall be labeled with colored electrical tape at all Junction Boxes, Pull Boxes, and Cabinets, according to the Color Code Identification Chart for Wire Color Code Detail see Standard Plan J-40.23.
12. Cables may be placed on either side of road depending on terrain/slope, etc. It does not have to be placed on increasing slope sides of the roadway.
13. For 5-lane layouts and above, see Contract.

PERMANENT TRAFFIC RECORDER INSTALLATIONS
STANDARD PLAN J-40.23-00
SHEET 1 OF 6 SHEETS
APPROVED FOR PUBLICATION

Washington State Department of Transportation