NOTES:

1. Type SA
   The layout shall consist of one Pizeo sensor in each lane between two System loops, centered in the lane and spaced at 16 feet center to center.
   Type SB
   The layout shall consist of one System loop centered in the lane between two Pizeo sensors spaced at 16 feet center to center.

Pizeo Sensors must be parallel to the leading edge of the loop detector and perpendicular to the roadway with no more than 1 inch variation across the face of the loop. Each loop shall use stranded copper 
"A" and "B" polyethylene insulated conductor conforming to AWS 5-7, "Traffic Signal Cable". Each loop shall consist of 3 turns of wire and shall be a continuous run from the loop to the pull box. The 2 loop lead-in wires from the loop to the pull box shall be twisted together with a minimum of 2 turns per foot.

2. ADOT will supply the Pizeo sensors with pre-attached cable, support brackets and grout. Pizeo sensor with cable shall be installed as one complete unit without splices. See TIS 6-4 Sheet 3 of 5 SECTION C-10.

3. The contractor shall contact MDOT Traffic Monitoring Section, at (602) 712-5585, no less than 15 working days prior to the installation of the Speed/Vehicle Classification System. The contractor shall install all components of the Speed/Vehicle Classification System at the same time. MDOT Traffic Monitoring Section will have an Engineer available to oversee the installation, and to answer any questions pertaining to the proper installation of the Speed/Vehicle Classification System.

4. On all installations of Speed/Vehicle Classification Systems, the contractor shall install the loops and Pizeo lead-in cable 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 boxes, and from the edge of pavement to the pull boxes, unless otherwise indicated on the project plans.

5. Unless otherwise indicated on the project plans, the Pizeo sensors and loops shall be installed in the pavement immediately below the final surface course. The Pizeo sensors shall be installed a maximum of one inch below the final surface course.

6. See TIS 6-7 for cabinet placement and installation details.