

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

SPECIAL PROVISION

**PROJECT: INSERT PROJECT NO.
INSERT COUNTY COUNTY
P.I. NO. INSERT P.I. NO.**

**SECTION 639 – STRAIN POLES FOR OVERHEAD SIGN AND SIGNAL
ASSEMBLIES**

Retain Sub-Section 639.2 as written and add the following sub-section:

Section 639 - Strain Poles for Overhead Sign and Signal Assemblies

D. Strain Poles for ATMS Applications

Provide poles for supporting CCTV, VDS, and microwave radar detection devices that meet the following design specifications:

- Designed to 80 mph AASHTO wind load requirements
- Limited to a live horizontal deflection at the top equal to or less than 1% of pole height in a 50 mph wind, with a design load of four static cameras and one movable camera.
- Torsional deflection limited to a 1 degree, maximum.

Install mounting brackets, as illustrated on the plans, that are galvanized steel and are compatible with the mounting design of the specified cameras and pan/tilt devices, and are affixed to the pole to prohibit rotation.

Install all wiring internal up to the camera mounting bracket with no external conduit on the pole.

Provide a weatherproof wiring access point or handhole on the pole.