

### **3. Plan-by-Plan Recommendations**

#### **3.1 Interstate 4 Contraflow Plan for Tampa Bay**

The I-4 contraflow plan originates in Tampa at the Interstate 275 (I-275) interchange and provides Tampa Bay area residents with an evacuation route to Orlando. The route extends eastward 63 miles and ends at the SR 417 interchange. A major construction project along the I-4 corridor is widening the highway from four to six lanes.

It is recommended that the I-4 contraflow route be furnished with three HAR systems (at the beginning, in the middle, and at the end of the contraflow section) and two CB Wizard Alert Systems at locations alternating with HAR systems (at one-third and two-thirds of the contraflow section). The CB Wizard Alert System continuously broadcasts a warning message over CB radio to alert approaching commercial vehicle drivers of roadway conditions, road closures, or potential hazards.

The contraflow plan documents should be corrected to show that the termination is a two-lane exit to SR 417 and that there is a crossover. As for ITS devices, the route appears to be sufficiently equipped. There is one camera at the I-275/I-4 interchange that is monitored. This unit will be replaced in an upcoming project that includes the installation of four cameras in that vicinity. District 7 expects the project to be complete by December 2006.

For each CCTV column in the tables presented below, it is assumed that the cost of a CCTV installation will consist of one camera with a controller, an 86-foot pole, and required communication connections. The HAR includes two signs with flashing beacons. The DMS system includes mounting the sign on a span truss. Two-lane crossovers are 36 feet wide and 500 feet long. One-lane crossovers are 20 feet wide and 500 feet long. There are four drop gates and three flip-down signs planned per interchange, following the setup that is typical on Georgia's contraflow routes. The drop gates are installed at the top and bottom of each exit and entrance ramp on the contraflow side only. The three flip-down signs are to be installed at one-mile and half-mile intervals, and at the gore of contraflow exits.

Figure 3.1 – Contraflow Plan for I-4 from I-275 to SR 417

