INTELLIGENT TRANSPORTATION SYSTEMS

INCIDENT, EMERGENCY, AND CORRIDOR MANAGEMENT

DISCUSSION ISSUES

Note: Be prepared to answer the following questions.

Question 1.
List the five major components of a comprehensive Incident Management System.

Question 2.
Explain what an incident detection algorithm is and what it does. Determine criteria for the evaluation of the performance of freeway incident detection algorithms.

Question 3.
Investigate and discuss the merits of closed circuit television (CCTV) for incident management.

Question 4.
Discuss ways in which proliferation of new technologies can affect current incident management practices.

Question 5.
List factors that contribute to traffic congestion and suggest congestion alleviation options.

Question 6.
Summarize lessons learned from deployment of ramp metering systems.

Question 7.
Identify types of HOV facilities and HOVdesign elements.

Question 8.
Compare HAR to Changeable Message Signs. Discuss advantages and shortcomings of each.