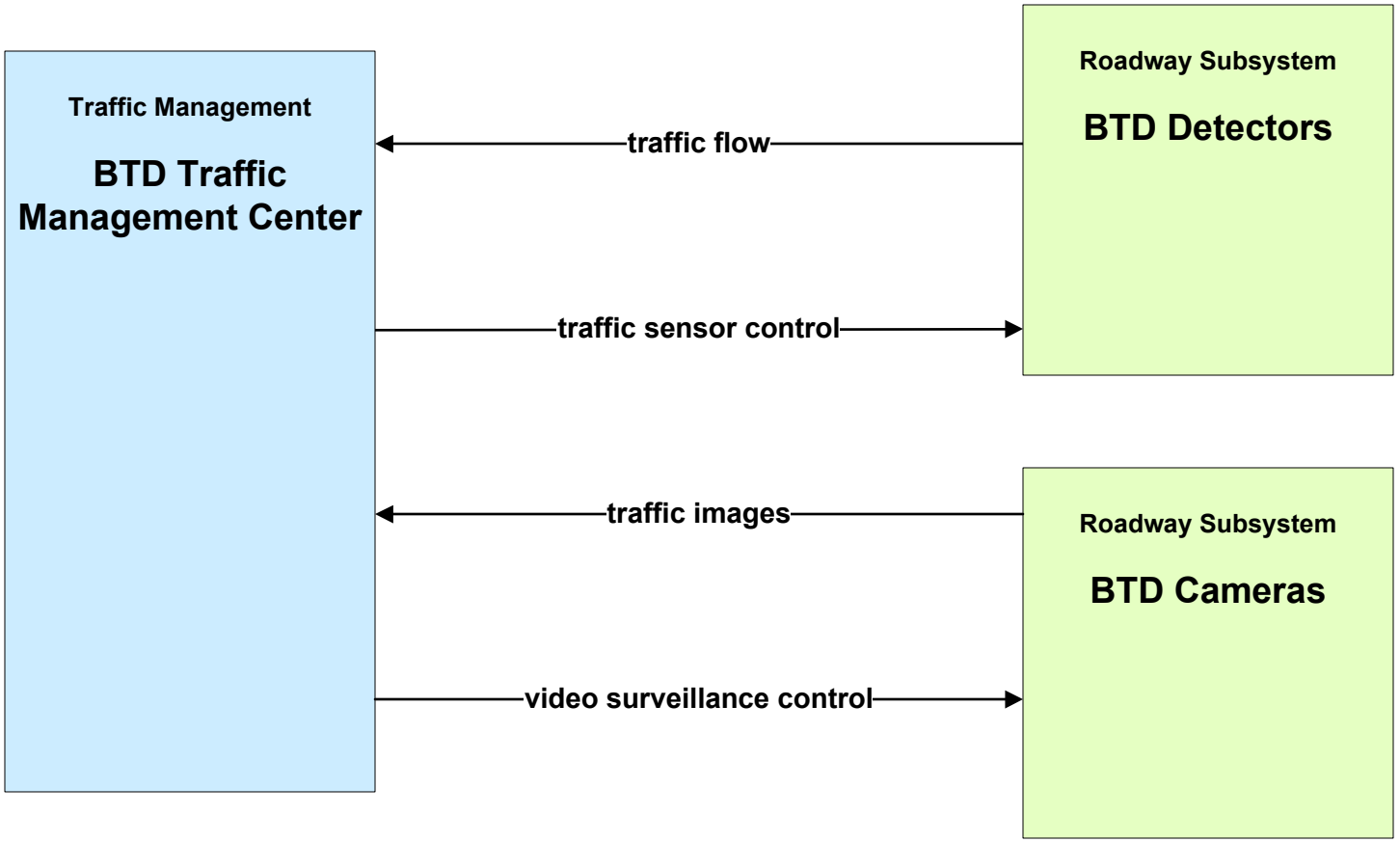
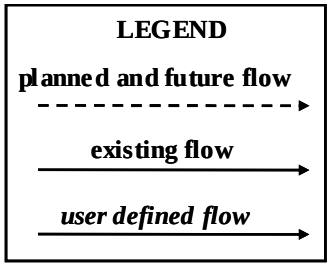
Metropolitan Boston Regional ITS Architecture

Customized Market Package Diagrams

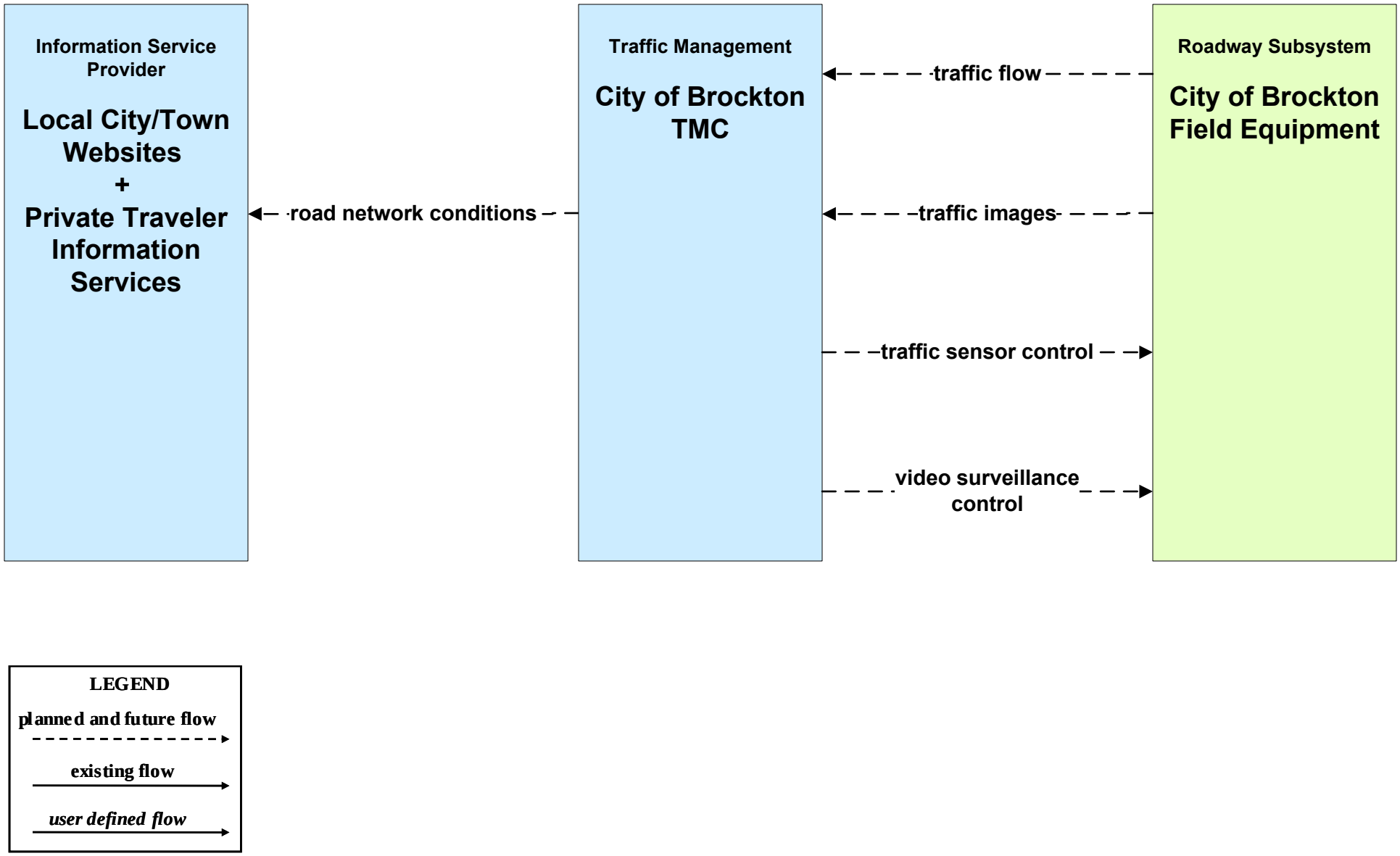
Advanced Traffic Management Systems (ATMS)

ATMS01 - Network Surveillance
Boston Transportation Department

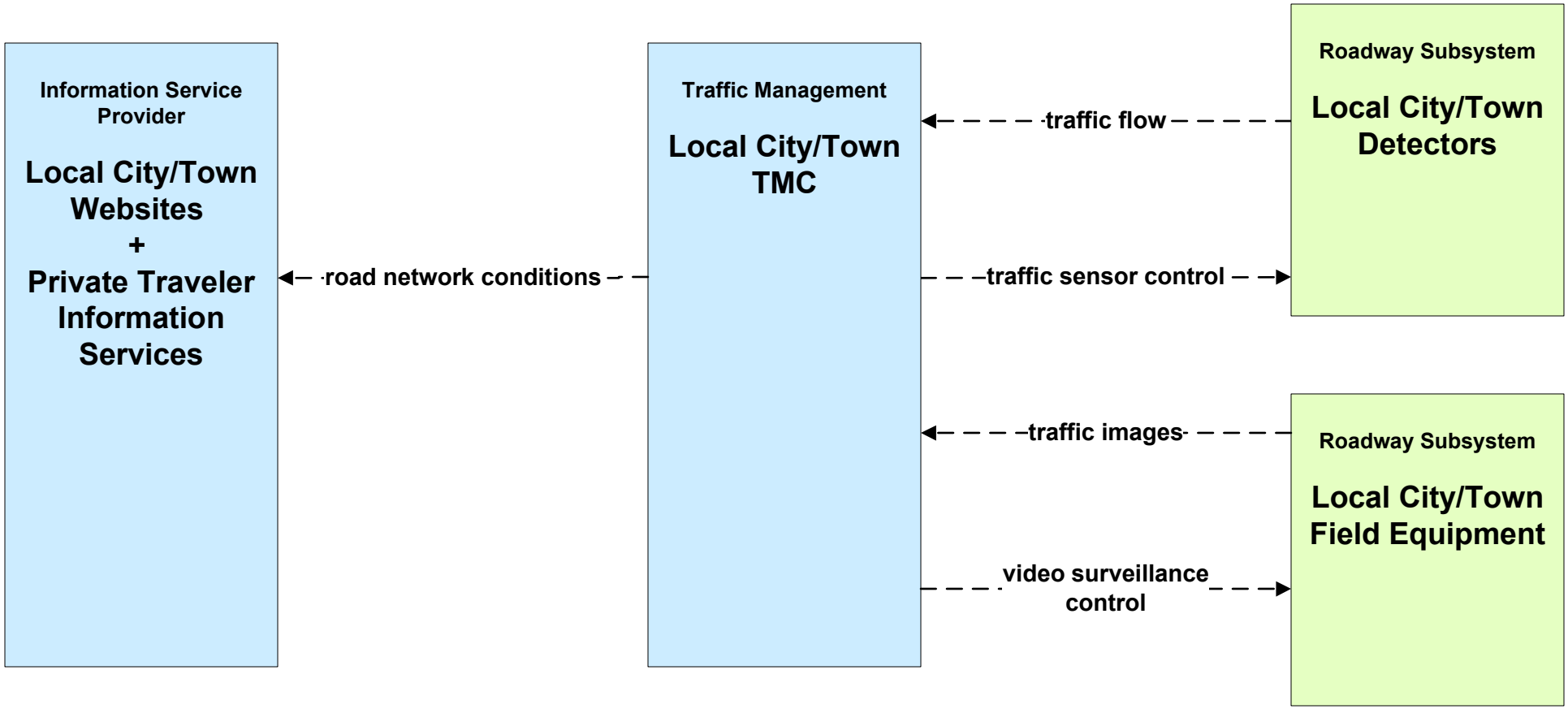


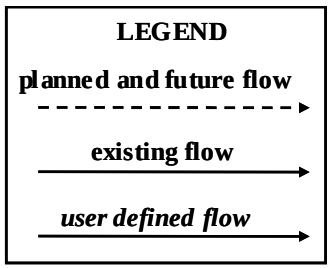


ATMS01 - Network Surveillance
City of Brockton

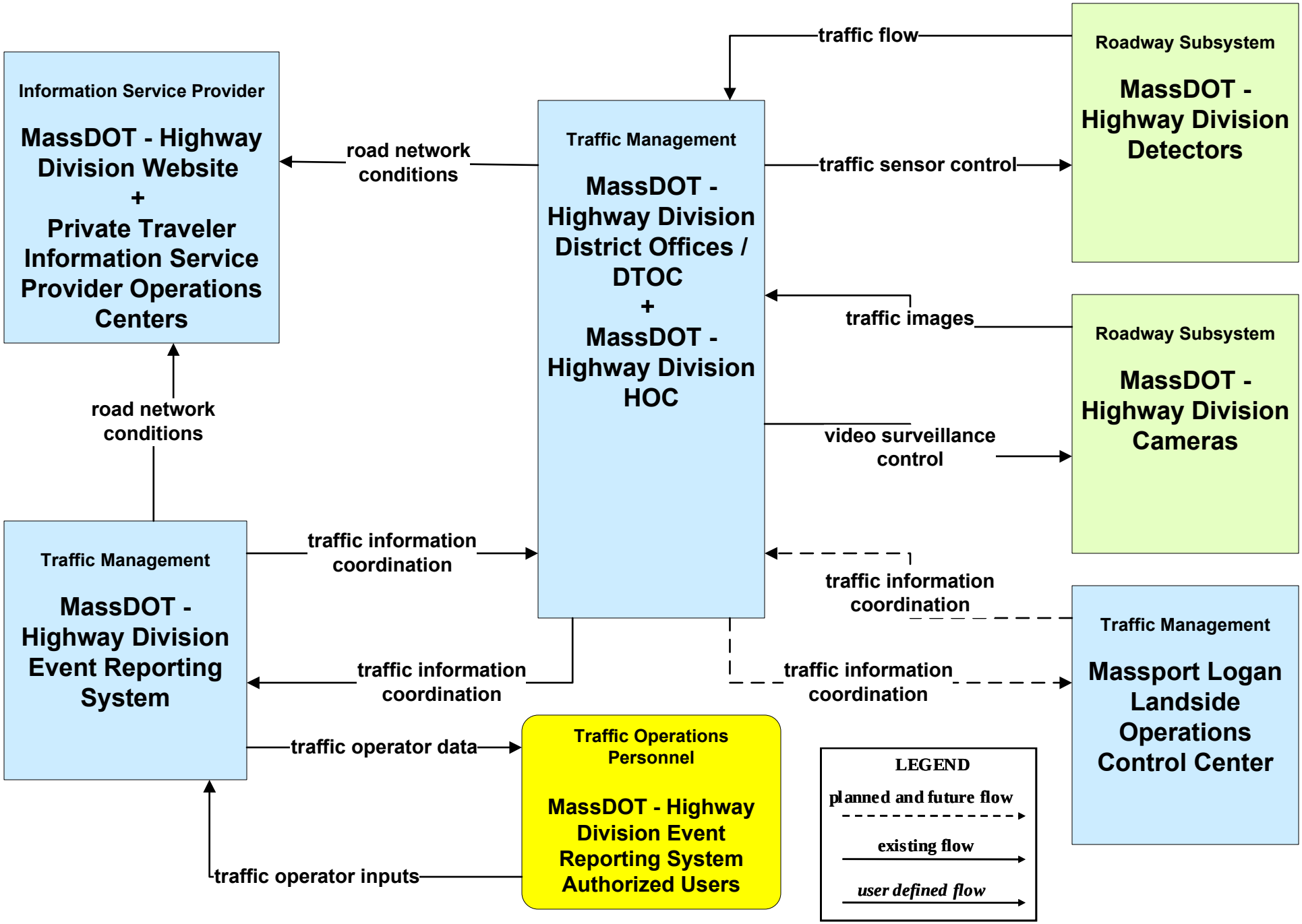


ATMS01 - Network Surveillance
Local Cities/Towns

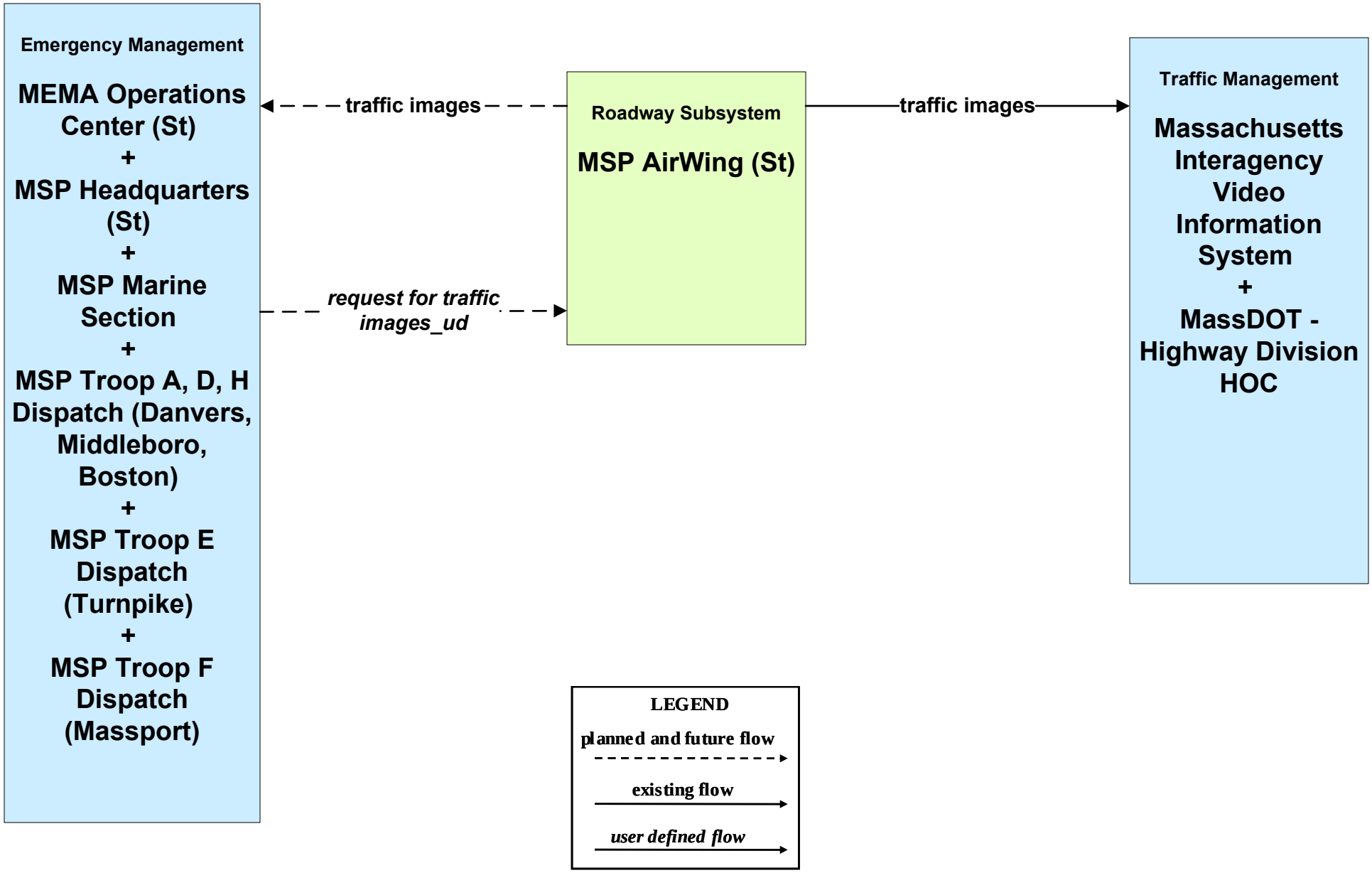




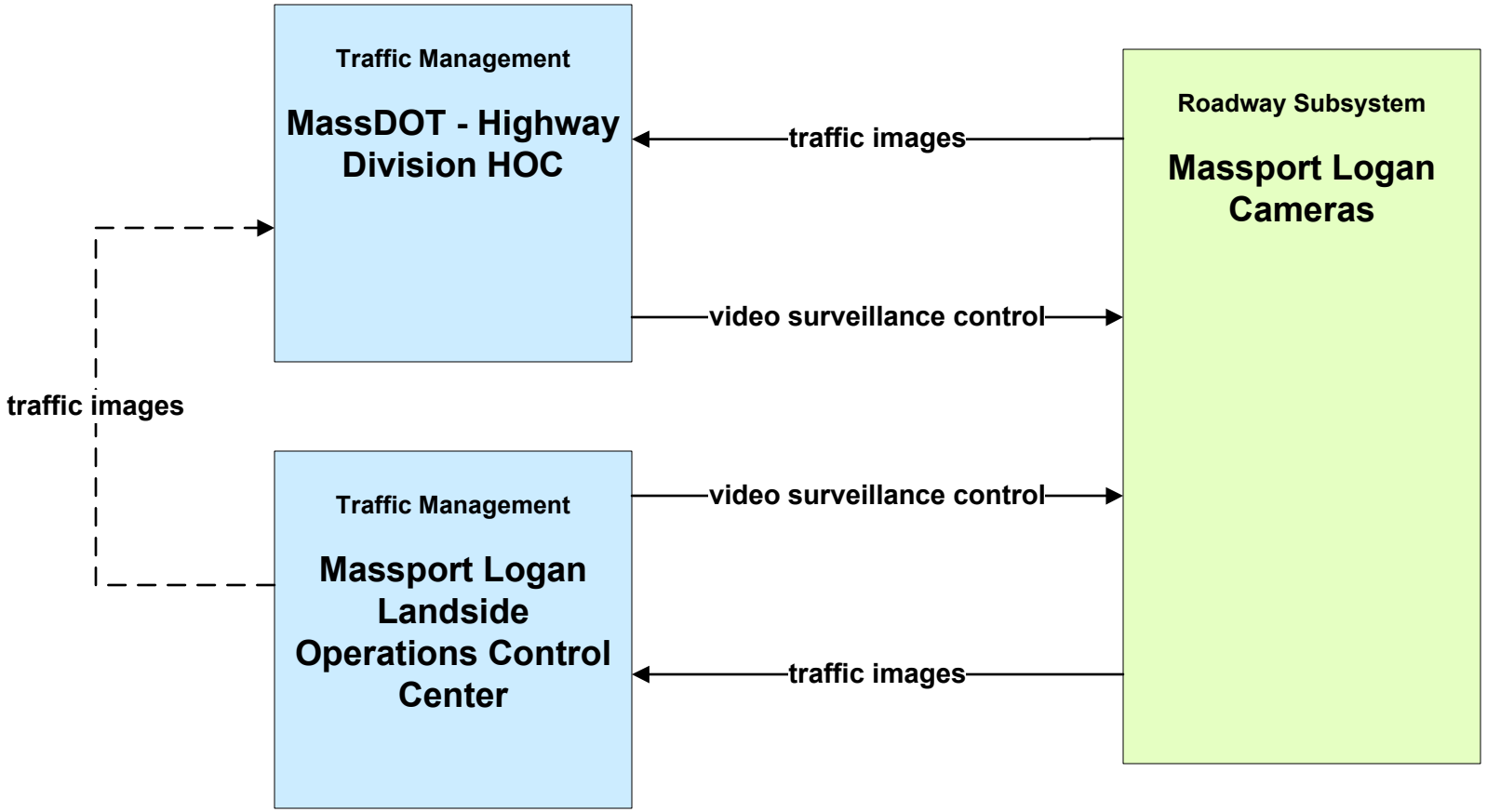
ATMS01 - Network Surveillance
MassDOT - Highway Division

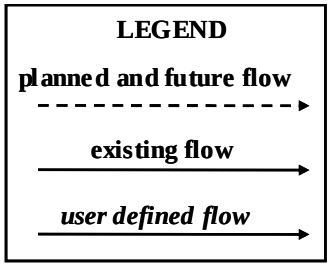


ATMS01 - Network Surveillance
MSP

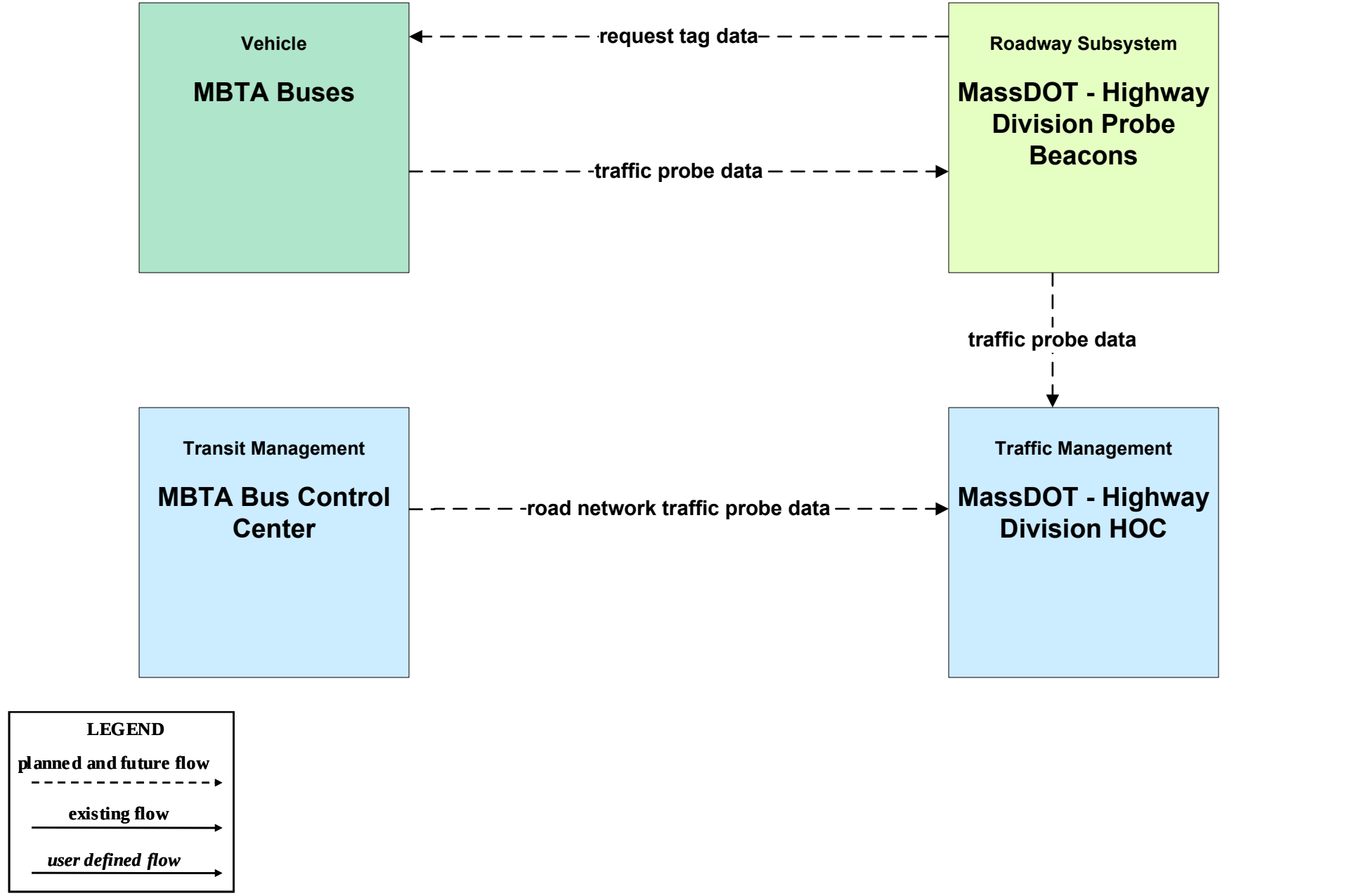


ATMS01 - Network Surveillance
Massport

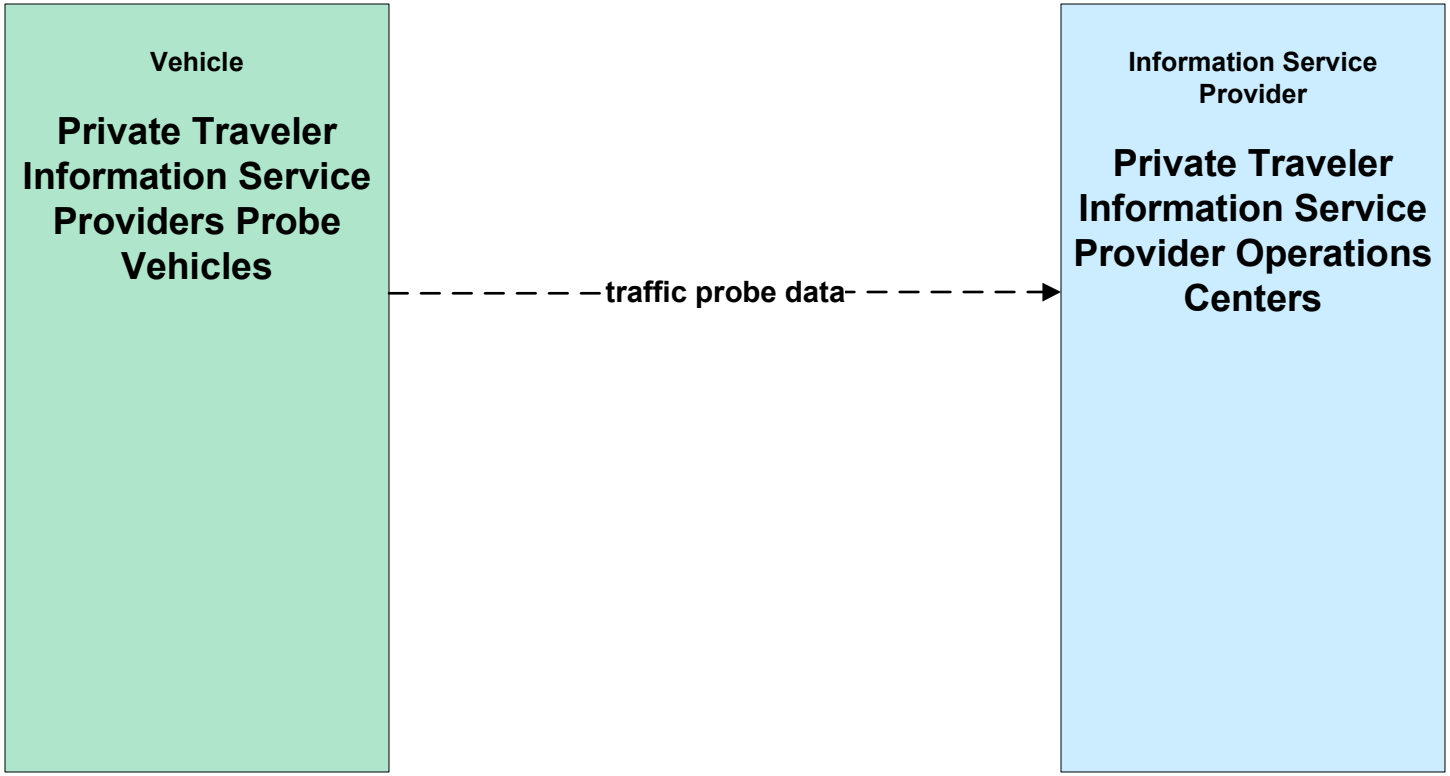


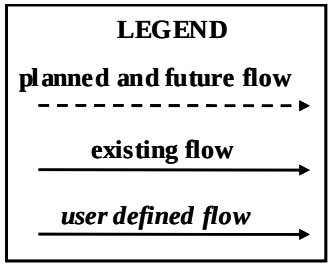


ATMS02 - Probe Surveillance
MassDOT - Highway Division

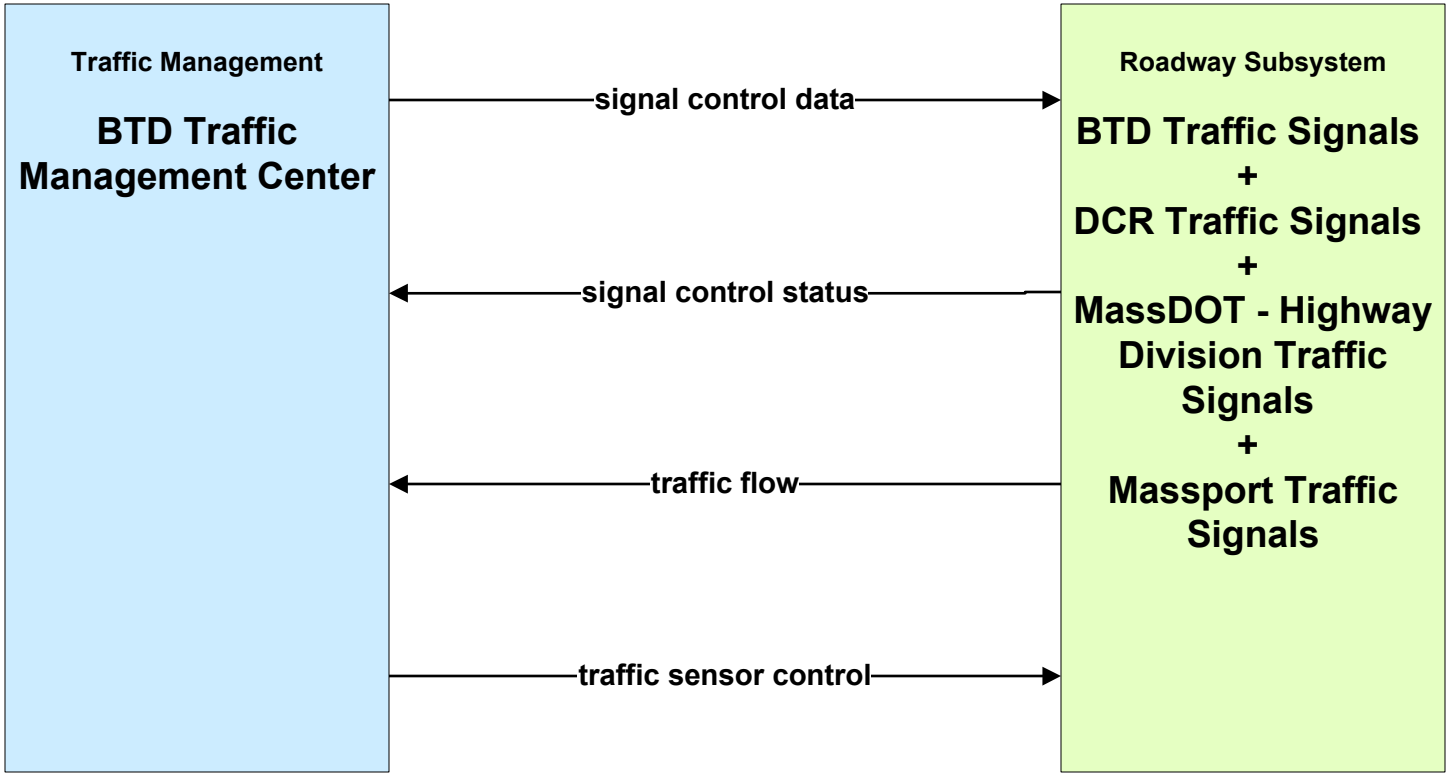


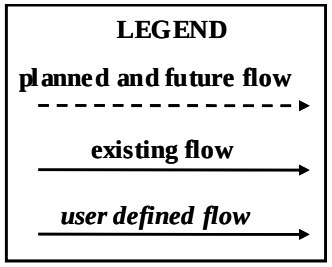
ATMS02 - Probe Surveillance
Private Traveler Information Service Providers



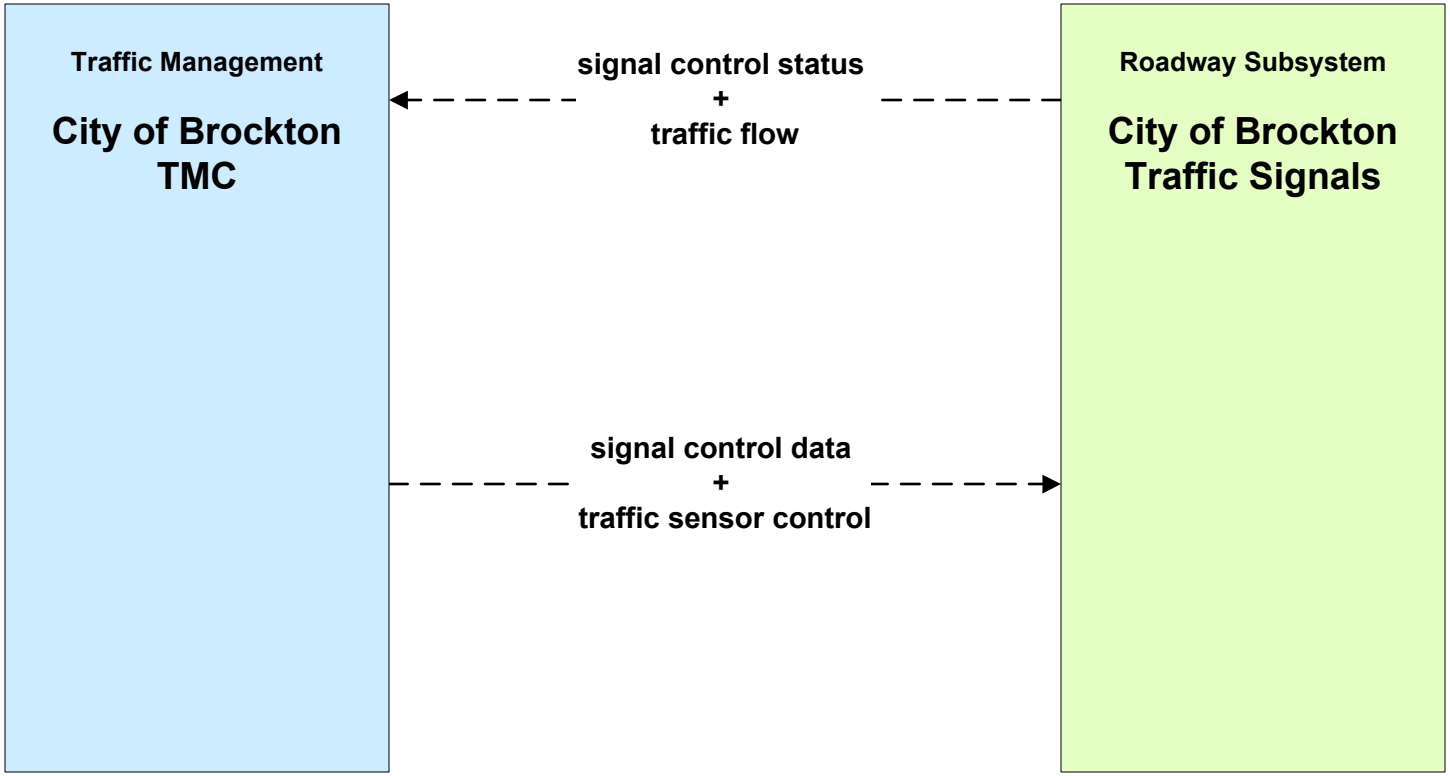


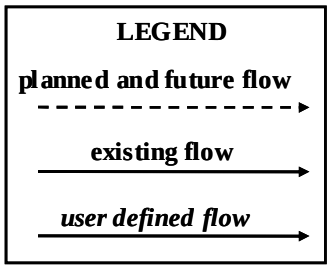
ATMS03 - Surface Street Control
Boston Transportation Department



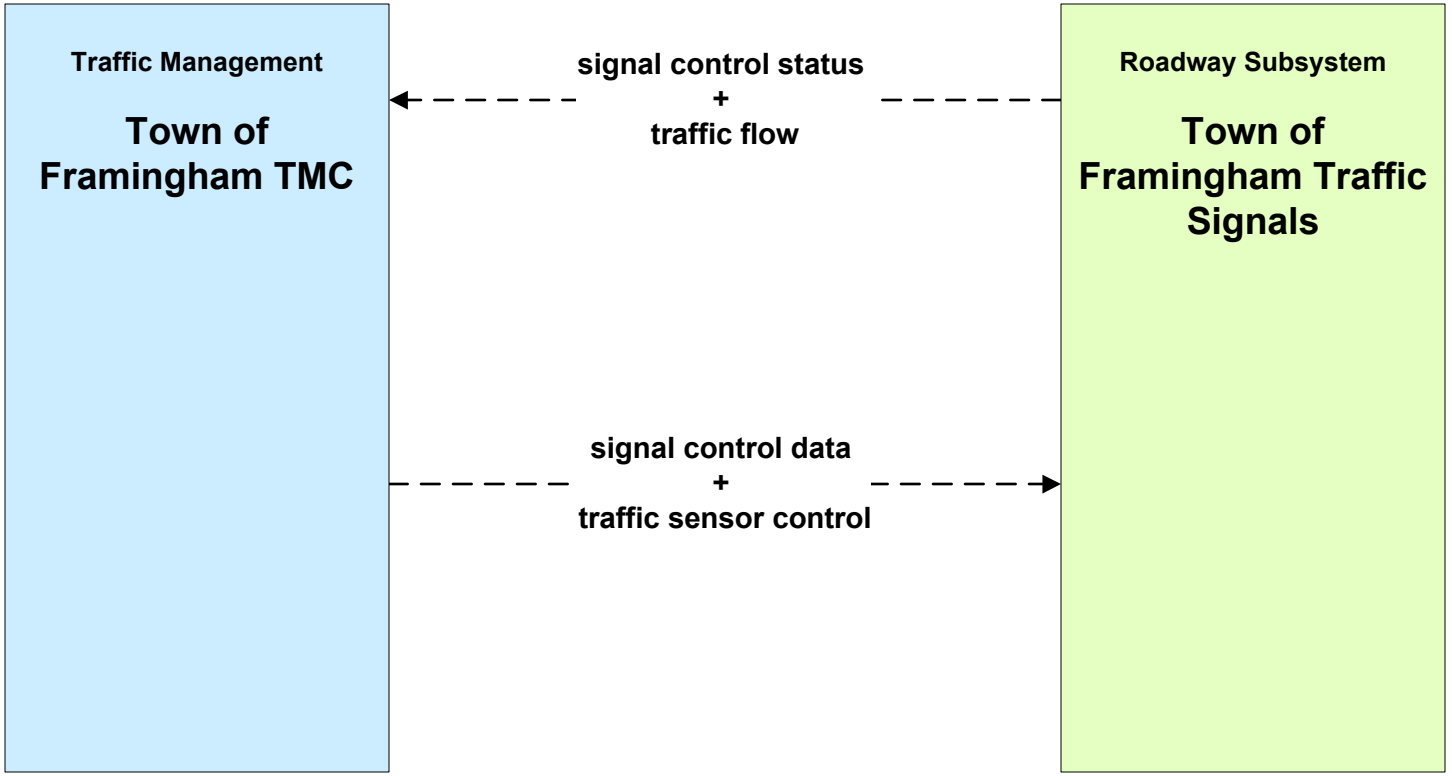


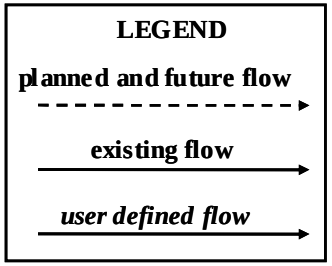
ATMS03 - Surface Street Control
City of Brockton



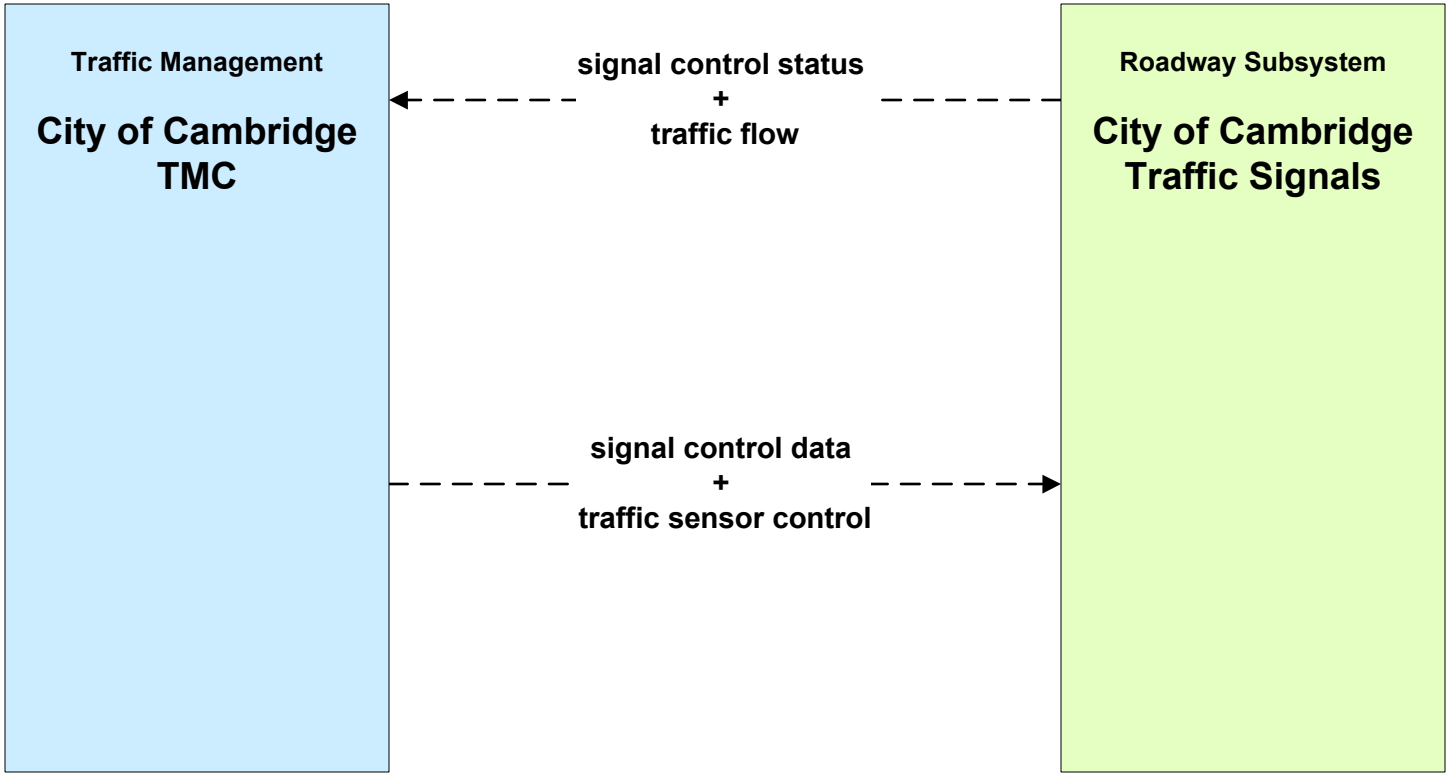


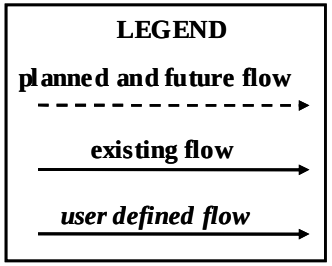
ATMS03 - Surface Street Control
Town of Framingham



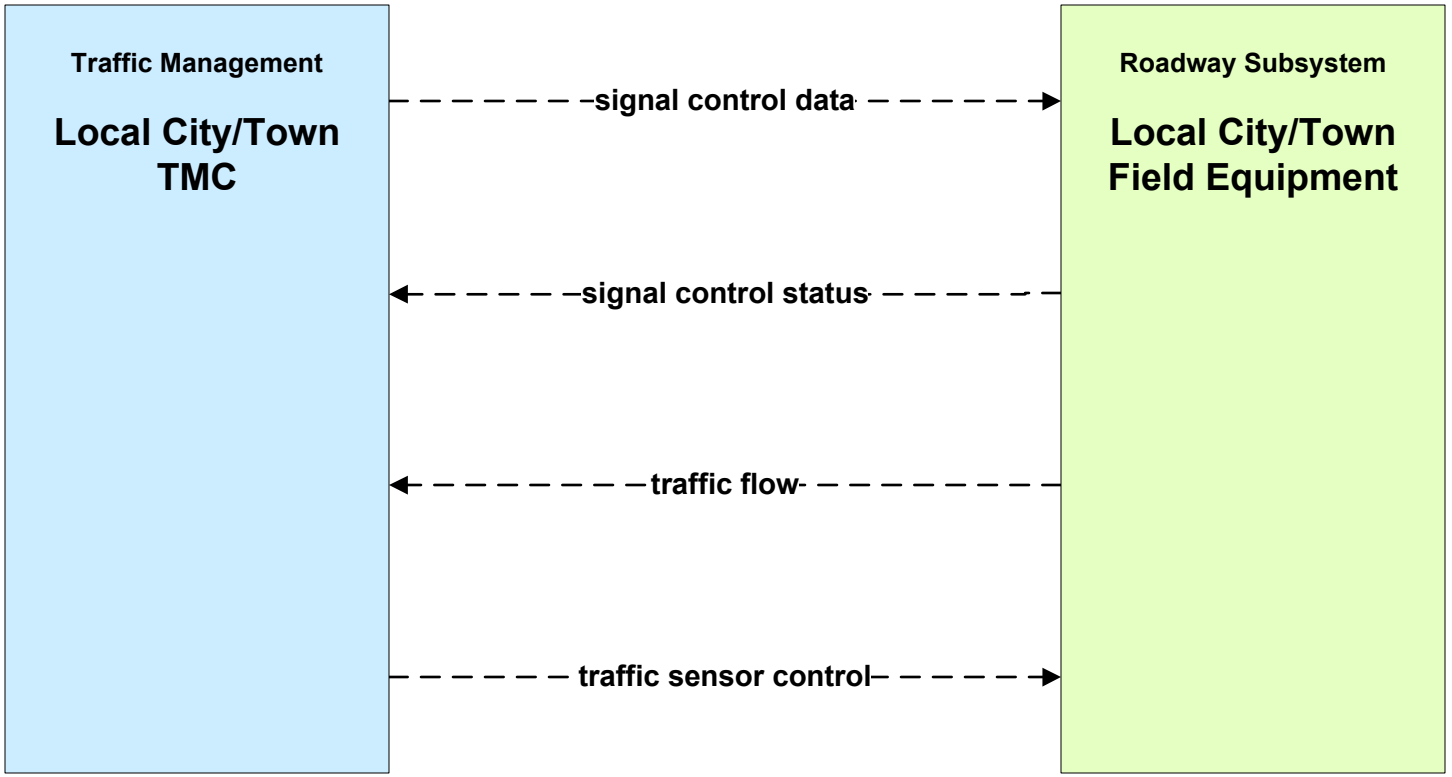


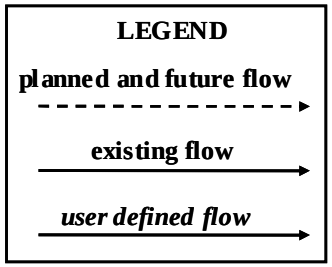
ATMS03 - Surface Street Control
City of Cambridge



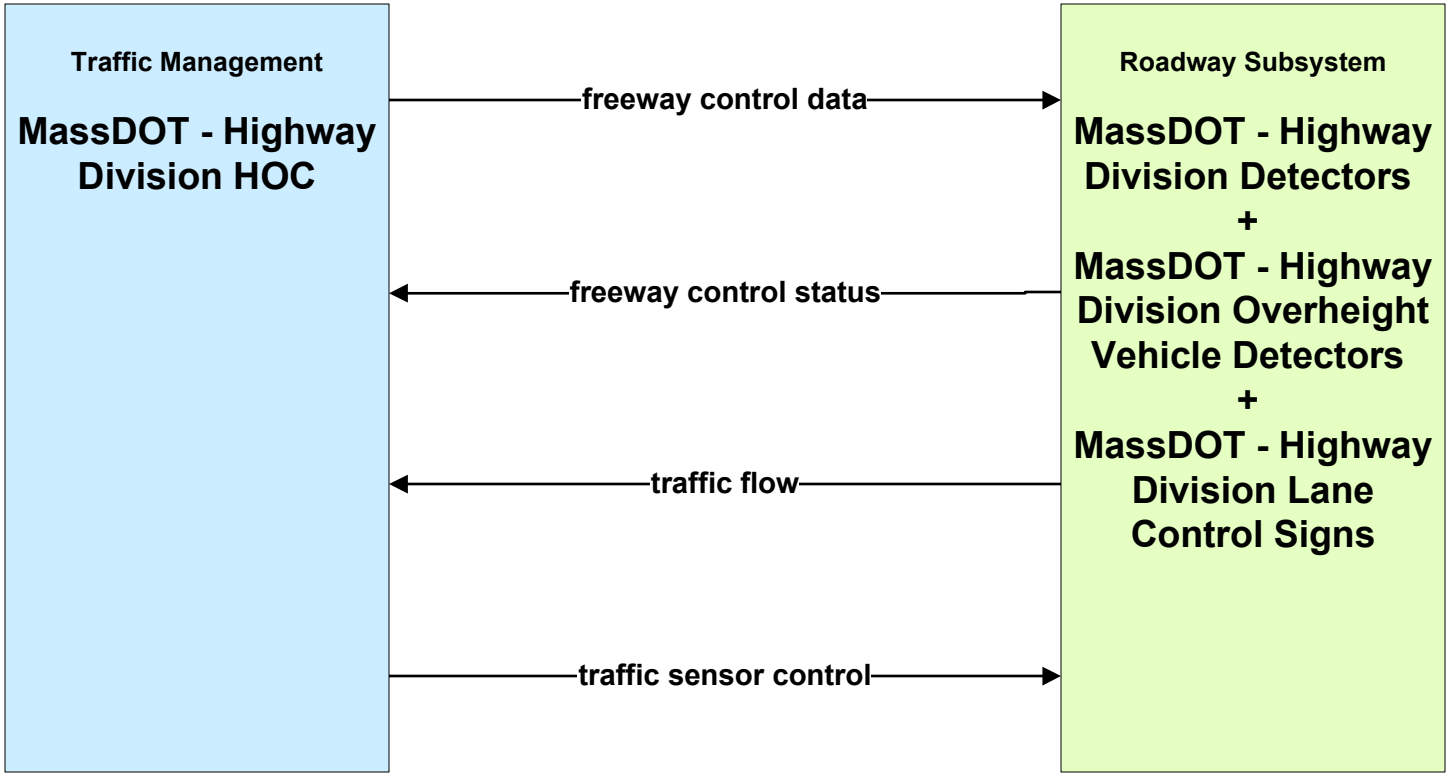


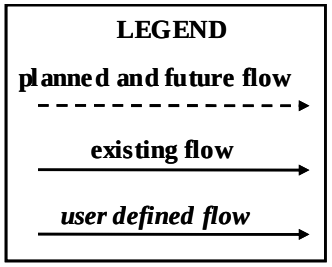
ATMS03 - Surface Street Control
Local Cities/Towns



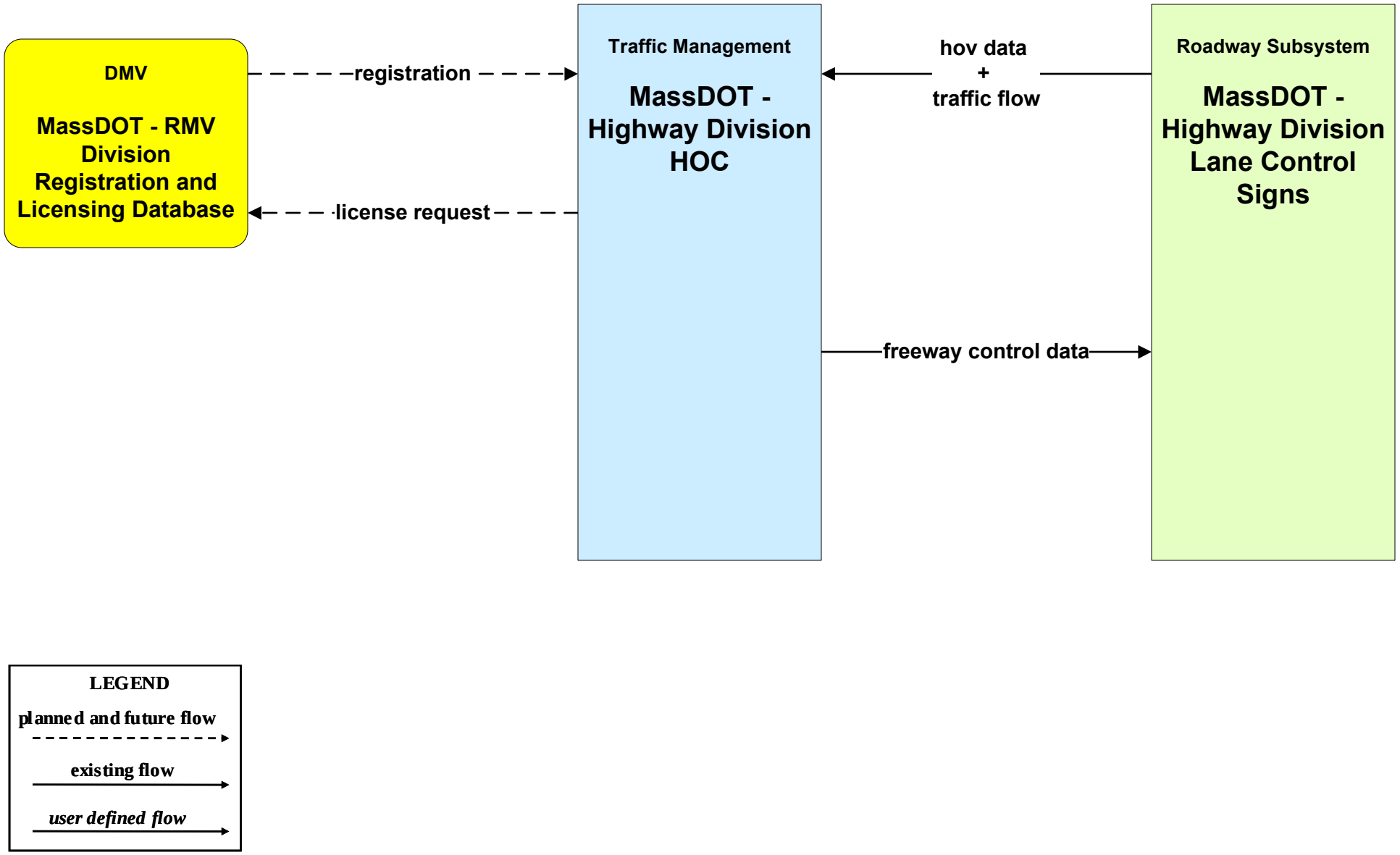


ATMS04 - Freeway Control
MassDOT - Highway Division

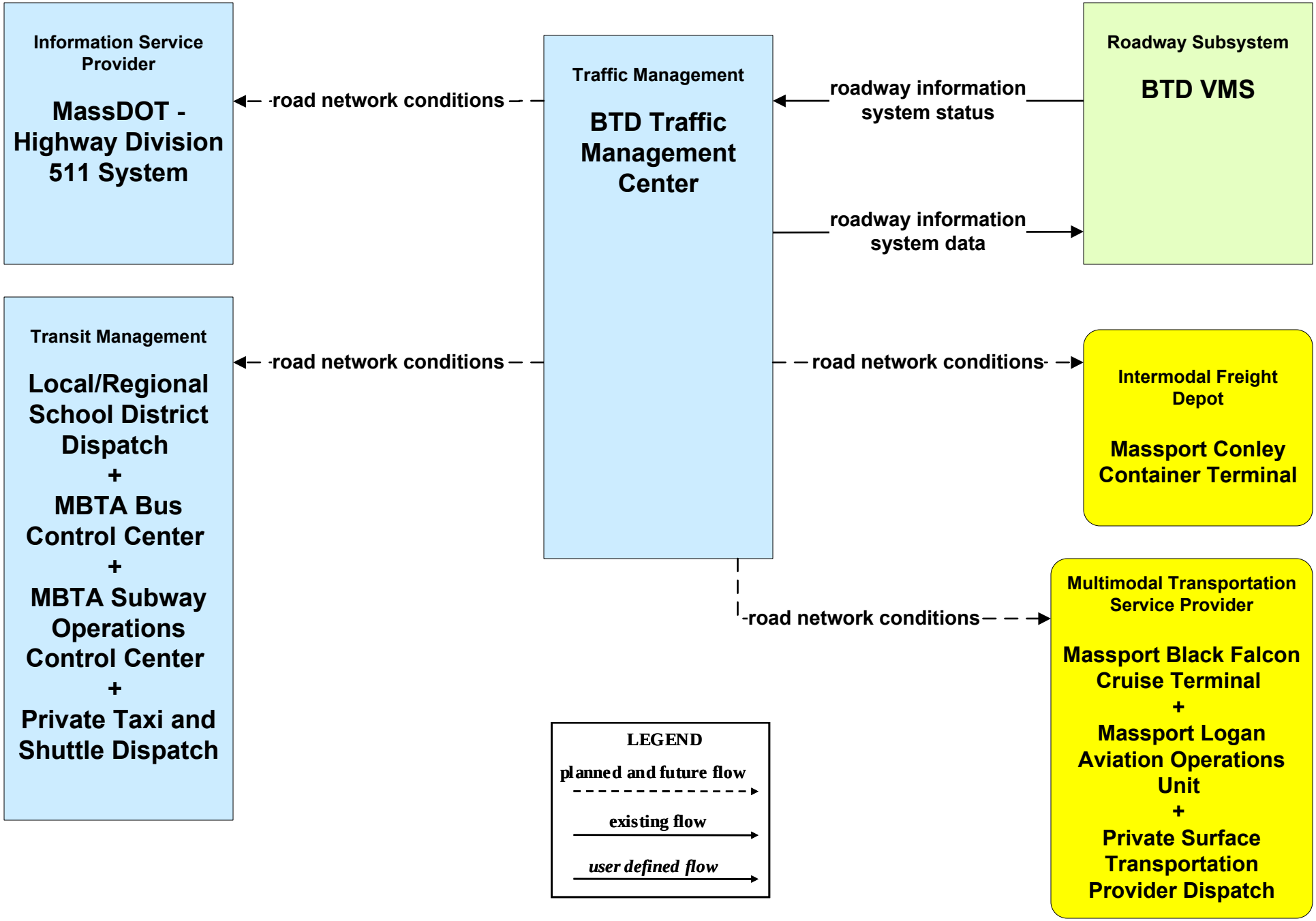




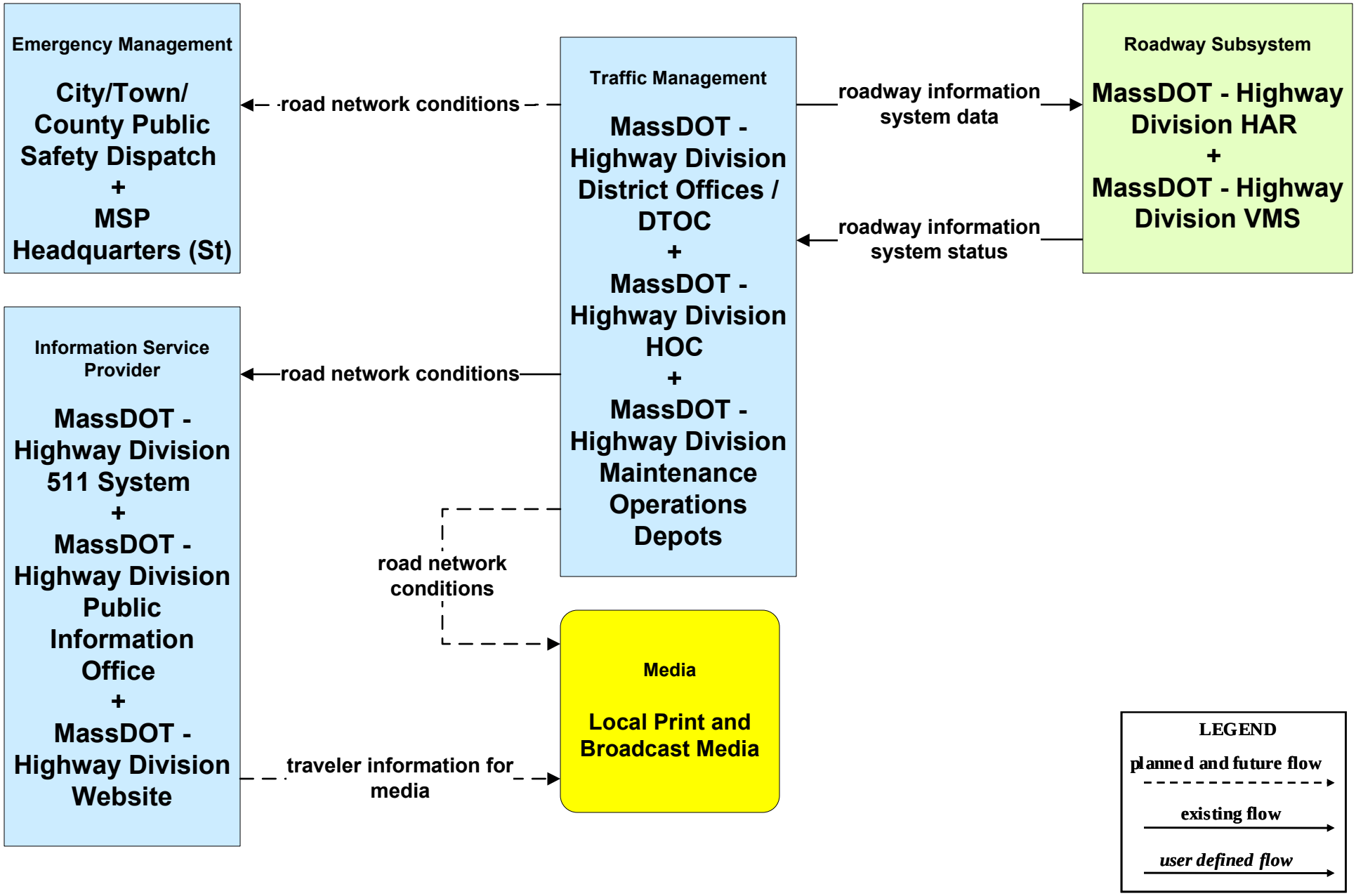
ATMS05 - HOV Lane Management
MassDOT - Highway Division



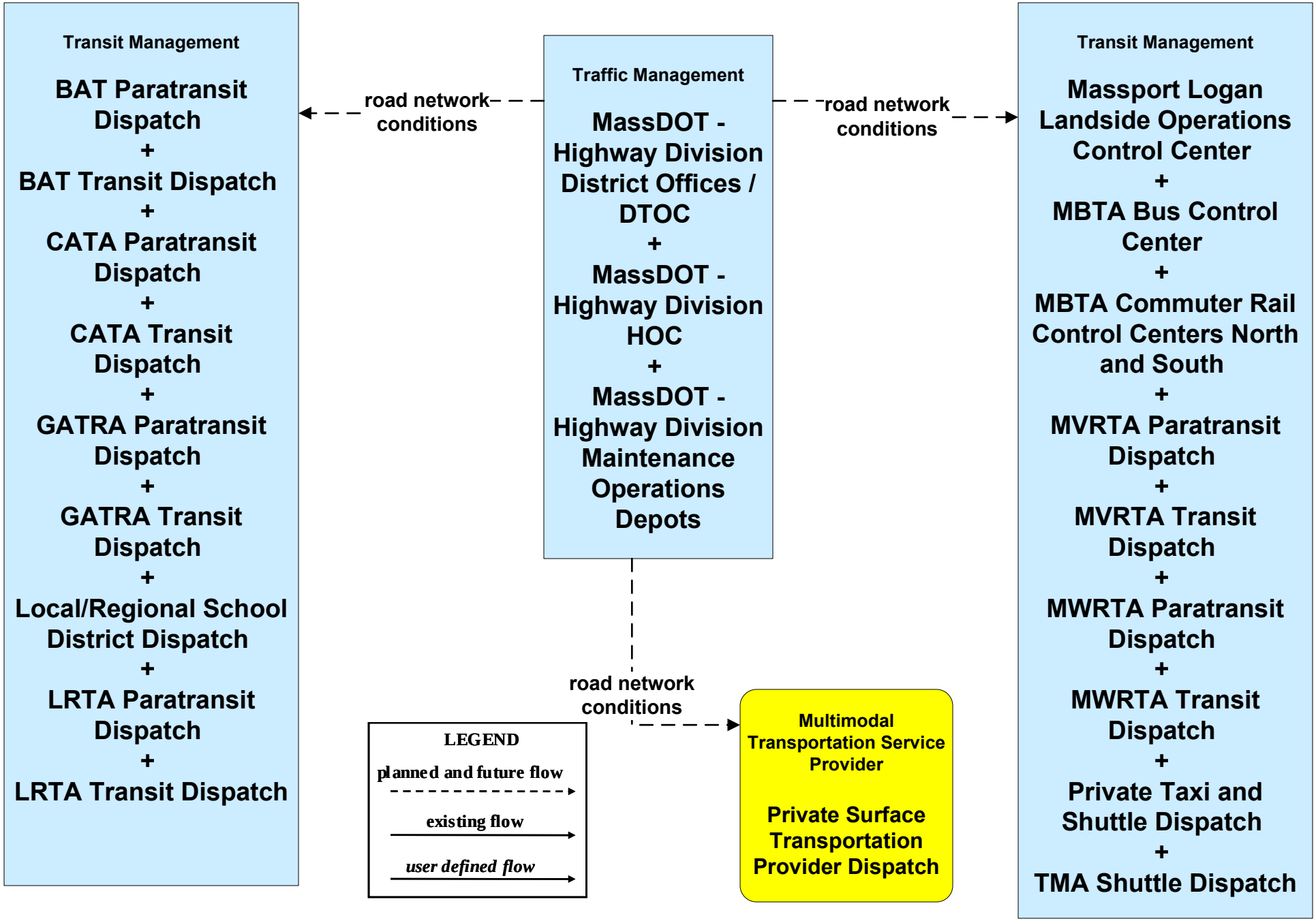
ATMS06 - Traffic Information Dissemination
Boston Transportation Department



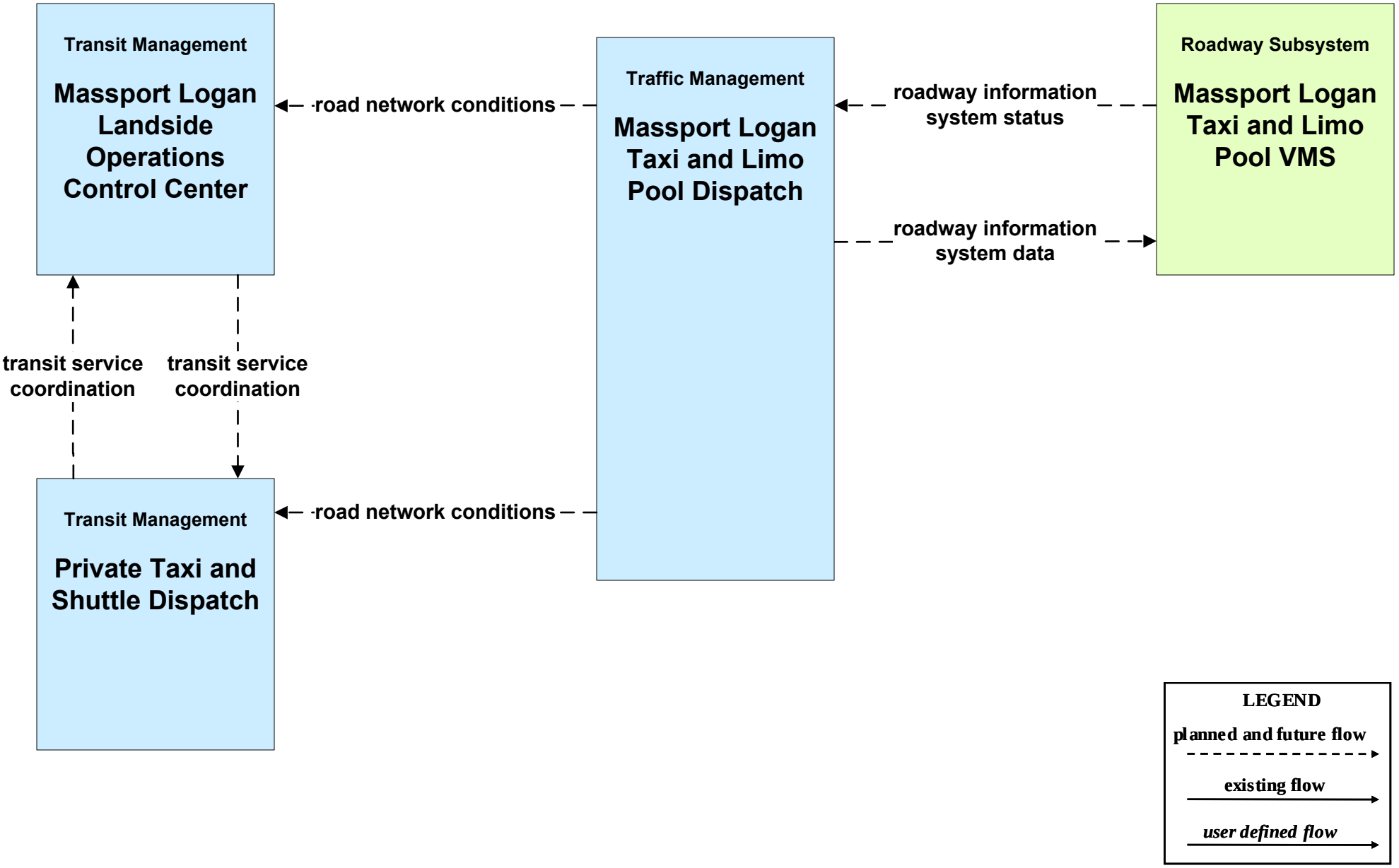
ATMS06 - Traffic Information Dissemination
MassDOT - Highway Division (1 of 2)



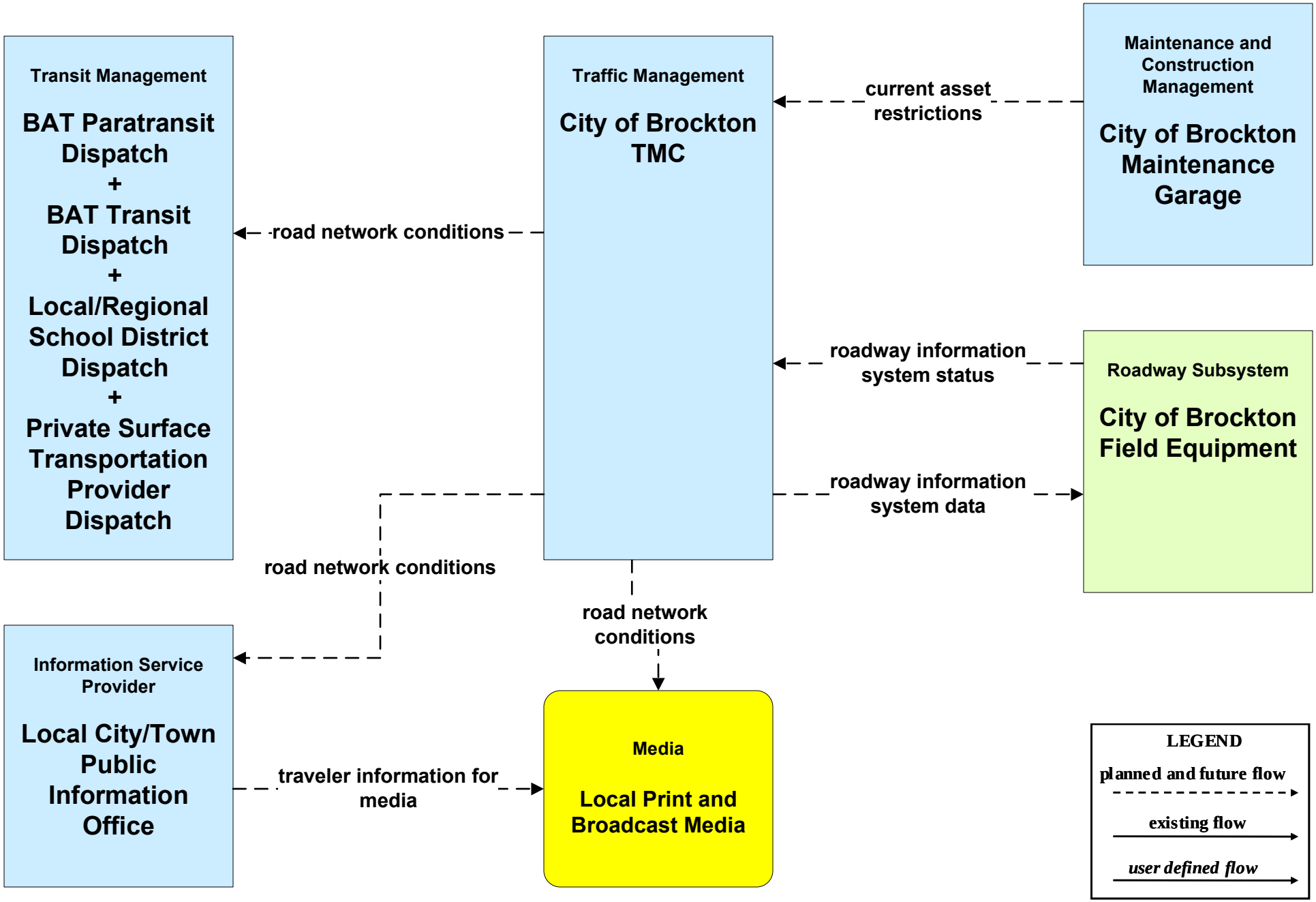
ATMS06 - Traffic Information Dissemination
MassDOT - Highway Division (2 of 2)



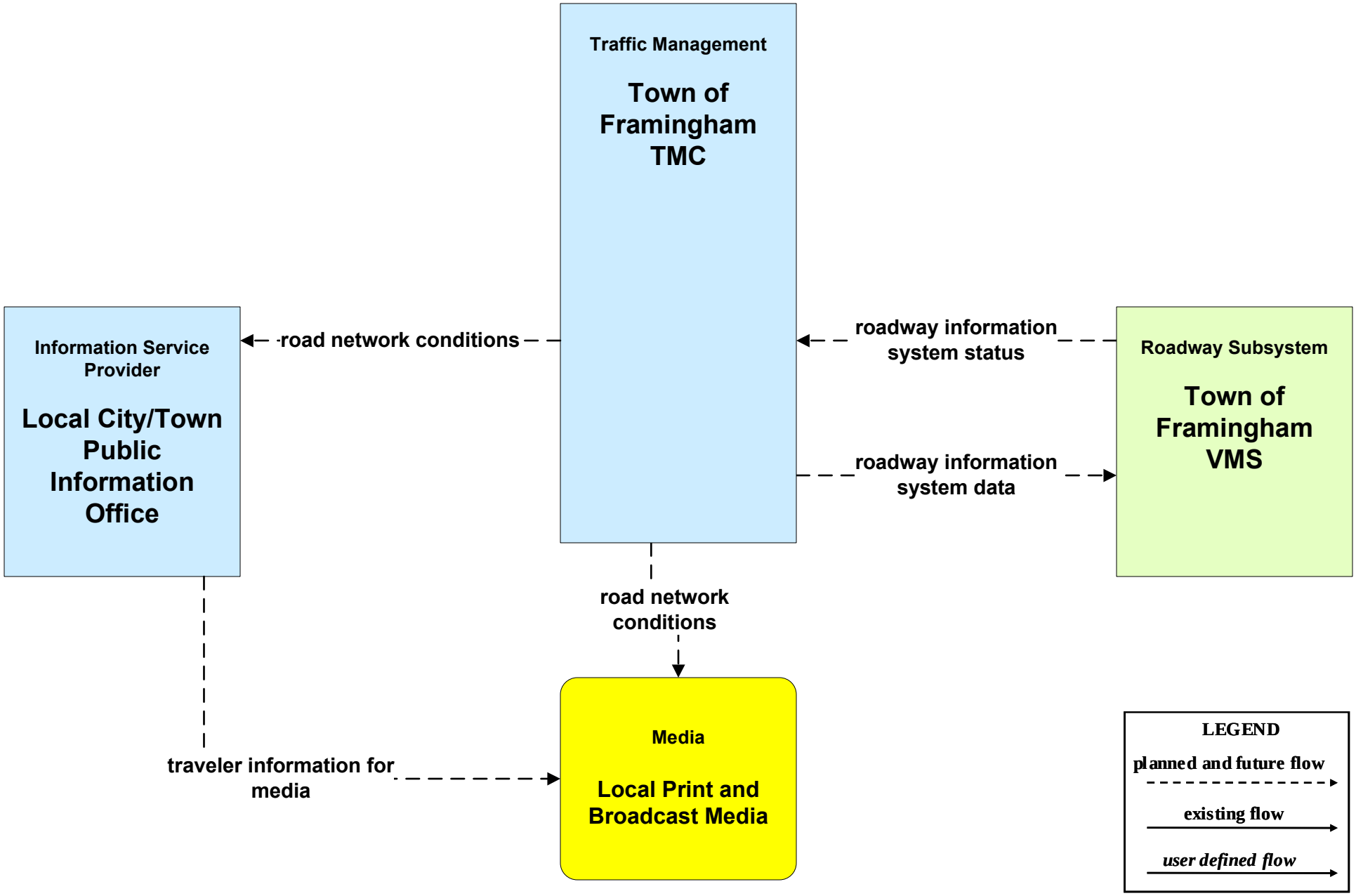
ATMS06 - Traffic Information Dissemination
Massport



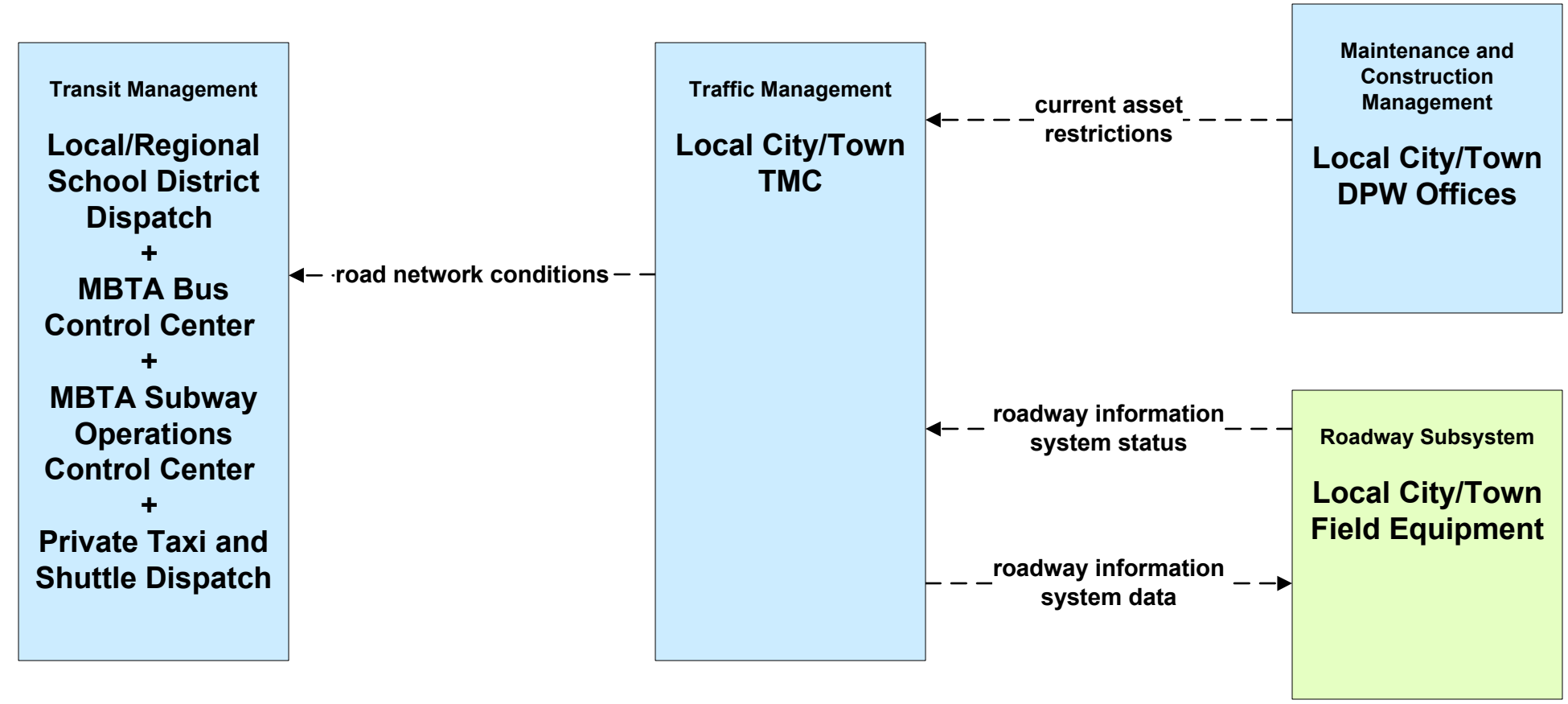
ATMS06 - Traffic Information Dissemination
City of Brockton

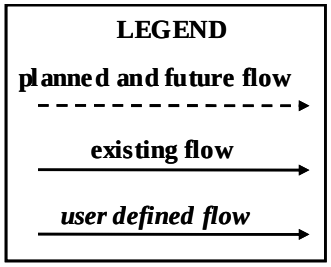


ATMS06 - Traffic Information Dissemination
Town of Framingham

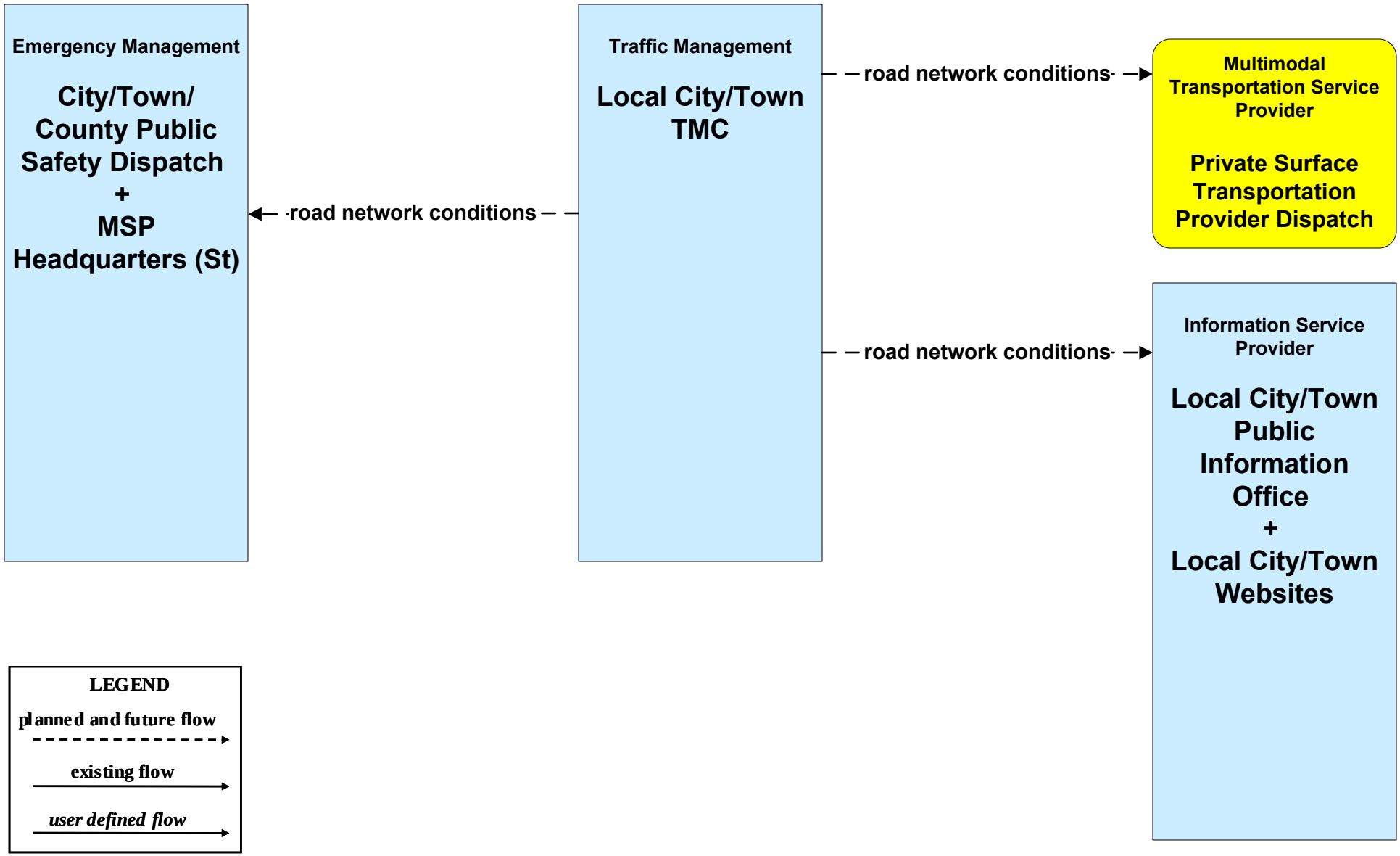


ATMS06 - Traffic Information Dissemination
Local Cities/Towns (1 of 2)

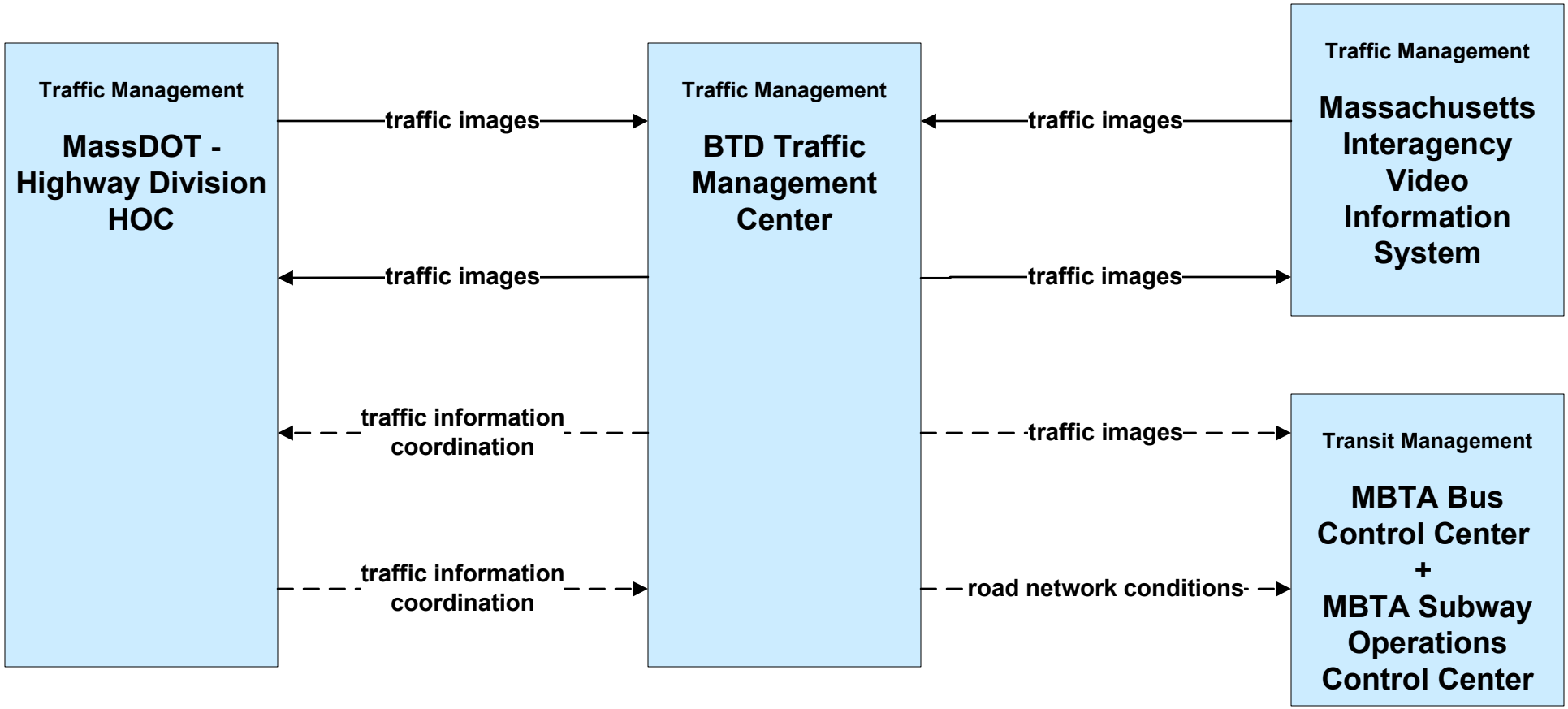


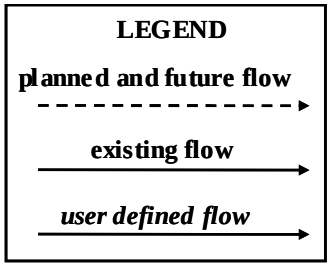


ATMS06 - Traffic Information Dissemination
Local Cities/Towns (2 of 2)

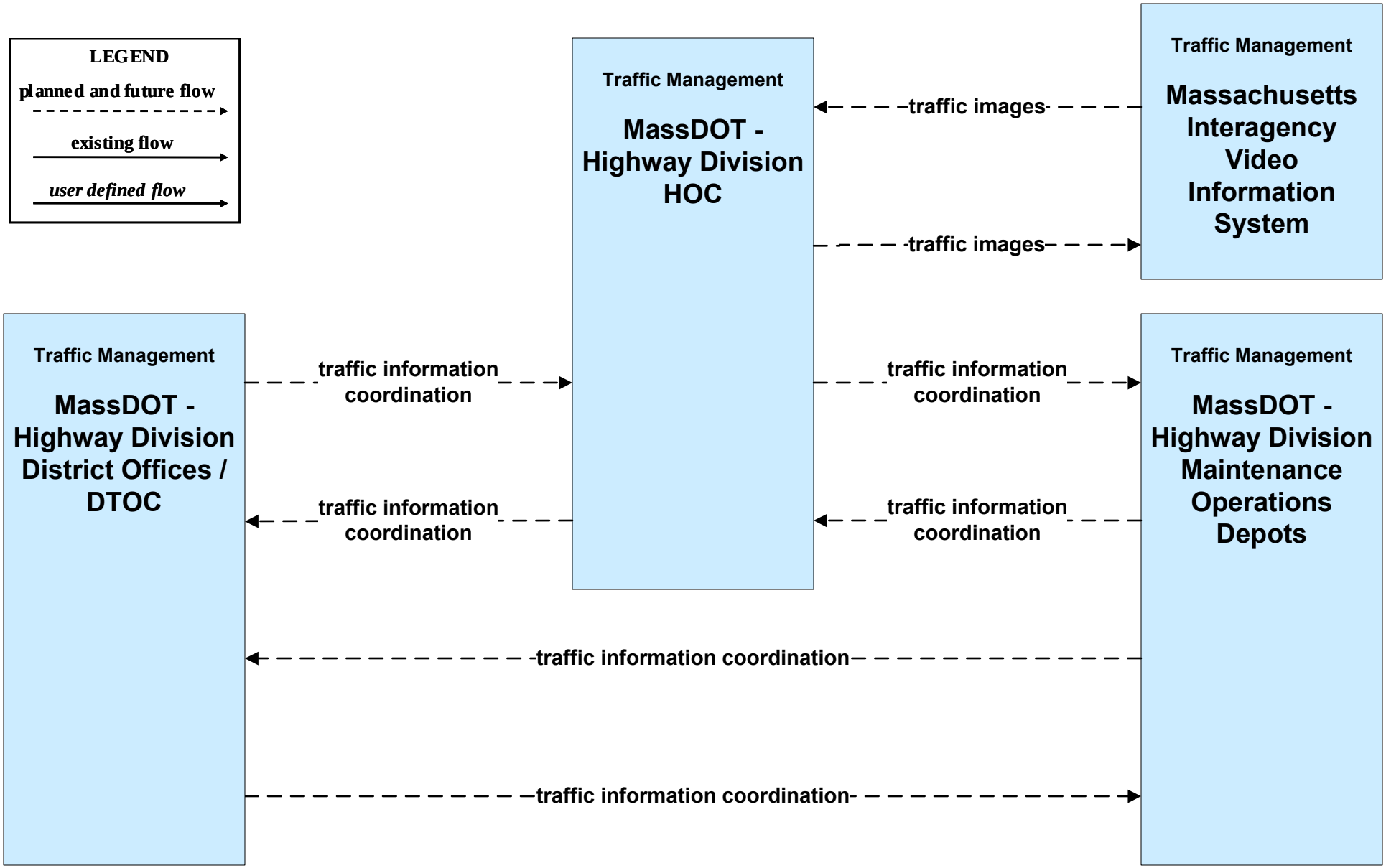


ATMS07 - Regional Traffic Control
Boston Transportation Department

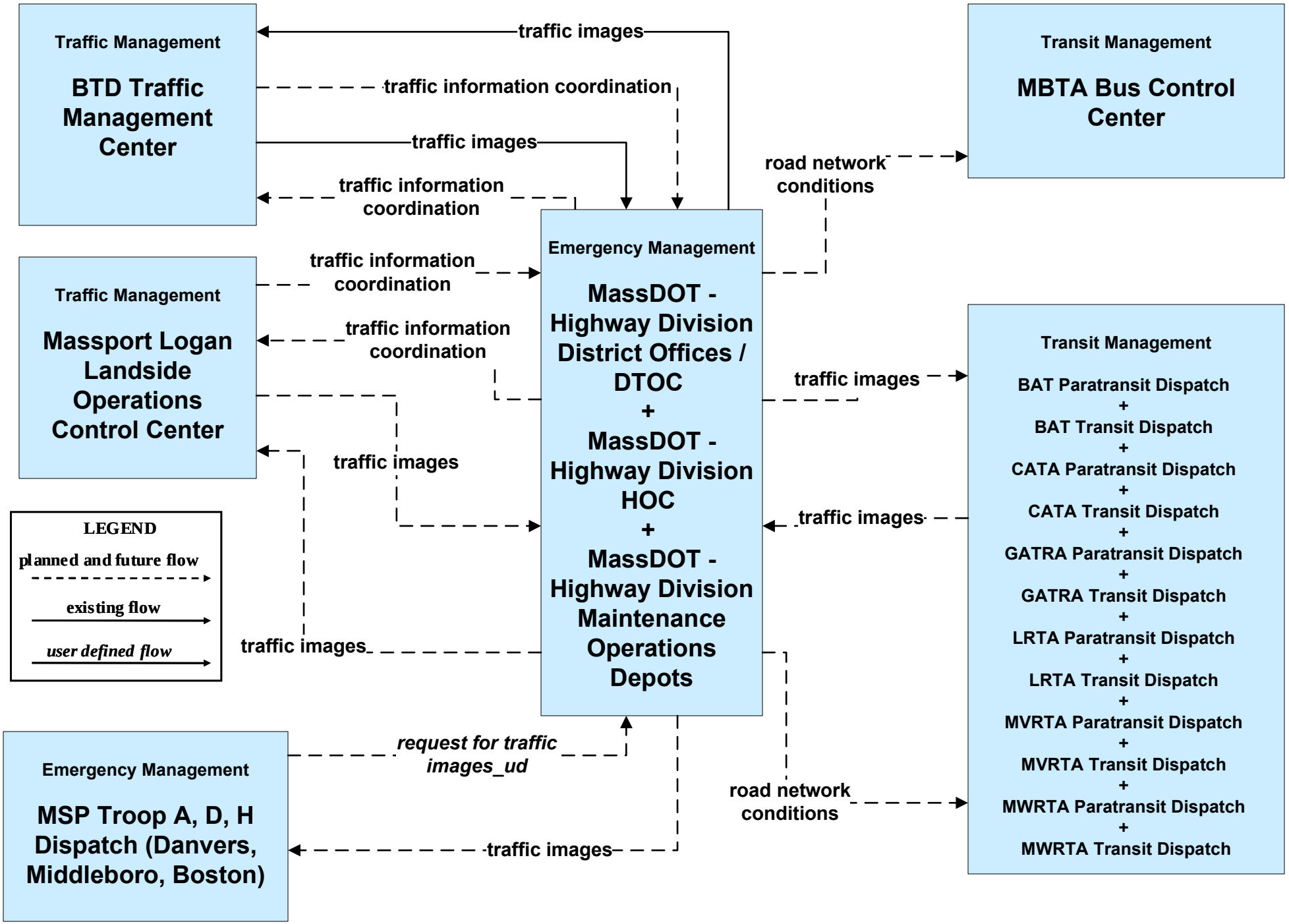




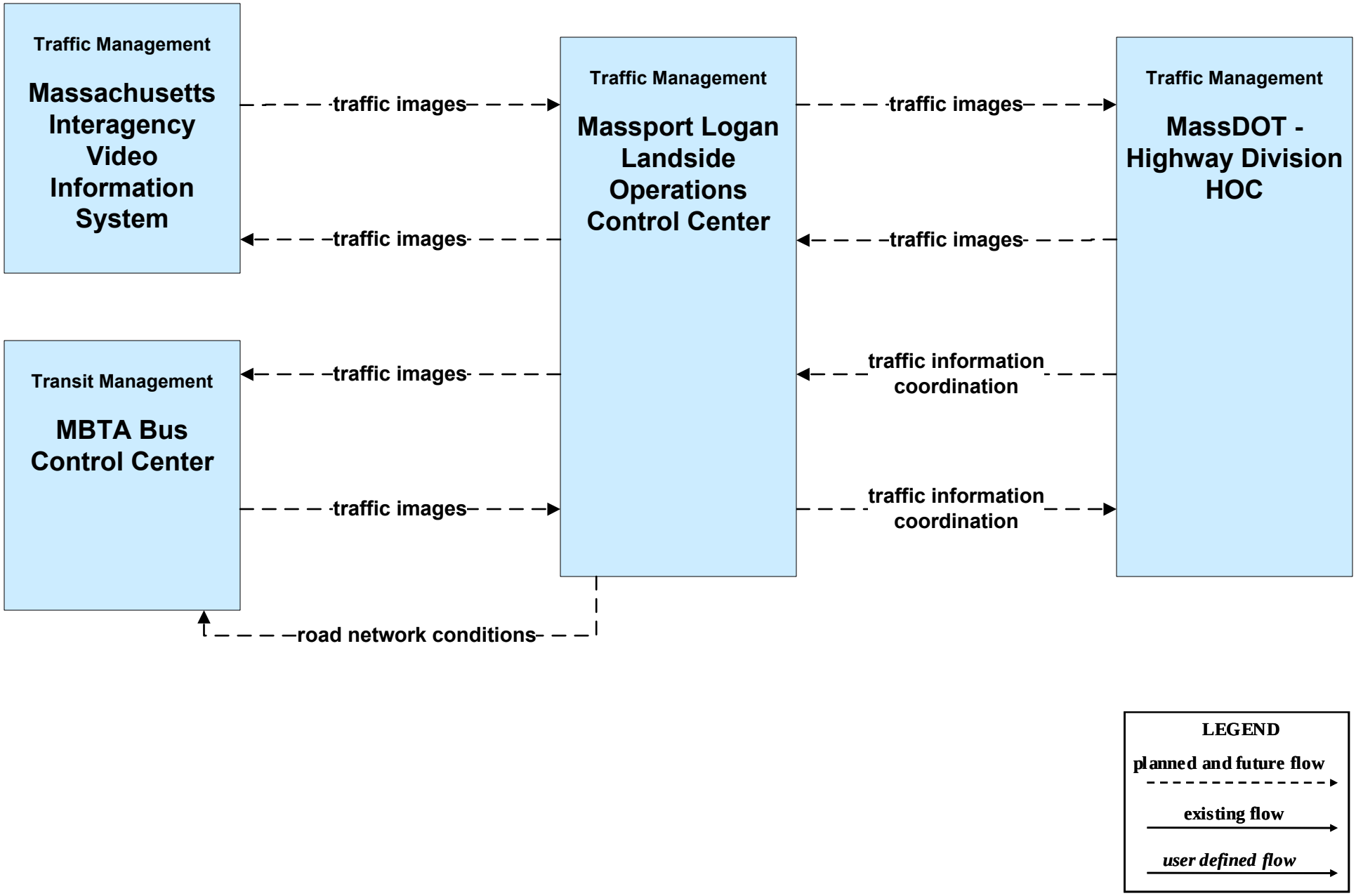
ATMS07 - Regional Traffic Control
MassDOT - Highway Division (1 of 2)



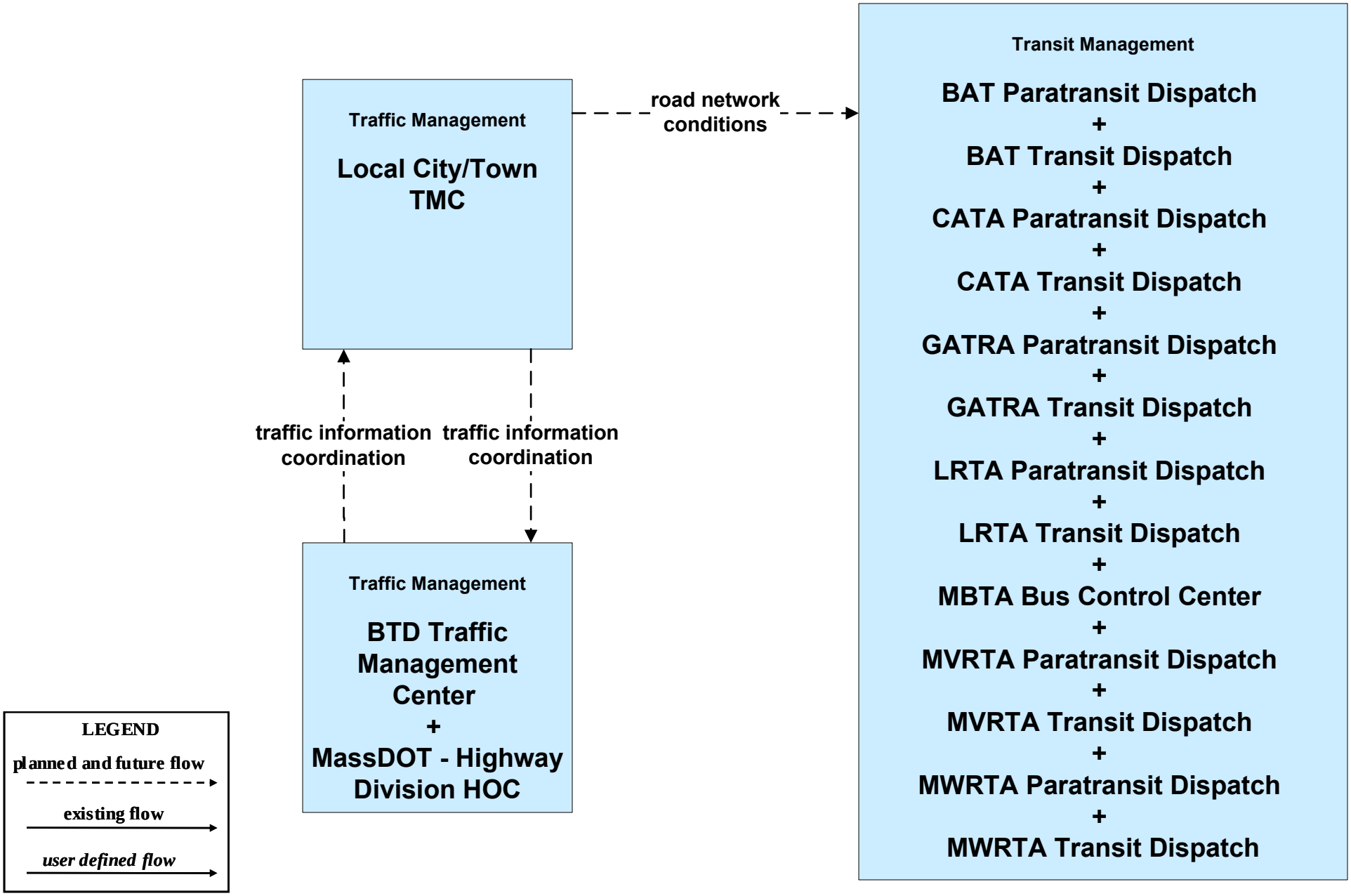
ATMS07 - Regional Traffic Control
MassDOT - Highway Division (2 of 2)



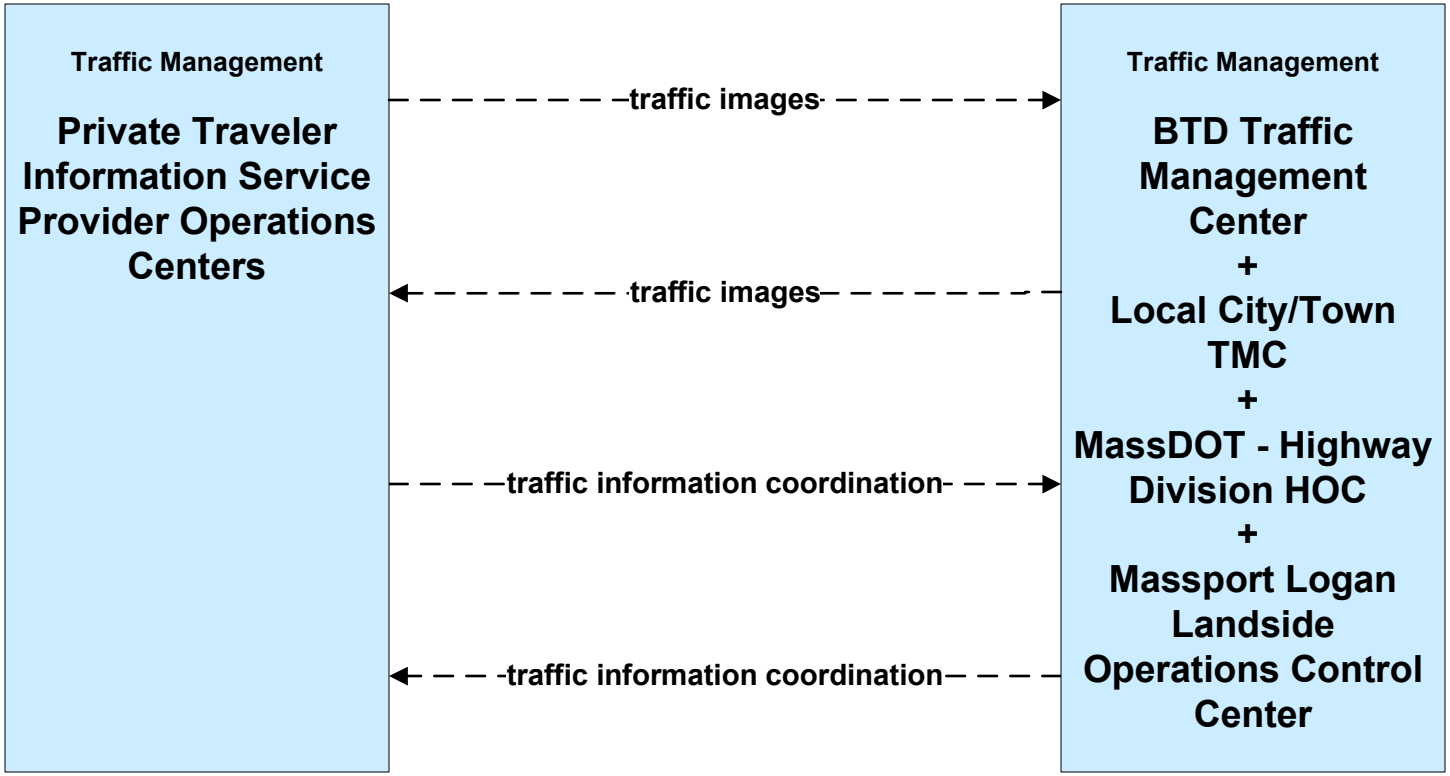
ATMS07 - Regional Traffic Control
Massport

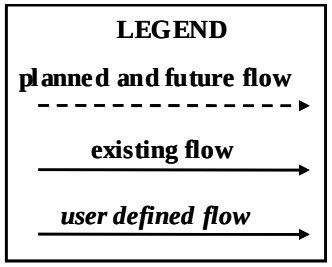


ATMS07 - Regional Traffic Control
Local Cities/Towns

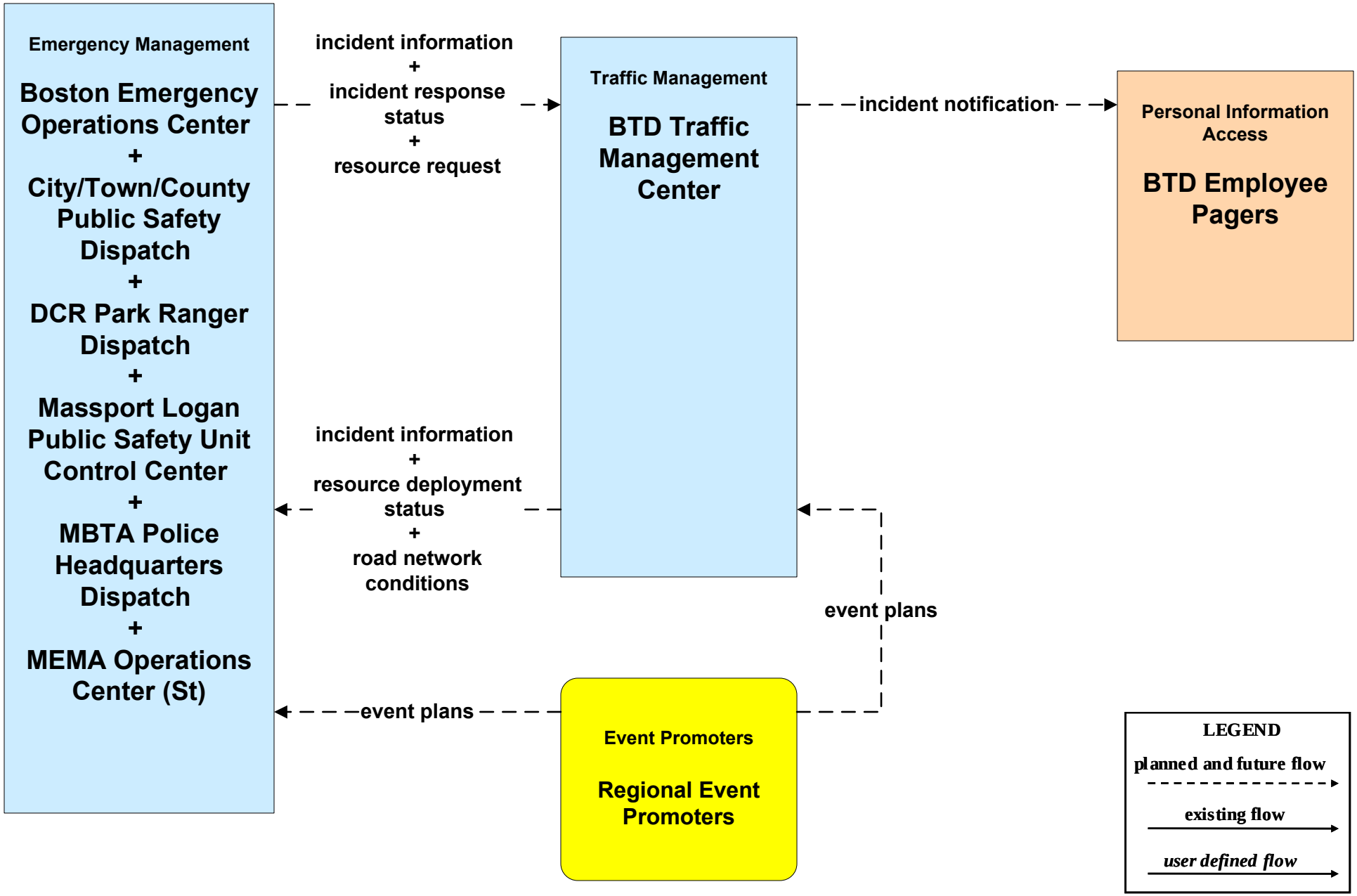


ATMS07 - Regional Traffic Control
Private Traveler Information Service Providers Operations Centers

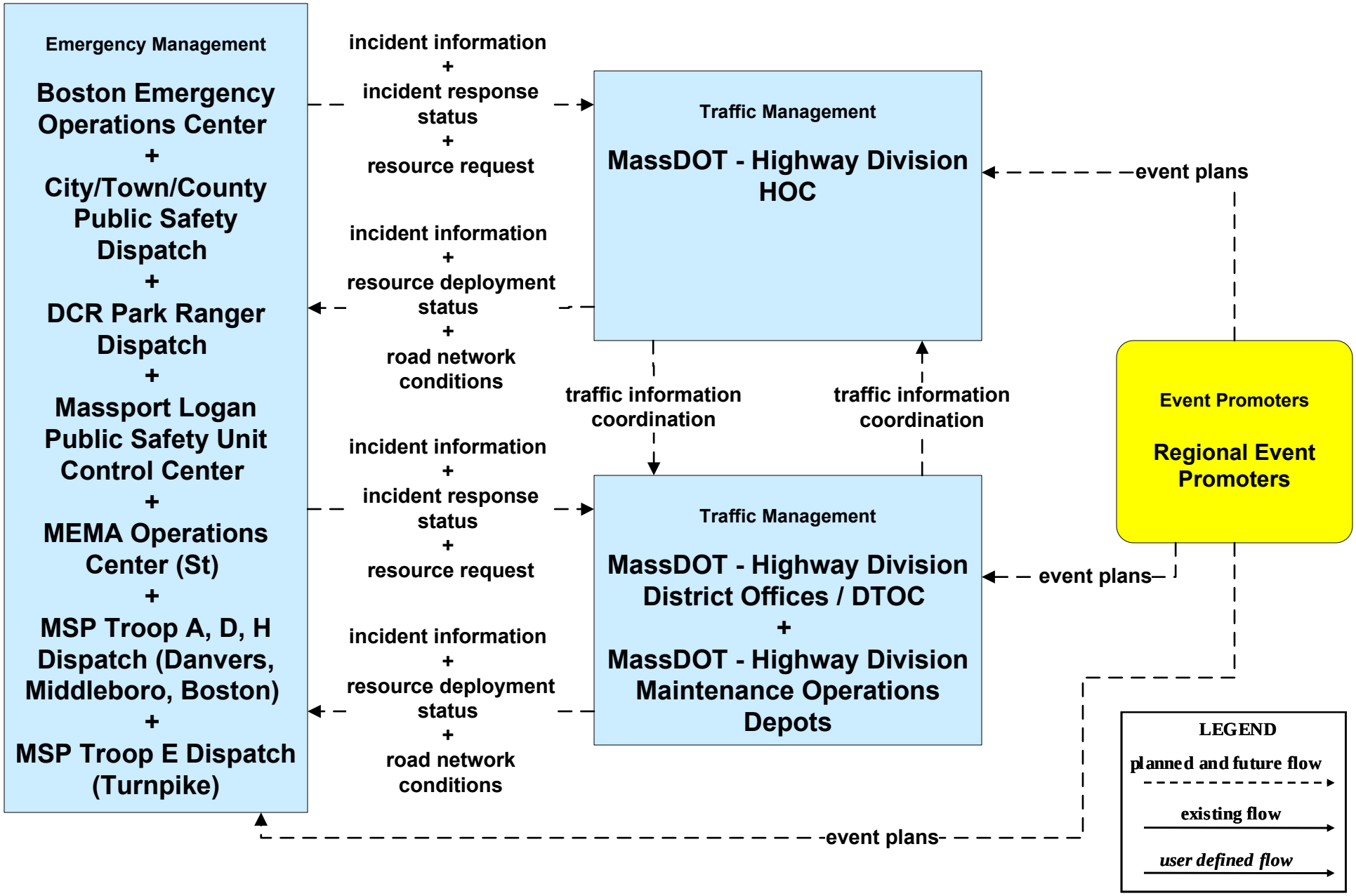




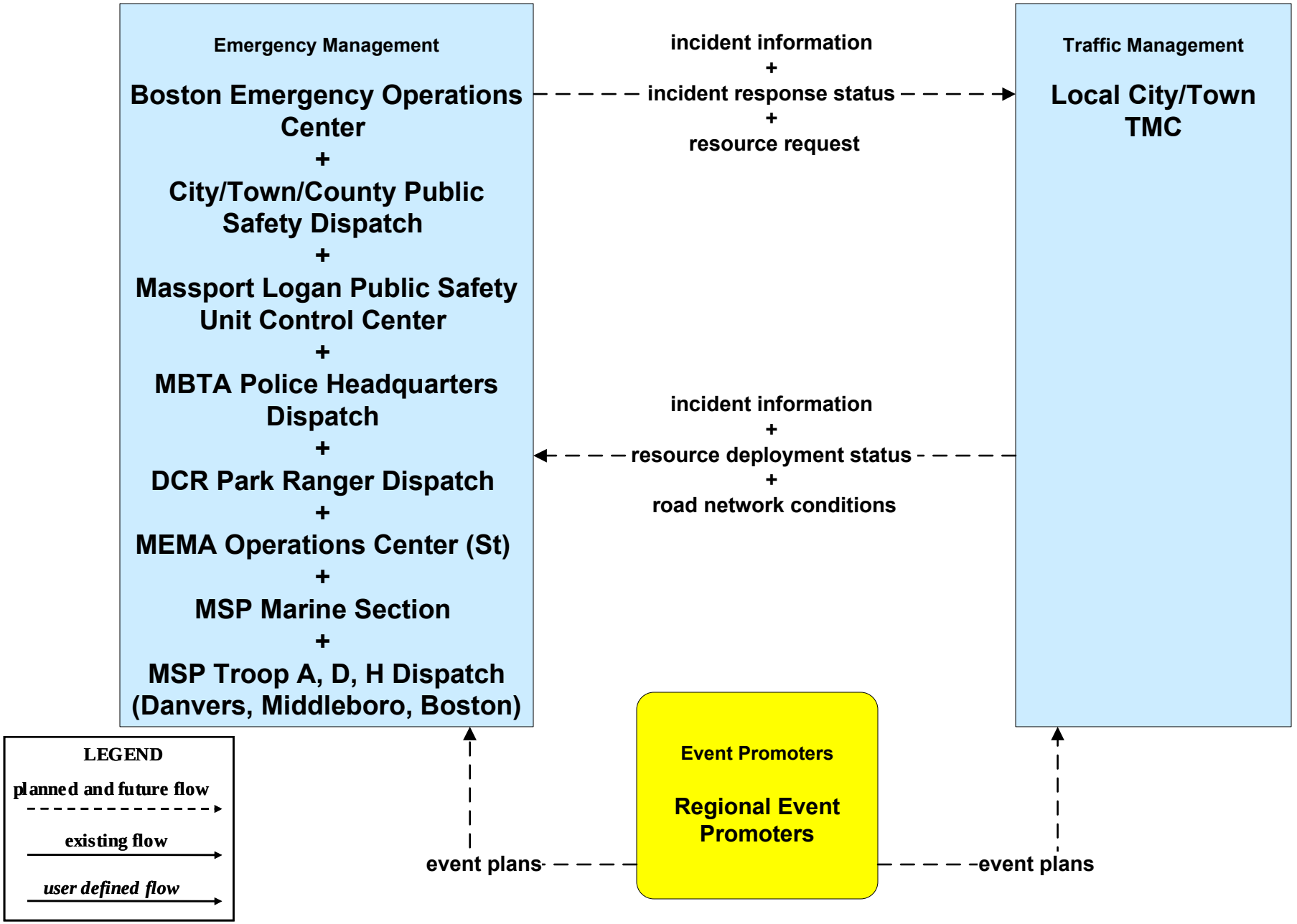
ATMS08 - Incident Management
Boston Transportation Department (TM/EM)



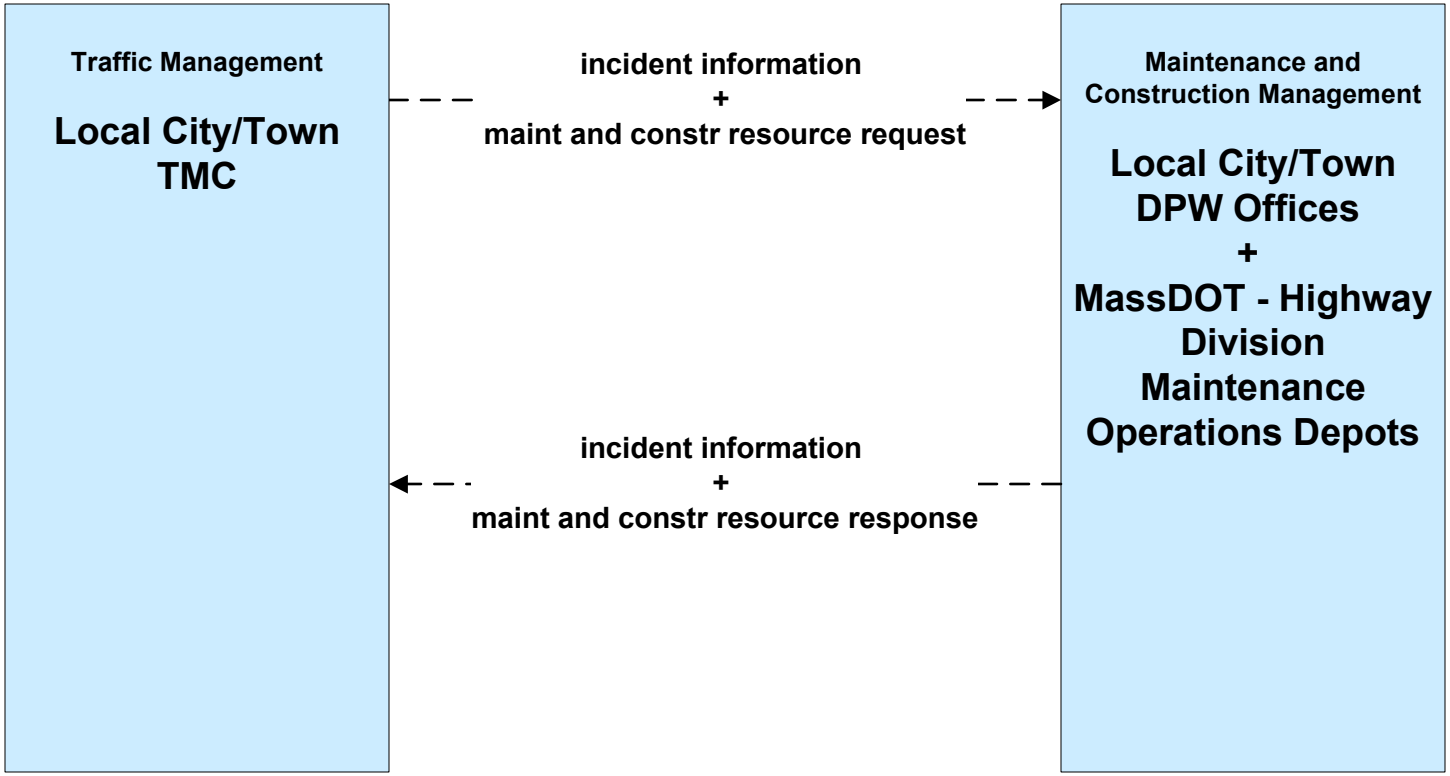
ATMS08 - Incident Management
MassDOT - Highway Division (TM/EM)

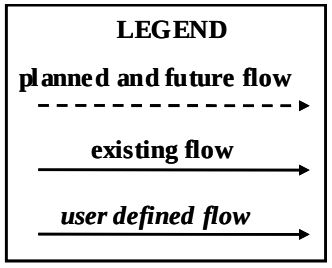


ATMS08 - Incident Management
Local Cities/Towns (TM/EM)

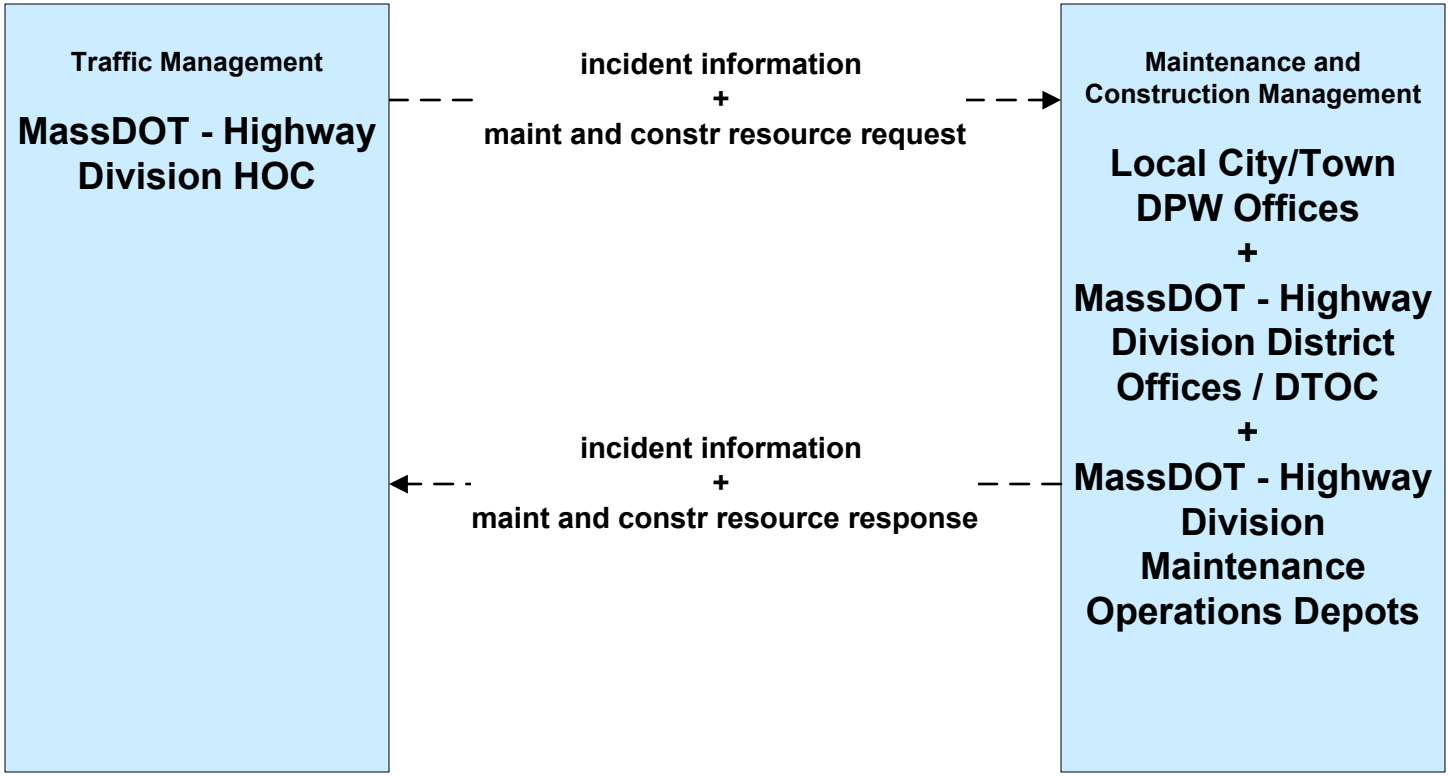


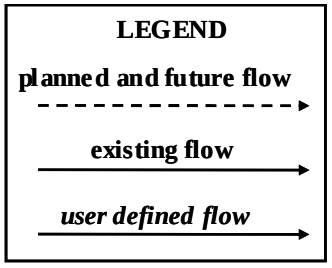
ATMS08 - Incident Management
Local Cities/Towns (TM/MCM)



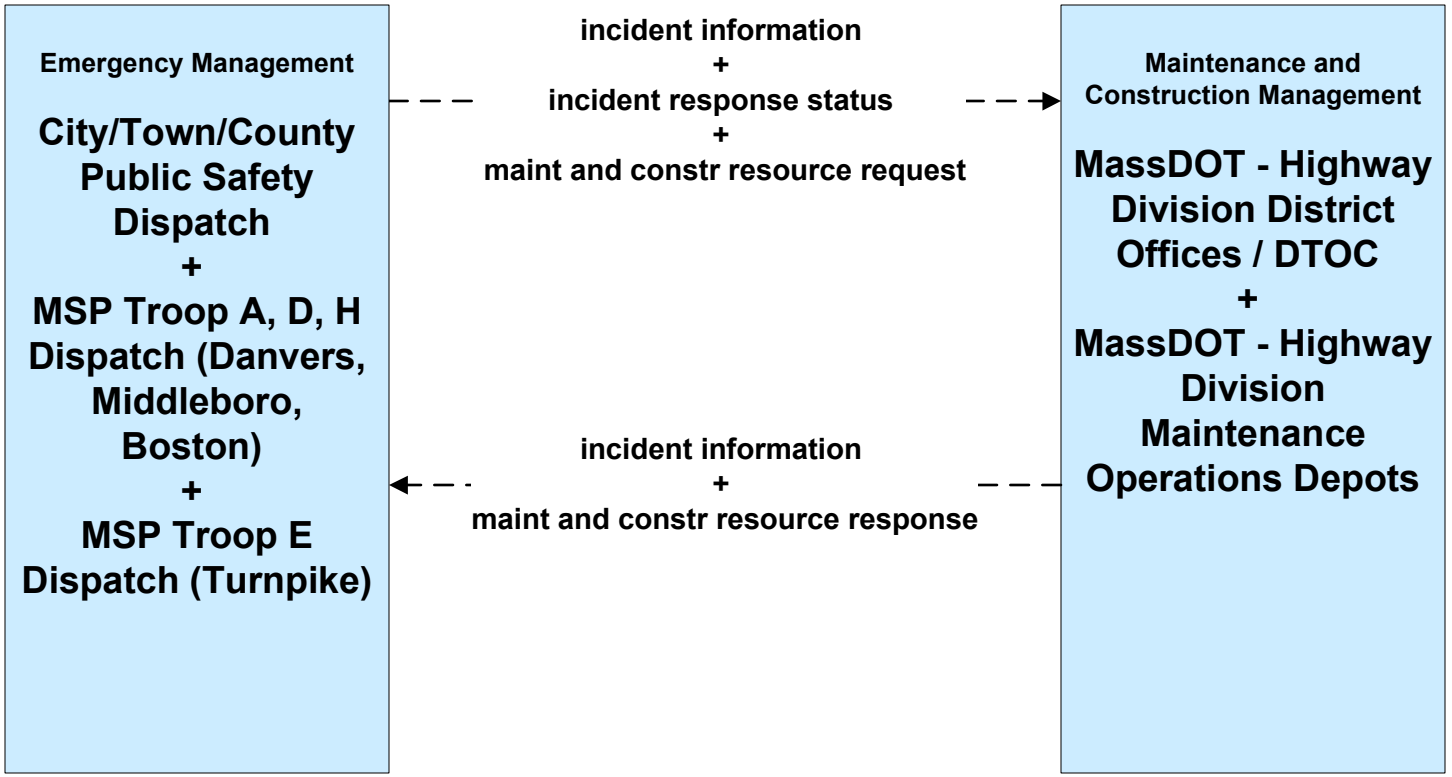


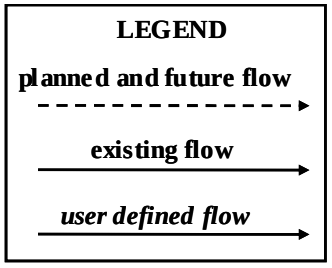
ATMS08 - Incident Management
MassDOT - Highway Division (TM/MCM)



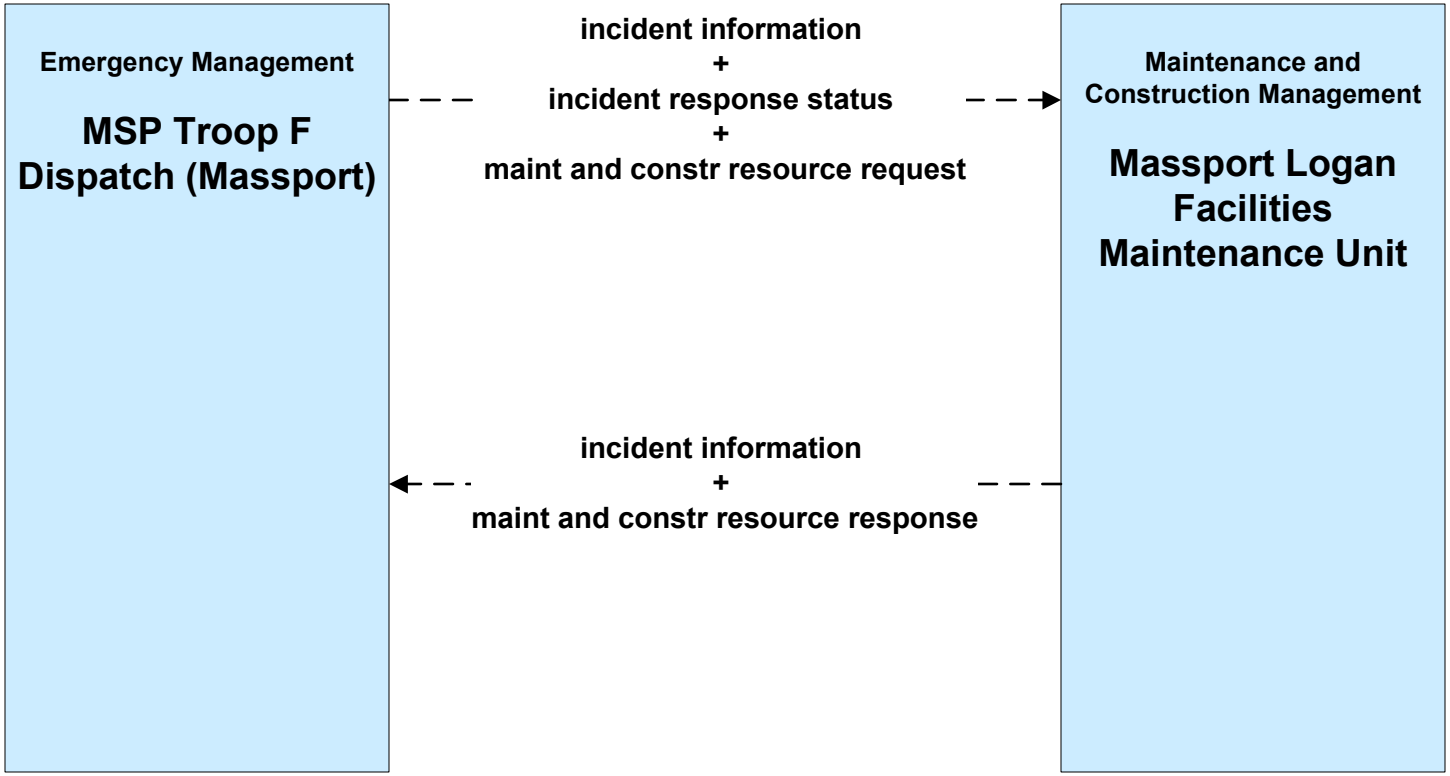


ATMS08 - Incident Management
MassDOT - Highway Division (EM/MCM)





ATMS08 - Incident Management
Massport (EM/MCM)



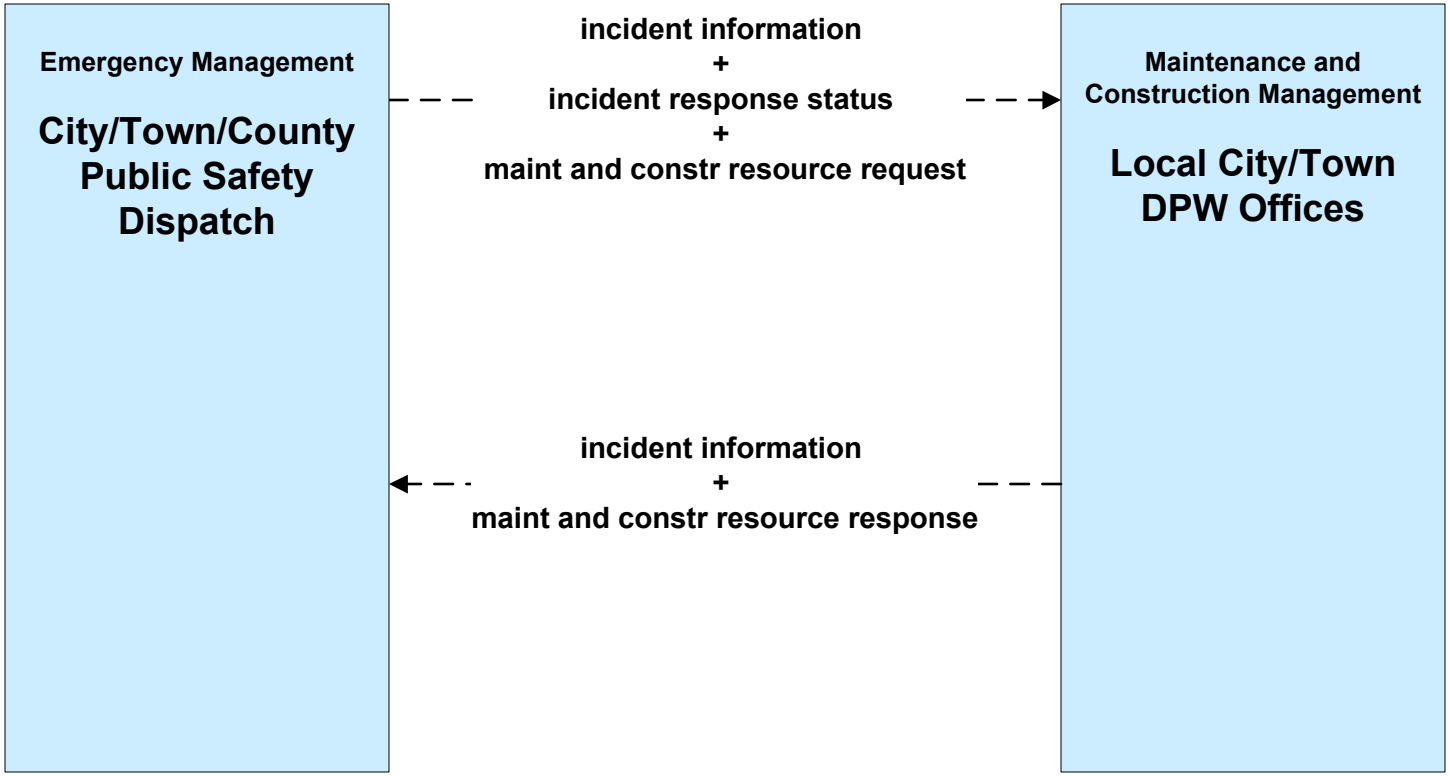
LEGEND

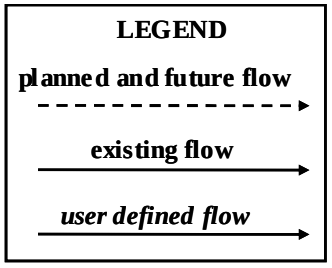
planned and future flow

existing flow

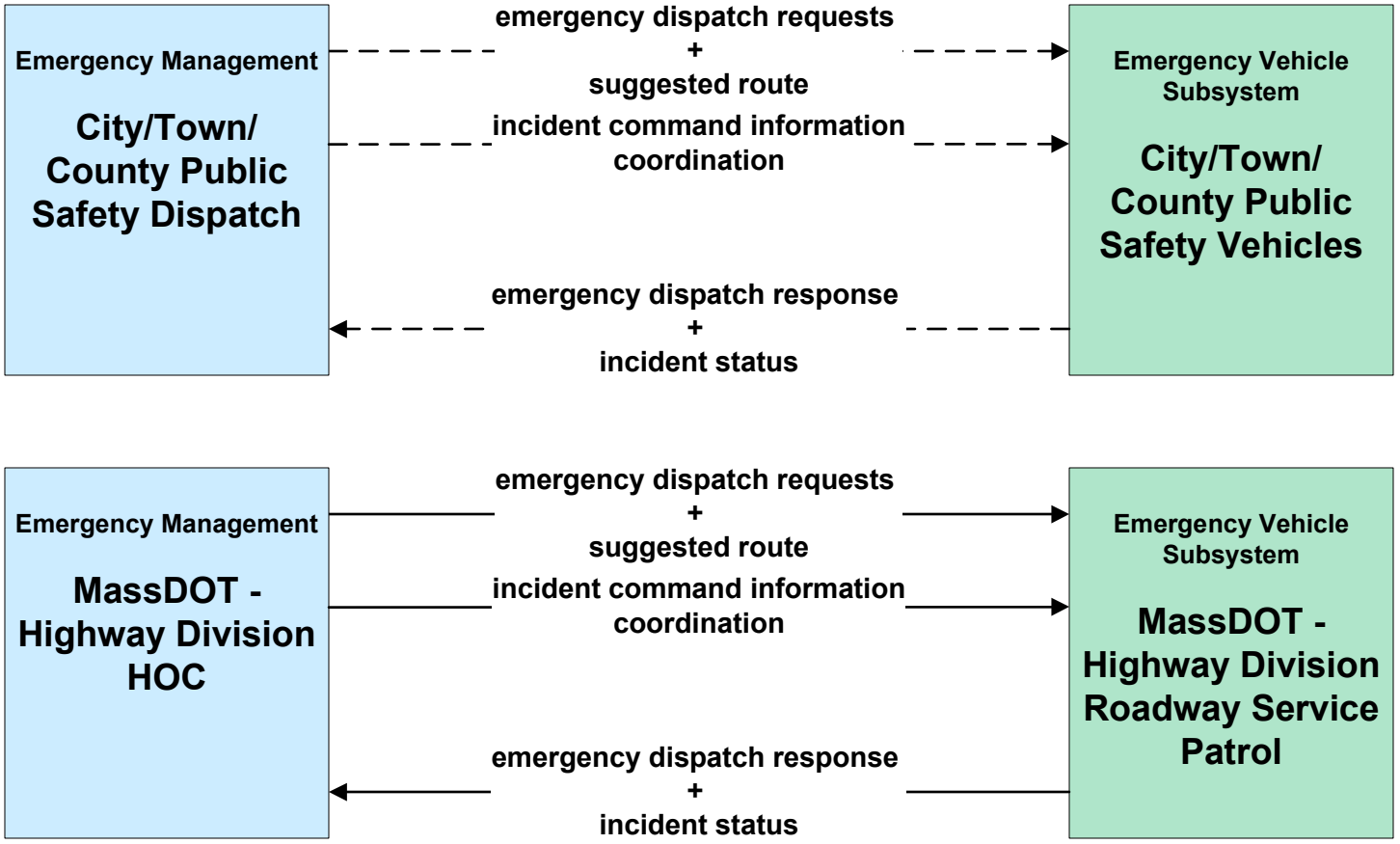
user defined flow

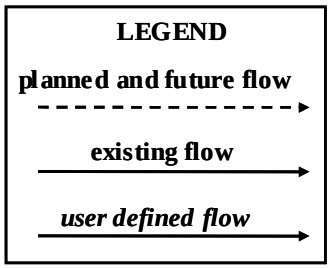
ATMS08 - Incident Management
Local City/Town (EM/MCM)



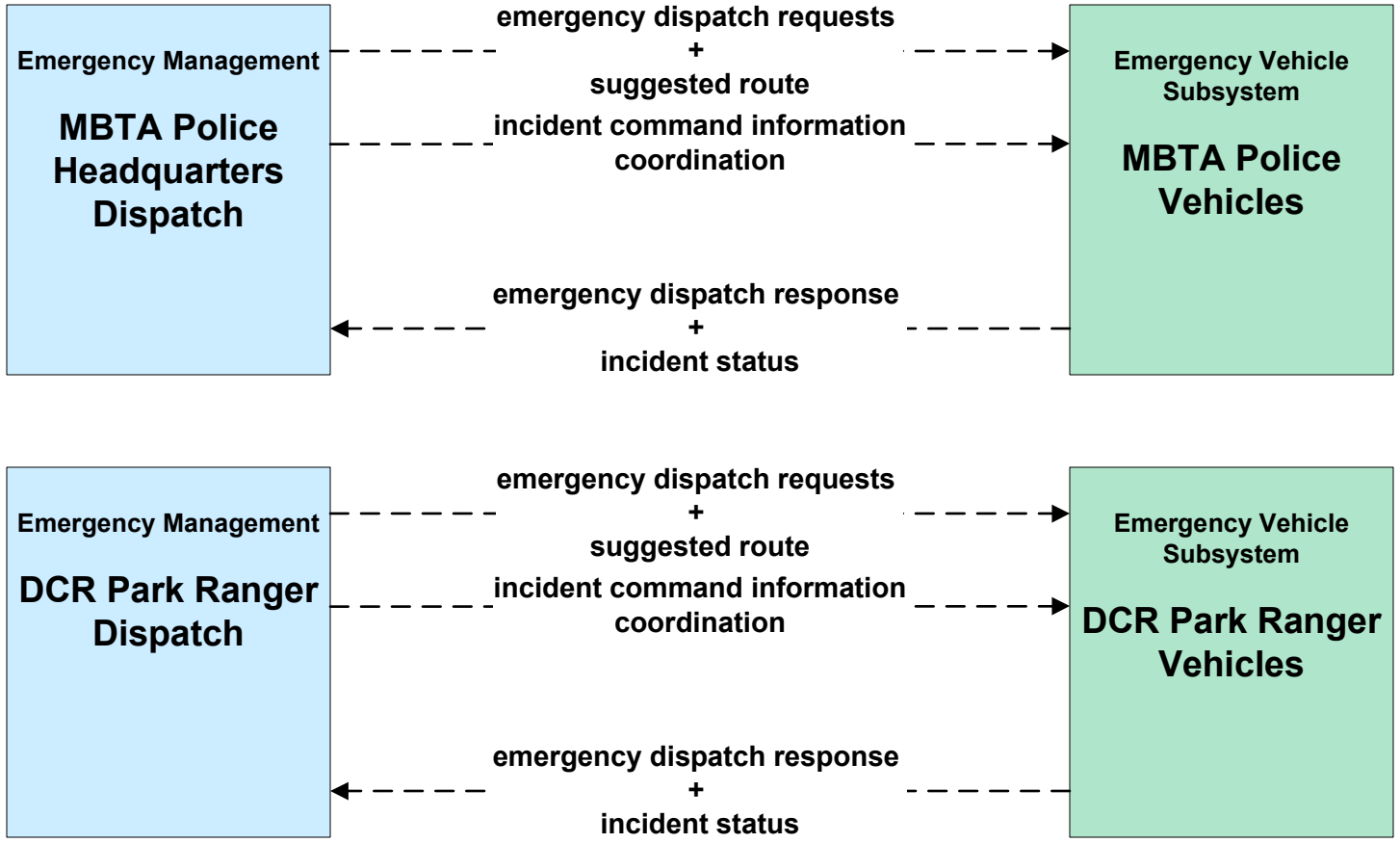


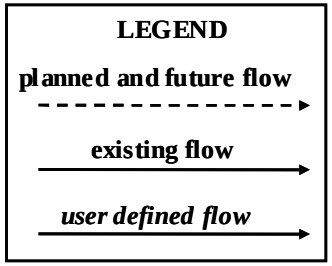
ATMS08 - Incident Management
MassDOT - Highway Division and Local Cities/Towns/Counties (EM/EV)



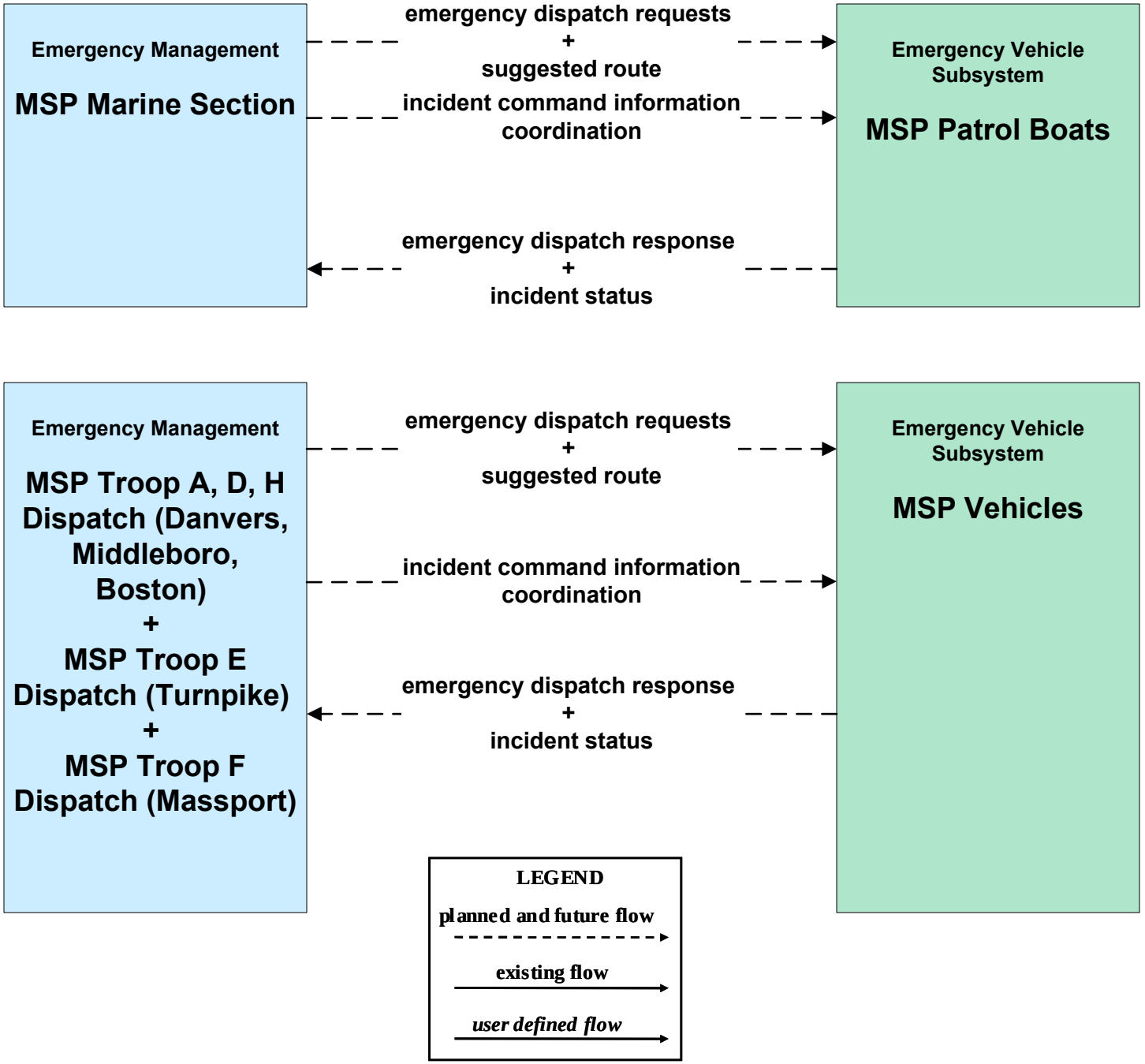


ATMS08 - Incident Management
MBTA and DCR (EM/EV)

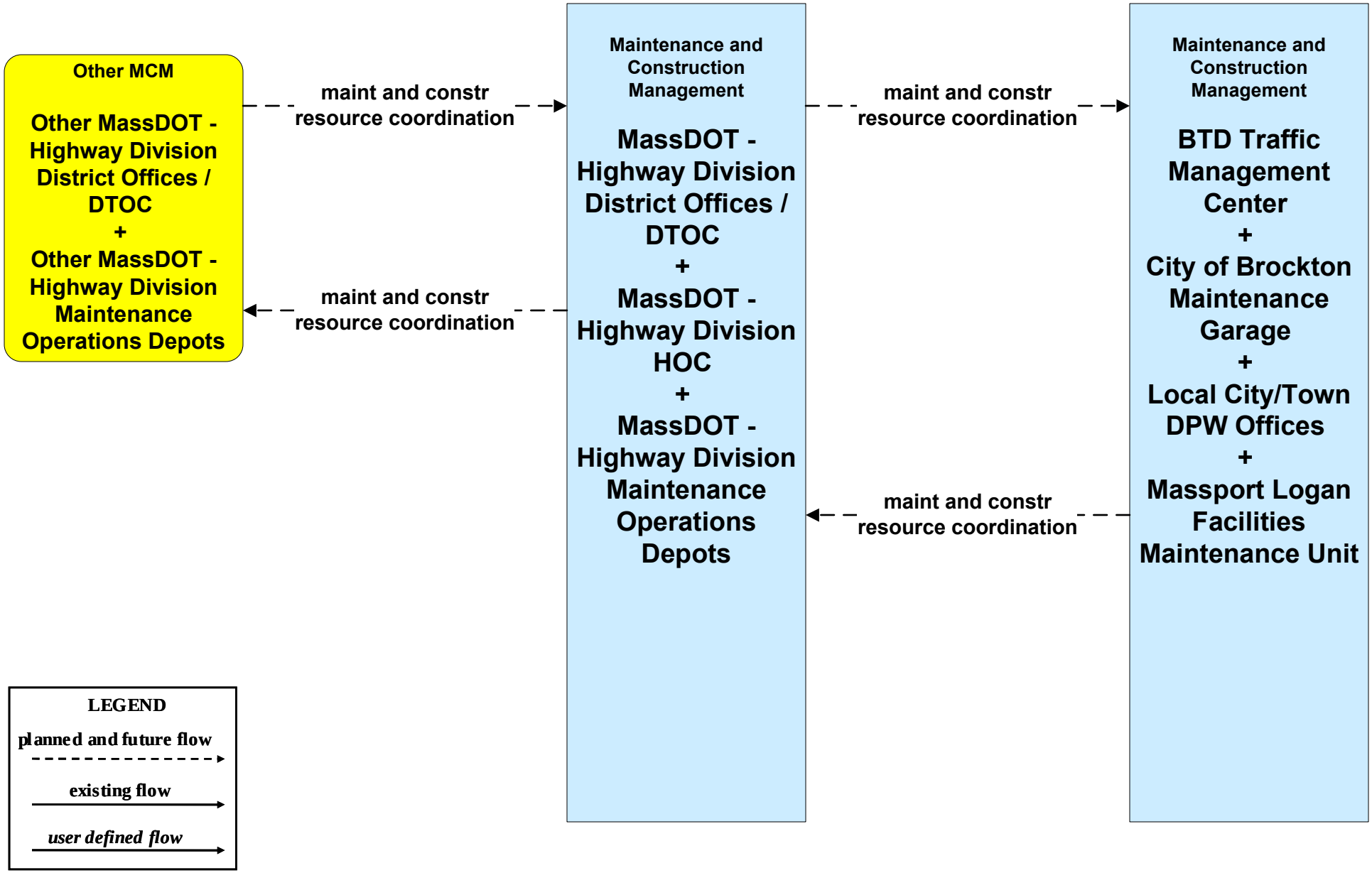




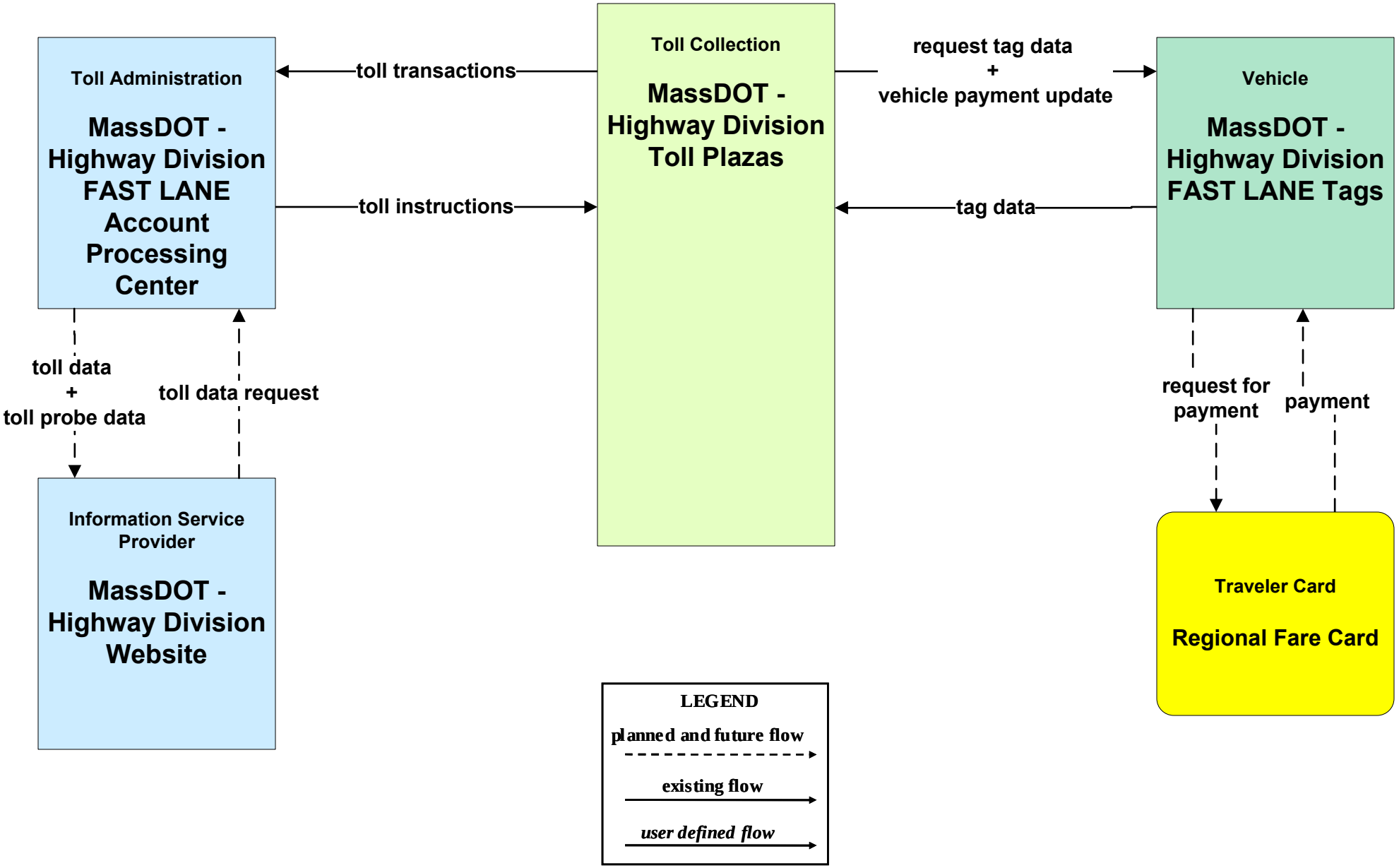
ATMS08 - Incident Management
MSP (EM/EV)



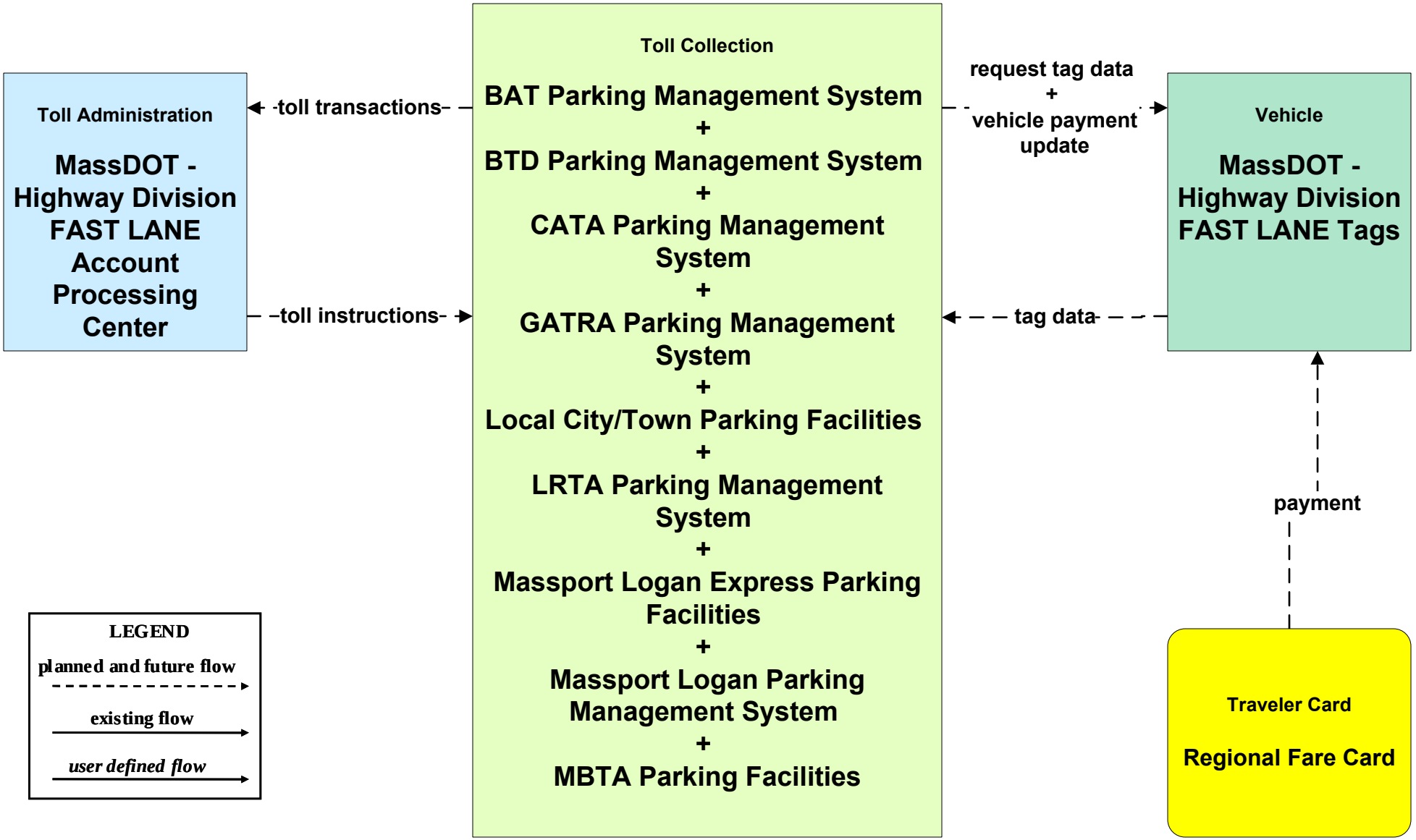
ATMS08 - Incident Management
MassDOT - Highway Division (MCM to Other MCM)



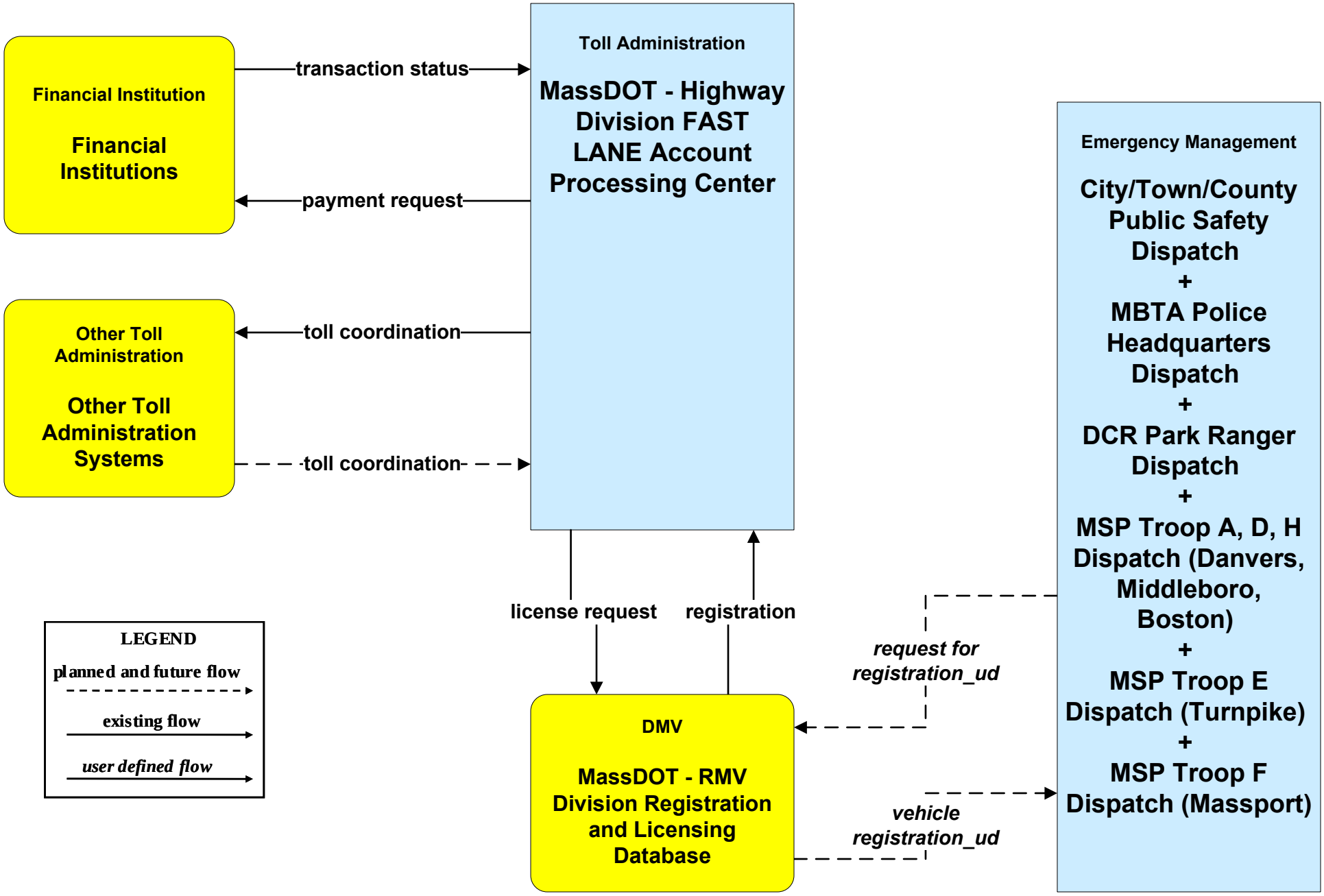
ATMS10 - Electronic Toll Collection
MassDOT - Highway Division (1 of 3)



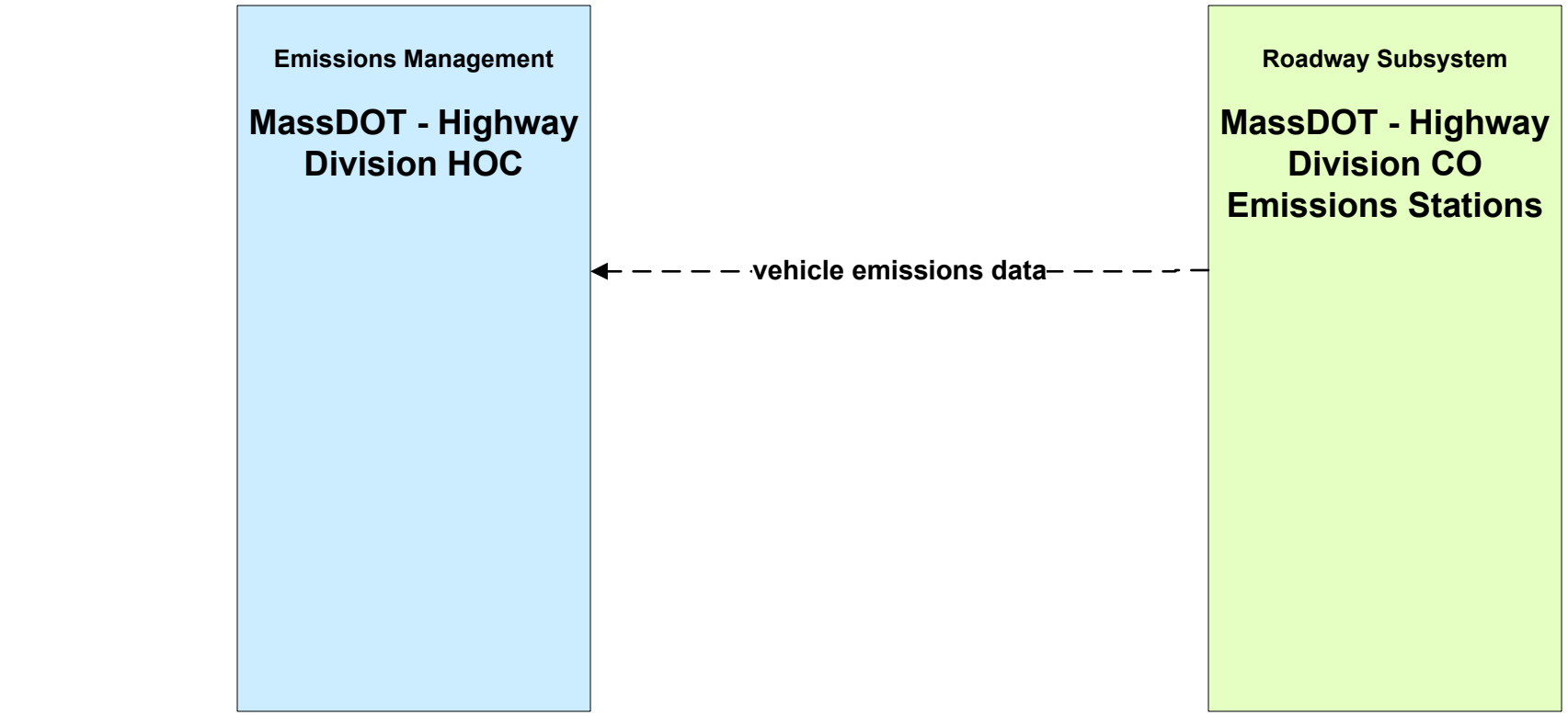
ATMS10 - Electronic Toll Collection
MassDOT - Highway Division (2 of 3)



ATMS10 - Electronic Toll Collection
MassDOT - Highway Division (3 of 3)



ATMS11 - Emissions Monitoring and Management
MassDOT - Highway Division



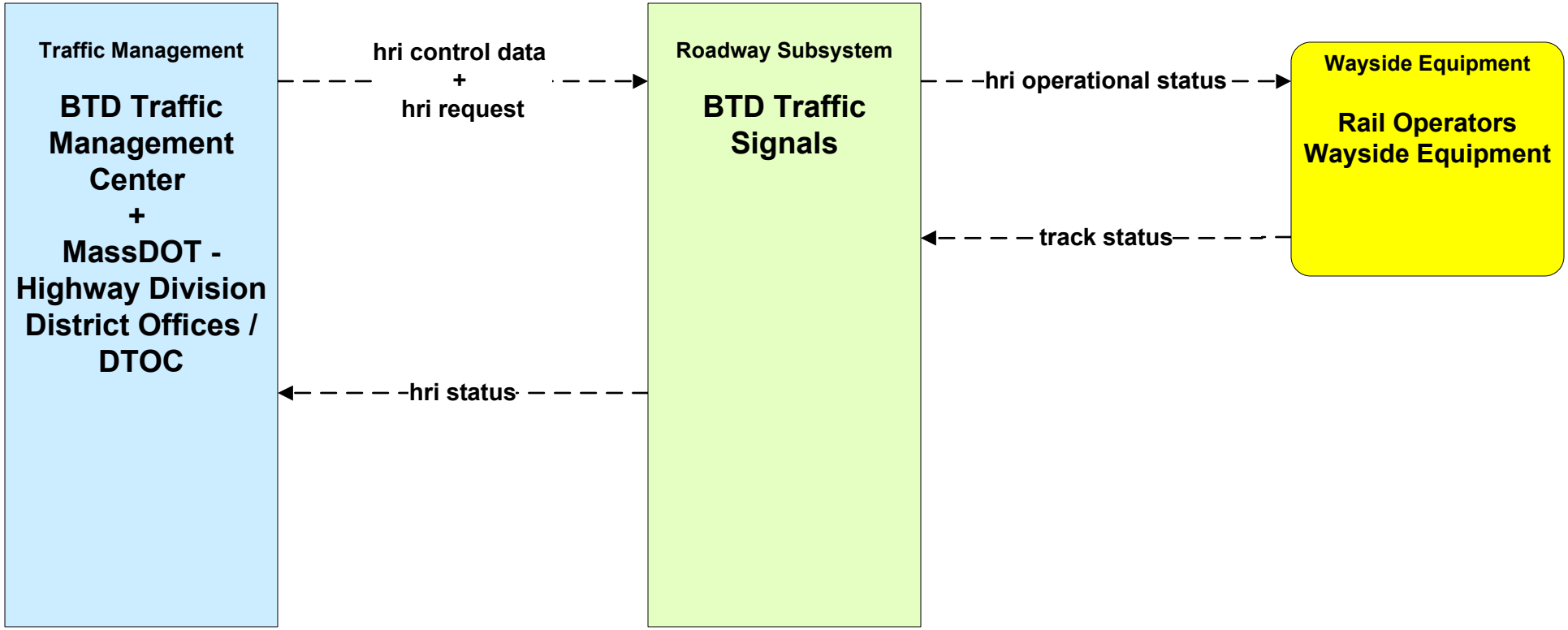
LEGEND

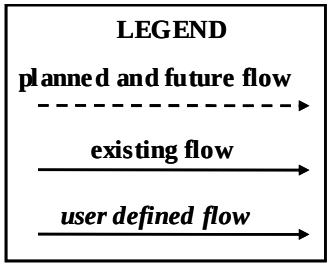
planned and future flow

existing flow

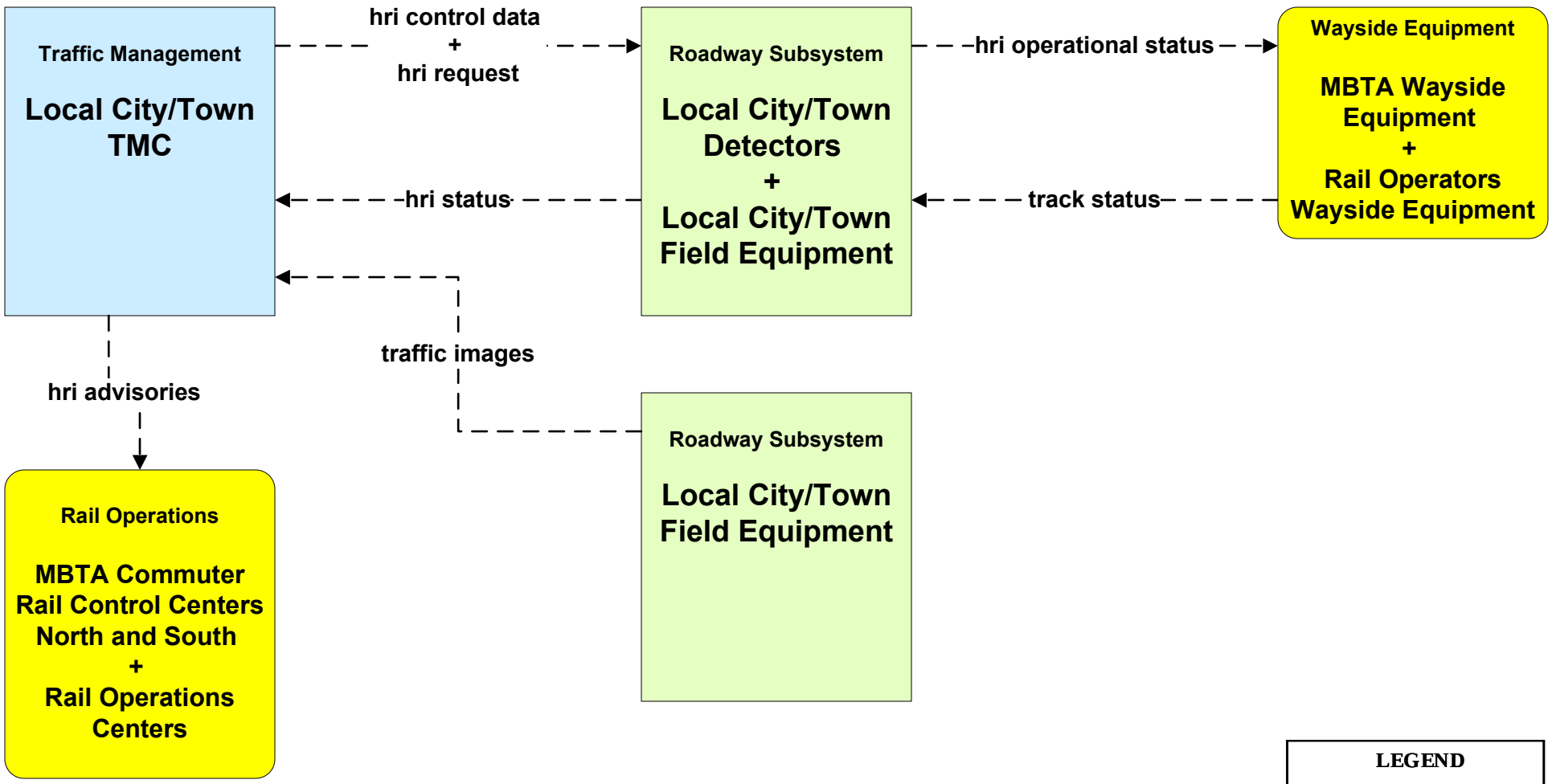
user defined flow

ATMS13 - Standard Railroad Crossing
Boston Transportation Department

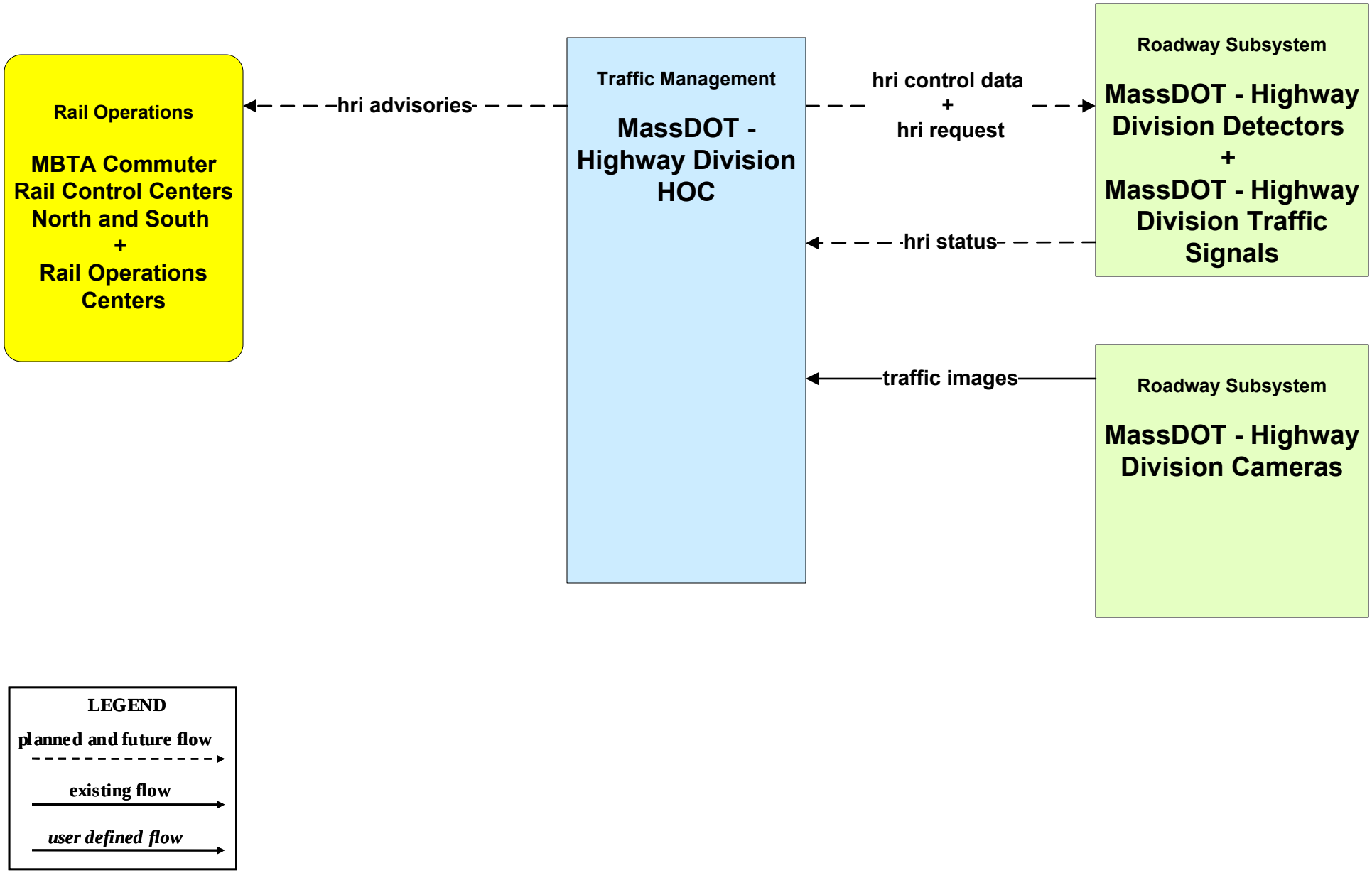




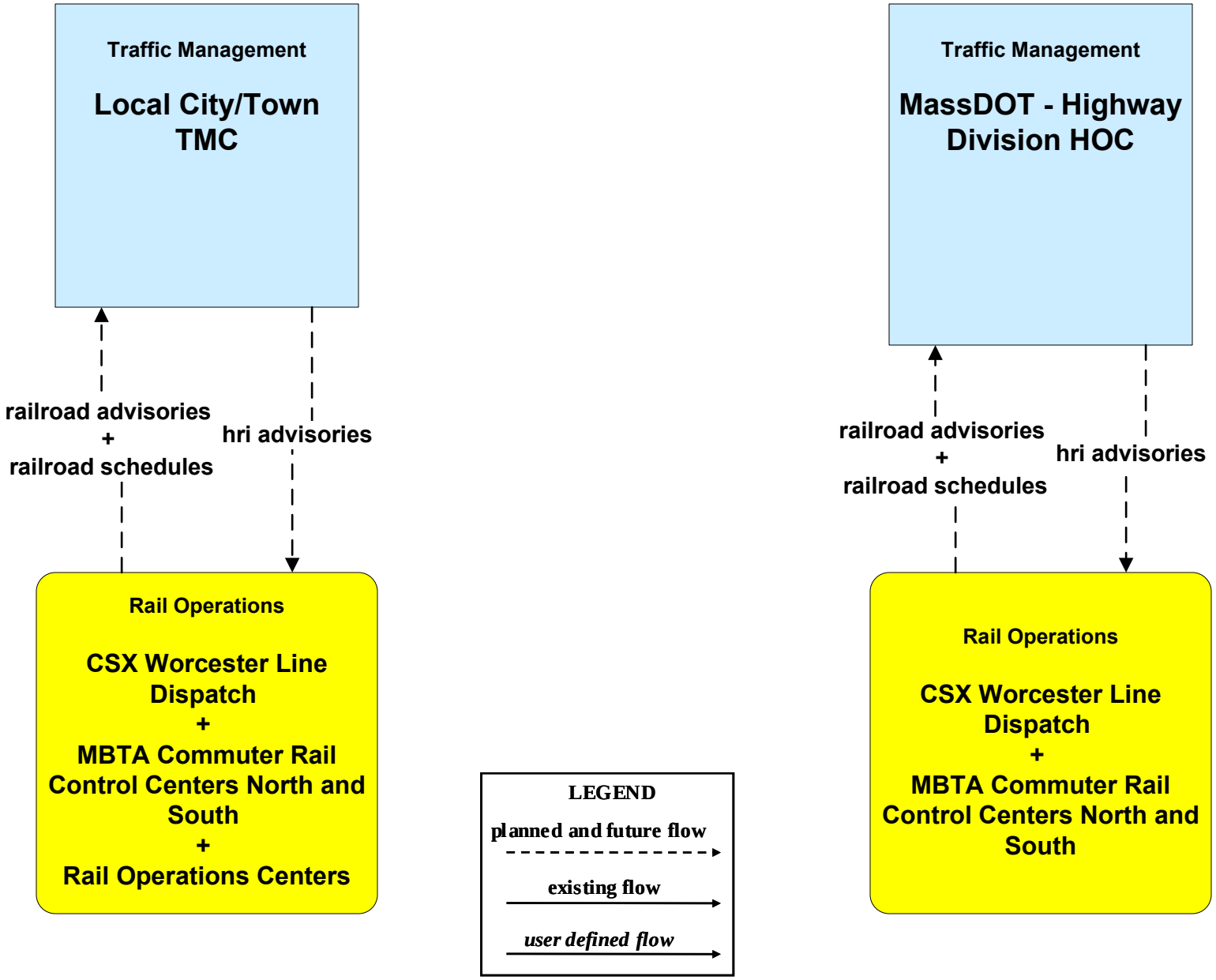
ATMS13 - Standard Railroad Crossing
Local Cities/Towns



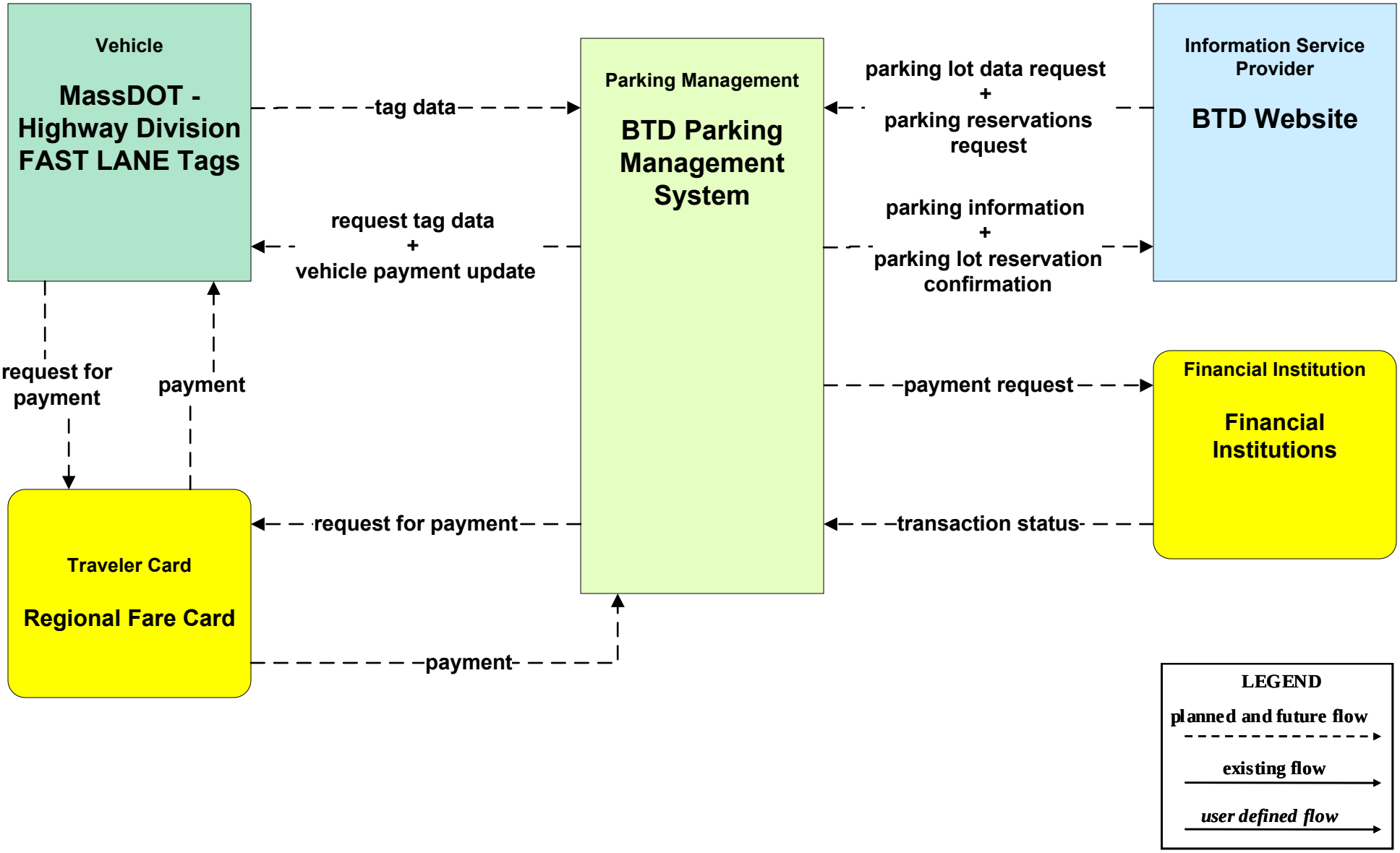
ATMS13 - Standard Railroad Crossing
MassDOT - Highway Division



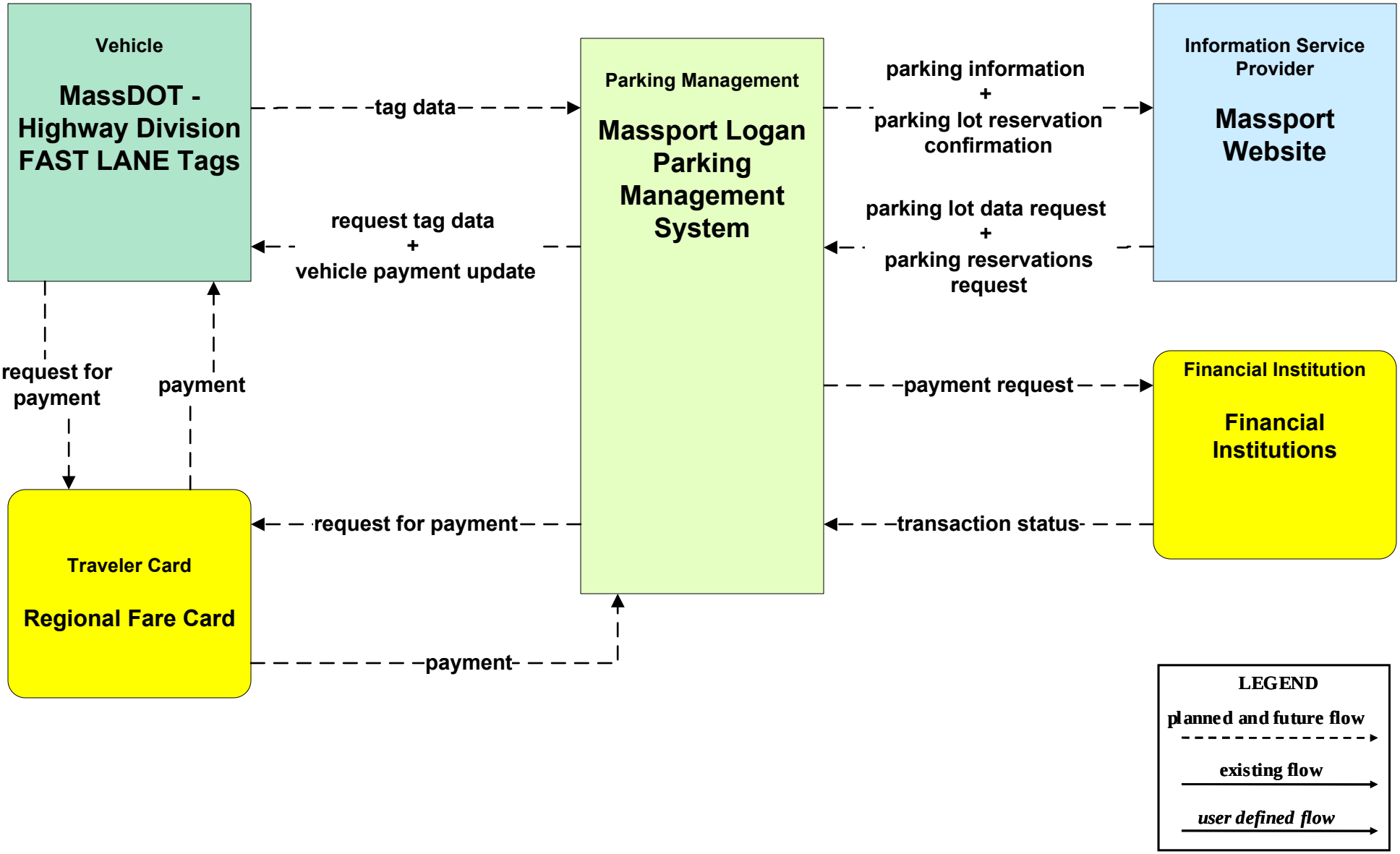
ATMS15 - Railroad Operations Coordination
MassDOT - Highway Division and Local Cities/Towns



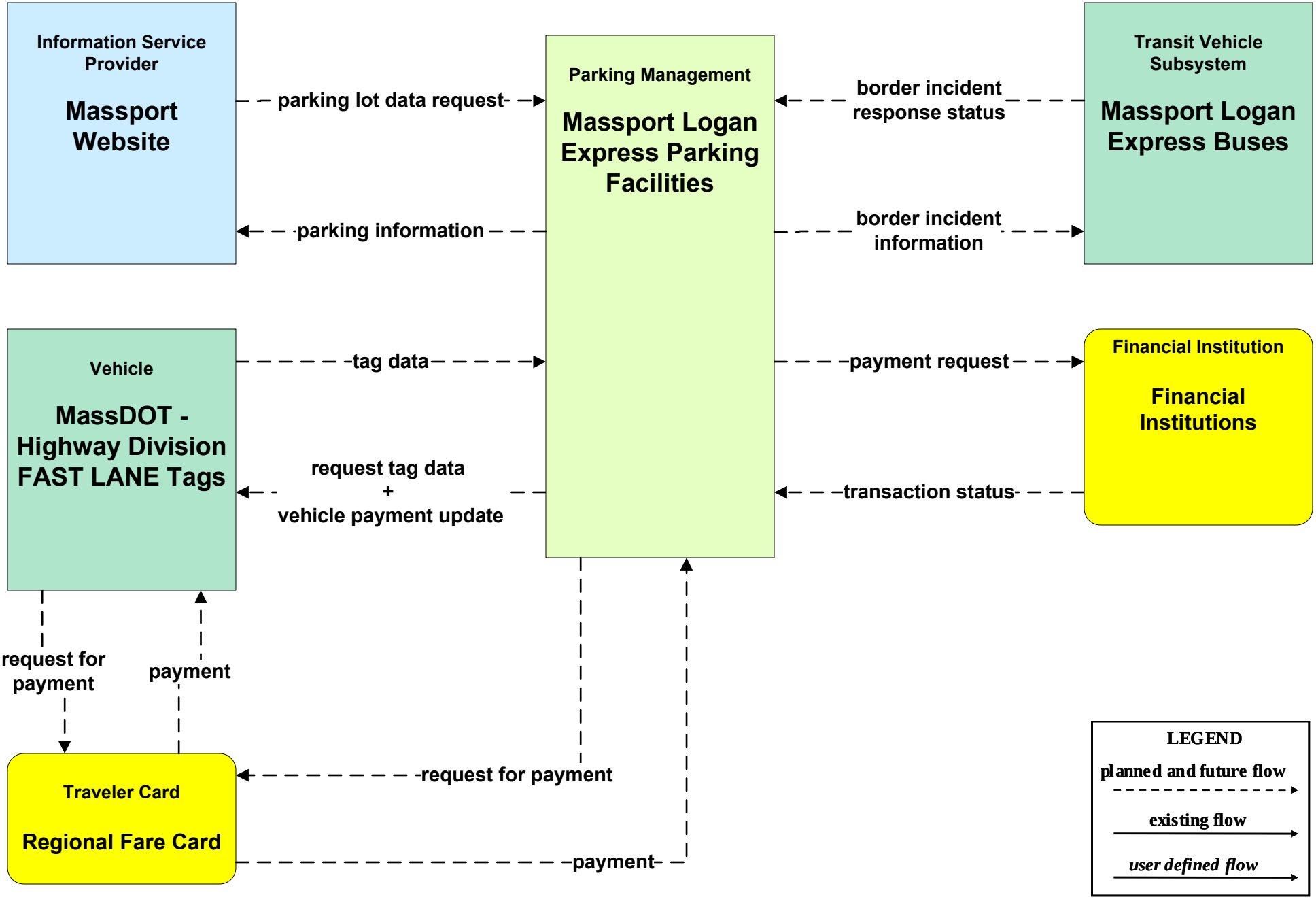
ATMS16 - Parking Facility Management
Boston Transportation Department



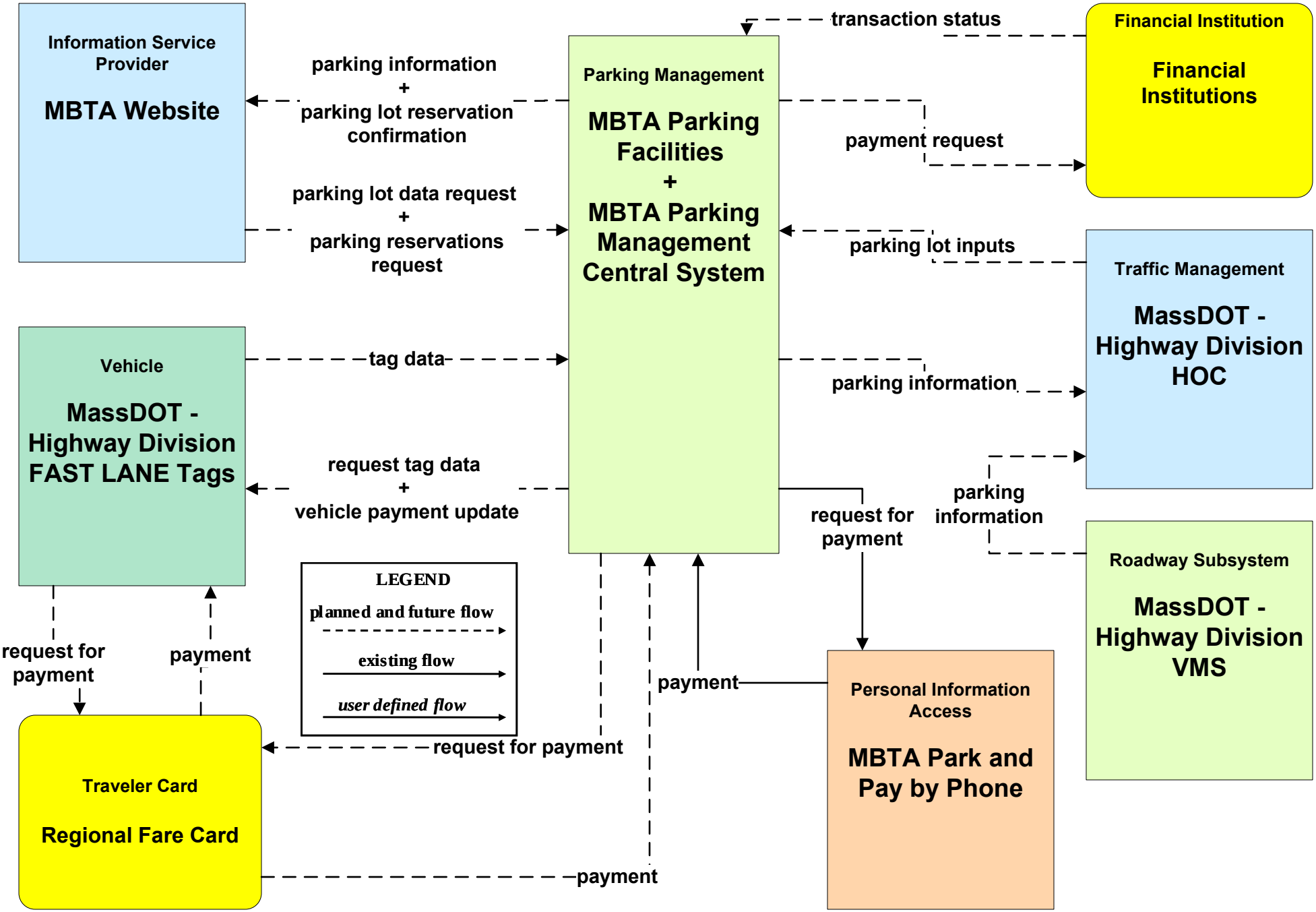
ATMS16 - Parking Facility Management
MassPort Logan Parking Management System



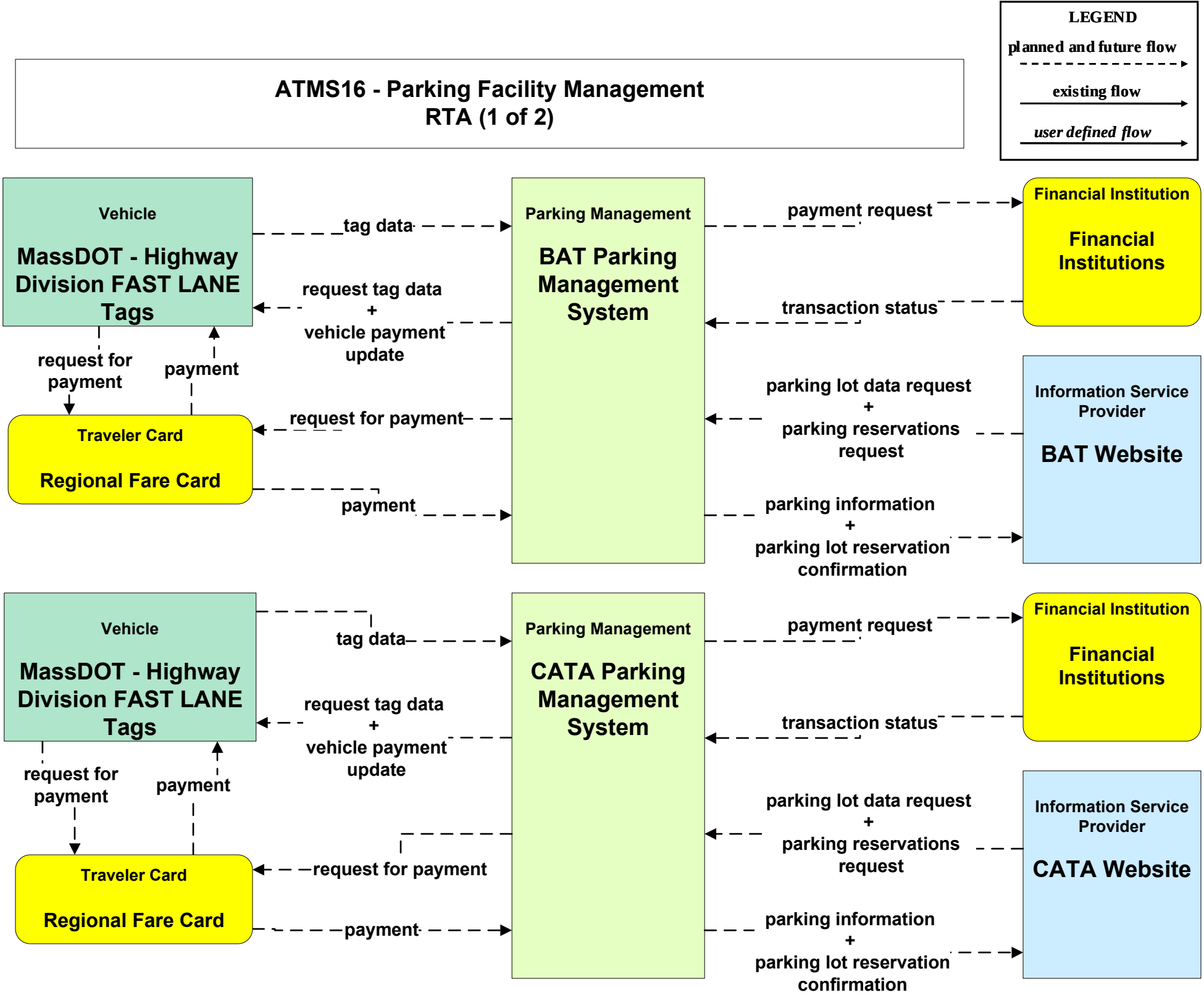
ATMS16 - Parking Facility Management
MassPort Logan Express Parking Facilities



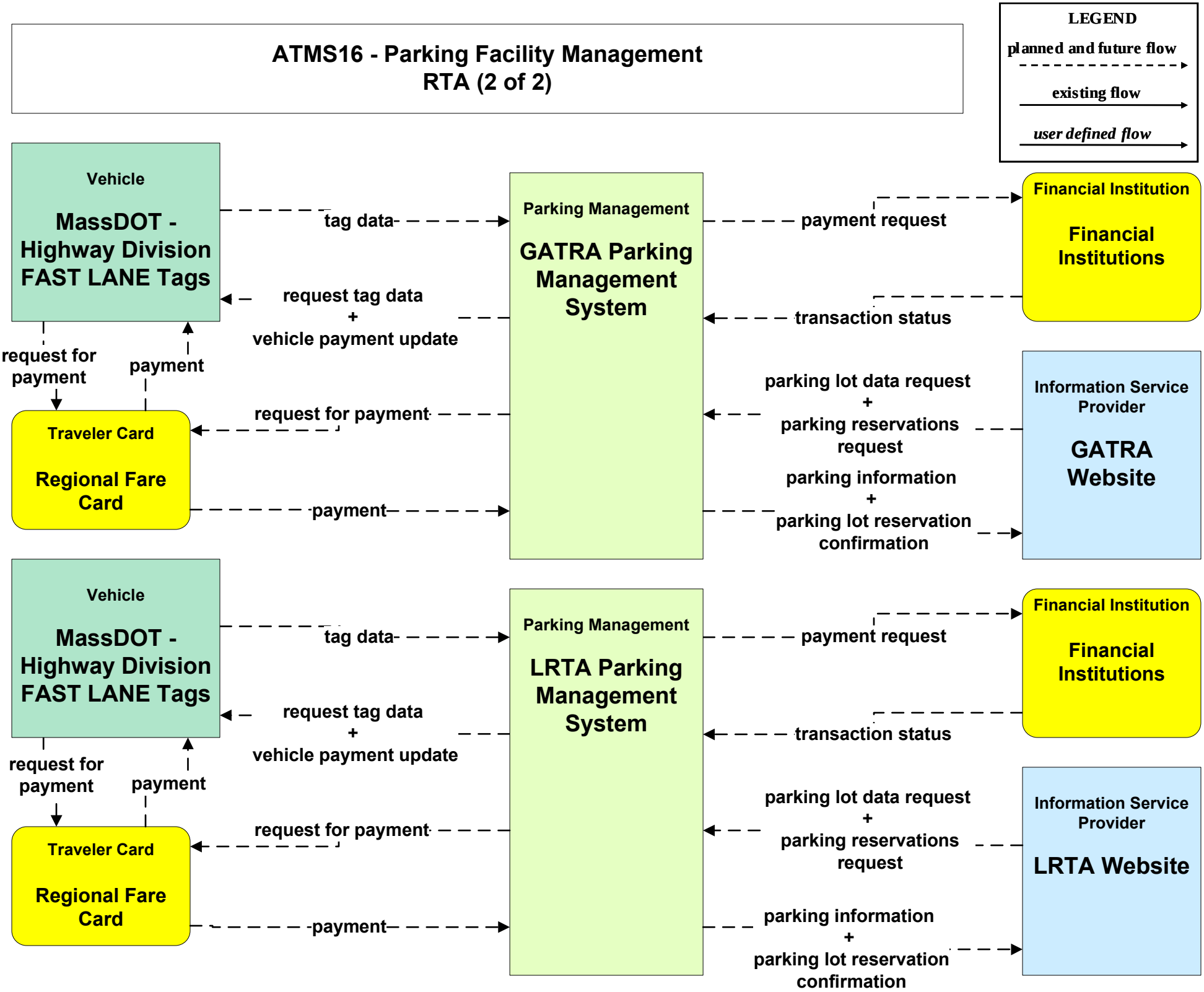
ATMS16 - Parking Facility Management
MBTA Parking Management System



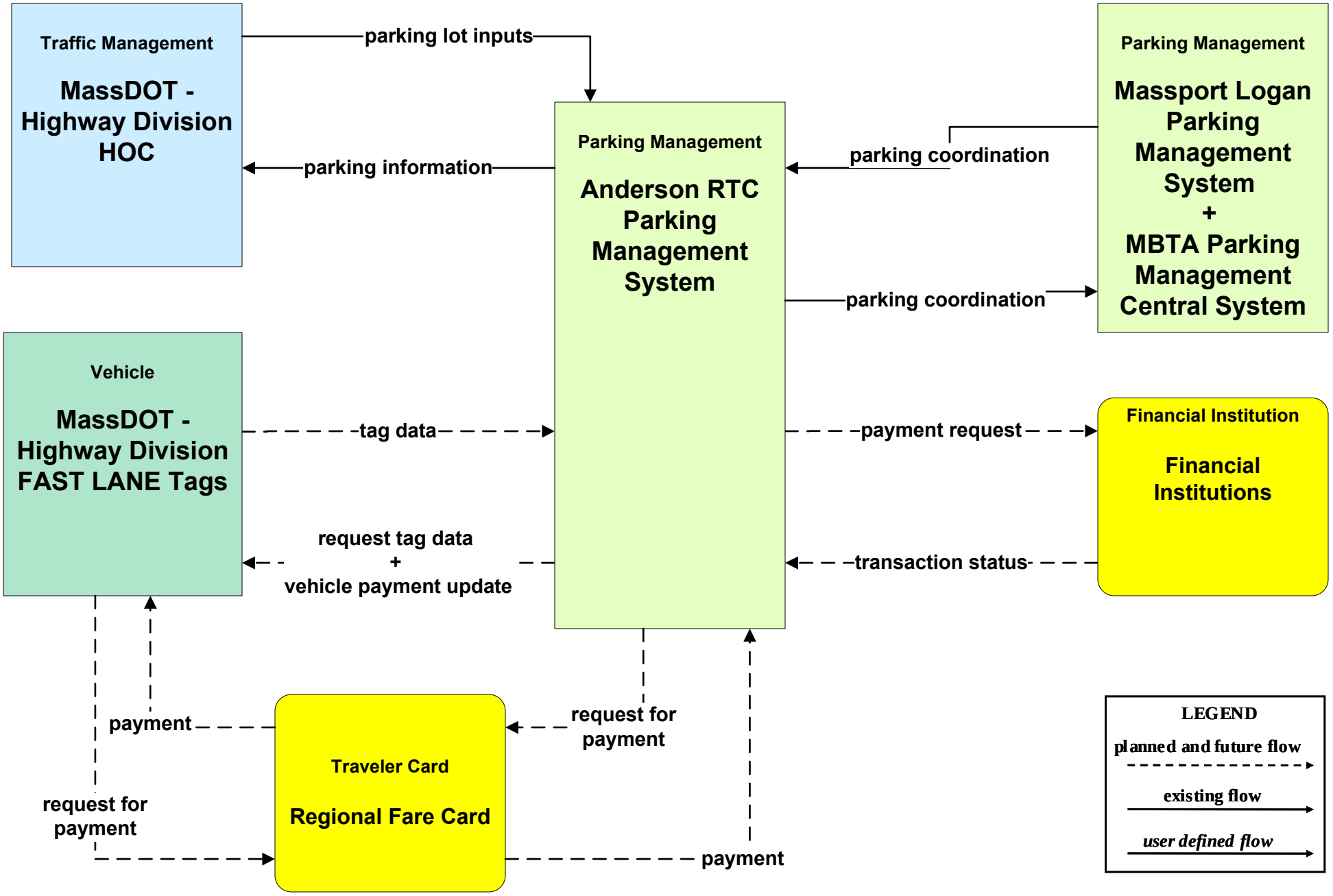
ATMS16 - Parking Facility Management
RTA (1 of 2)



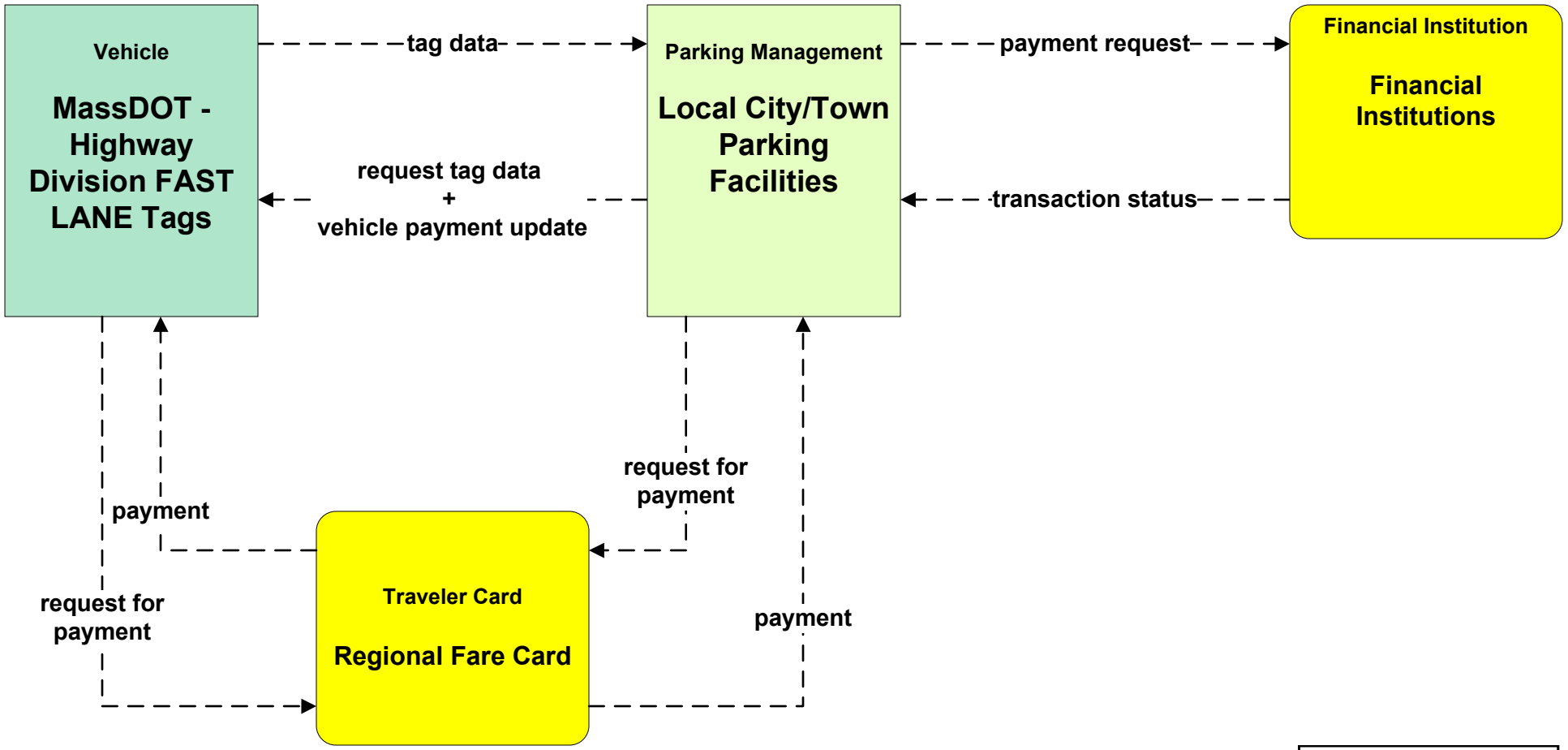
ATMS16 - Parking Facility Management
RTA (2 of 2)



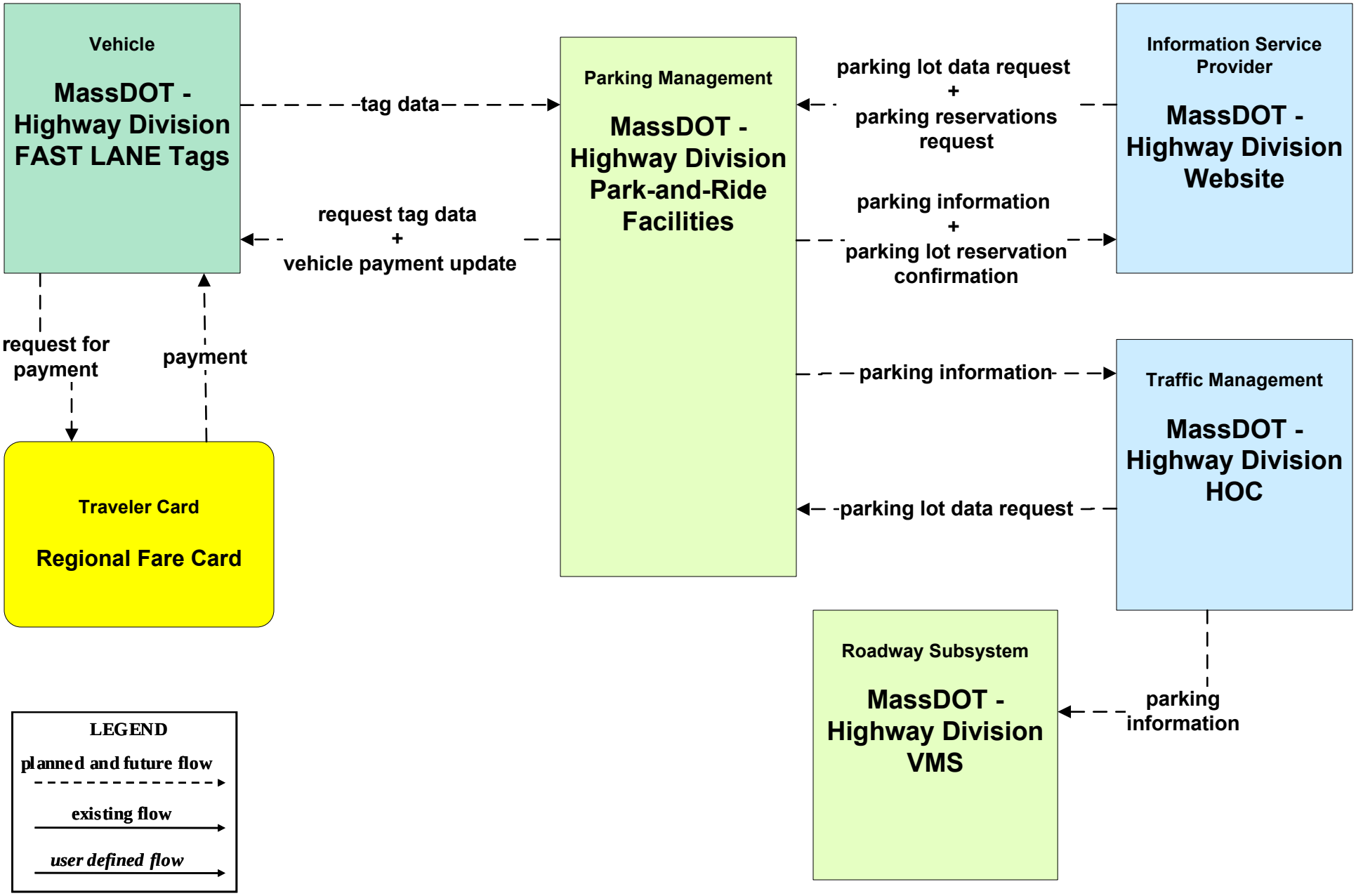
ATMS16 - Parking Facility Management
Anderson RTC Parking Management System



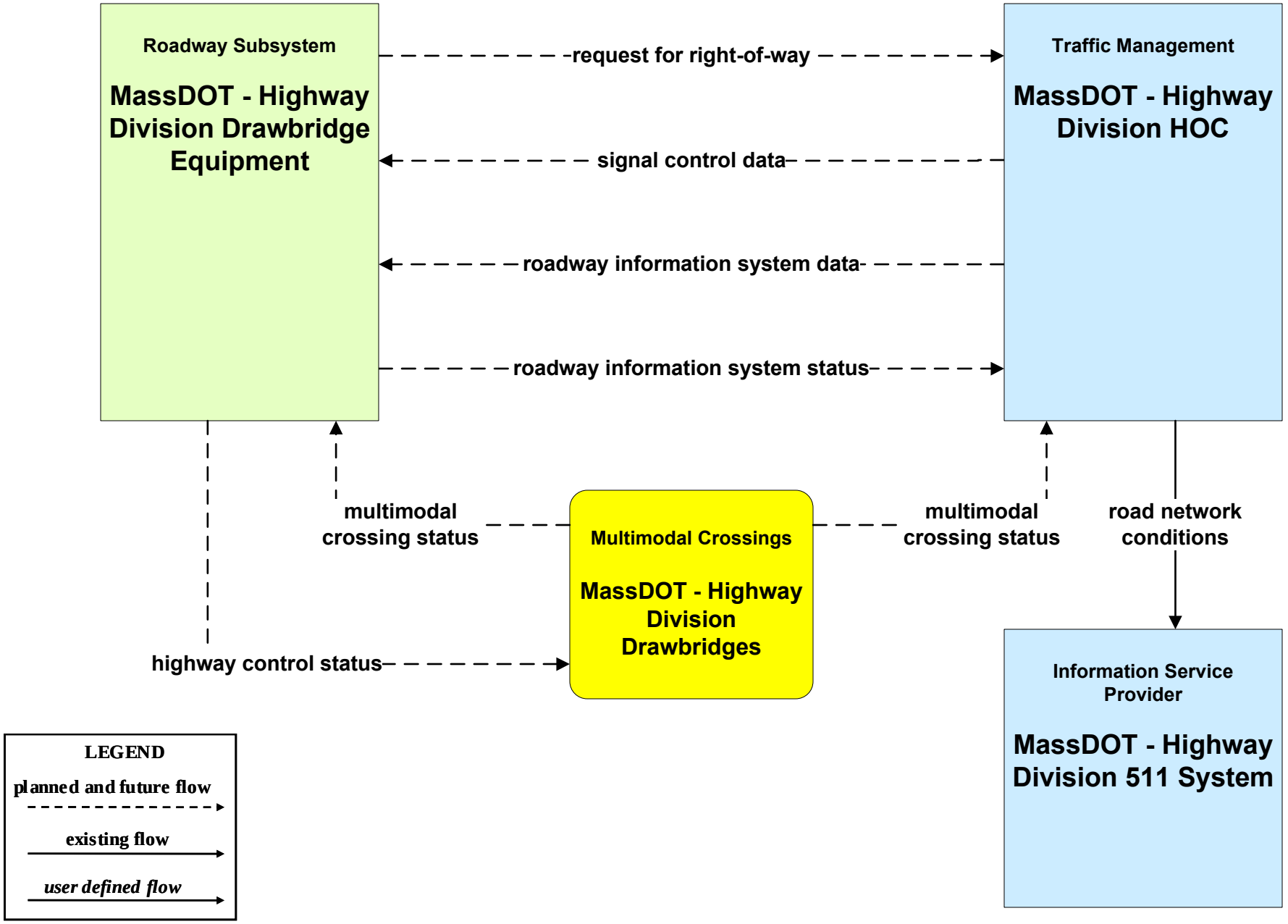
ATMS16 - Parking Facility Management
Local Cities/Towns



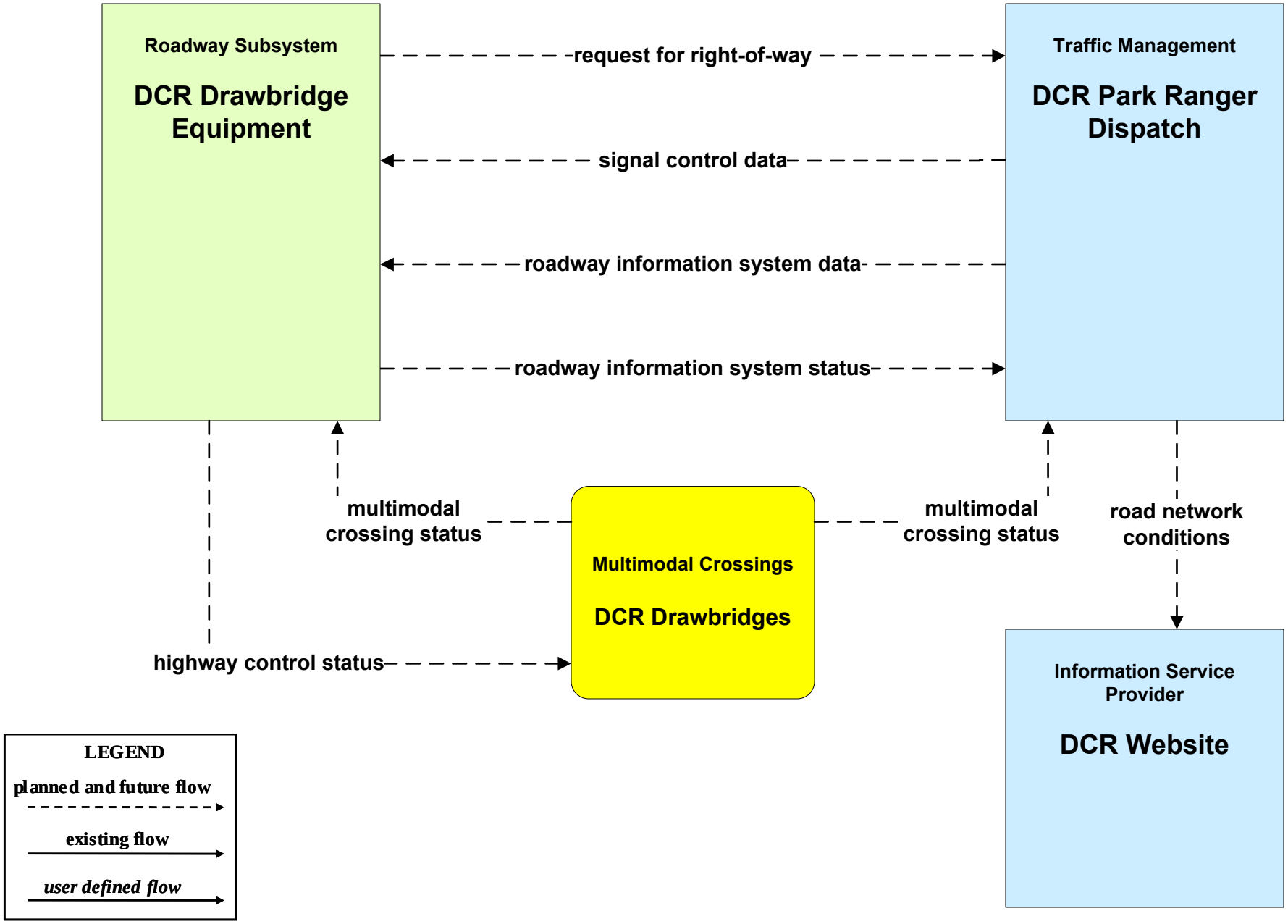
ATMS16 - Parking Facility Management
MassDOT - Highway Division Park-and-Ride



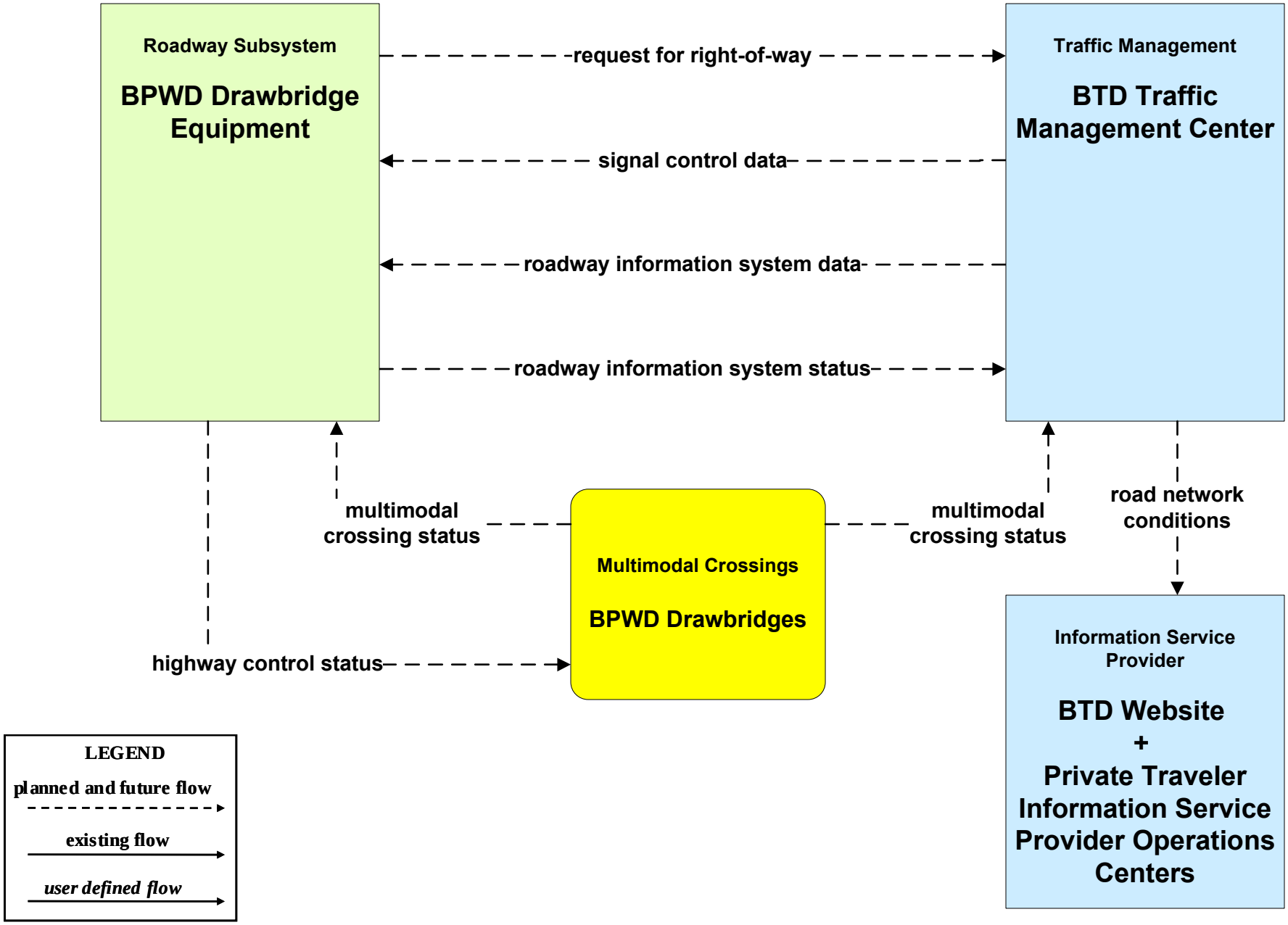
ATMS20 - Drawbridge Management
MassDOT - Highway Division



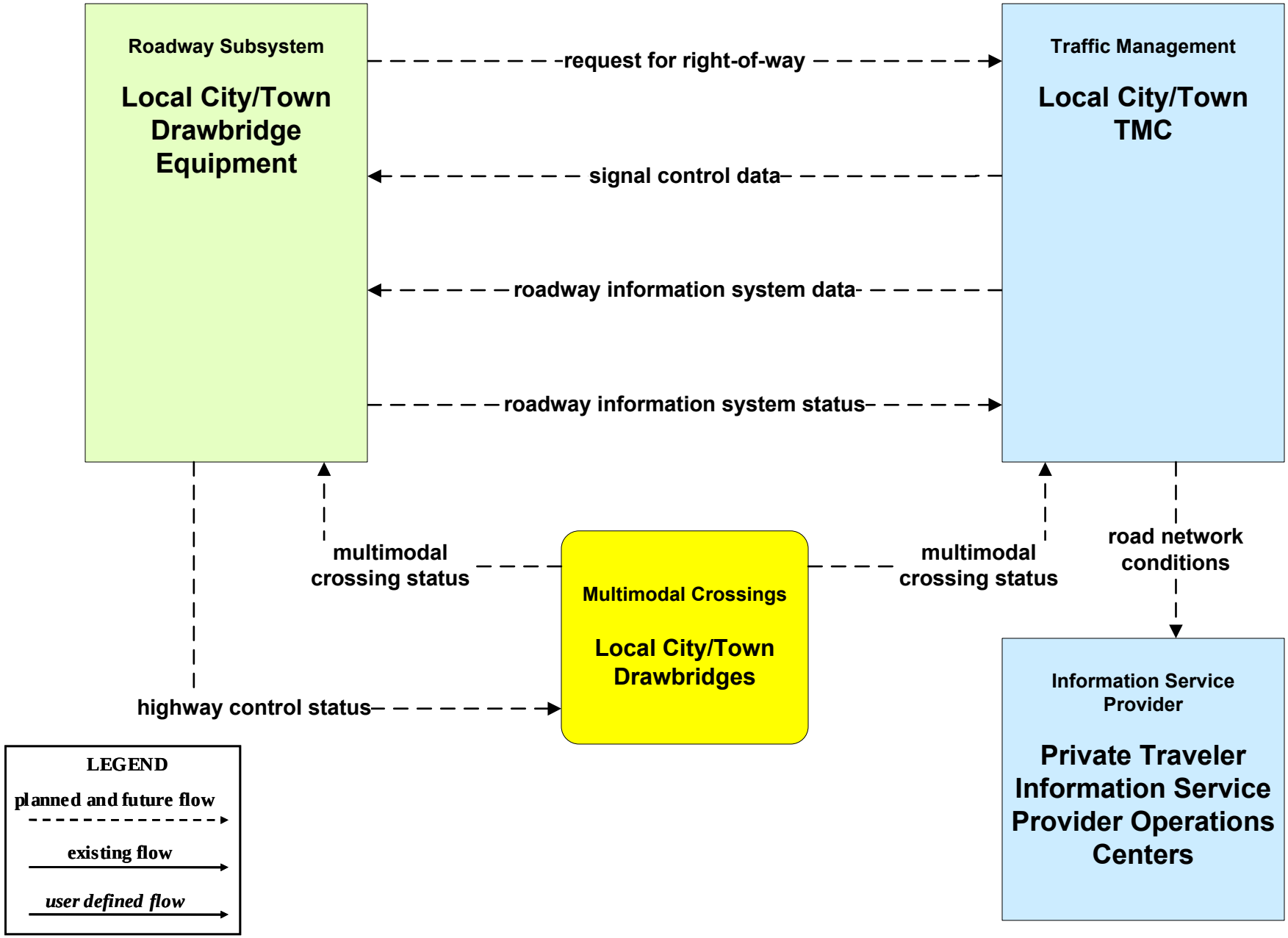
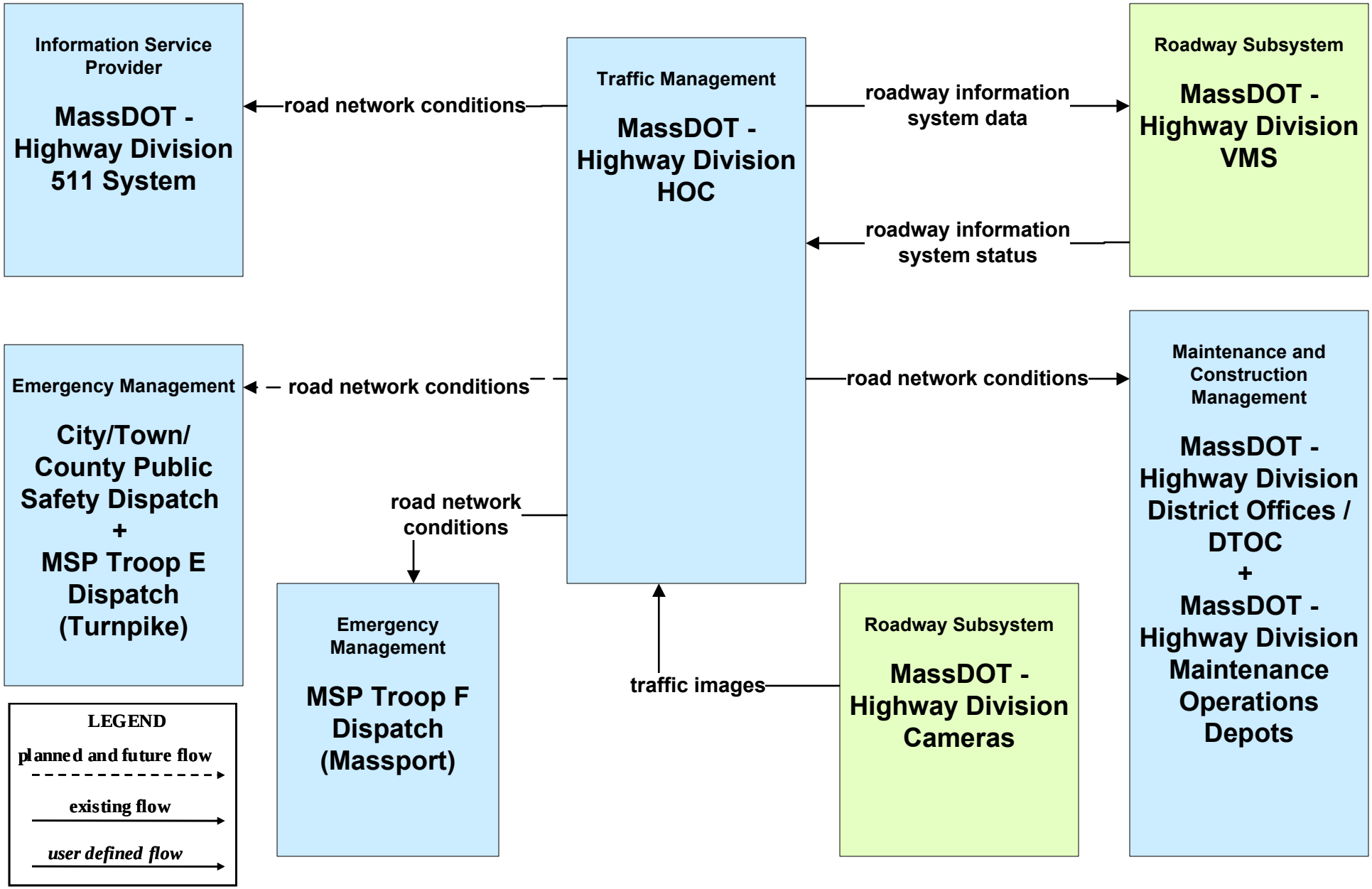
ATMS20 - Drawbridge Management
DCR



ATMS20 - Drawbridge Management
Boston Public Works Department



ATMS20 - Drawbridge Management
Local Cities/Towns



ATMS21 - Road Closure Management
MassDOT - Highway Division