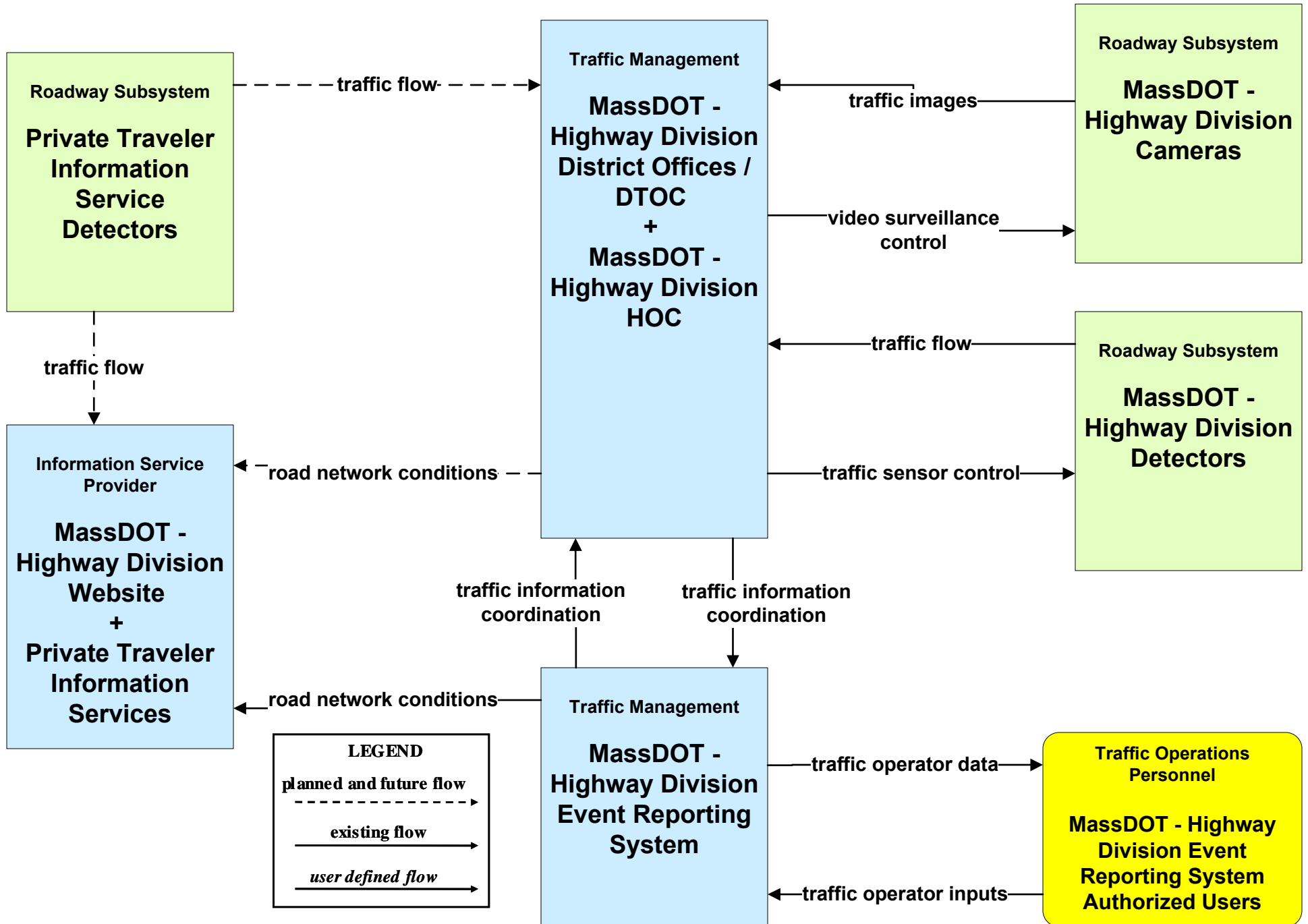


Central Massachusetts Regional ITS Architecture

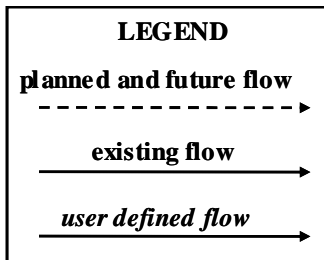
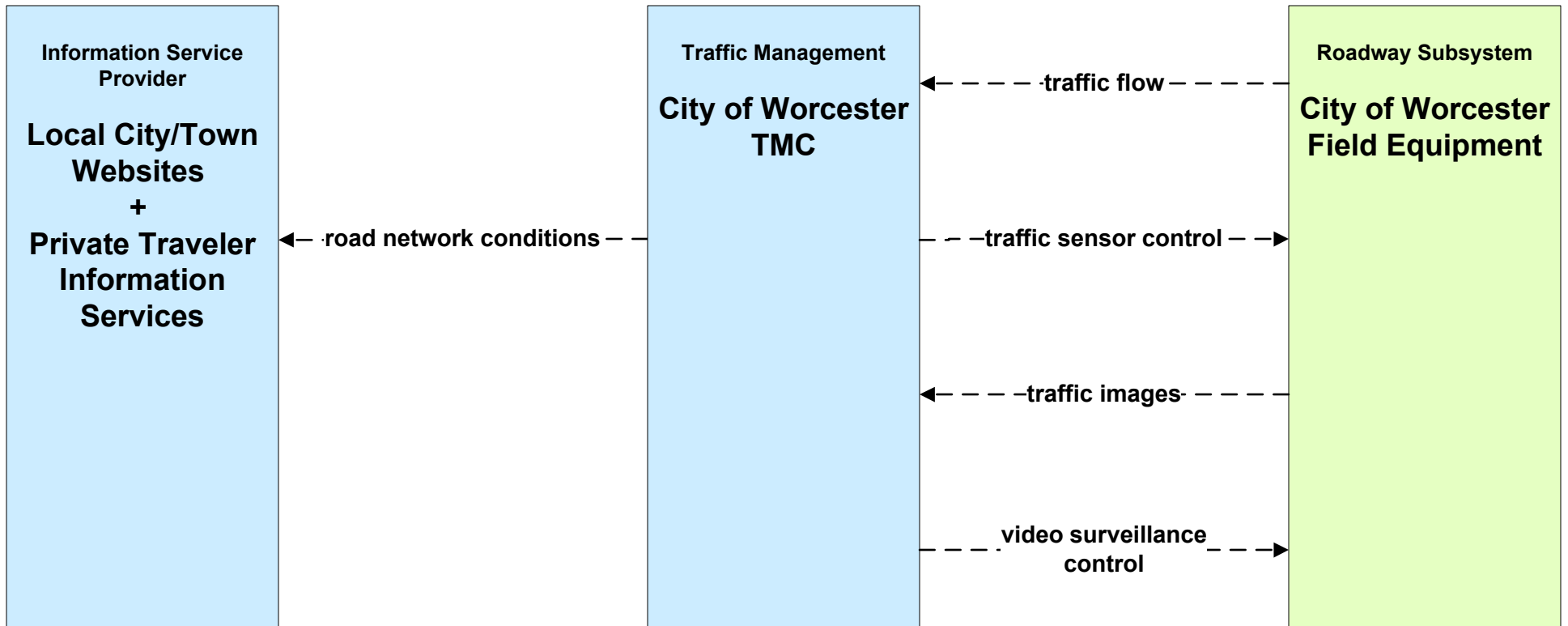
Customized Market Package Diagrams

**Advanced Traffic Management Systems
(ATMS)**

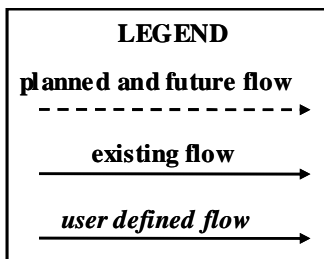
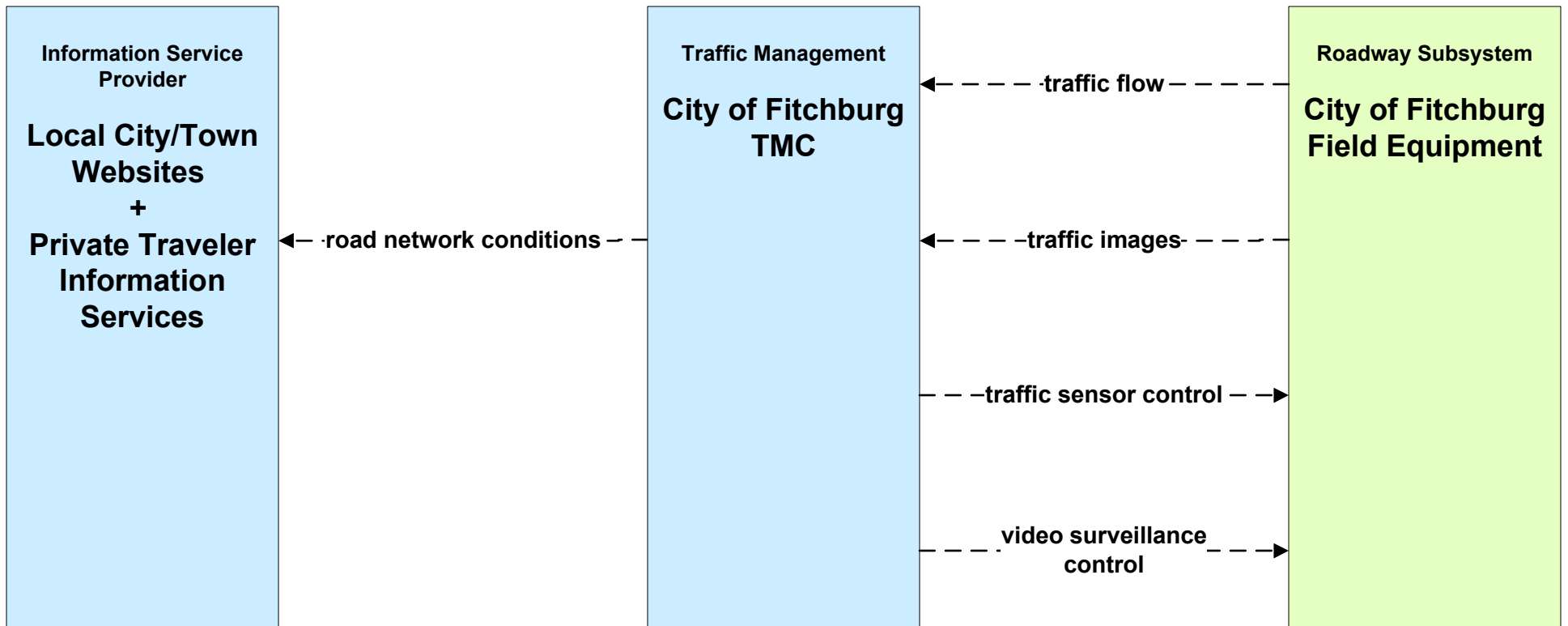
ATMS01 - Network Surveillance MassDOT - Highway Division



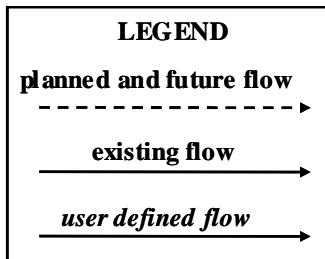
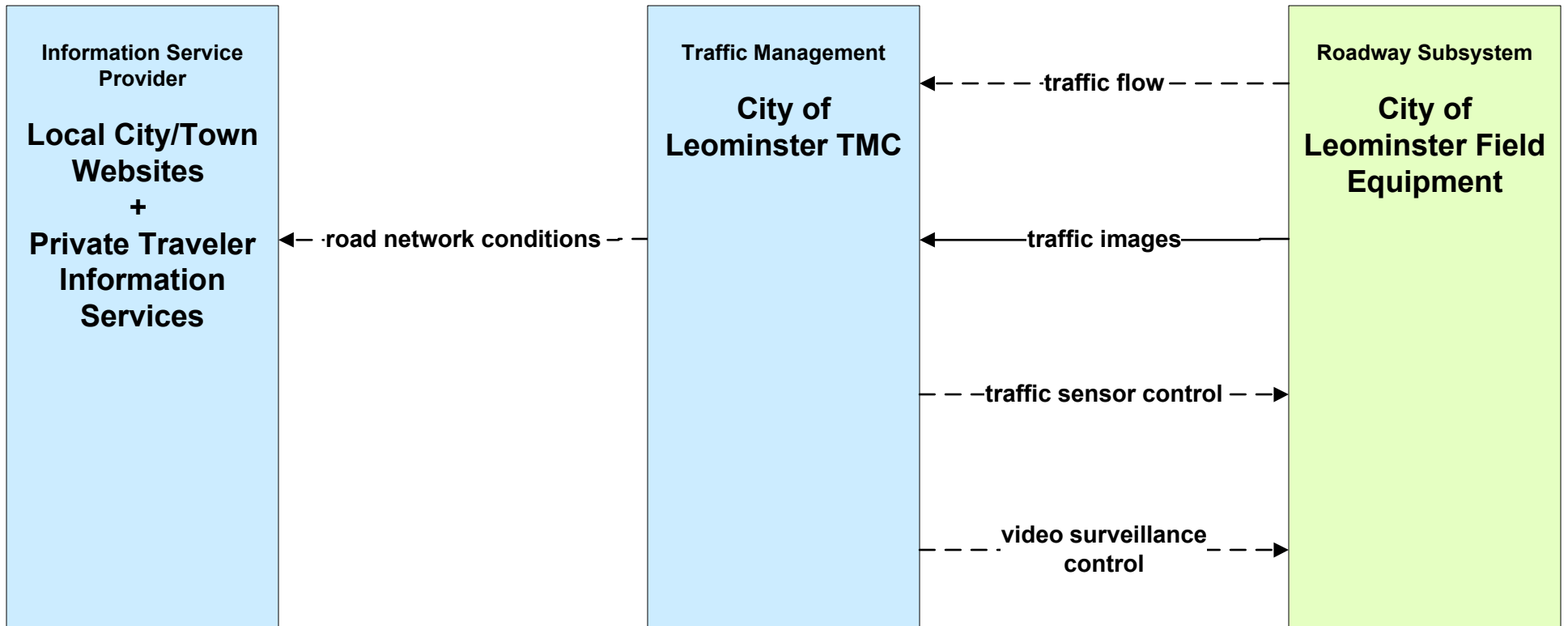
**ATMS01 - Network Surveillance
City of Worcester**



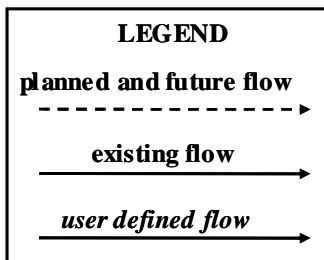
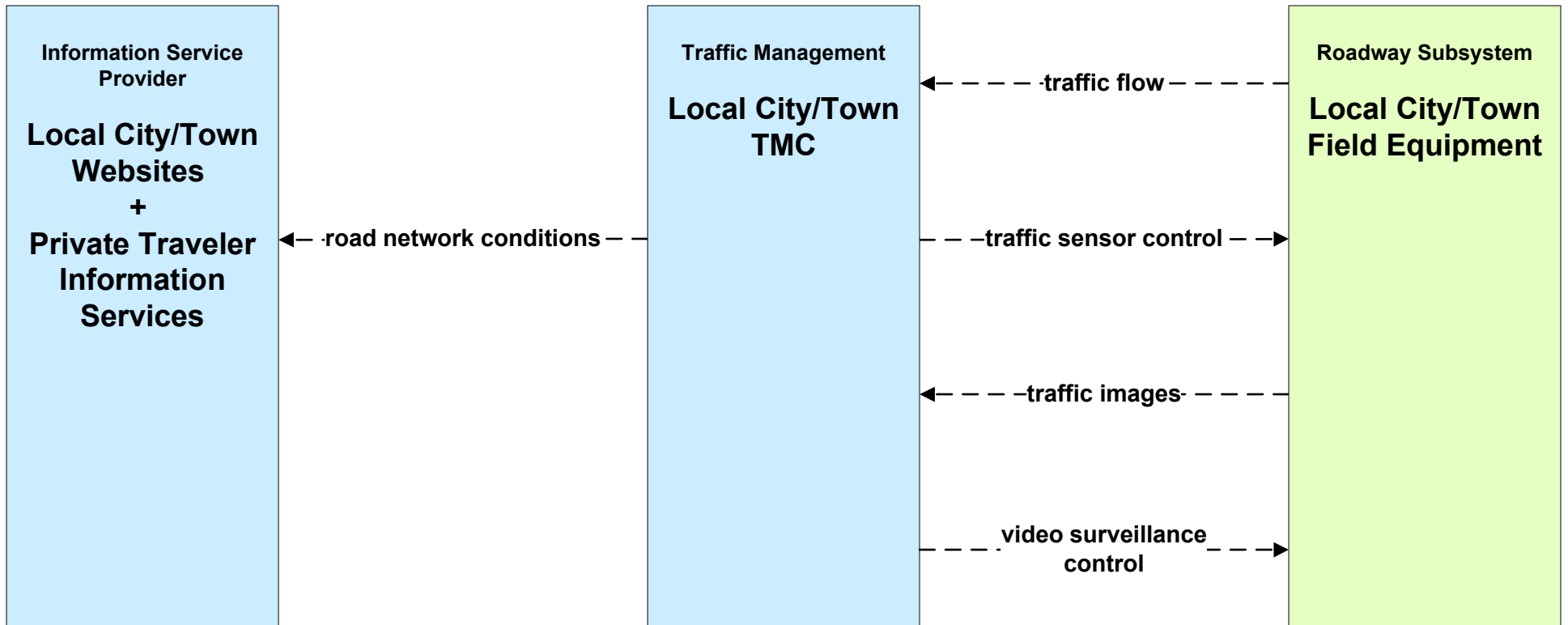
ATMS01 - Network Surveillance City of Fitchburg



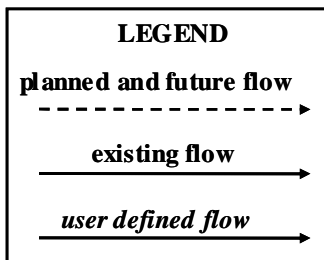
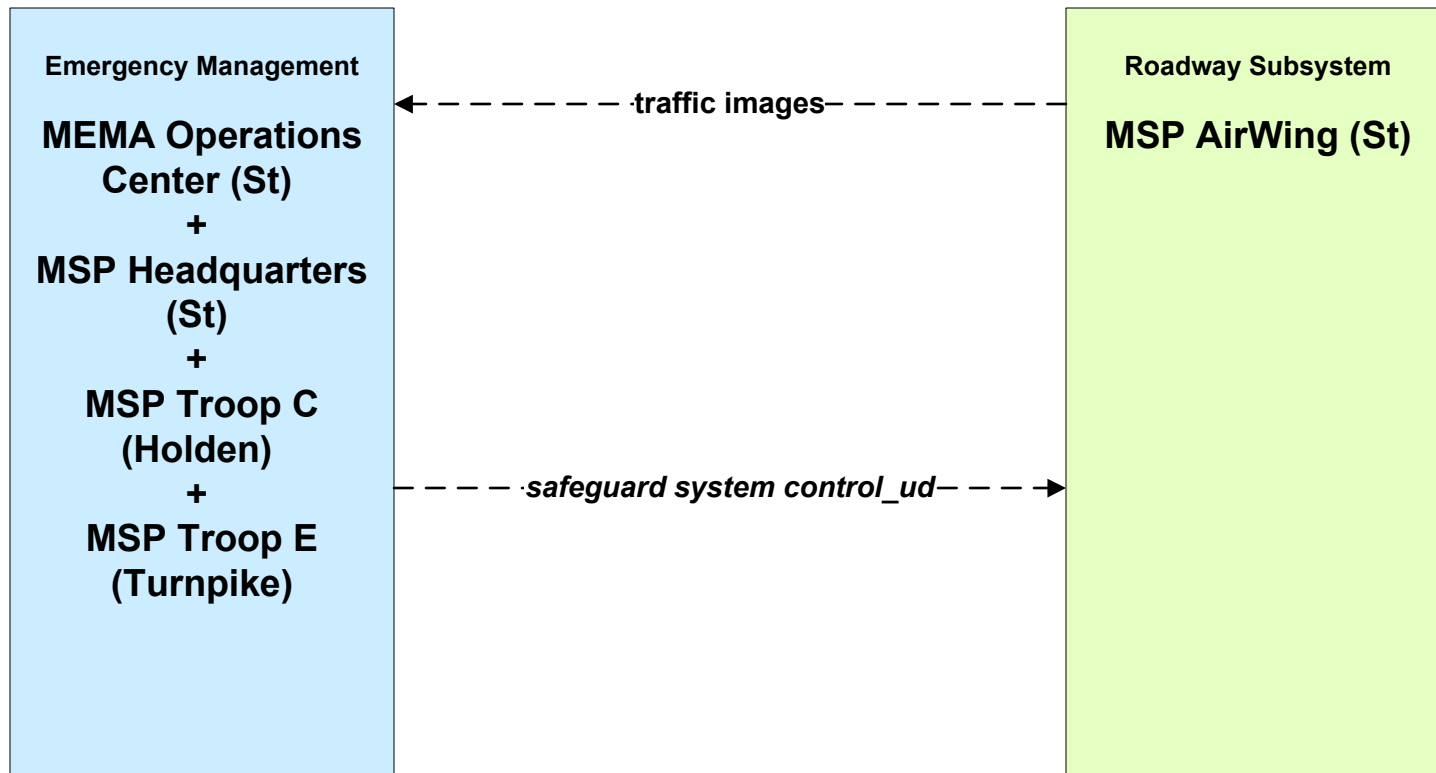
**ATMS01 - Network Surveillance
City of Leominster**



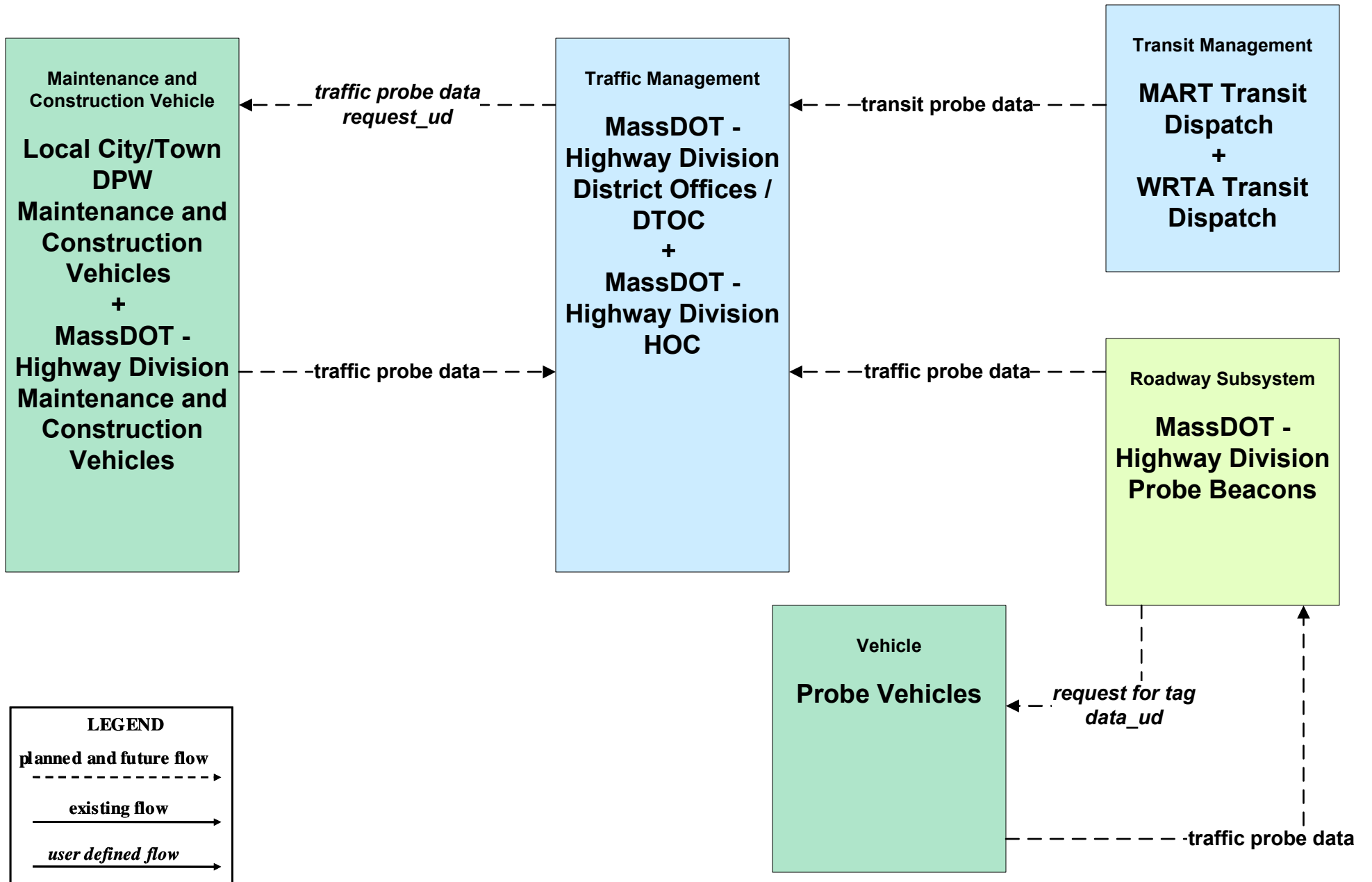
ATMS01 - Network Surveillance Local City/Town



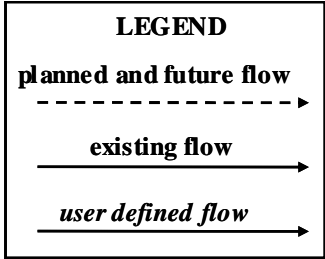
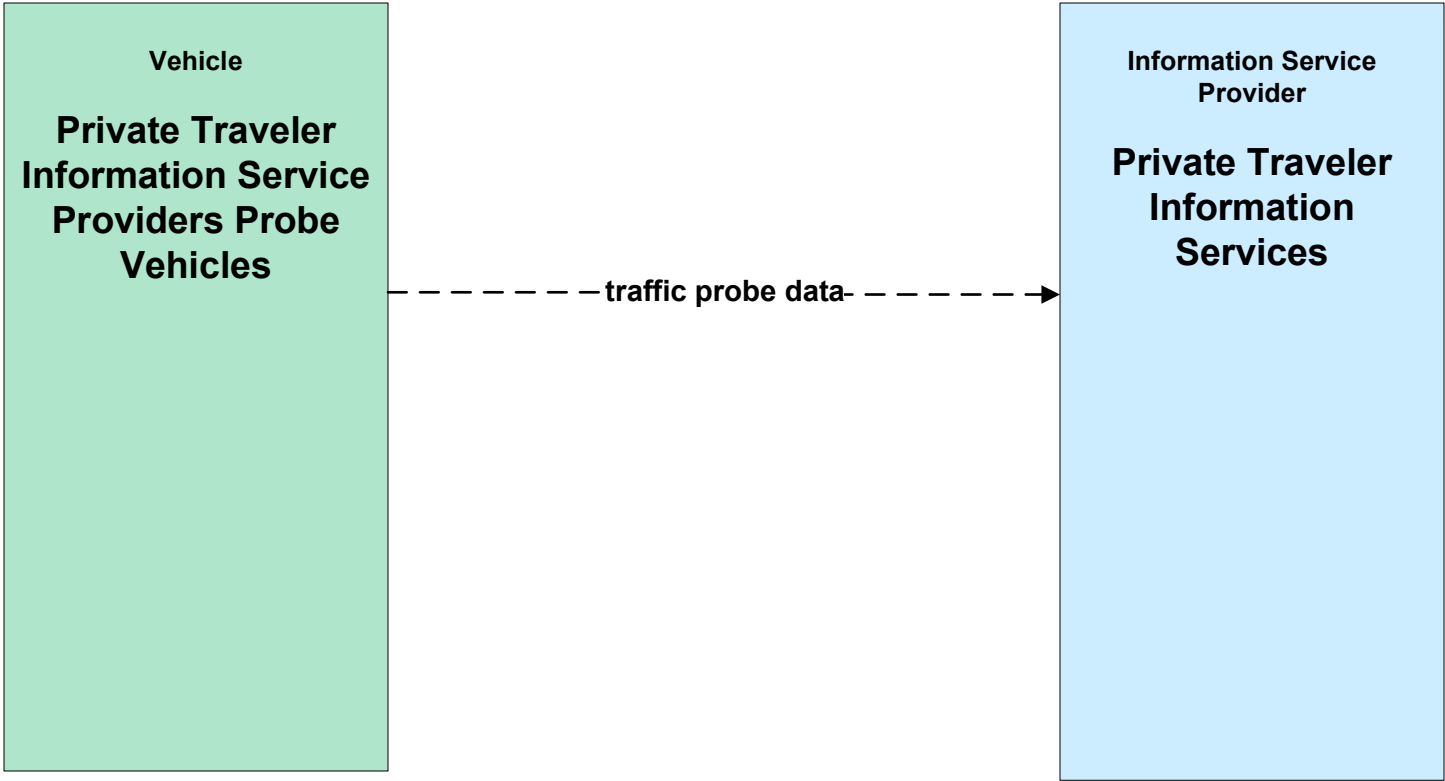
**ATMS01 - Network Surveillance
MSP**



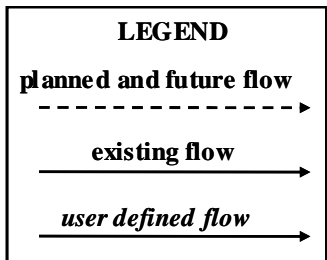
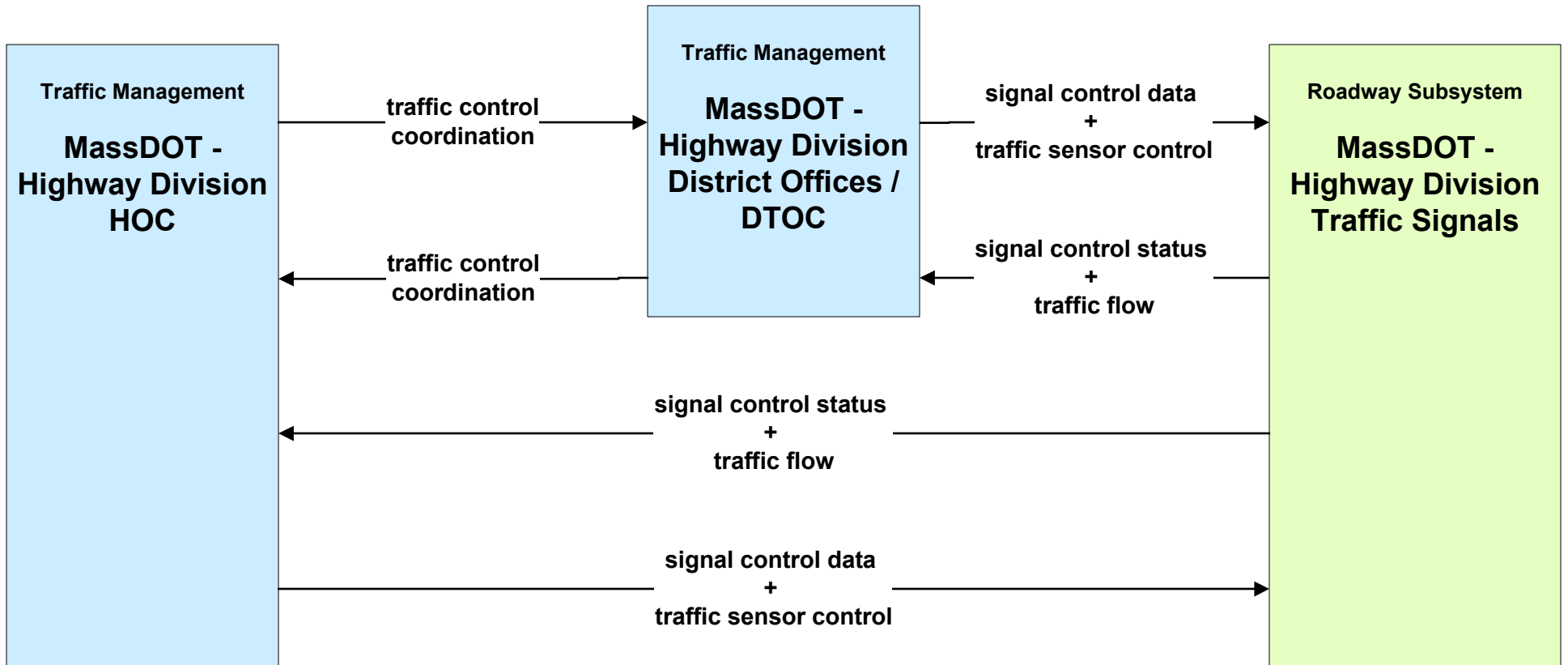
**ATMS02 - Probe Surveillance
MassDOT - Highway Division**



ATMS02 - Probe Surveillance
Private Traveler Information Service Providers

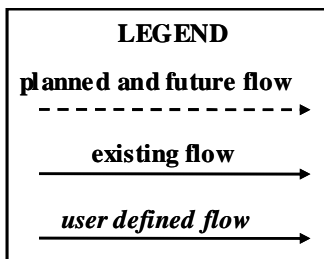
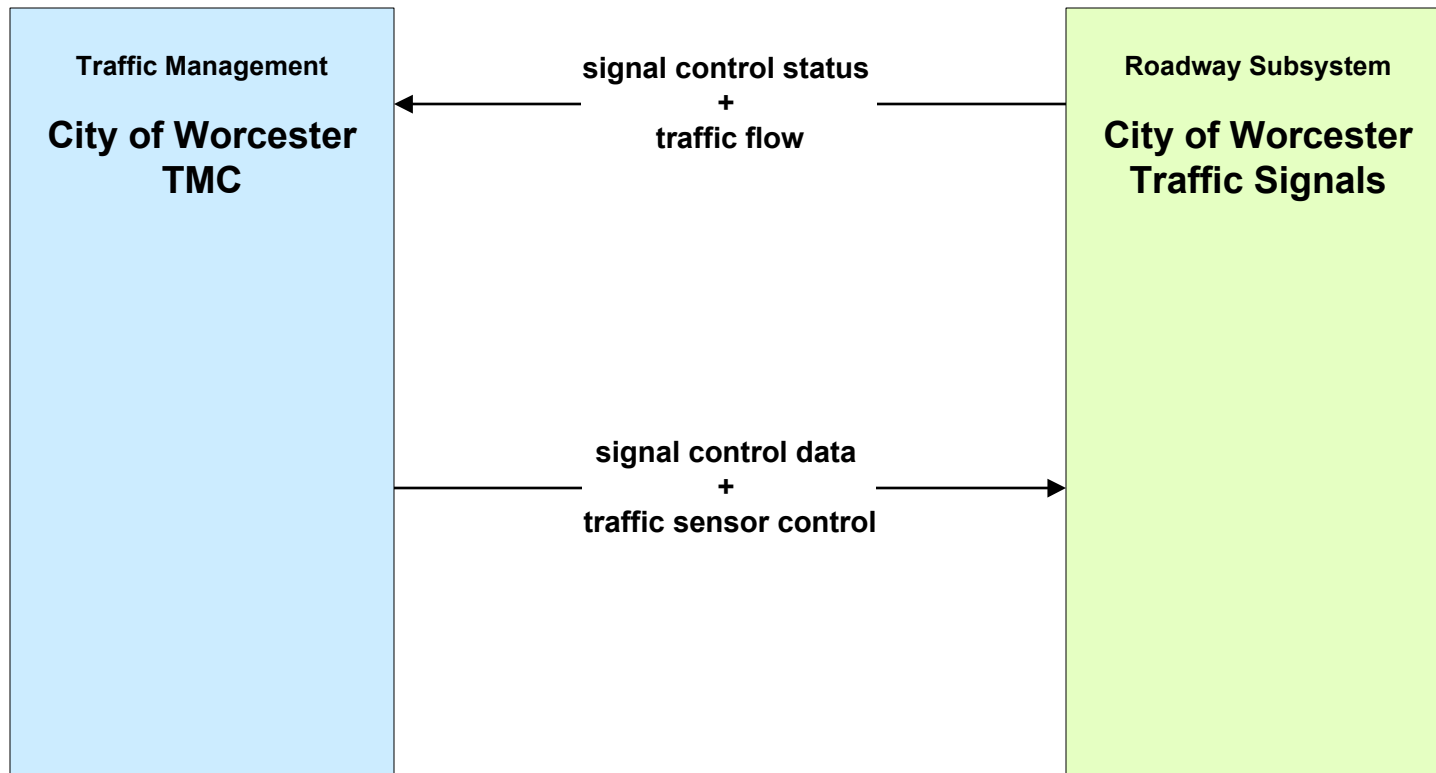


**ATMS03 - Surface Street Control
MassDOT - Highway Division**

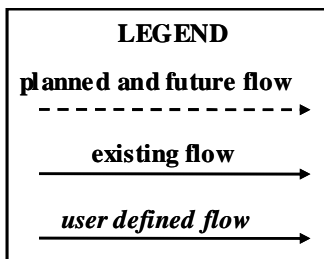
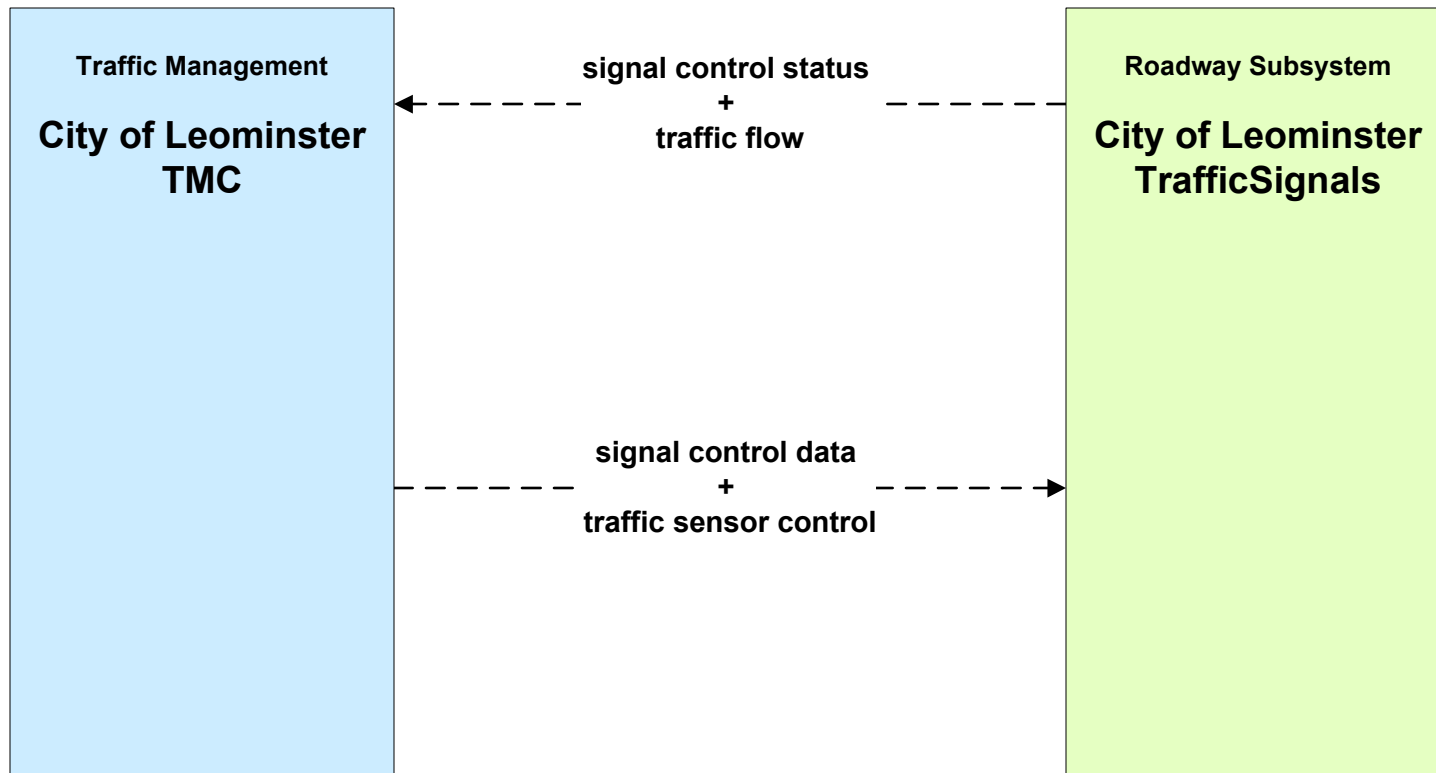


MassDOT Highway Operations Center shall maintain control of MassDOT Traffic Signals when the MassDOT Highway District Offices and Maintenance Depots are closed or there is an outstanding emergency where it is deemed necessary to do so.

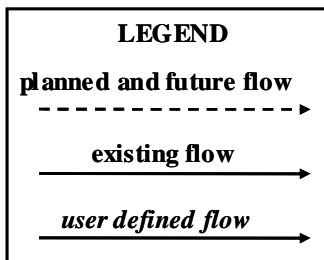
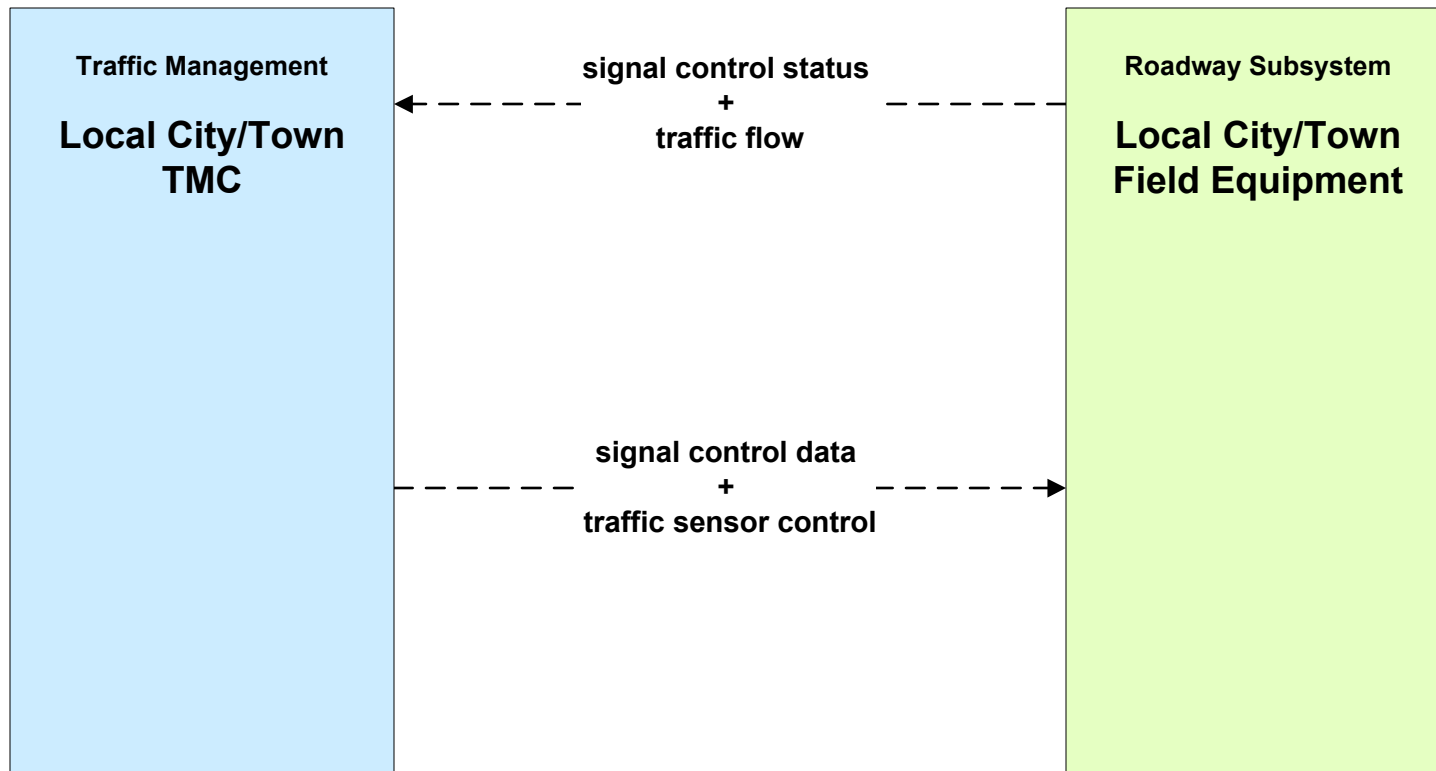
**ATMS03 - Surface Street Control
City of Worcester**



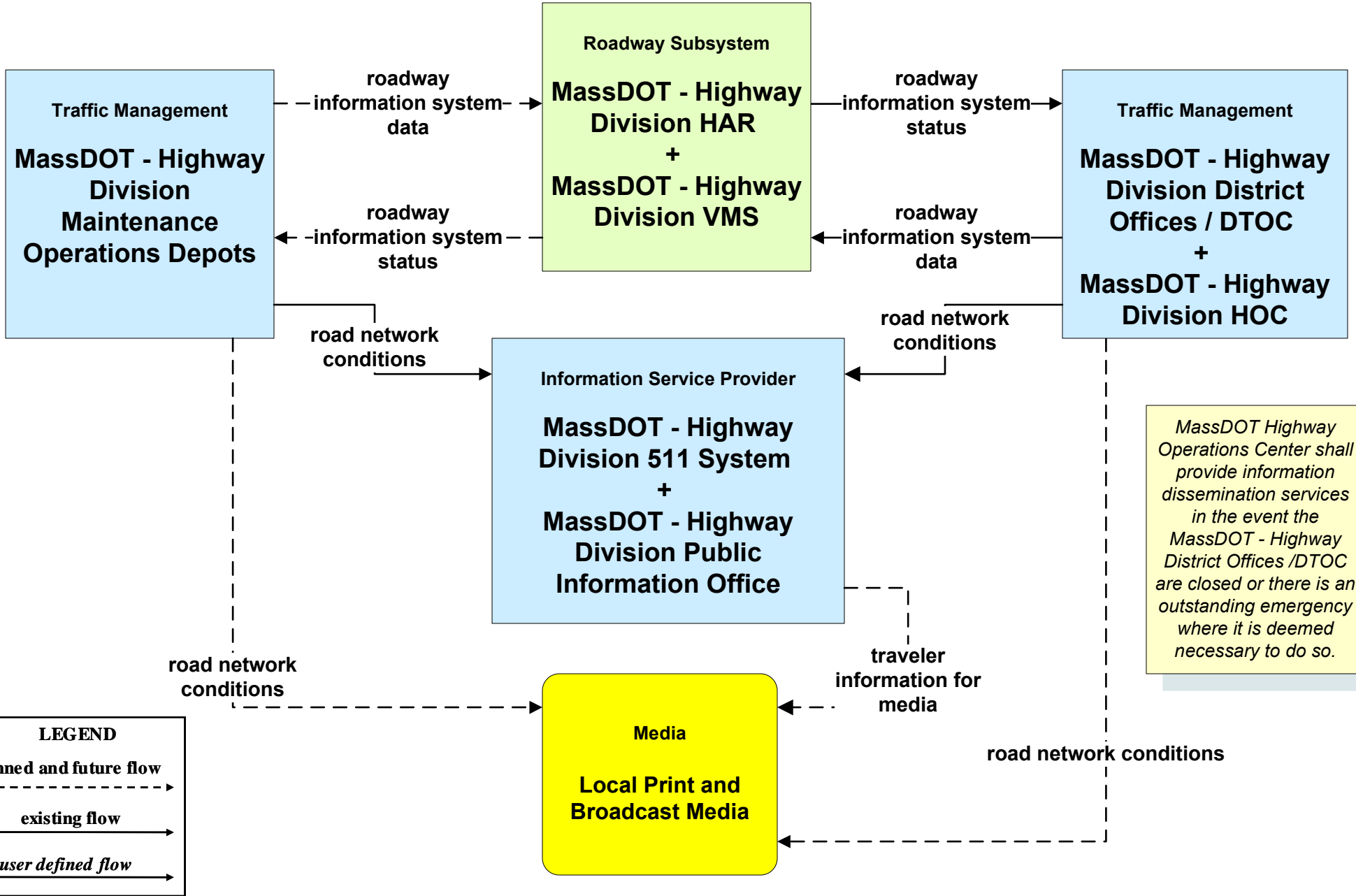
**ATMS03 - Surface Street Control
City of Leominster**



**ATMS03 - Surface Street Control
Local City/Town**

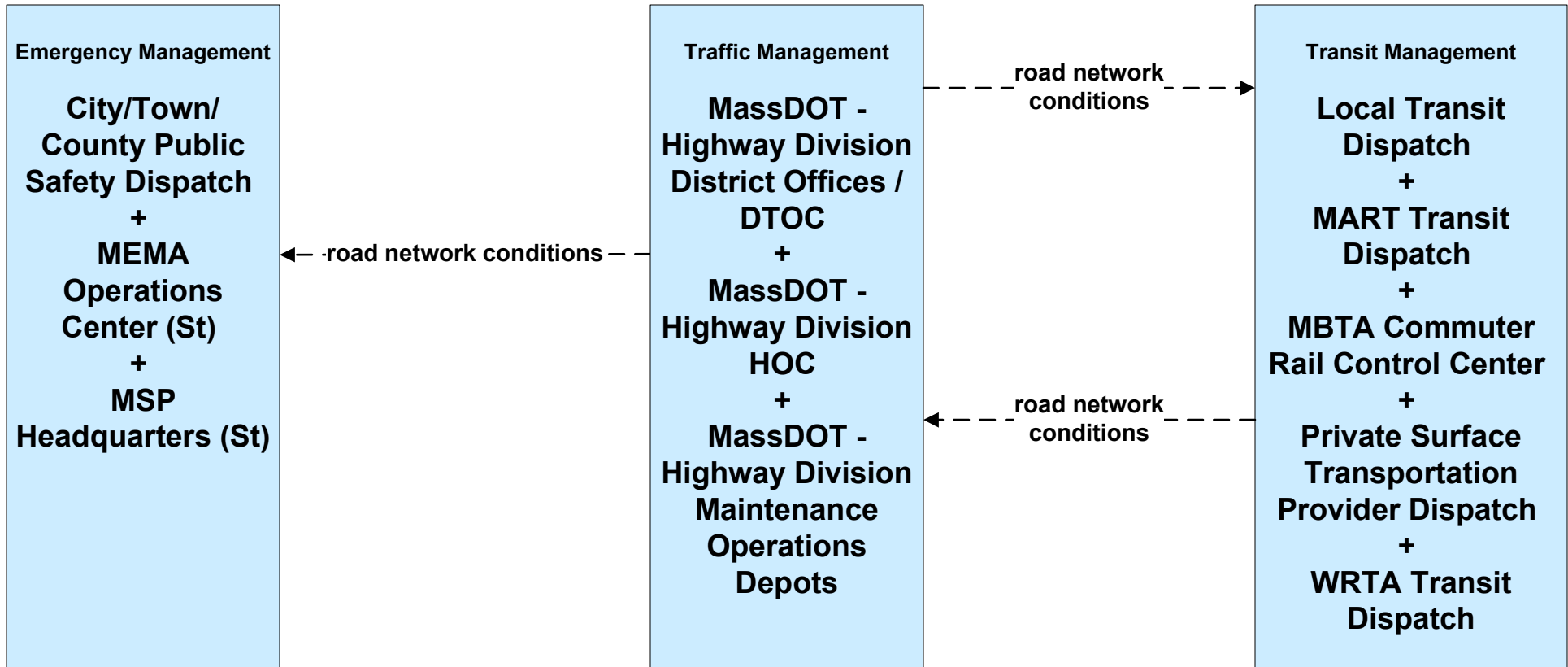


**ATMS06 - Traffic Information Dissemination
MassDOT - Highway Division (1 of 2)**



MassDOT Highway Operations Center shall provide information dissemination services in the event the MassDOT - Highway District Offices / DTOC are closed or there is an outstanding emergency where it is deemed necessary to do so.

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

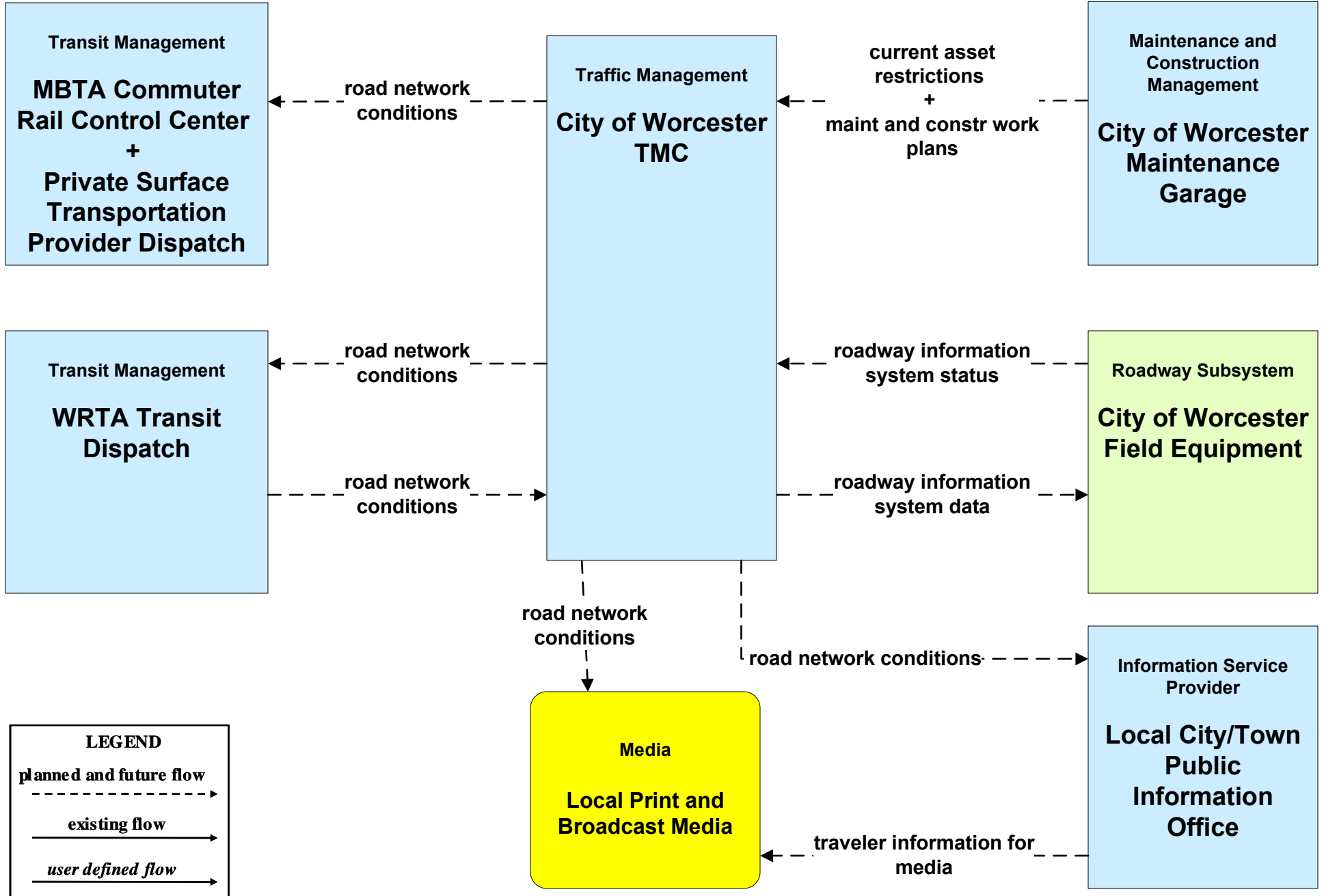


MassDOT Highway Operations Center shall provide information dissemination services in the event the MassDOT - Highway District Offices / DTOC are closed or there is an outstanding emergency where it is deemed necessary to do so.

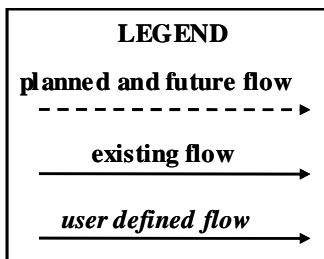
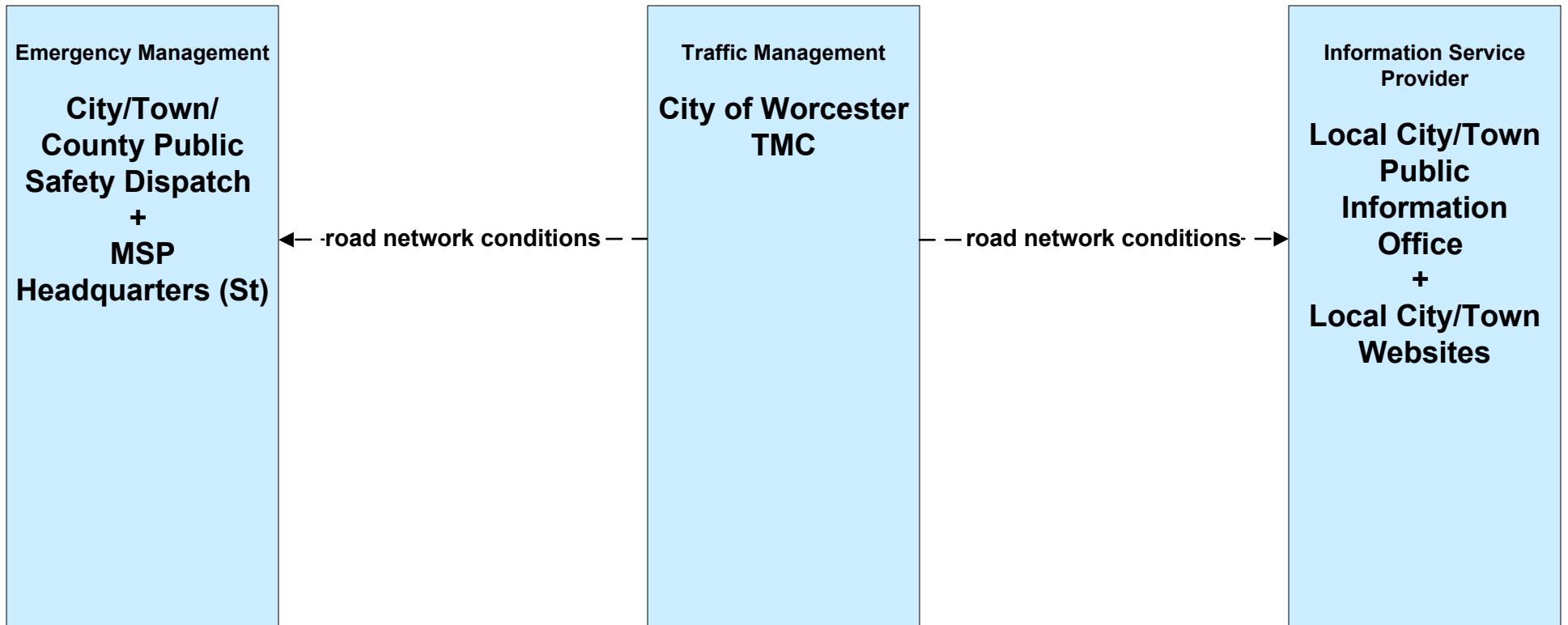
LEGEND

- planned and future flow
- existing flow
- user defined flow

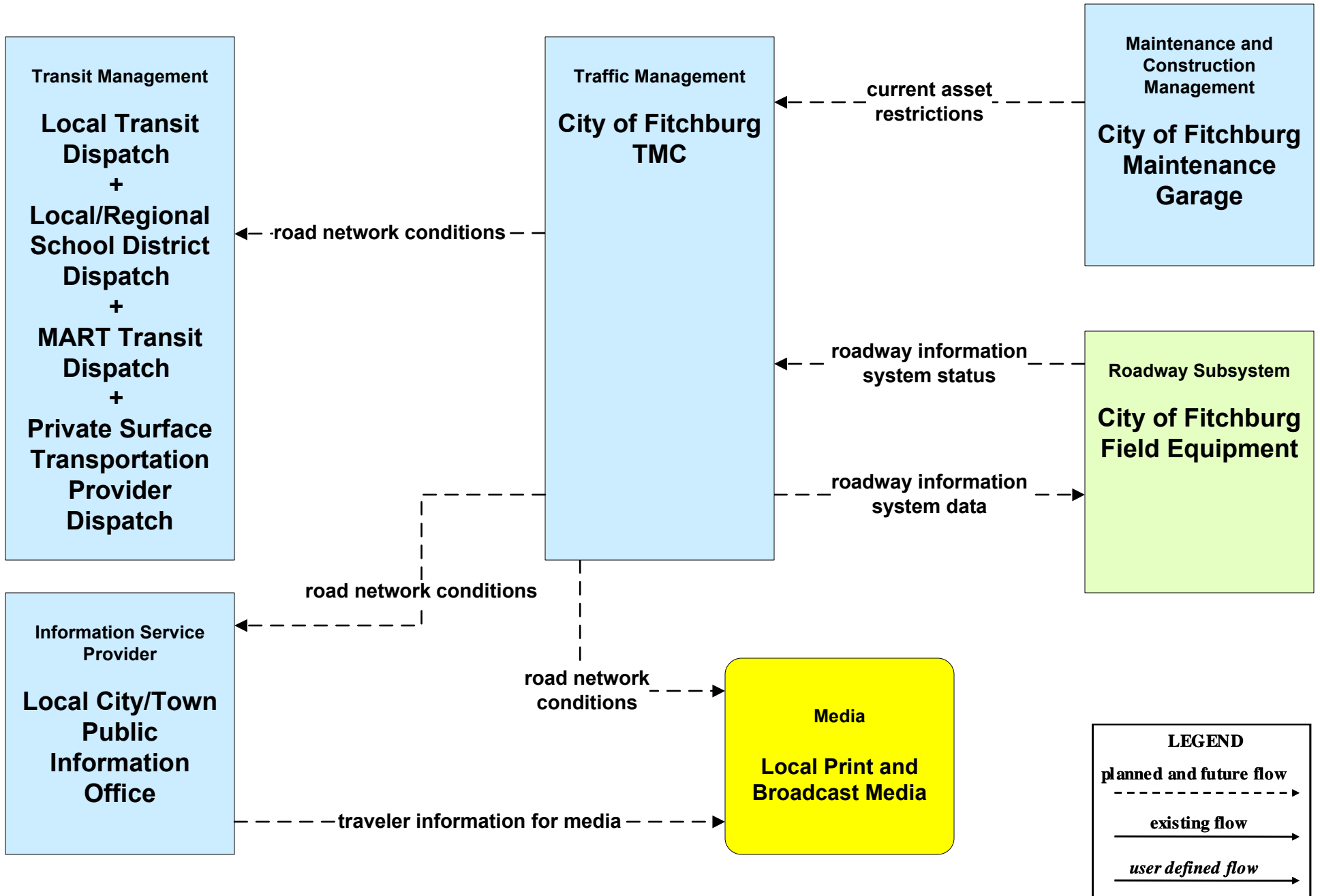
ATMS06 - Traffic Information Dissemination City of Worcester



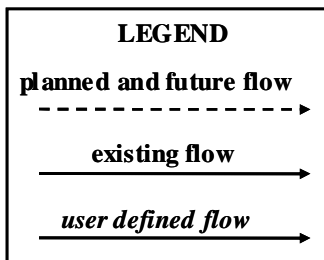
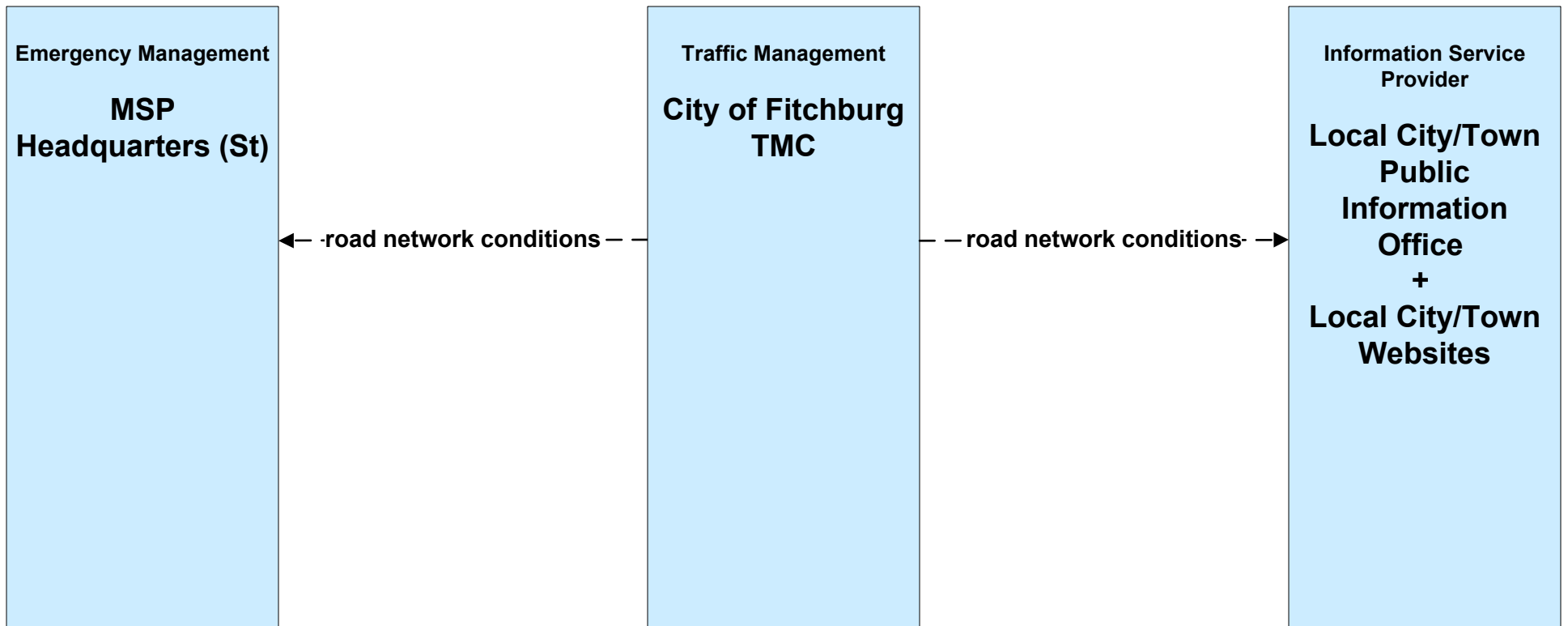
**ATMS06 - Traffic Information Dissemination
City of Worcester (TM to EM / ISP)**



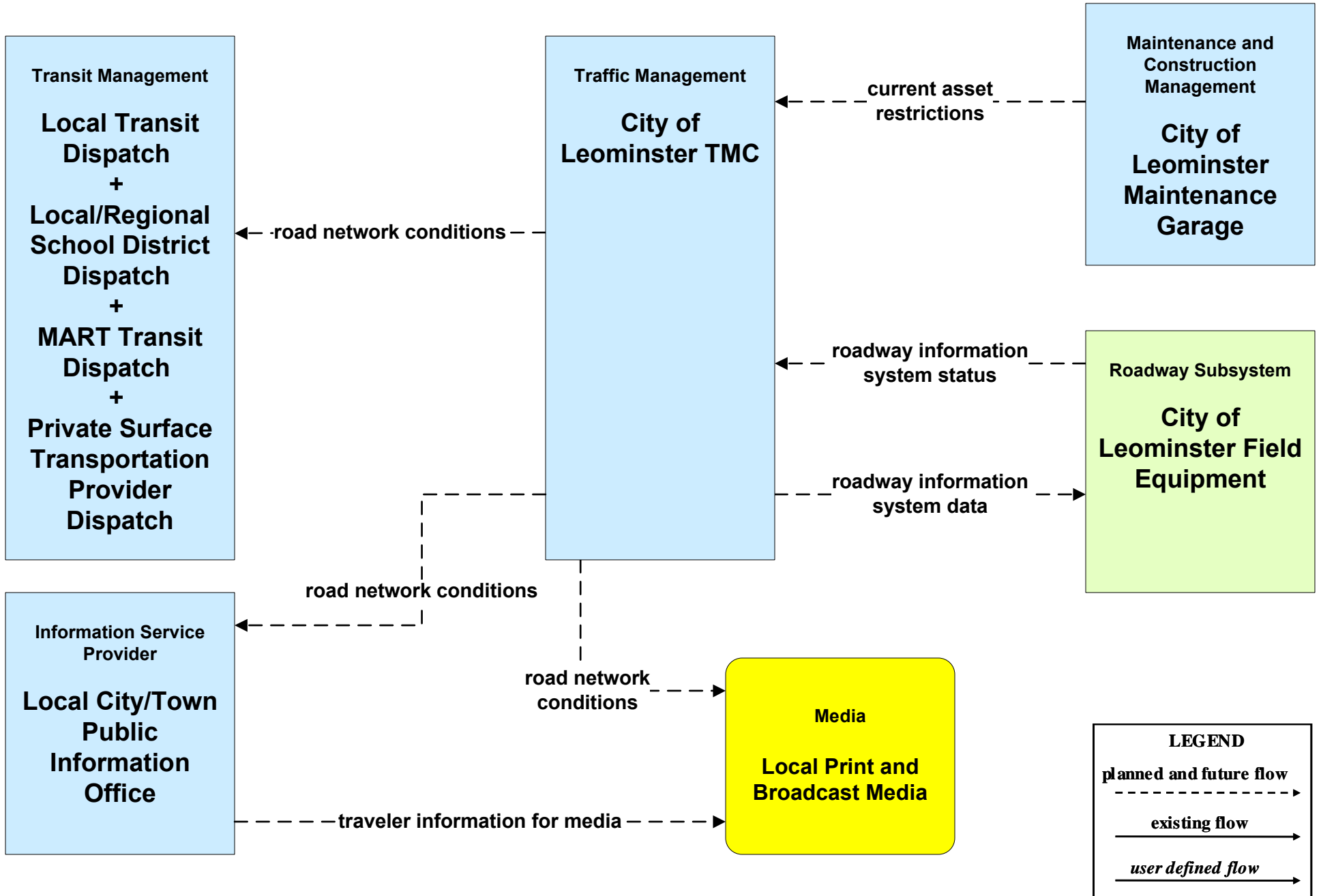
ATMS06 - Traffic Information Dissemination City of Fitchburg



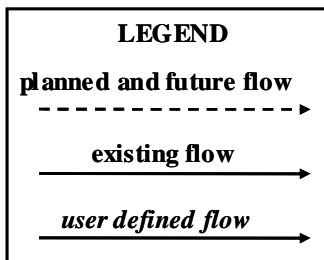
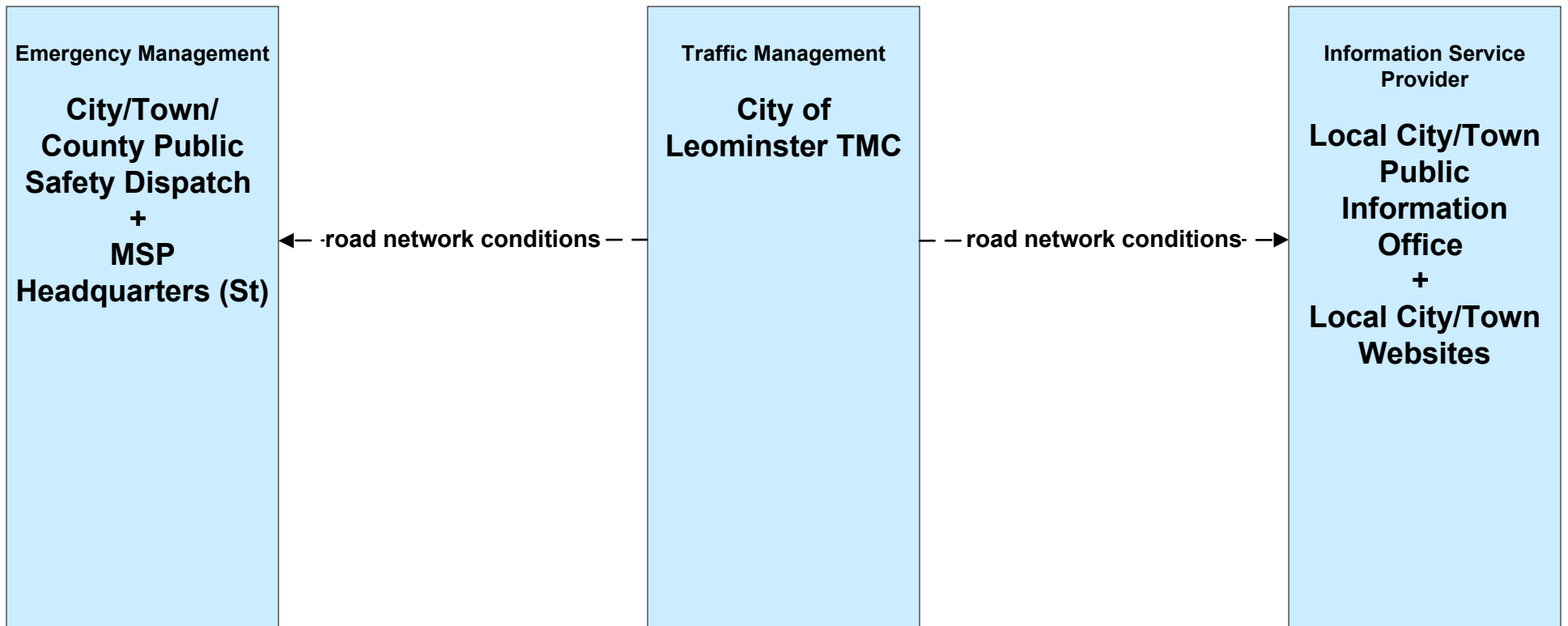
**ATMS06 - Traffic Information Dissemination
City of Fitchburg (TM to EM / ISP)**



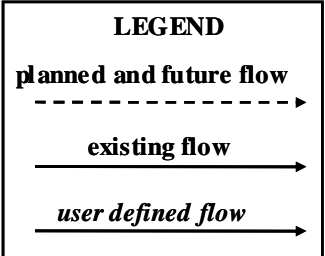
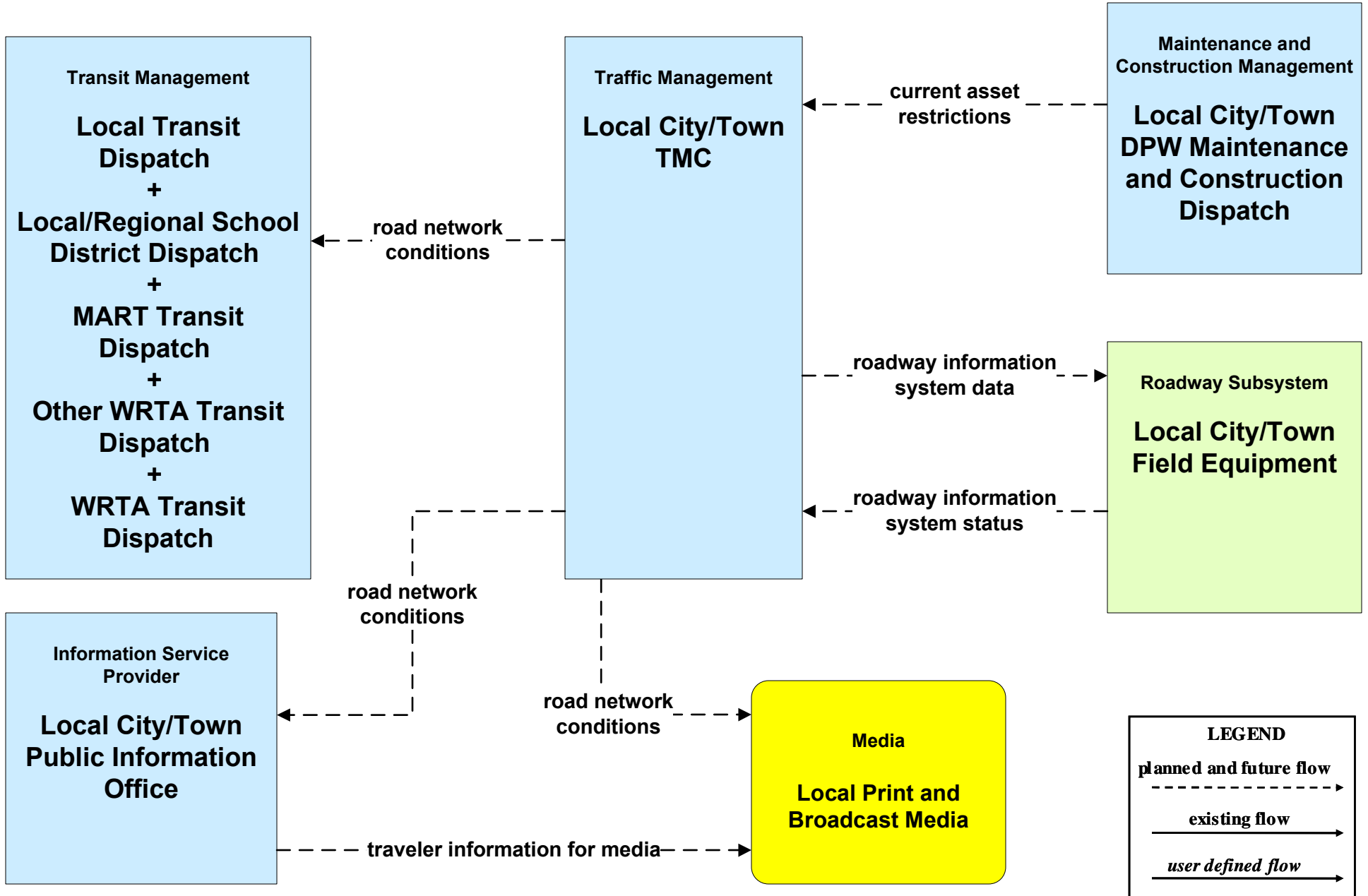
ATMS06 - Traffic Information Dissemination City of Leominster



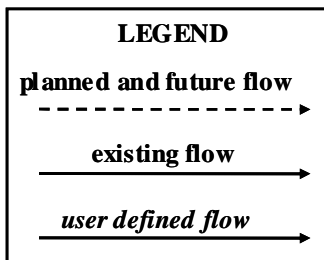
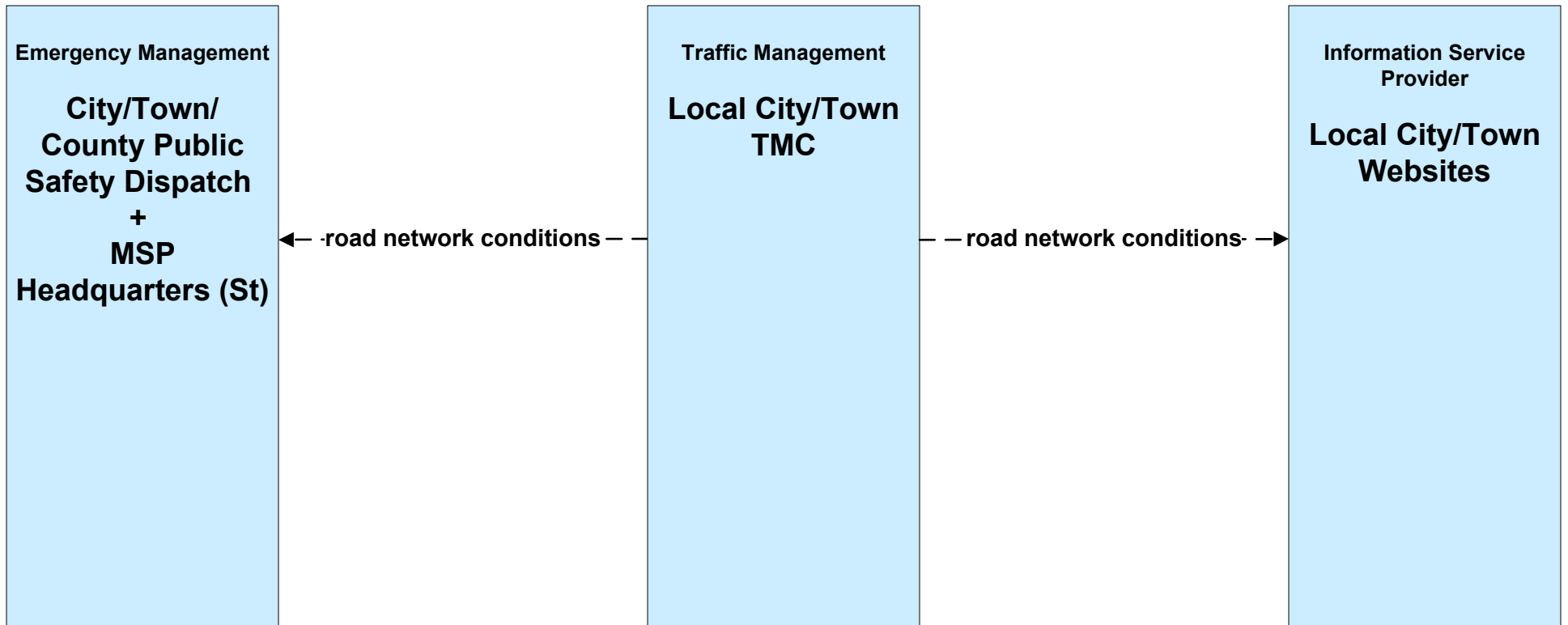
**ATMS06 - Traffic Information Dissemination
City of Leominster (TM to EM / ISP)**



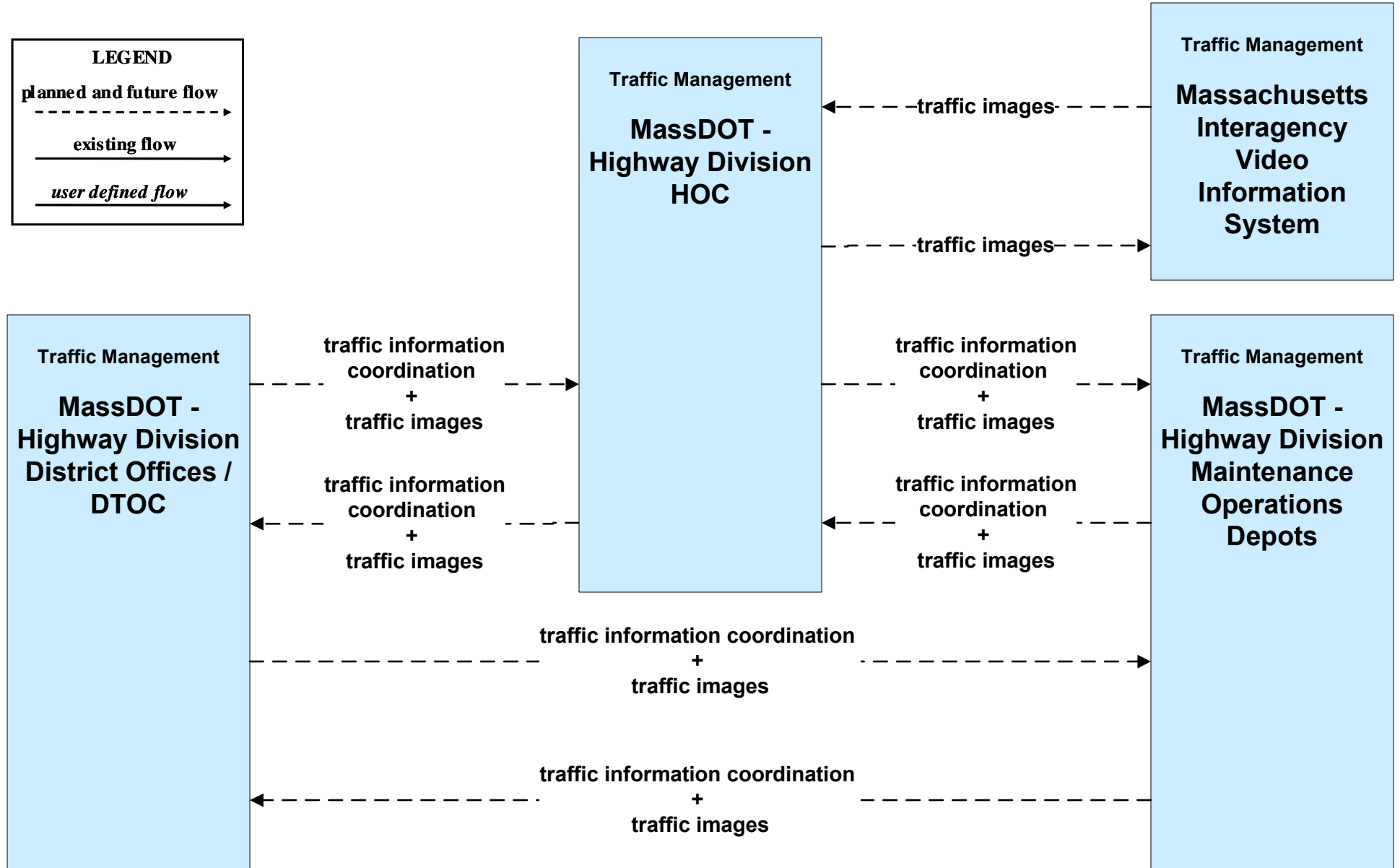
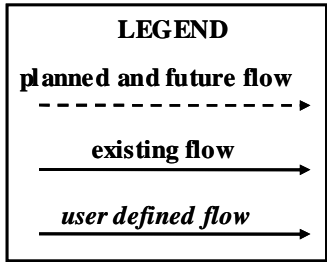
ATMS06 - Traffic Information Dissemination Local City/Town



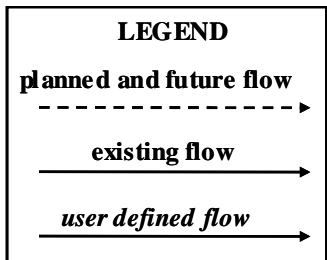
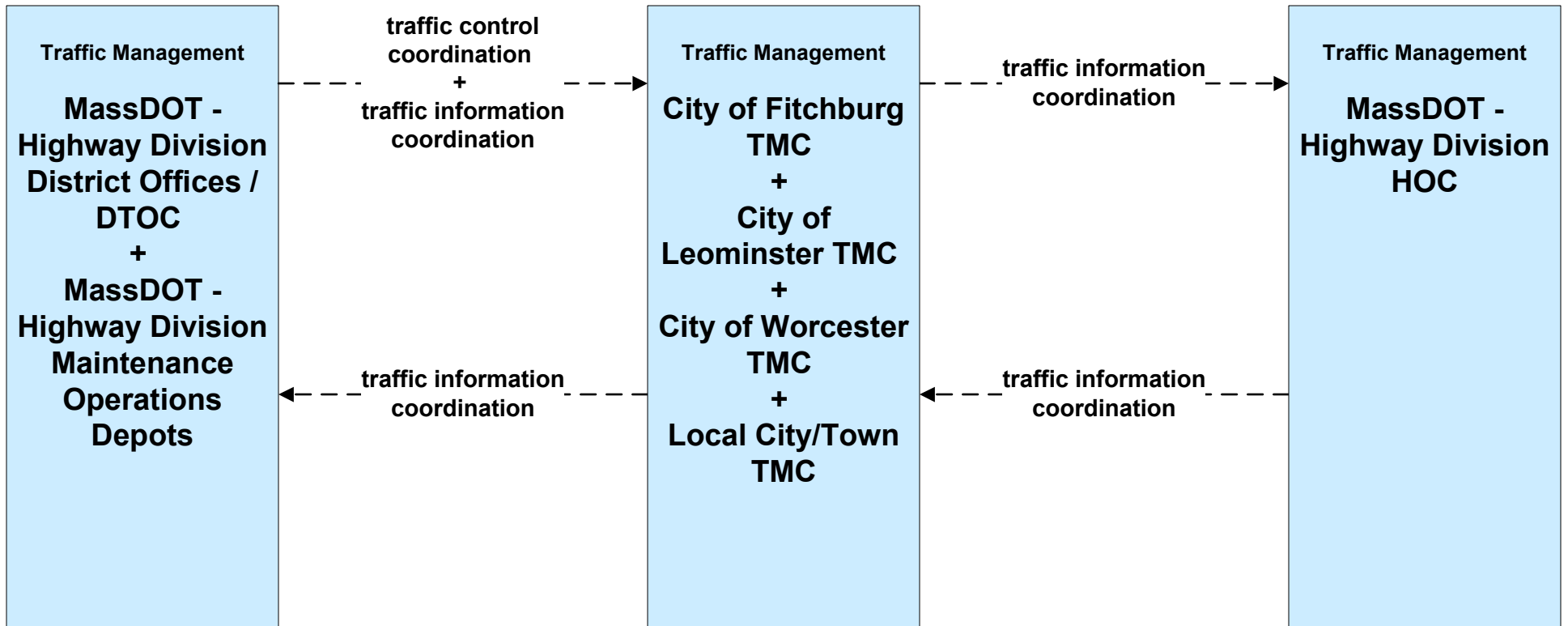
**ATMS06 - Traffic Information Dissemination
Local City/Town (TM to EM / ISP)**



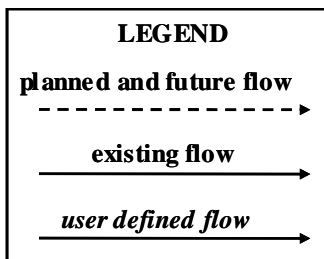
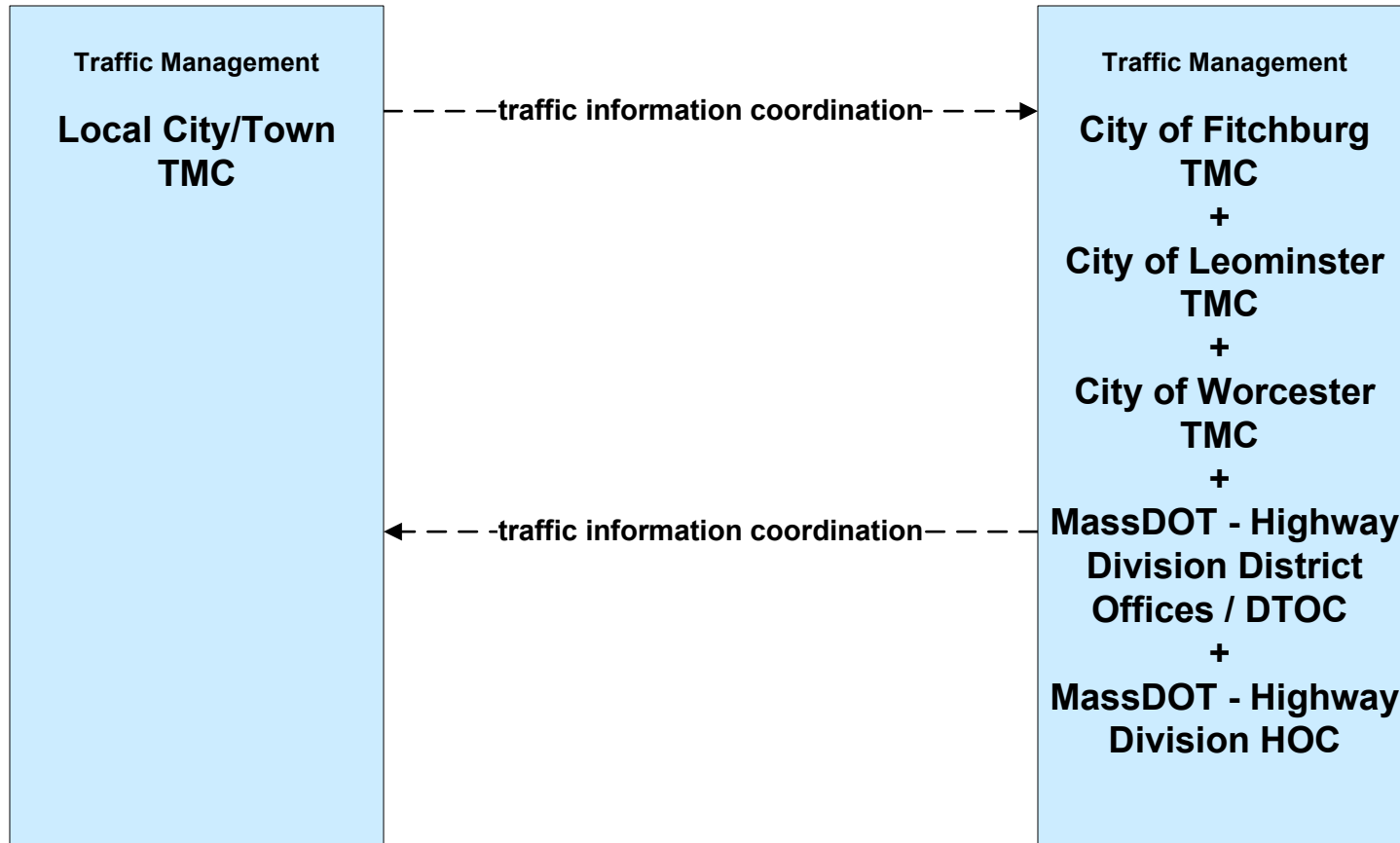
**ATMS07 - Regional Traffic Control
MassDOT - Highway Division (1 of 2)**



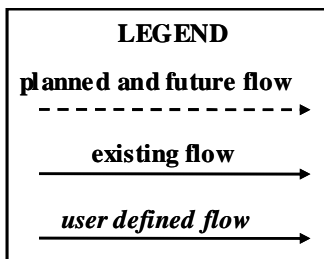
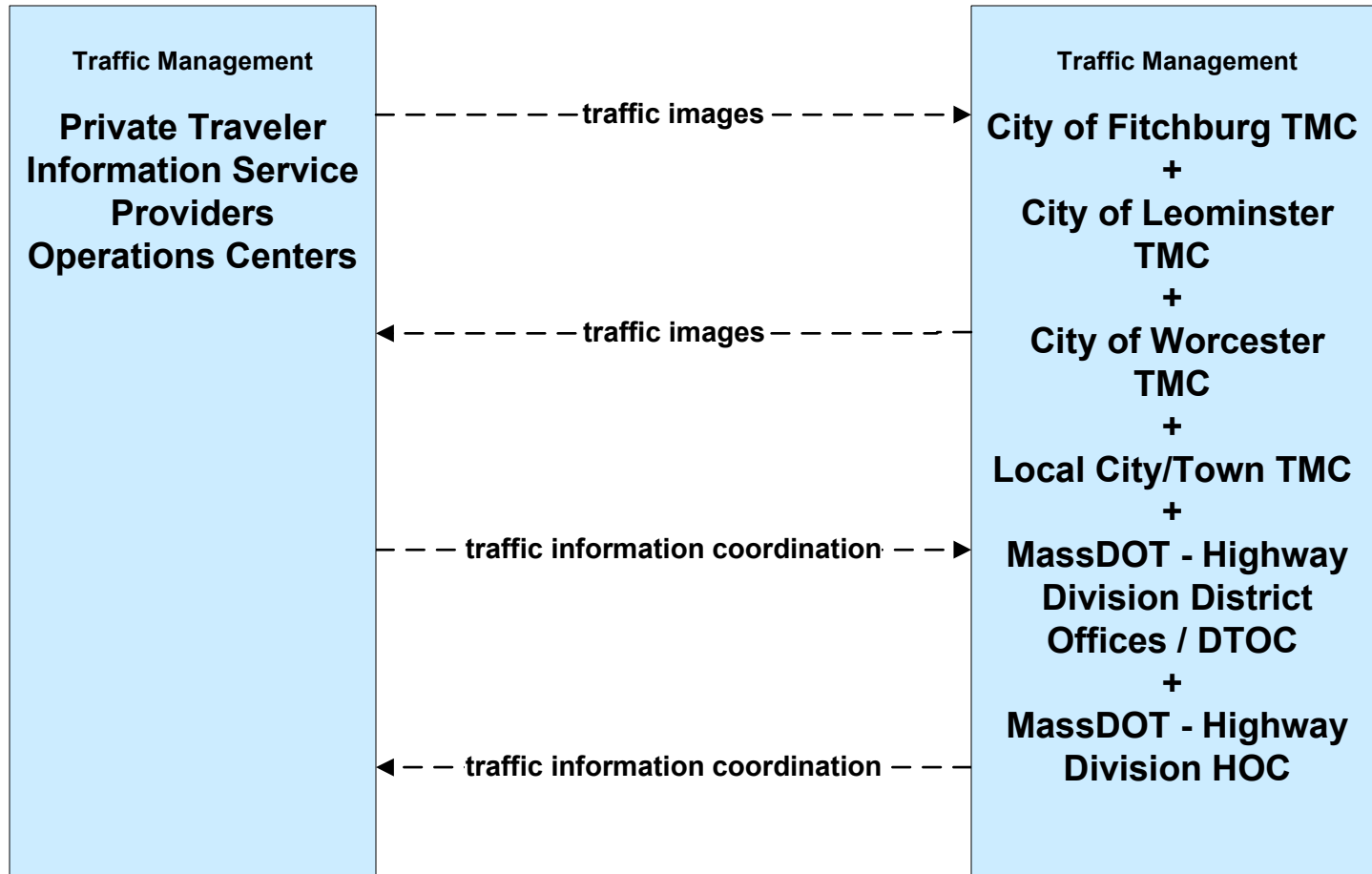
**ATMS07 - Regional Traffic Control
MassDOT - Highway Division (2 of 2)**



**ATMS07 - Regional Traffic Control
Local City/Town**

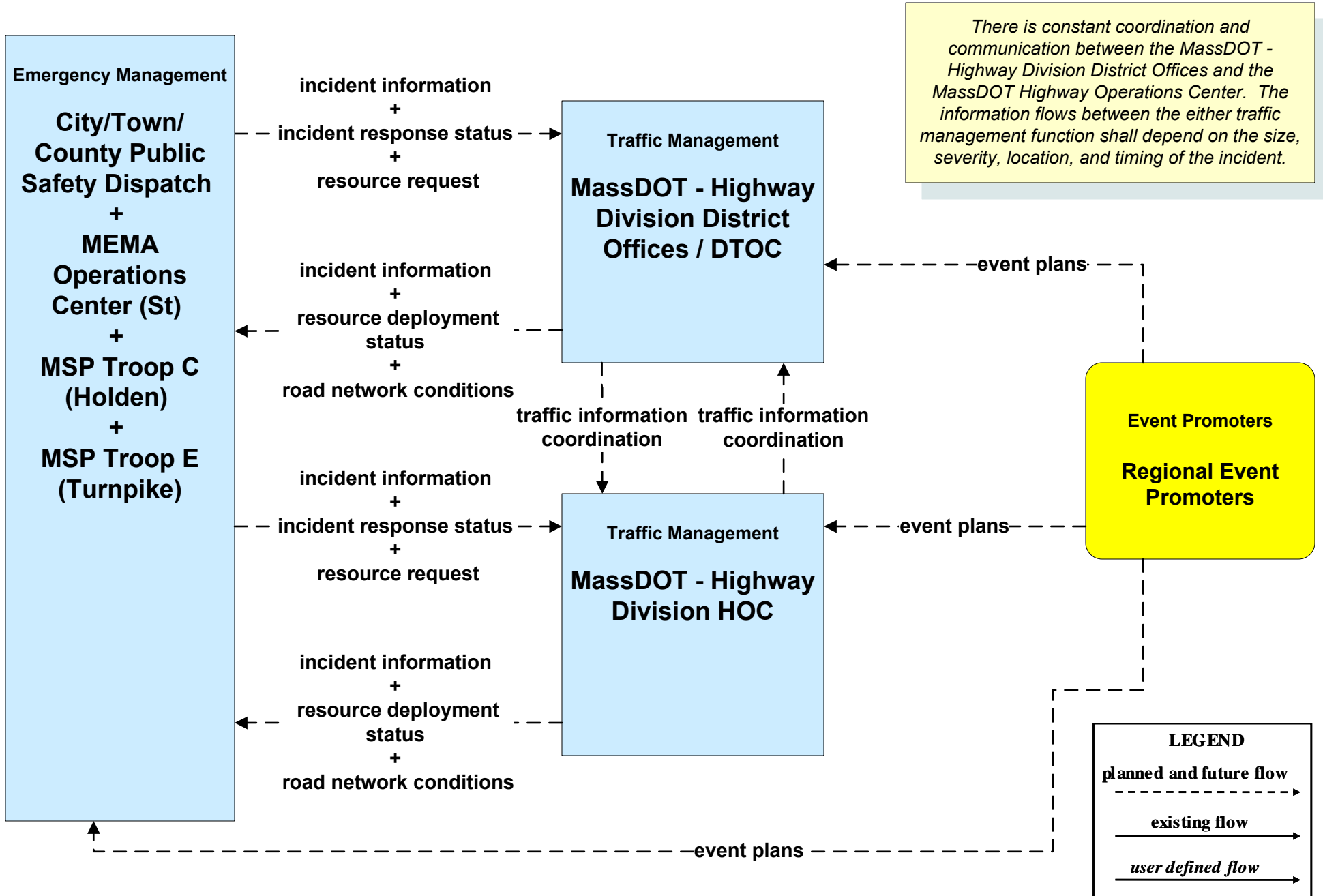


**ATMS07 - Regional Traffic Control
Private Traveler Information Service Providers**

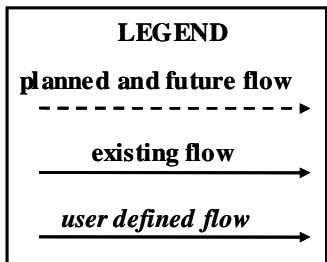
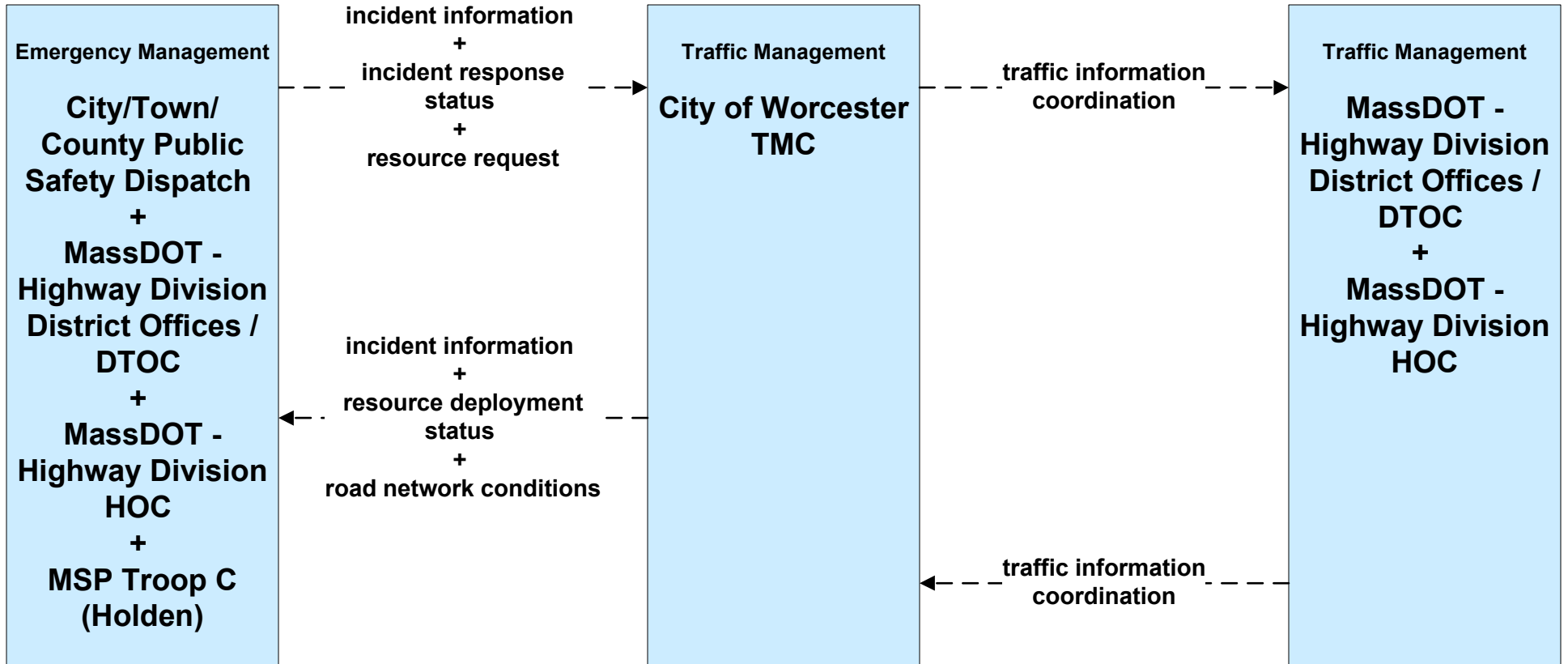


ATMS08 - Incident Management

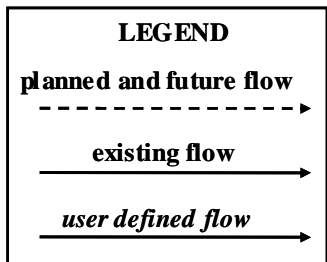
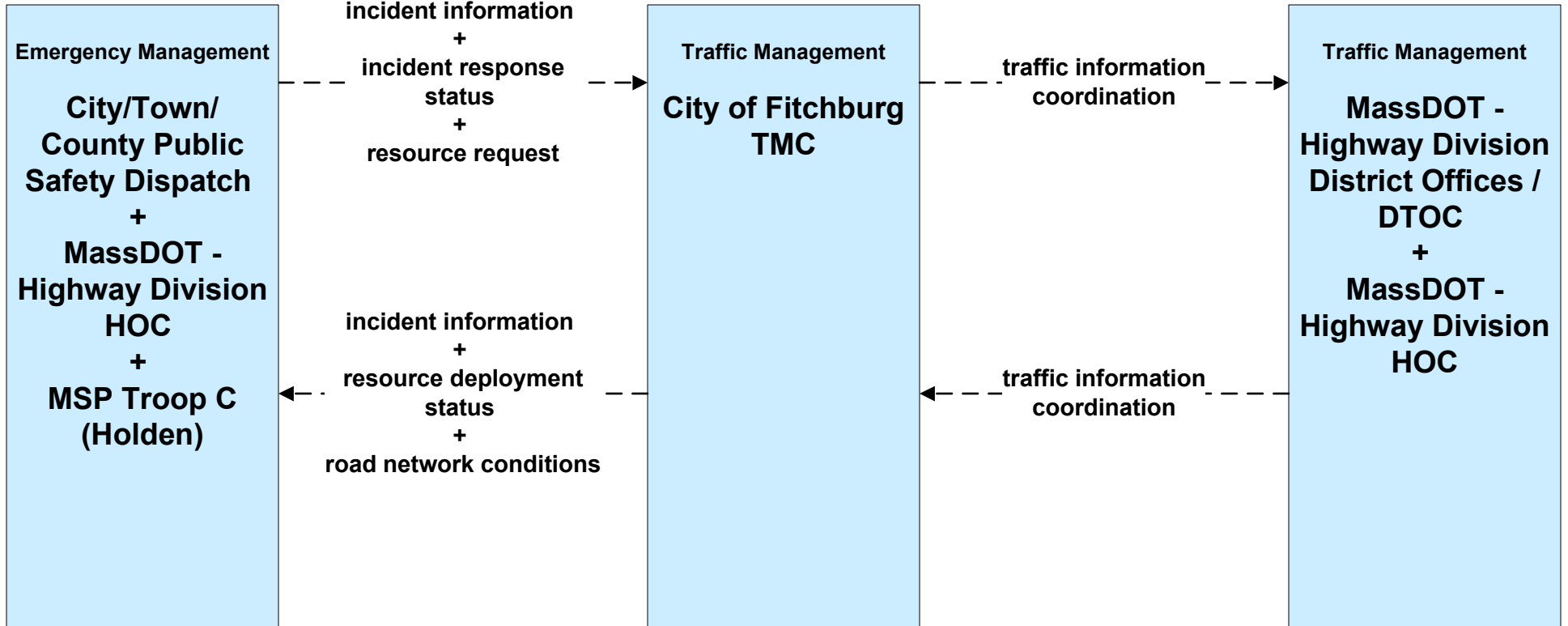
MassDOT - Highway Division (TM to EM)



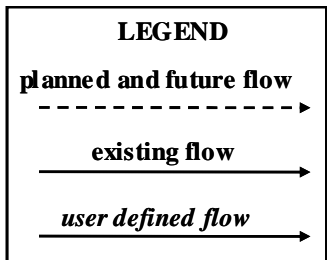
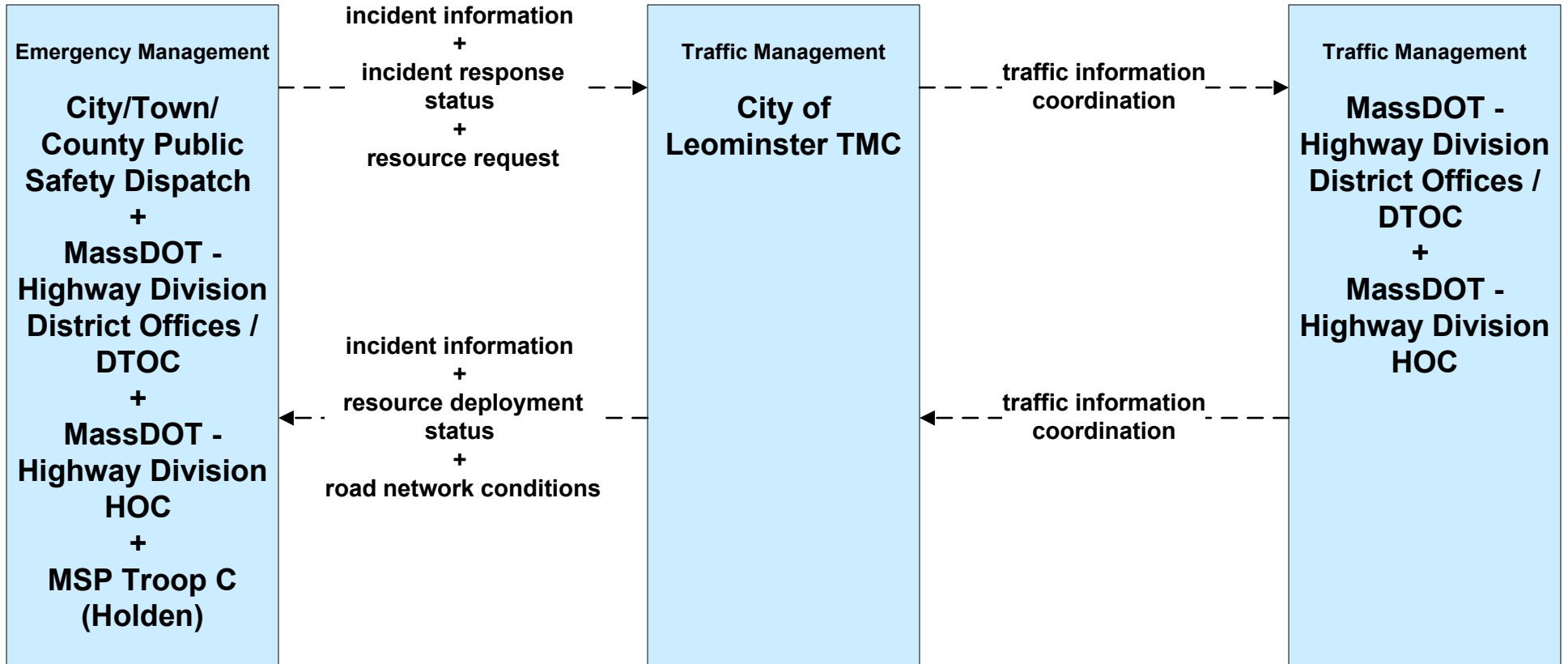
**ATMS08 - Incident Management
City of Worcester (TM to EM)**



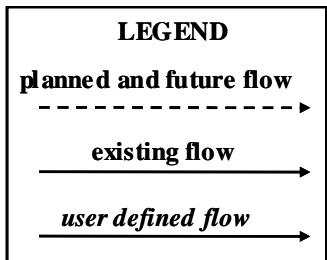
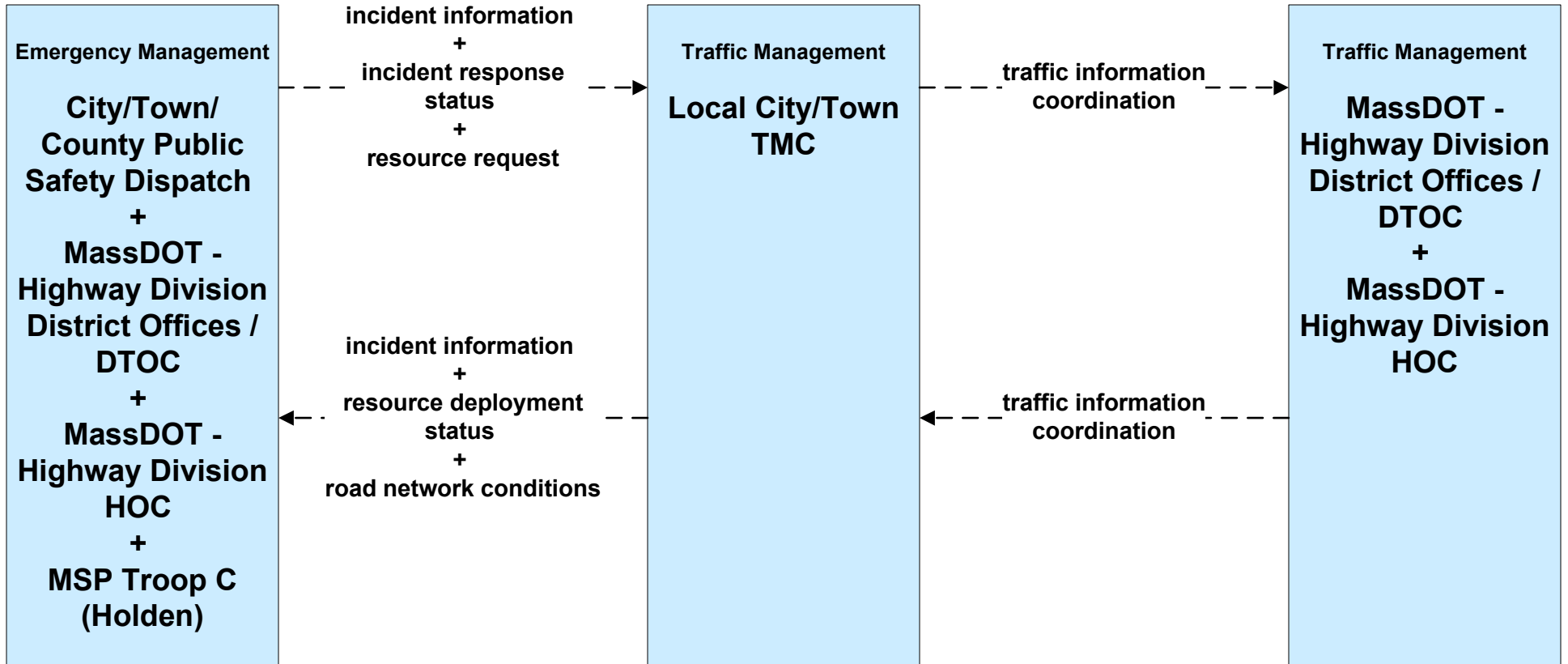
**ATMS08 - Incident Management
City of Fitchburg (TM to EM)**



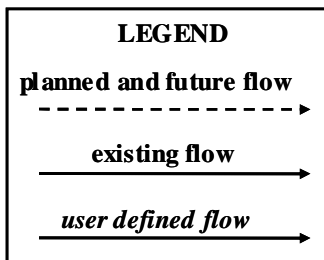
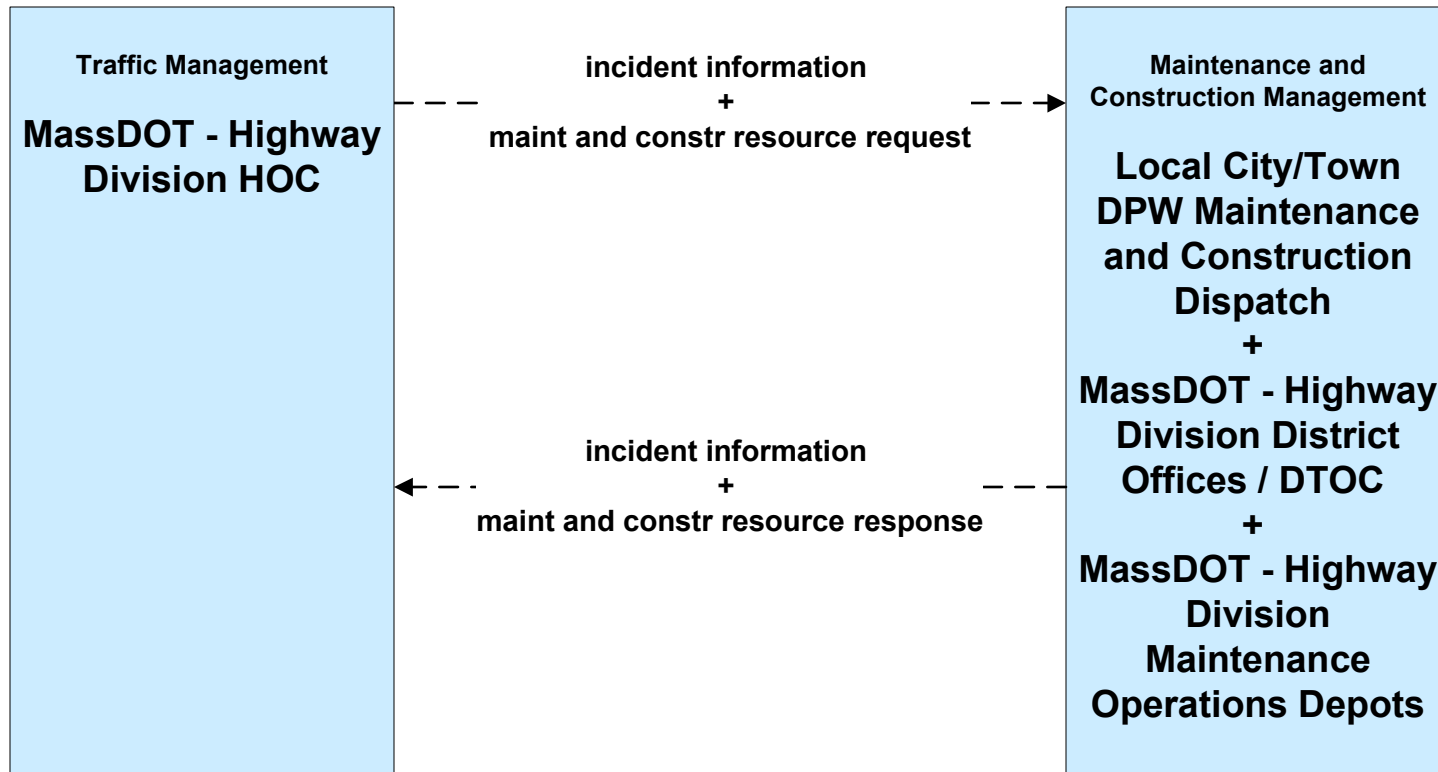
**ATMS08 - Incident Management
City of Leominster (TM to EM)**



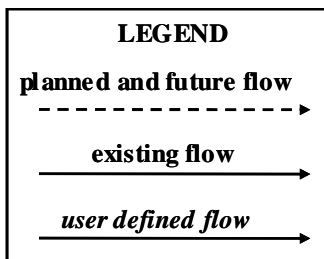
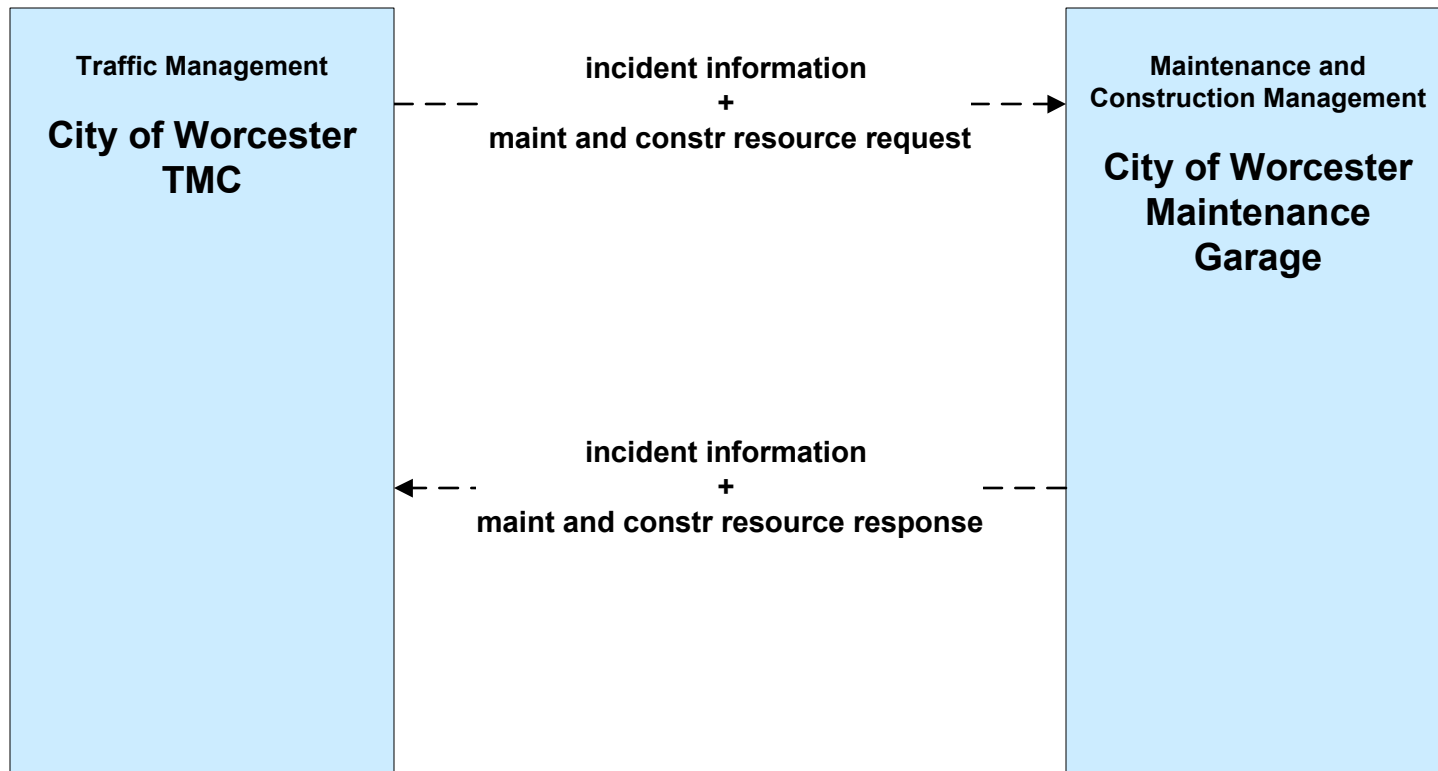
**ATMS08 - Incident Management
Local City/Town (TM to EM)**



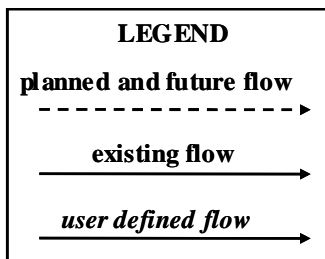
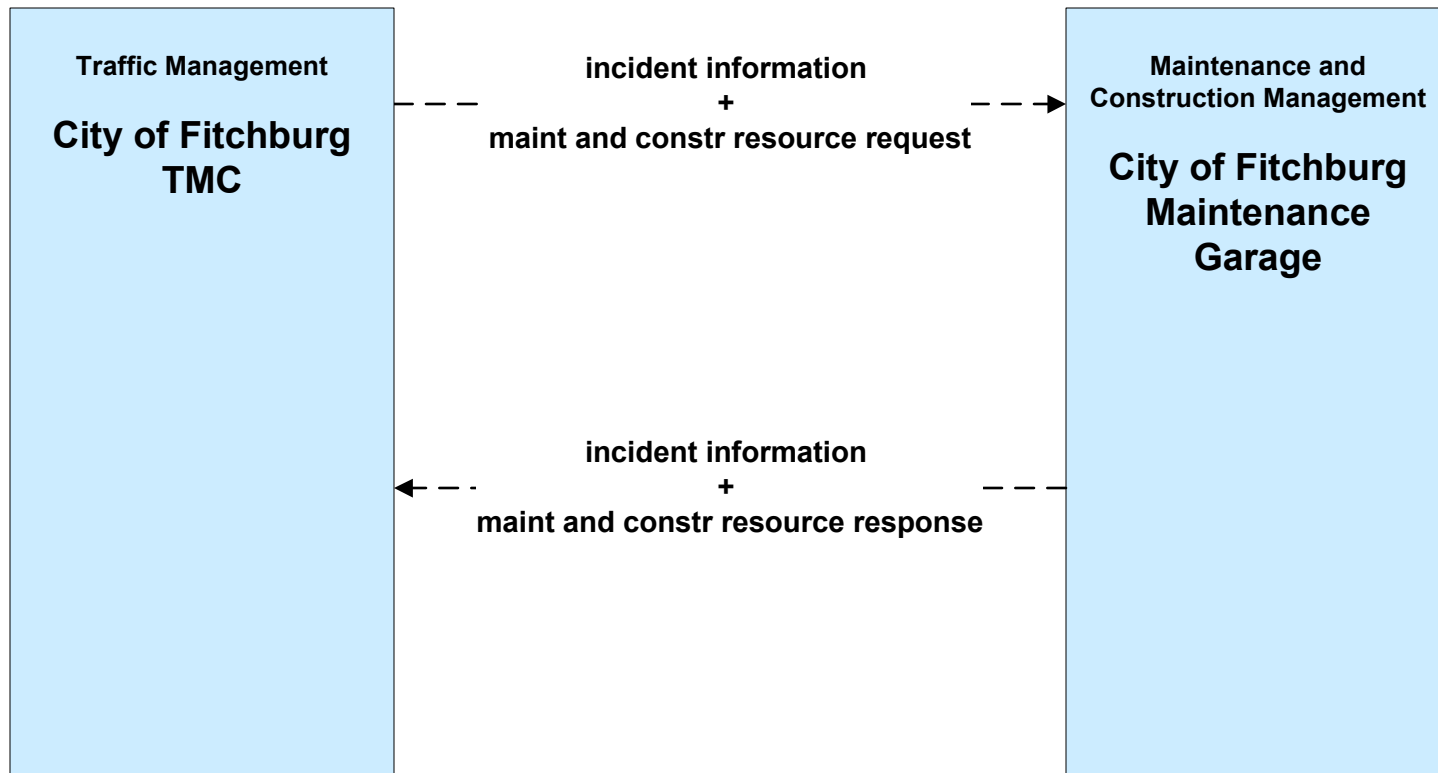
ATMS08 - Incident Management
MassDOT - Highway Division (TM to MCM)



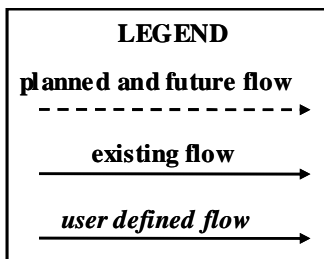
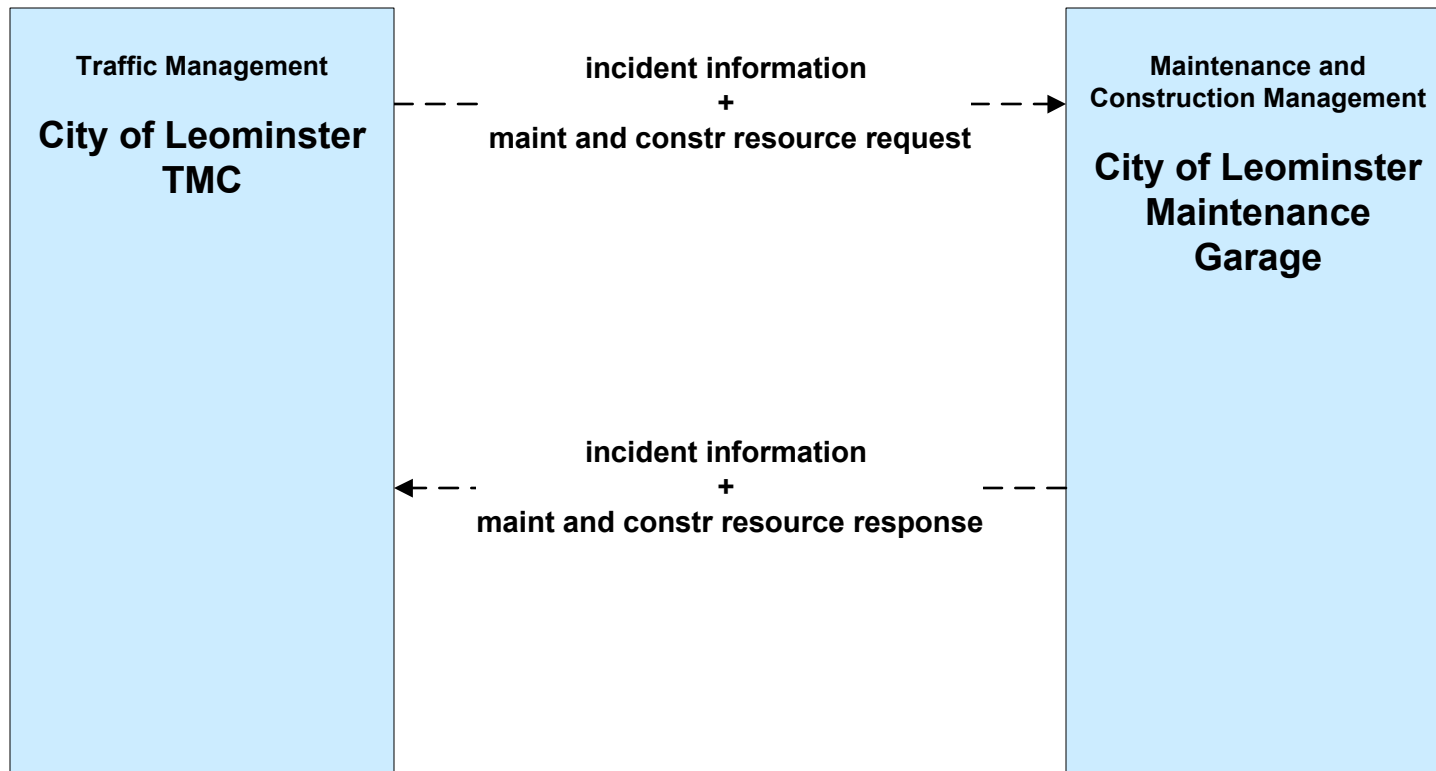
**ATMS08 - Incident Management
City of Worcester (TM to MCM)**



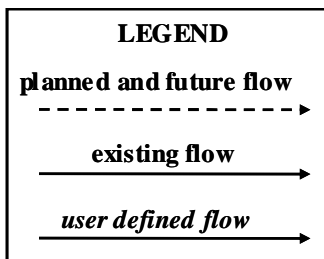
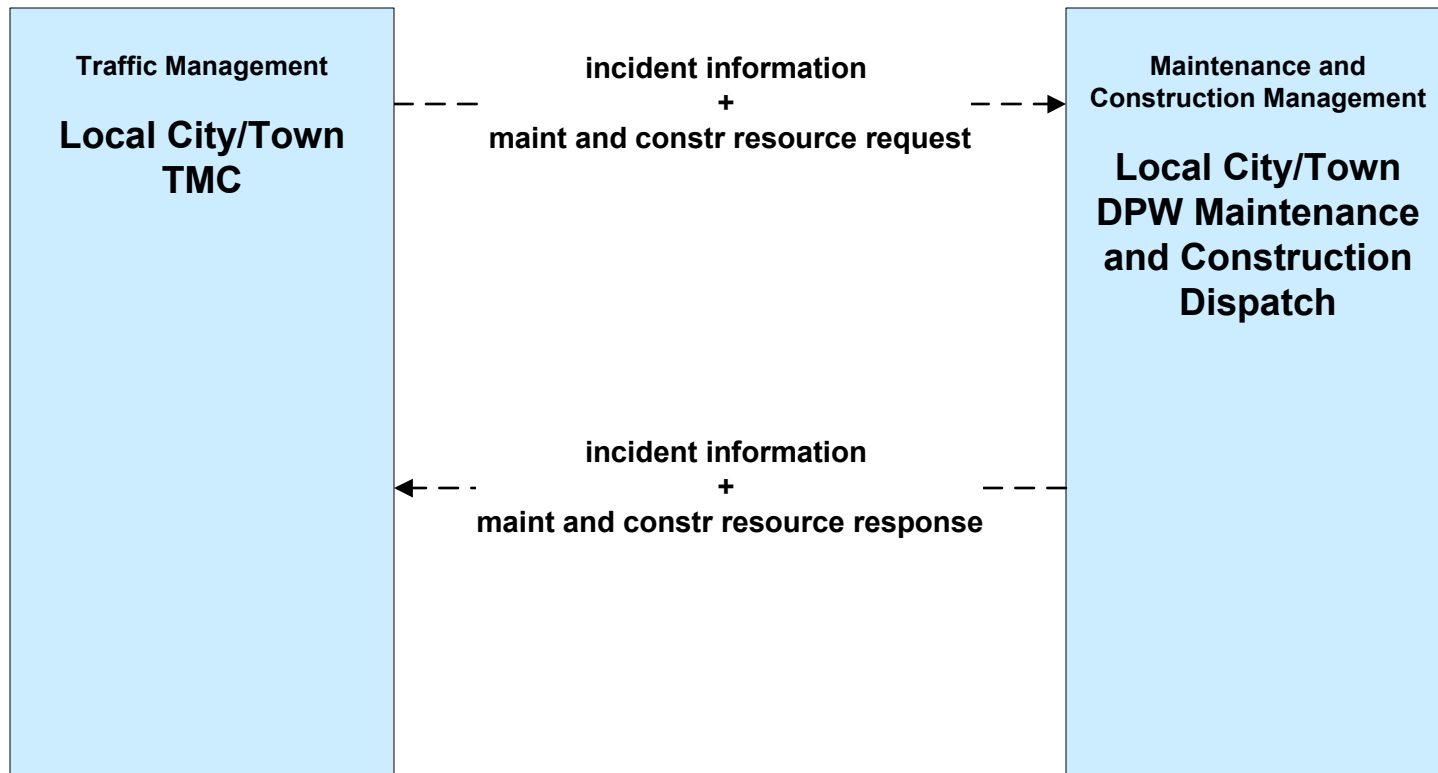
**ATMS08 - Incident Management
City of Fitchburg (TM to MCM)**



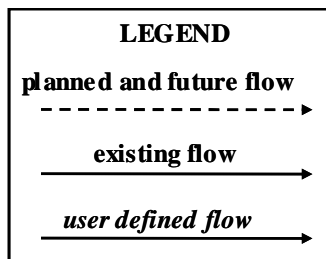
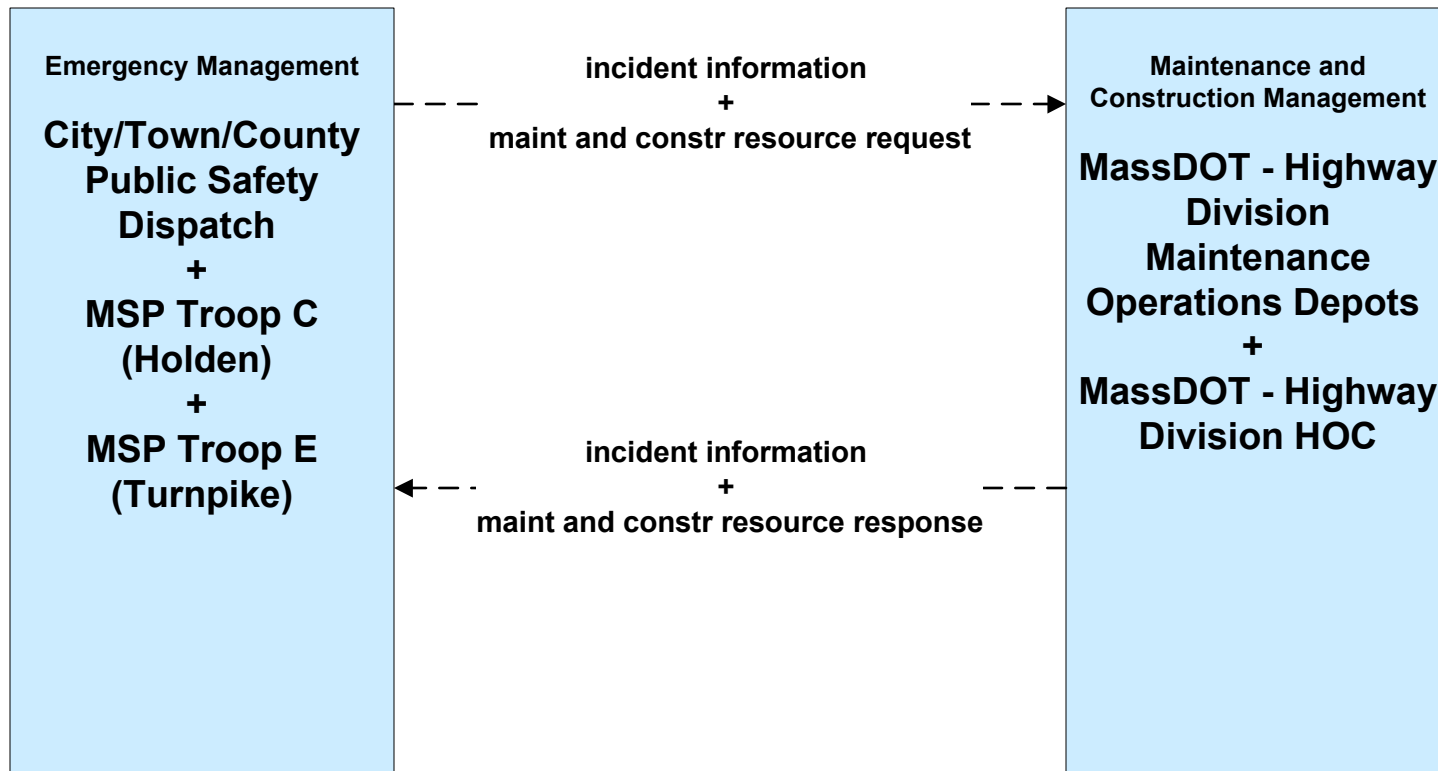
**ATMS08 - Incident Management
City of Leominster (TM to MCM)**



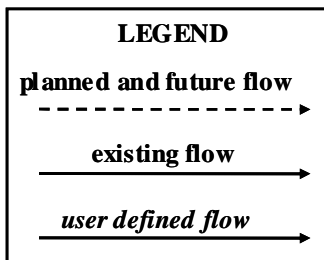
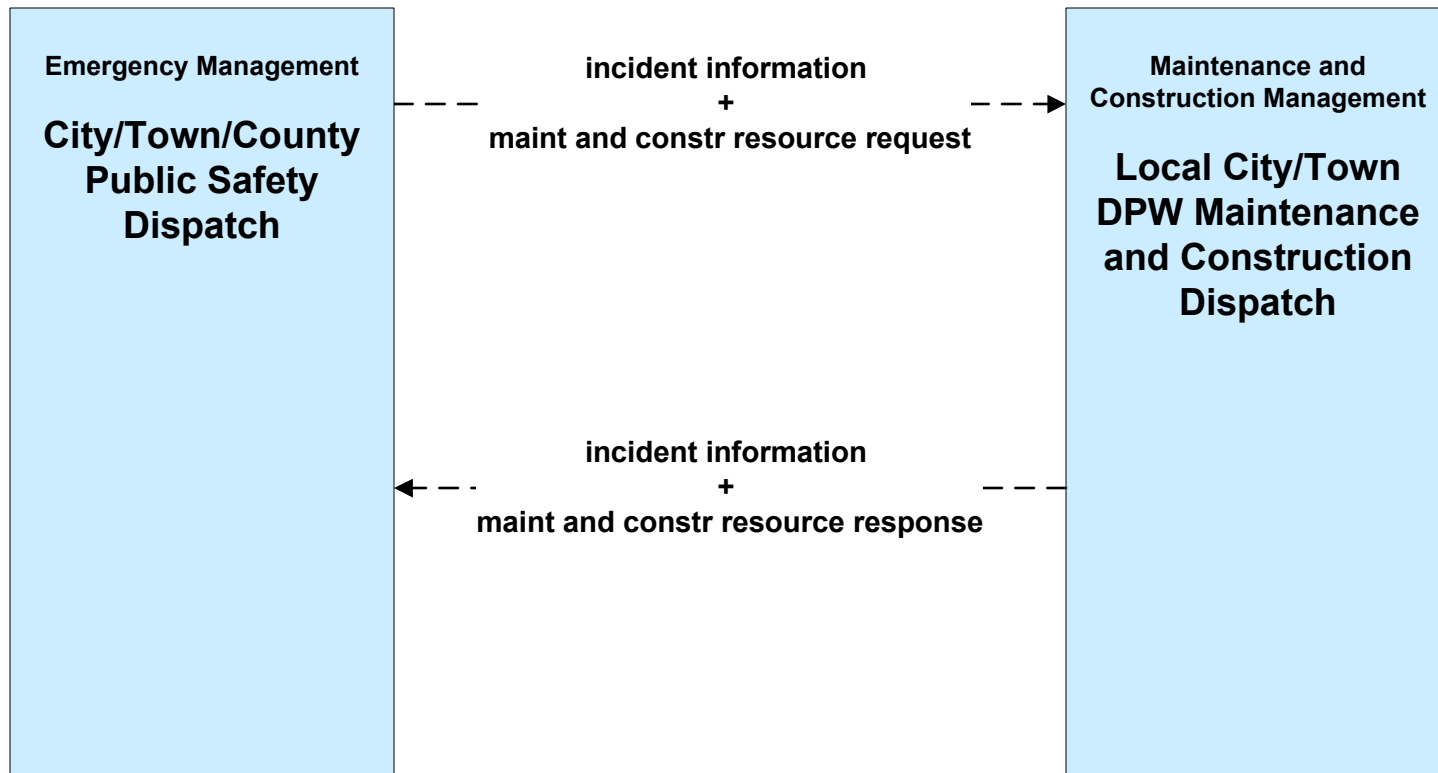
**ATMS08 - Incident Management
Local City/Town (TM to MCM)**



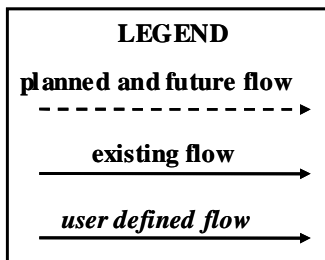
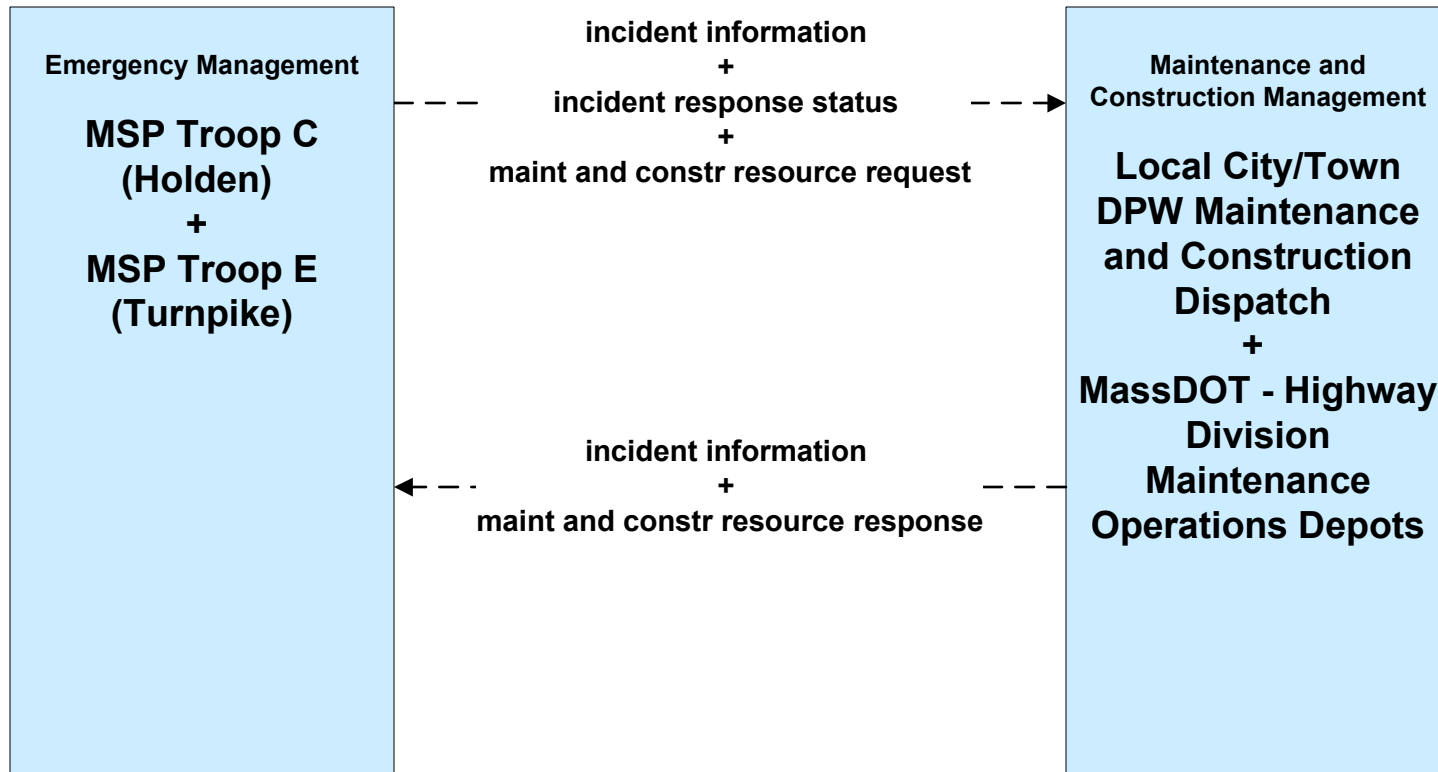
**ATMS08 - Incident Management
MassDOT - Highway Division (EM to MCM)**



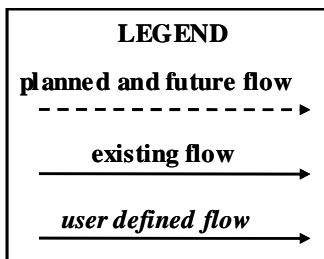
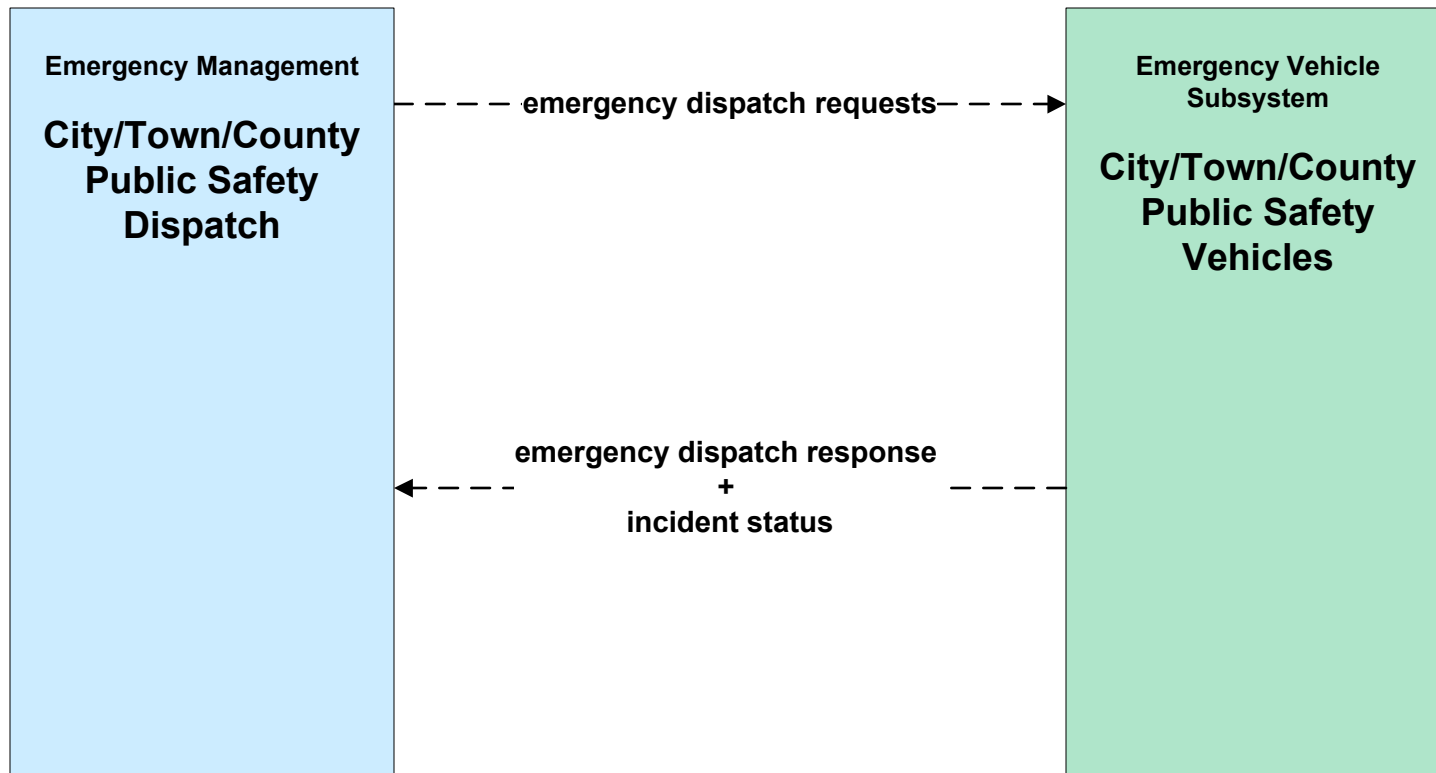
**ATMS08 - Incident Management
Local City/Town (EM to MCM)**



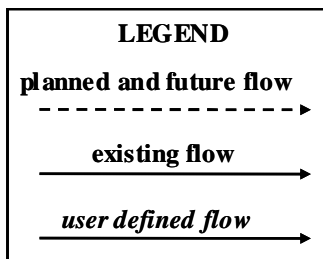
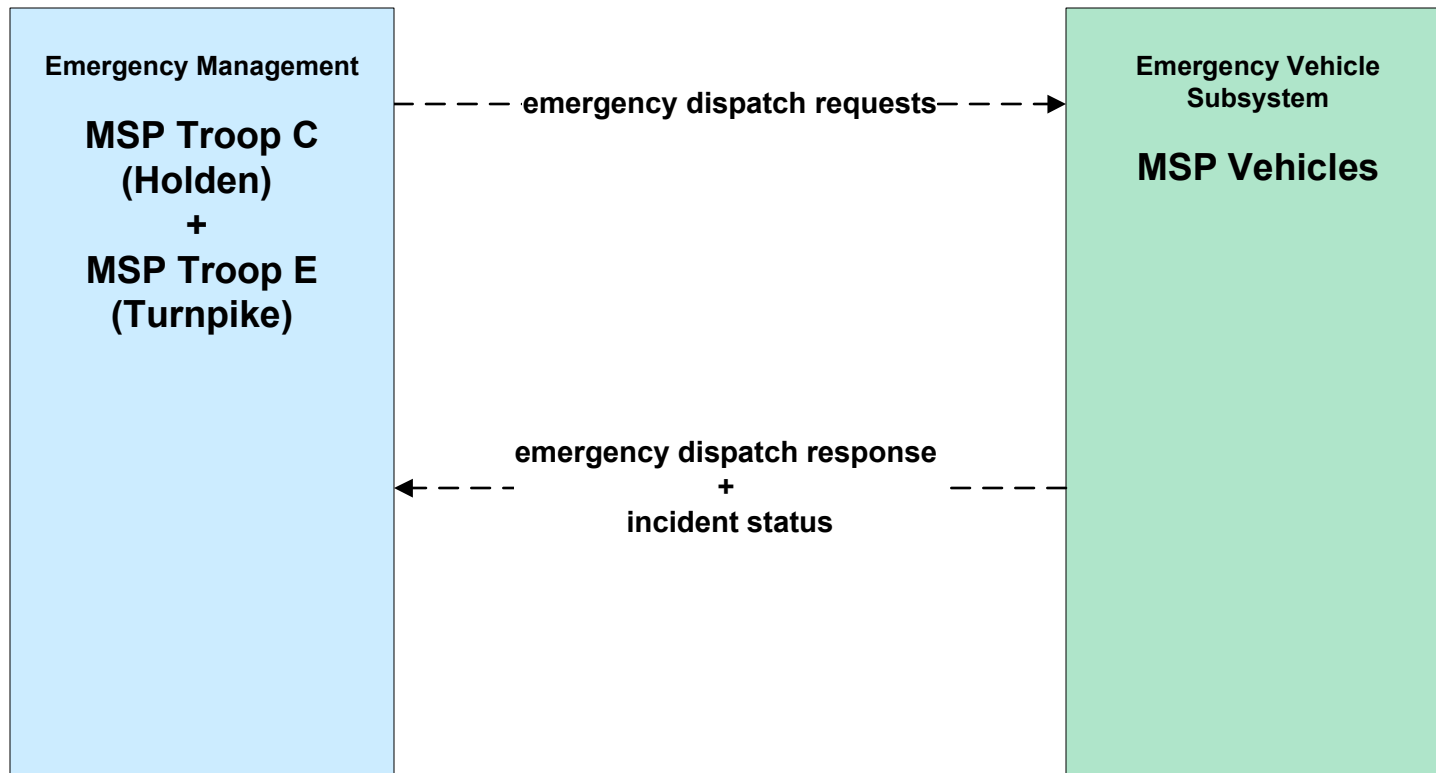
**ATMS08 - Incident Management
MSP (EM to MCM)**



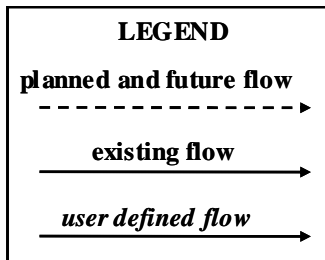
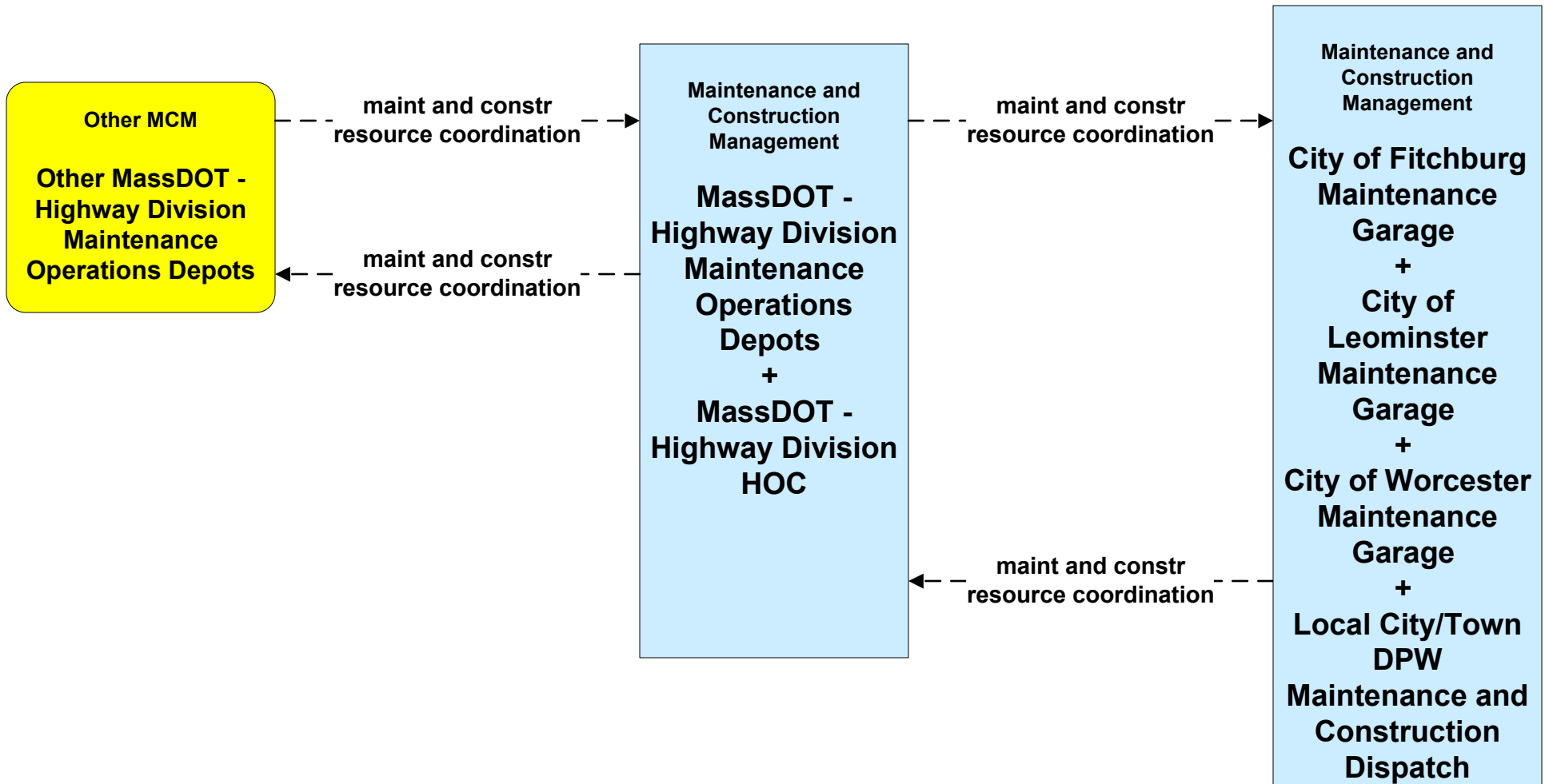
**ATMS08 - Incident Management
City/Town/County (EM to EV)**



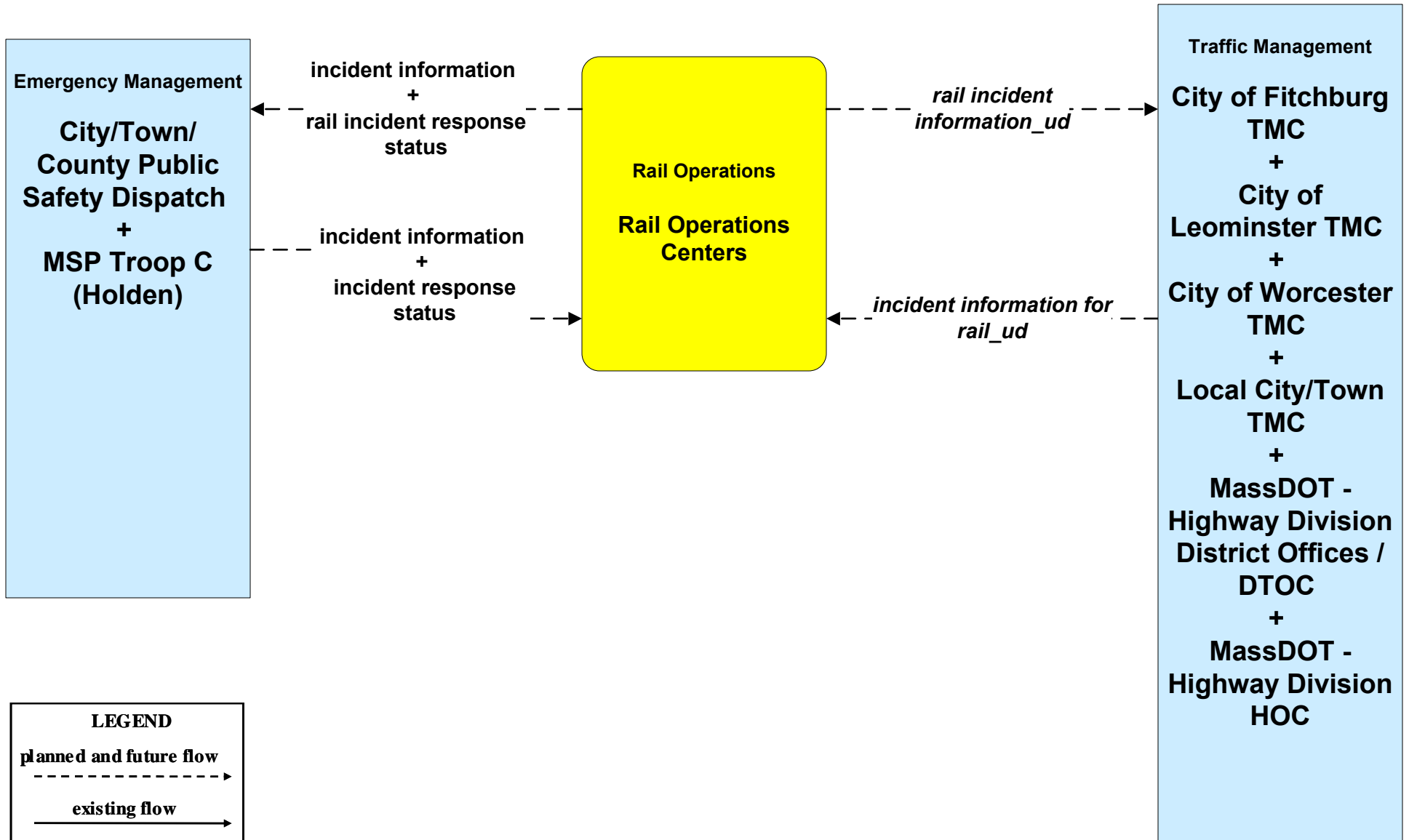
**ATMS08 - Incident Management
Massachusetts State Police (EM to EV)**



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



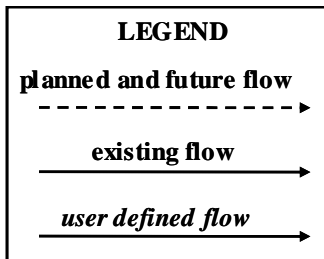
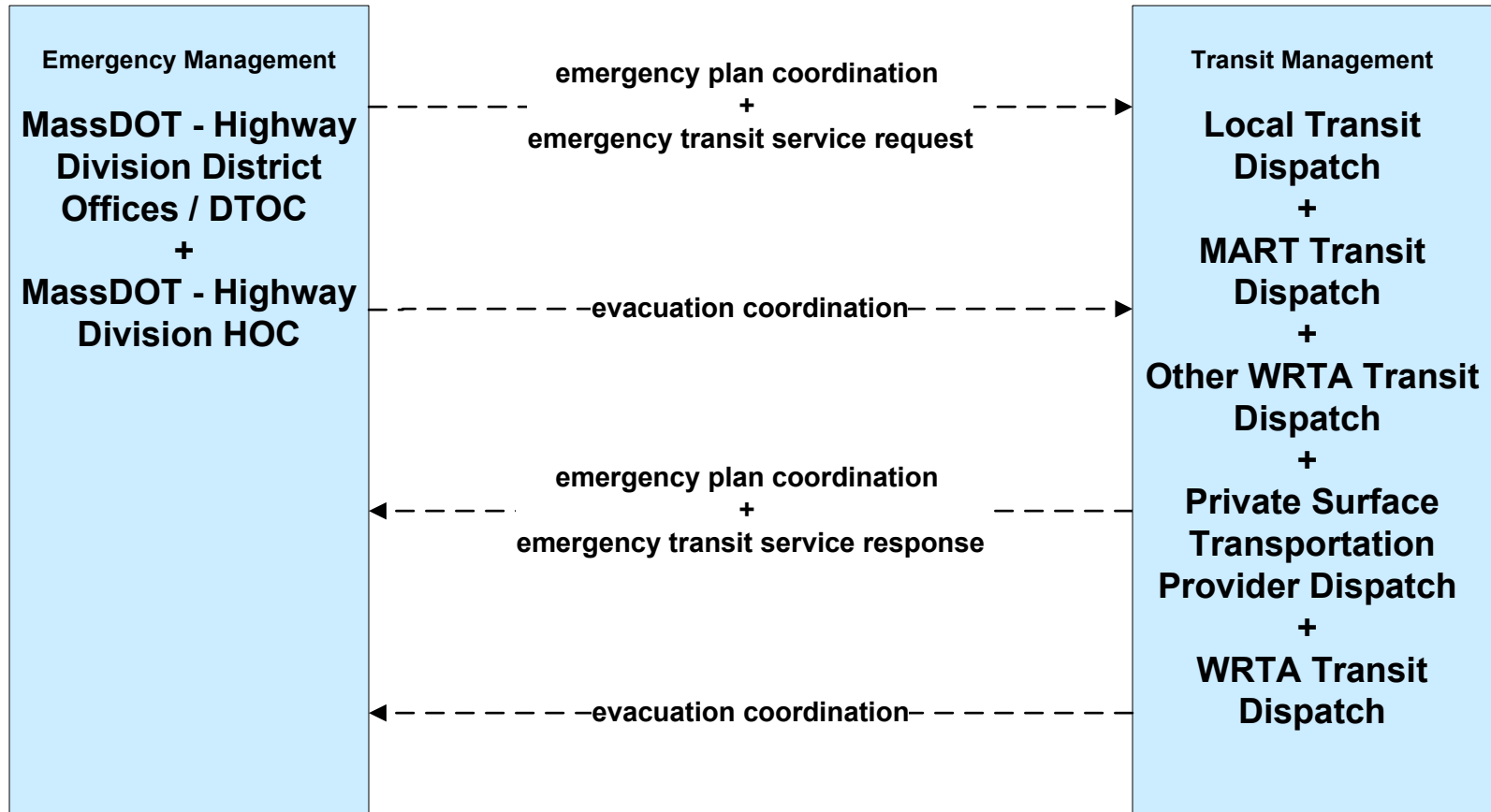
ATMS08 - Incident Management Rail Operations Coordination



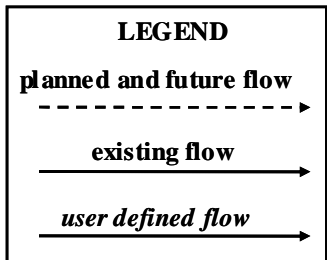
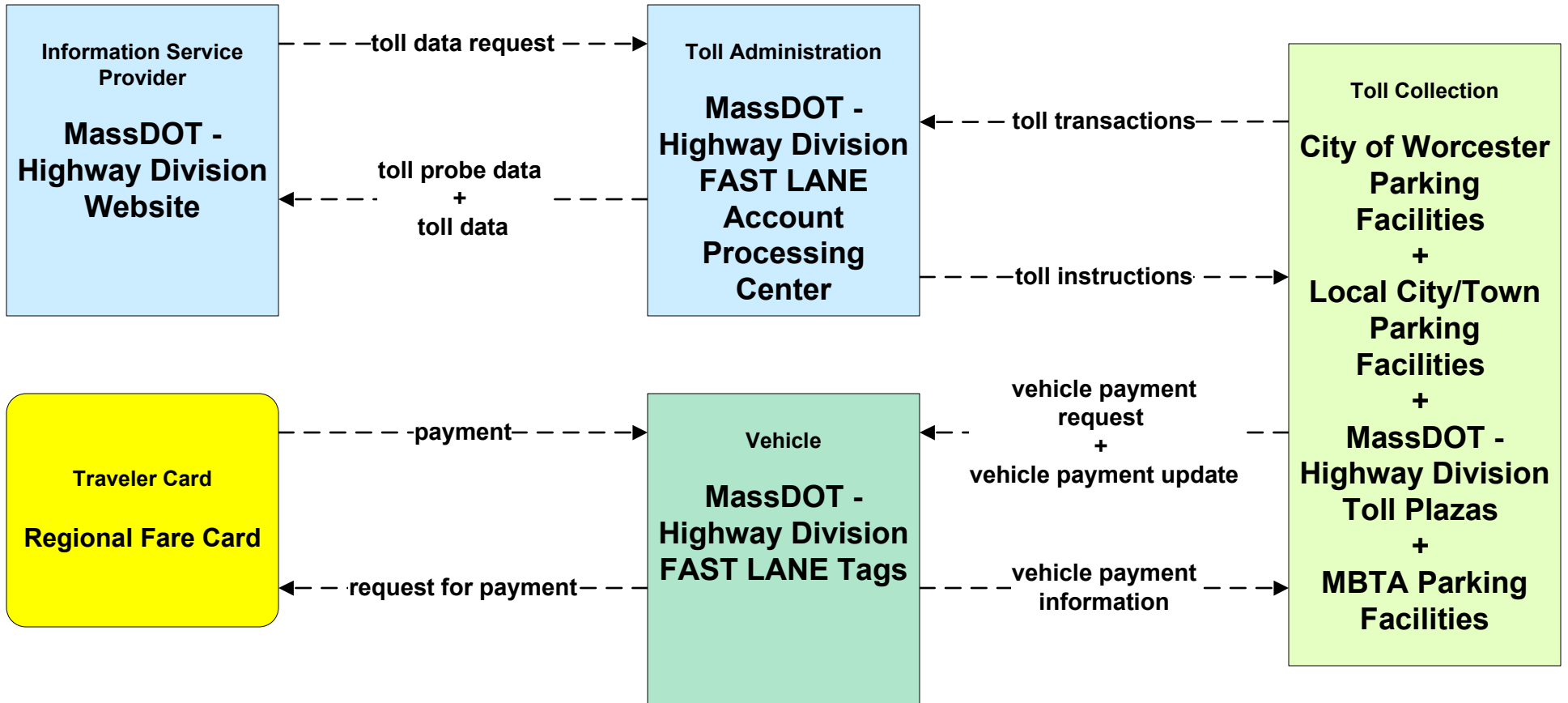
LEGEND

- planned and future flow* (dashed arrow)
- existing flow* (solid arrow)
- user defined flow* (solid underlined arrow)

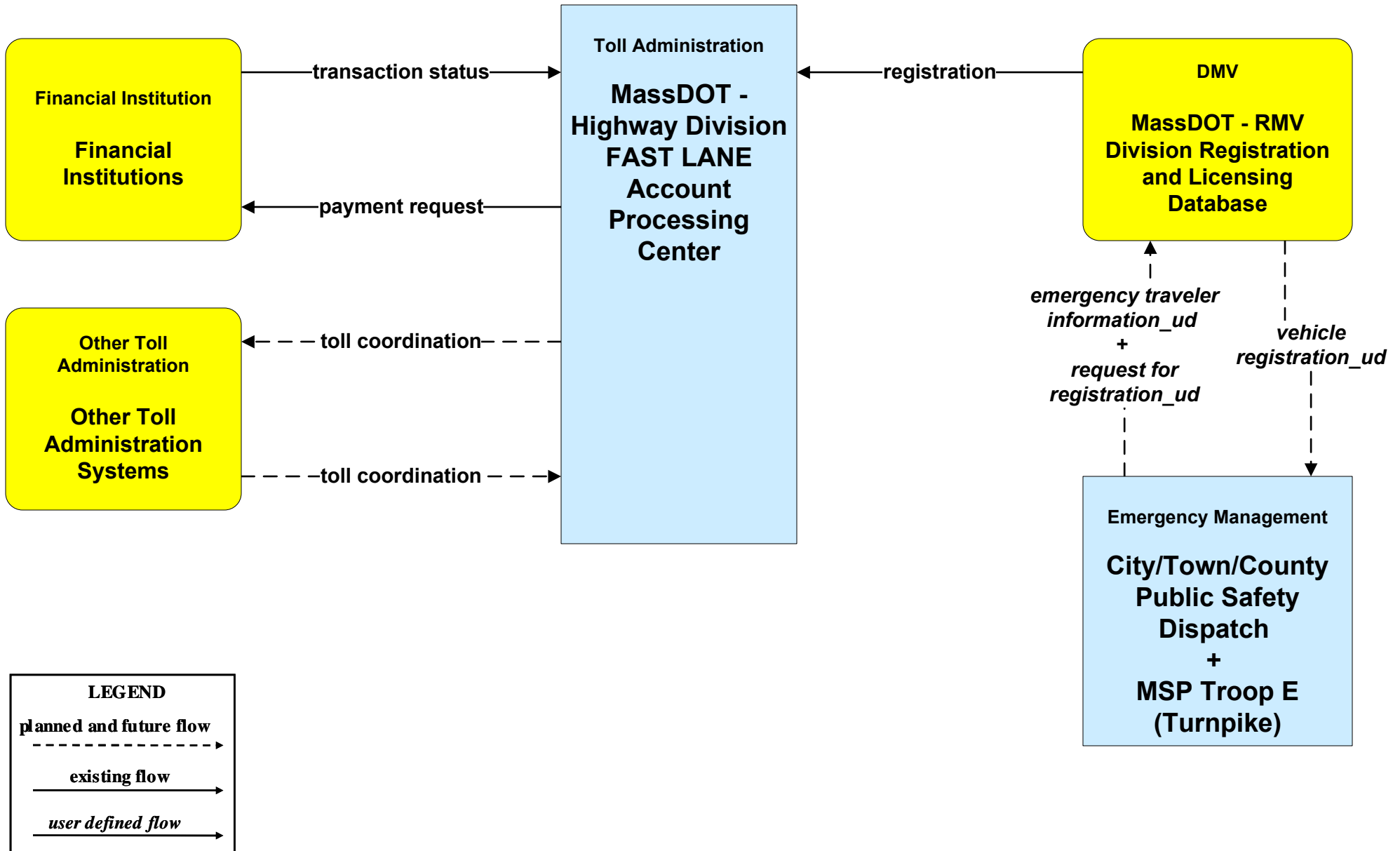
**ATMS08 - Incident Management
MassDOT - Highway Division (EM to Transit)**



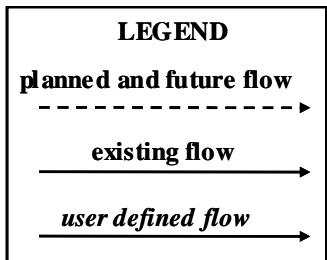
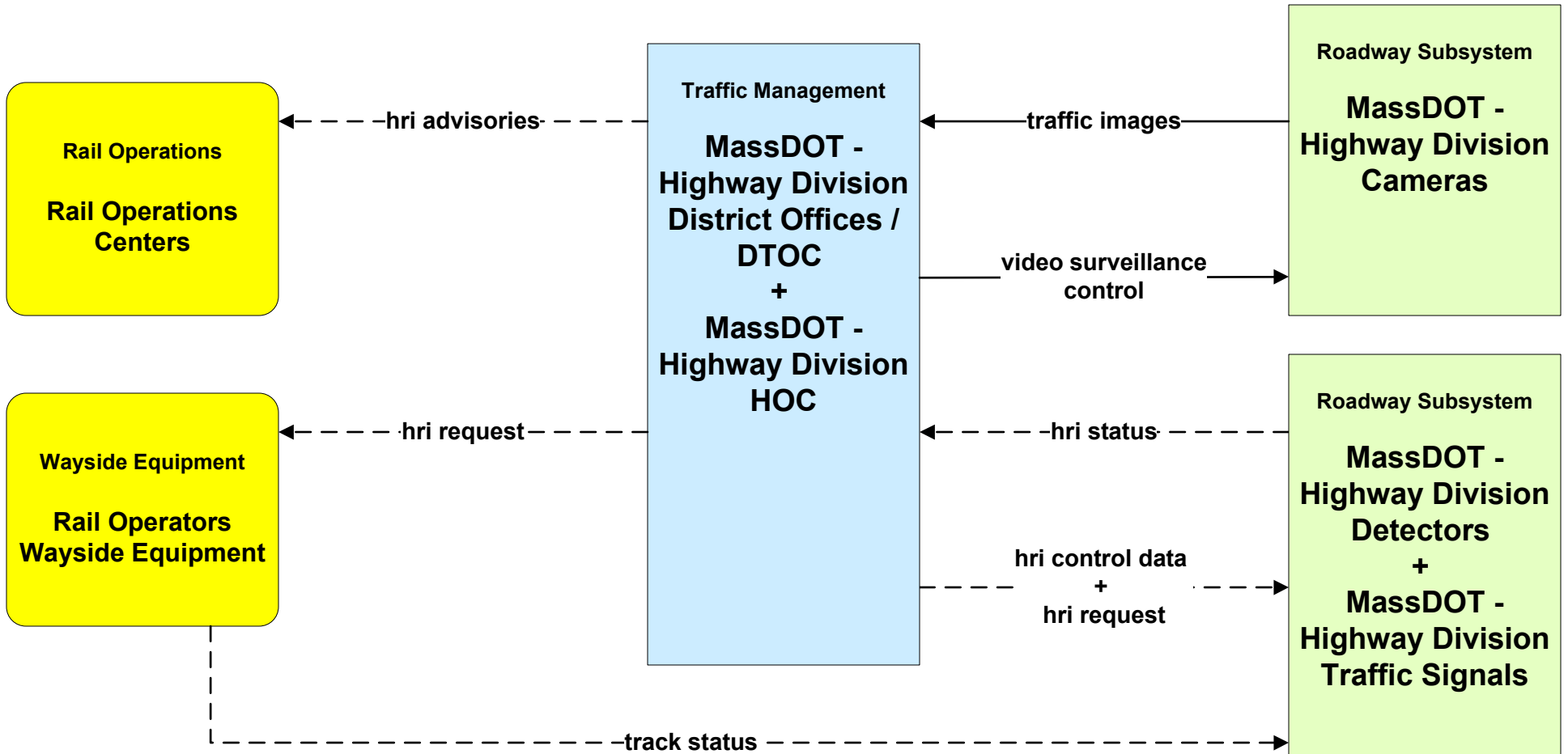
**ATMS10 - Electronic Toll Collection
MassDOT - Highway Division (1 of 2)**



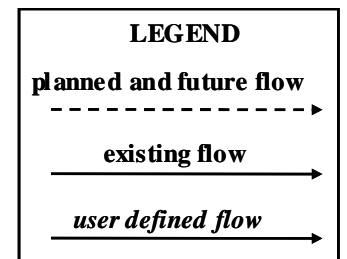
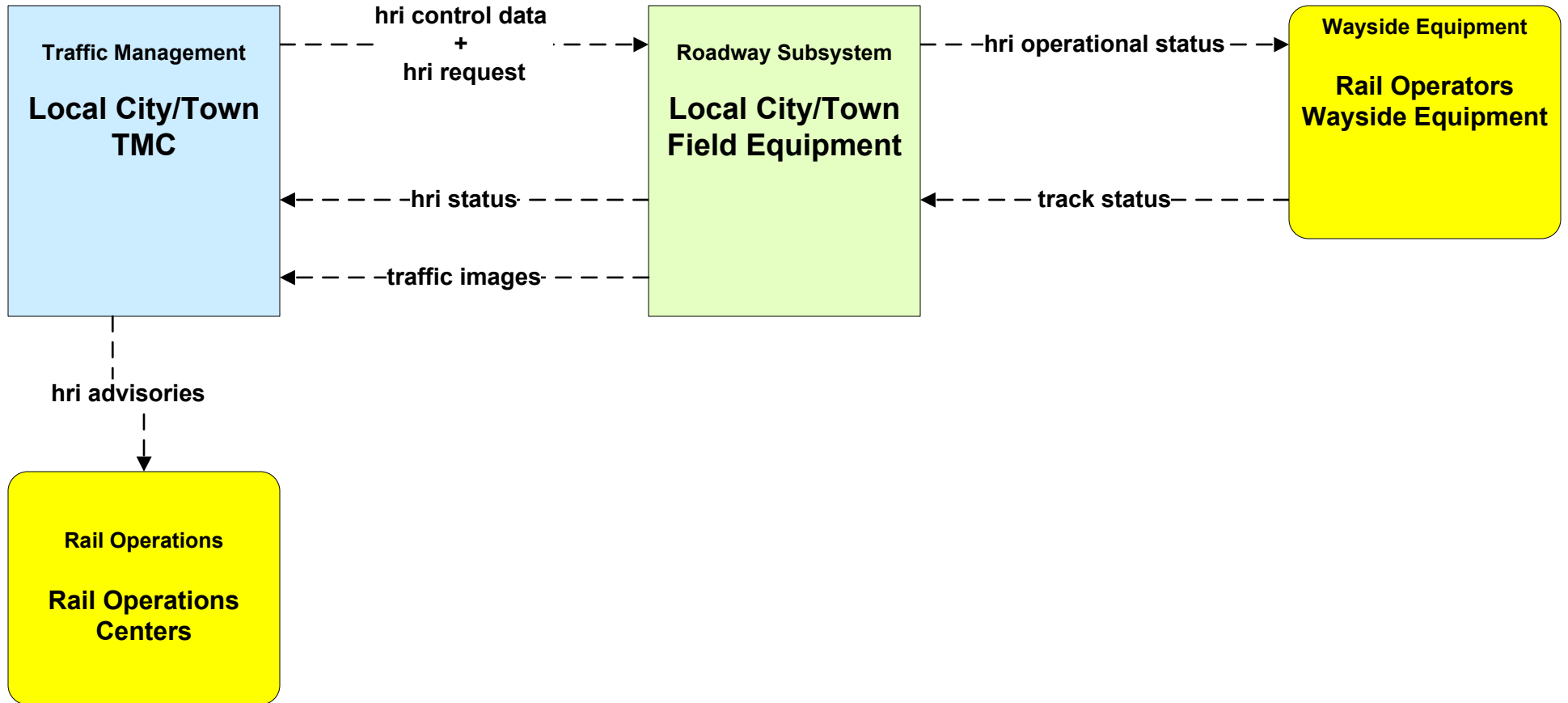
**ATMS10 - Electronic Toll Collection
MassDOT - Highway Division (2 of 2)**



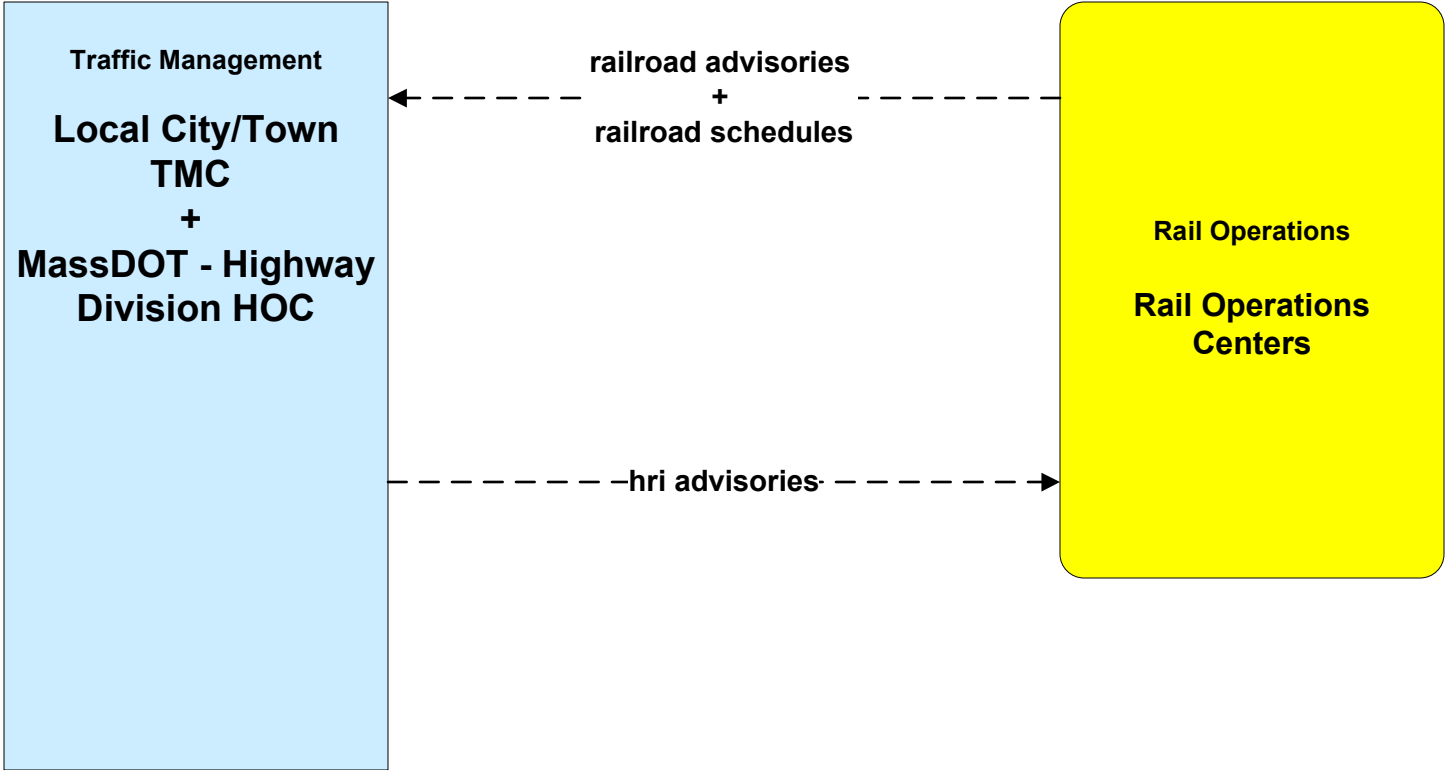
**ATMS13 - Standard Railroad Crossing
MassDOT - Highway Division**



**ATMS13 - Standard Railroad Crossing
Local City/Town**



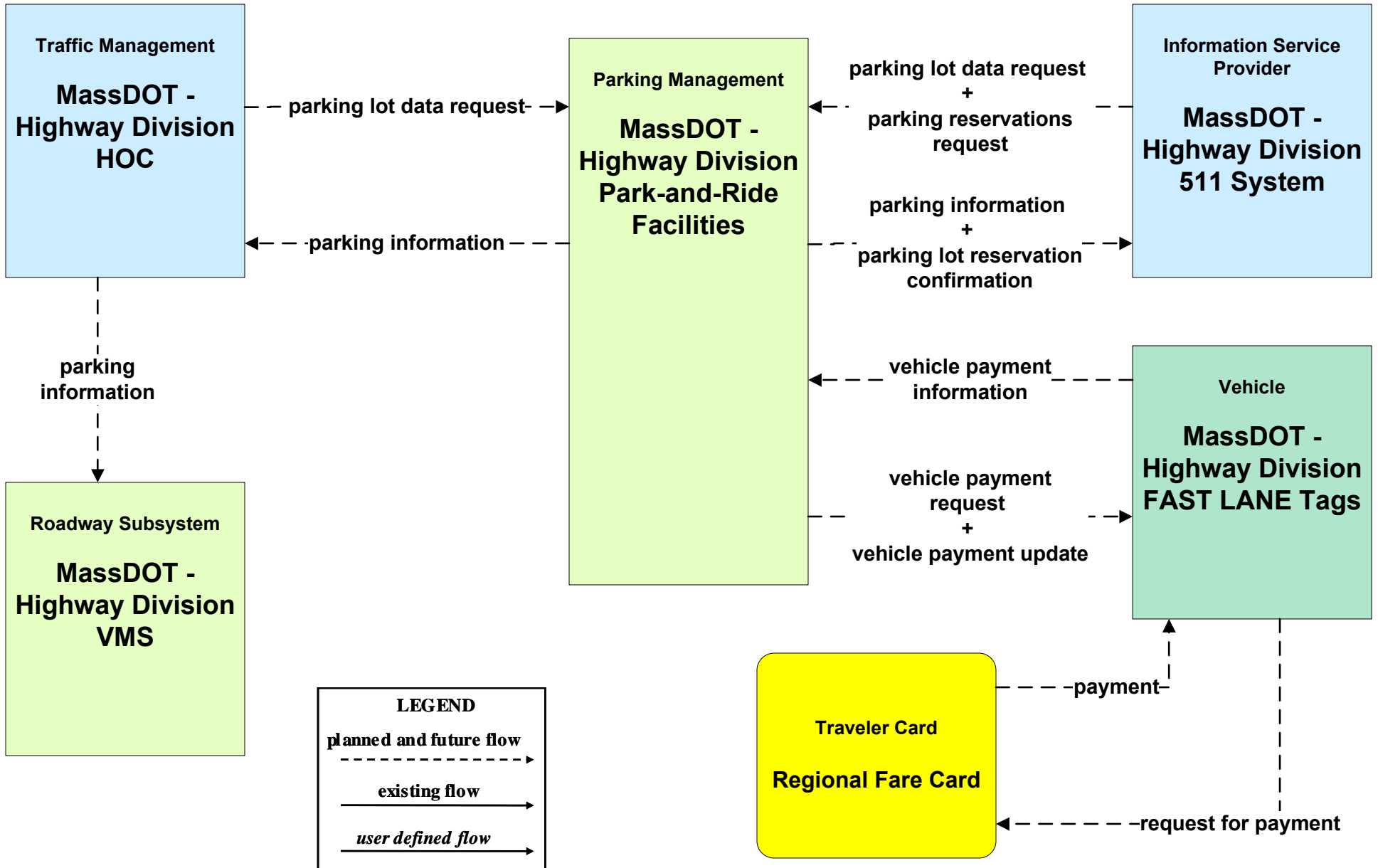
**ATMS15 - Railroad Operations Coordination
Rail Operations Centers**



LEGEND

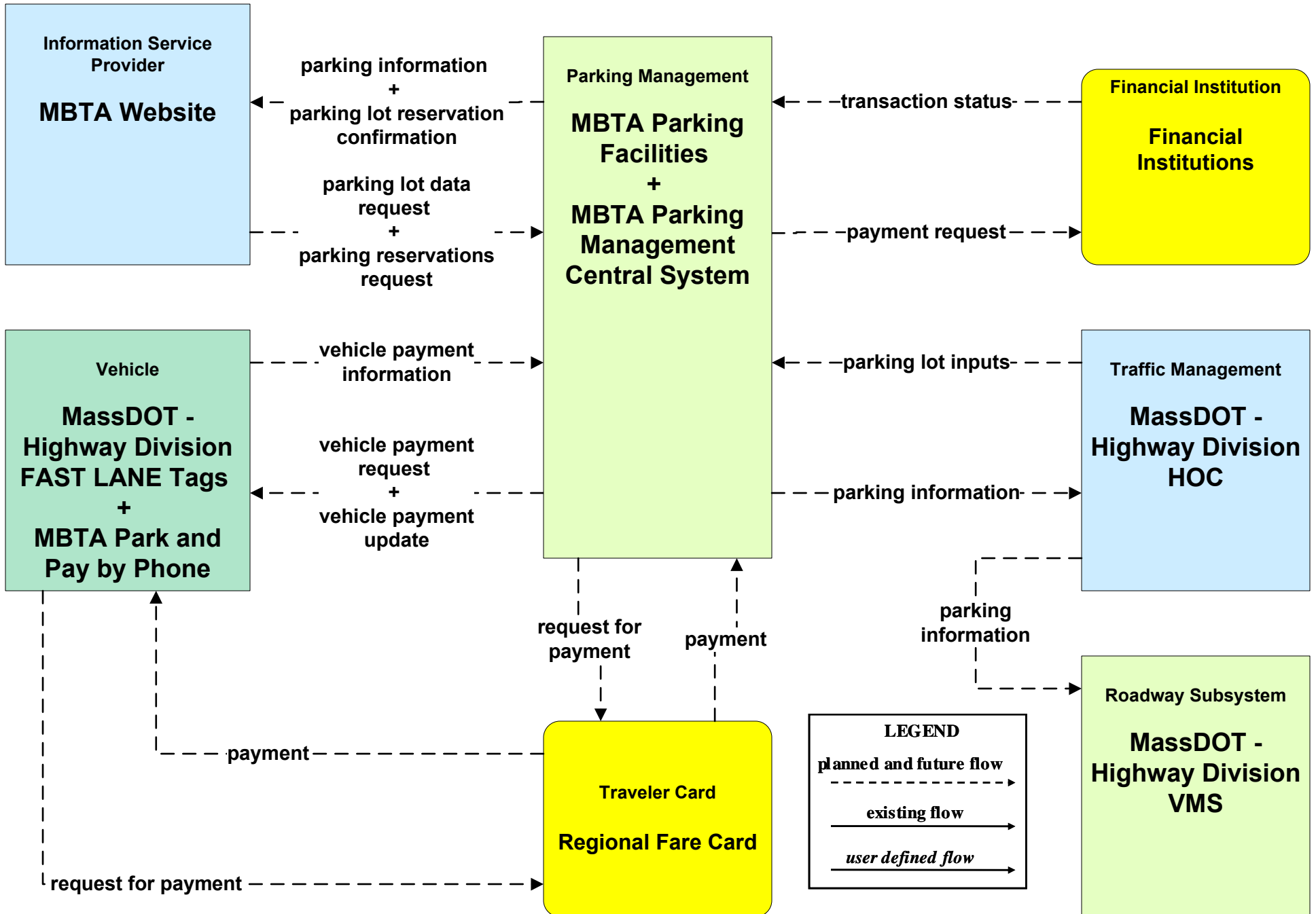
- planned and future flow**
----->
- existing flow**
—————>
- user defined flow**
—————>

**ATMS16 - Parking Facility Management
MassDOT - Highway Division**

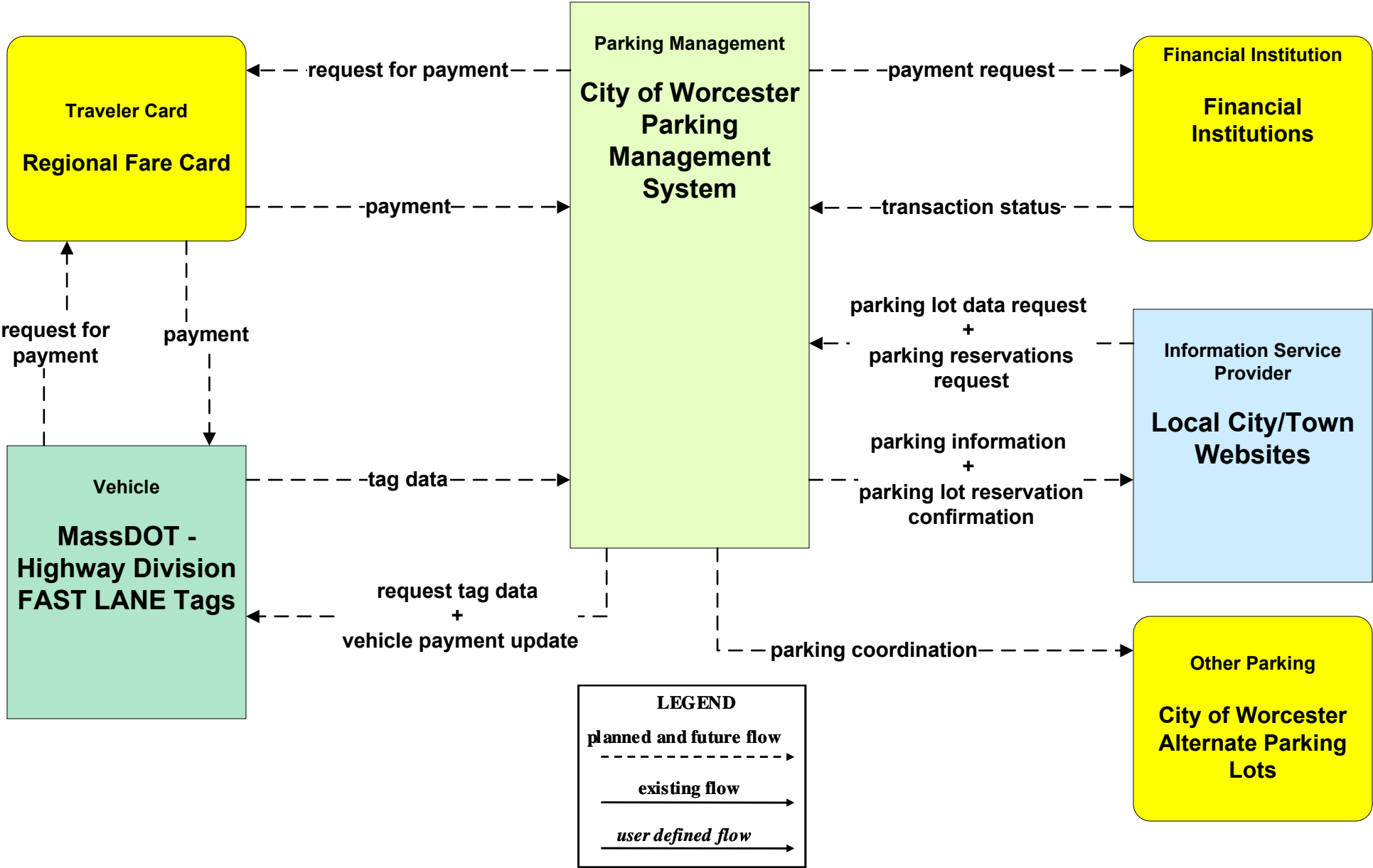


ATMS16 - Parking Facility Management

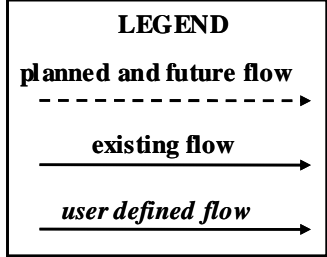
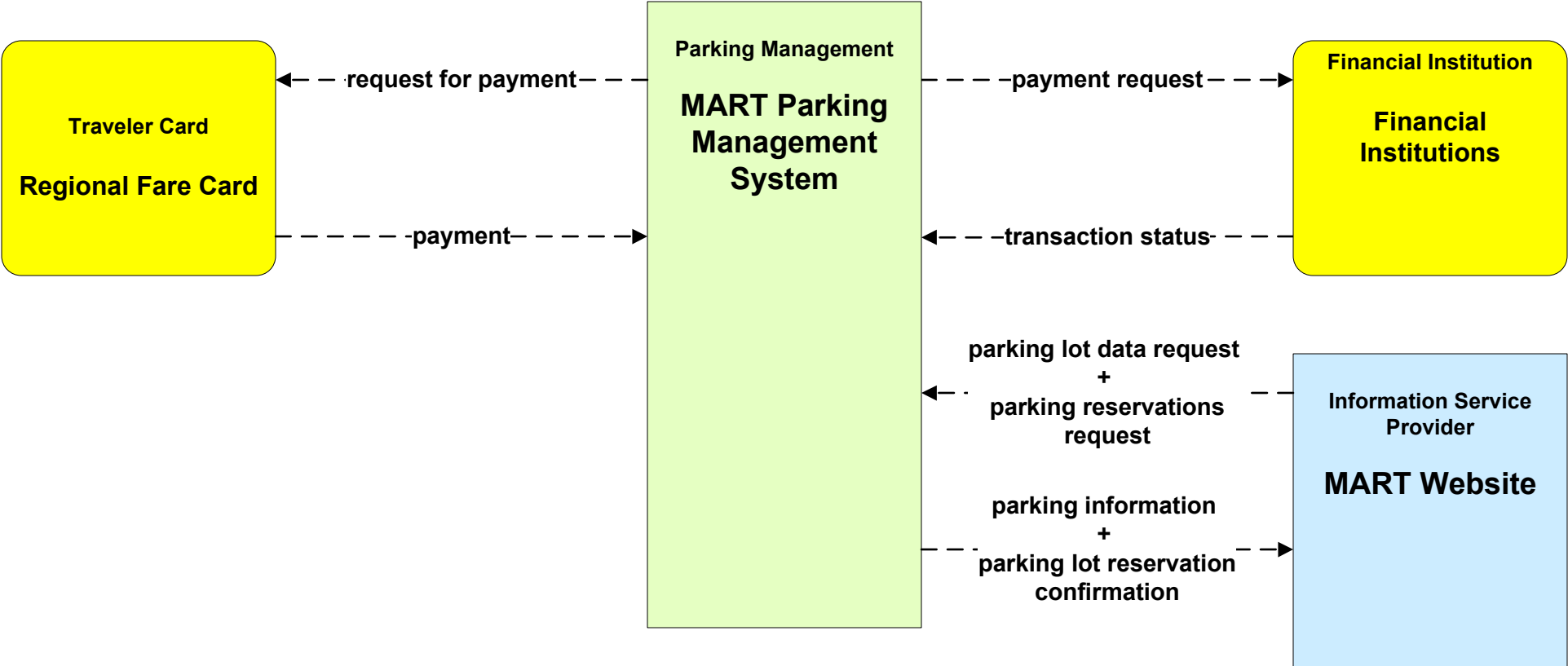
MBTA Parking Facilities



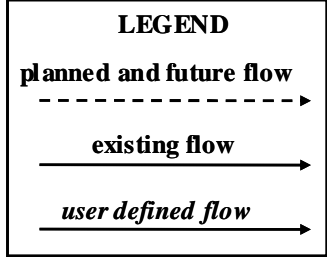
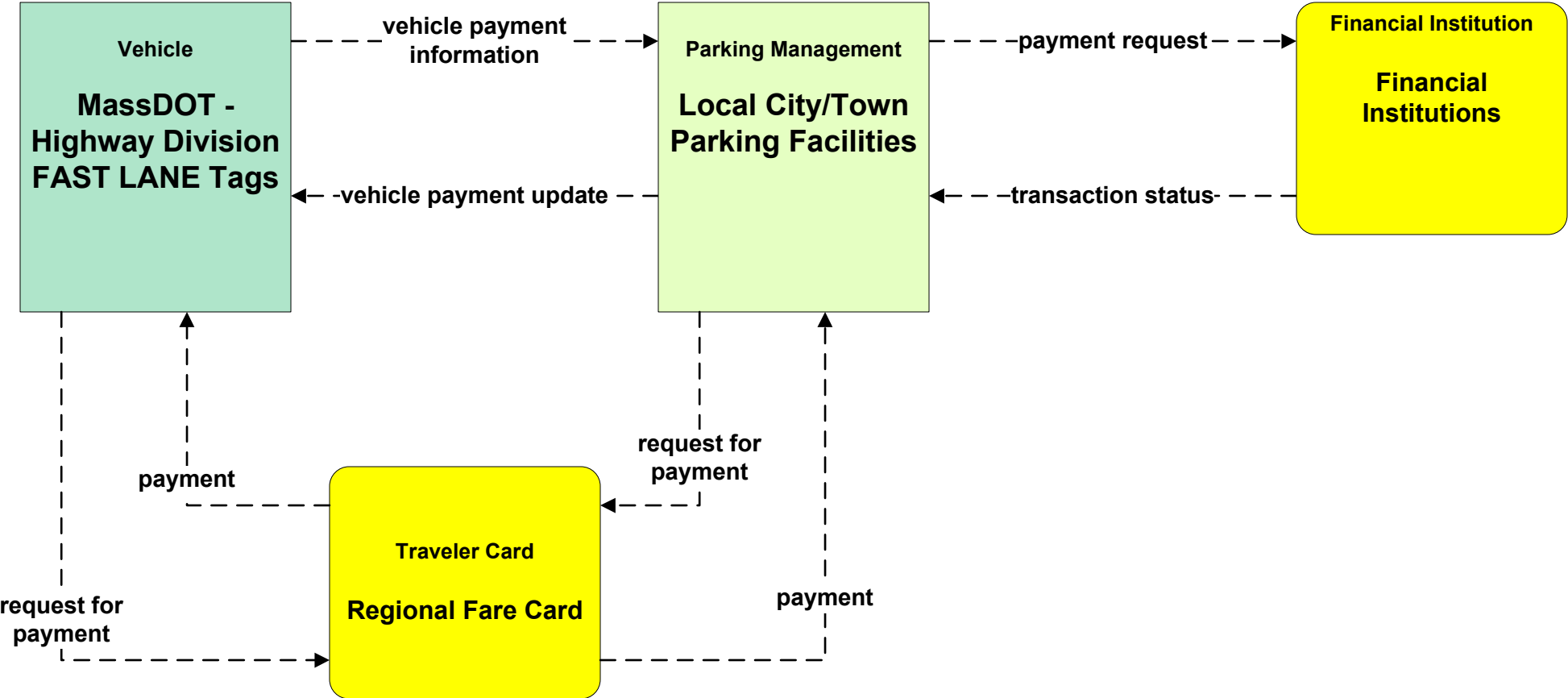
**ATMS16 - Parking Facility Management
City of Worcester**



**ATMS16 - Parking Facility Management
MART**



ATMS16 - Parking Facility Management Local City/Town



ATMS21 - Roadway Closure Management MassDOT - Highway Division

