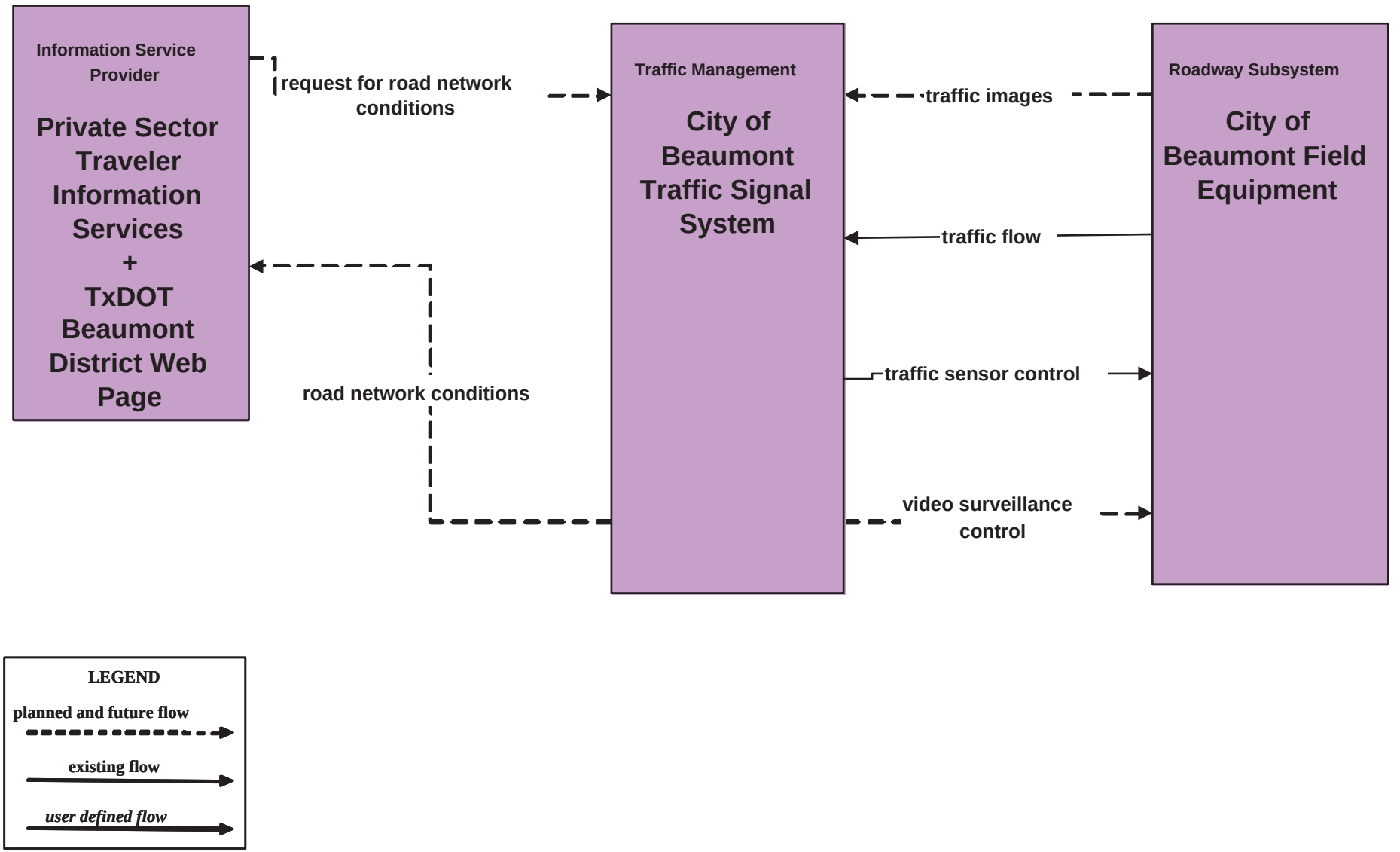
Beaumont Regional ITS Architecture

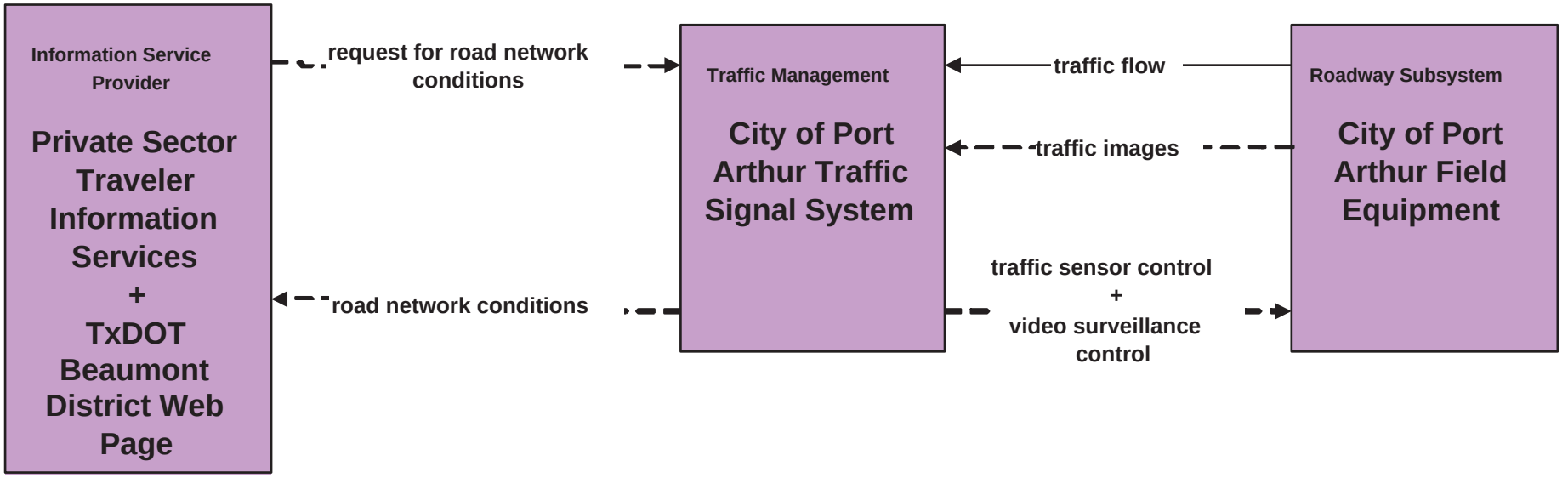
Customized Market Package Diagrams

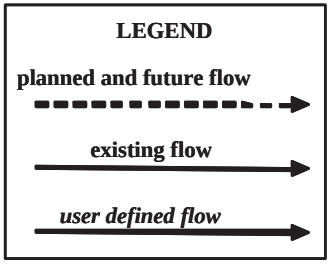
Advanced Traffic Management Systems (ATMS)

ATMS01 - Network Surveillance
City of Beaumont Traffic Signal System

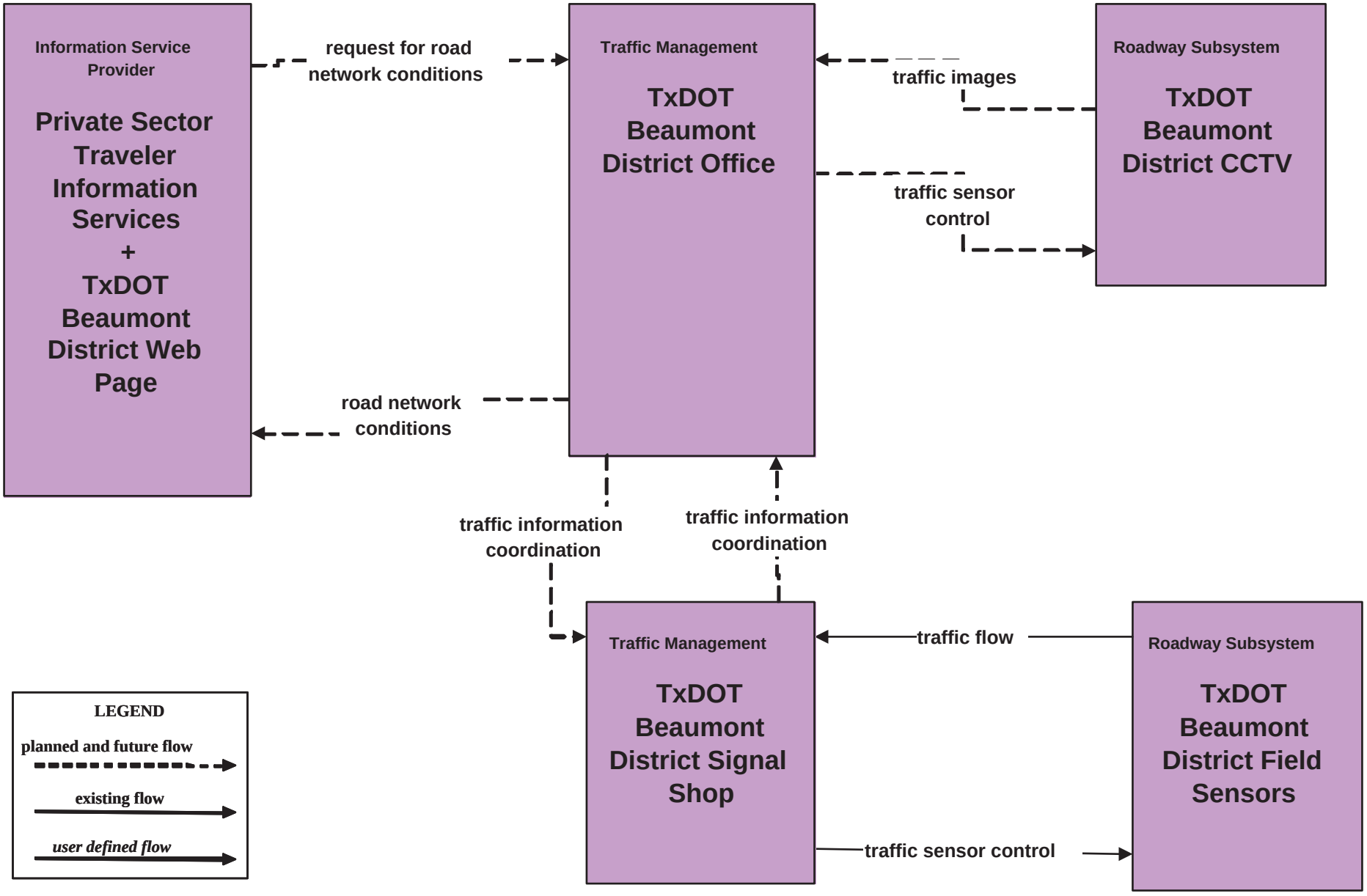


ATMS01 - Network Surveillance
City of Port Arthur Traffic Signal Systems

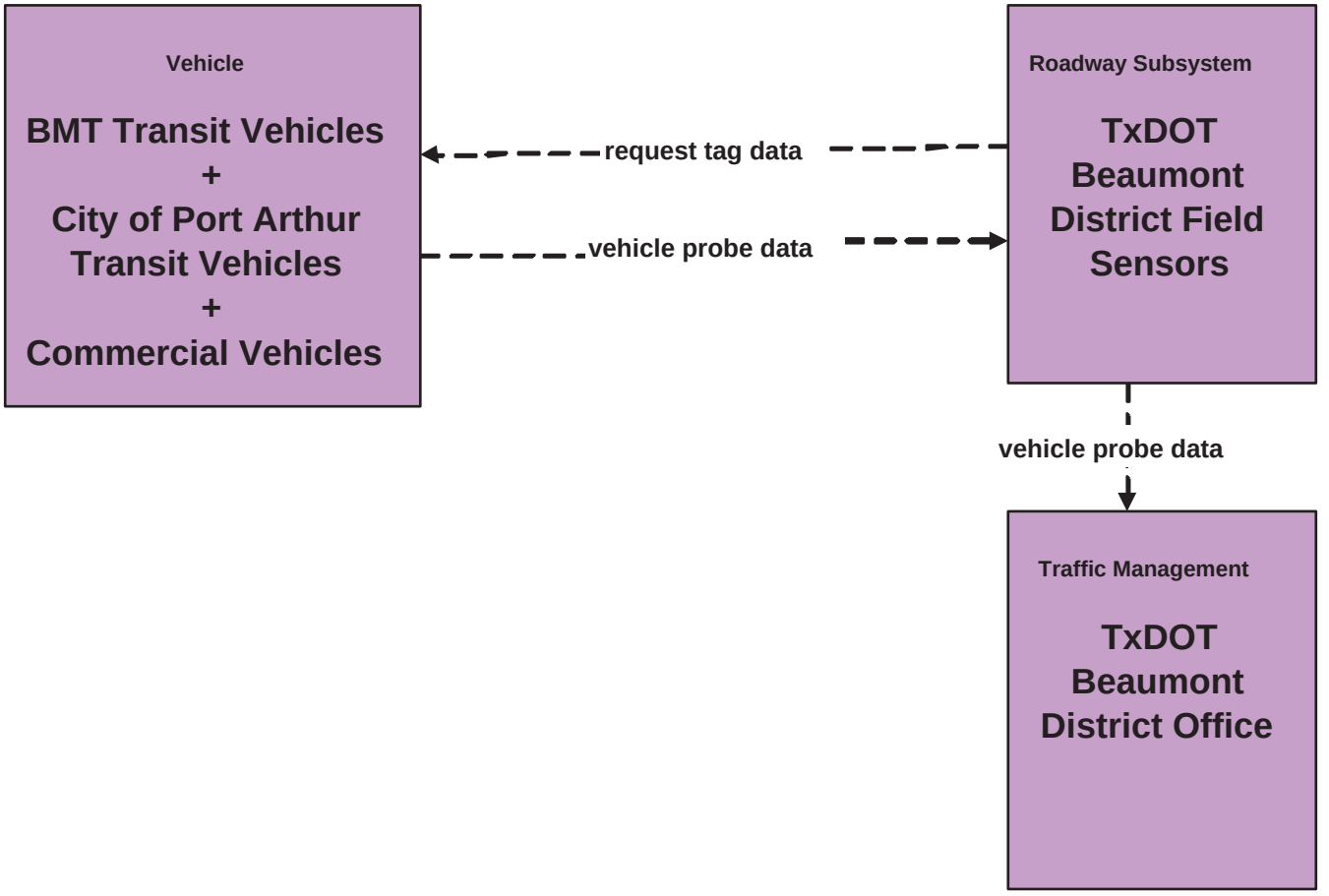


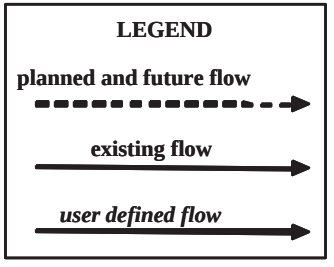


ATMS01 - Network Surveillance
TxDOT Beaumont District Office

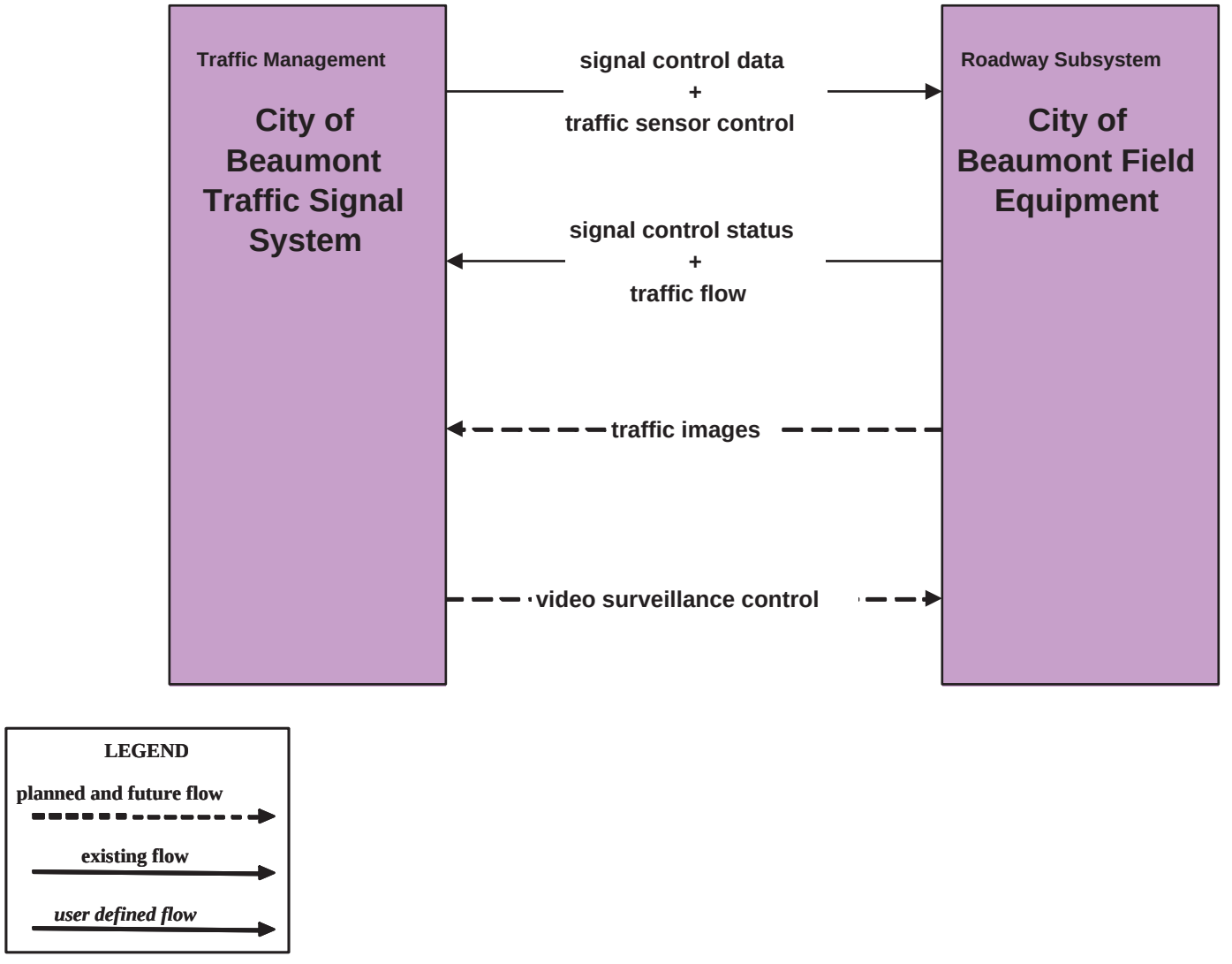


ATMS02 - Probe Surveillance
TxDOT Beaumont District

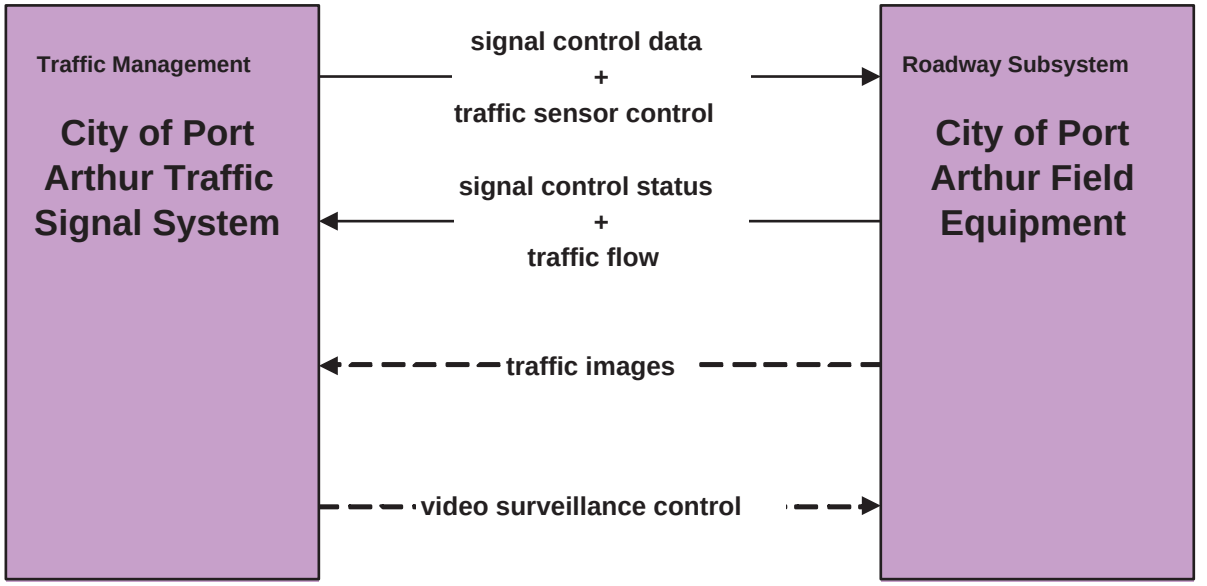


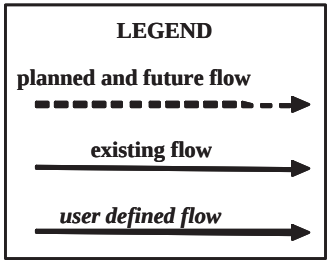


ATMS 03 - Surface Street Control
City of Beaumont Traffic Signal System

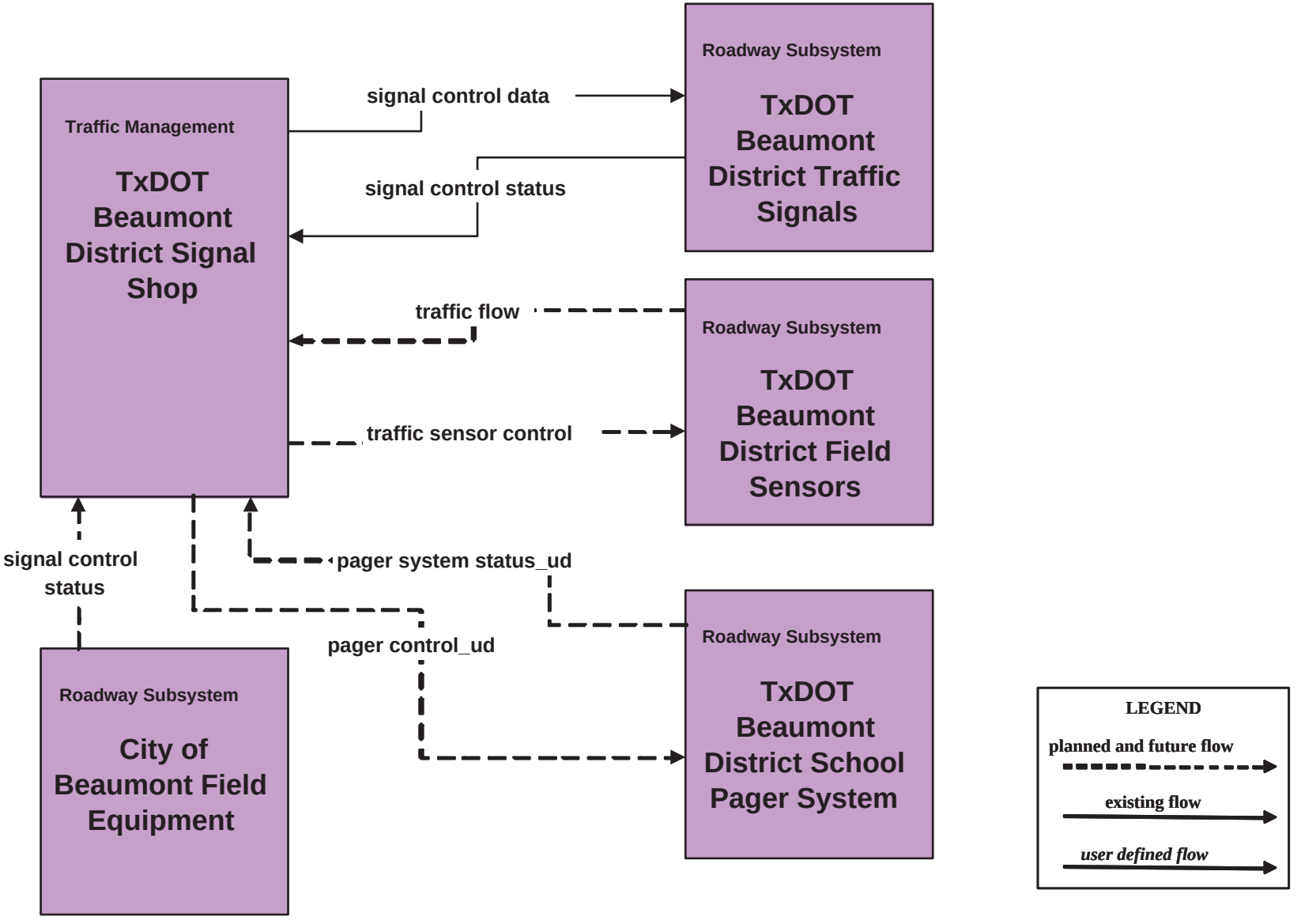


ATMS 03 - Surface Street Control
City of Port Arthur Traffic Signal System

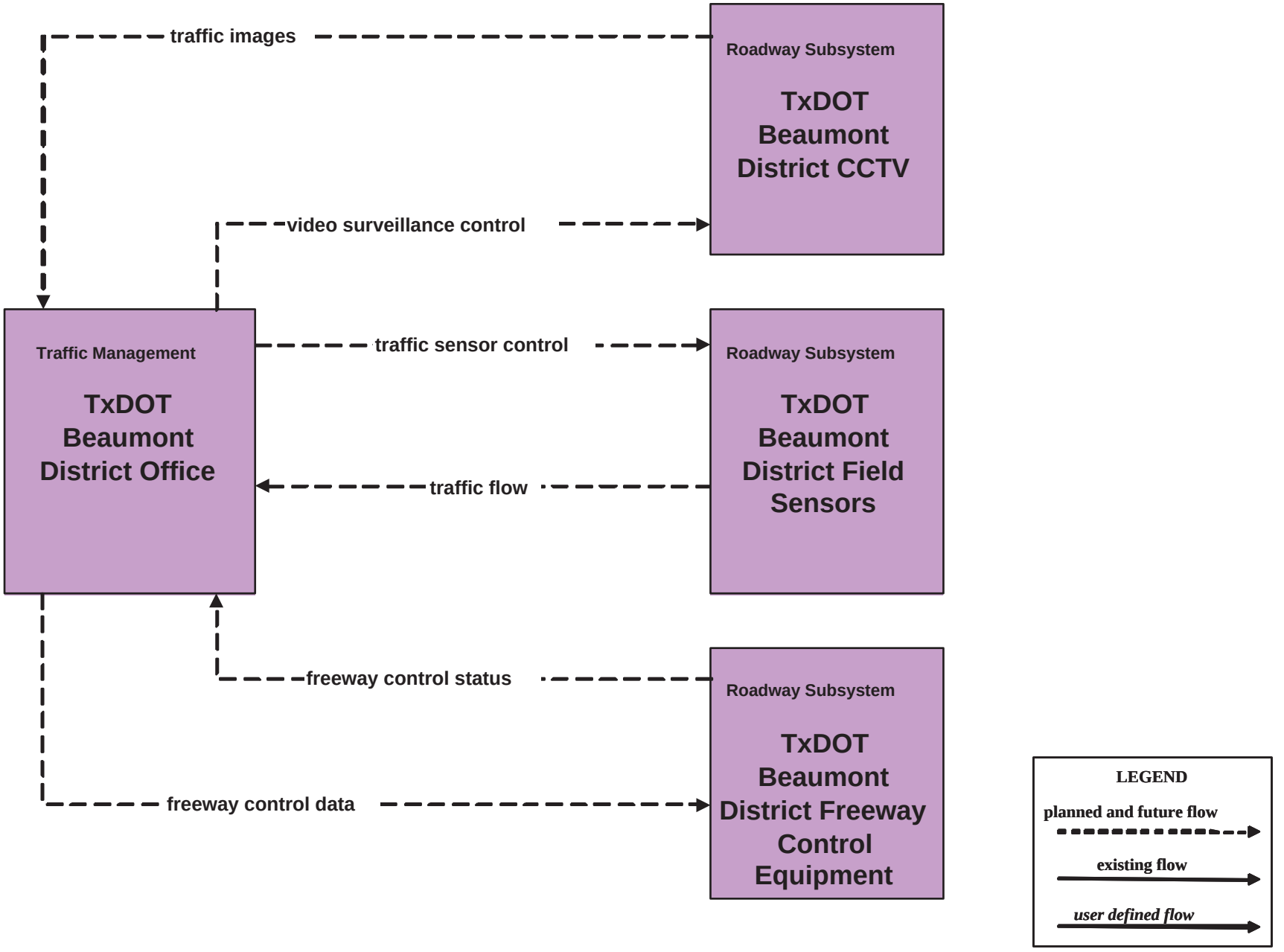




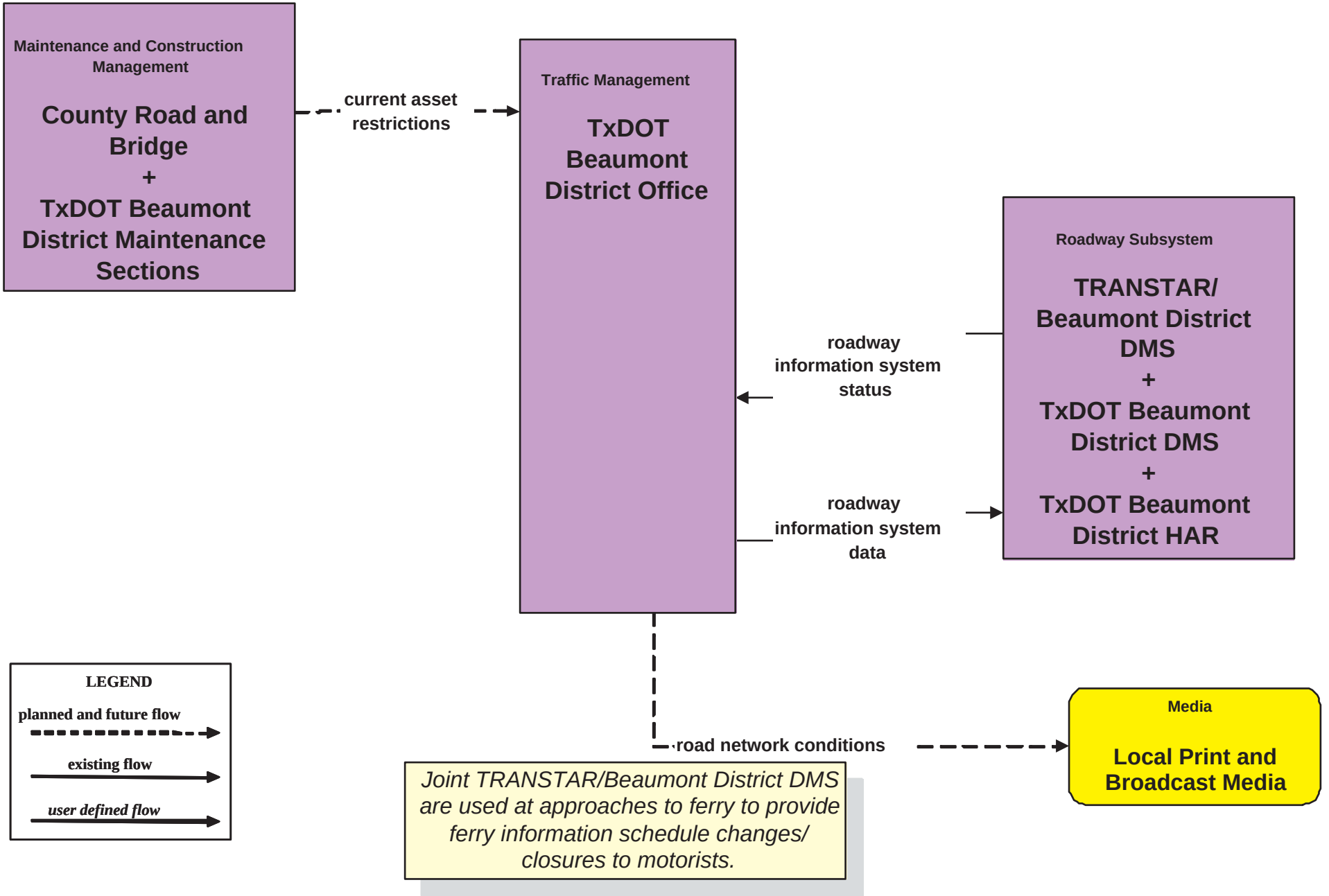
ATMS 03 - Surface Street Control
TxDOT Beaumont District Signal Shop



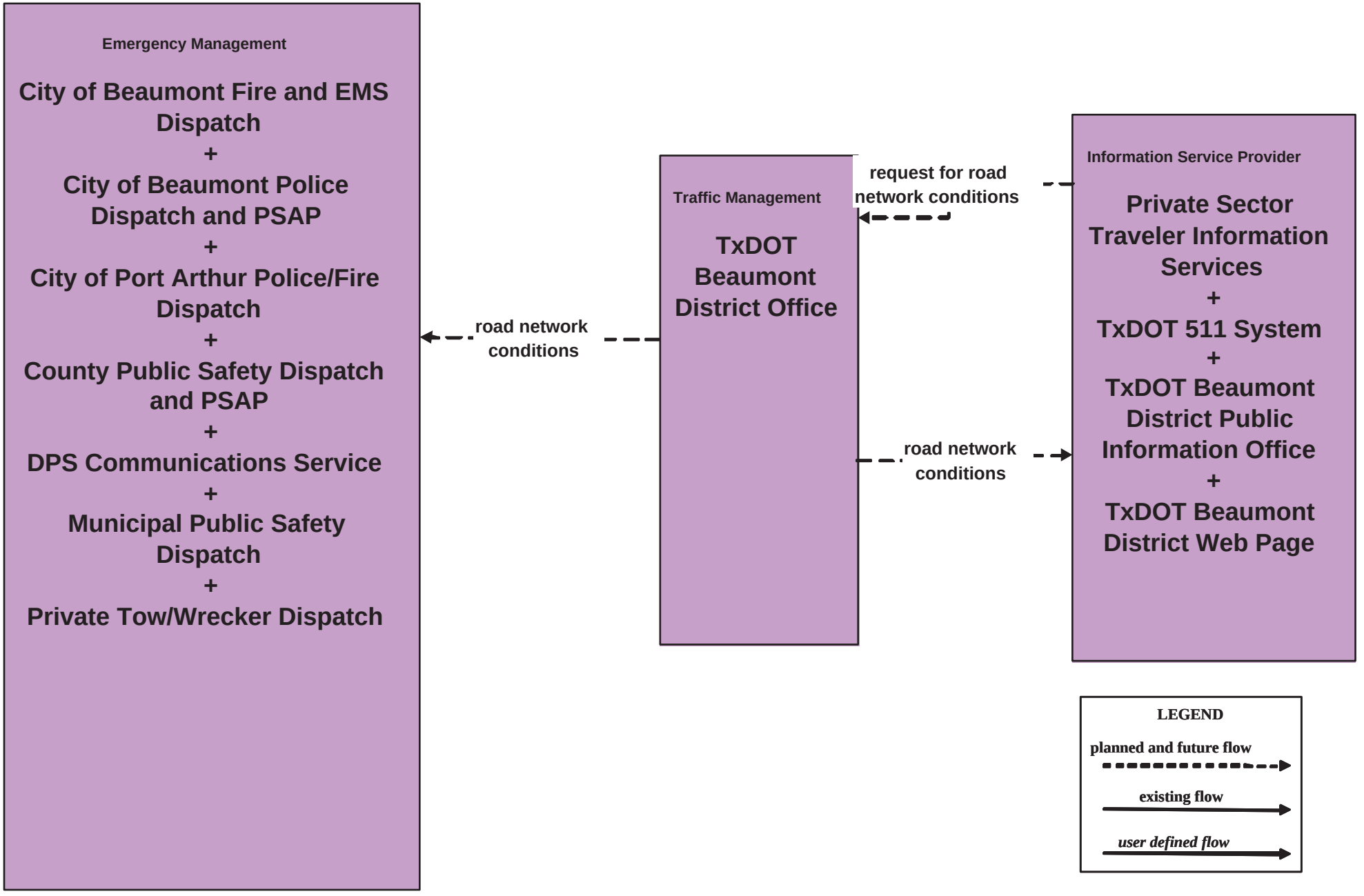
ATMS 04 - Freeway Control
TxDOT Beaumont District



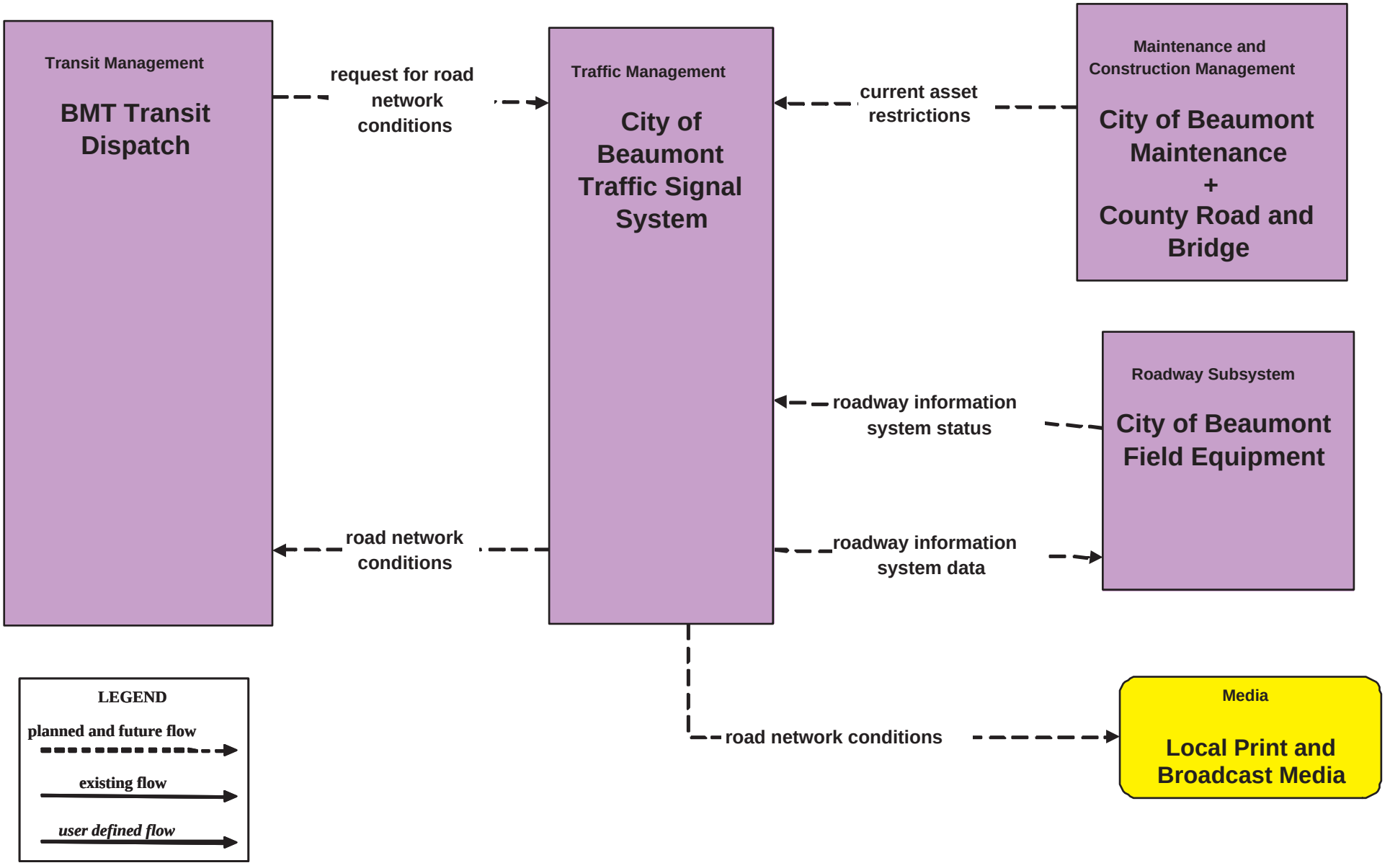
ATMS06 - Traffic Information Dissemination
TxDOT Beaumont District Office



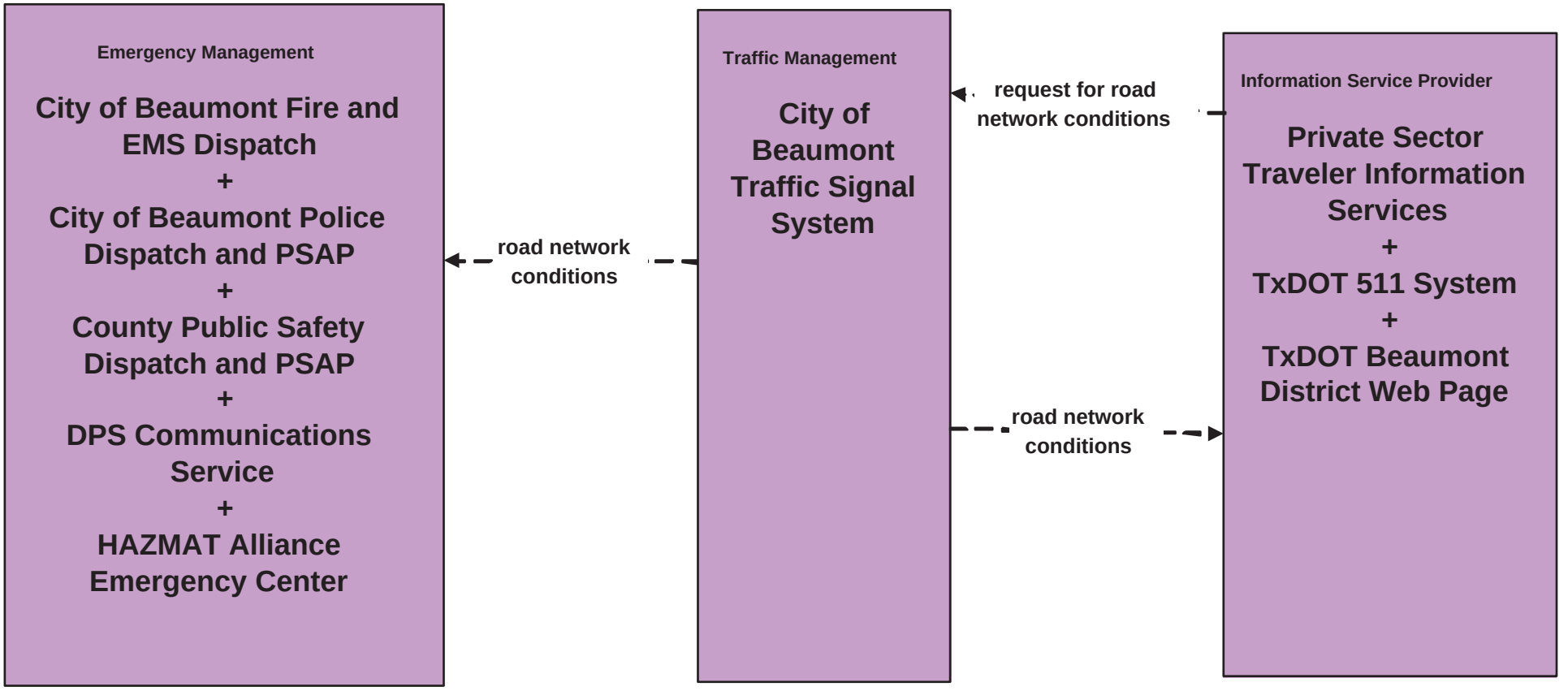
ATMS06 - Traffic Information Dissemination
TxDOT Beaumont District Office (TM to EM / ISP)

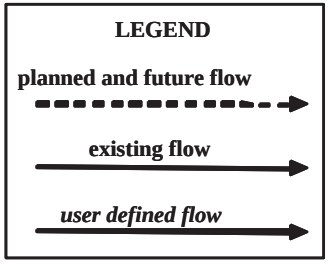


ATMS06 - Traffic Information Dissemination
City of Beaumont Traffic Signal System

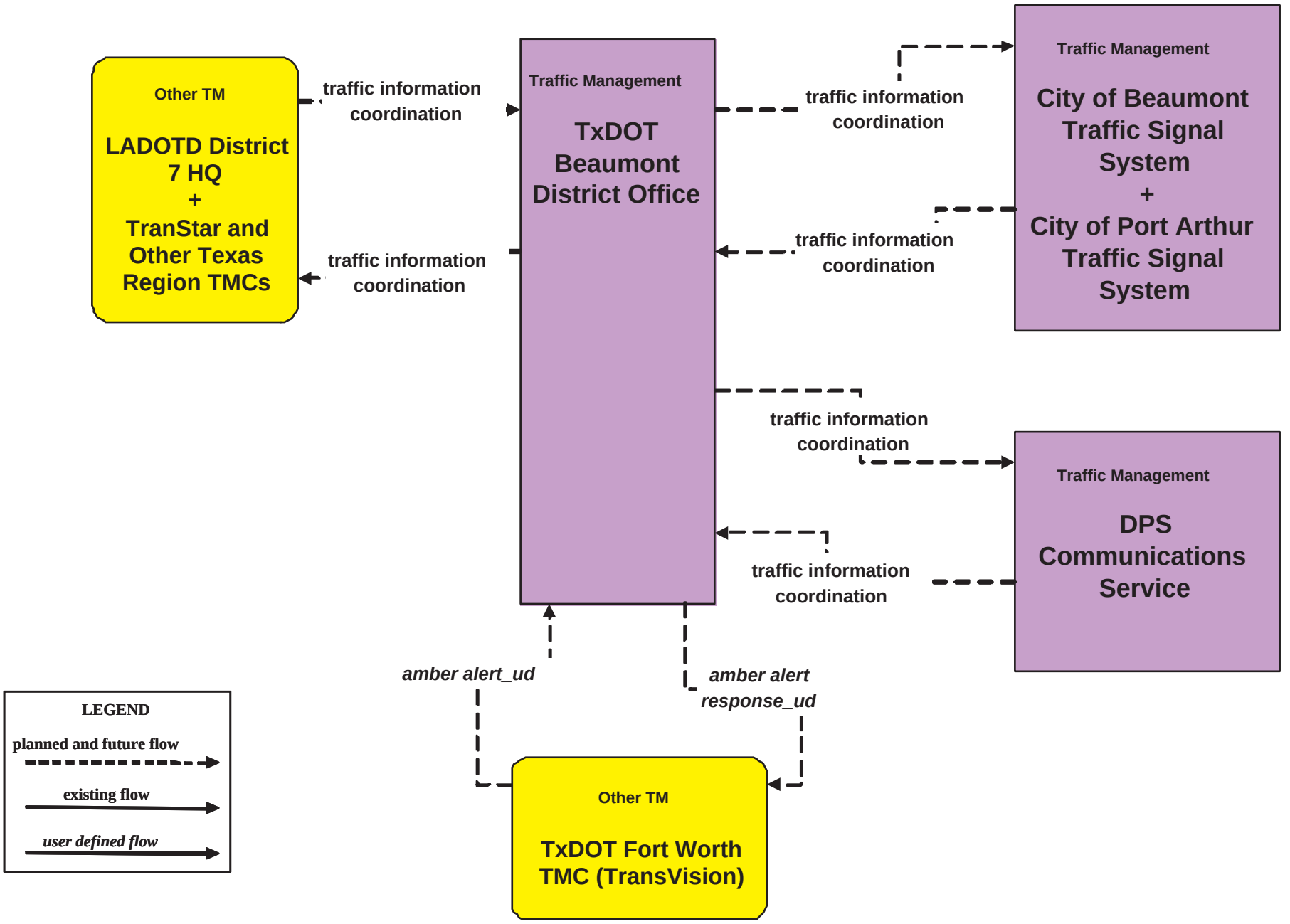


ATMS06 - Traffic Information Dissemination
City of Beaumont Traffic Signal System (TM to EM / ISP)

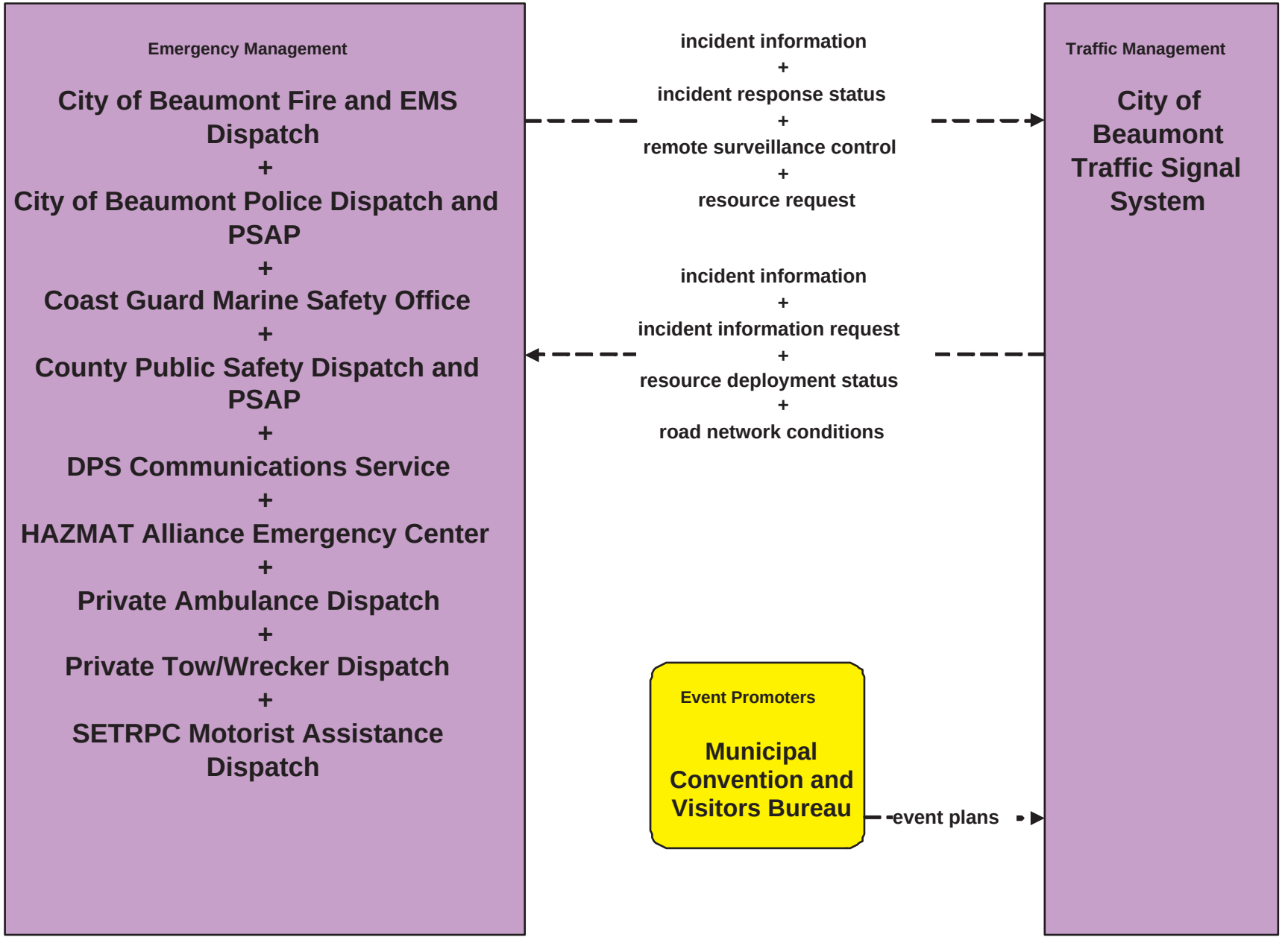




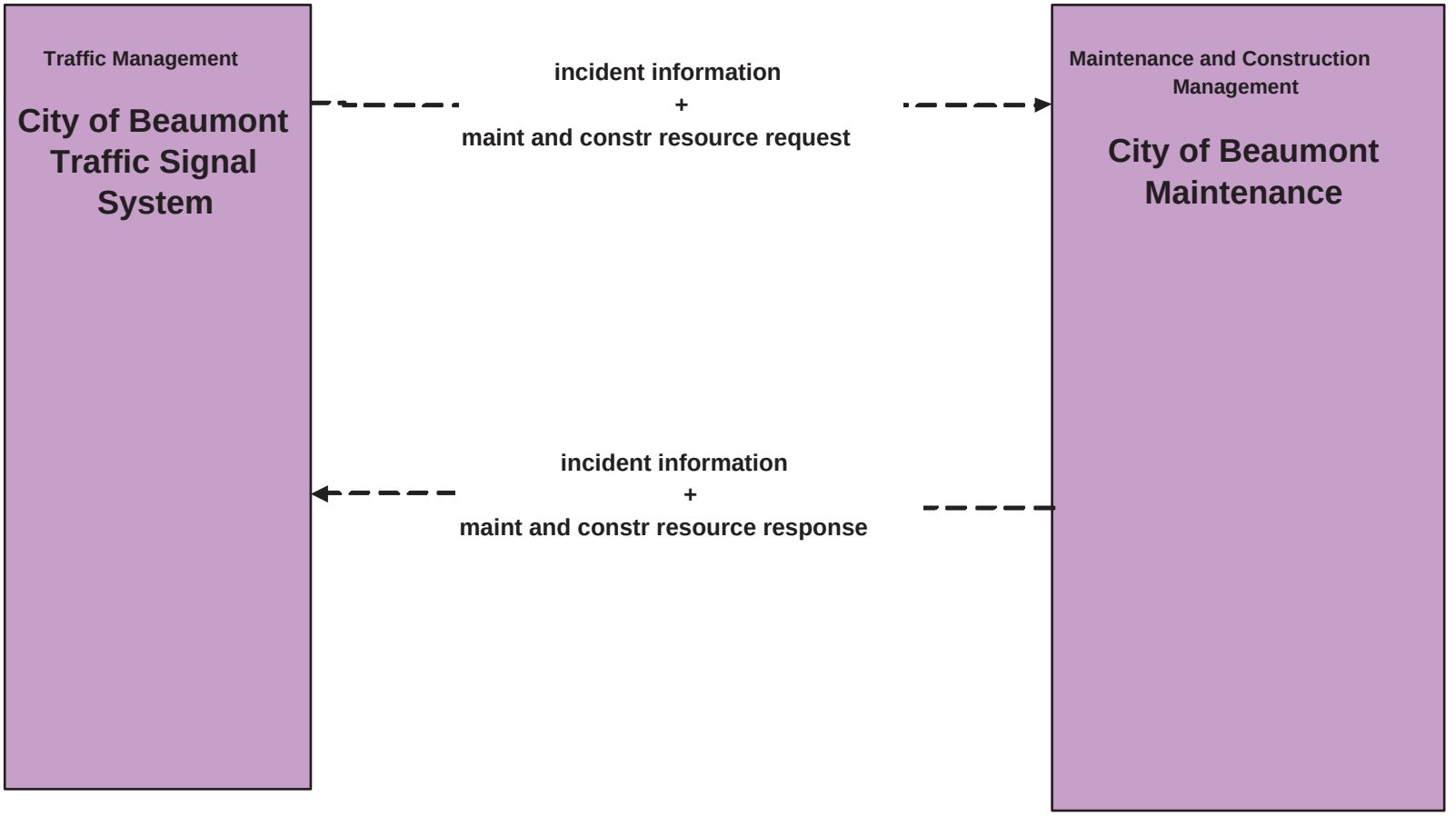
ATMS07 - Regional Traffic Control



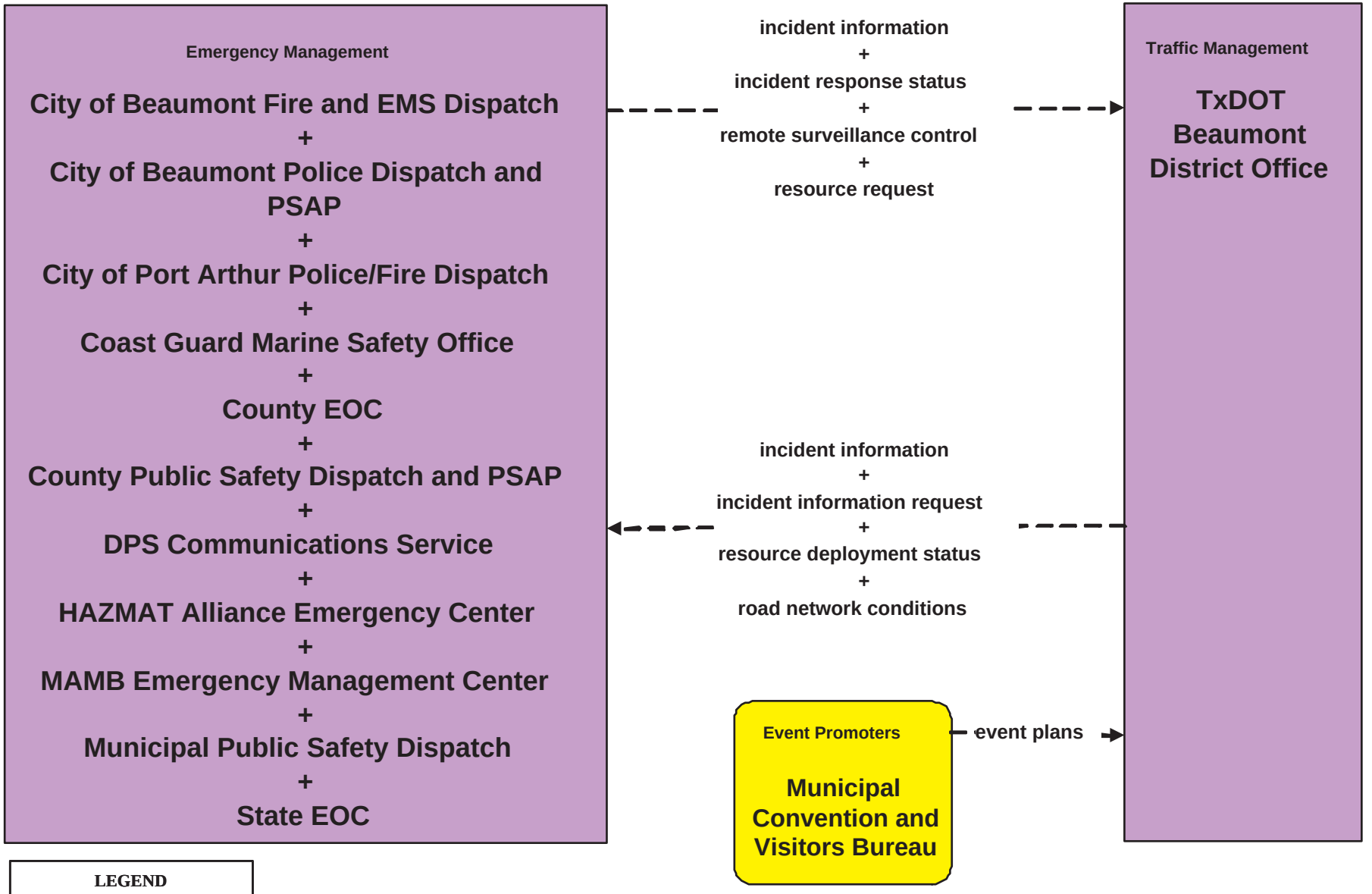
ATMS 08 - Incident Management
City of Beaumont Traffic Signal System (TM to EM)



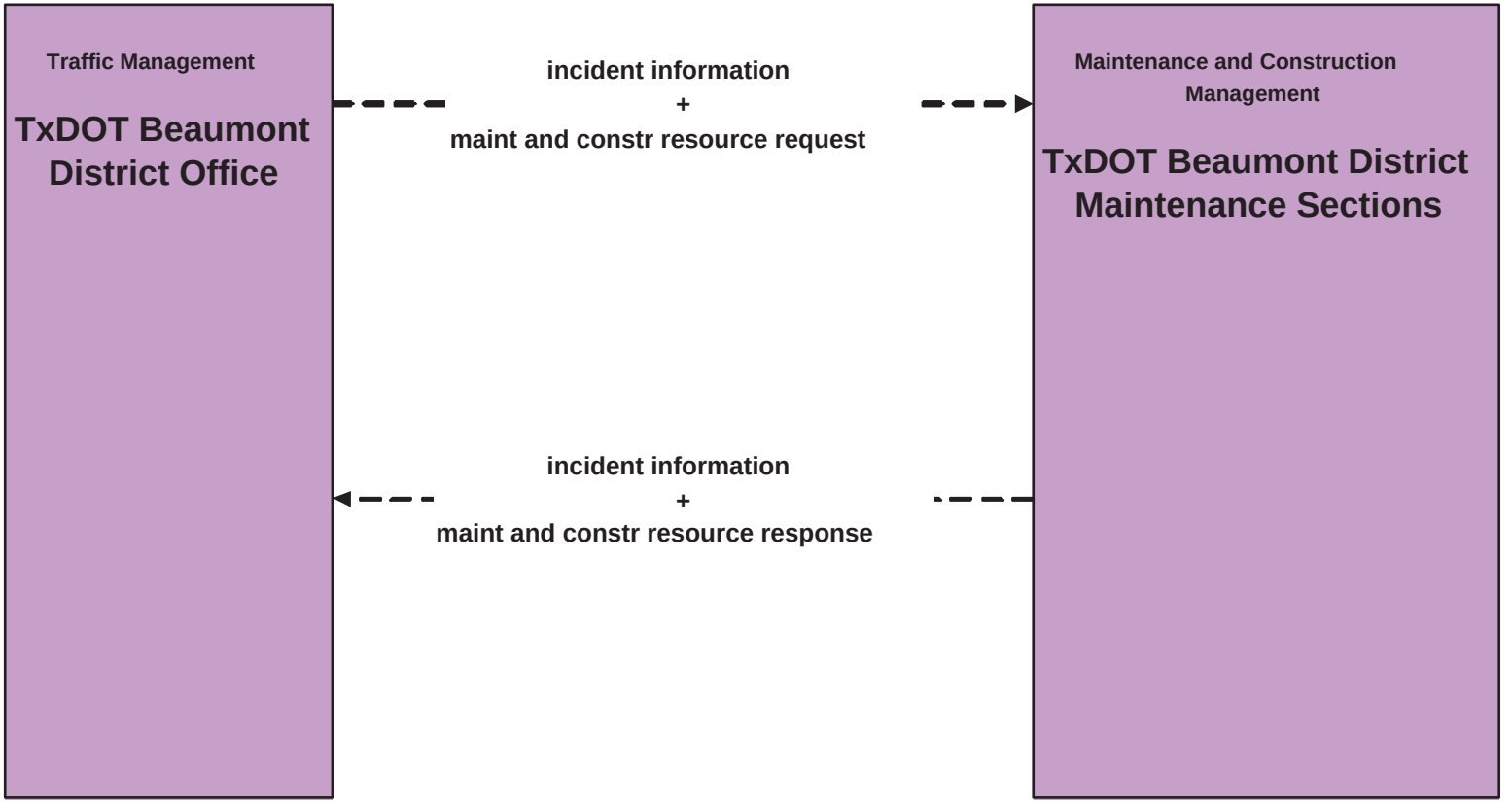
ATMS 08 - Incident Management
City of Beaumont Traffic Signal System (TM to MCM)



ATMS 08 - Incident Management
TxDOT Beaumont District Office (TM to EM)



ATMS 08 - Incident Management
TxDOT Beaumont District Office (TM to MCM)



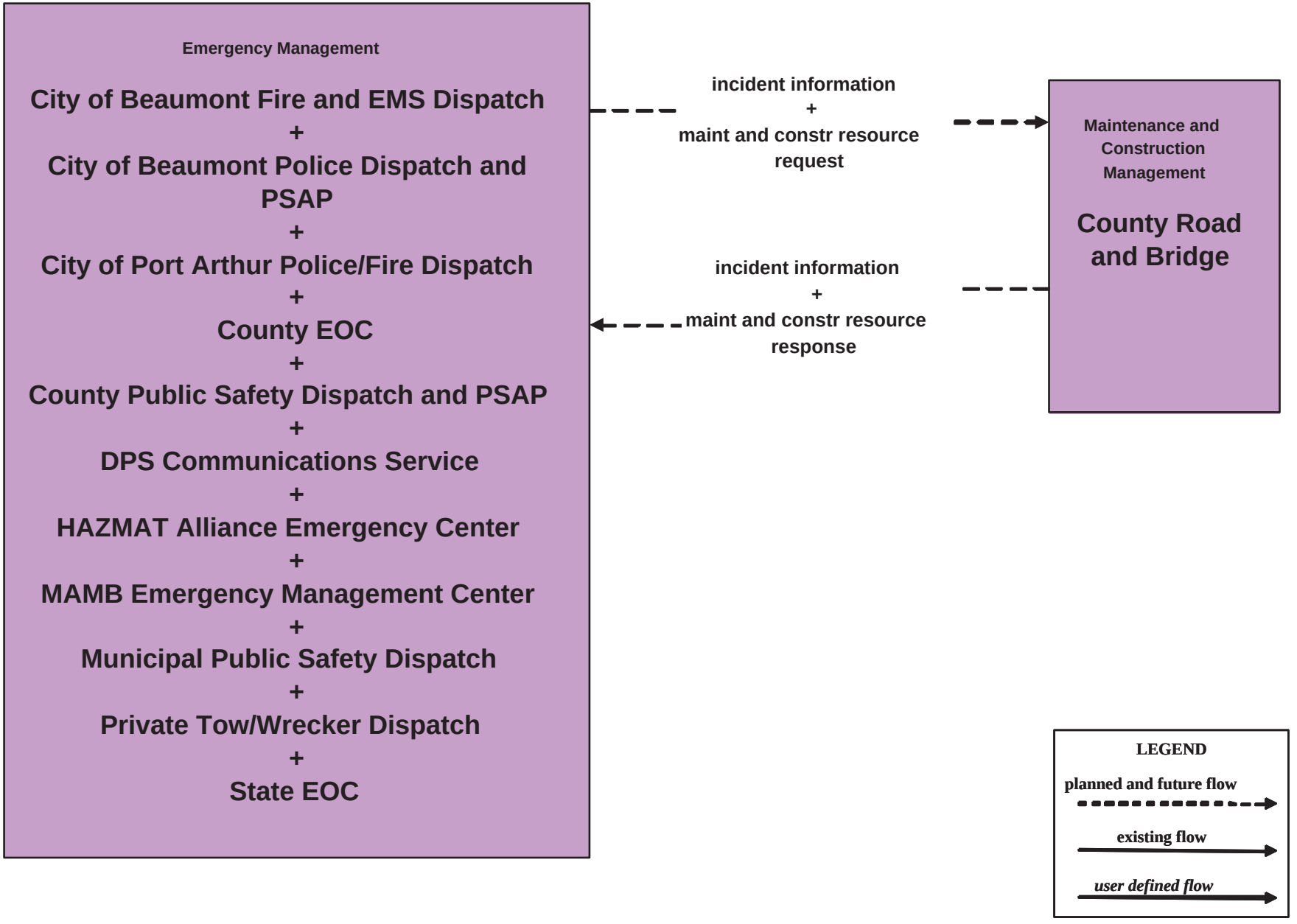
LEGEND

planned and future flow

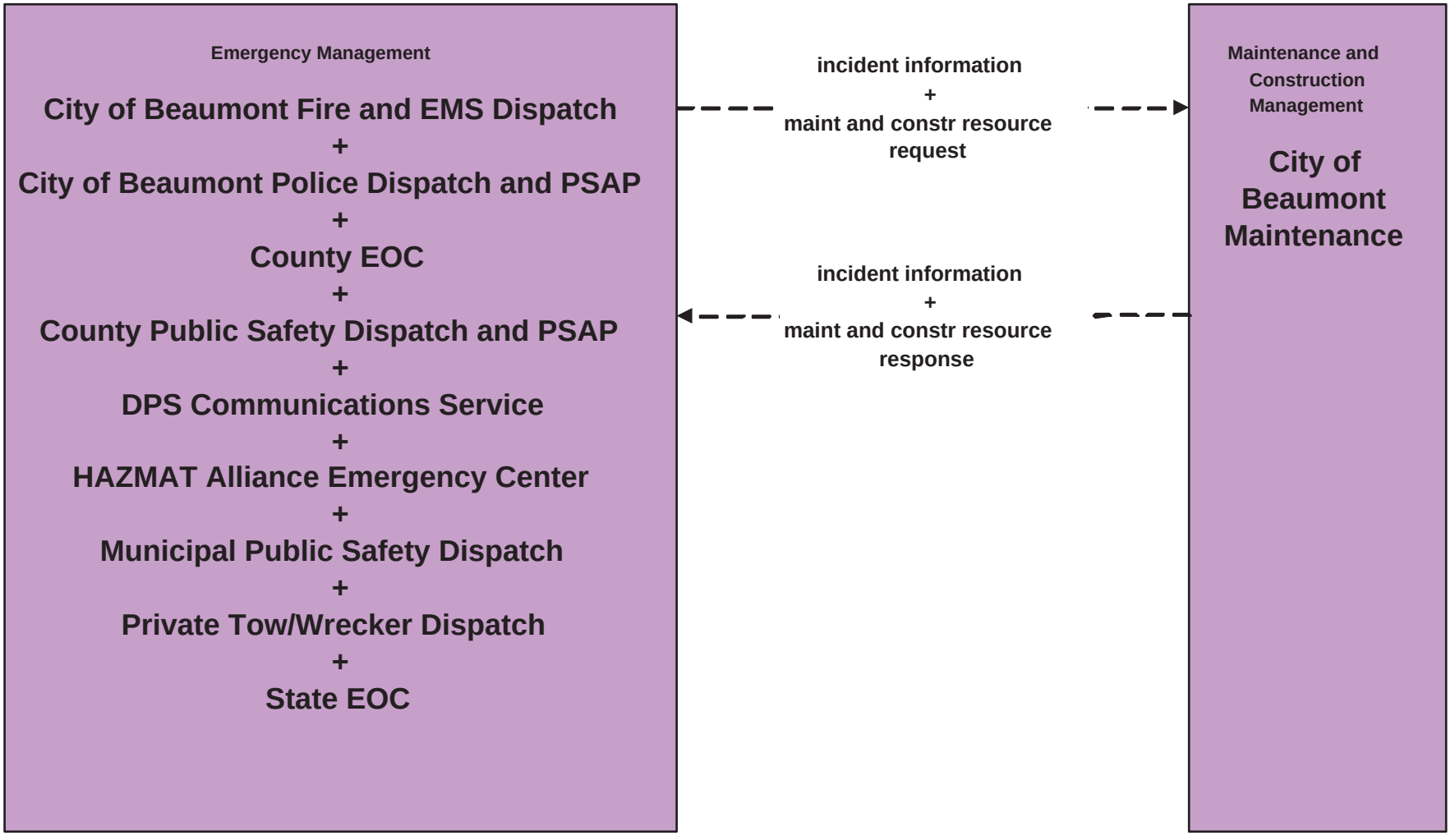
existing flow

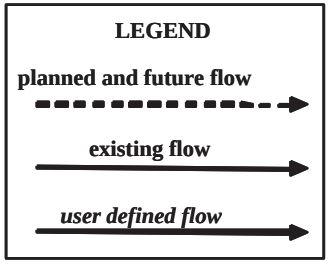
user defined flow

ATMS 08 - Incident Management
County Road and Bridge (MCM to EM)

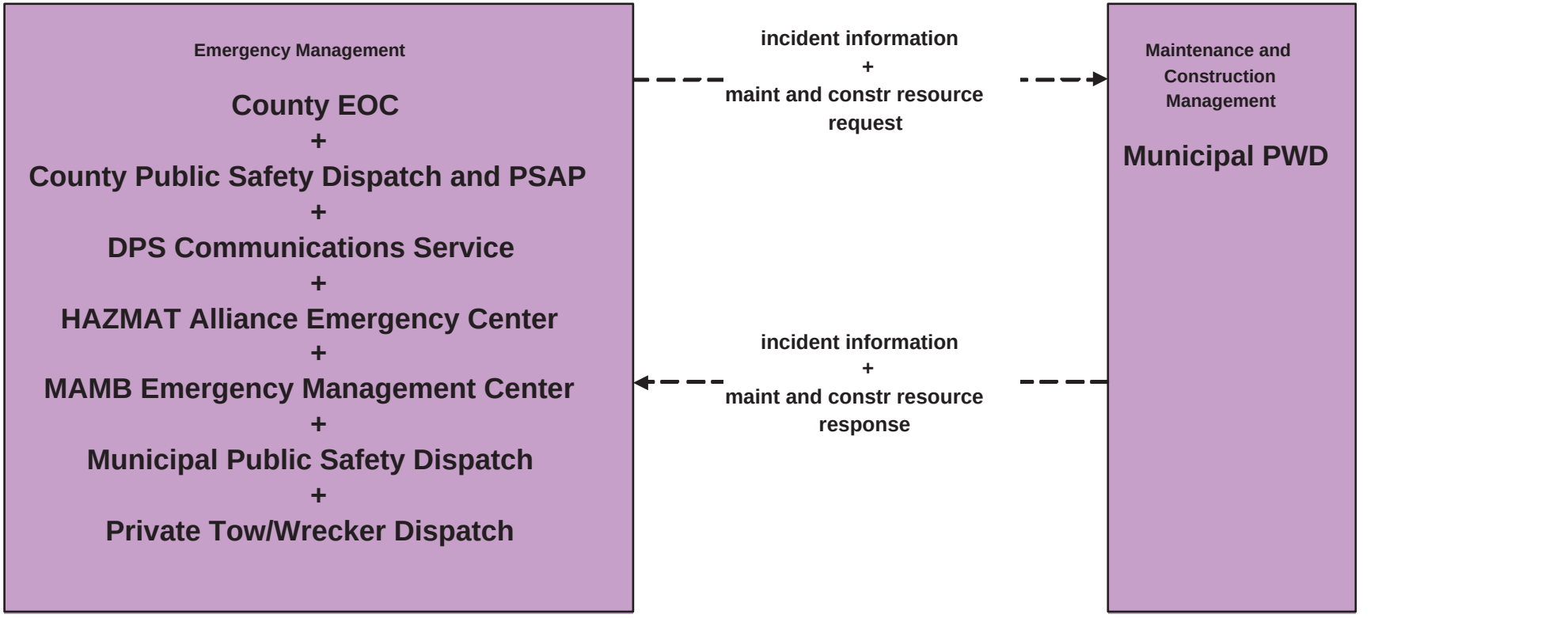


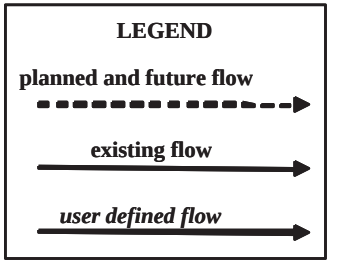
ATMS 08 - Incident Management
City of Beaumont Maintenance (MCM to EM)



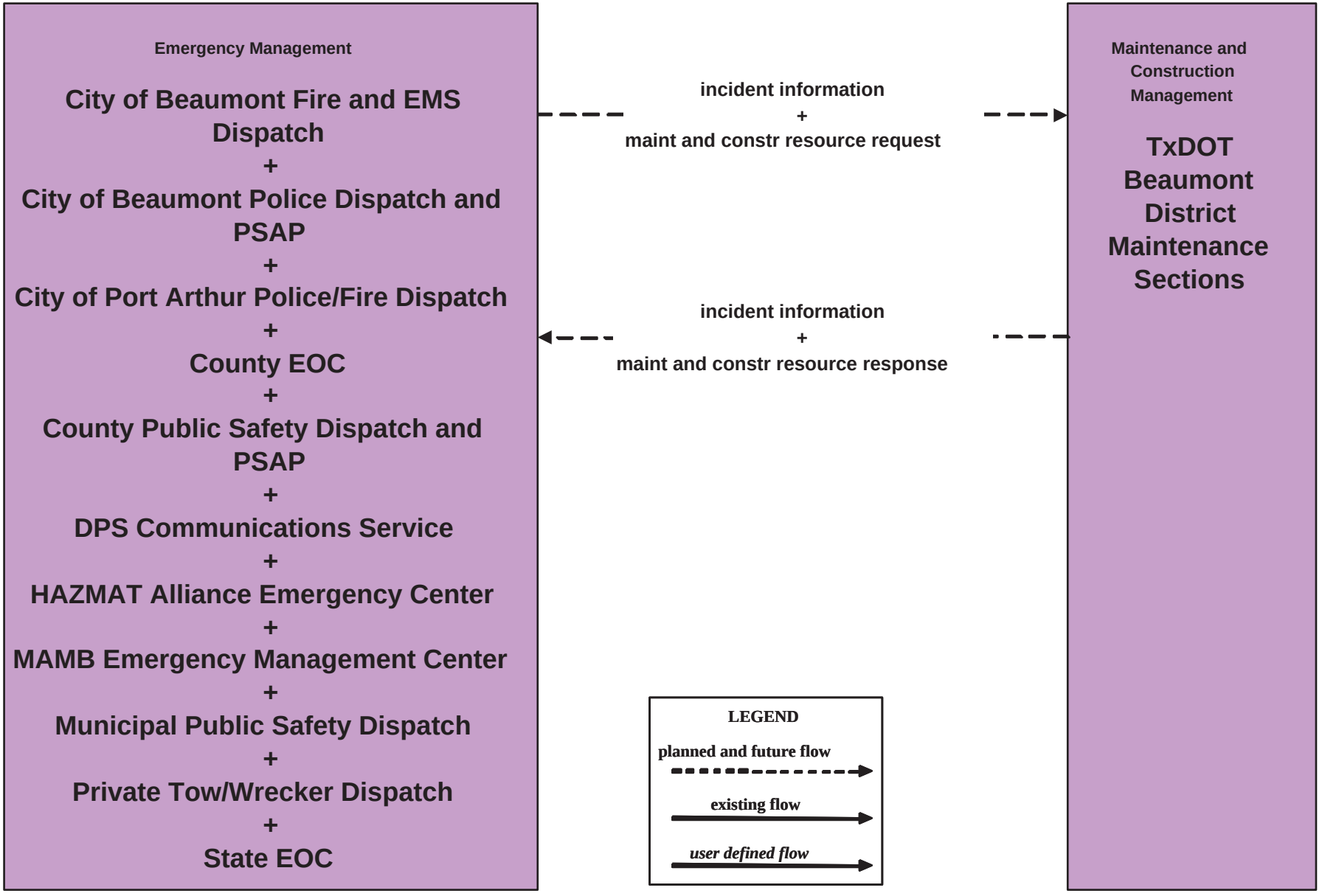


ATMS 08 - Incident Management
Municipal PWD (MCM to EM)

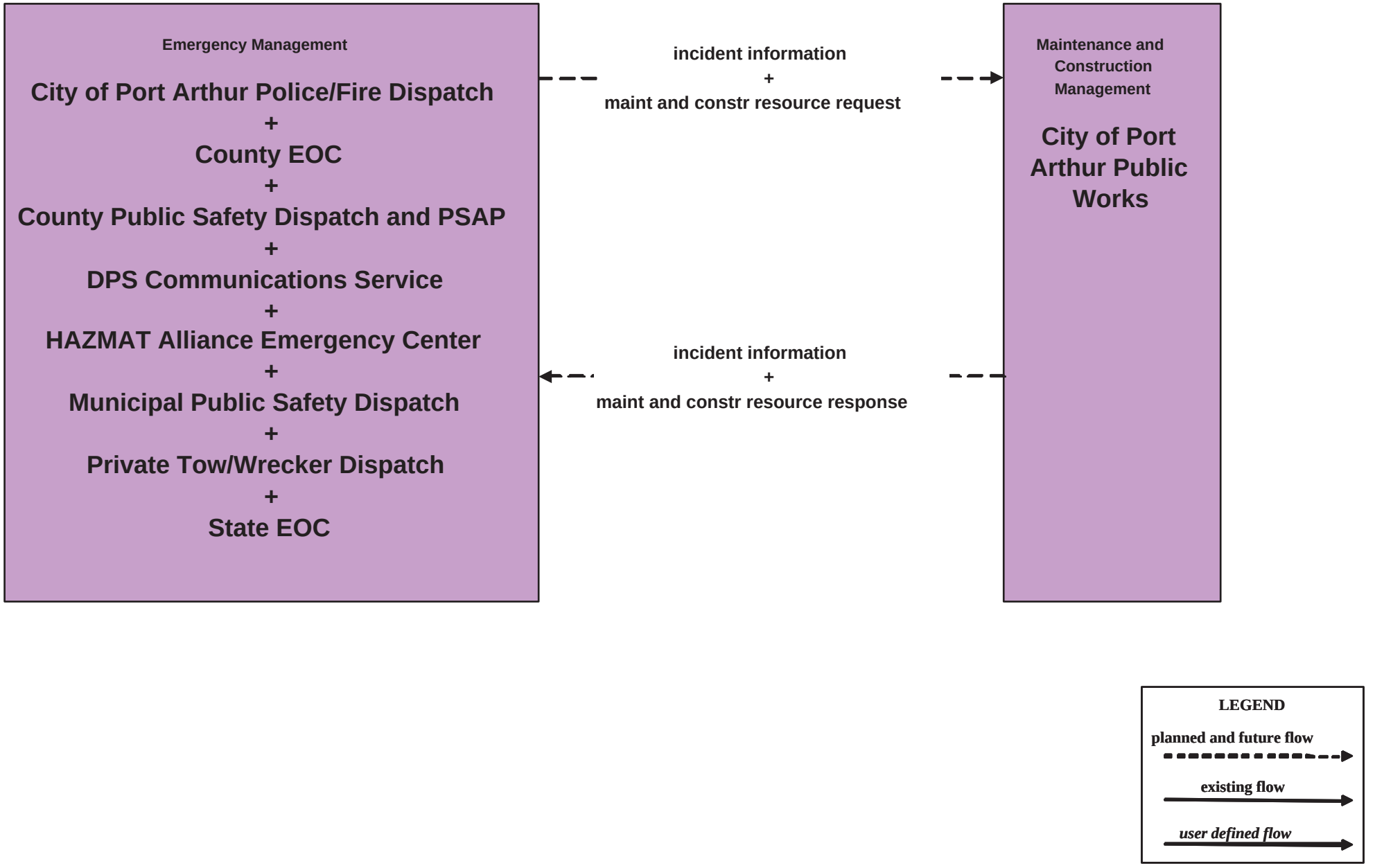




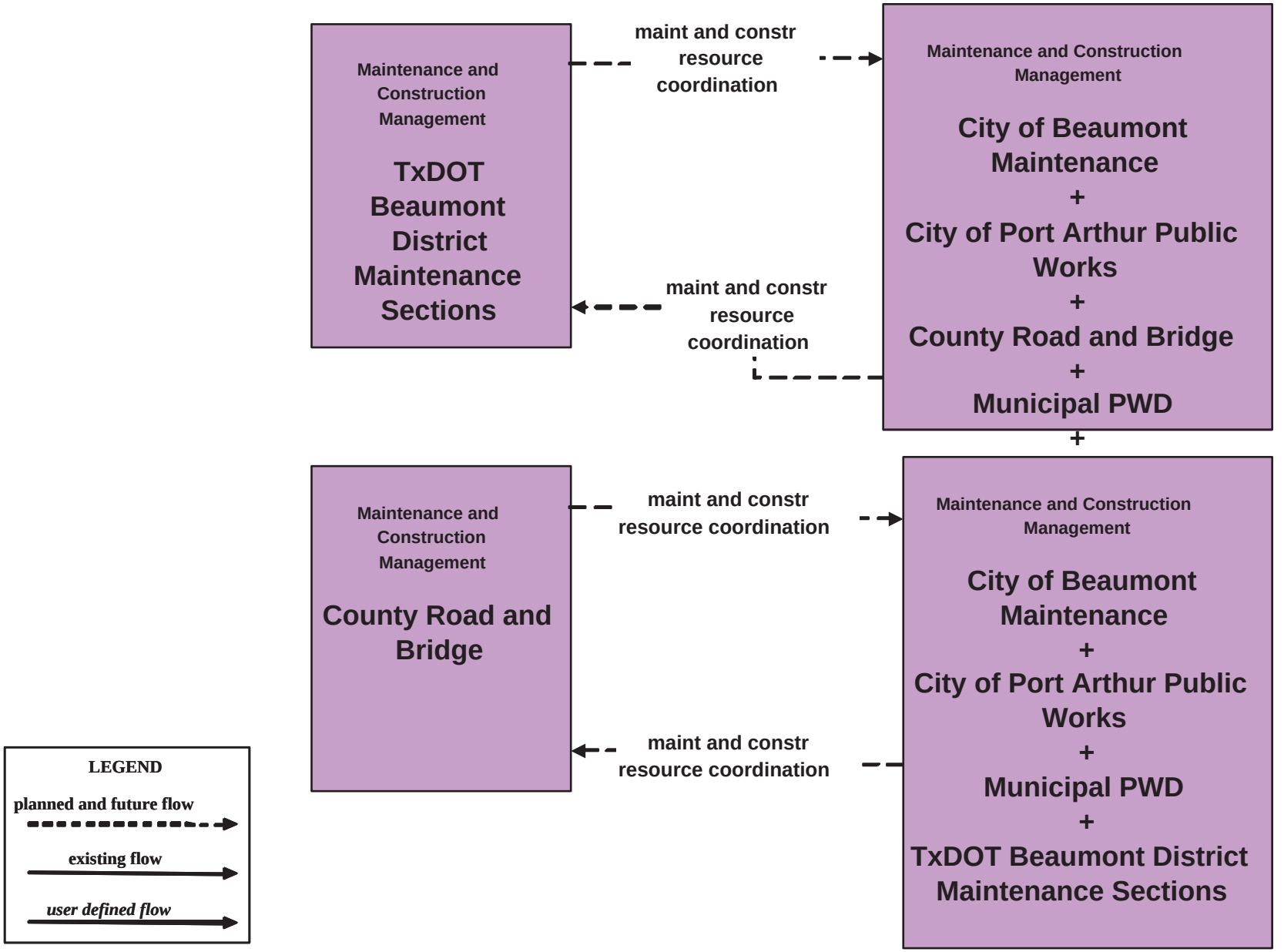
ATMS 08 - Incident Management
TxDOT Beaumont District Maintenance Sections (MCM to EM)



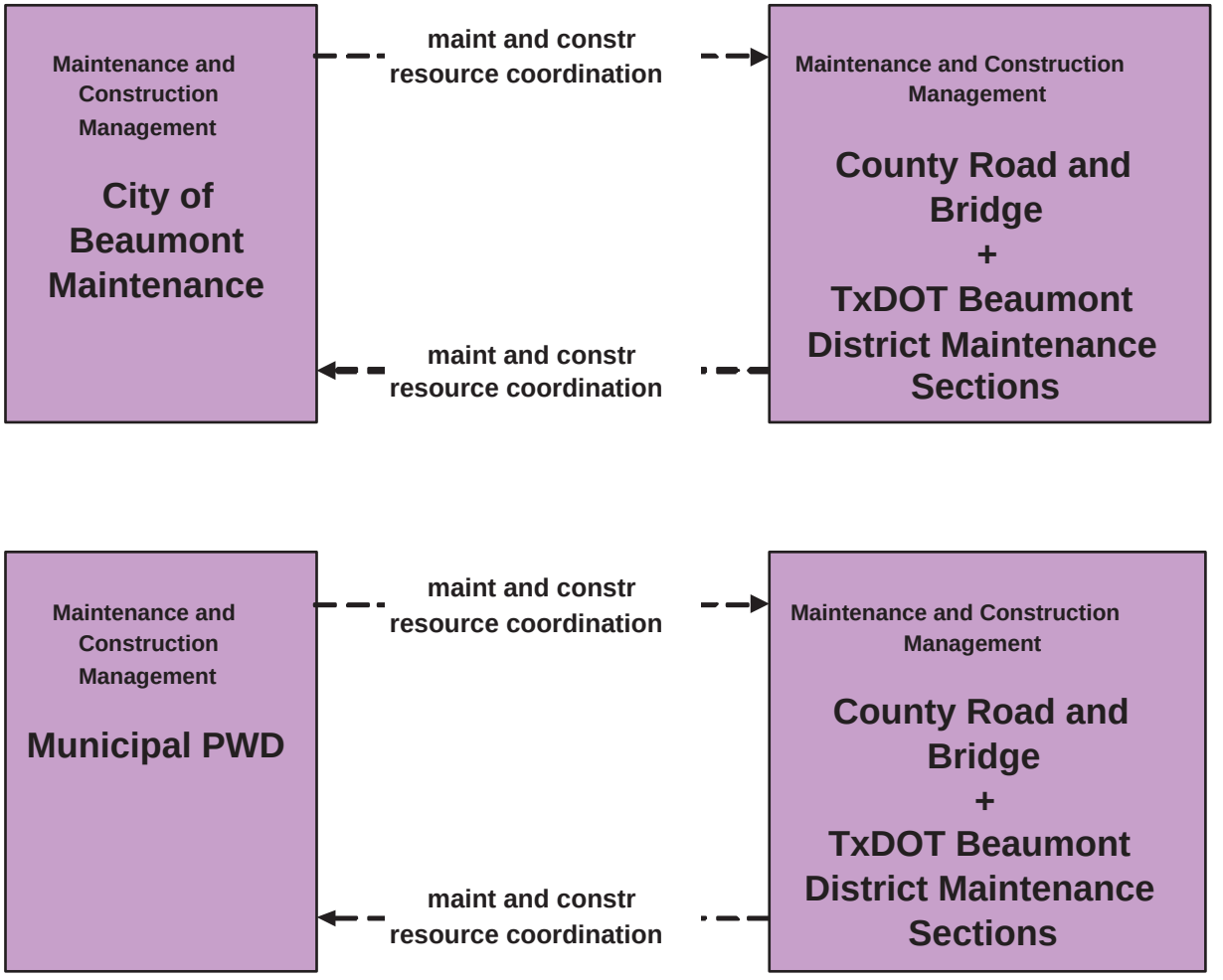
ATMS 08 - Incident Management
City of Port Arthur Maintenance (MCM to EM)



ATMS 08 - Incident Management
TxDOT/ County Road and Bridge (MCM to Other MCM)



ATMS 08 - Incident Management
City of Beaumont / Municipal Maintenance (MCM to Other MCM)



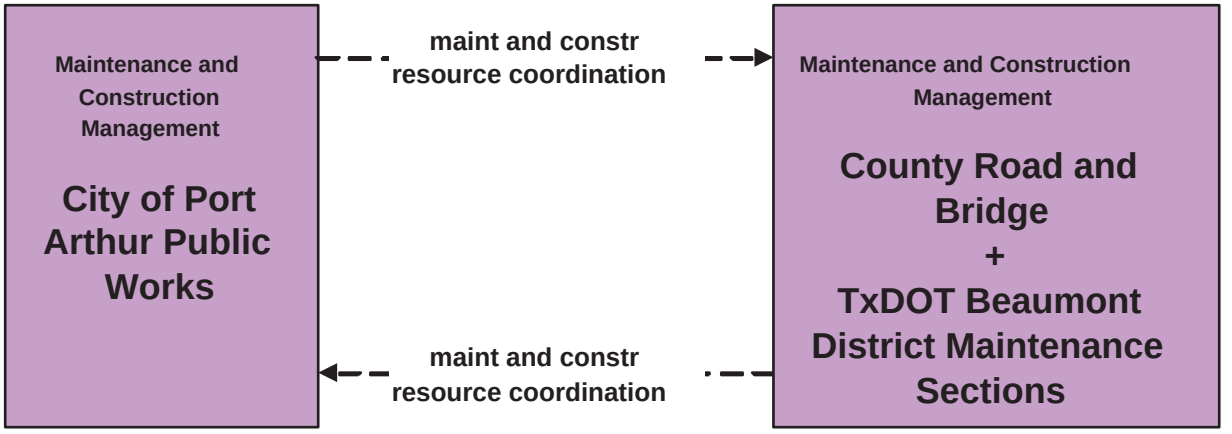
LEGEND

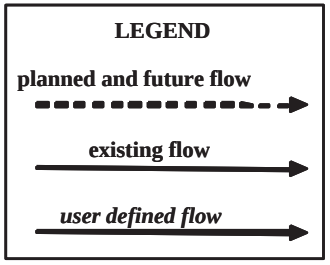
planned and future flow

existing flow

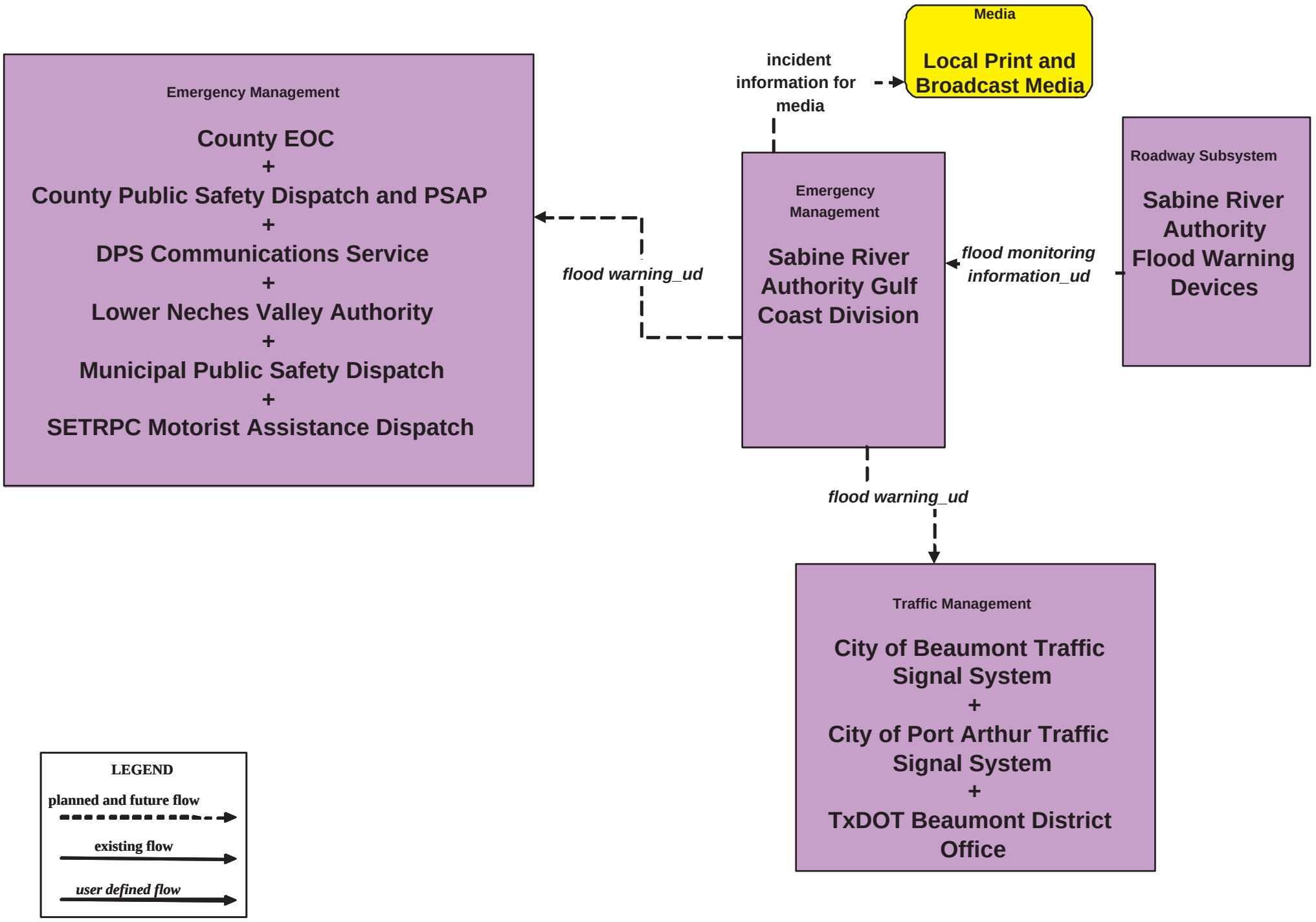
user defined flow

ATMS 08 - Incident Management
City of Beaumont / Municipal Maintenance (MCM to Other MCM)

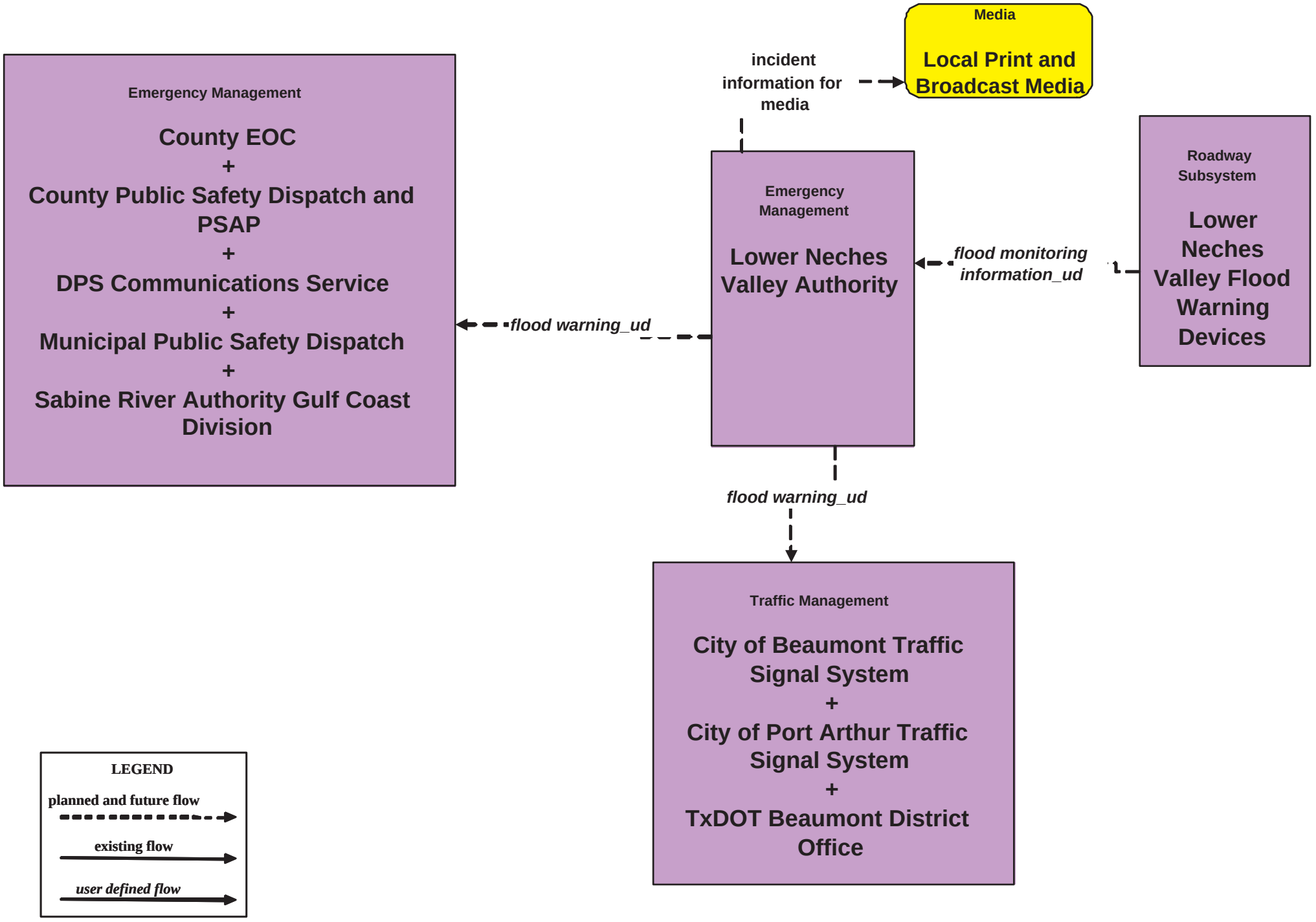




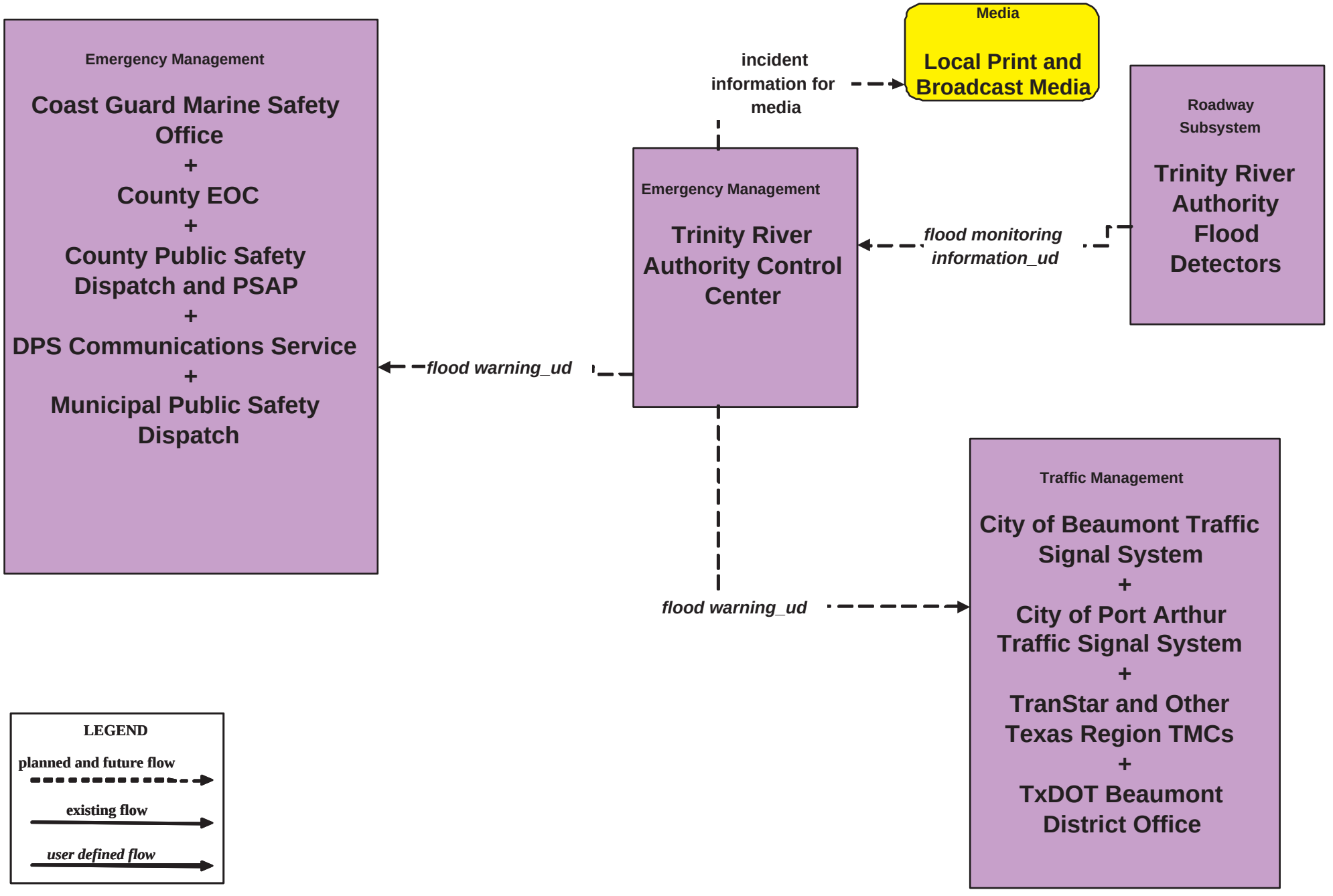
ATMS 08 - Incident Management
Flood Monitoring-Sabine River Authority

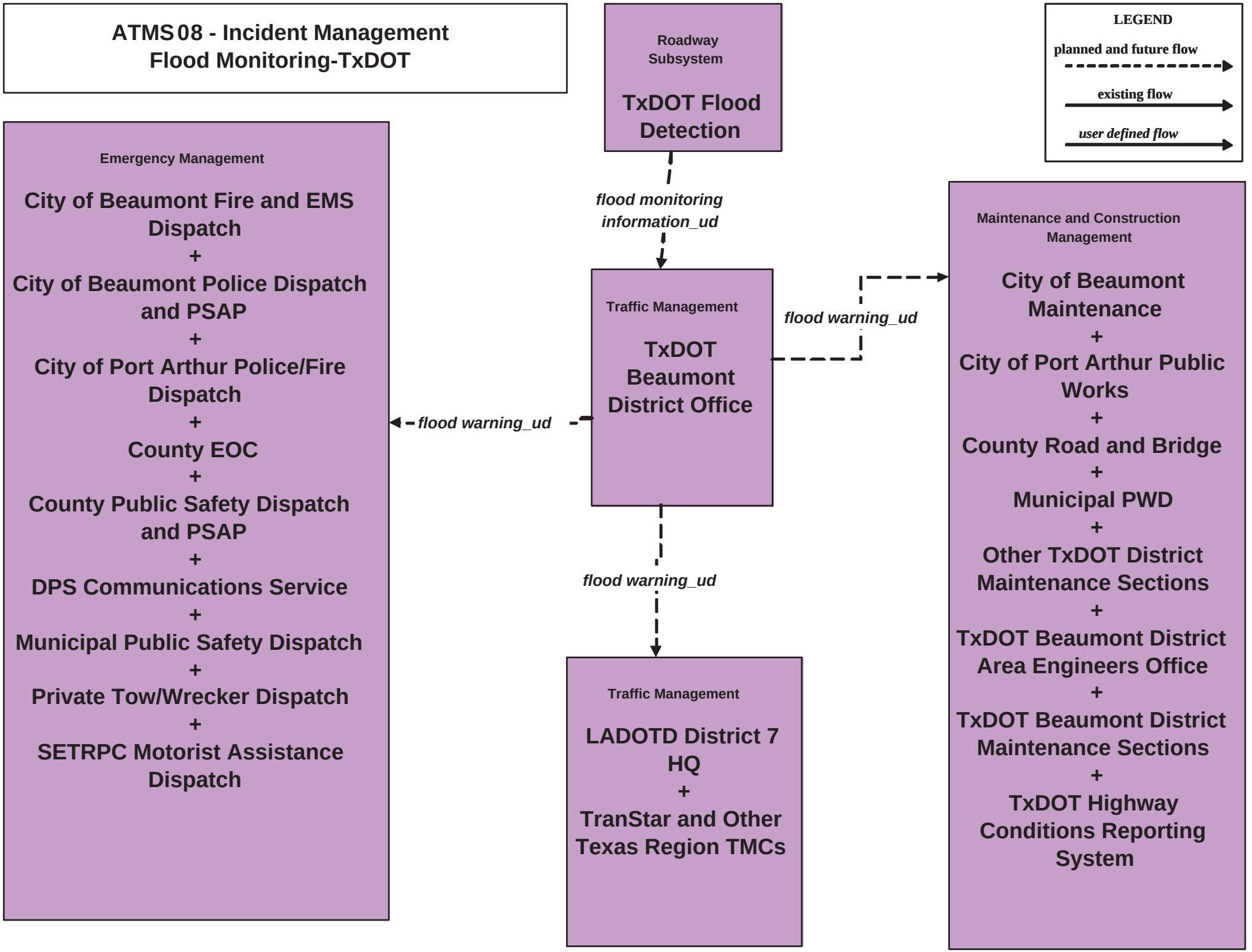


ATMS 08 - Incident Management
Flood Monitoring-Lower Neches Valley

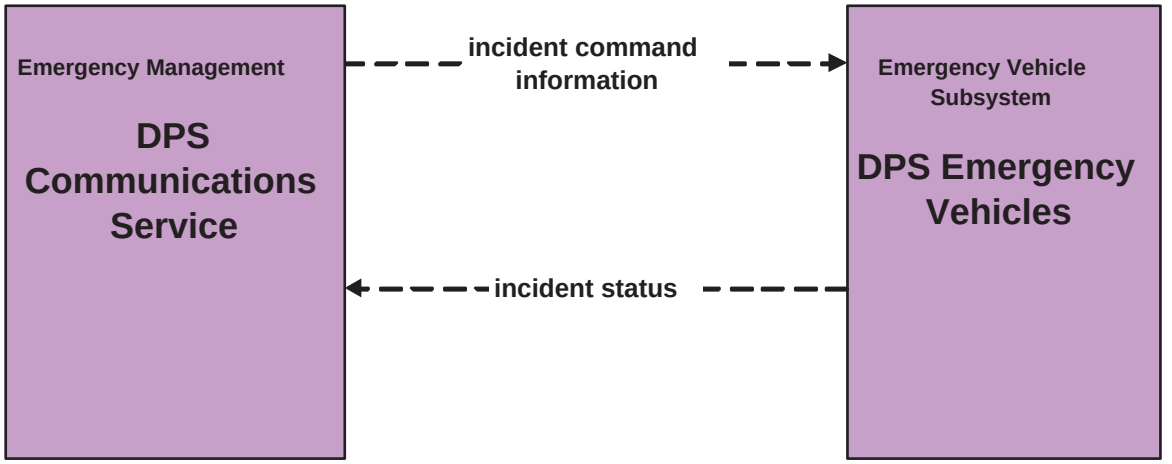


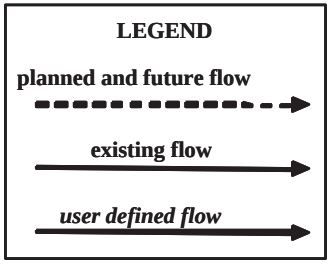
ATMS 08 - Incident Management
Flood Monitoring-Trinity River Authority



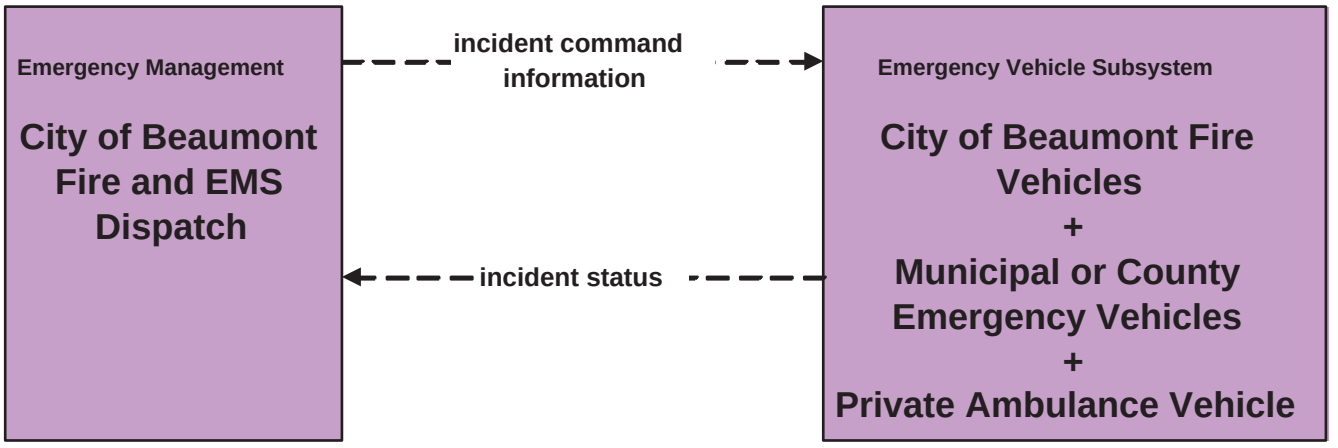

ATMS 08 - Incident Management
Flood Monitoring-TxDOT
Roadway Subsystem
TxDOT Flood Detection
LEGEND
planned and future flow
existing flow
user defined flow
Emergency Management
City of Beaumont Fire and EMS Dispatch
+
City of Beaumont Police Dispatch and PSAP
+
City of Port Arthur Police/Fire Dispatch
+
County EOC
+
County Public Safety Dispatch and PSAP
+
DPS Communications Service
+
Municipal Public Safety Dispatch
+
Private Tow/Wrecker Dispatch
+
SETRPC Motorist Assistance Dispatch
flood monitoring information_ud
Traffic Management
TxDOT Beaumont District Office
flood warning_ud
flood warning_ud
flood warning_ud
Traffic Management
LADOTD District 7 HQ
+
TranStar and Other Texas Region TMCs
Maintenance and Construction Management
City of Beaumont Maintenance
+
City of Port Arthur Public Works
+
County Road and Bridge
+
Municipal PWD
+
Other TxDOT District Maintenance Sections
+
TxDOT Beaumont District Area Engineers Office
+
TxDOT Beaumont District Maintenance Sections
+
TxDOT Highway Conditions Reporting System

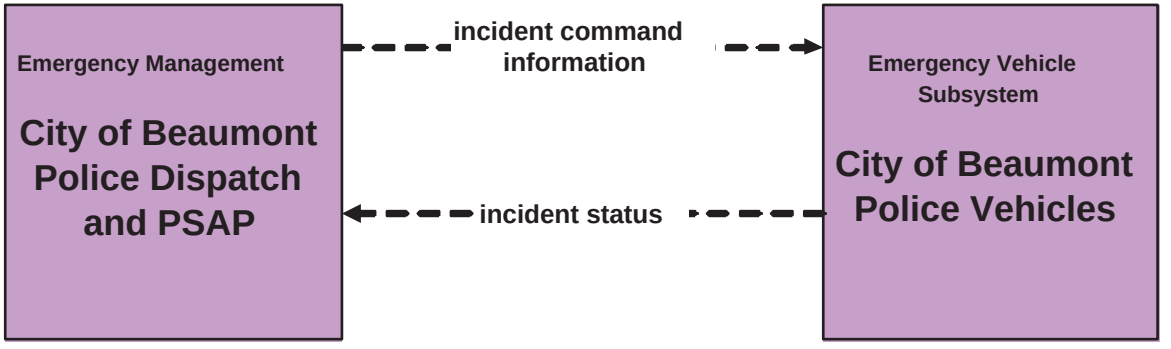
ATMS 08 - Incident Management
(EM to EVS)

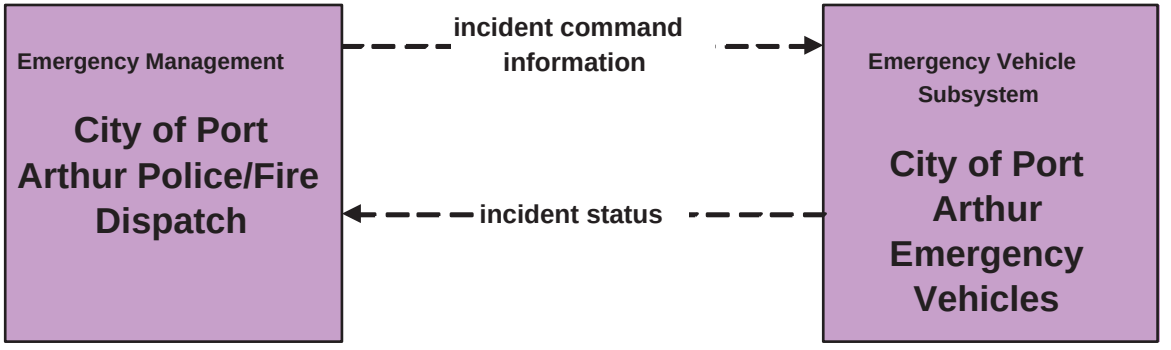


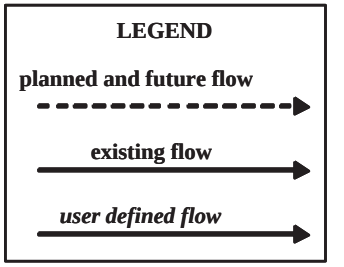


ATMS 08 - Incident Management (EM to EVS)



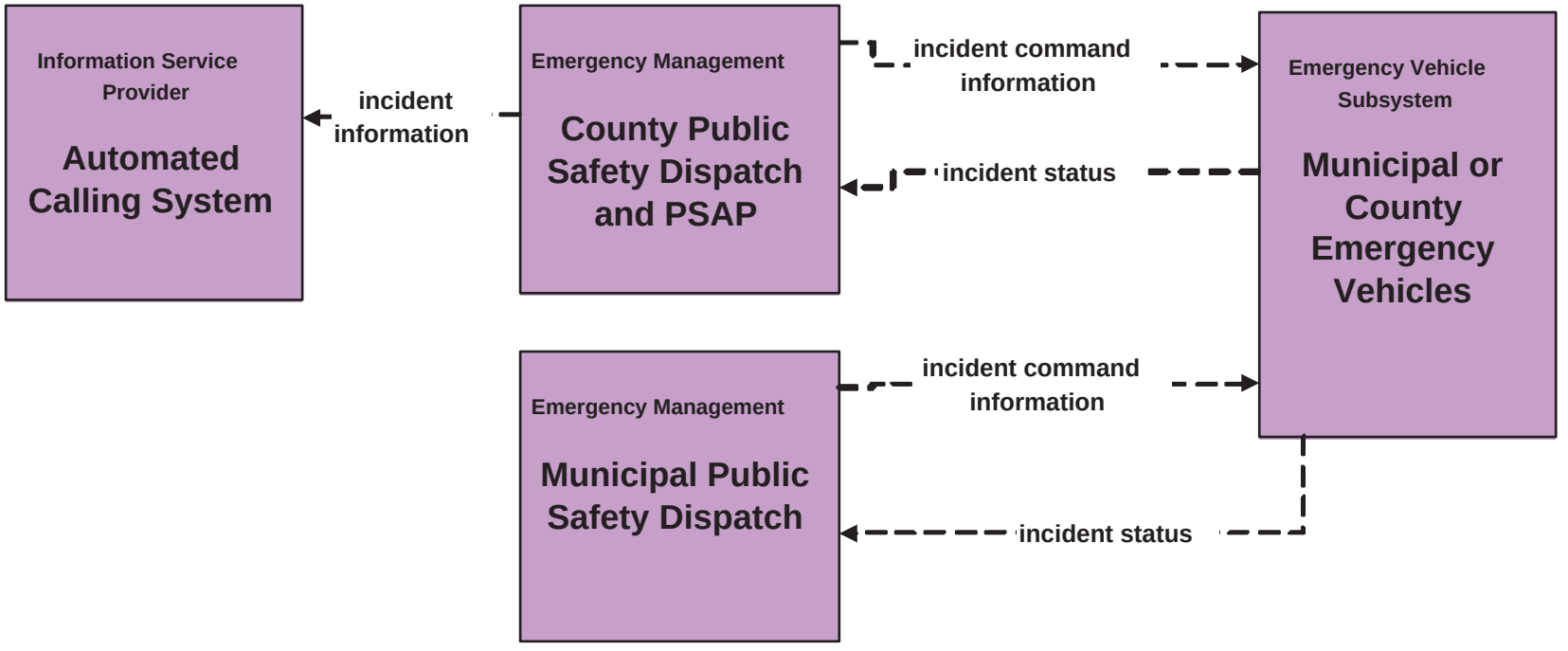






ATMS 08 - Incident Management
EM to EVS plus Automated Calling System

Automated Calling system driven by Orange County Sheriff



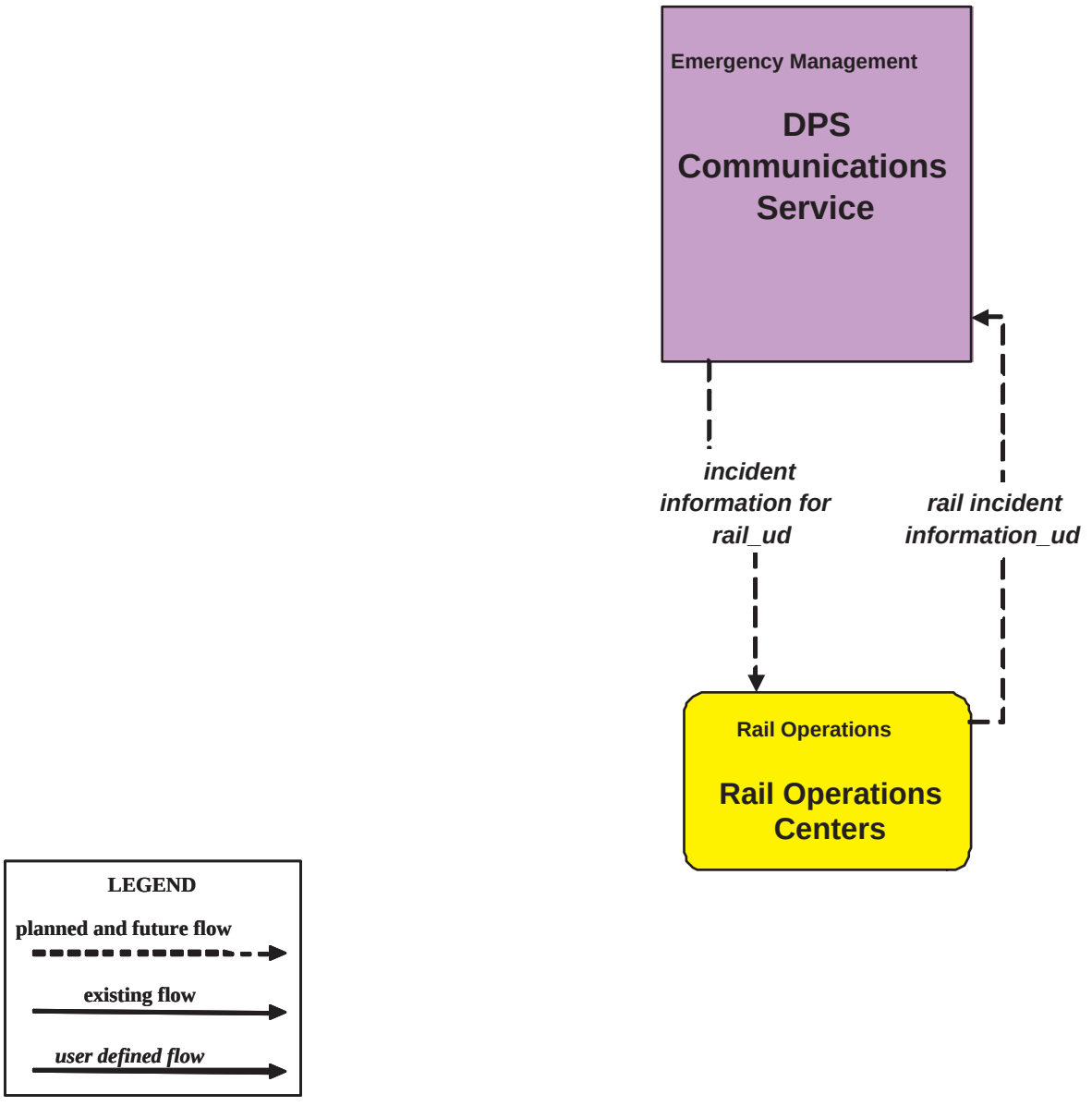
LEGEND

planned and future flow

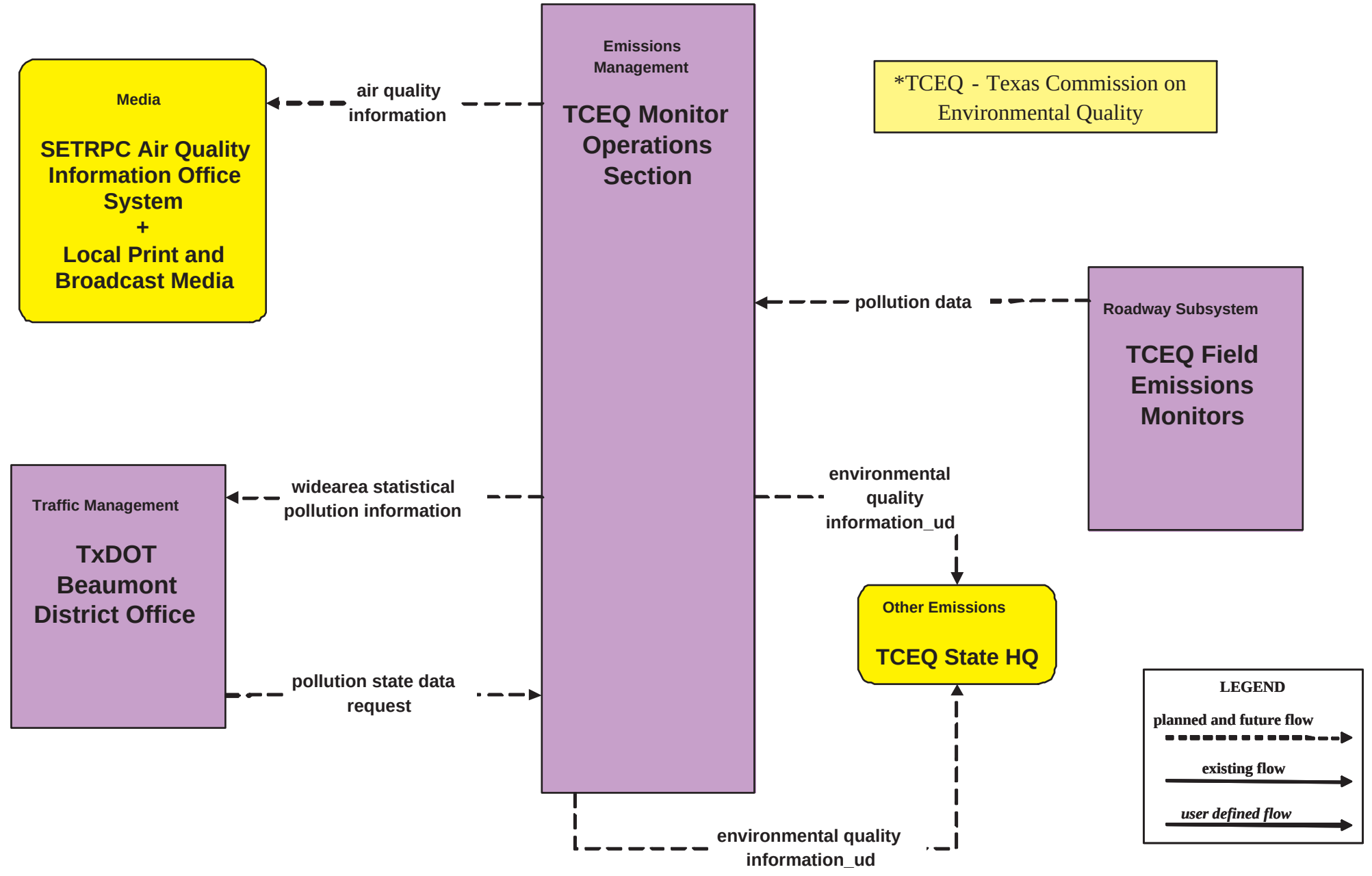
existing flow

user defined flow

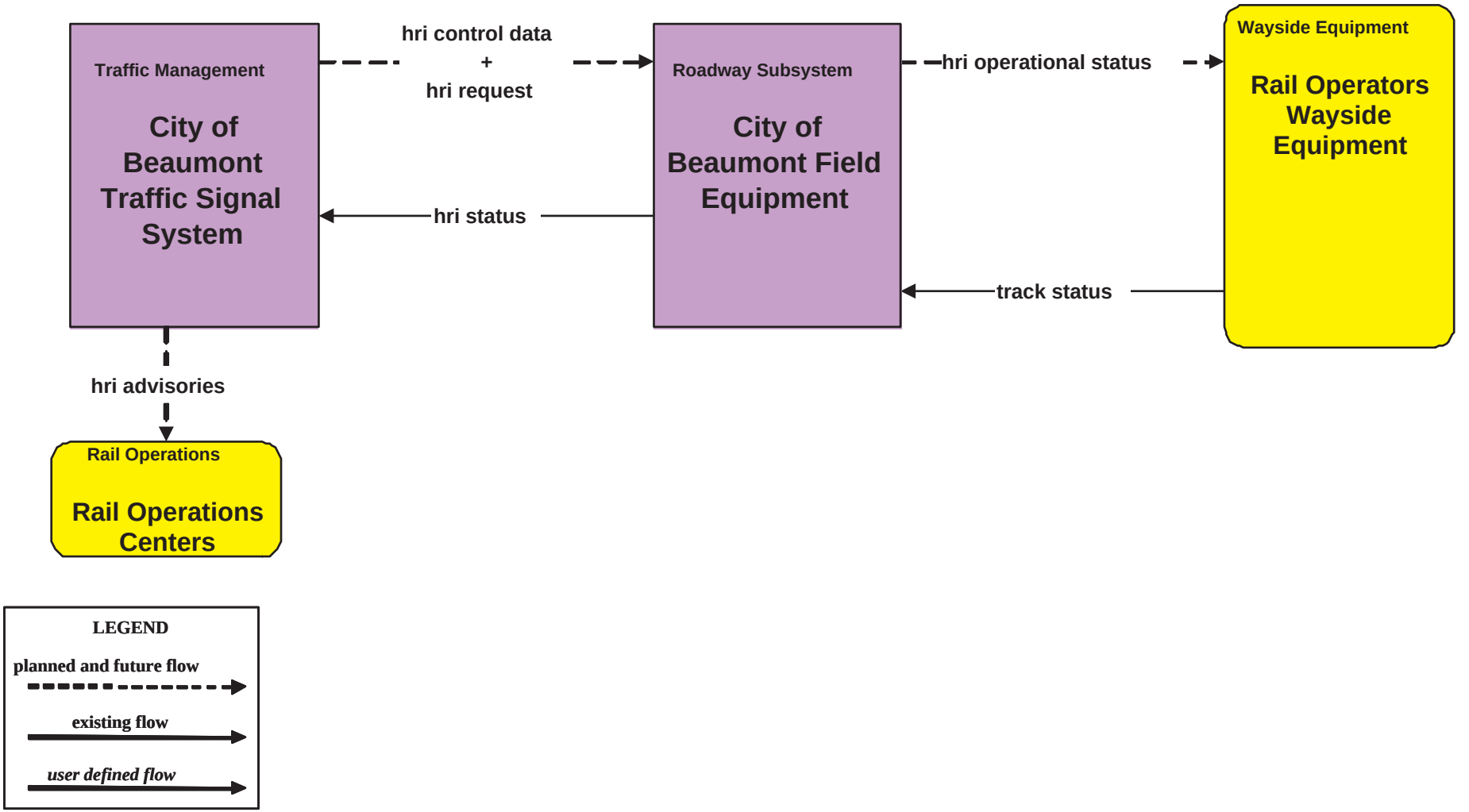
ATMS 08 - Incident Management
Rail Operations Coordination



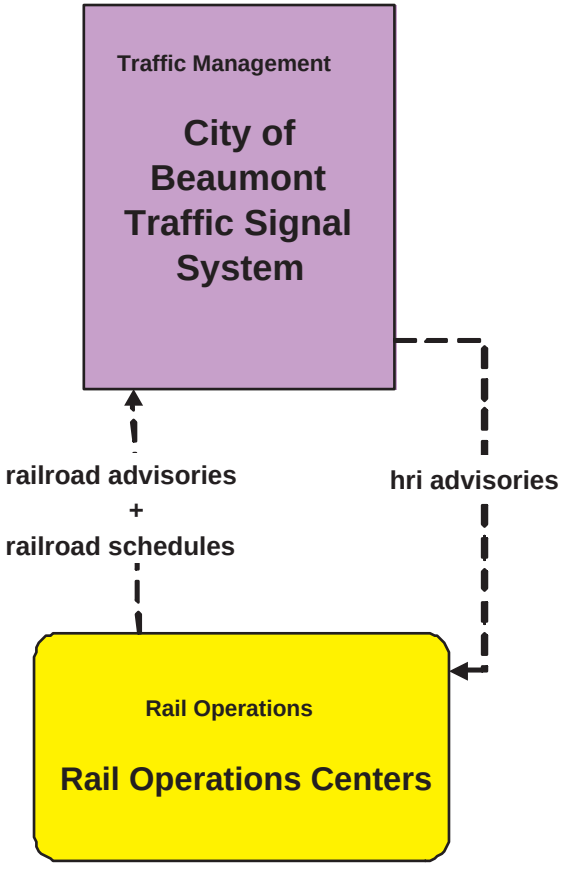
ATMS11 - Emissions Monitoring and Management
TCEQ

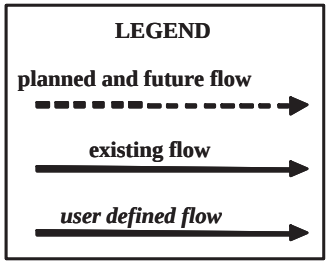


ATMS 13 - Standard Railroad Crossing
City of Beaumont Traffic Signal System

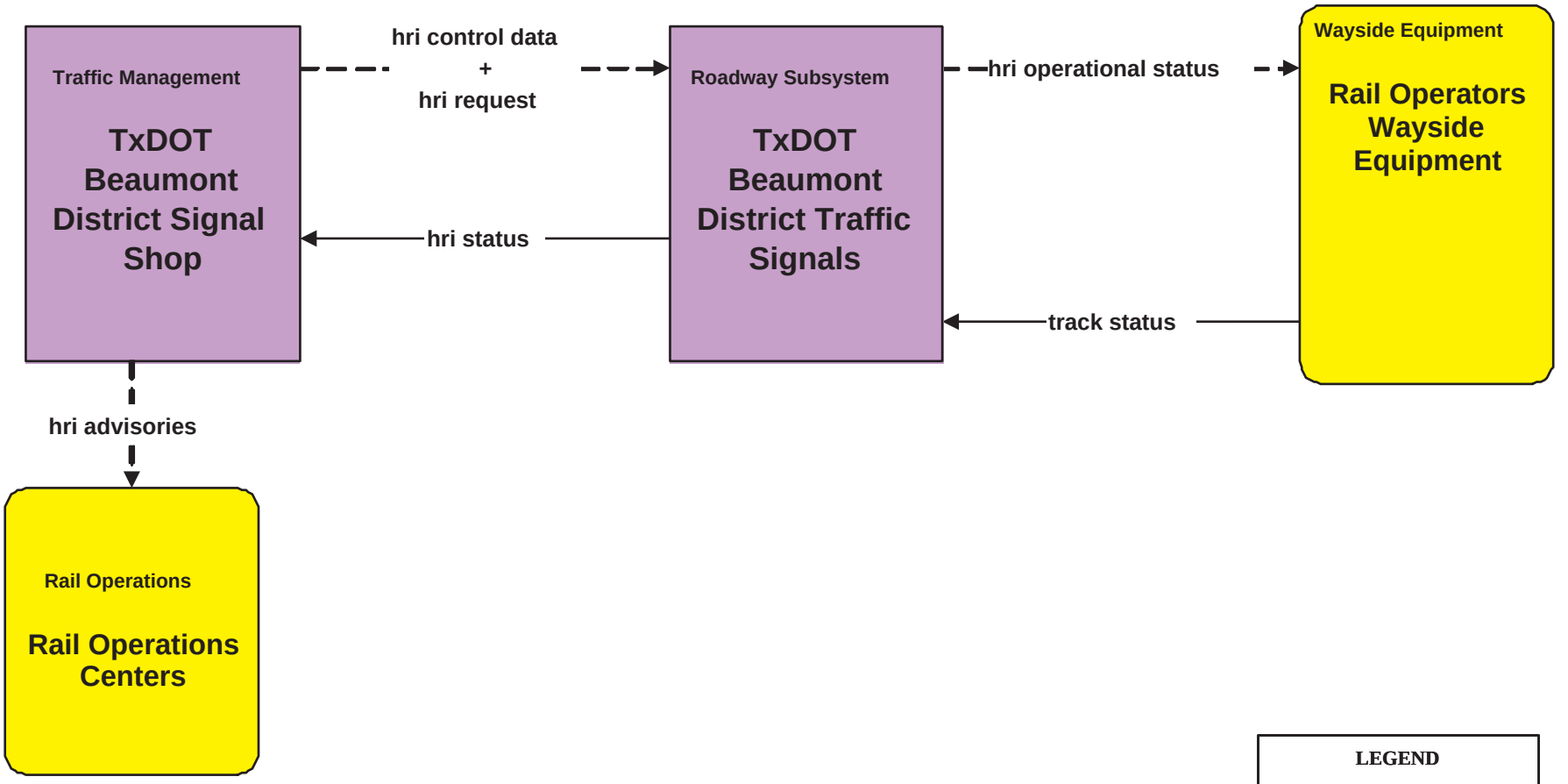


ATMS 15 - Railroad Operations Coordination
City of Beaumont Traffic Signal System

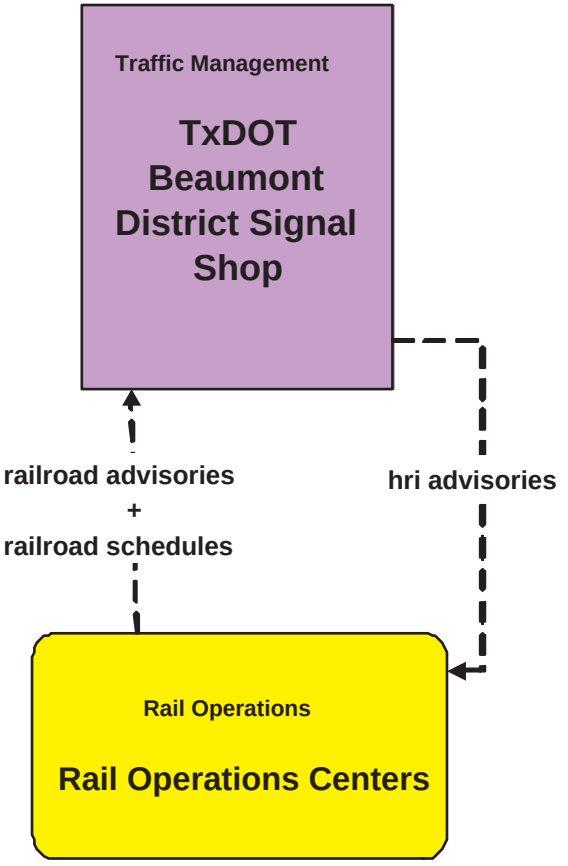


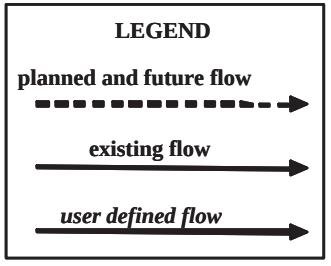


ATMS 13 - Standard Railroad Crossing
TxDOT Beaumont District Office

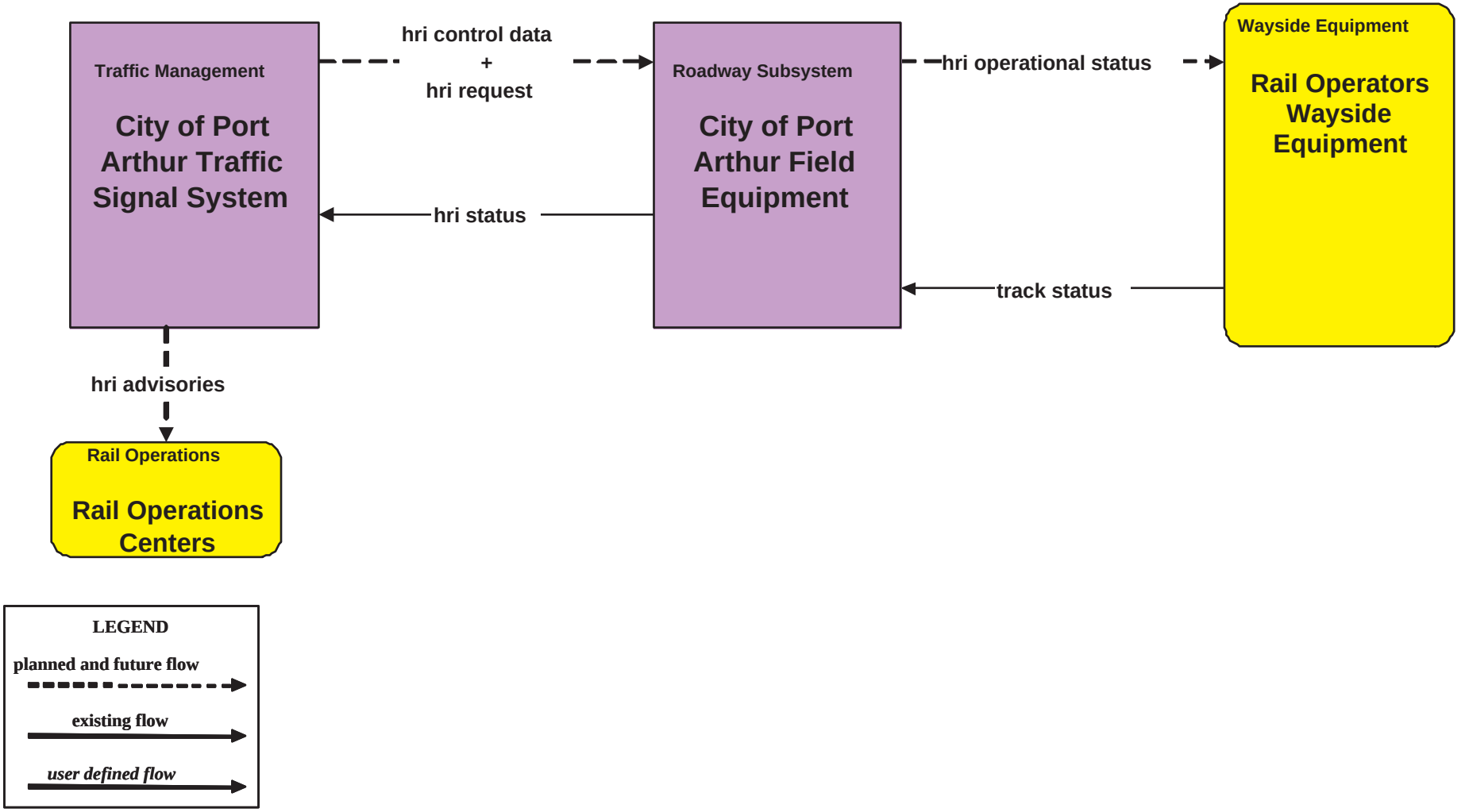
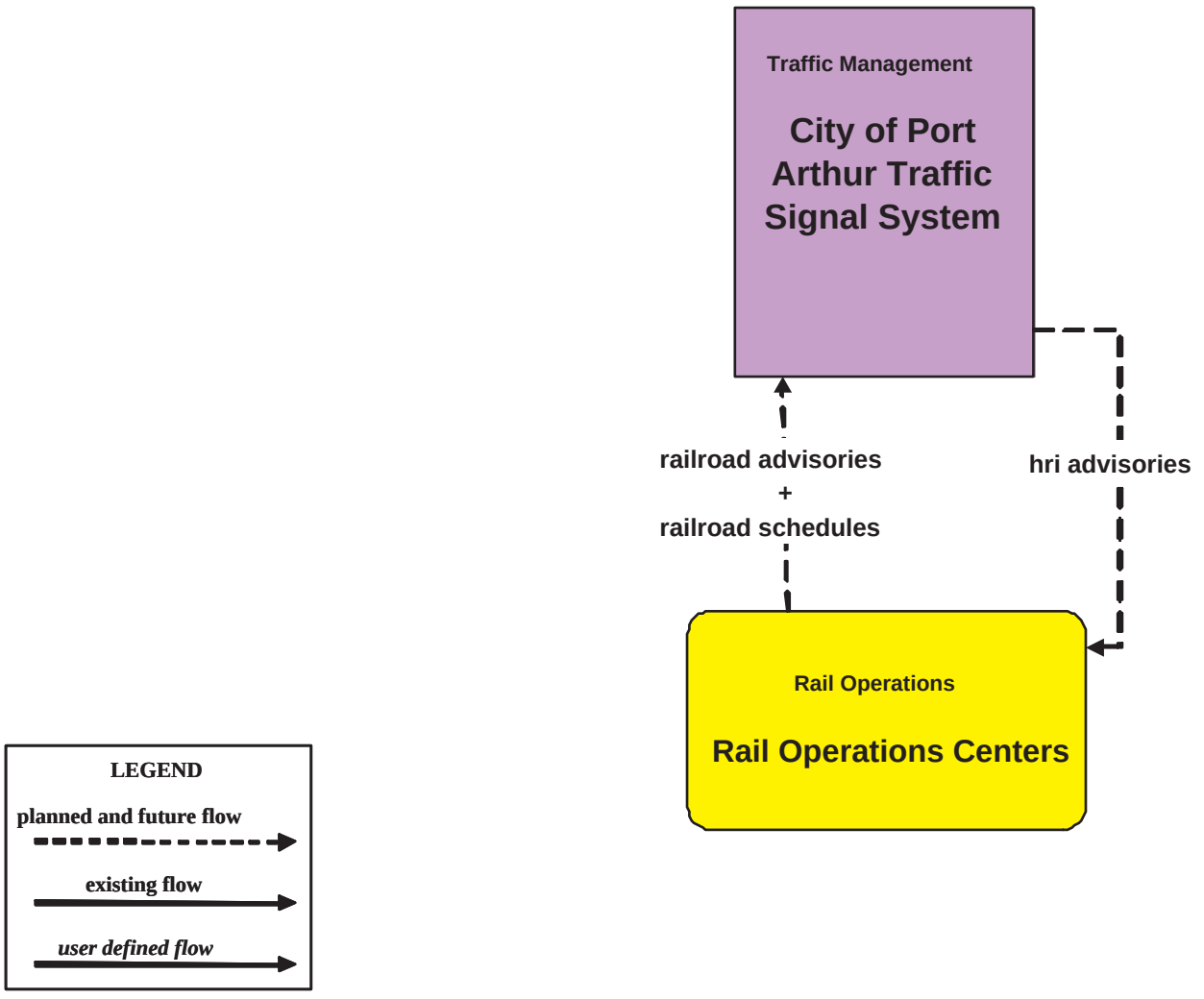


ATMS 15 - Railroad Operations Coordination
TxDOT Beaumont District Office





ATMS 13 - Standard Railroad Crossing
City of Port Arthur Traffic Signal System



ATMS 15 - Railroad Operations Coordination
City of Port Arthur Traffic Signal System