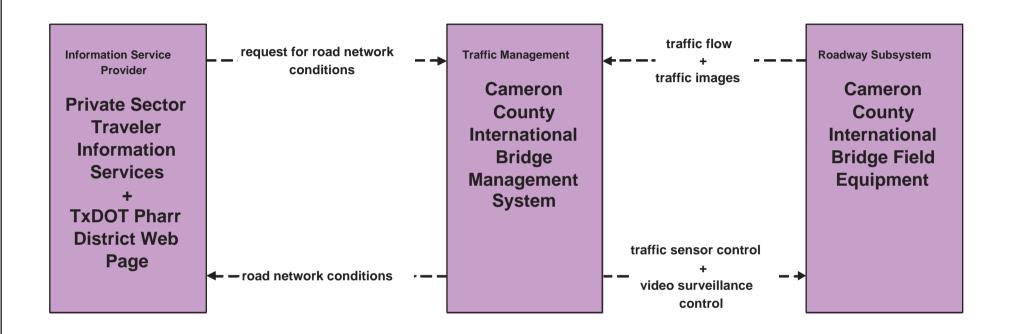
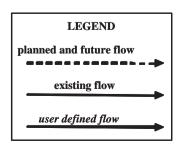
Lower RGV Regional ITS Architecture

Customized Market Package Diagrams

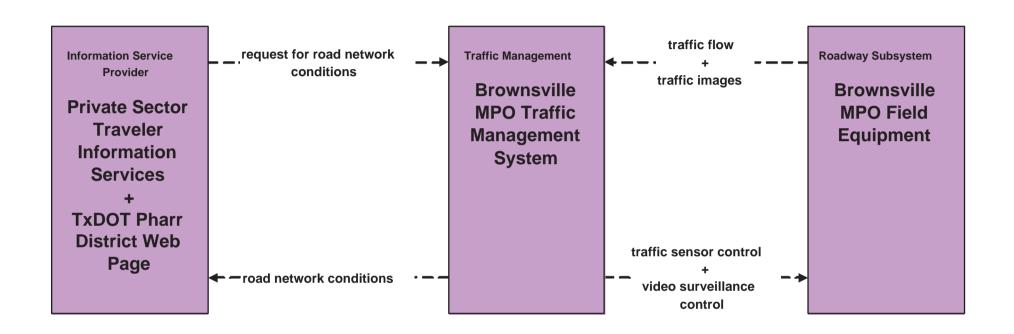
Advanced Traffic Management Systems (ATMS)

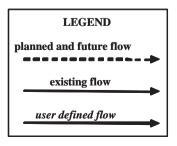
ATMS01 - Network Surveillance Cameron County International Bridge Management System



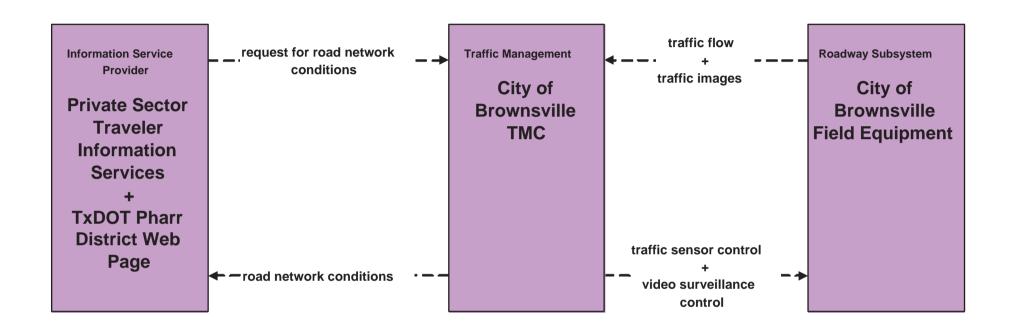


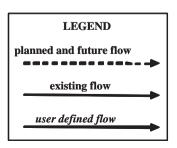
ATMS01 - Network Surveillance Brownsville MPO Traffic Management System



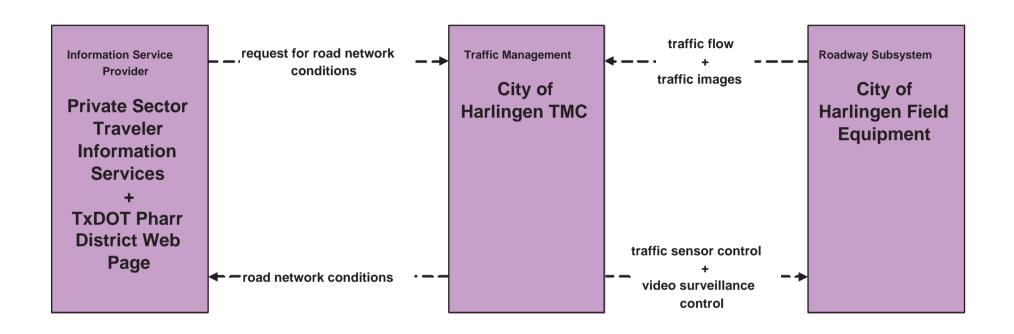


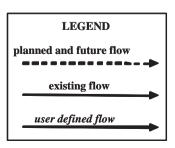
ATMS01 - Network Surveillance City of Brownsville TMC



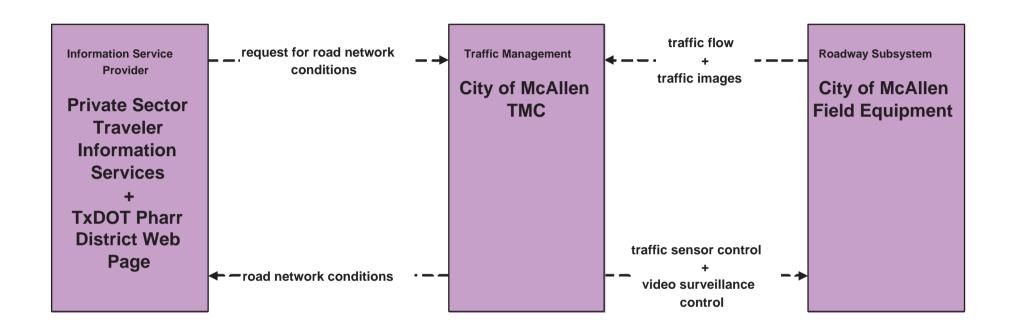


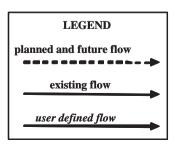
ATMS01 - Network Surveillance City of Harlingen TMC



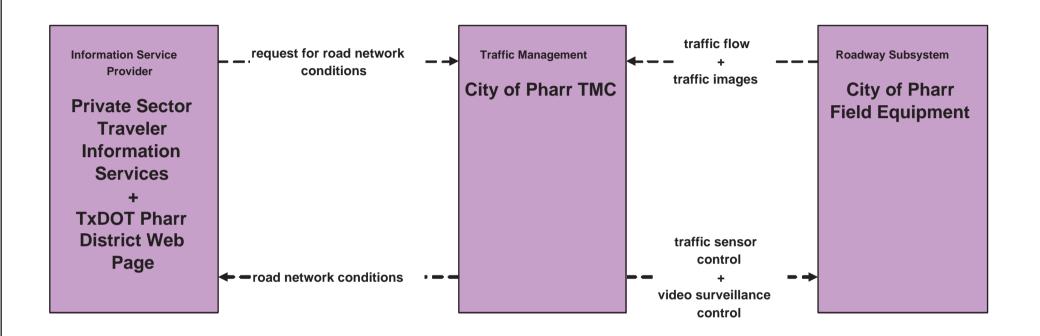


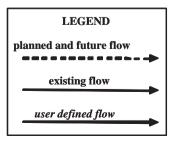
ATMS01 - Network Surveillance City of McAllen TMC



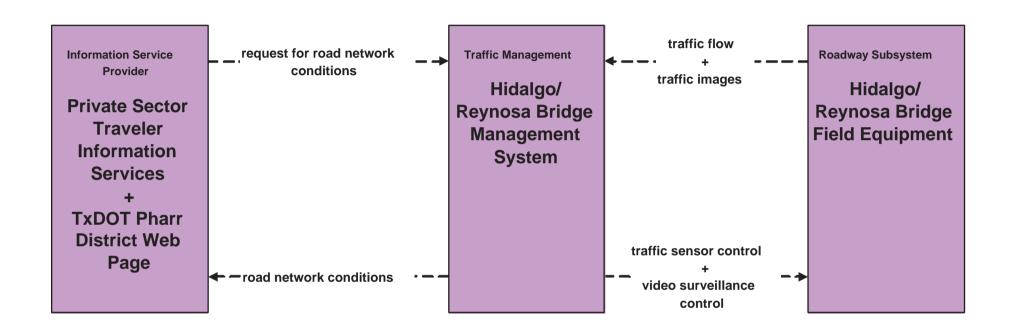


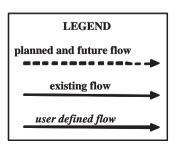
ATMS01 - Network Surveillance City of Pharr TMC



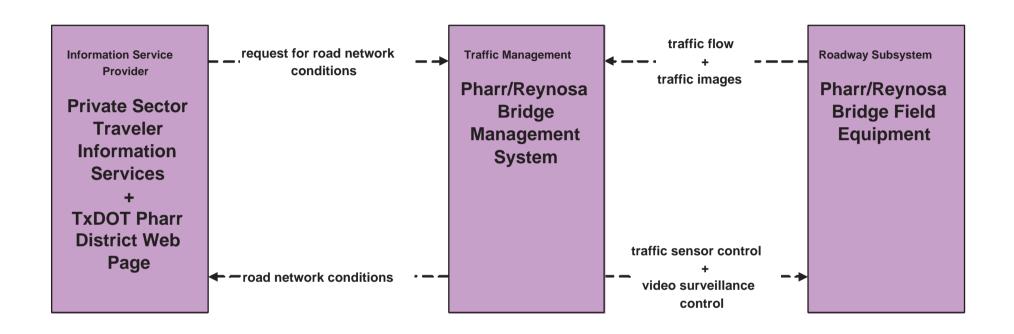


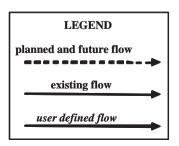
ATMS01 - Network Surveillance Hidalgo/Reynosa Bridge Management System



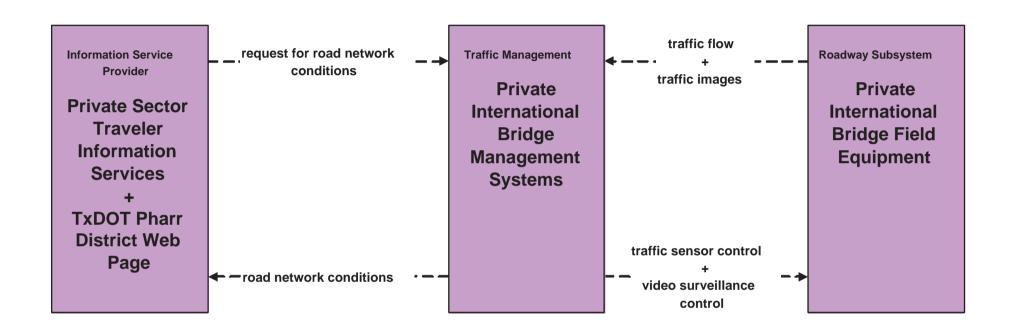


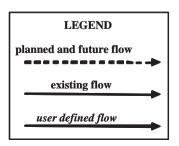
ATMS01 - Network Surveillance Pharr/Reynosa Bridge Management System



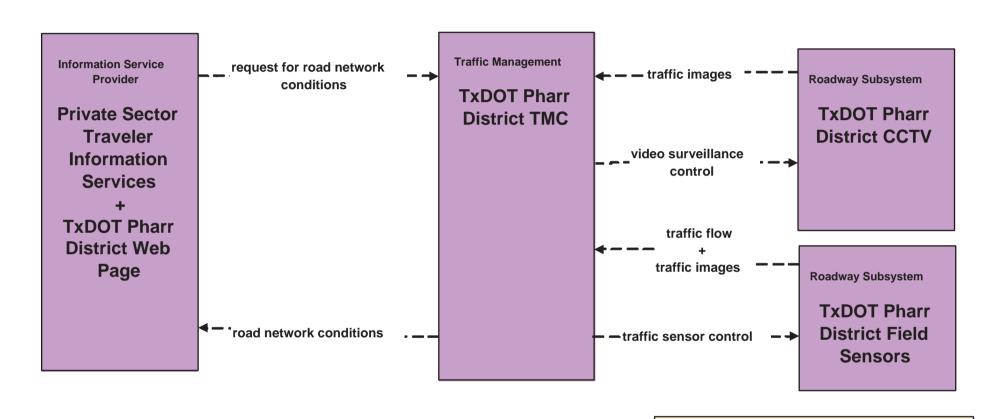


ATMS01 - Network Surveillance Private International Bridge Management Systems

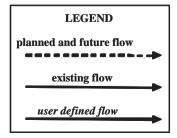




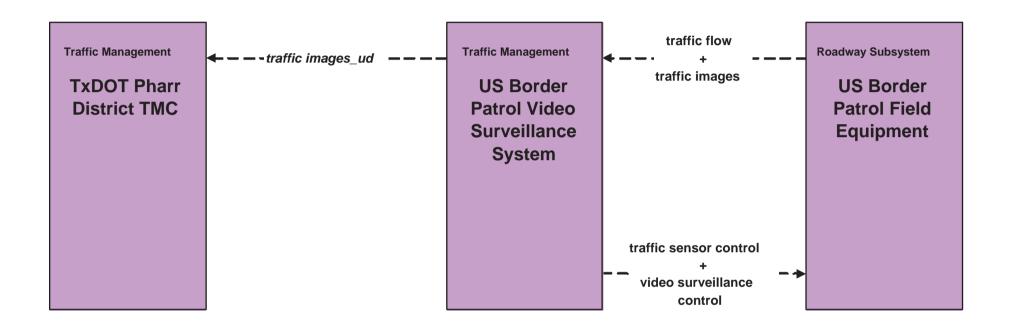
ATMS01 - Network Surveillance TxDOT Pharr District TMC

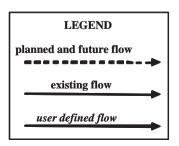


Field Sensors includes VIVDS which can provide video.

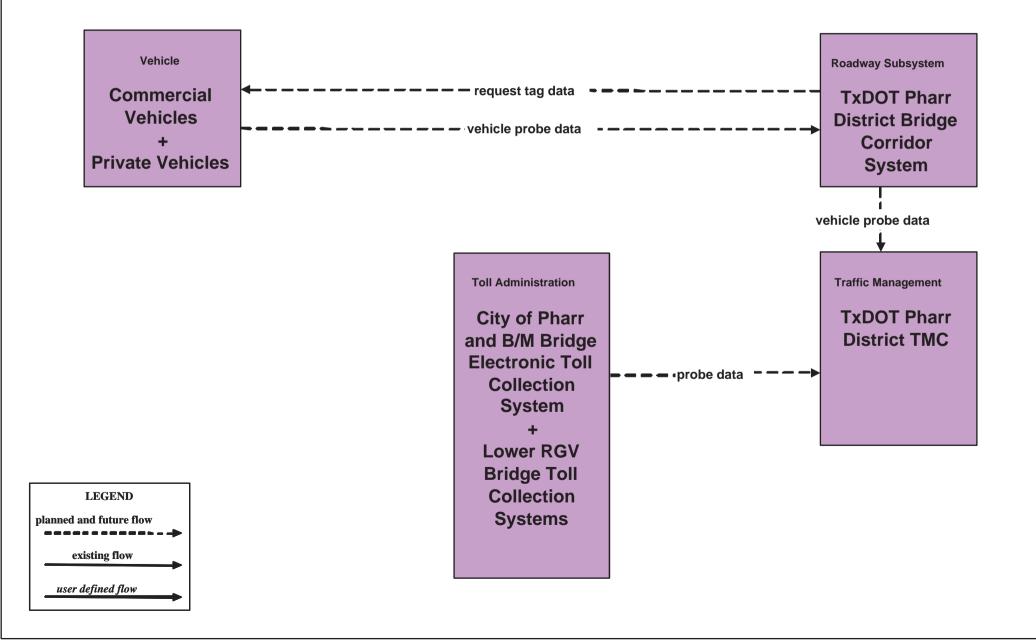


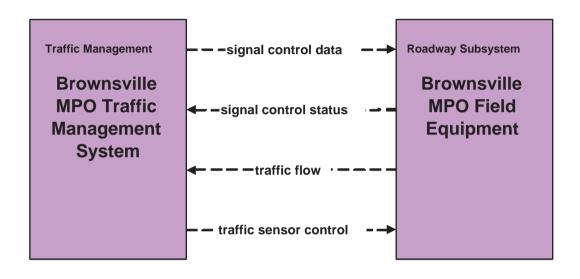
ATMS01 - Network Surveillance US Border Patrol Video Surveillance System

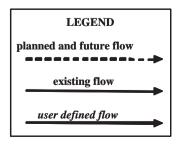


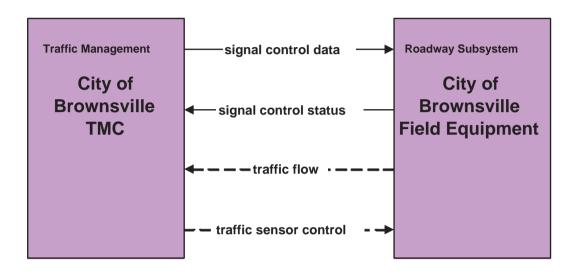


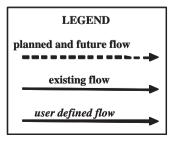
ATMS 02 - Probe Surveillance

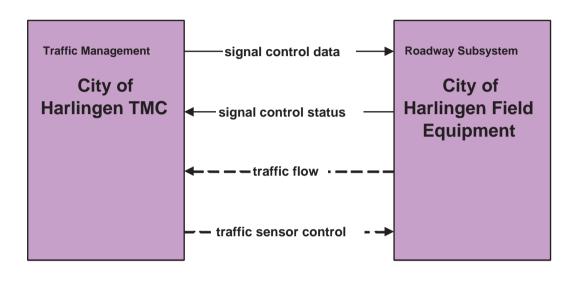


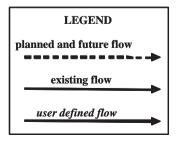


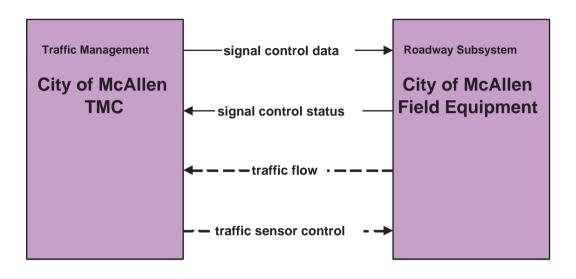


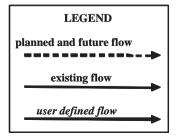


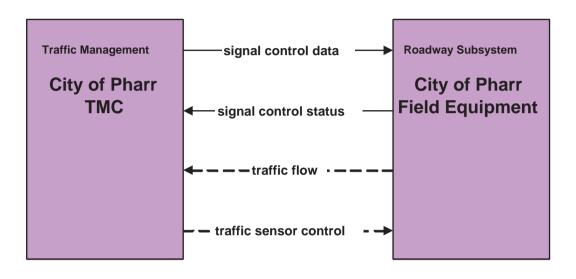


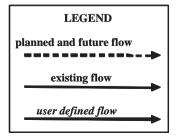


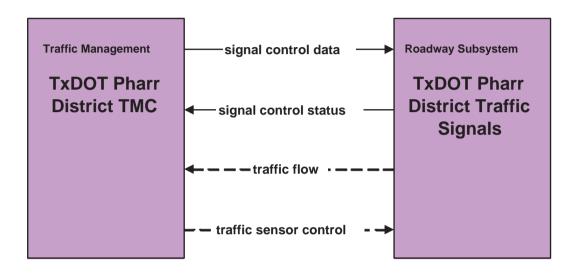


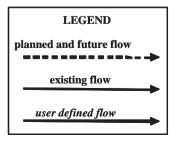




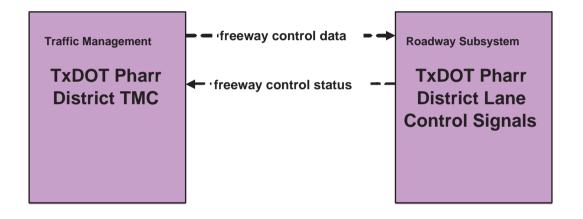


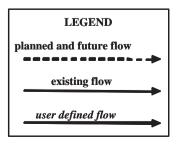




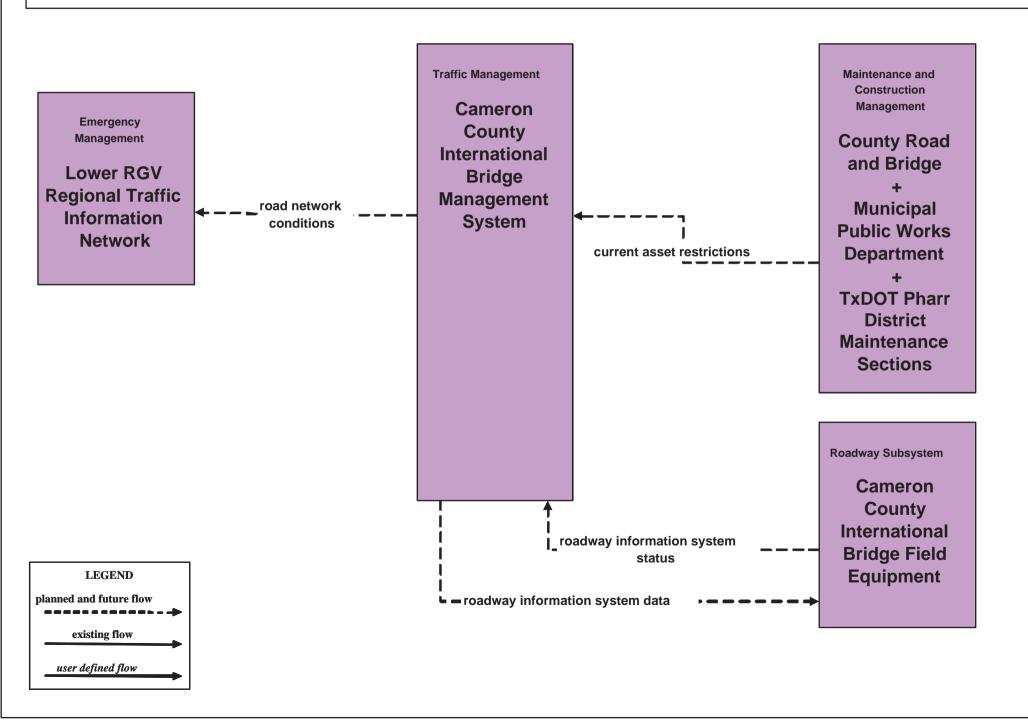


ATMS 04 - Freeway Control

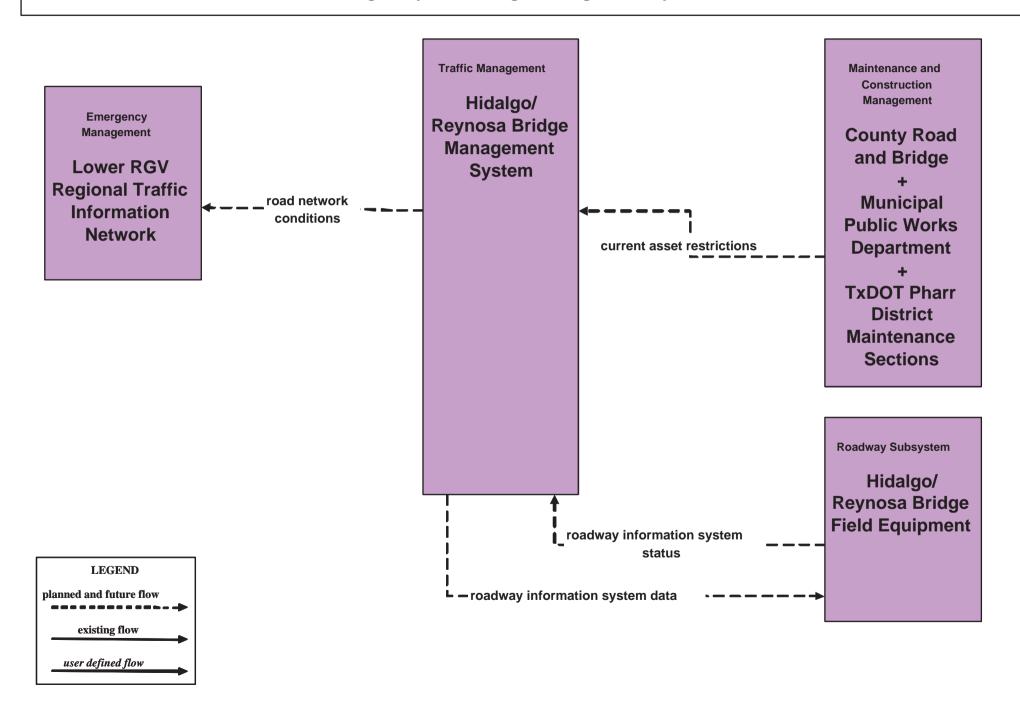




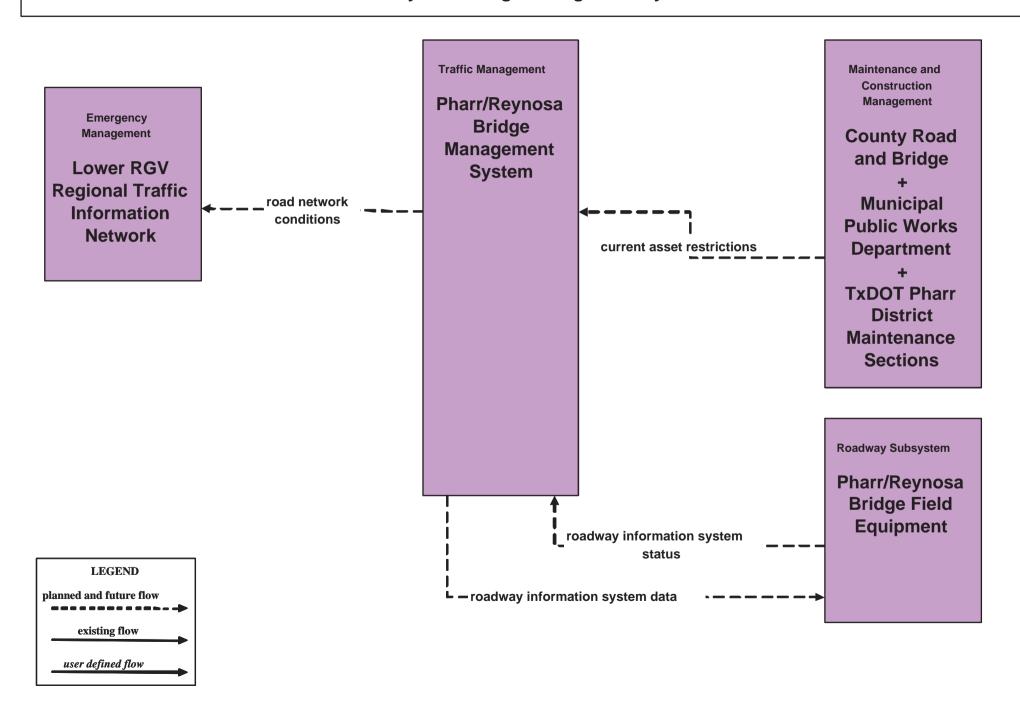
ATMS06 - Traffic Information Dissemination Cameron County International Bridge Management System



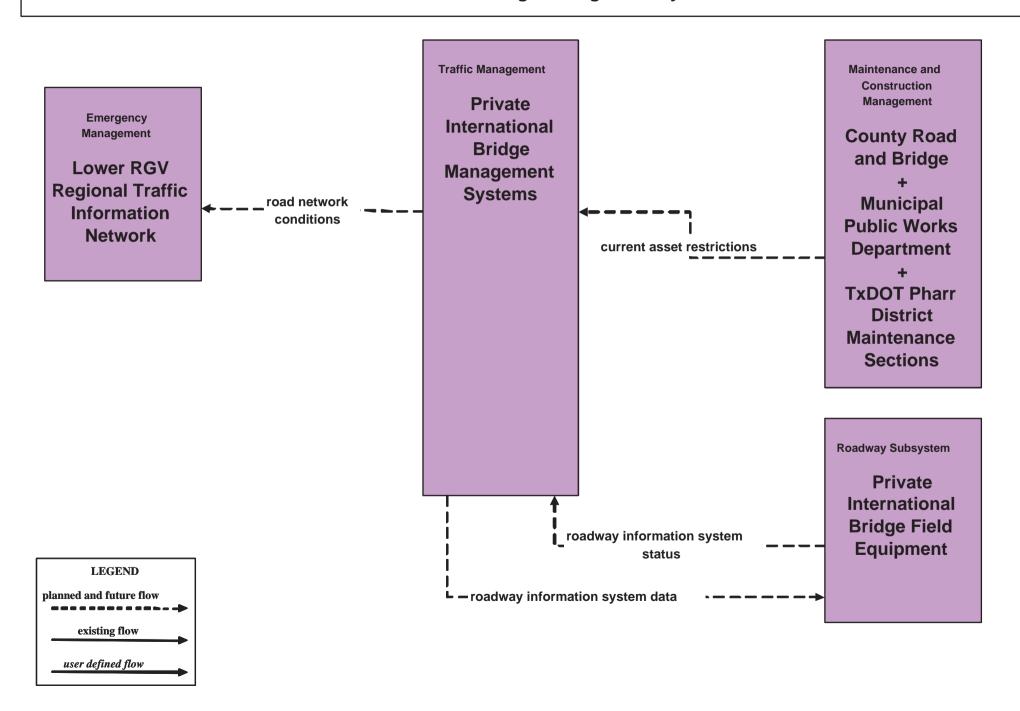
ATMS06 - Traffic Information Dissemination Hidalgo/Reynosa Bridge Management System



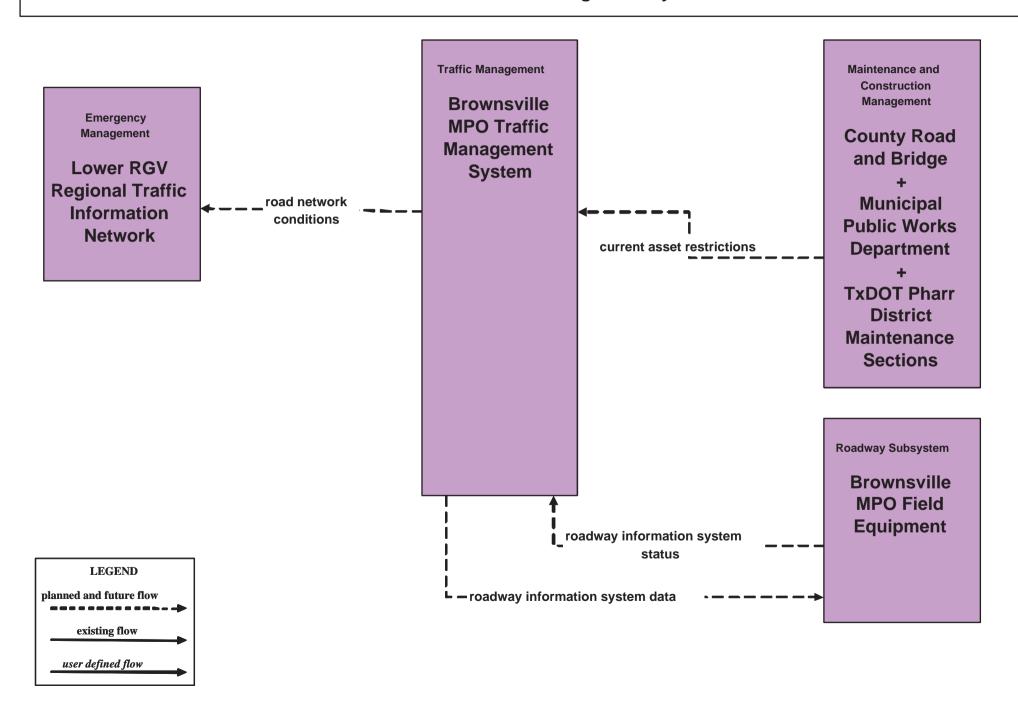
ATMS06 - Traffic Information Dissemination Pharr/Reynosa Bridge Management System



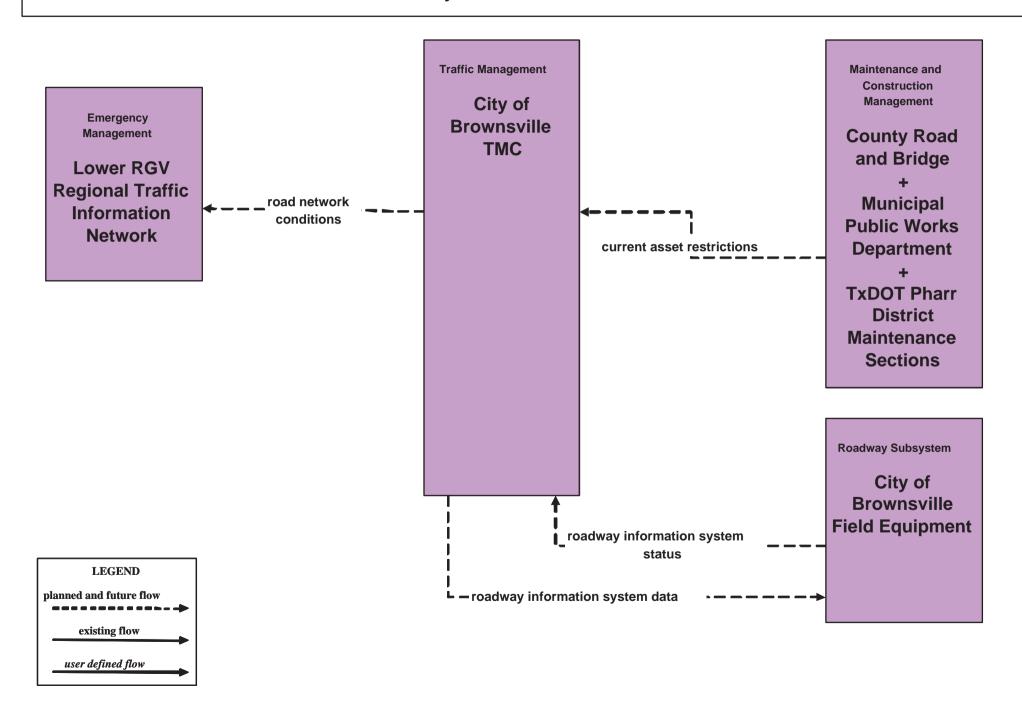
ATMS06 - Traffic Information Dissemination Private International Bridge Management Systems



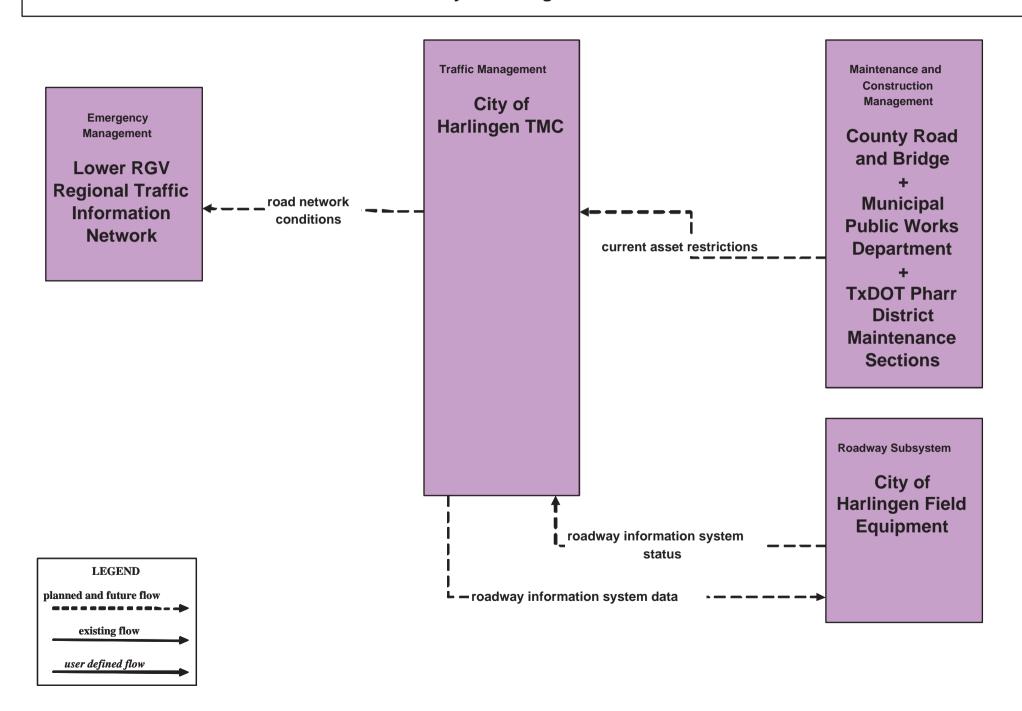
ATMS06 - Traffic Information Dissemination Brownsville MPO Traffic Management System



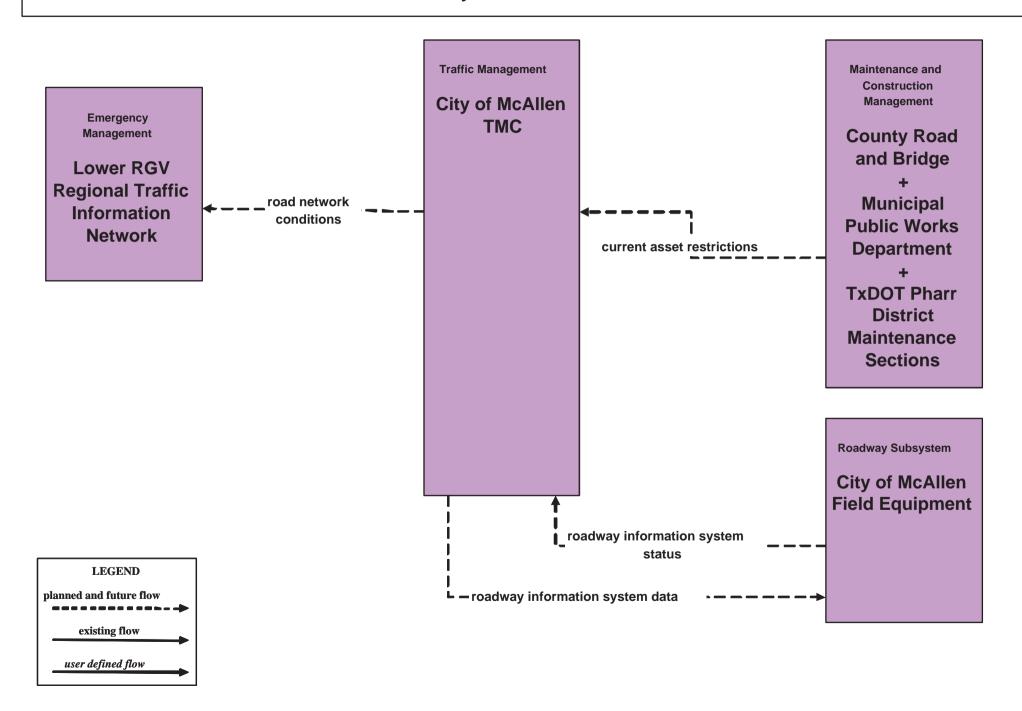
ATMS06 - Traffic Information Dissemination City of Brownsville TMC



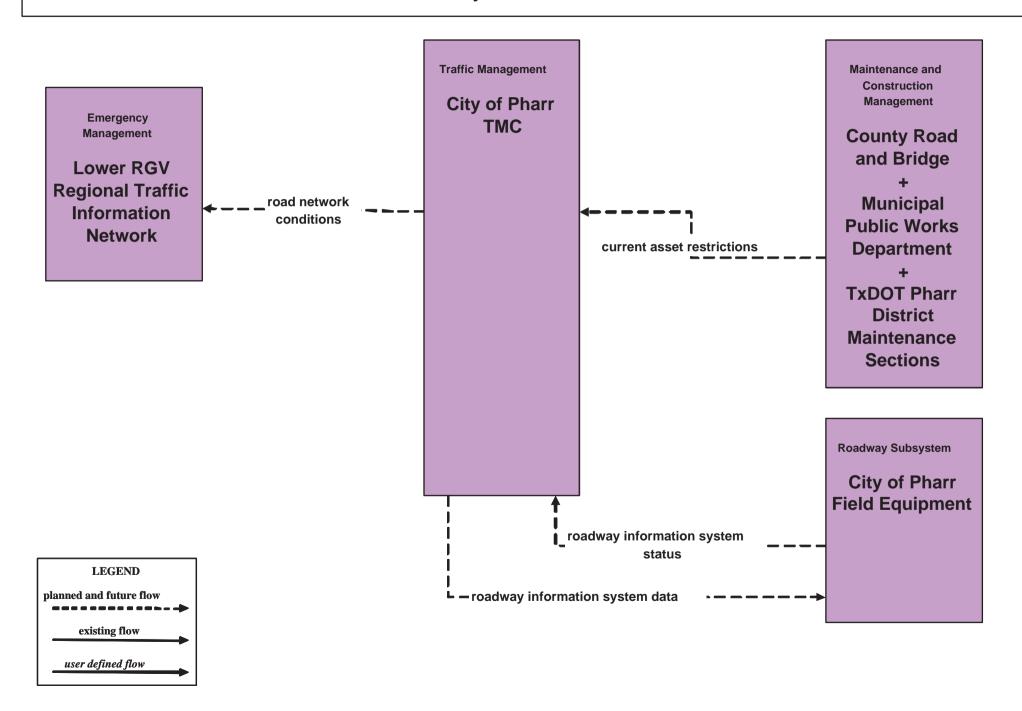
ATMS06 - Traffic Information Dissemination City of Harlingen TMC



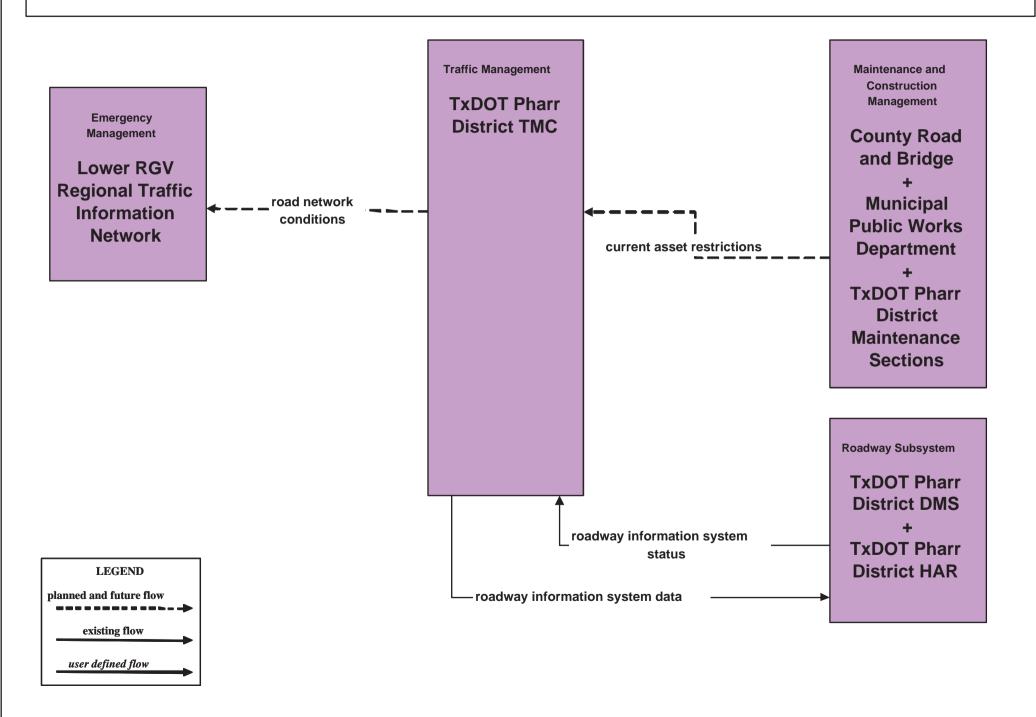
ATMS06 - Traffic Information Dissemination City of McAllen TMC



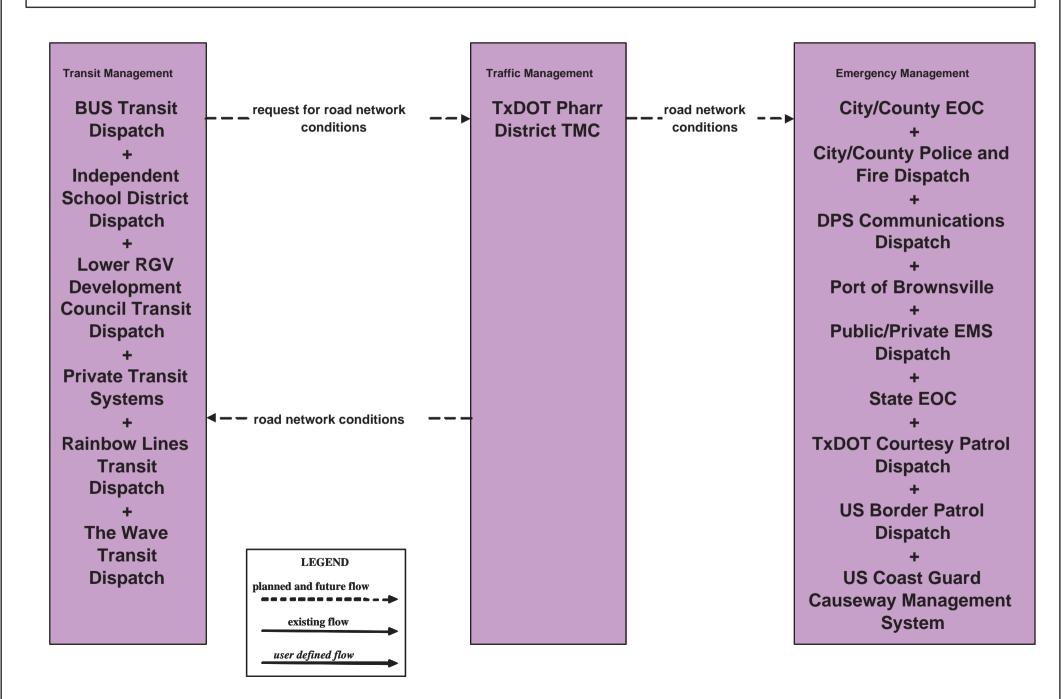
ATMS06 - Traffic Information Dissemination City of Pharr TMC



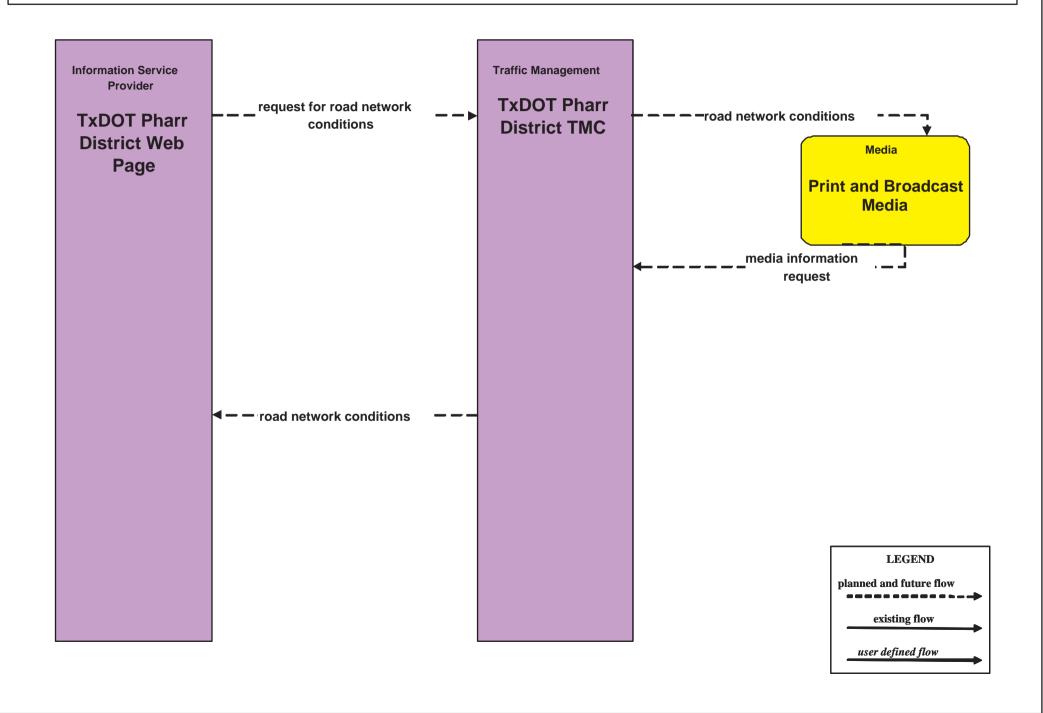
ATMS06 - Traffic Information Dissemination TxDOT Pharr District TMC



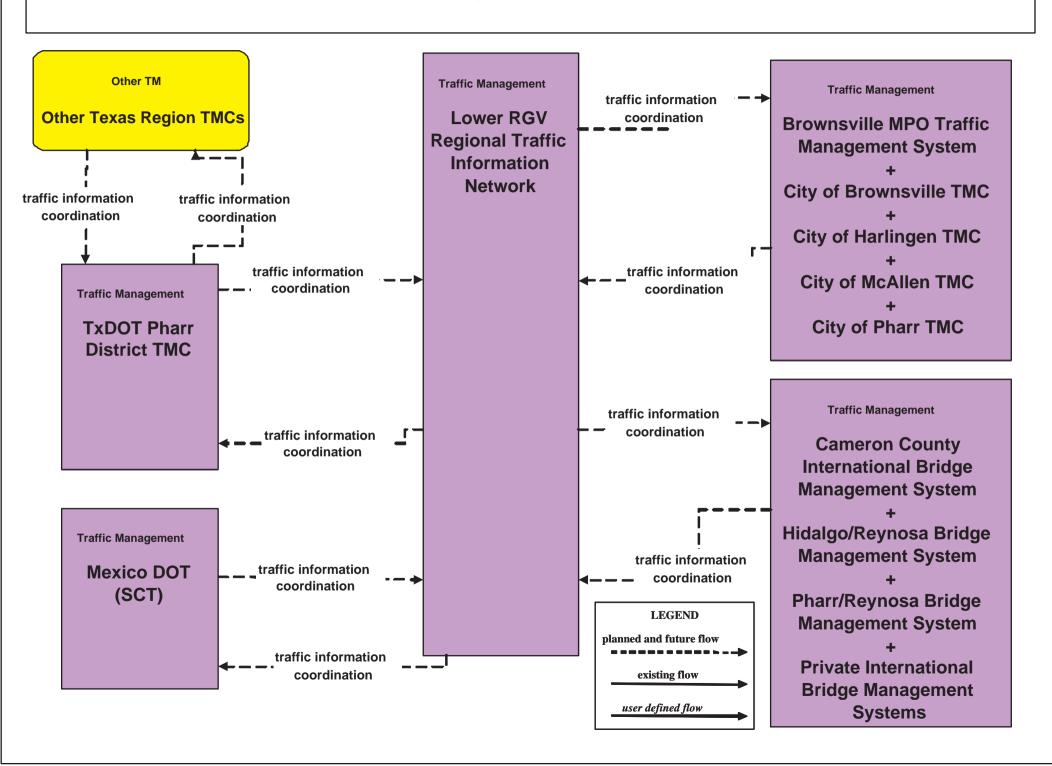
ATMS06 - Traffic Information Dissemination TxDOT Pharr District TMC



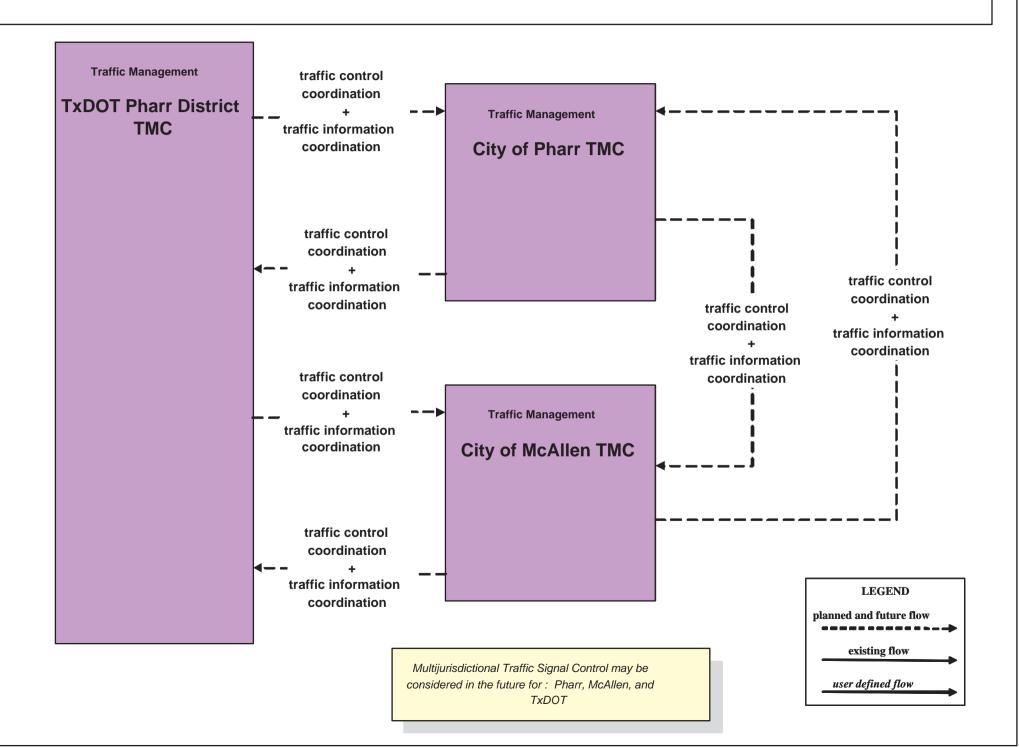
ATMS06 - Traffic Information Dissemination TxDOT Pharr District TMC



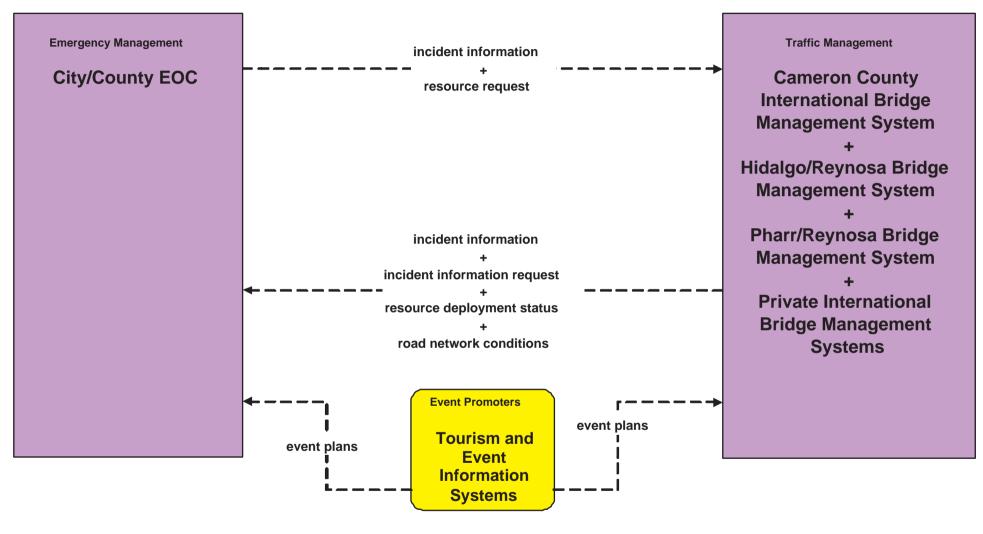
ATMS07 - Regional Traffic Information

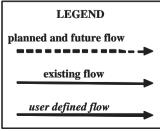


ATMS07 - Regional Traffic Control

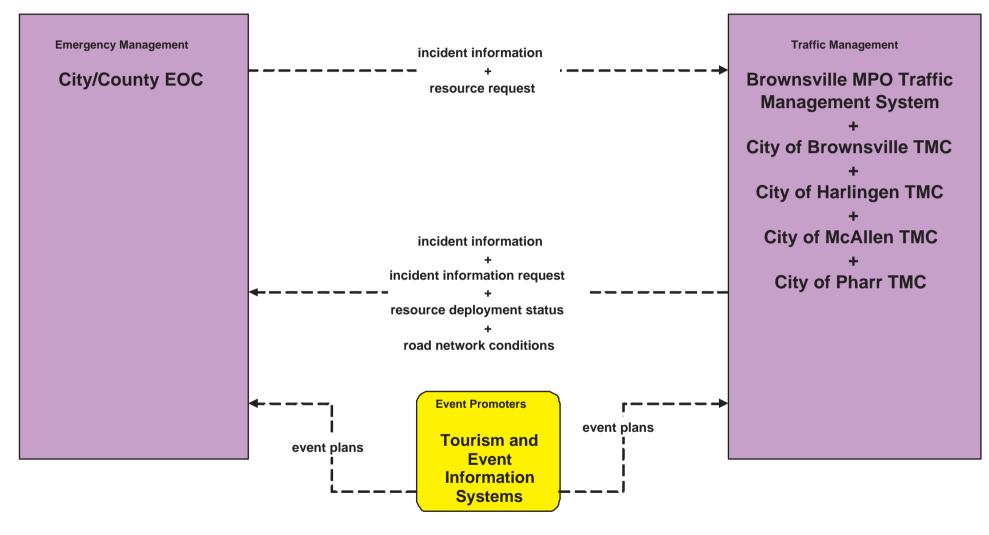


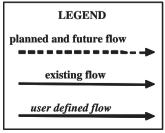
ATMS 08 - Incident Management City/County EOC to Bridge Management Systems



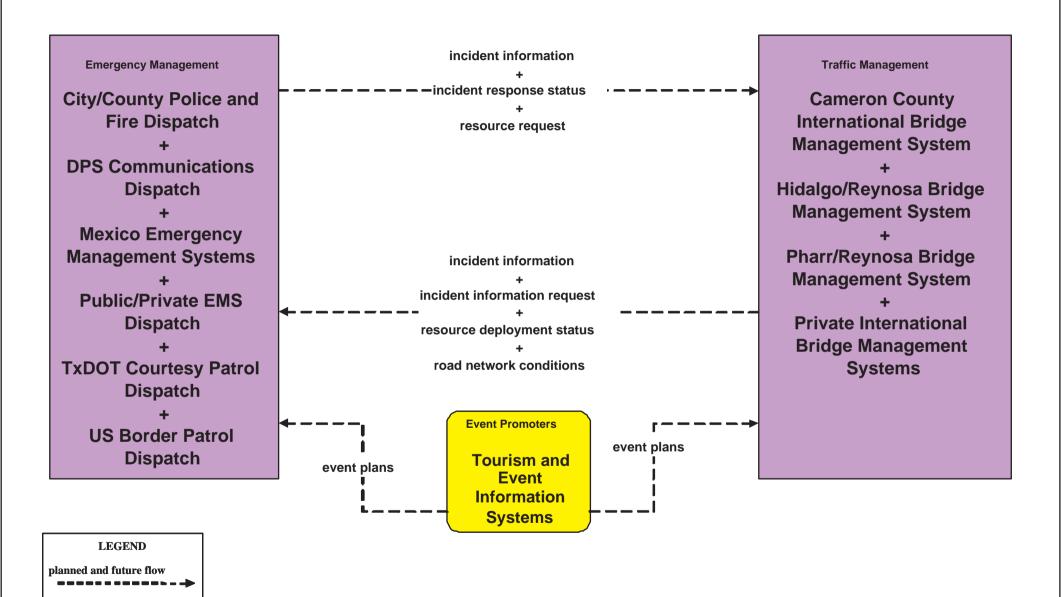


ATMS 08 - Incident Management City/County EOC to Brownsville MPO, City of Brownsville, City of Harlingen, City of McAllen, and City of Pharr TMCs





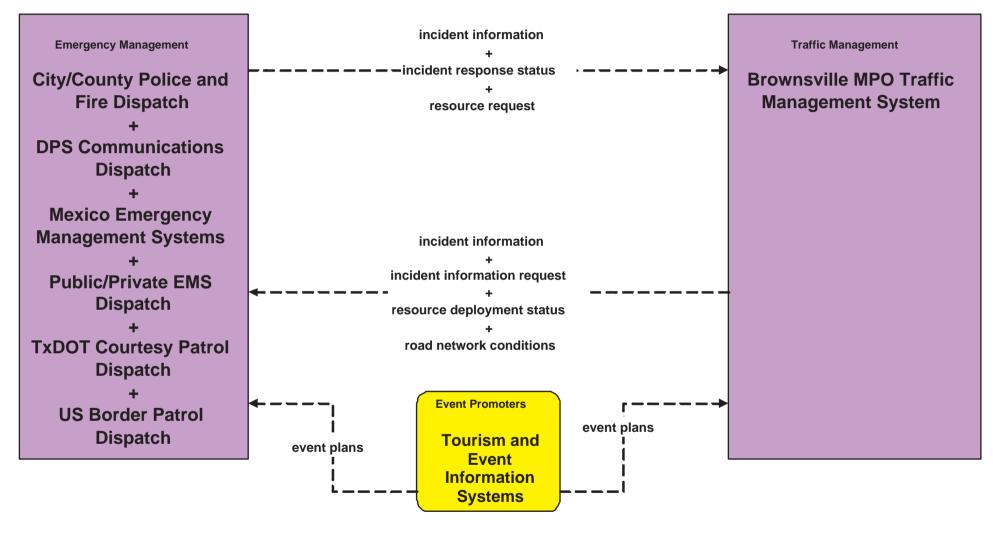
ATMS 08 - Incident Management Non-EOC EM to Bridge Management System TM

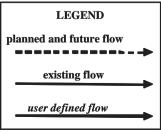


existing flow

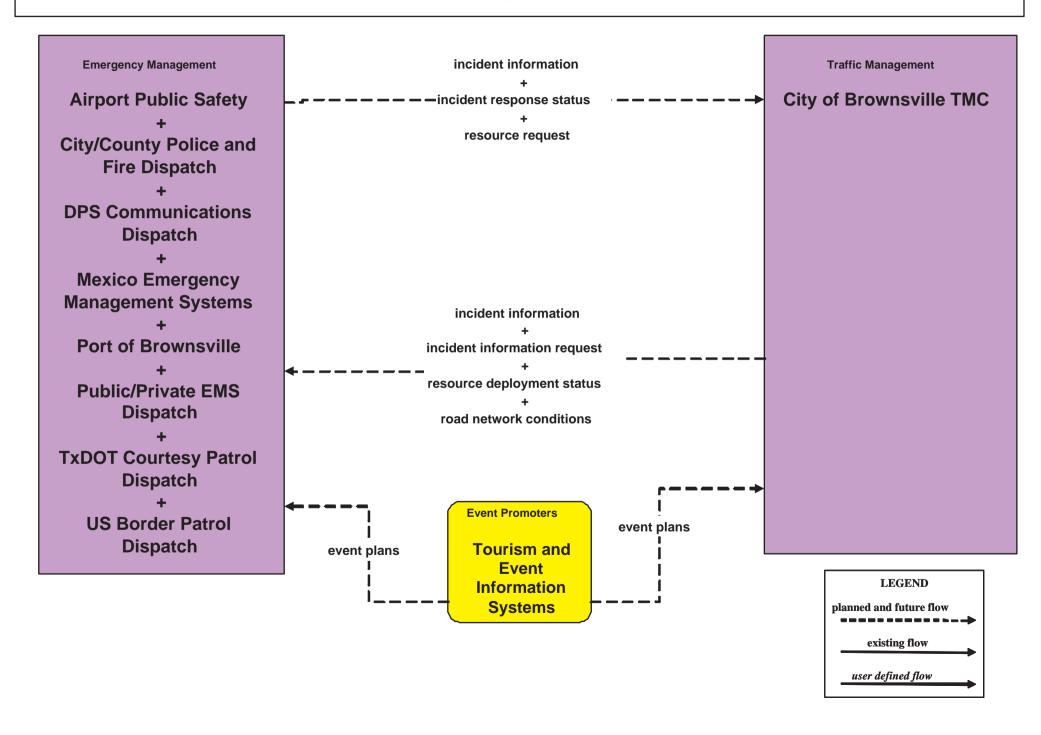
user defined flow

ATMS 08 - Incident Management Non-EOC EM to Brownsville MPO Traffic Management System

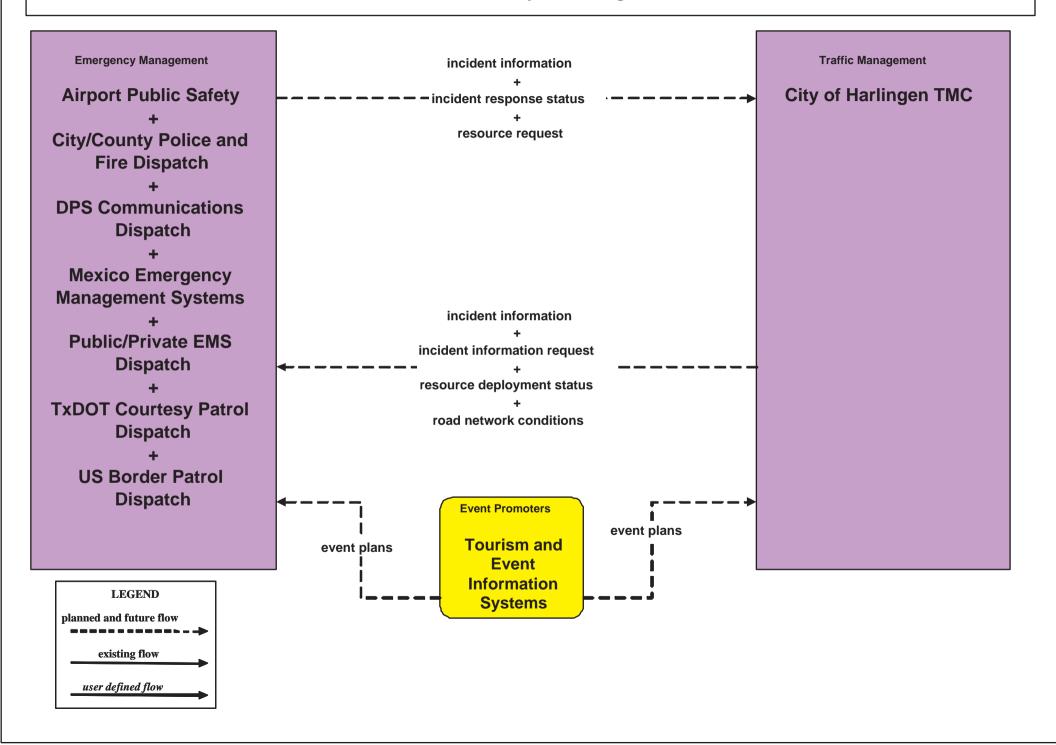




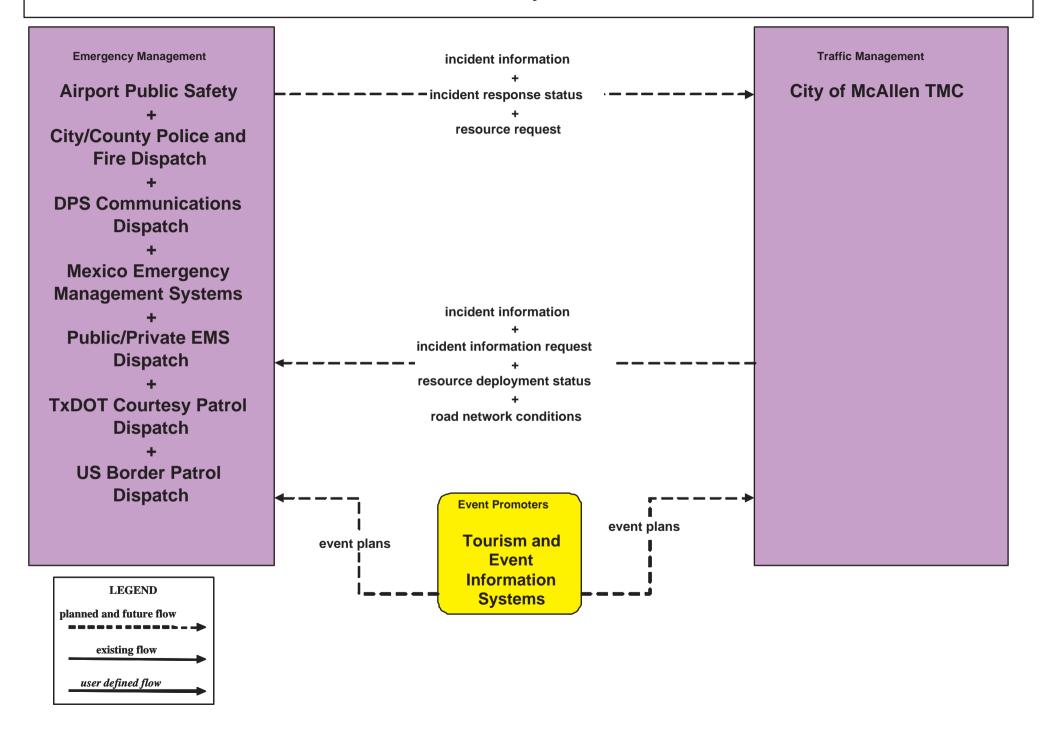
ATMS 08 - Incident Management Non-EOC EM to City of Brownsville TMC



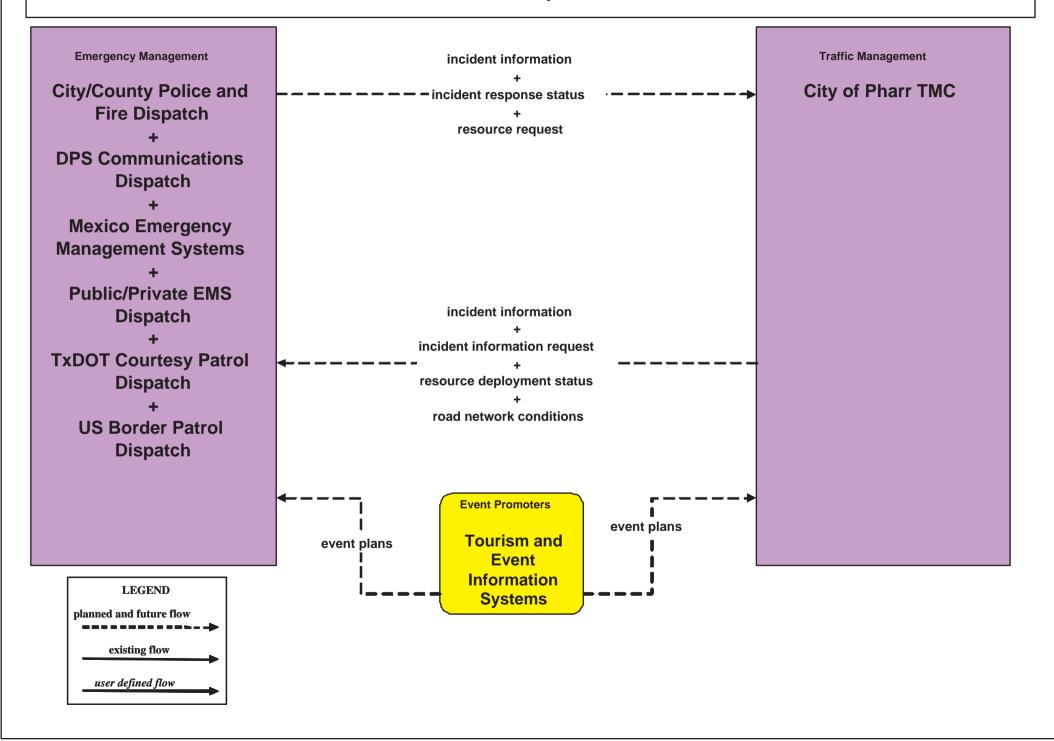
ATMS 08 - Incident Management Non-EOC EM to City of Harlingen TMC



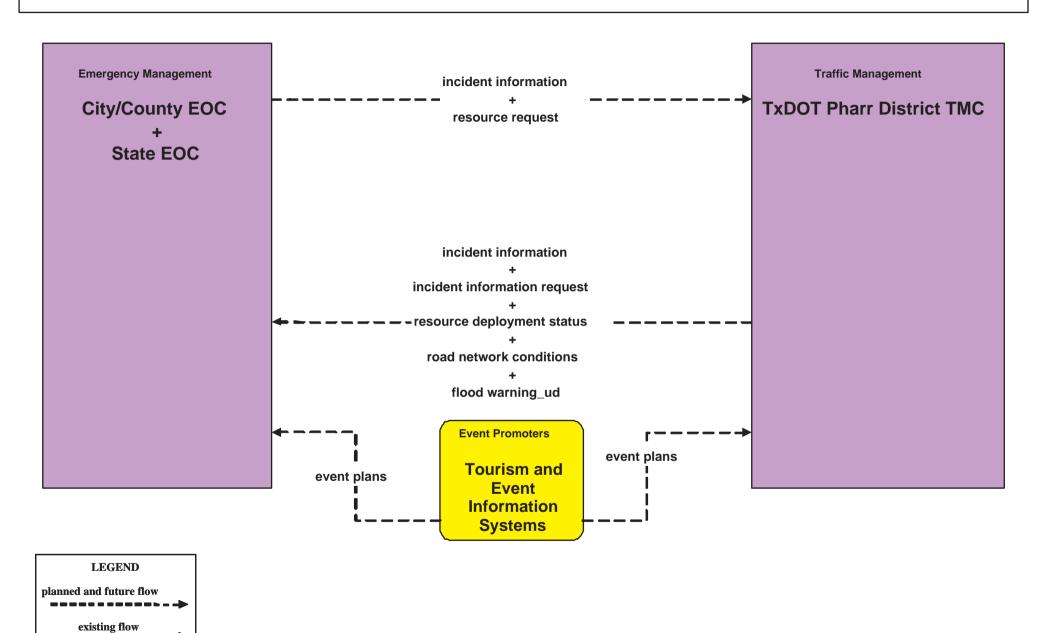
ATMS 08 - Incident Management Non-EOC EM to City of McAllen TMC



ATMS 08 - Incident Management Non-EOC EM to City of Pharr TMC

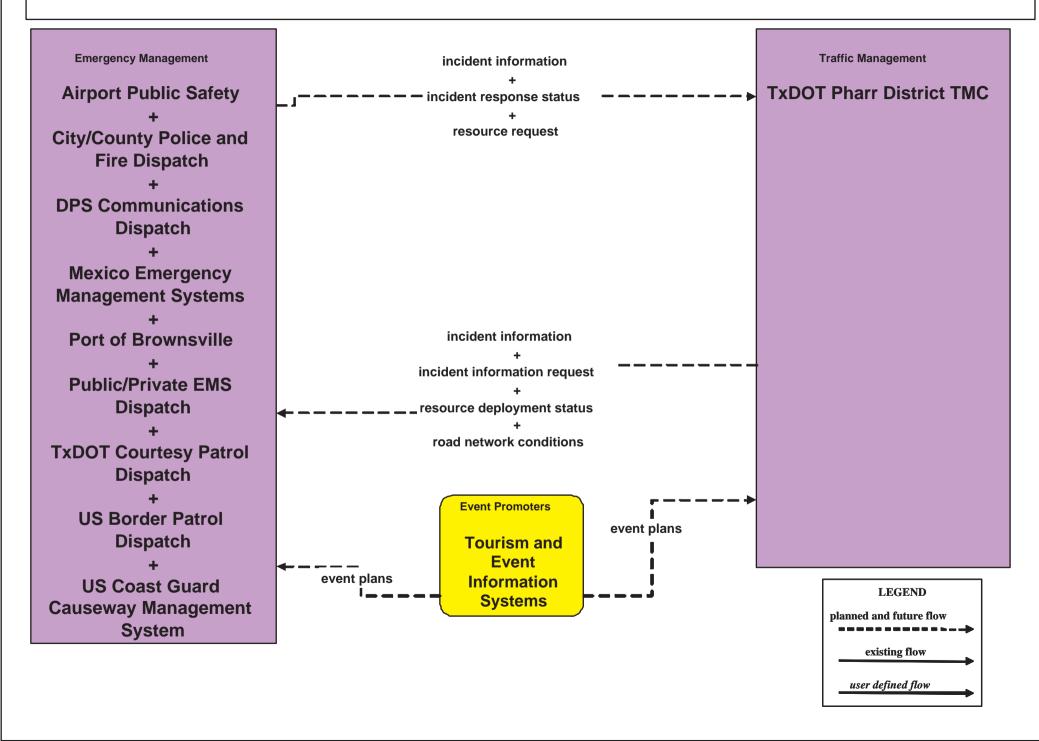


ATMS 08 - Incident Management State EOC, City/County EOC to TxDOT Pharr District TMC



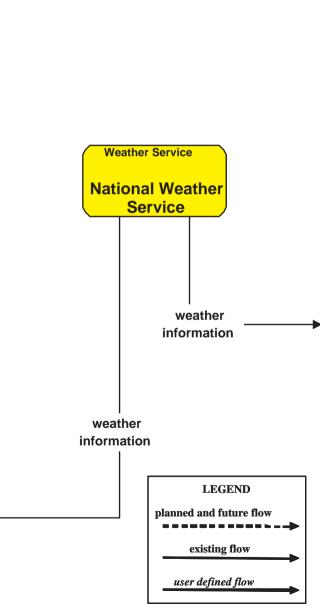
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ATMS 08 - Incident Management Non-EOC EM to TxDOT Pharr District TMC



ATMS 08 - Incident Management Weather Service

Emergency Management Airport Public Safety City/County EOC City/County Police and Fire **Dispatch DPS Communications Dispatch Lower RGV Regional Traffic Information Network Mexico Emergency Management Systems** Port of Brownsville **Public/Private EMS Dispatch State EOC TxDOT Courtesy Patrol Dispatch US Border Patrol Dispatch US Coast Guard Causeway Management System**



Traffic Management

Brownsville MPO Traffic Management System

Cameron County International Bridge Management System

City of Brownsville TMC

City of Harlingen TMC

City of McAllen TMC

City of Pharr TMC

Hidalgo/Reynosa Bridge Management System

Lower RGV Regional Traffic Information Network

Mexico DOT (SCT)

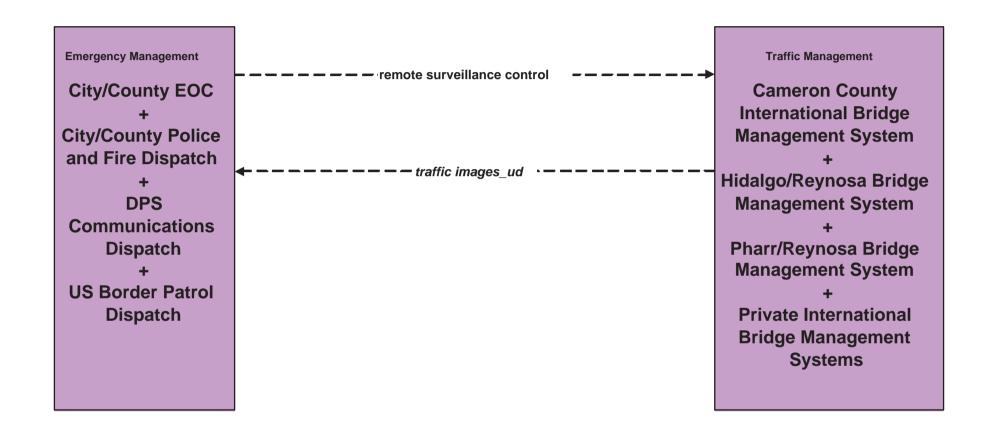
Pharr/Reynosa Bridge Management System

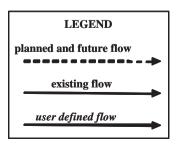
Private International Bridge Management Systems

TxDOT Pharr District TMC

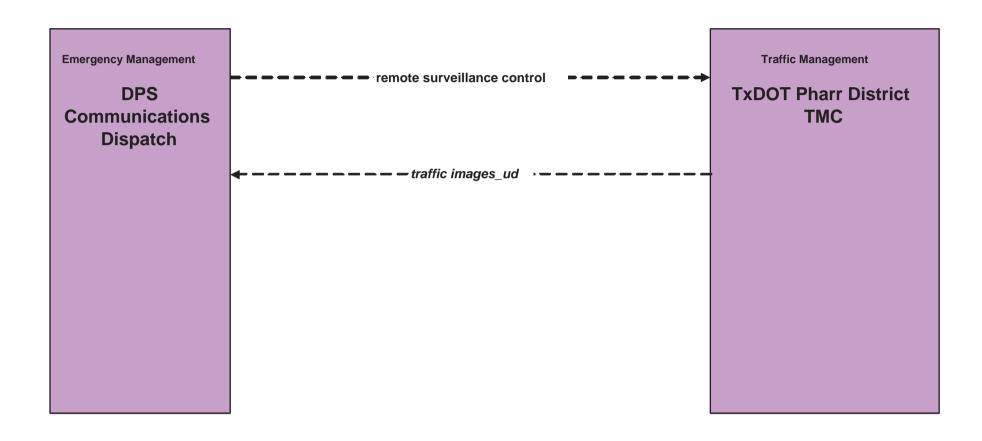
US Border Patrol Dispatch

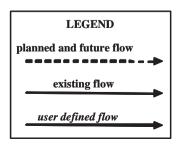
ATMS 08 - Incident Management Bridge Management Systems EM to TM Remote Surveillance Control



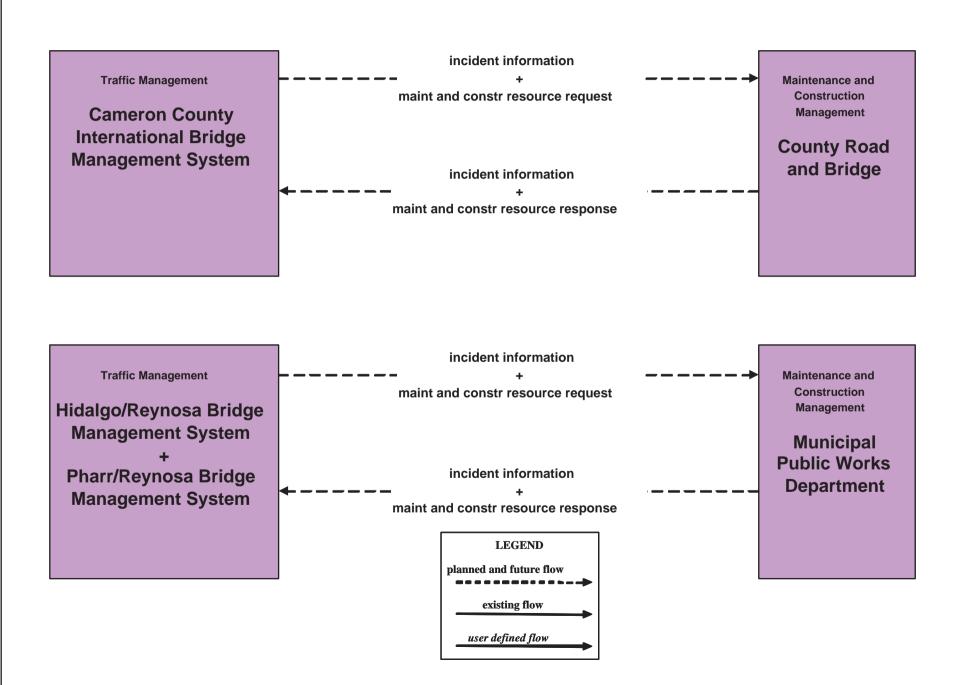


ATMS 08 - Incident Management TxDOT Pharr District TMC EM to TM Remote Surveillance Control

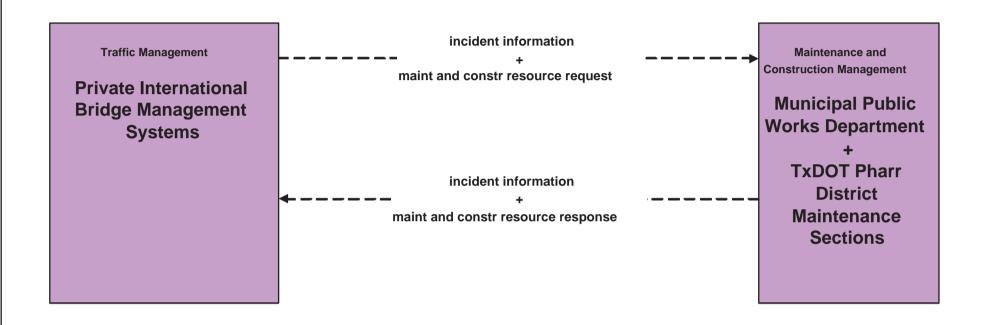


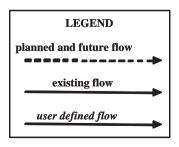


ATMS 08 - Incident Management Bridge Management Systems to MCM (1 of 2)

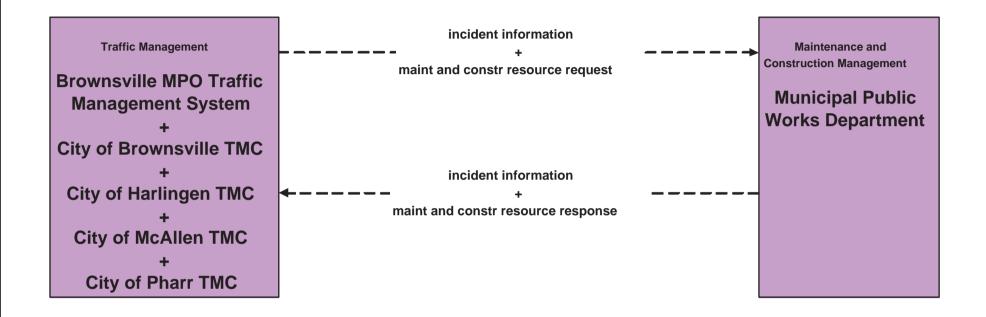


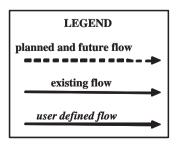
ATMS 08 - Incident Management Bridge Management Systems to MCM (2 of 2)



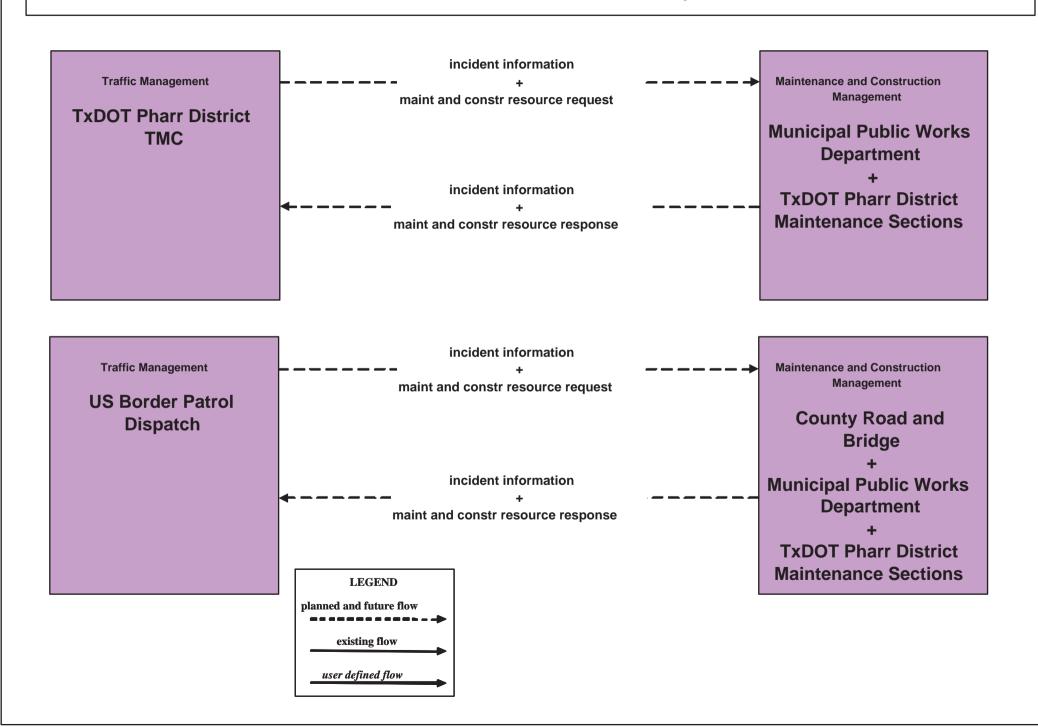


ATMS 08 - Incident Management Brownsville MPO, City of Brownsville, City of Harlingen, City of McAllen, and City of Pharr TMCs to MCM

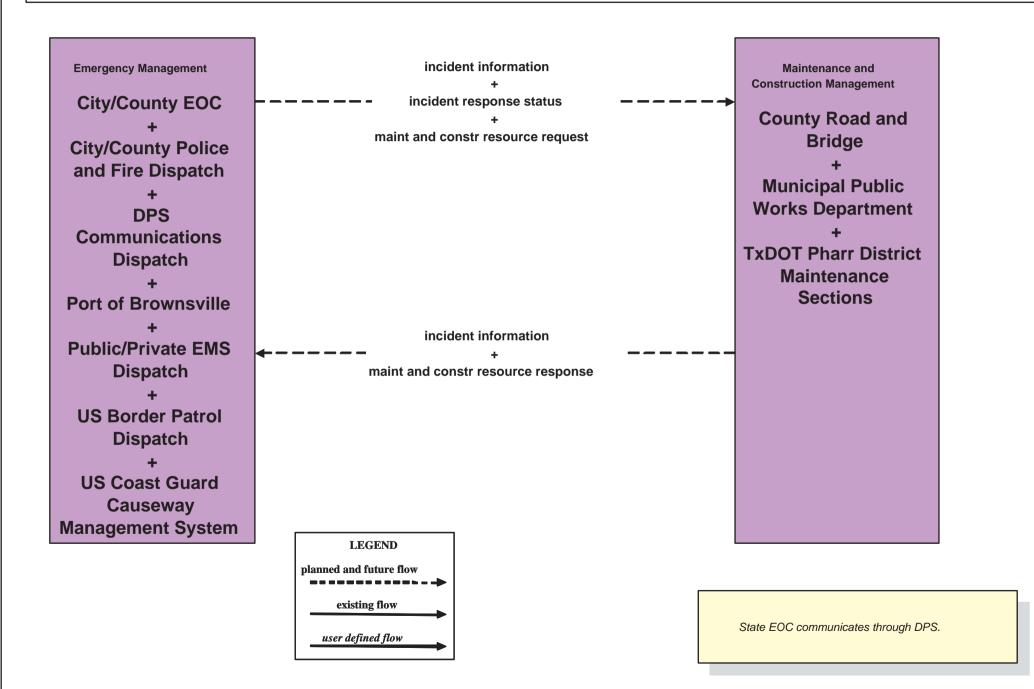




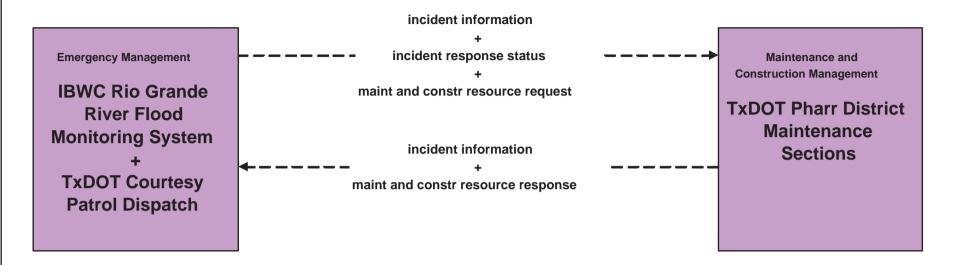
ATMS 08 - Incident Management TxDOT Pharr District TMC and US Border Patrol Dispatch to MCM

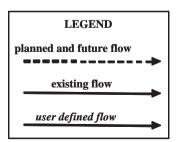


ATMS 08 - Incident Management EM to MCM (1 of 2)



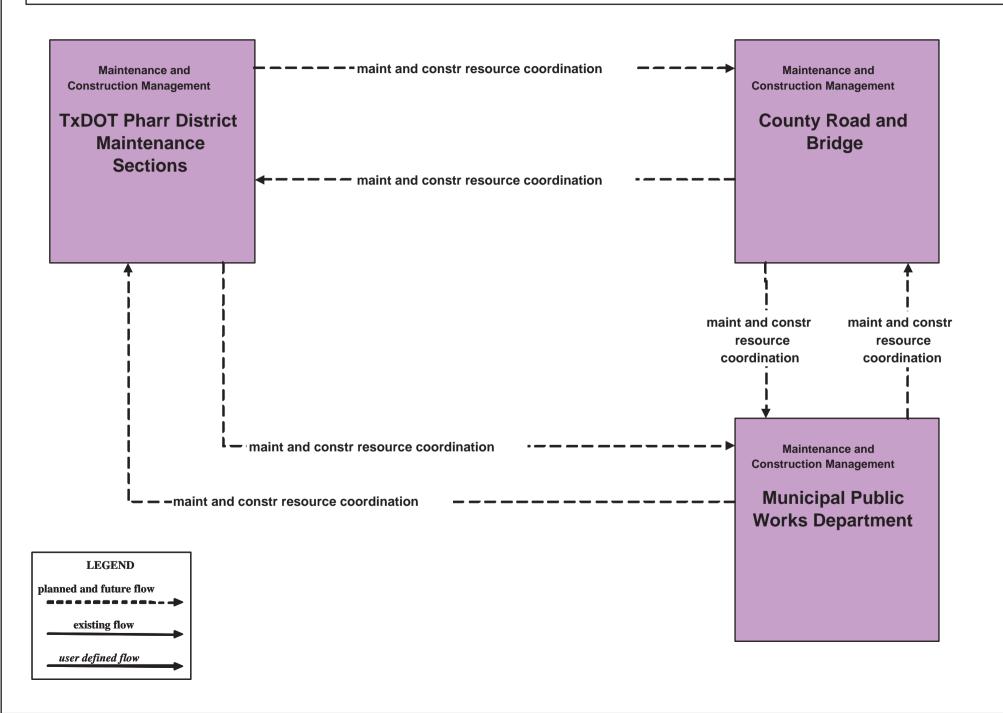
ATMS 08 - Incident Management EM to MCM (2 of 2)



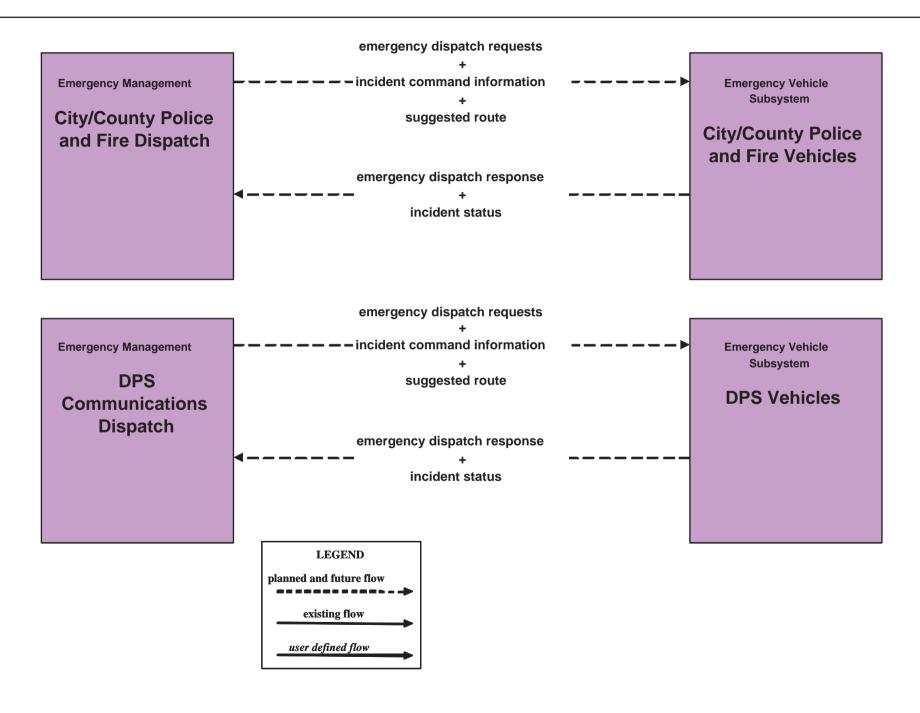


State EOC communicates through DPS.

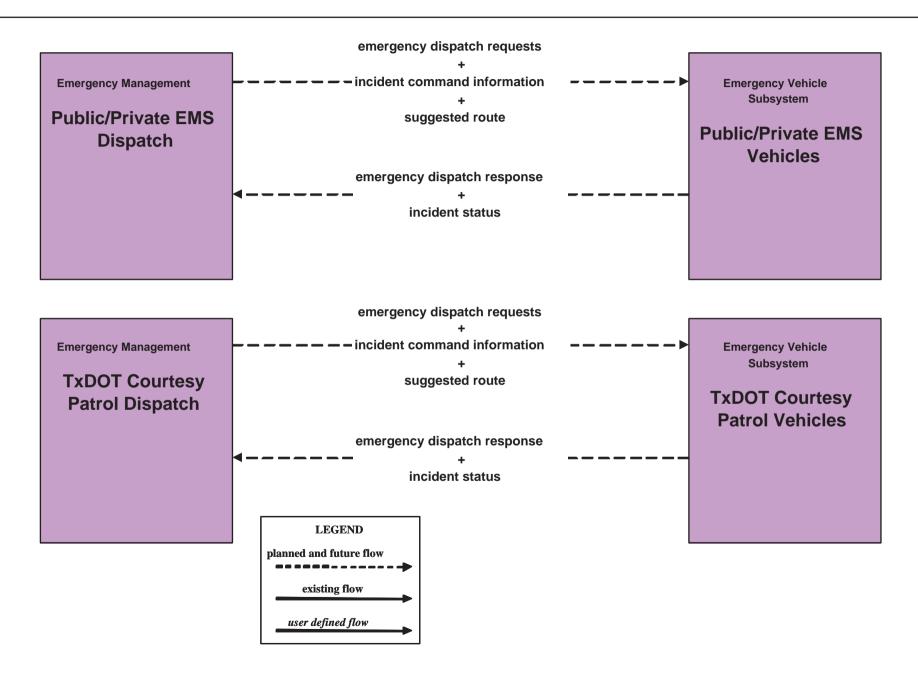
ATMS 08 - Incident Management MCM to MCM



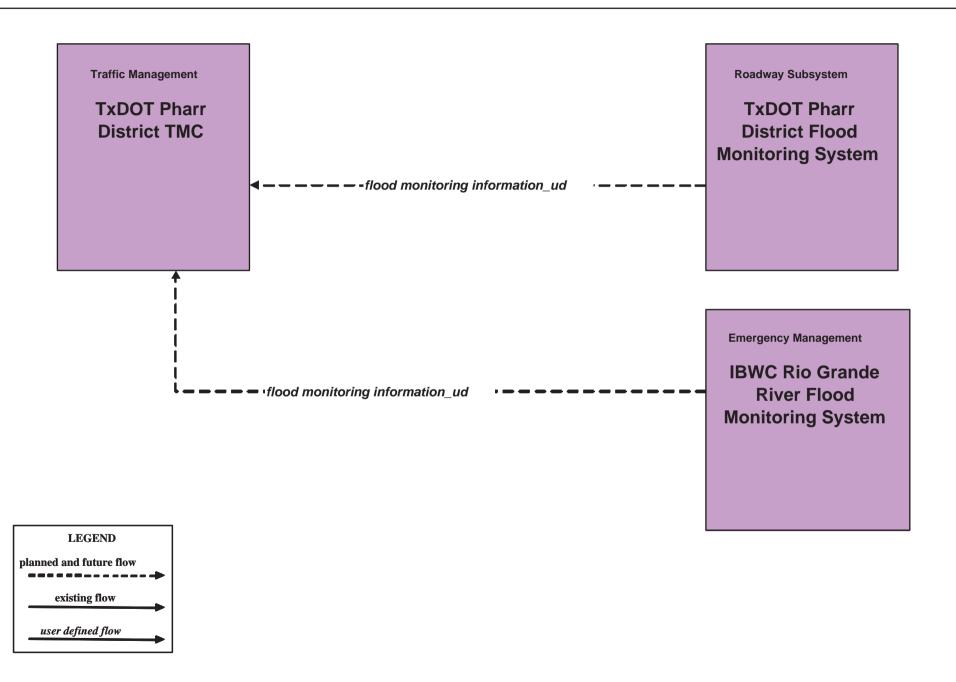
ATMS 08 - Incident Management EM to EV



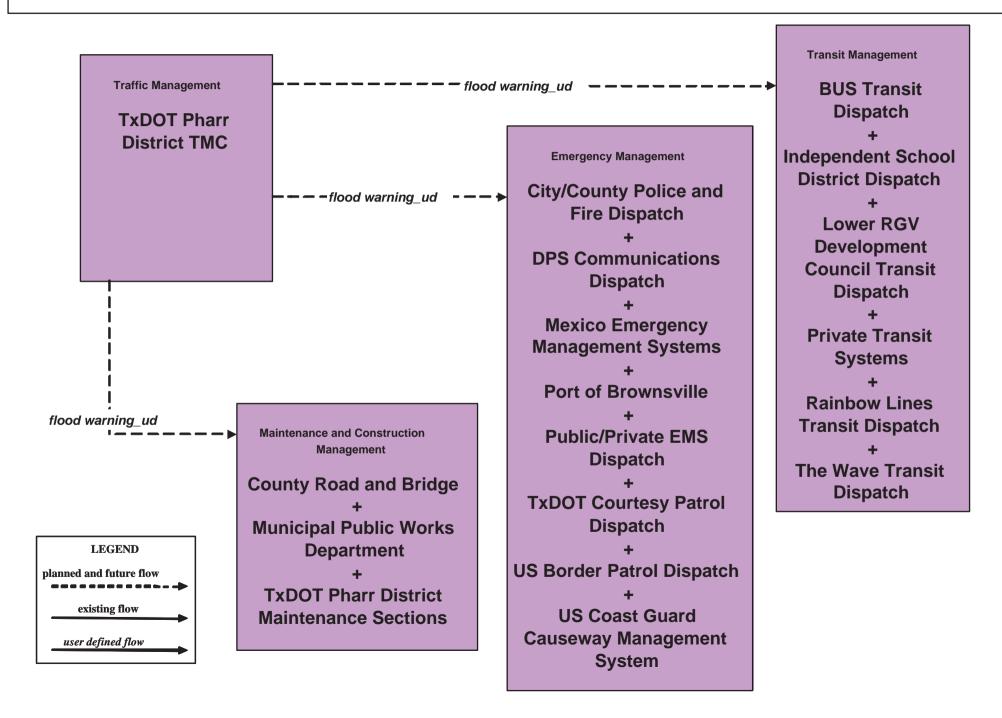
ATMS 08 - Incident Management EM to EV



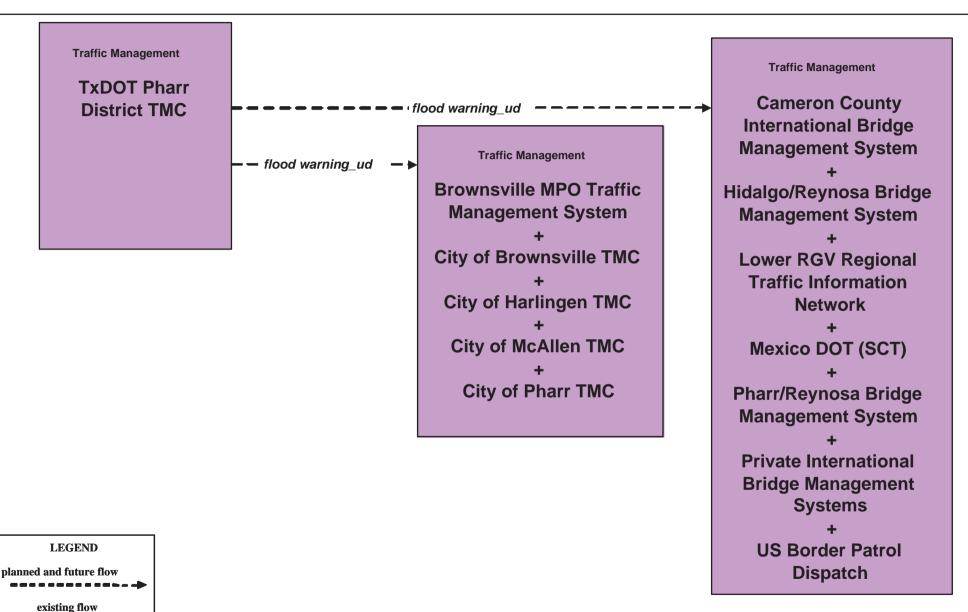
ATMS 08 - Incident Management Flood Monitoring



ATMS 08 - Incident Management Flood Warning

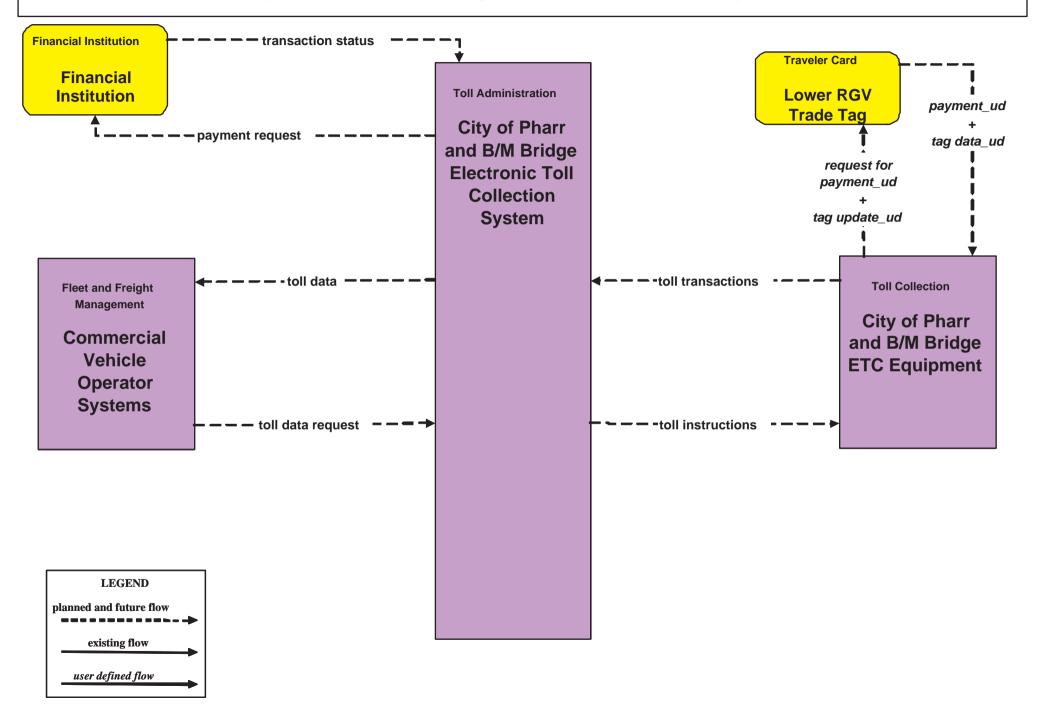


ATMS 08 - Incident Management Flood Warning

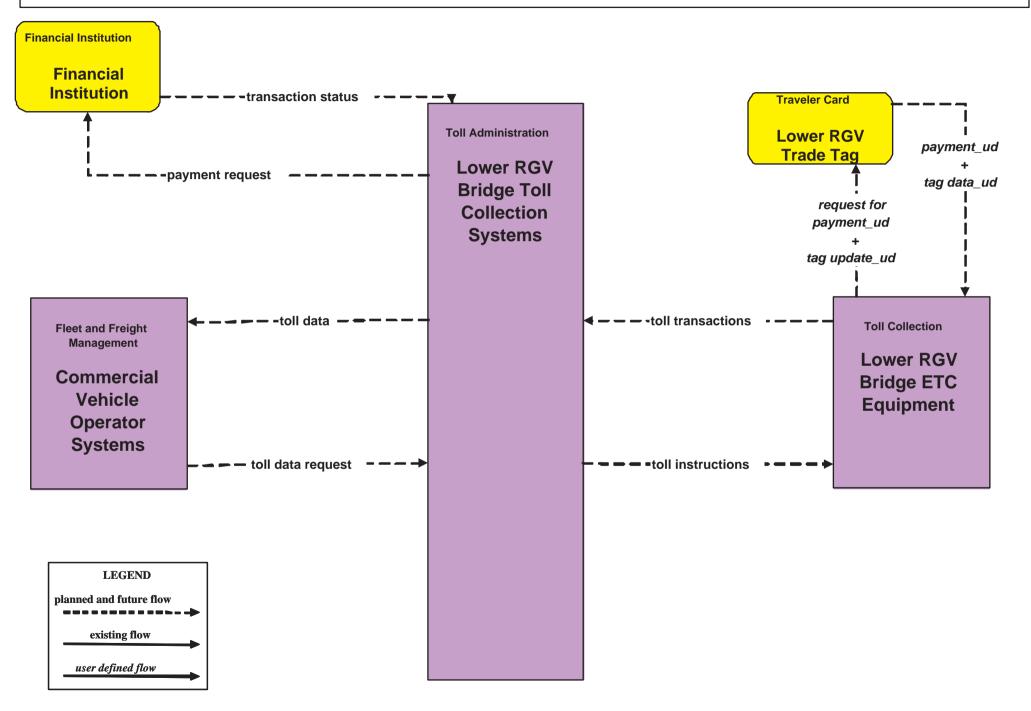


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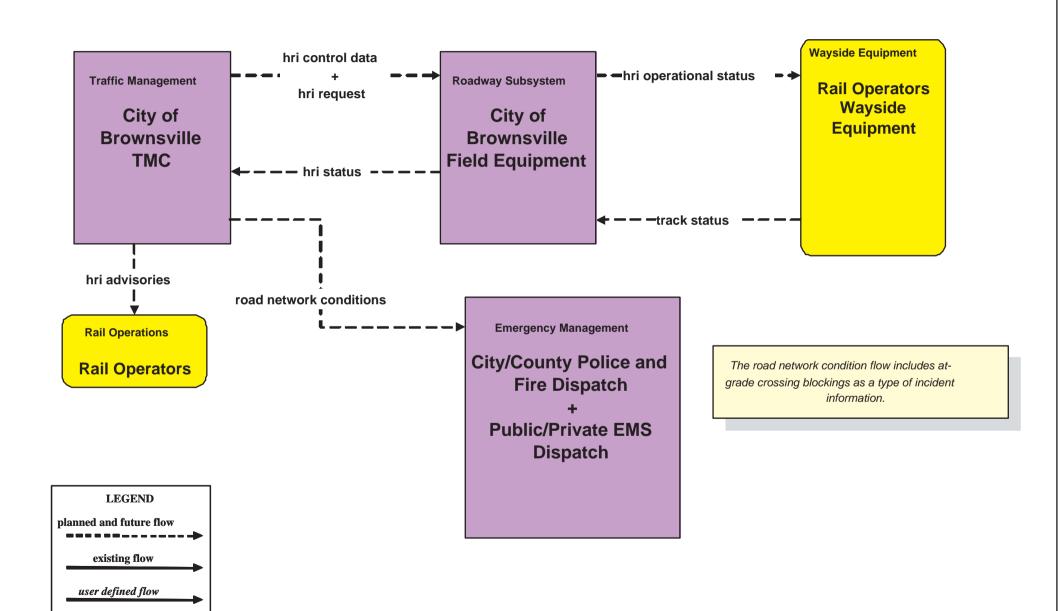
ATMS10 - Electronic Toll Collection City of Pharr and B&M Bridge Electronic Toll Collection System



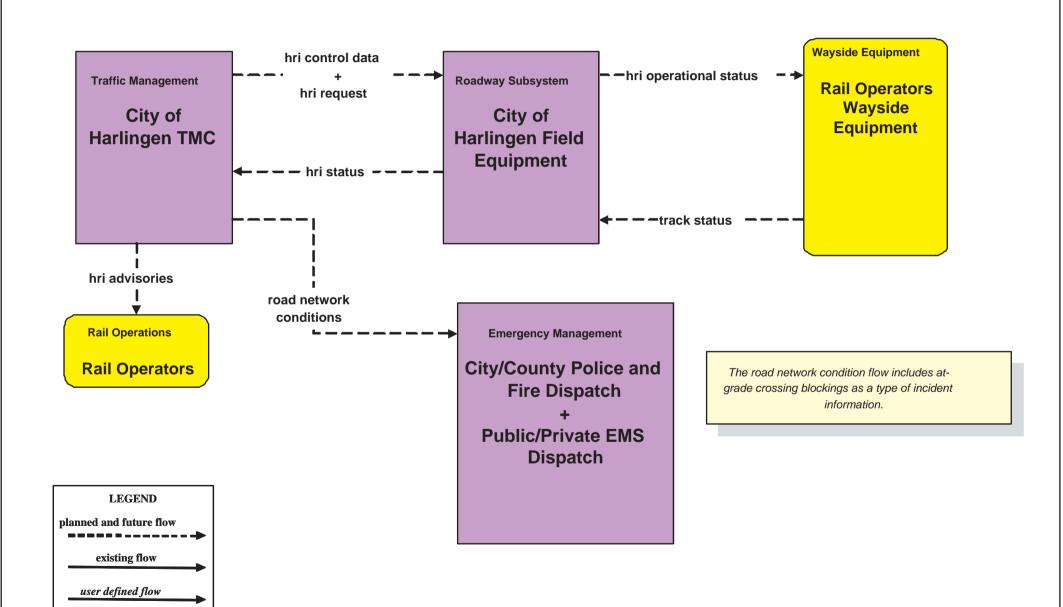
ATMS10 - Electronic Toll Collection City of Pharr and B&M Bridge Electronic Toll Collection System



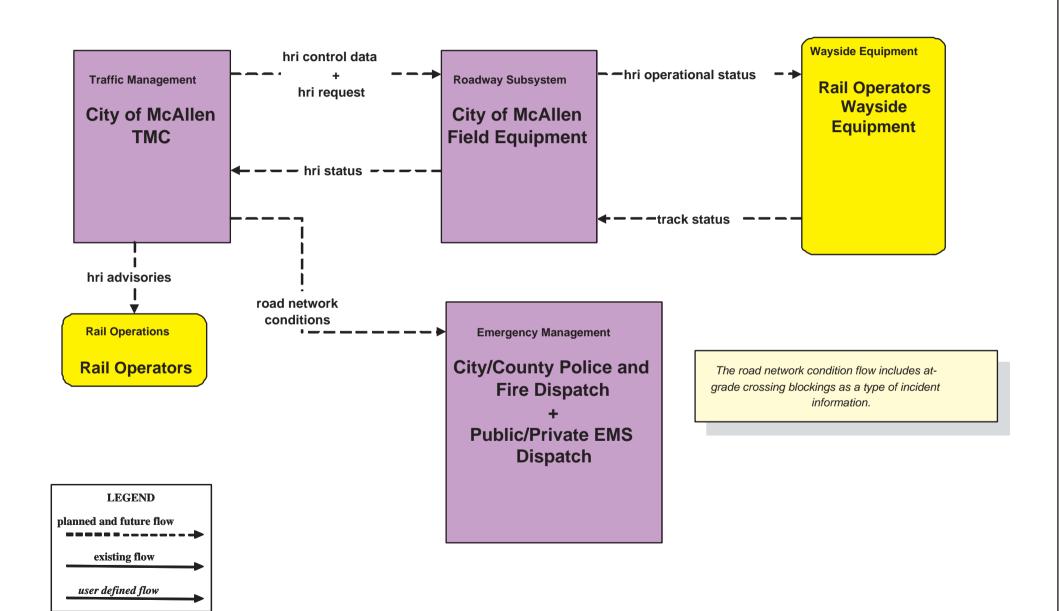
ATMS13 - Standard Railroad Crossing City of Brownsville



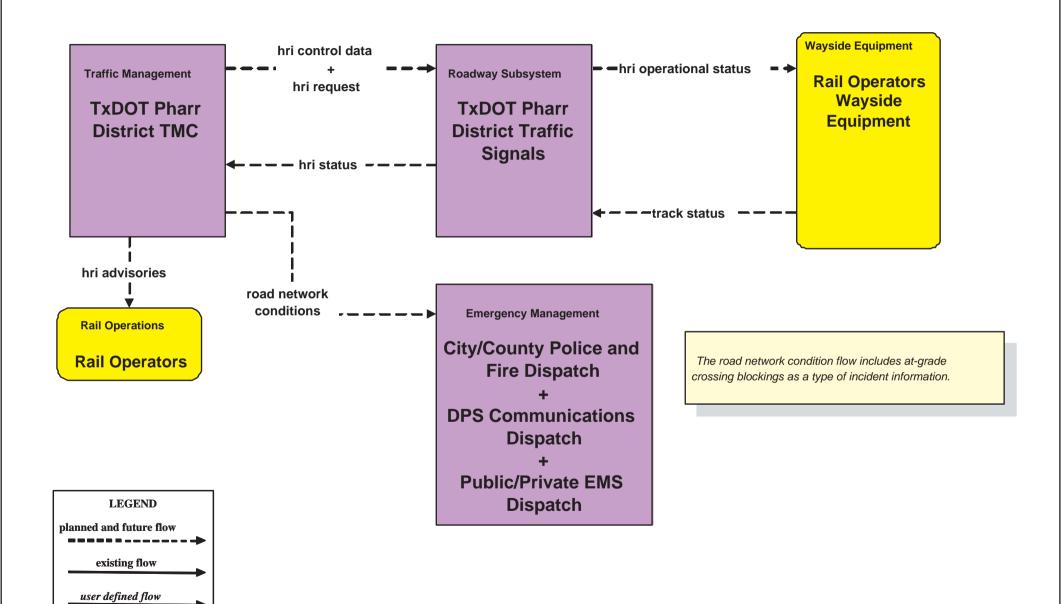
ATMS 13 - Standard Railroad Crossing City of Harlingen



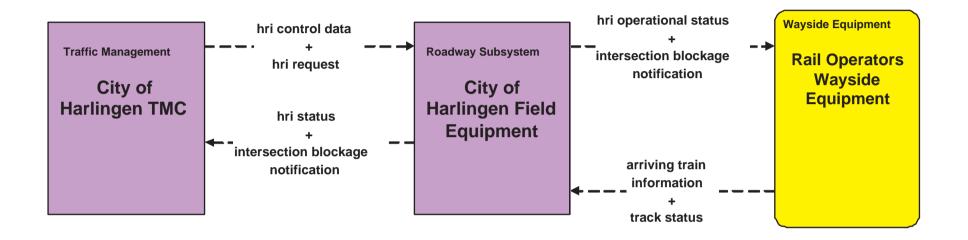
ATMS13 - Standard Railroad Crossing City of McAllen

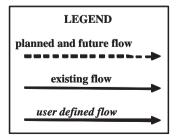


ATMS 13 - Standard Railroad Crossing TxDOT Pharr District TMC

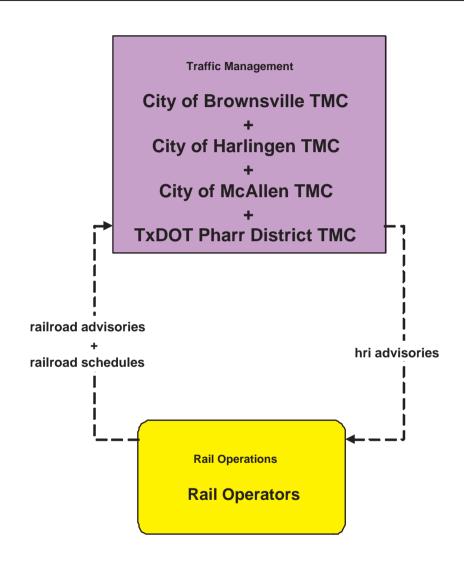


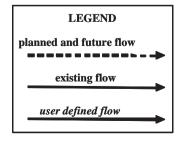
ATMS14 - Advanced Railroad Crossing City of Harlingen



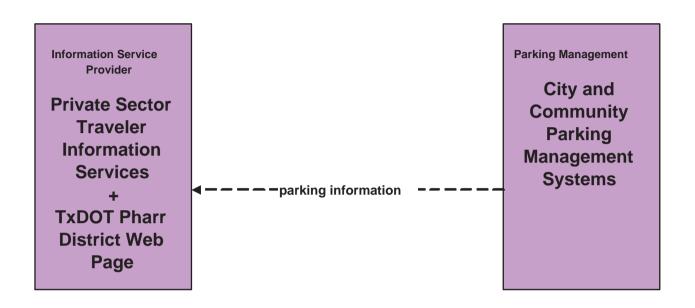


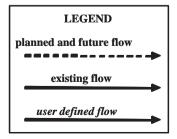
ATMS15 - Railroad Operations Coordination





ATMS16 - Parking Facility Management





ATMS17 - Regional Parking Management

