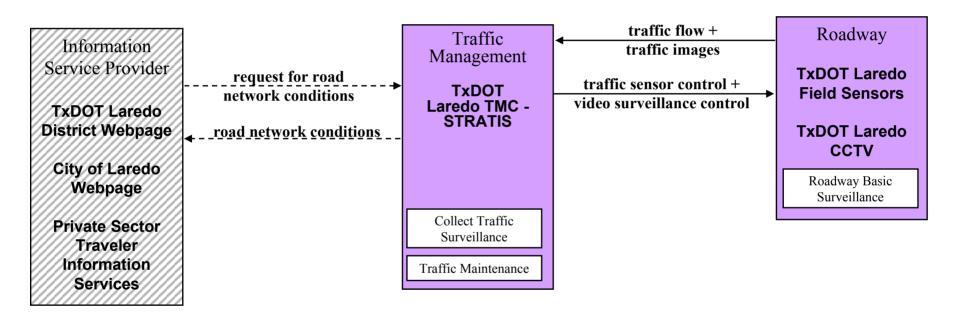
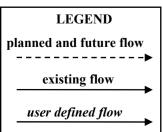
Laredo, TX Regional ITS Architecture Customized Market Package Diagrams

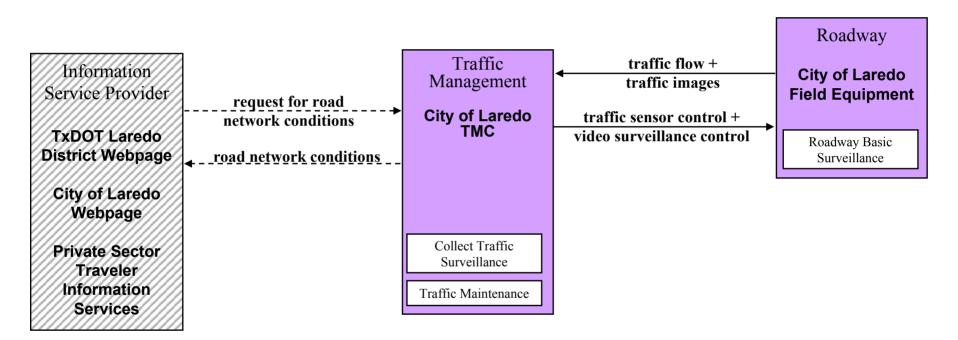
Advanced Traffic Management Systems (ATMS)

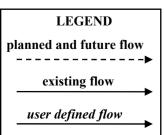
ATMS1 - Network Surveillance TxDOT Laredo TMC - STRATIS



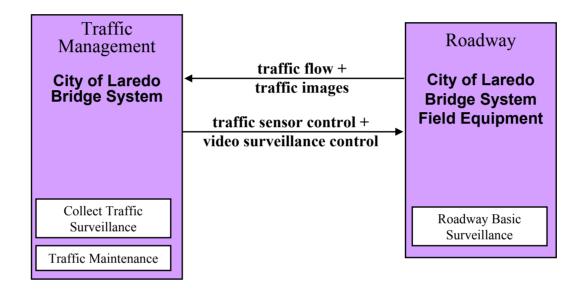


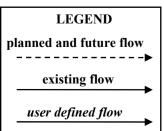
ATMS1 - Network Surveillance City of Laredo TMC

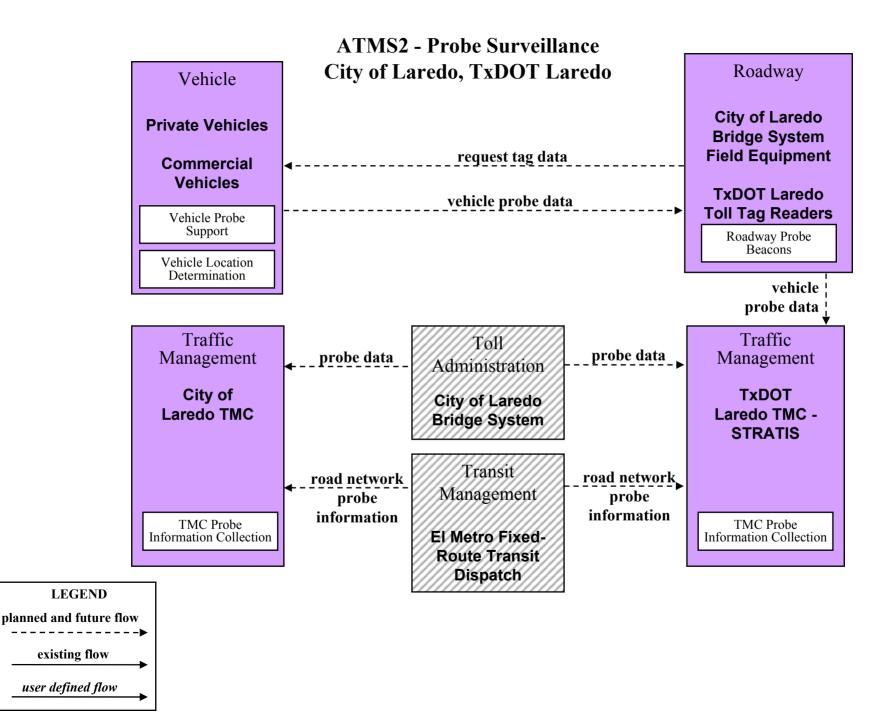




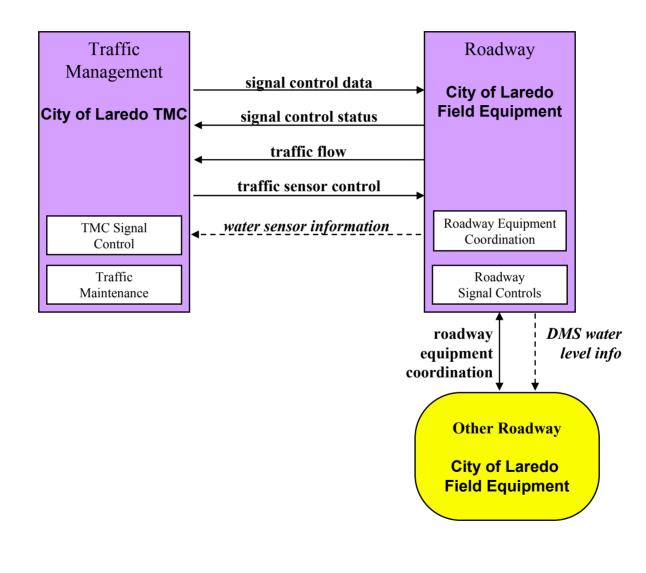
ATMS1 - Network Surveillance City of Laredo Bridge System

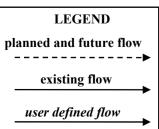




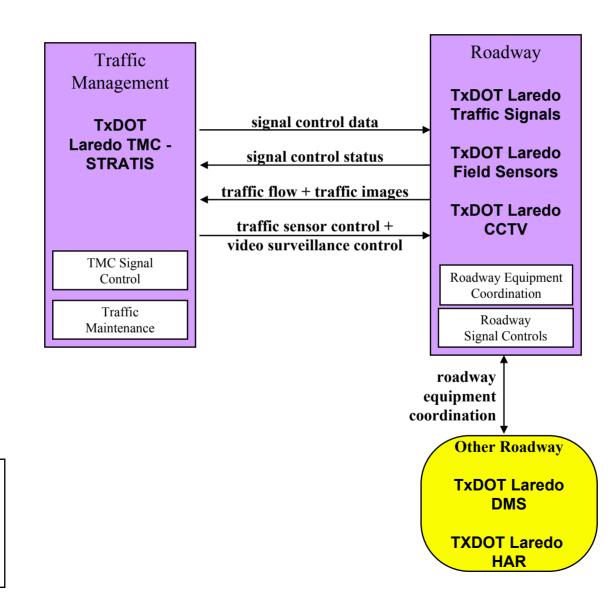


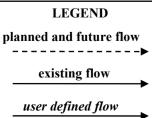
ATMS3 – Surface Street Control City of Laredo TMC



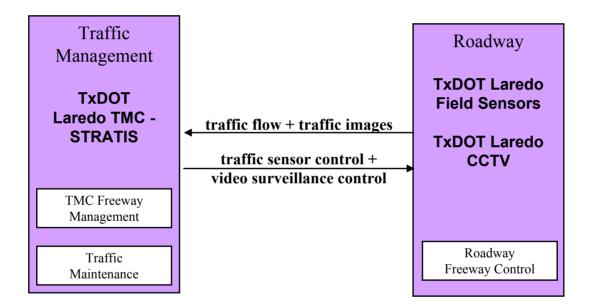


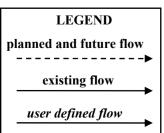
ATMS3 – Surface Street Control TxDOT Laredo TMC - STRATIS



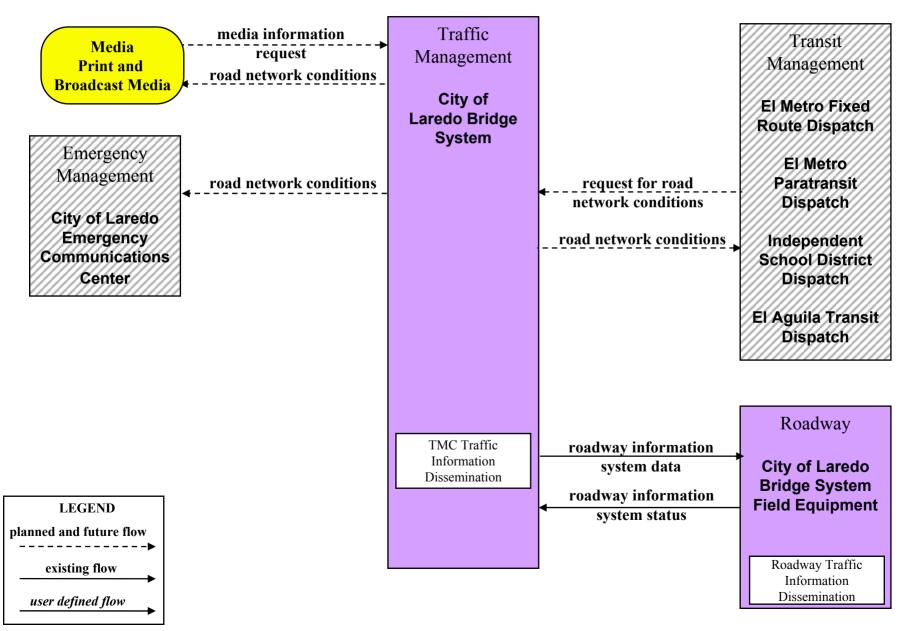


ATMS4 – Freeway Control TxDOT Laredo TMC-STRATIS

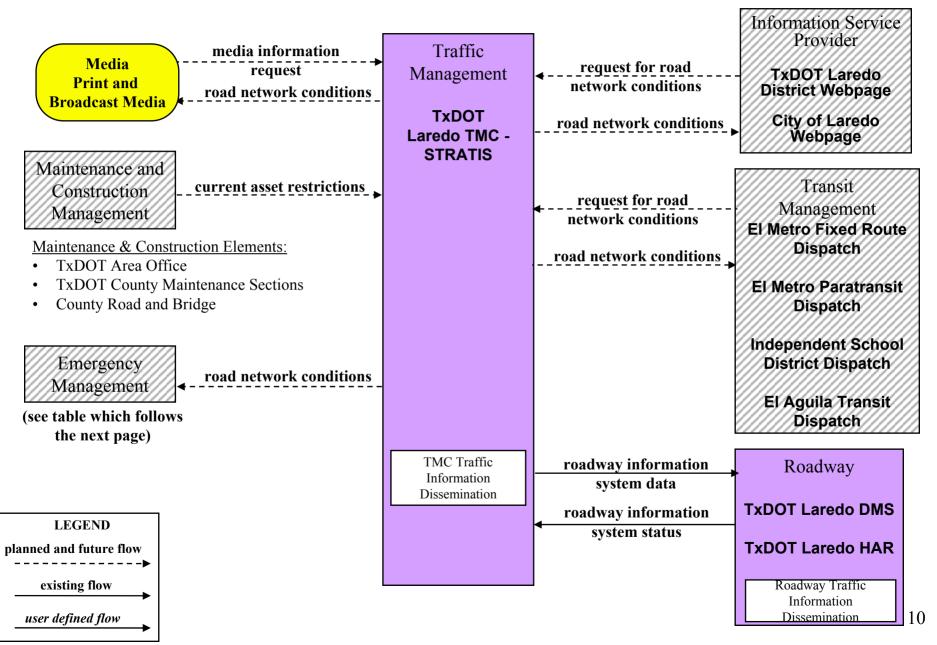


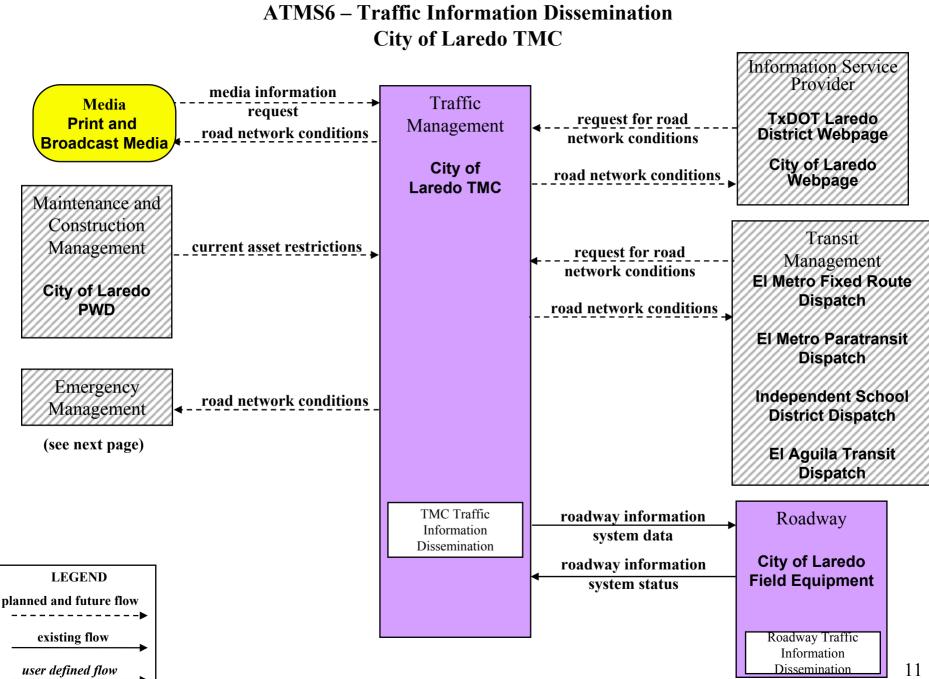


ATMS6 – Traffic Information Dissemination City of Laredo Bridge System



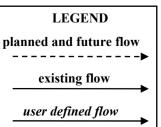
ATMS6 – Traffic Information Dissemination TxDOT Laredo TMC - STRATIS



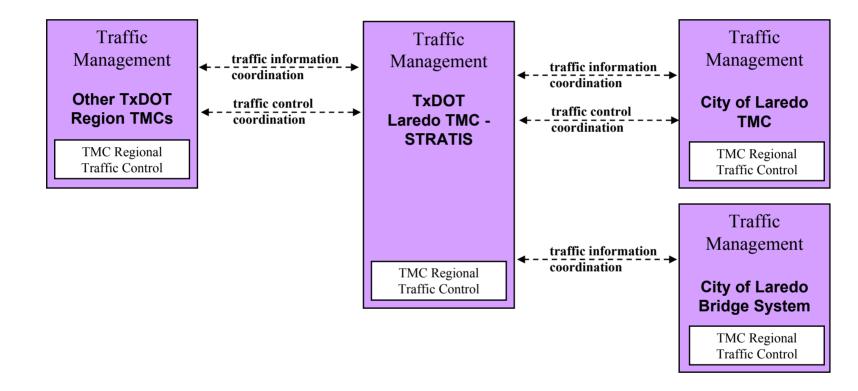


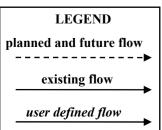
ATMS6 – Traffic Information Dissemination TxDOT Laredo TMC-STRATIS and City of Laredo TMC (TM to EM)

	City of Laredo TMC	TxDOT Laredo TMC
ARCHITECTURE FLOW \rightarrow	road network conditions	road network conditions
Emergency Management Center		
City of Laredo Airport PD	√	√
City of Laredo/Webb County EOC	√	√
City of Laredo Emergency Communications Center	√	√
City/County Public Safety Dispatch	√	\checkmark
DPS Communications Service	√	√
DPS Regional Disaster Communications Committee	\checkmark	\checkmark
Private Ambulance Dispatch Center	√	\checkmark
Private Tow/Wrecker Dispatch	√	√
Private Vehicle Emergency Systems	\checkmark	\checkmark
State EOC	√	\checkmark
US Border Patrol Dispatch Center	√	√
US Customs Dispatch Center		√



ATMS7 – Regional Traffic Control





ATMS8 – Incident Management System EM to MCM

Emergency Management	incident information + maint and constr resource request + incident response status	Maintenance and Construction Management
Emergency Response Management	incident information + maint and constr resource response	MCM Incident Management

Emergency Management Center	МСМ
City of Laredo Airport PD	
City of Laredo/Webb County EOC	1, 3, 4
City of Laredo Emergency Communications Center	1, 3, 4
City/County Public Safety Dispatch	3
DPS Communications Service	
DPS Regional Disaster Communications Committee	
Private Ambulance Dispatch Center	
Private Tow/Wrecker Dispatch	
Private Vehicle Emergency Systems	
State EOC	1
US Border Patrol Dispatch Center	
US Customs Dispatch Center	

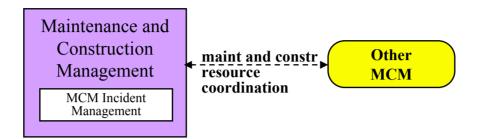
Maintenance and Construction Management (MCM)

- 1. TxDOT Area Office
- 2. TxDOT County Maintenance Sections
- 3. County Road and Bridge
- 4. City of Laredo PWD

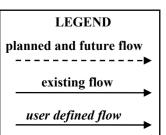
Requests for TxDOT County Maintenance Section go through the TxDOT Area Office.

LEGEND
planned and future flow
existing flow
user defined flow
user aejinea jiow

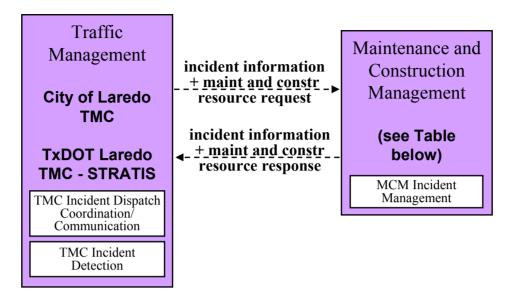
ATMS8 – Incident Management System (MCM to Other MCM)



Maintenance and Construction Management Centers	TxDOT Area Office	TxDOT County Maint Sections	County Road and Bridge	City of Laredo PWD
TxDOT Area Office		\checkmark	\checkmark	\checkmark
TxDOT County Maintenance Sections	\checkmark		\checkmark	\checkmark
County Road and Bridge	\checkmark	\checkmark		\checkmark
City of Laredo PWD	\checkmark	\checkmark	\checkmark	

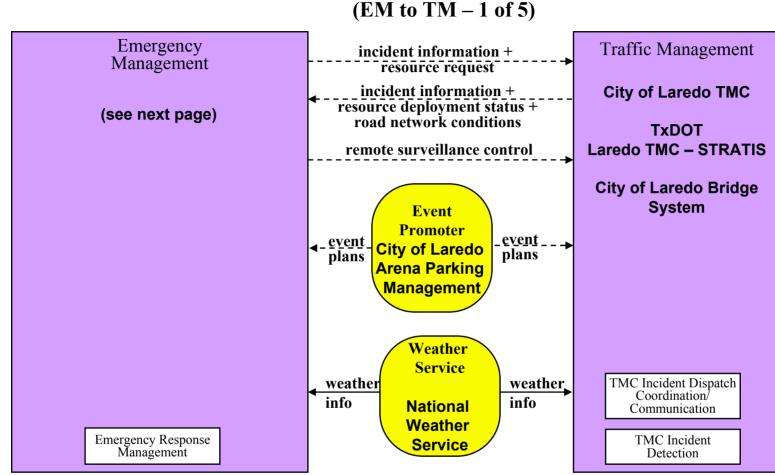


ATMS8 – Incident Management System (TM to MCM)

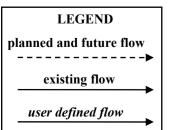


	City of Laredo TMC		TxDOT Laredo TMC	
ARCHITECTURE FLOW \rightarrow	incident information	maint and constr resource request + resource response	incident information	maint and constr resource request + resource response
Maintenance and Construction Mgmt Center				
TxDOT Area Office		√	\checkmark	\checkmark
TxDOT County Maintenance Sections			\checkmark	\checkmark
County Road and Bridge		\checkmark		
City of Laredo PWD	\checkmark	\checkmark		

LEGEND
planned and future flow
existing flow
user defined flow







ATMS8 – Incident Management System (EM to TM – 2 of 5)

	City of Laredo TMC		TxDOT Laredo TMC			
ARCHITECTURE FLOW \rightarrow	incd. info + road netw. conditions	resource request + resource depl. status	remote surveillance control	incd. info + road netw. conditions	resource request + resource depl. status	remote surveillance control
Emergency Management Center						
City of Laredo Airport PD	√			\checkmark		
City of Laredo/Webb County EOC	\checkmark		\checkmark	\checkmark		\checkmark
City of Laredo Emergency Communications Center	√	V	1	\checkmark	\checkmark	\checkmark
City/County Public Safety Dispatch	√			\checkmark		
DPS Communications Service	√			\checkmark		
DPS Regional Disaster Communications Committee	√			\checkmark		
Private Tow/Wrecker Dispatch	√			\checkmark		
Private Vehicle Emergency Systems				\checkmark		
State EOC	1	1			\checkmark	
US Border Patrol Dispatch Center				\checkmark		
US Customs Dispatch Center				\checkmark		

ATMS8 – Incident Management System (EM to TM – 3 of 5)

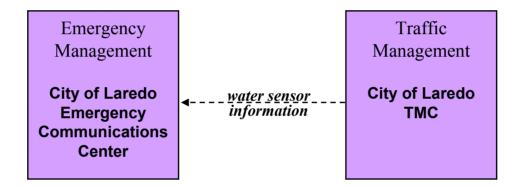
	City of Laredo Bridge System			
ARCHITECTURE FLOW \rightarrow	incd. info + road netw. conditions	resource request+ resource depl. status	remote surveillance control	
Emergency Management Center				
City of Laredo Airport PD				
City of Laredo/Webb County EOC				
City of Laredo Emergency Communications Center	\checkmark	\checkmark	\checkmark	
City/County Public Safety Dispatch				
DPS Communications Service				
DPS Regional Disaster Communications Committee				
Private Tow/Wrecker Dispatch				
Private Vehicle Emergency Systems				
State EOC				
US Border Patrol Dispatch Center				
US Customs Dispatch Center				

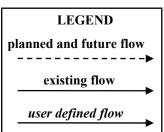
City of Laredo Bridge System communicates with other EMs via City of Laredo Emergency Communications Center.

	City of Laredo Arena	National Weather
TERMINATOR \rightarrow		Service
ARCHITECTURE FLOW \rightarrow	event plans	weather info
Emergency Management Center		
City of Laredo Airport PD	\checkmark	\checkmark
City of Laredo Emergency Communications Center	\checkmark	\checkmark
City of Laredo/Webb County EOC	\checkmark	\checkmark
City/County Public Safety Dispatch	\checkmark	\checkmark
DPS Communications Service	\checkmark	\checkmark
DPS Regional Disaster Communications Committee		
Private Tow/Wrecker Dispatch		
Private Vehicle Emergency Systems		
State EOC		
US Border Patrol Dispatch Center		\checkmark
US Customs Dispatch Center		\checkmark
Traffic Management Center		
City of Laredo TMC	\checkmark	\checkmark
TxDOT Laredo TMC-STRATIS	1	1
City of Laredo Bridge System	1	\checkmark

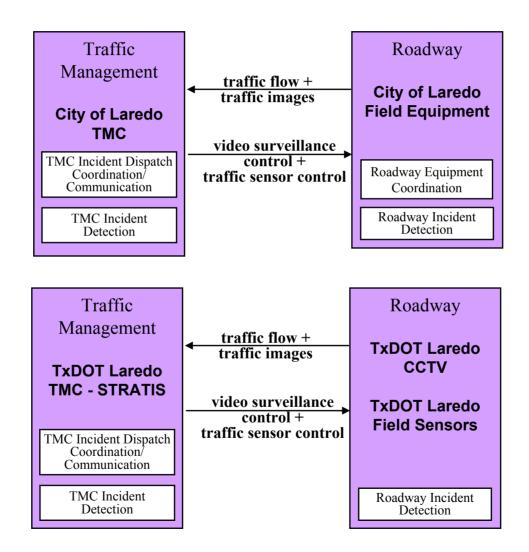
ATMS8 – Incident Management System (EM to TM – 4 of 5)

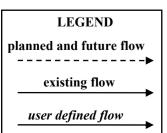
ATMS8 – Incident Management System (EM to TM – 5 of 5) City of Laredo TMC to City of Laredo Emergency Communications Center Water Sensor Monitoring



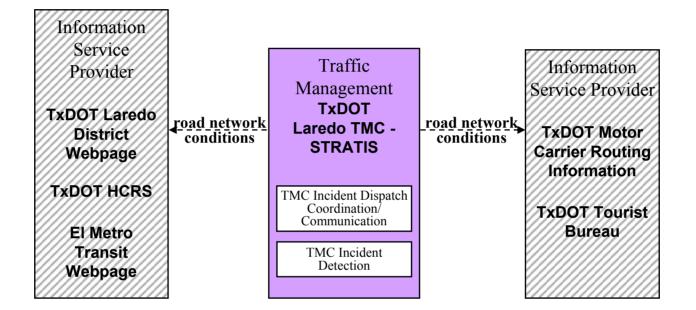


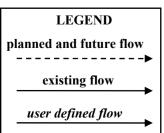
ATMS8 – Incident Management System City of Laredo TMC/ TxDOT TMC Roadside Element Interface



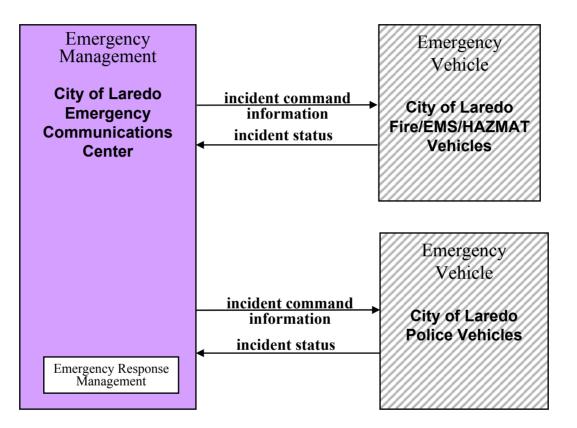


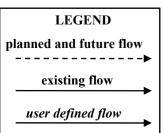
ATMS8 – Incident Management System (TM to ISP) TxDOT Laredo TMC-STRATIS



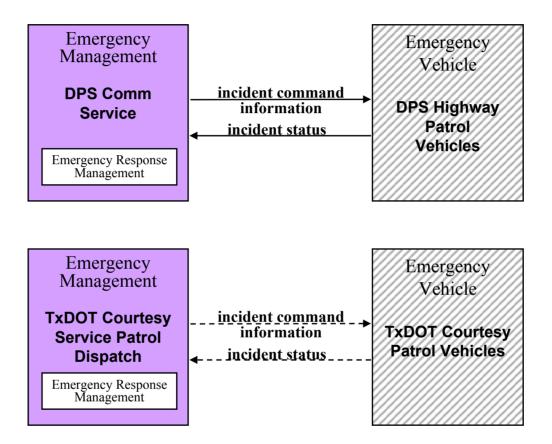


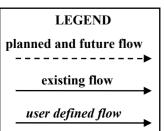
ATMS8 – Incident Management System (EM to EV) City of Laredo Emergency Communications Center



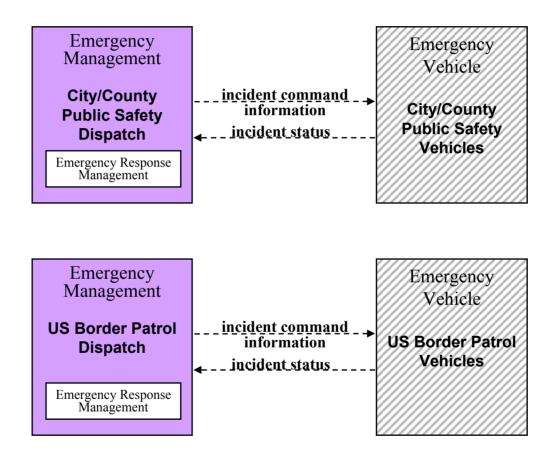


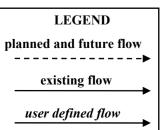
ATMS8 – Incident Management System (EM to EV) DPS Comm Dispatch, TxDOT Courtesy Patrol



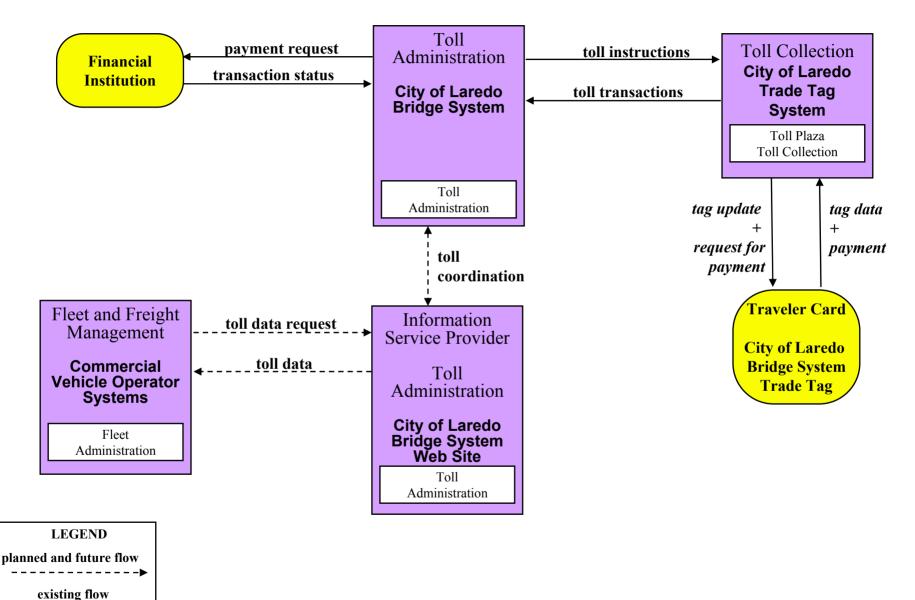


ATMS8 – Incident Management System (EM to EV) City/County Public Safety, US Border Patrol



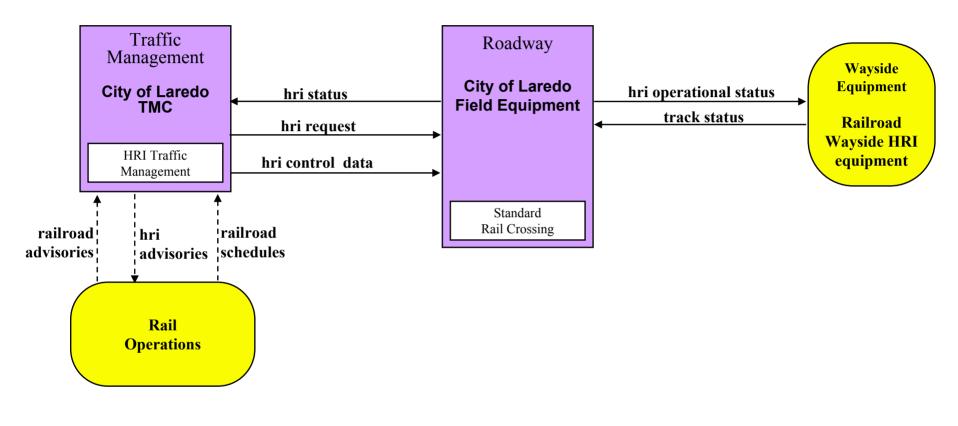


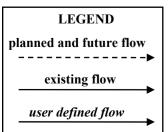
ATMS10 - Electronic Toll Collection



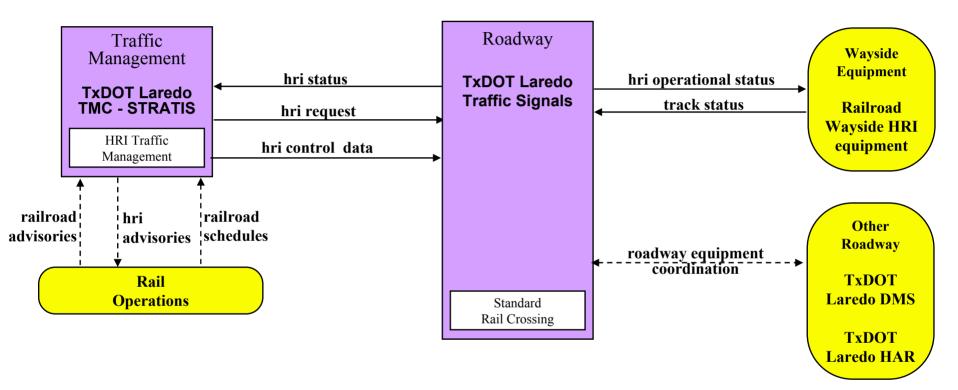
user defined flow

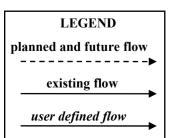
ATMS13/ATMS15 - Standard Railroad Grade Crossing / Railroad Operations Coord City of Laredo



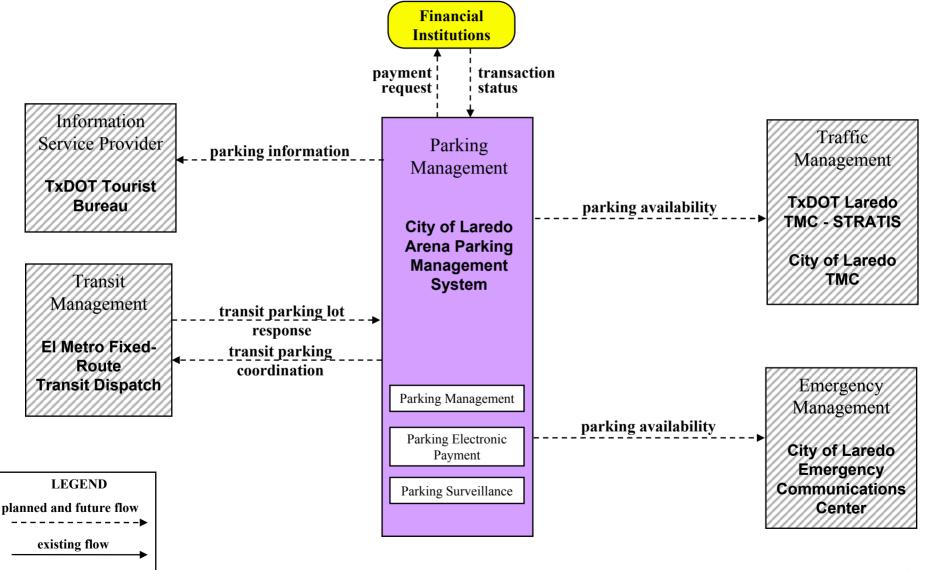


ATMS13/ATMS 15 - Standard Railroad Grade Crossing/ Railroad Operations Coord TxDOT Laredo TMC- STRATIS



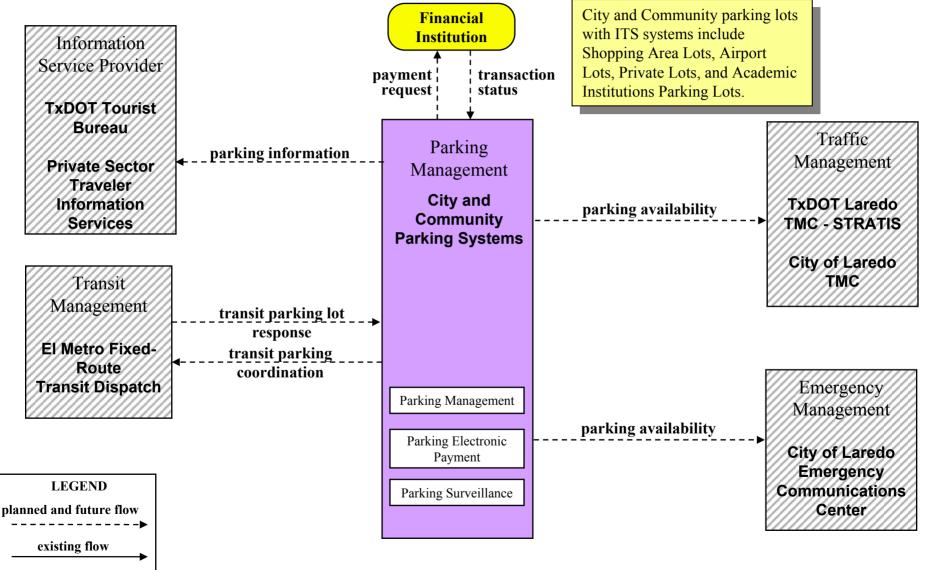


ATMS16/17 – Parking Facility Management/ Regional Parking Mgmt City of Laredo Arena Parking System



user defined flow

ATMS16/17 – Parking Facility Management/ Regional Parking Mgmt



user defined flow