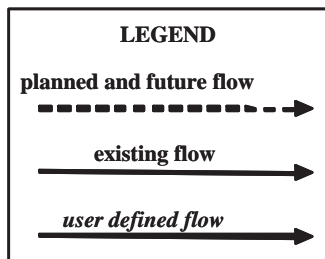
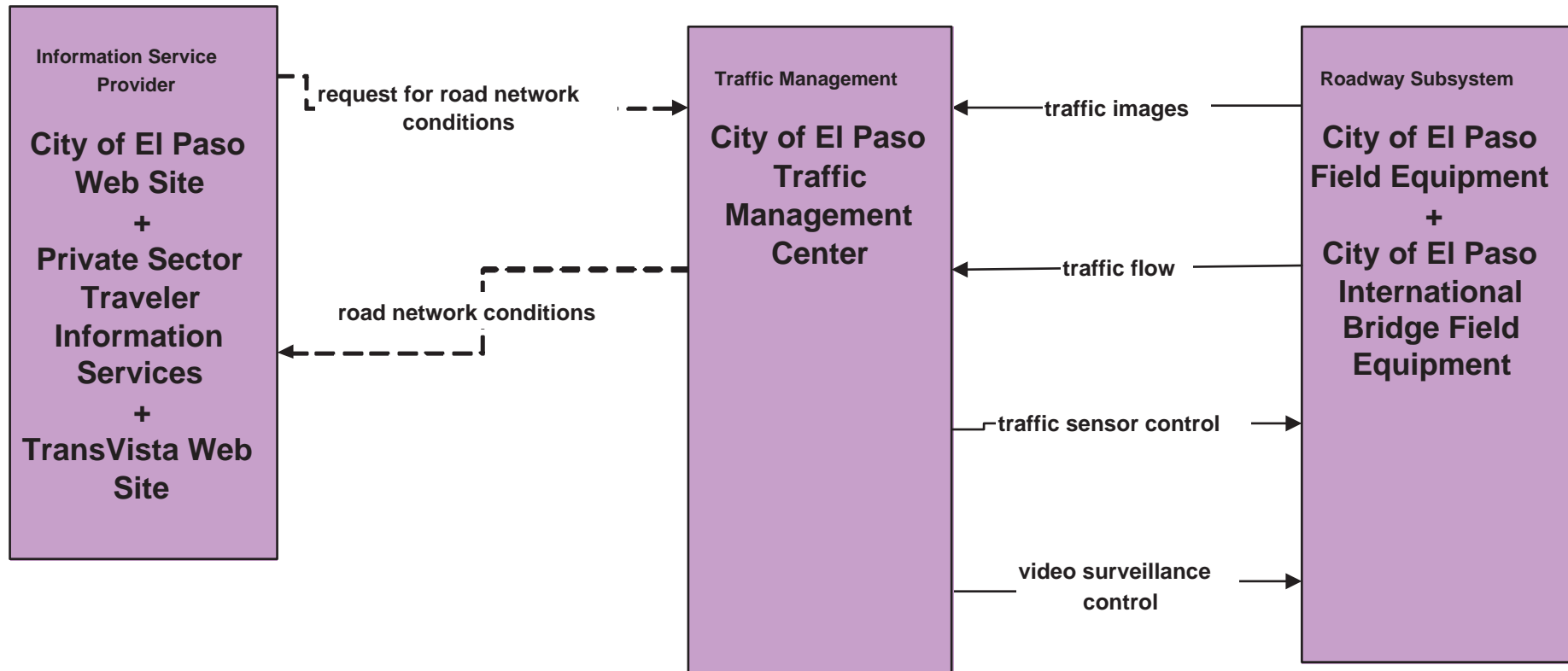


El Paso Regional ITS Architecture

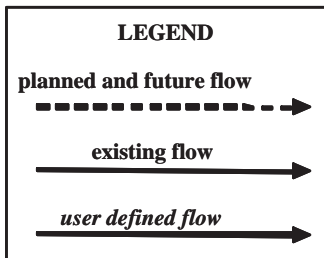
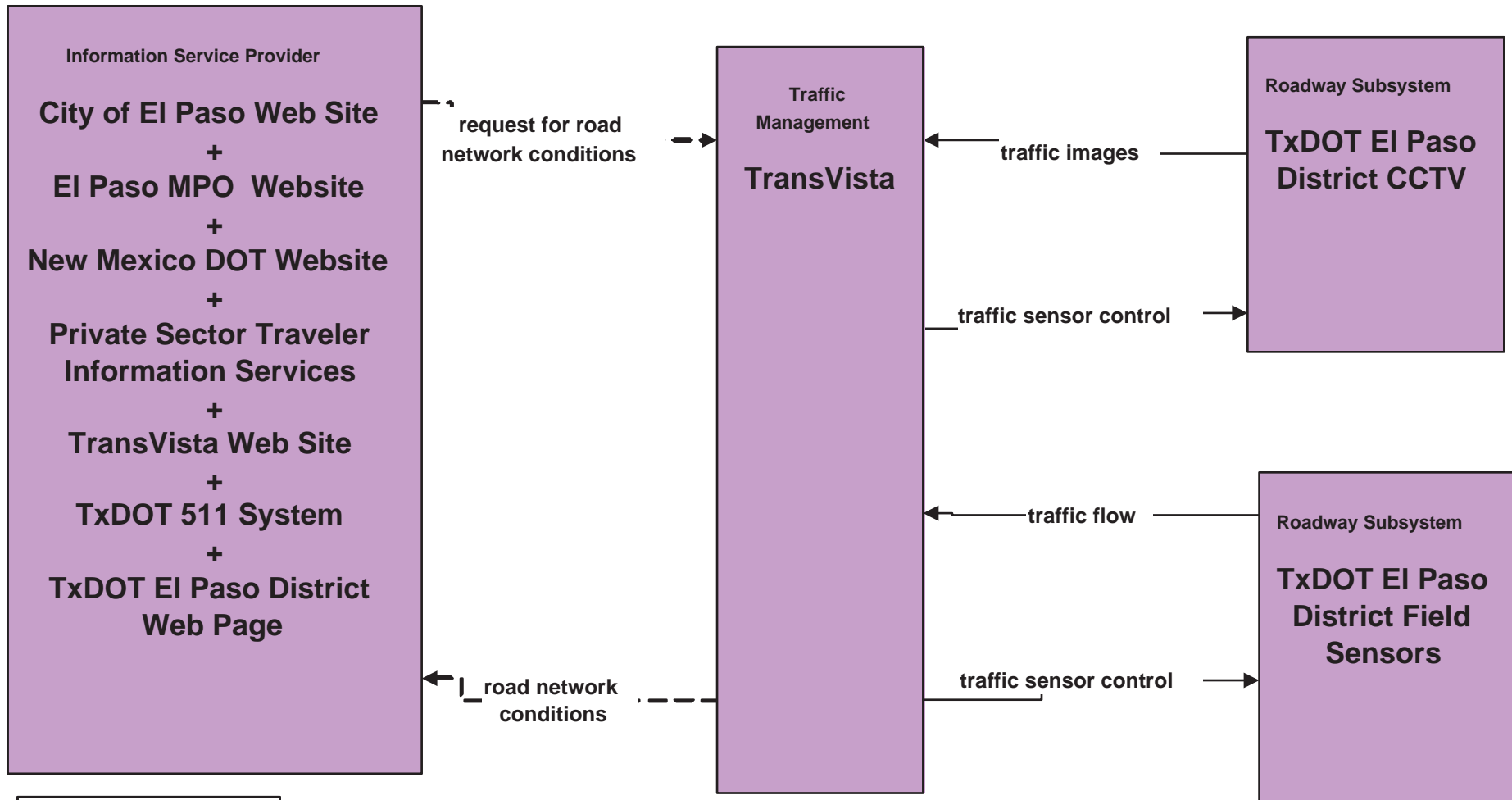
Customized Market Package Diagrams

**Advanced Traffic Management Systems
(ATMS)**

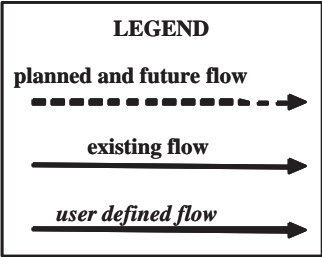
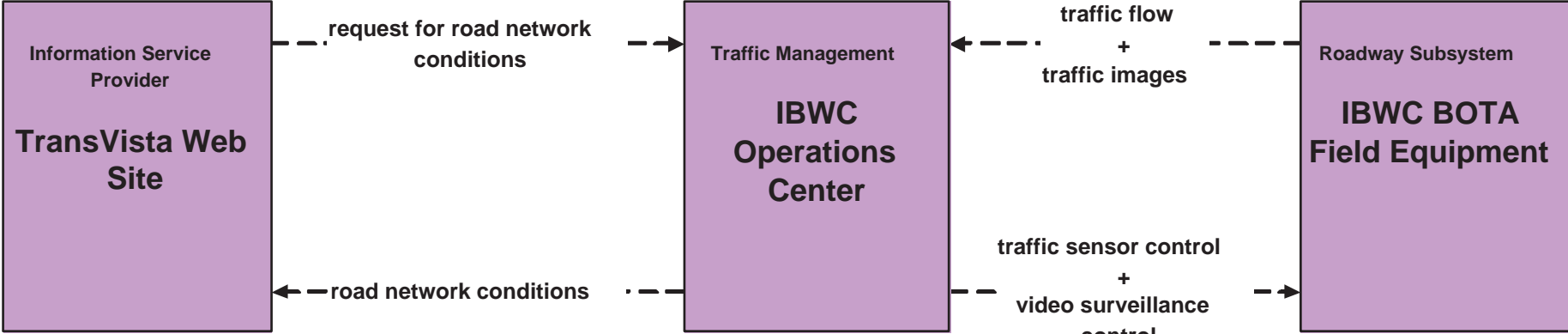
ATMS01 - Network Surveillance
City of El Paso Traffic Management Center



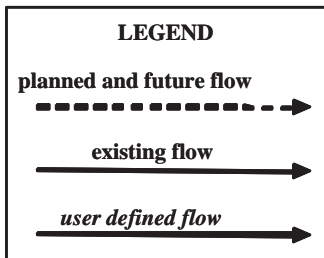
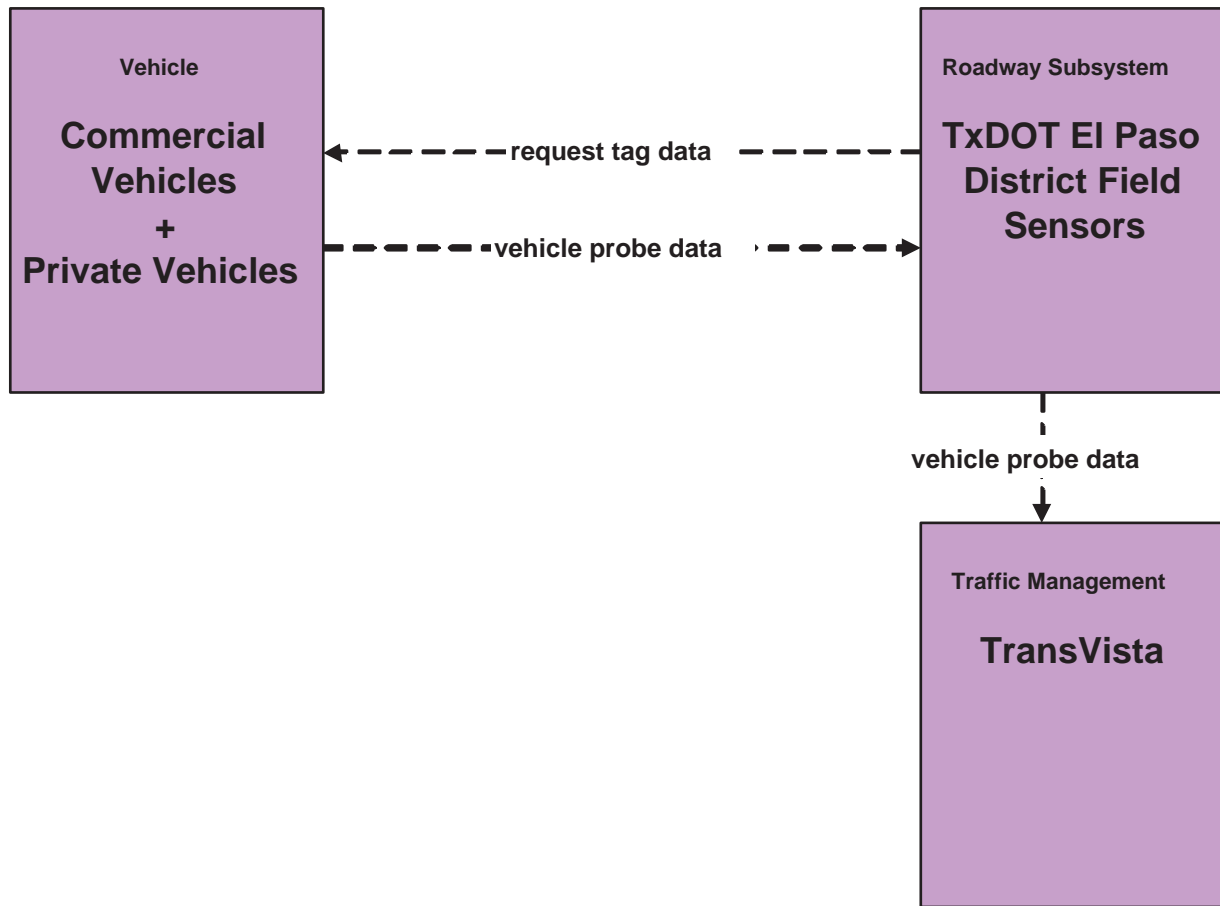
ATMS01 - Network Surveillance TransVista



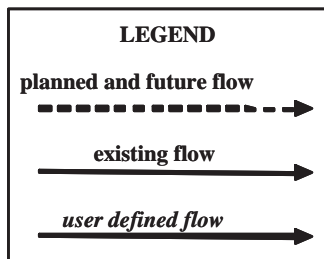
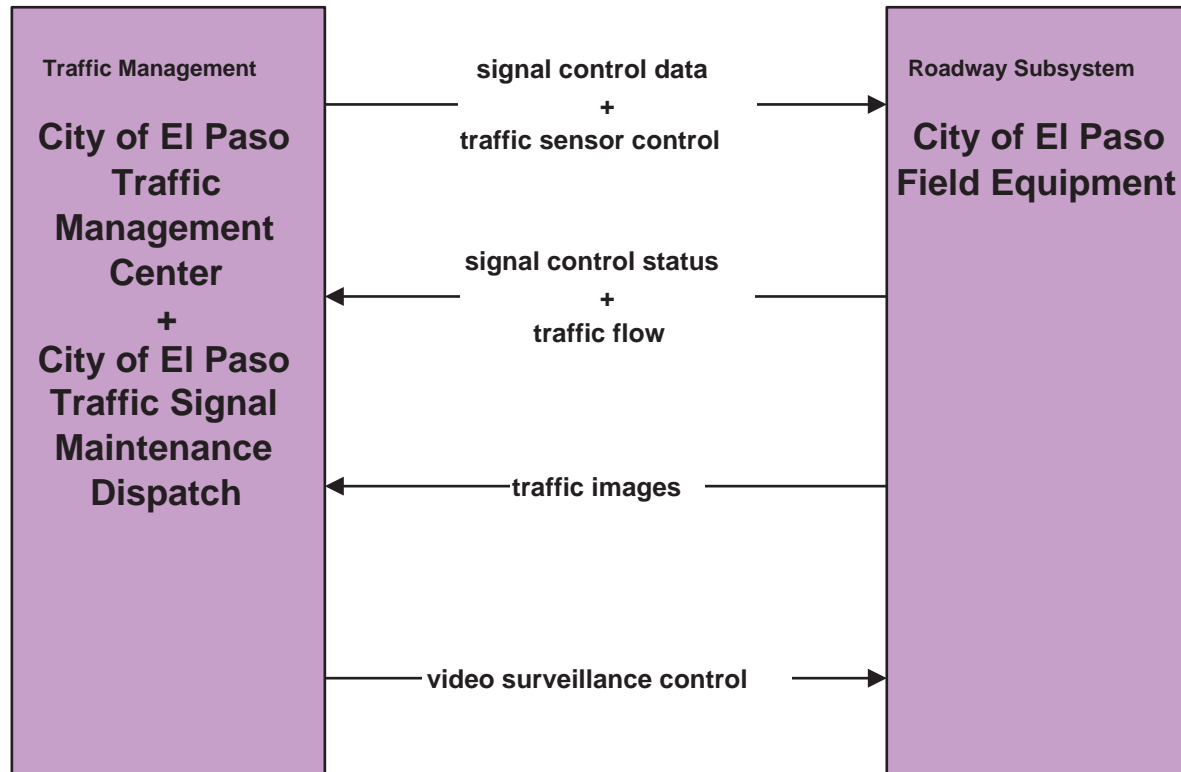
**ATMS01 - Network Surveillance
IBWC Operations Center**



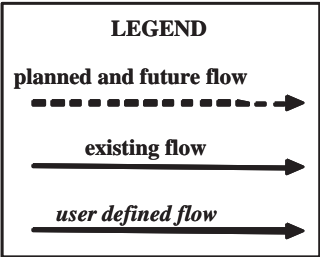
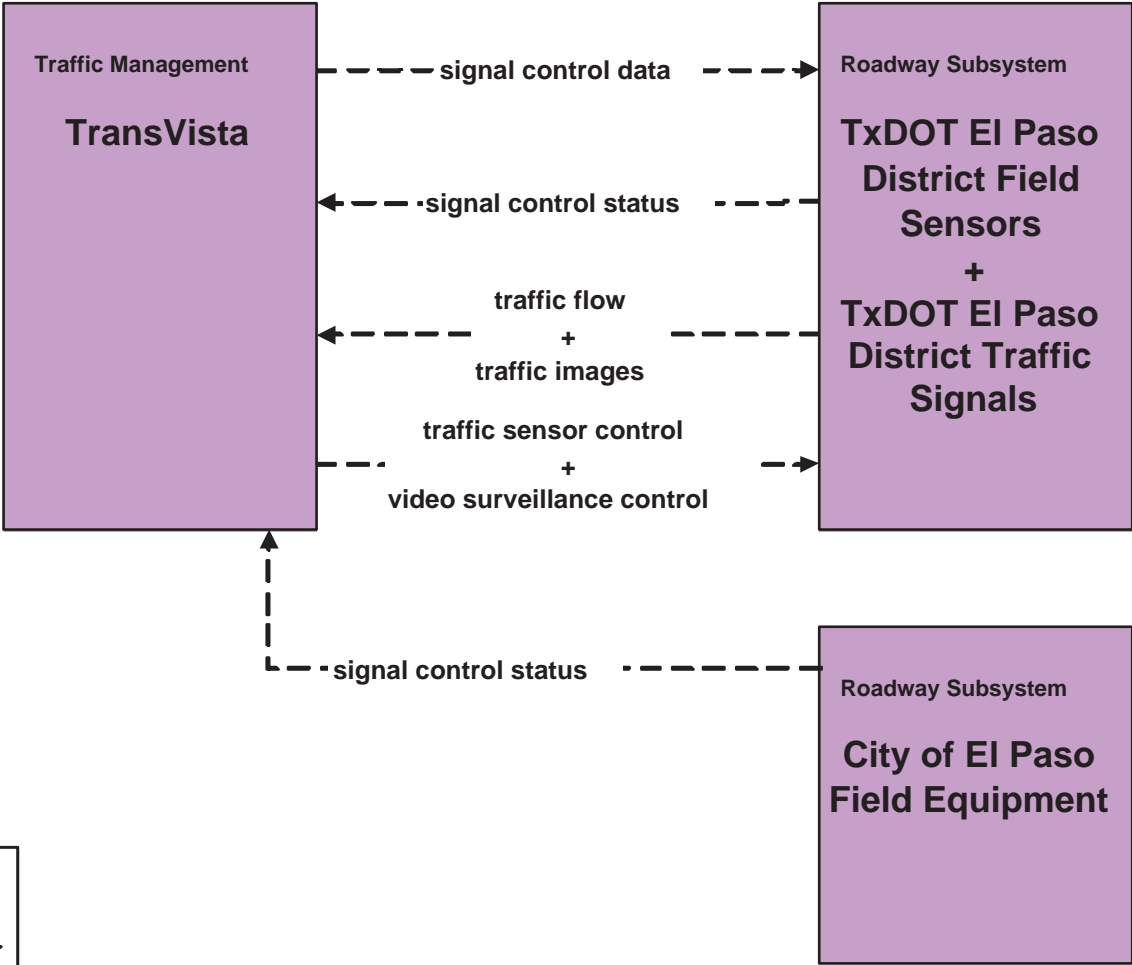
**ATMS02 - Probe Surveillance
TxDOT El Paso District**



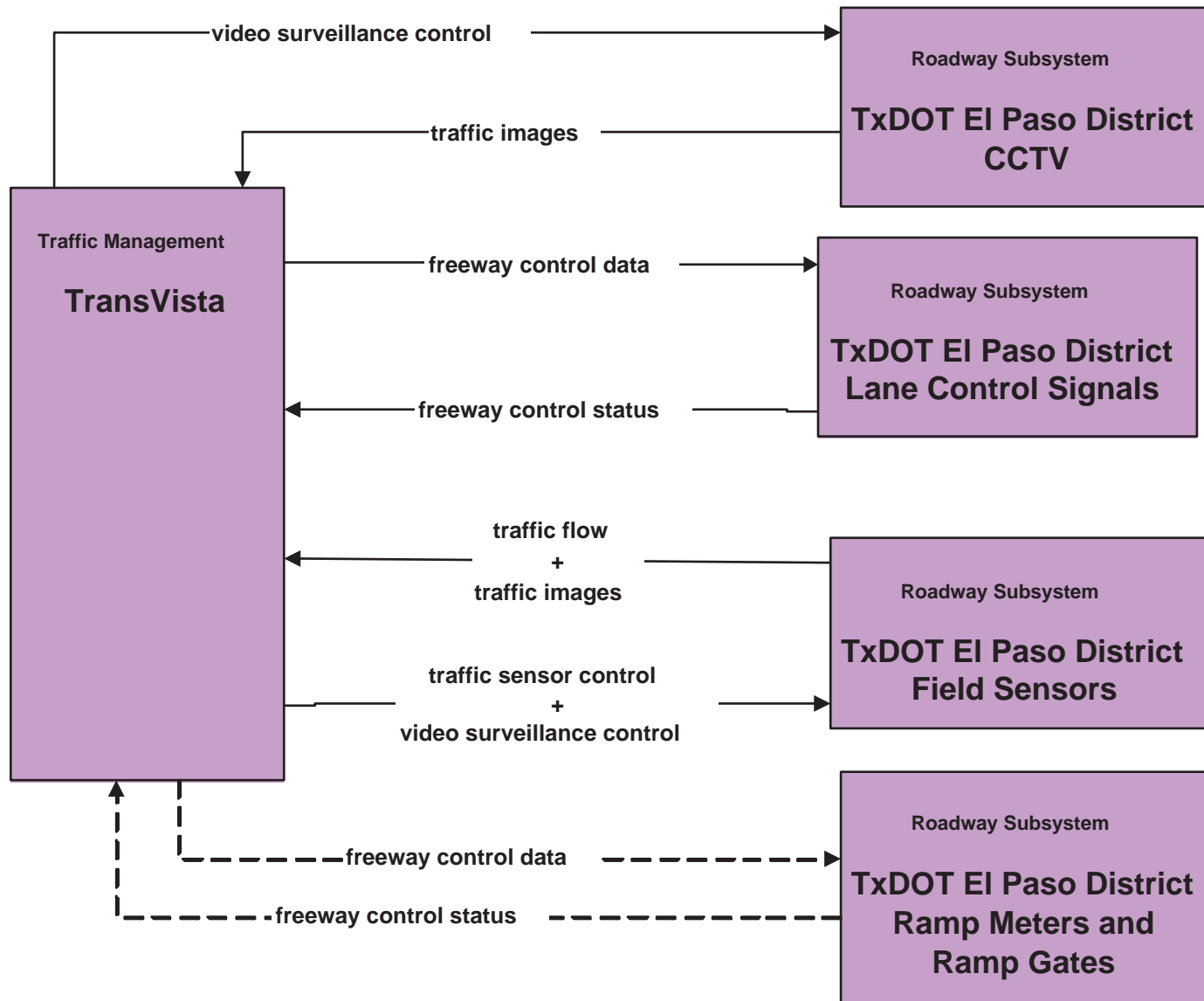
ATMS03 - Surface Street Control
City of El Paso Traffic Management Center



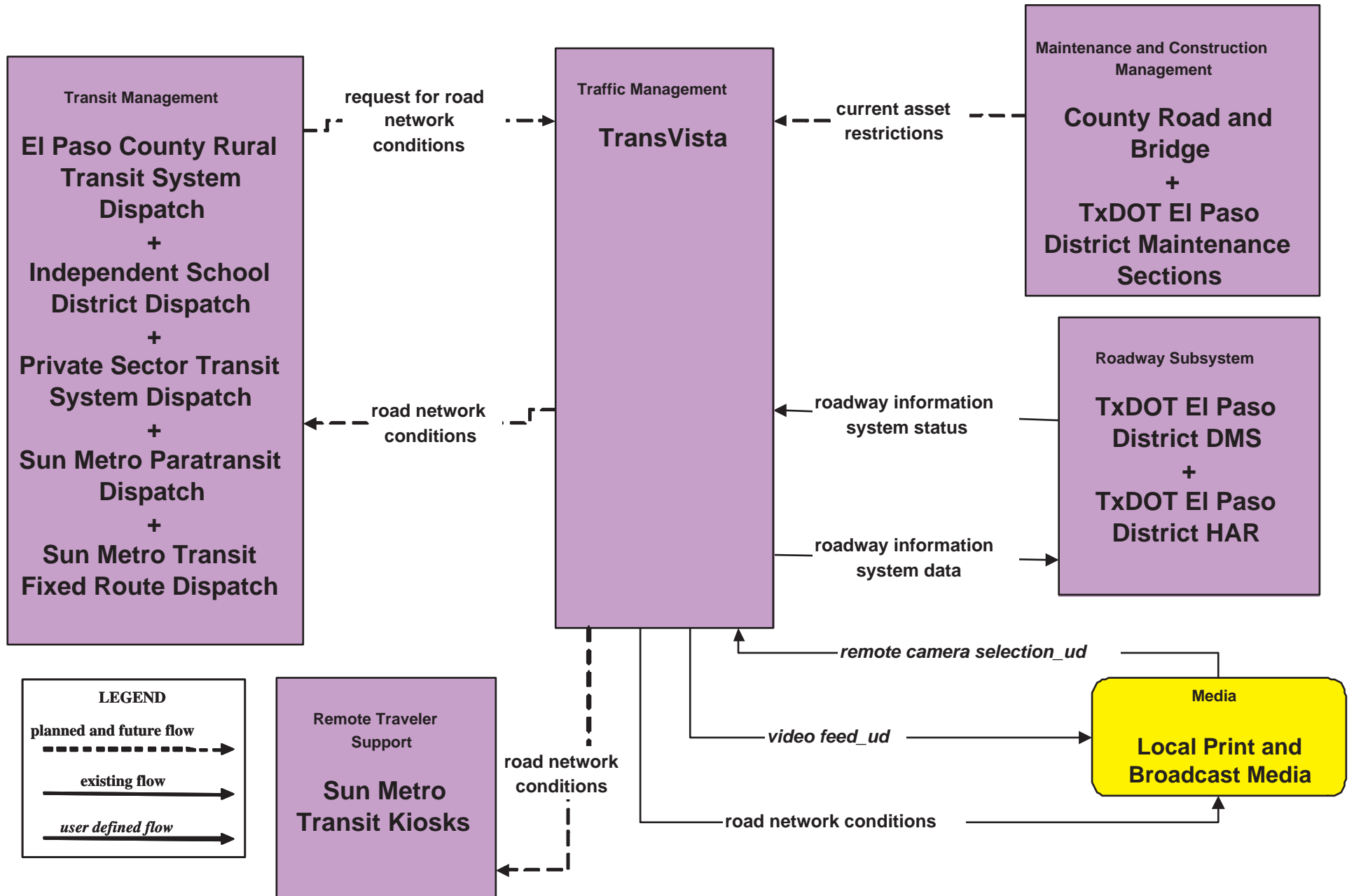
**ATMS03 - Surface Street Control
TransVista**



ATMS04 - Freeway Control TransVista



ATMS06 - Traffic Information Dissemination TransVista



**ATMS06 - Traffic Information Dissemination
TransVista (TM to EM / ISP)**

Emergency Management

City of El Paso EOC
+
DPS Communications Service
+
FBI El Paso Dispatch
+
Fort Bliss Operations Center
+
NM State Police Dispatch
+
Private Tow/Wrecker Dispatch

Emergency Management

**City of El Paso 911
Communications Center**
+
**City of El Paso Fire and FMS
Dispatch**

Traffic
Management

TransVista

Information Service Provider

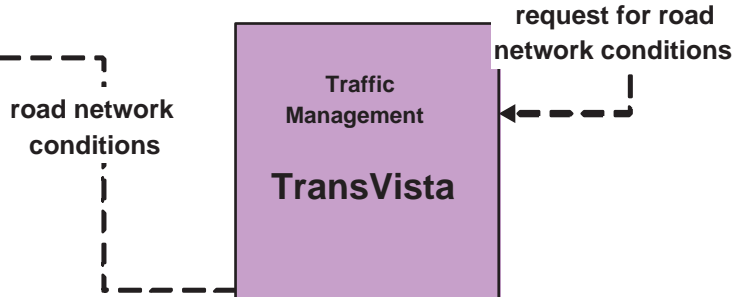
**Private Sector
Traveler Information
Services**
+
TransVista Web Site
+
TxDOT 511 System
+
**TxDOT El Paso
District Public
Information Office**
+
**TxDOT El Paso
District Web Page**

LEGEND

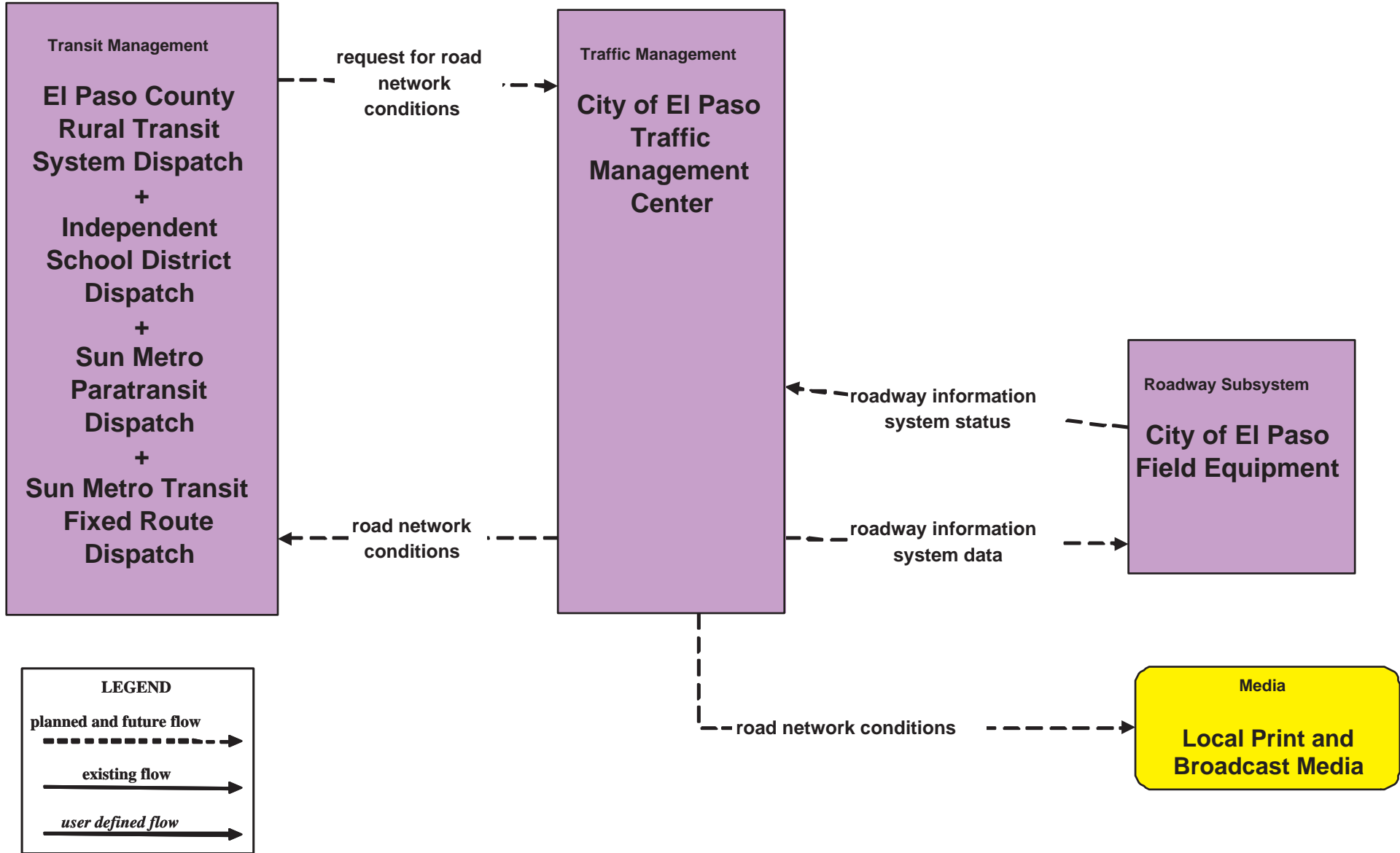
planned and future flow
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existing flow
————>

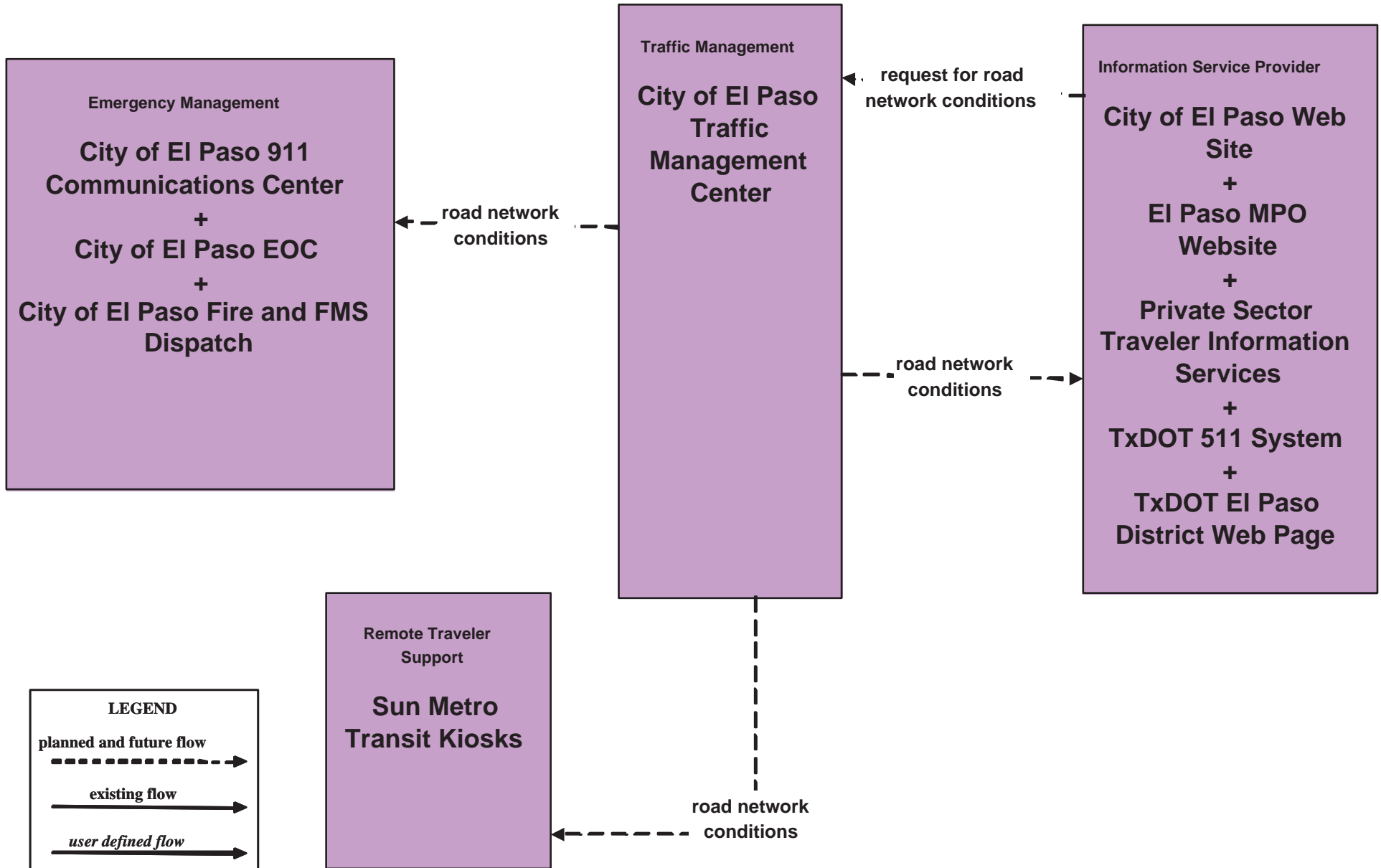
user defined flow
————>



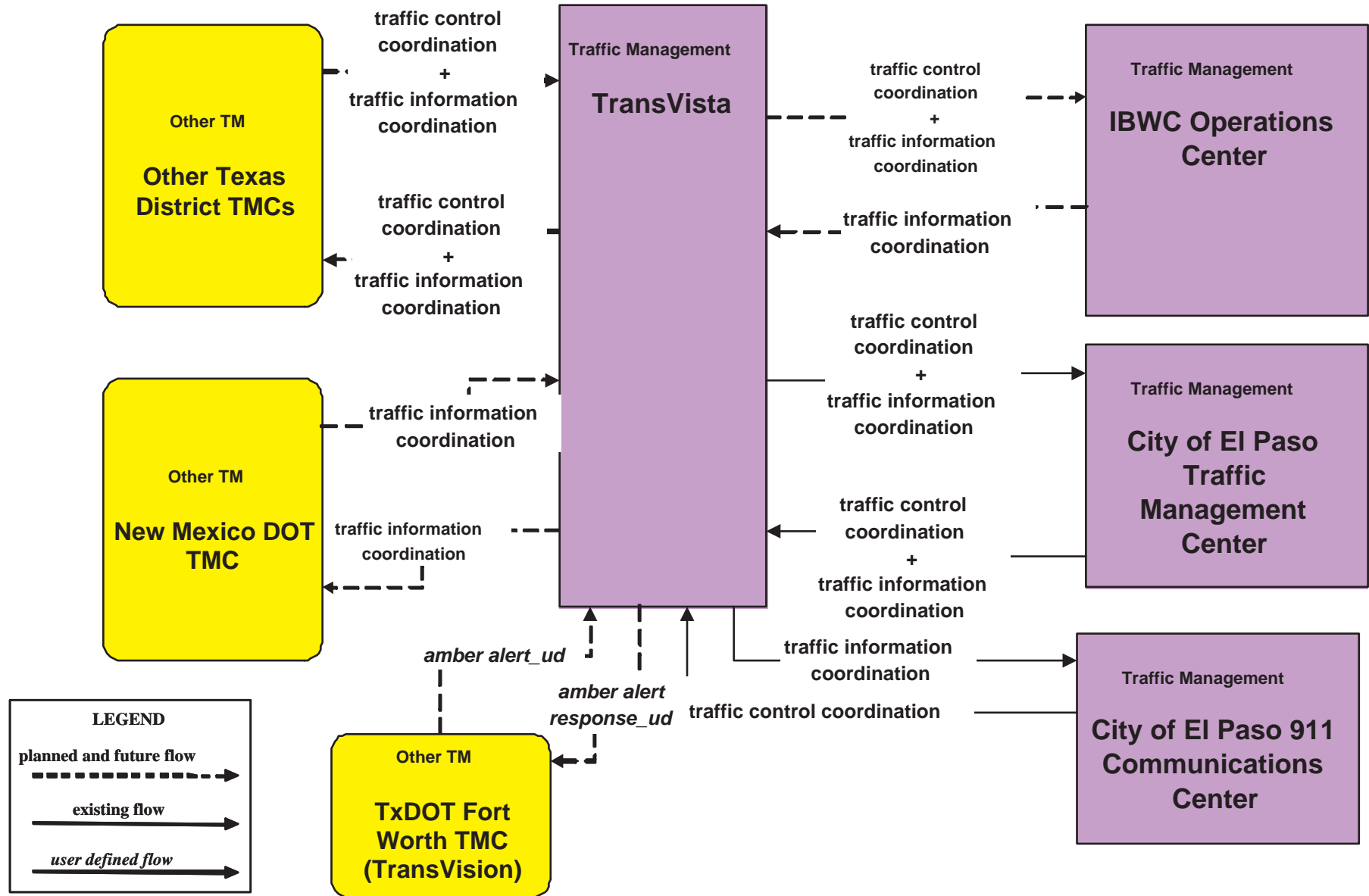
**ATMS06 - Traffic Information Dissemination
City of El Paso Traffic Management Center**



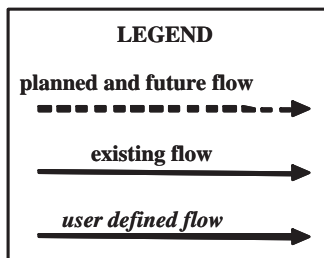
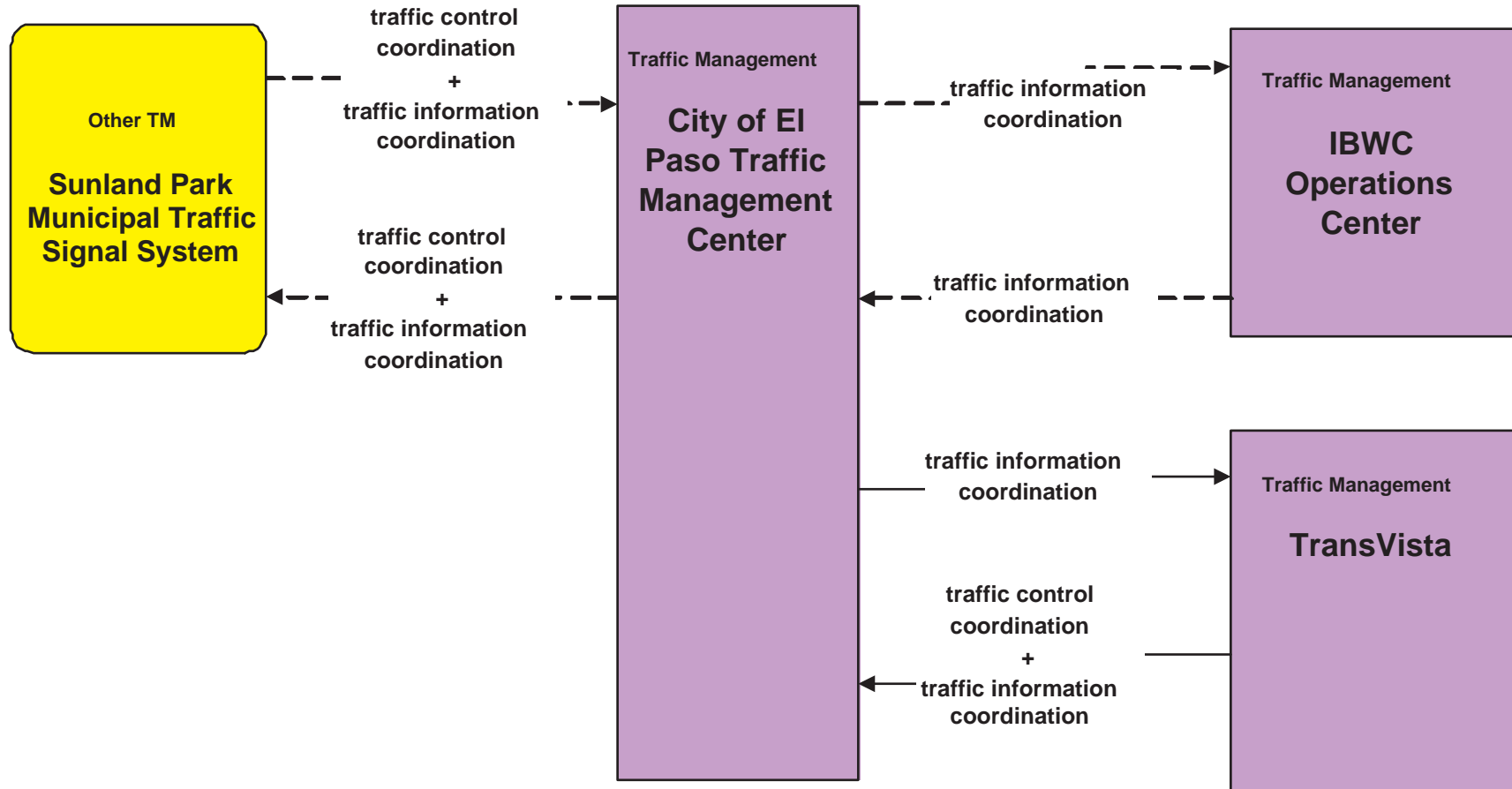
ATMS06 - Traffic Information Dissemination
City of El Paso Traffic Management Center (TM to EM / ISP)



ATMS07 - Regional Traffic Information TransVista



**ATMS07 - Regional Traffic Information
City of El Paso Traffic Management Center**



ATMS08 - Incident Management
City of El Paso Traffic Management Center (TM to EM)

Emergency Management

**City of El Paso 911
 Communications Center**

+

City of El Paso EOC

+

**City of El Paso Fire and FMS
 Dispatch**

+

Fort Bliss Operations Center

+

**US BCBP Bridge Operations
 Office**

+

US BCBP CASC

incident information
 +
 incident response status
 +
 remote surveillance control
 +
 resource request



Traffic Management

**City of El Paso
 Traffic
 Management
 Center**

incident information
 +
 incident information request
 +
 resource deployment status
 +
 road network conditions



Event Promoters

**El Paso
 Convention and
 Visitors Bureau
 +
 Regional Event
 Facilities**



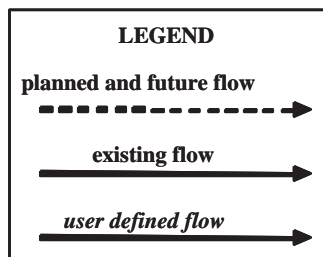
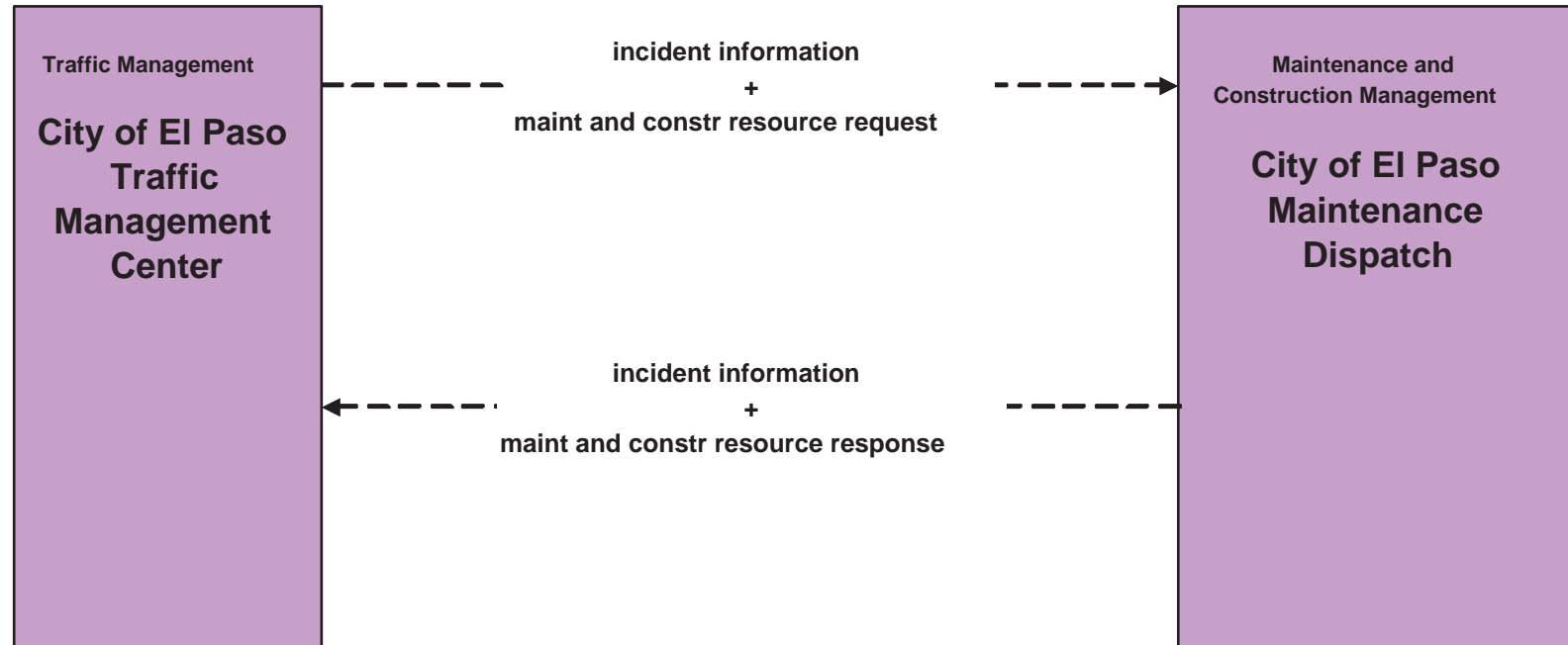
LEGEND

planned and future flow

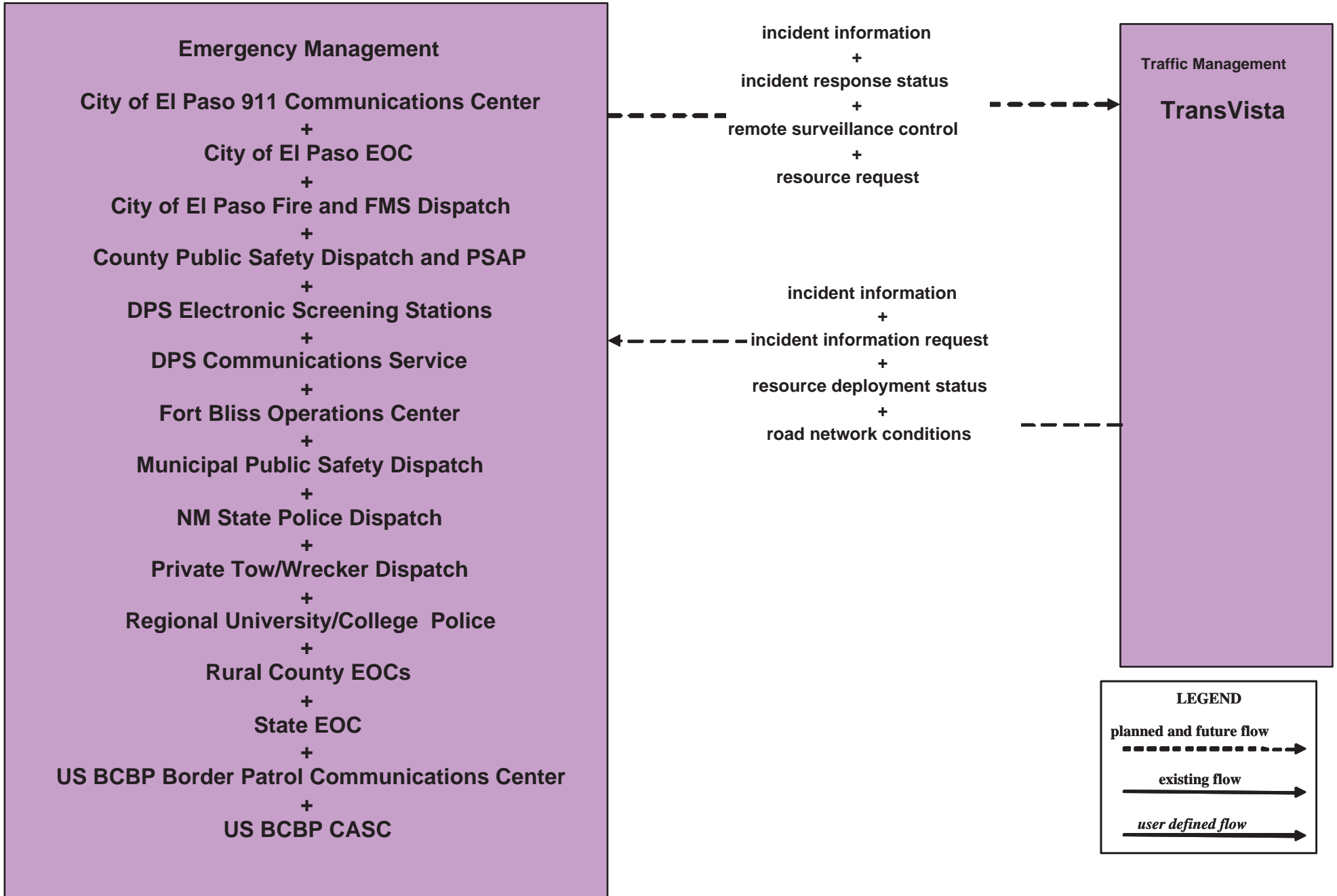
existing flow

user defined flow

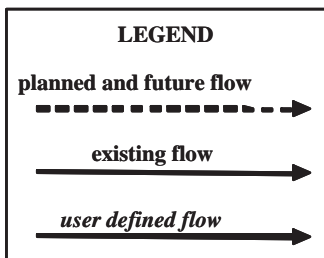
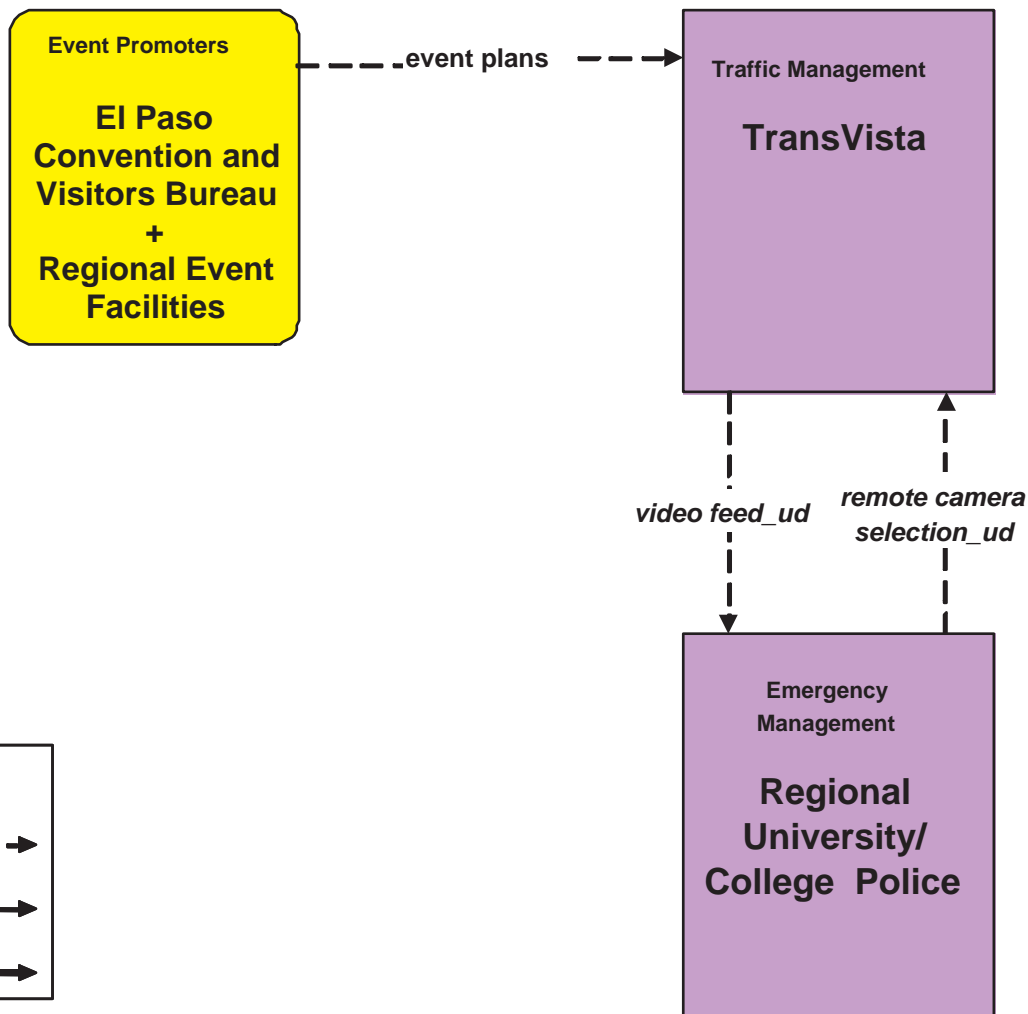
ATMS08 - Incident Management
City of El Paso Traffic Management Center (TM to MCM)



**ATMS08 - Incident Management
TransVista (TM to EM)**



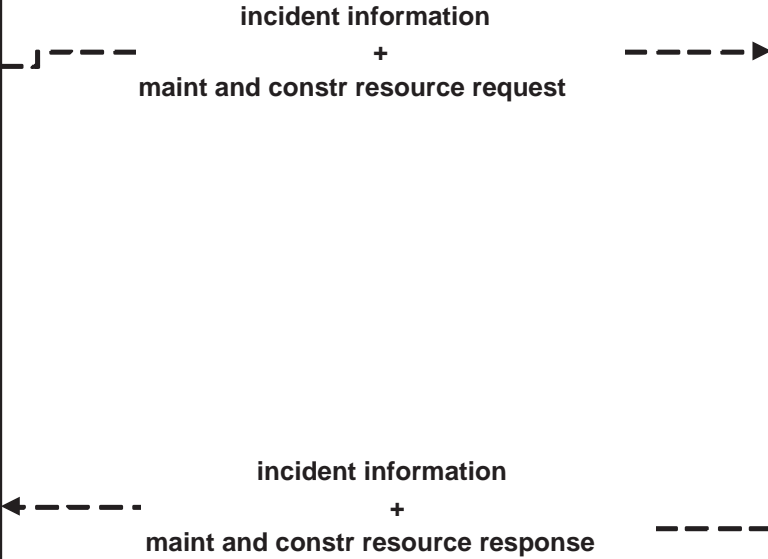
**ATMS08 - Incident Management
TransVista (TM to EM)**



**ATMS08 - Incident Management
TransVista (TM to MCM)**

Traffic Management
TransVista

Maintenance and Construction
Management
**City of El Paso
Maintenance Dispatch
+
County Road and
Bridge
+
Other TxDOT District
Maintenance Sections
+
TxDOT El Paso District
Maintenance Sections**



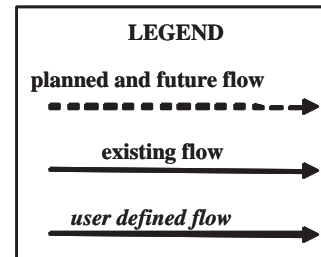
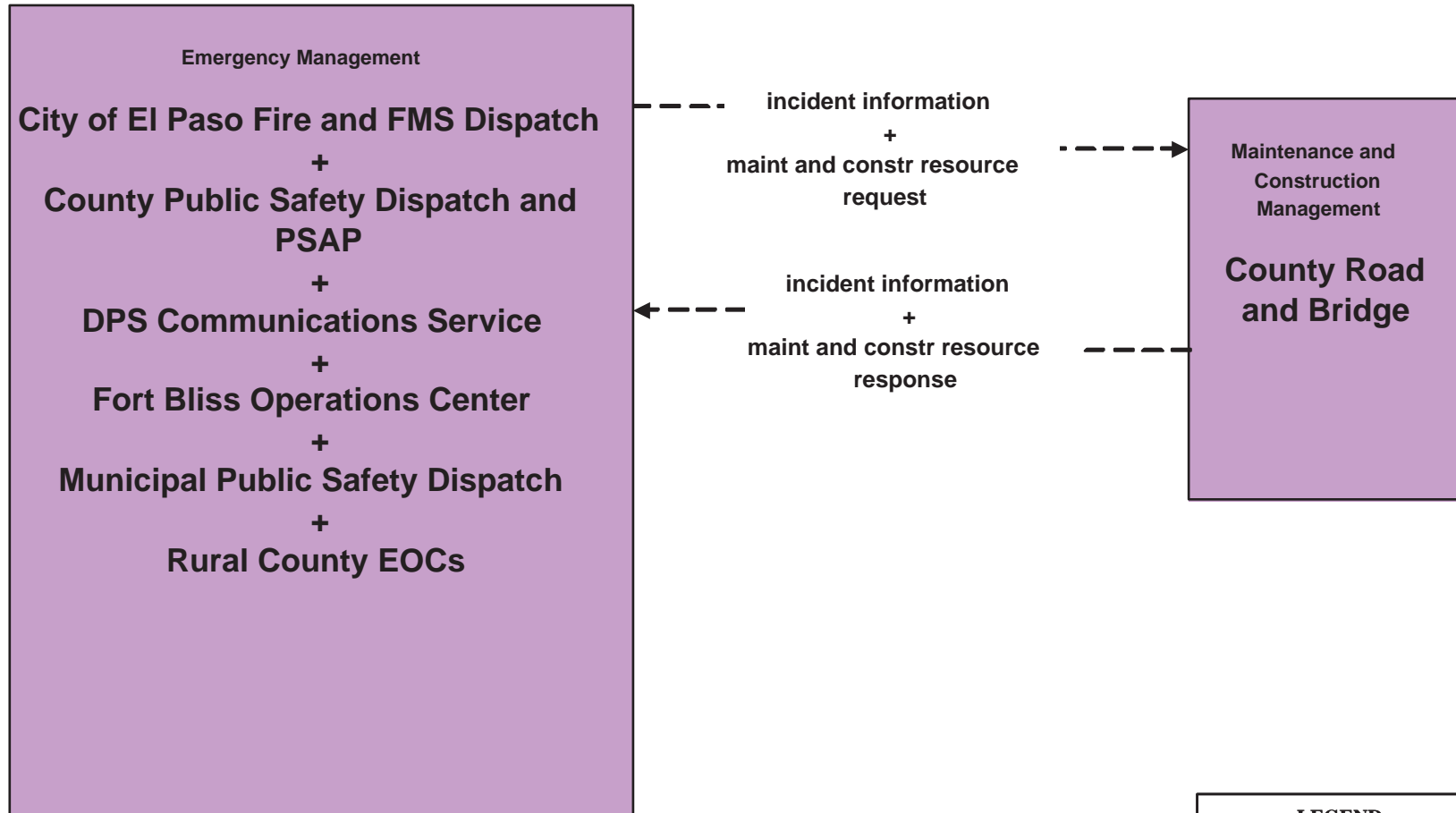
LEGEND

planned and future flow
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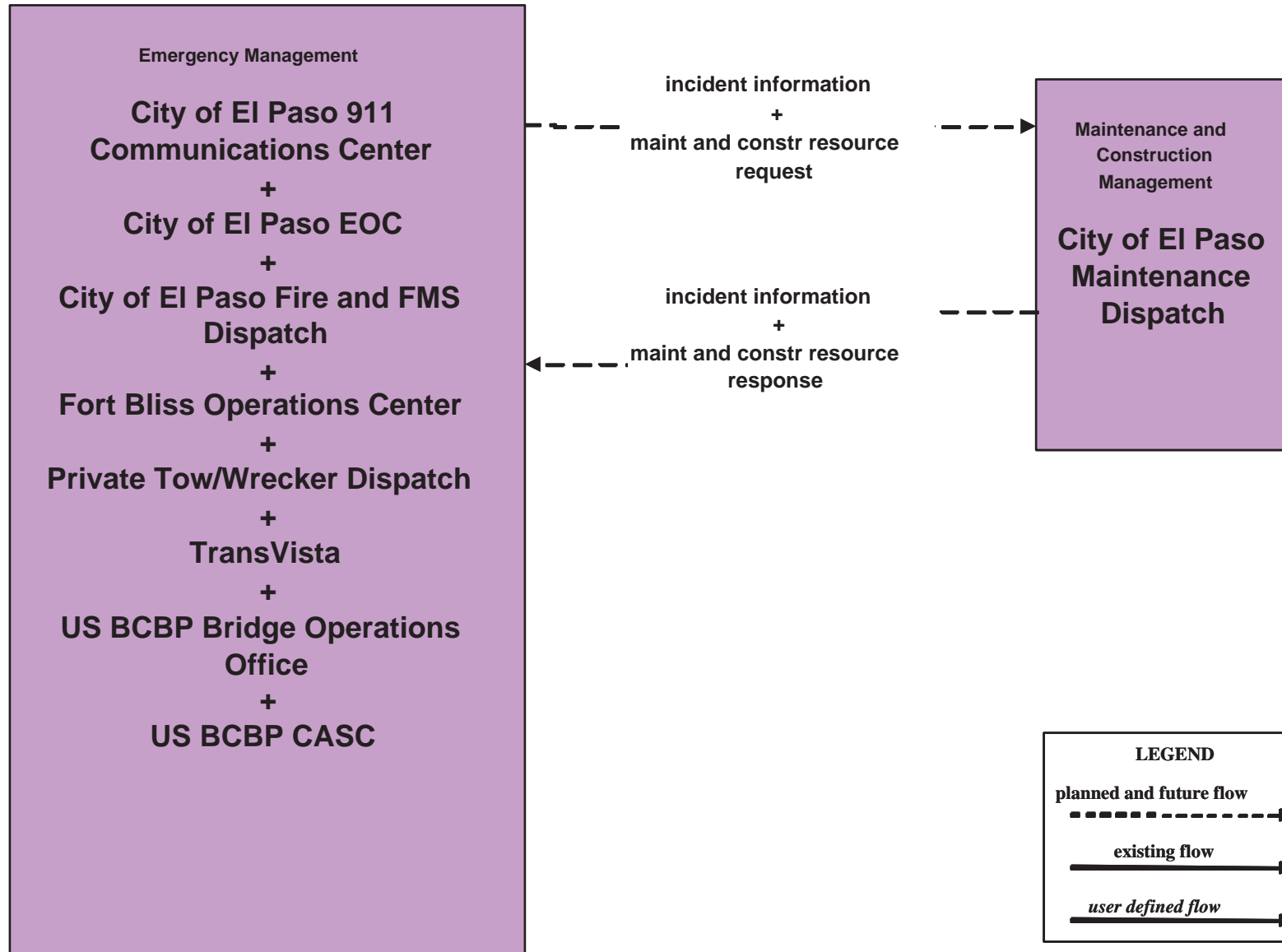
existing flow
————>

user defined flow
————>

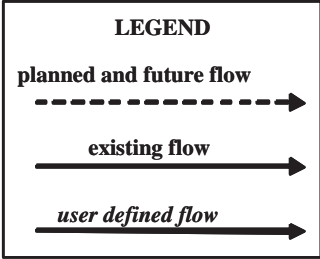
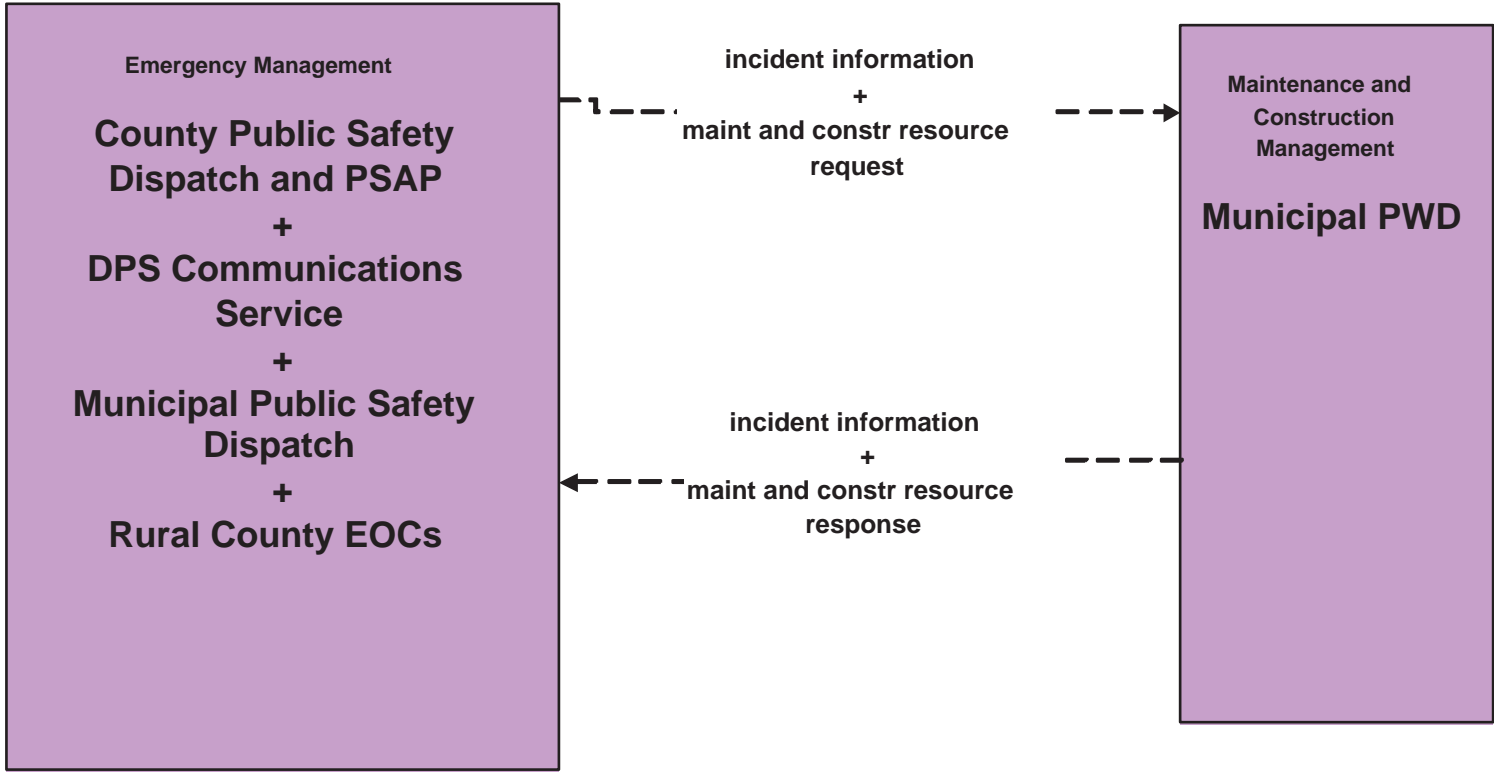
**ATMS08 - Incident Management
County Road and Bridge (MCM to EM)**



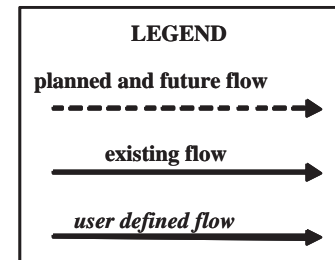
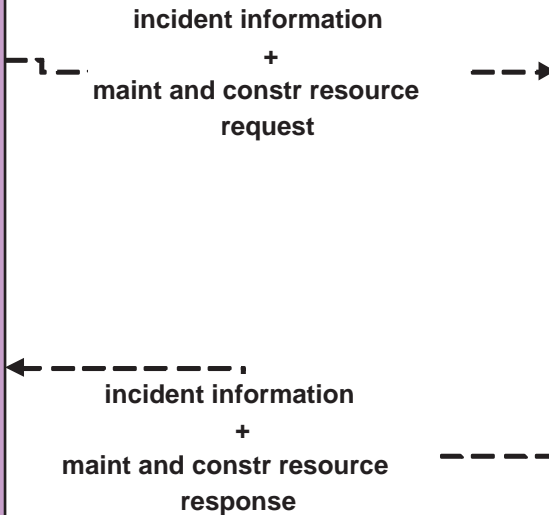
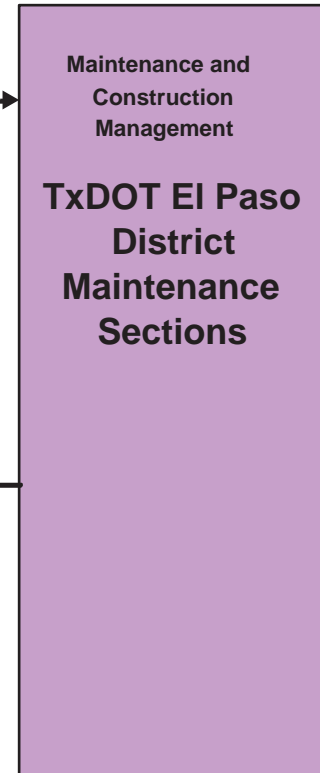
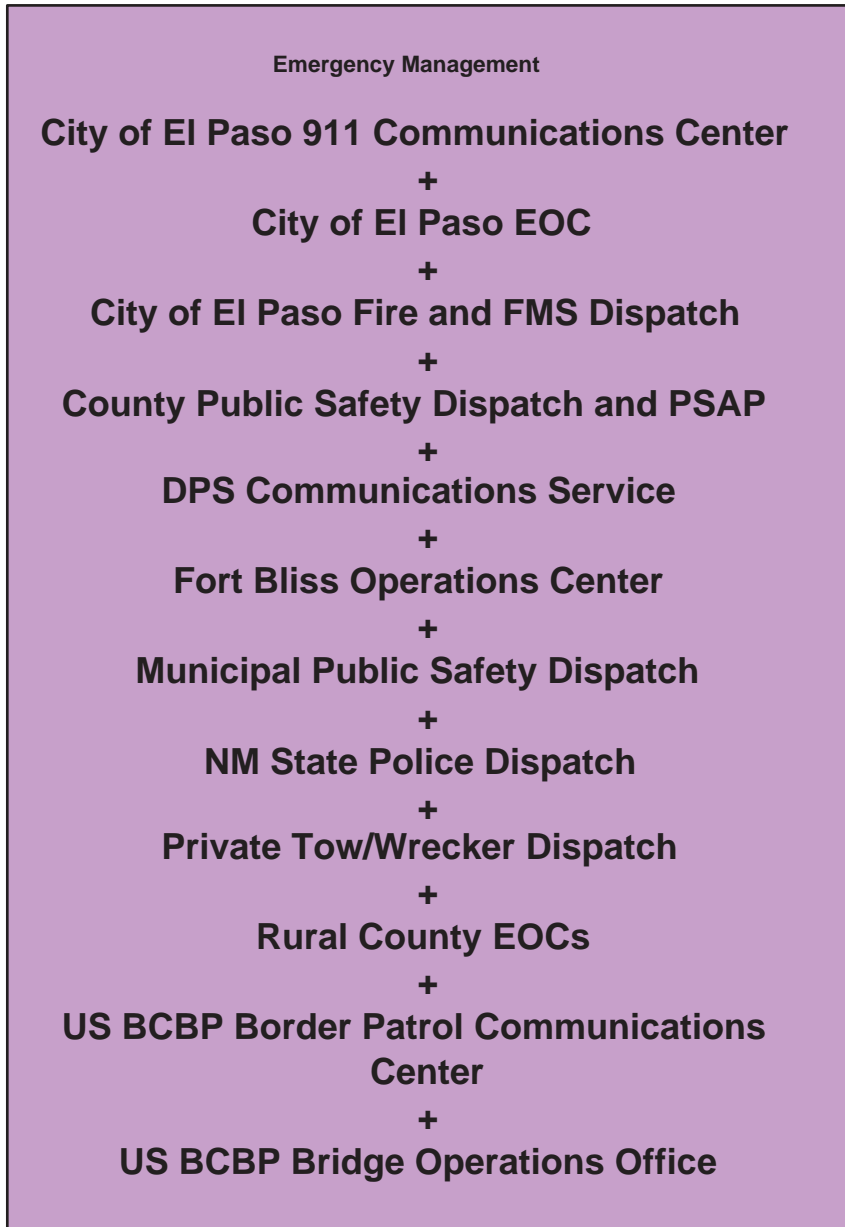
ATMS08 - Incident Management
City of El Paso Maintenance (MCM to EM)



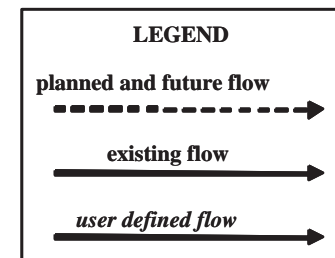
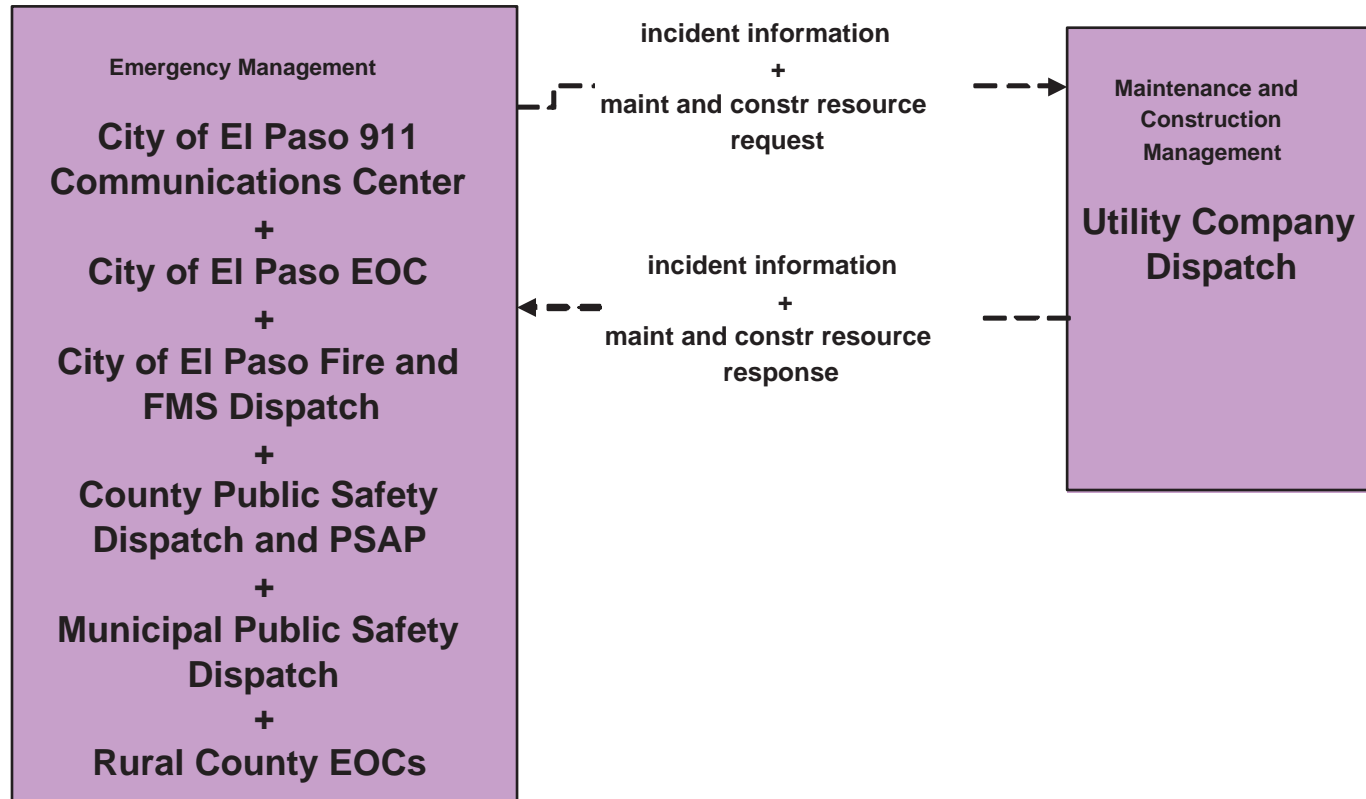
**ATMS08 - Incident Management
Municipal PWD (MCM to EM)**



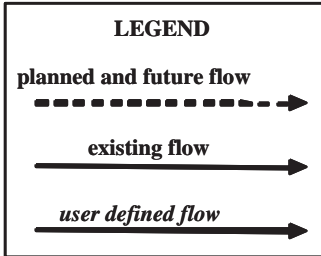
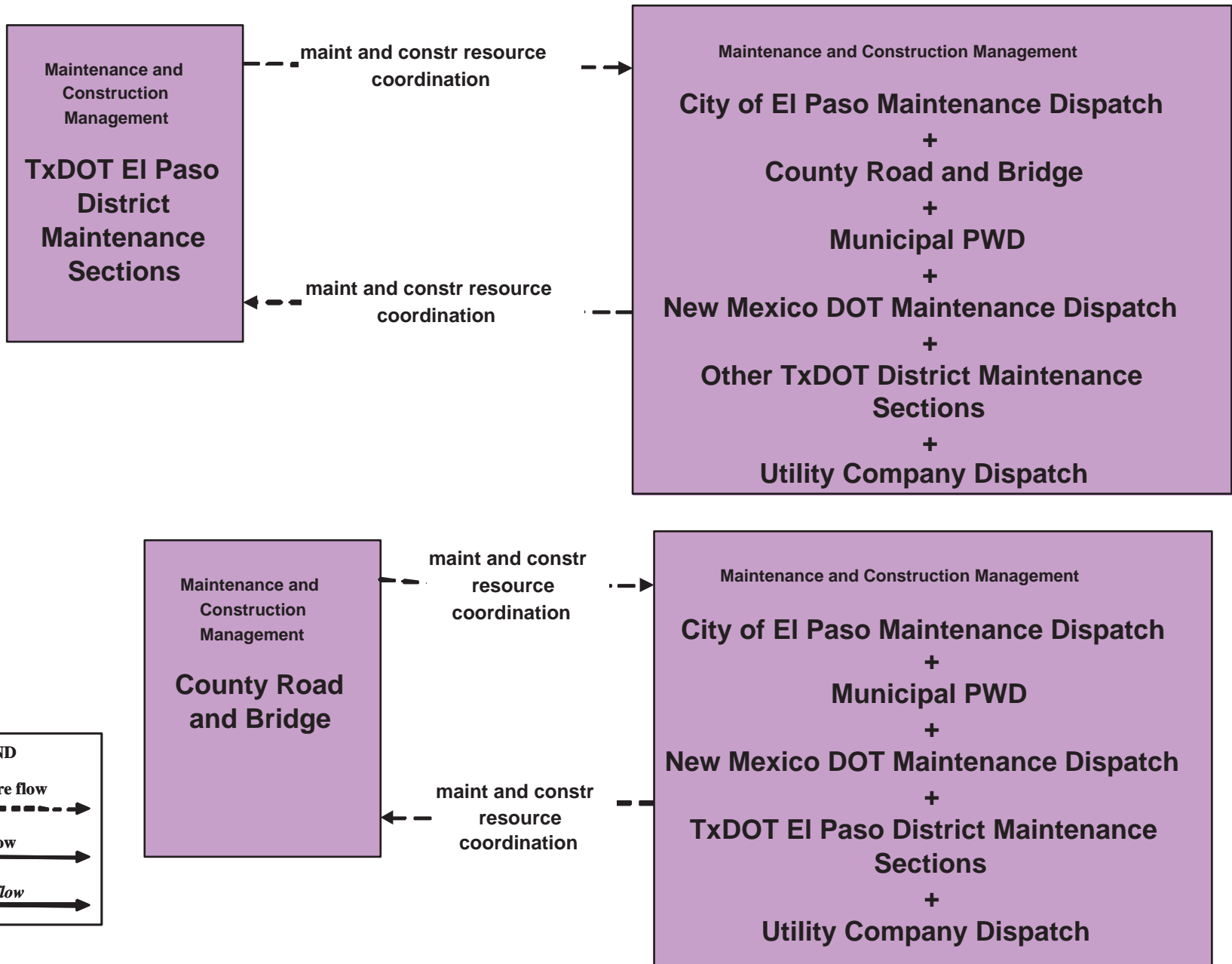
ATMS08 - Incident Management
TxDOT EI Paso District Maintenance Sections (MCM to EM)



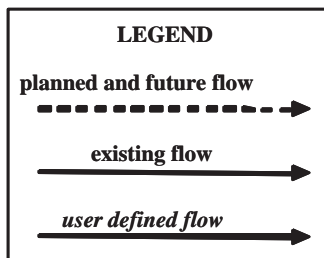
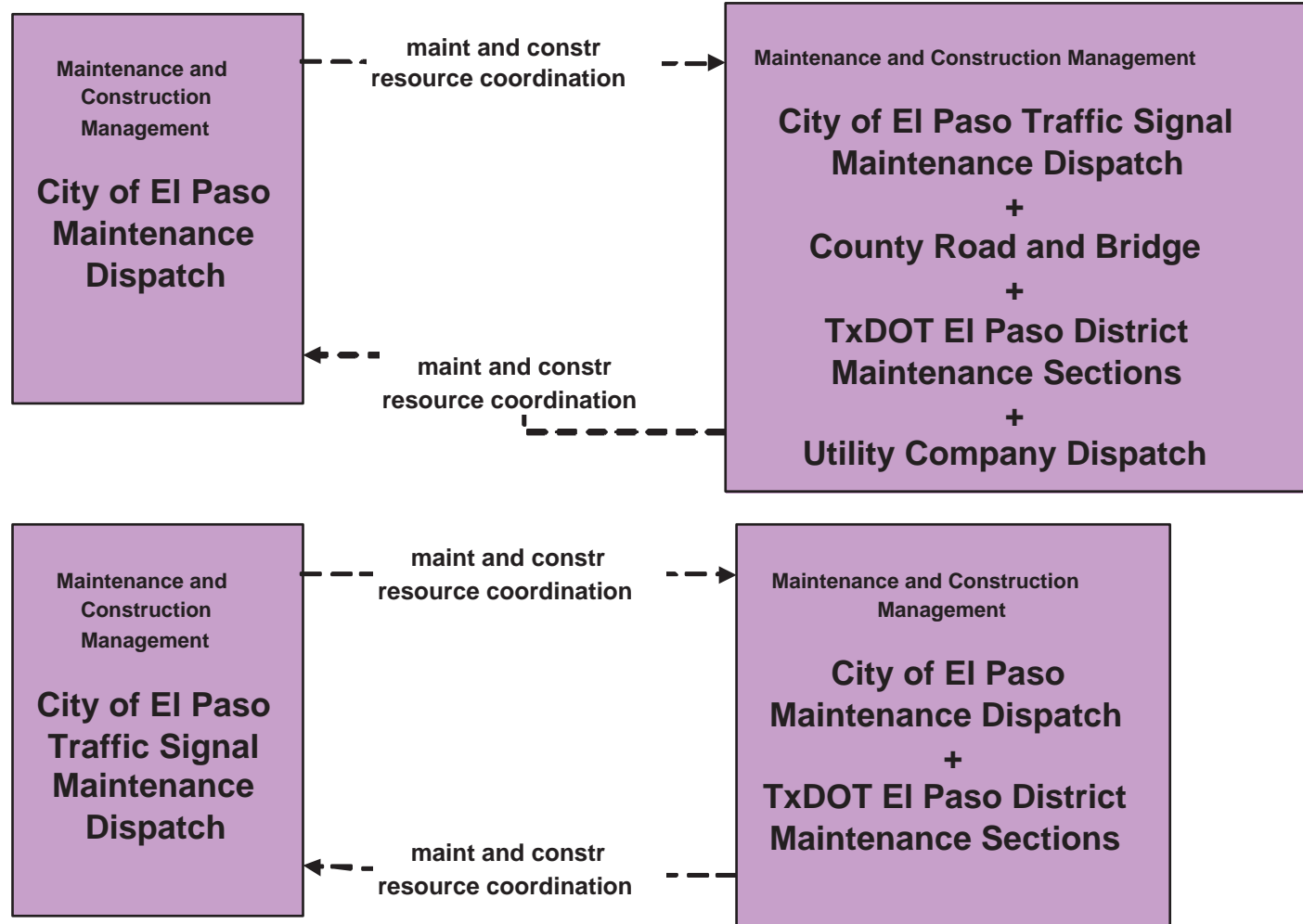
**ATMS08 - Incident Management
Utility Company Dispatch (MCM to EM)**



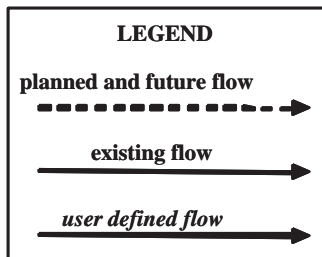
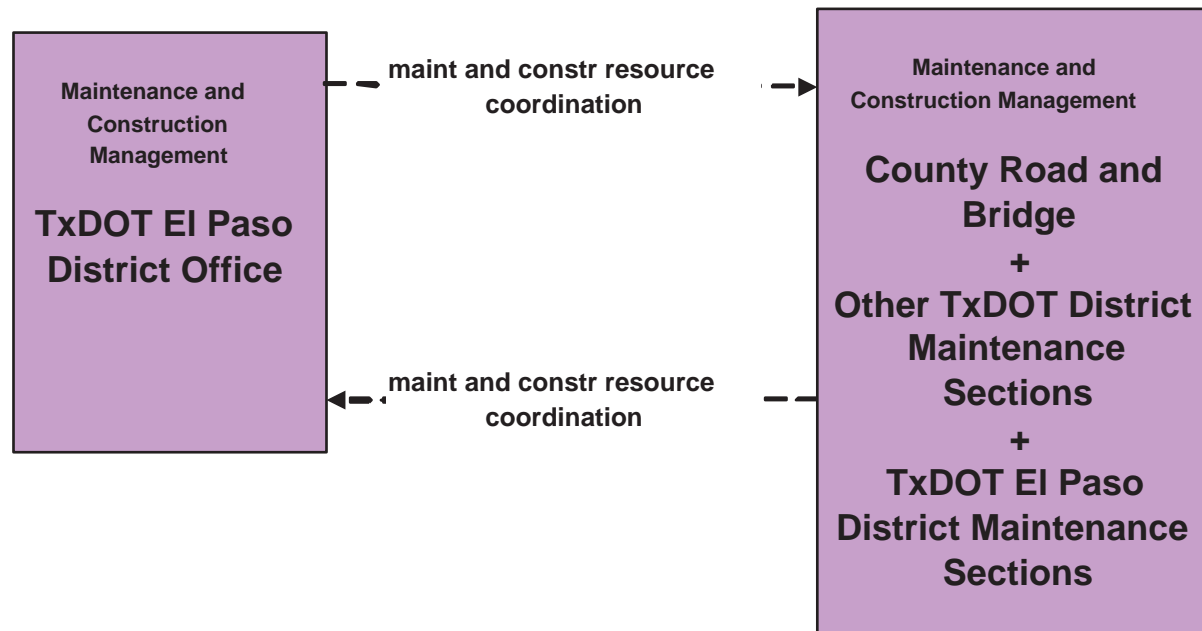
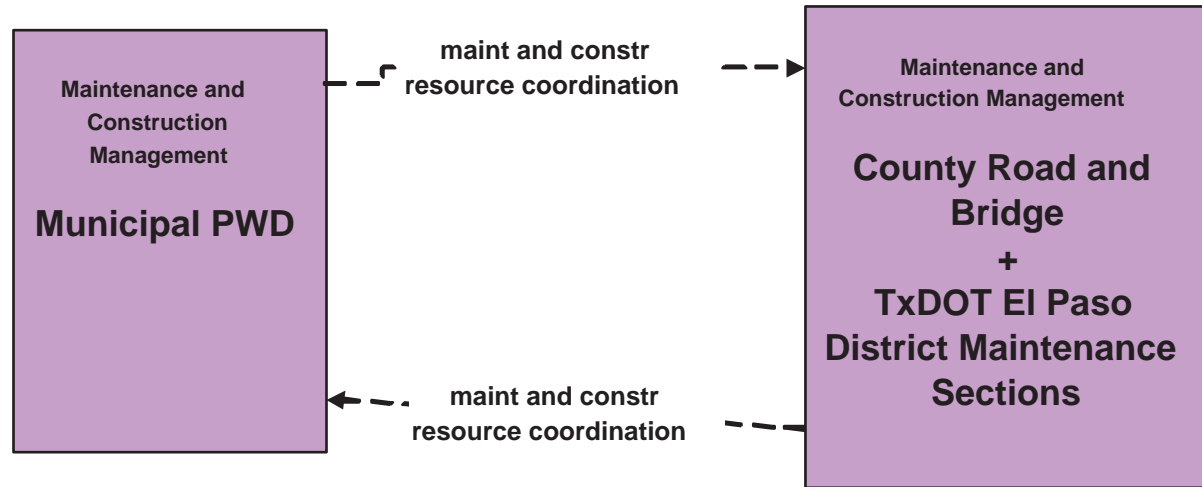
**ATMS08 - Incident Management
TxDOT/ County Road and Bridge (MCM to Other MCM)**



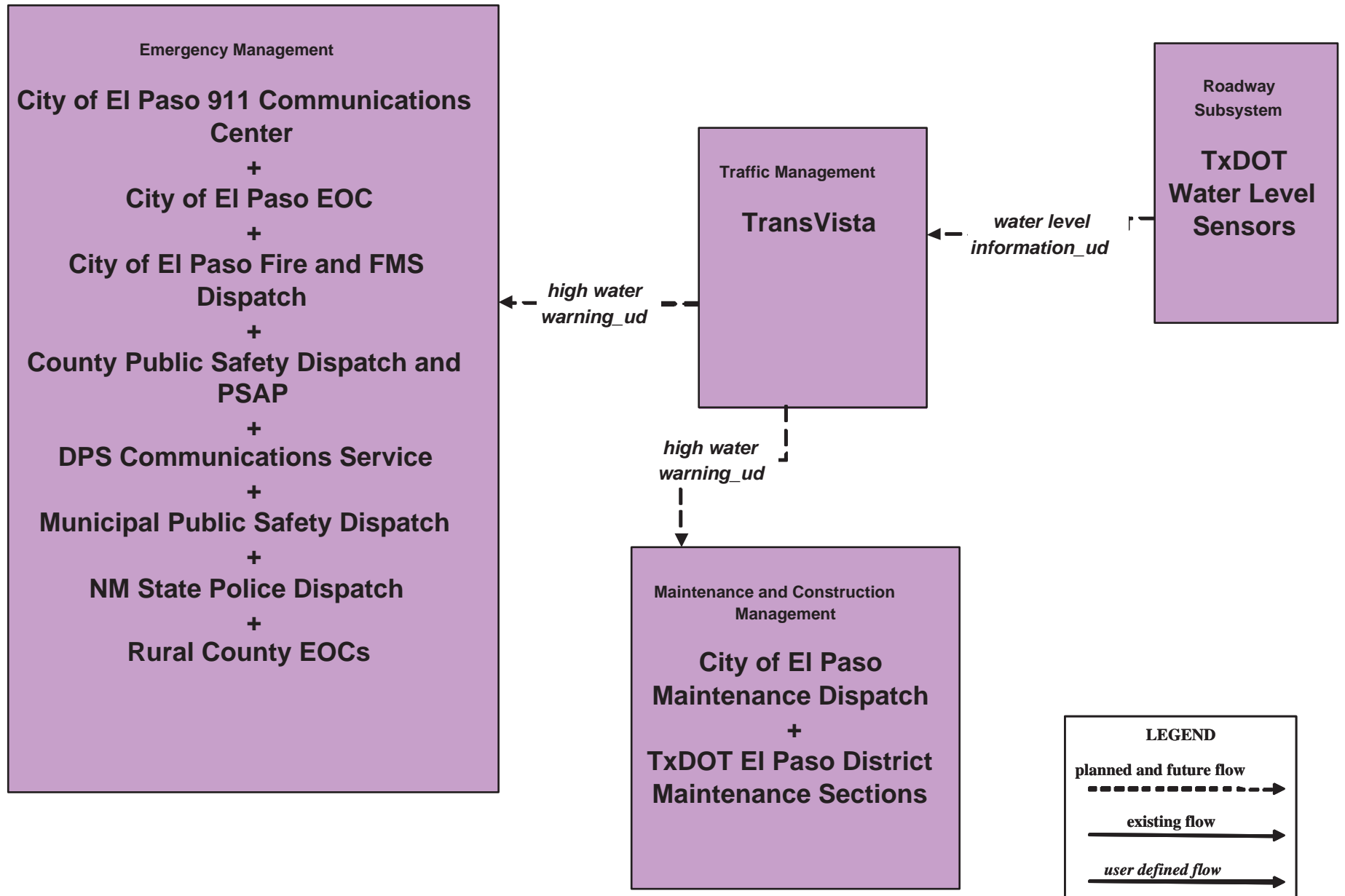
**ATMS08 - Incident Management
City of El Paso (MCM to Other MCM)**



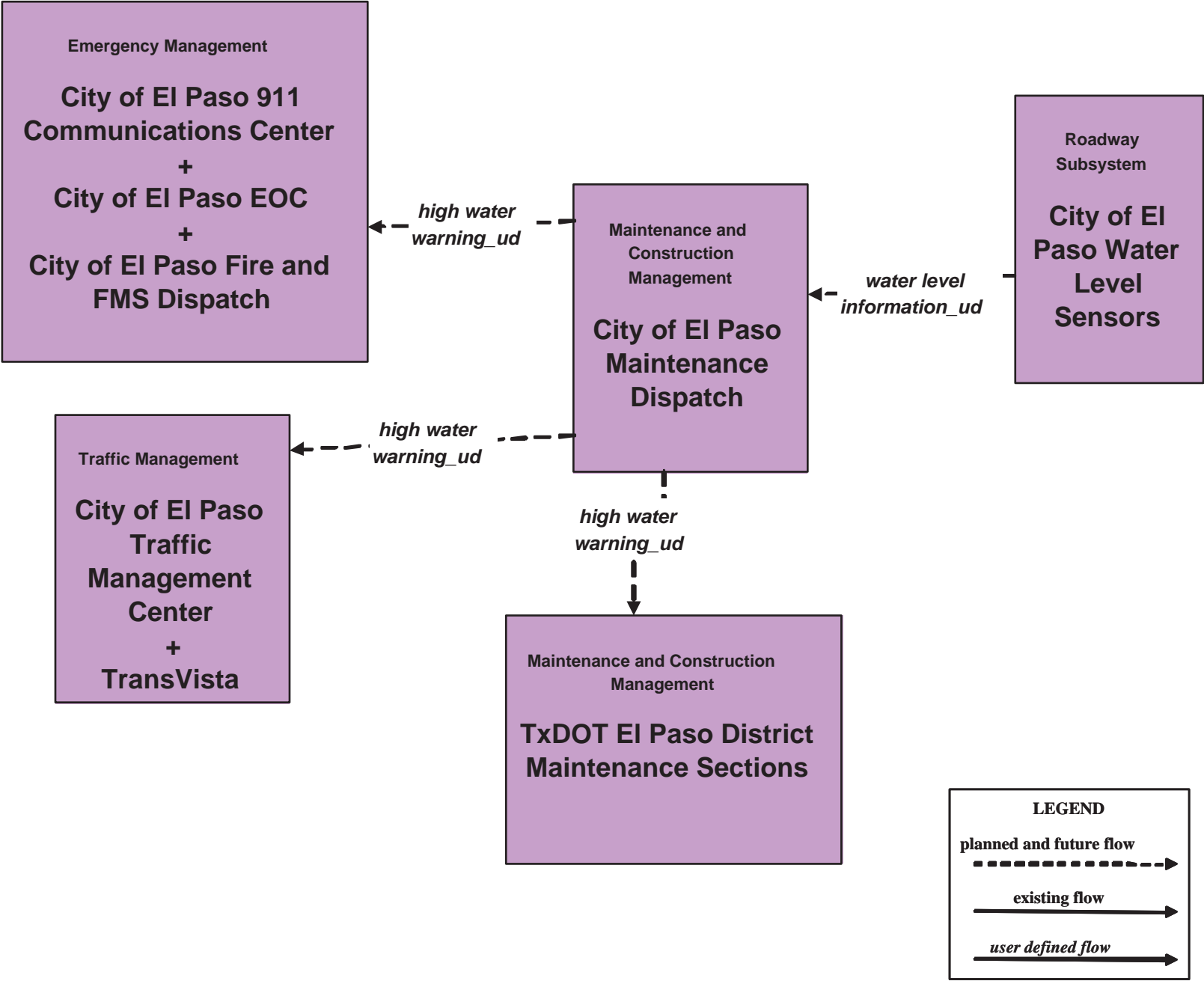
**ATMS08 - Incident Management
Municipal Maintenance/ TxDOT (MCM to Other MCM)**



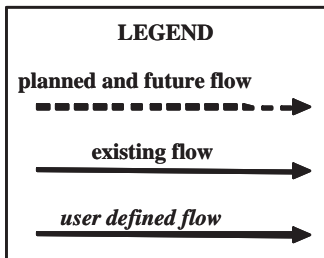
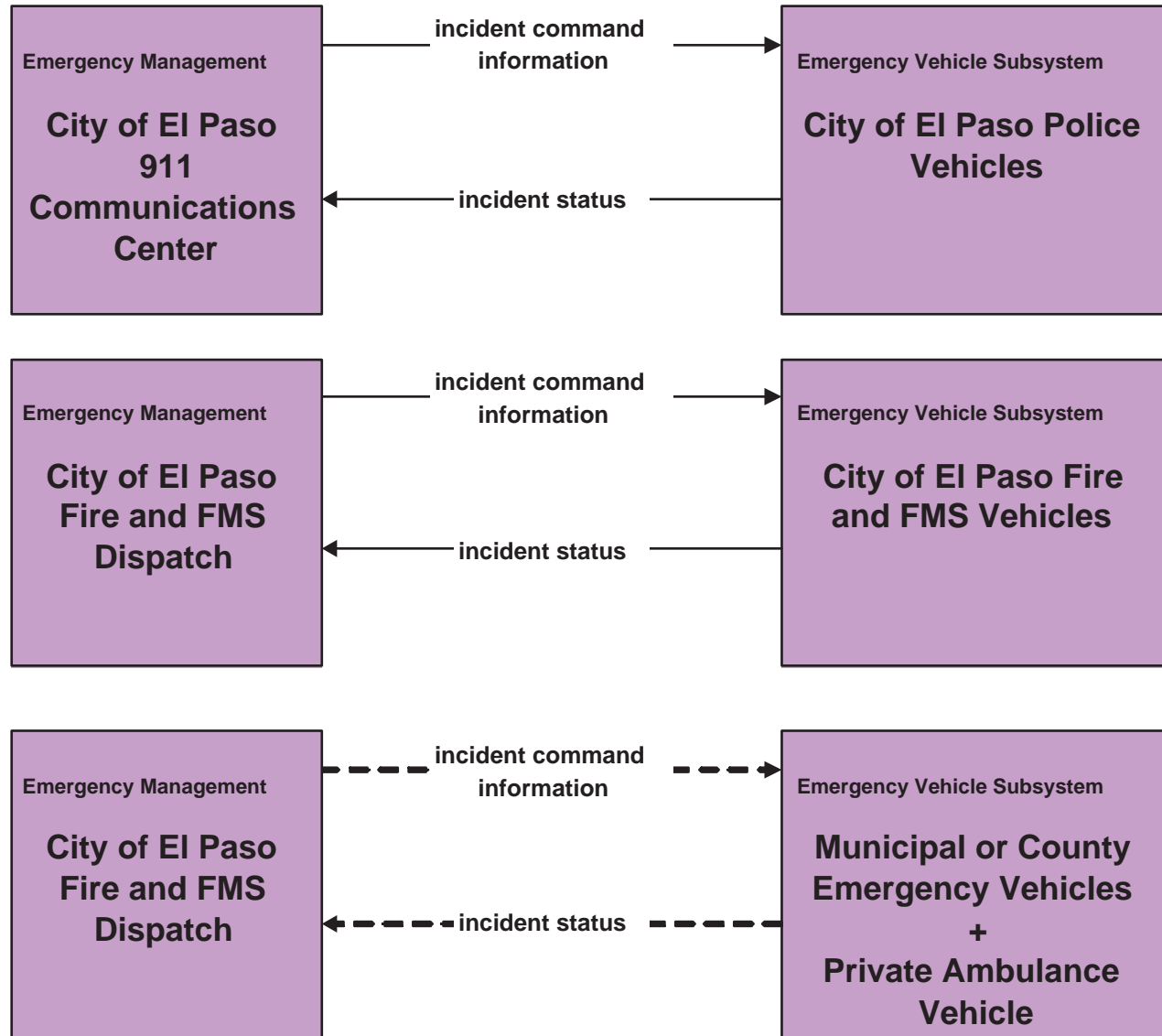
ATMS08 - Incident Management Water Level Monitoring-TxDOT



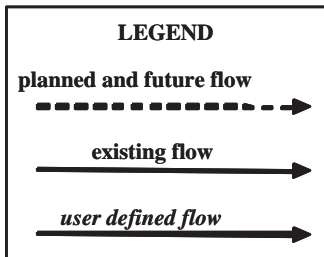
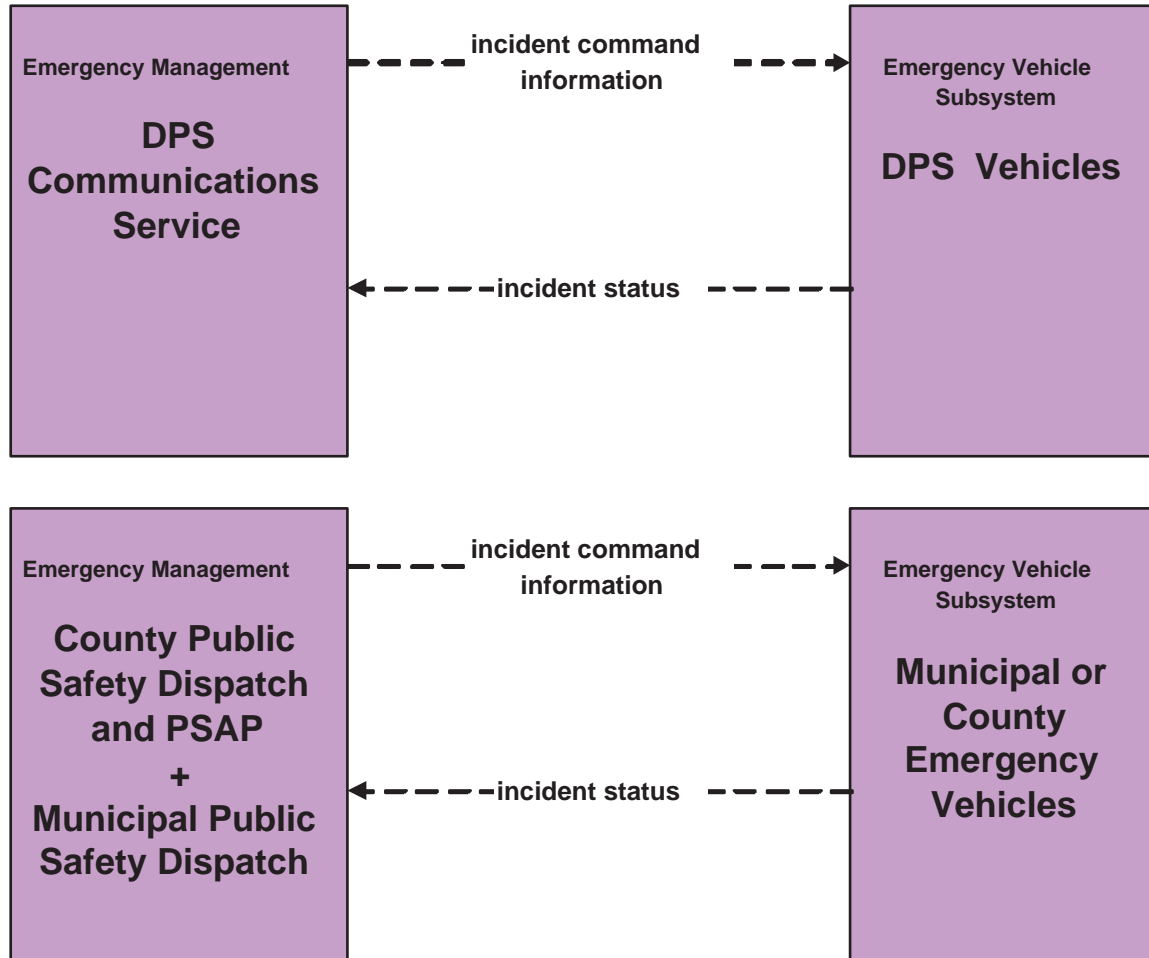
**ATMS08 - Incident Management
Water Level Monitoring-City of El Paso**



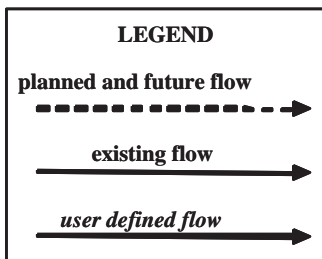
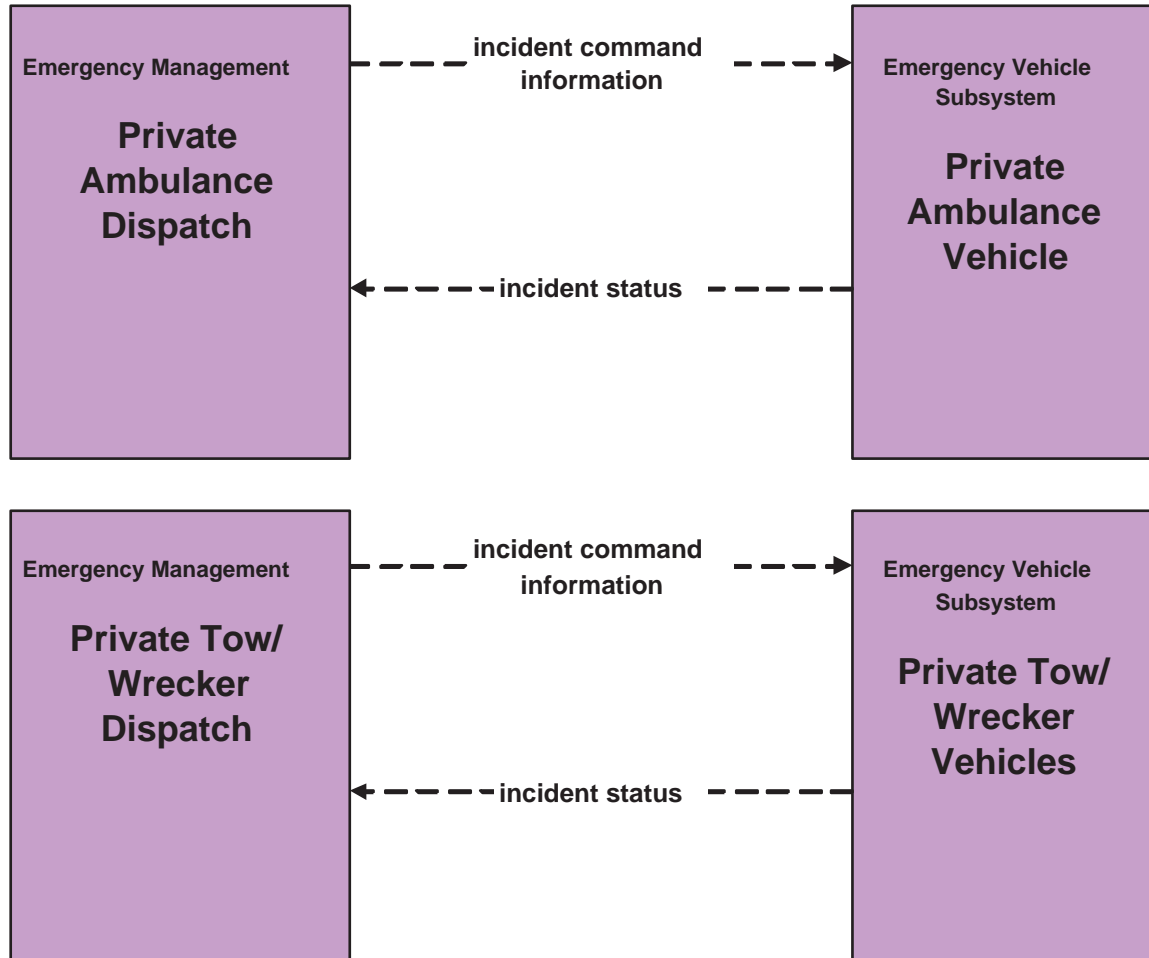
**ATMS08 - Incident Management
EM to EVS (1 of 4)**



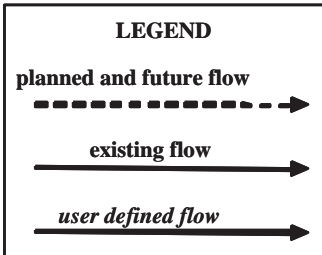
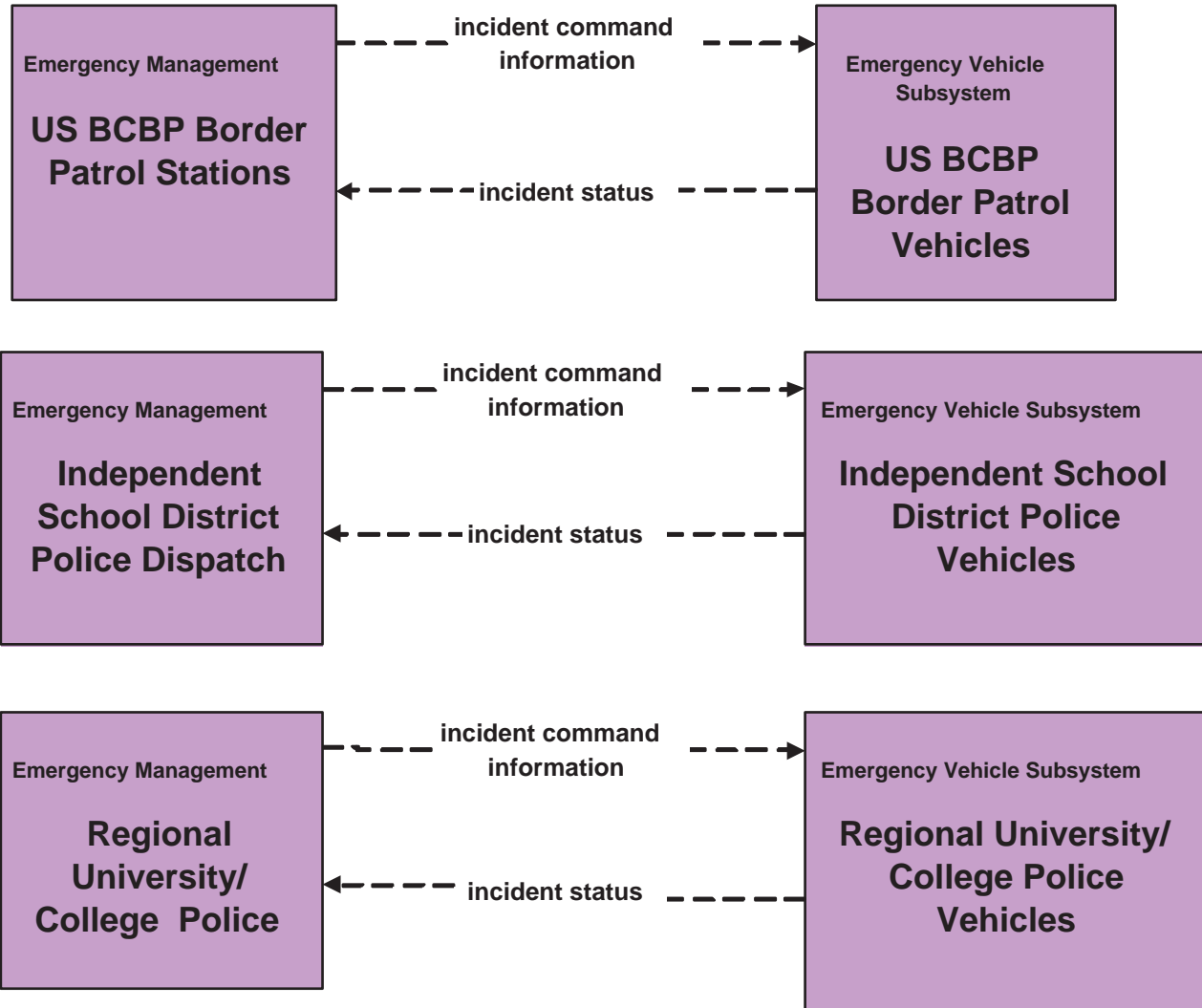
**ATMS08 - Incident Management
EM to EVS (2 of 4)**



**ATMS08 - Incident Management
EM to EVS (3 of 4)**



**ATMS08 - Incident Management
EM to EVS (4 of 4)**



**ATMS08 - Incident Management
CASC**

Emergency Management

**DPS
Communications
Service
+
US BCBP Border
Patrol
Communications
Center**

Emergency Management

US BCBP CASC

Roadway Subsystem

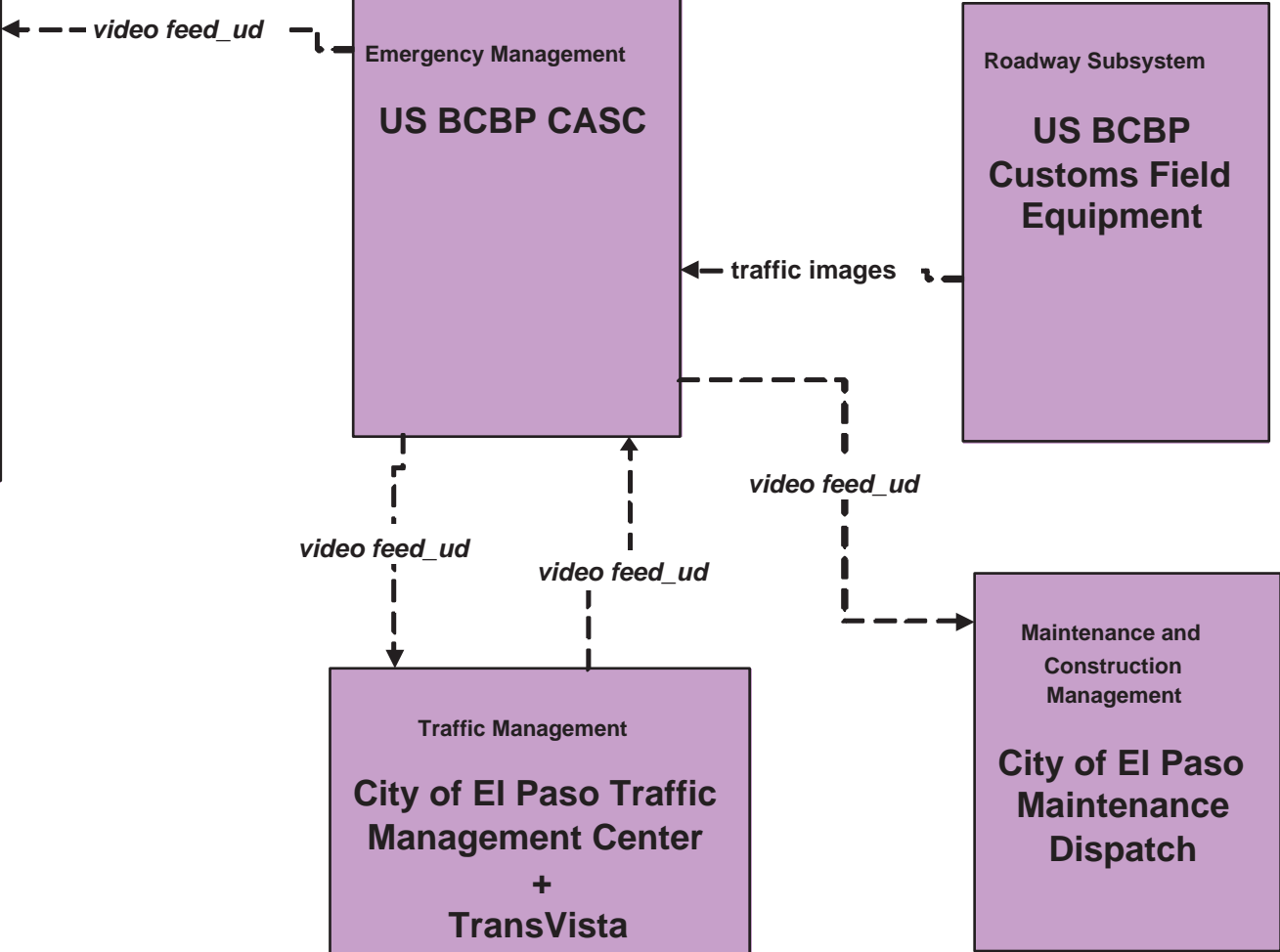
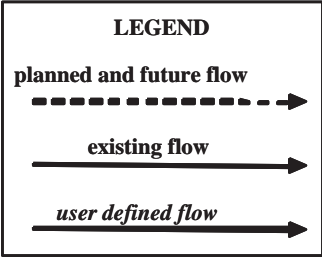
**US BCBP
Customs Field
Equipment**

Traffic Management

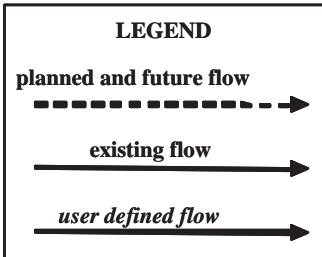
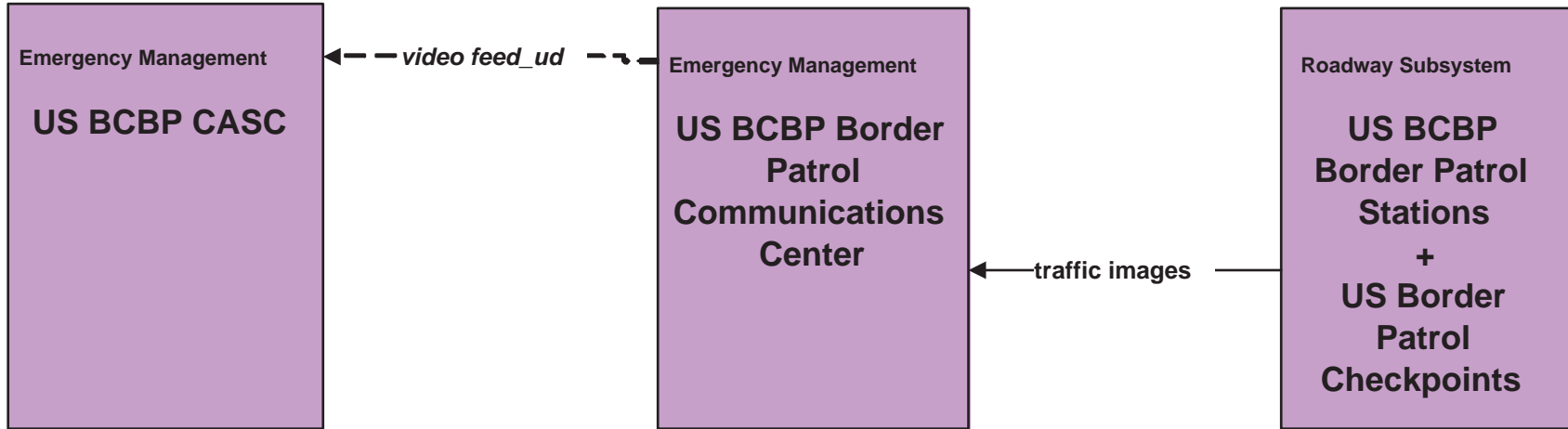
**City of El Paso Traffic
Management Center
+
TransVista**

Maintenance and
Construction
Management

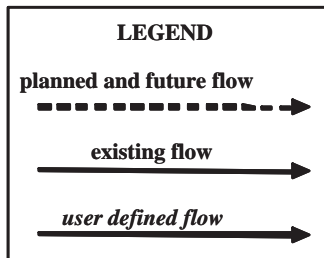
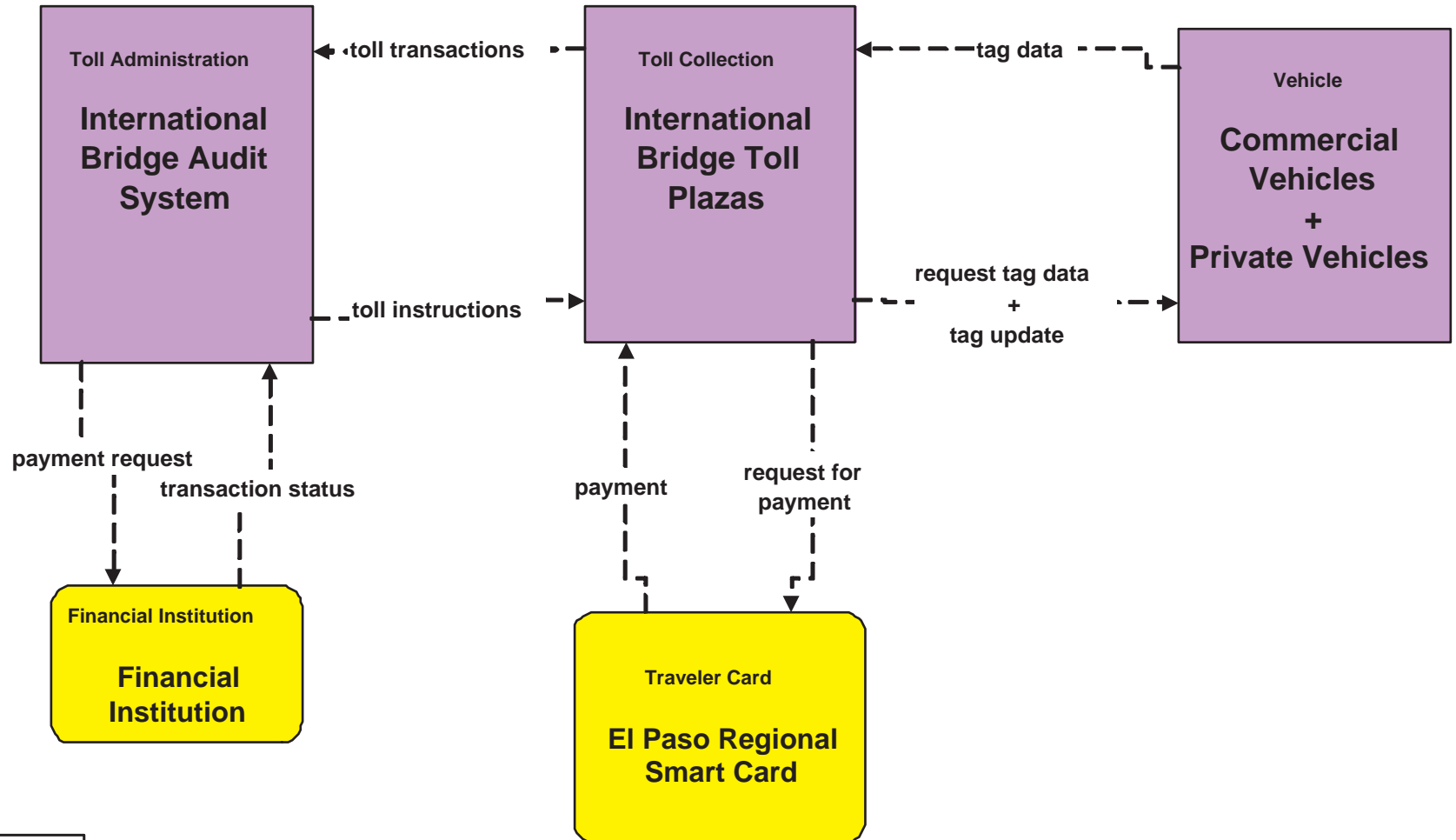
**City of El Paso
Maintenance
Dispatch**



**ATMS08 - Incident Management
Border Patrol Comm Center**



ATMS 10 - Electronic Toll Collection International Bridge



ATMS11 - Emissions Monitoring and Management TCEQ

Media
Local Print and Broadcast Media

*TCEQ - Texas Commission on Environmental Quality

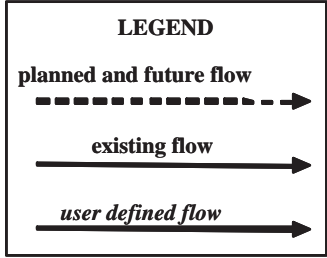
Information Service Provider
Sun Metro Transit Fixed Route Dispatch

Emissions Management
TCEQ Monitor Operations Section

Traffic Management
TransVista

Roadway Subsystem
TCEQ Field Emissions Monitors

Remote Traveler Support
Sun Metro Transit Kiosks



air quality information

air quality information

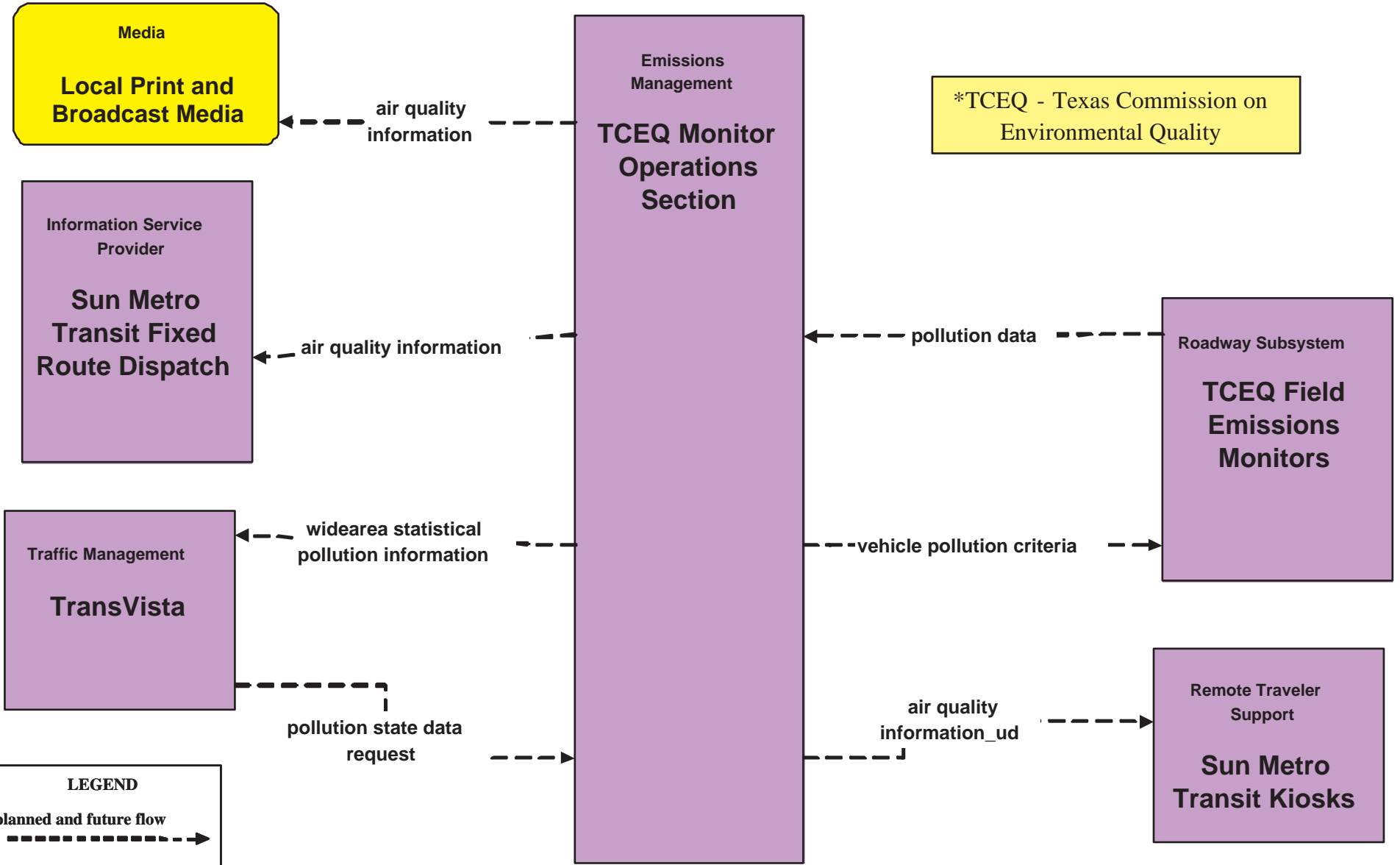
widearea statistical pollution information

pollution state data request

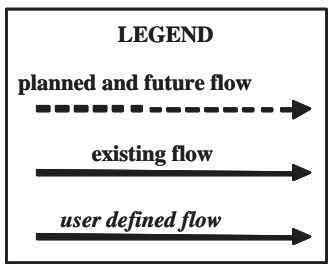
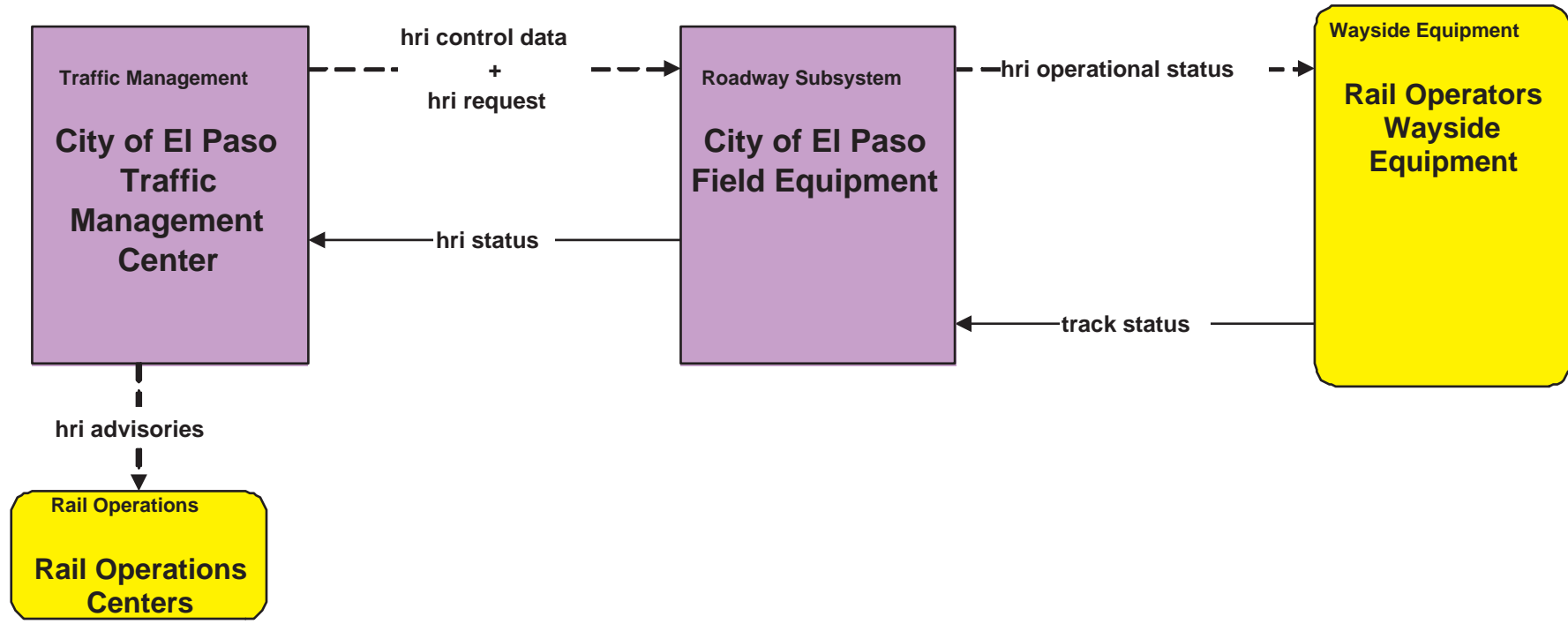
pollution data

vehicle pollution criteria

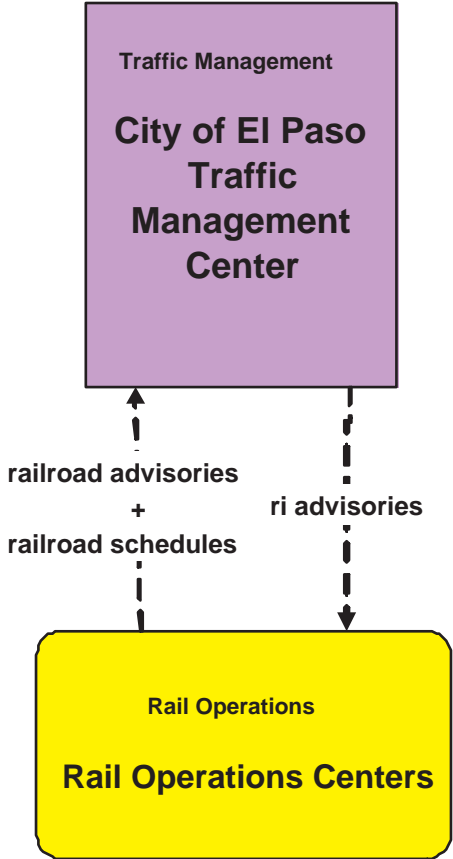
air quality information_ud



**ATMS13 - Standard Railroad Crossing
City of El Paso Traffic Management Center**



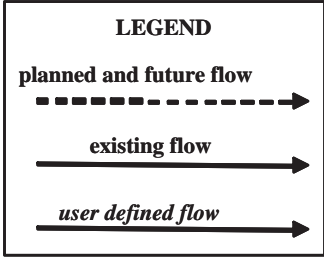
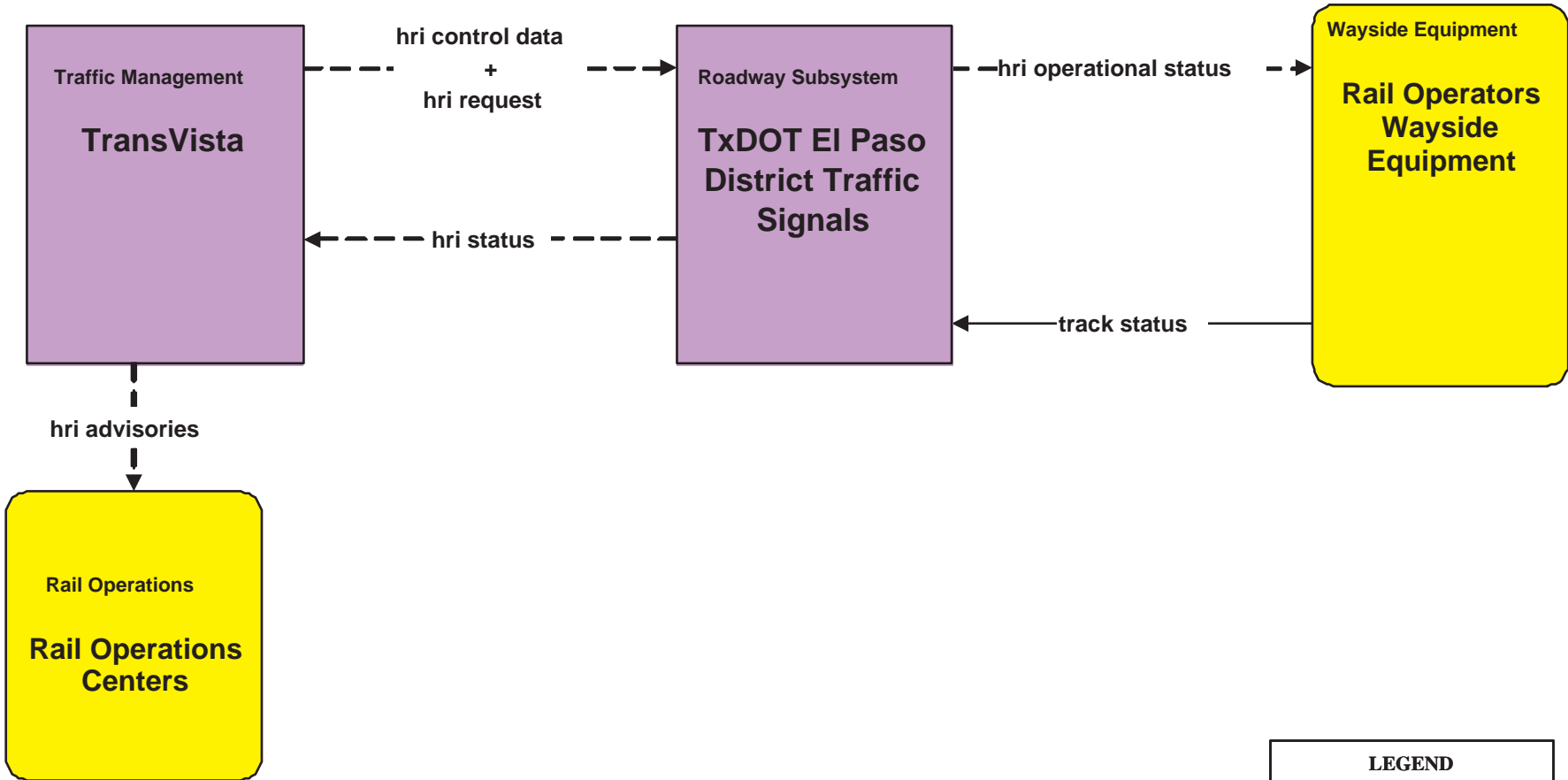
**ATMS15 - Railroad Operations Coordination
City of El Paso Traffic Management Center**



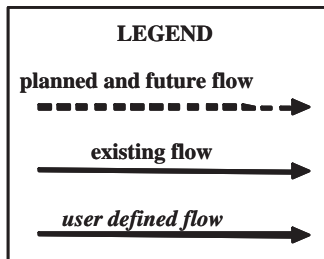
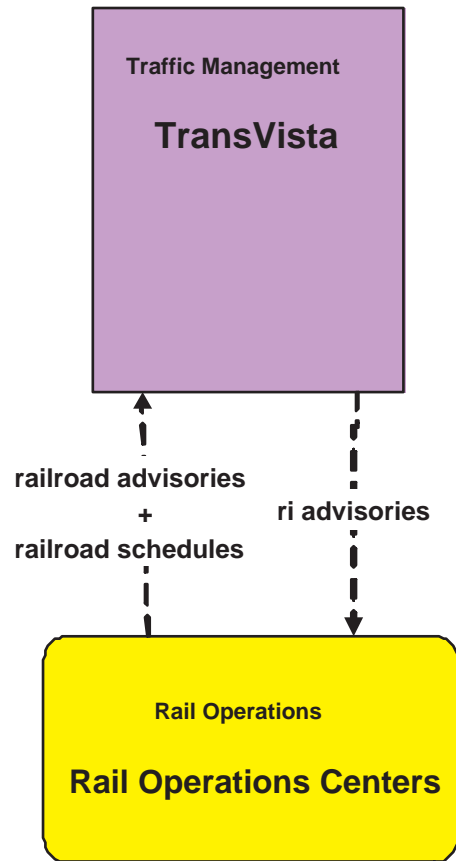
LEGEND

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

**ATMS13 - Standard Railroad Crossing
TransVista**



**ATMS 15 - Railroad Operations Coordination
TransVista**



ATMS 16 - Parking Systems Use of Smart Card for Parking

