

APPENDIX A – CUSTOMIZED MARKET PACKAGES

APPENDIX A

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Figure A1 – EM1 – Emergency Response: Regional Information Sharing and Coordination

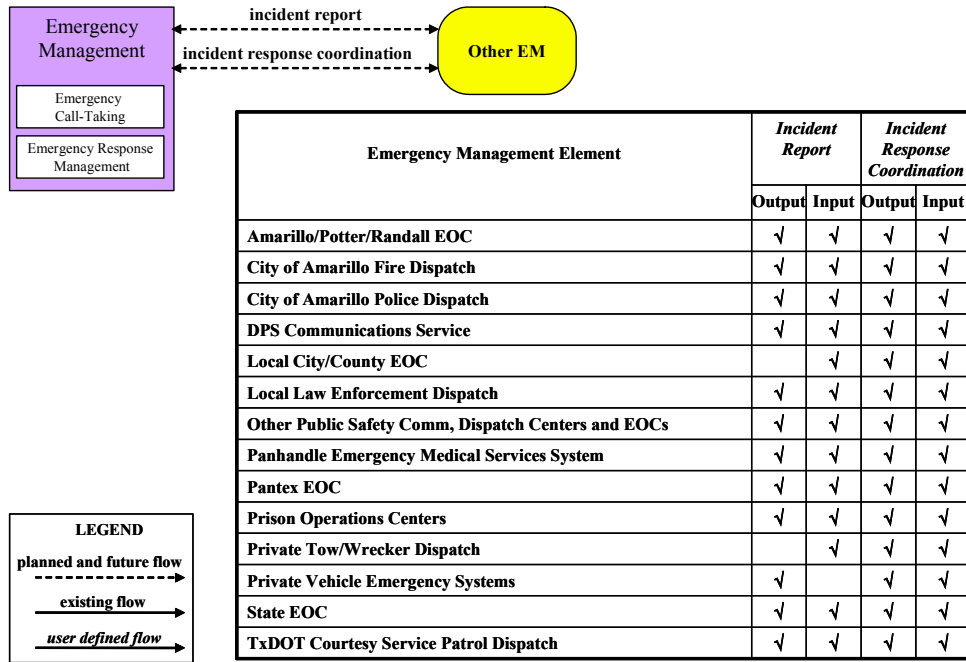


Figure A2 – EM1 – Emergency Response: Amarillo/Potter/Randall EOC

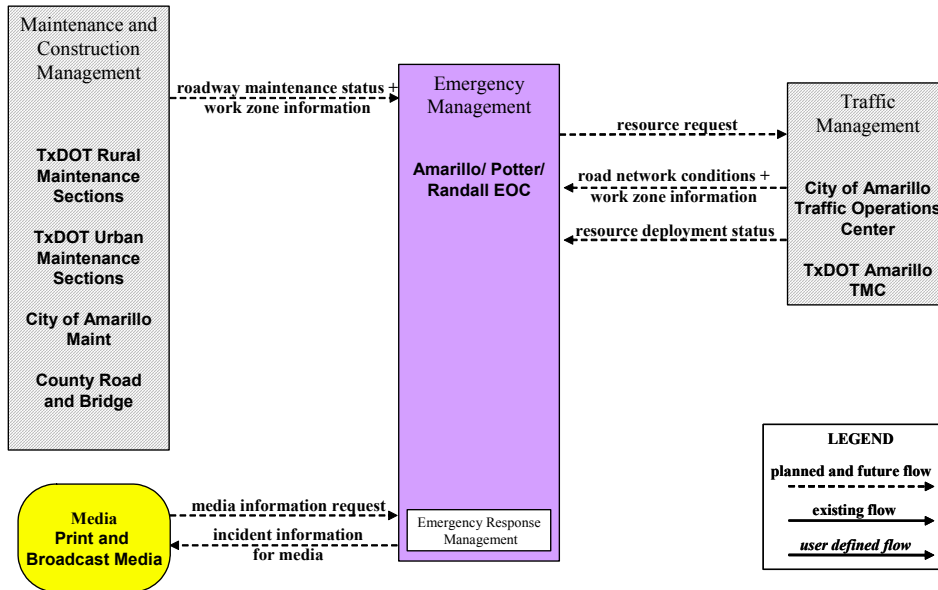


Figure A3 – EM1 – Emergency Response: State EOC

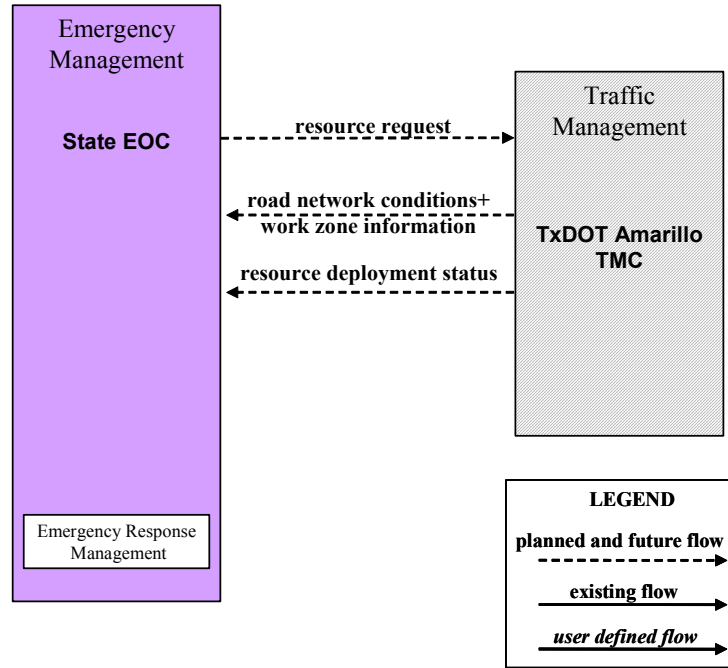


Figure A4 – EM1 – Emergency Response: Pantex EOC

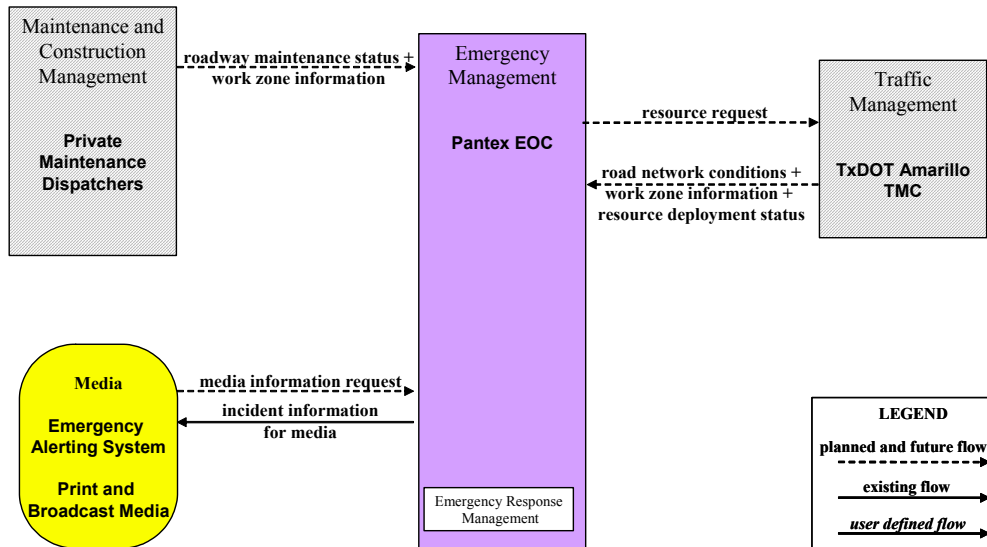


Figure A5 – EM1 – Emergency Response: Local City/County EOC

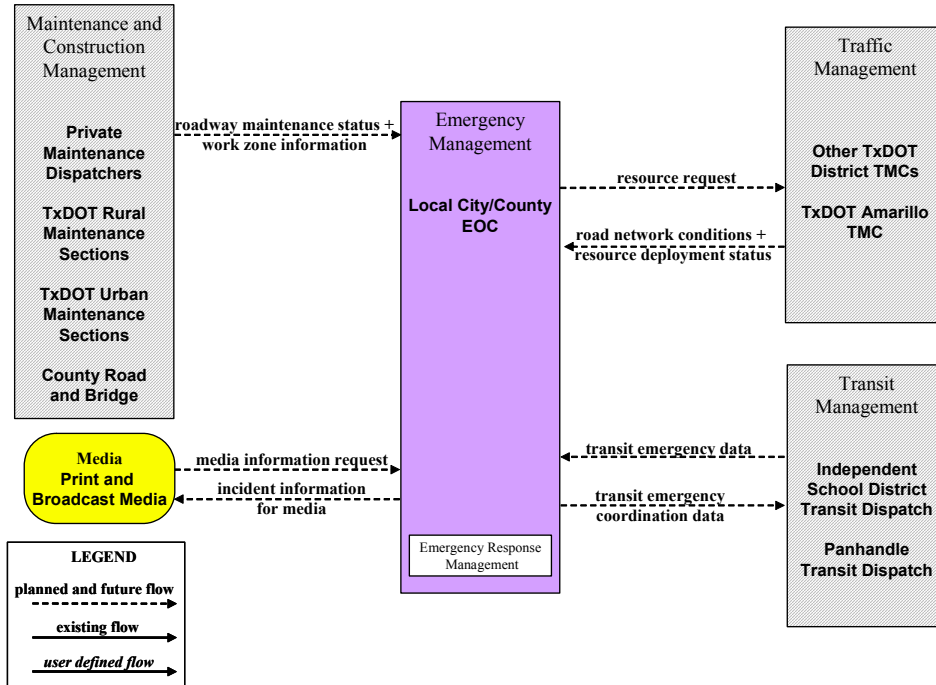


Figure A6 – EM1 – Emergency Response: City of Amarillo Fire Dispatch

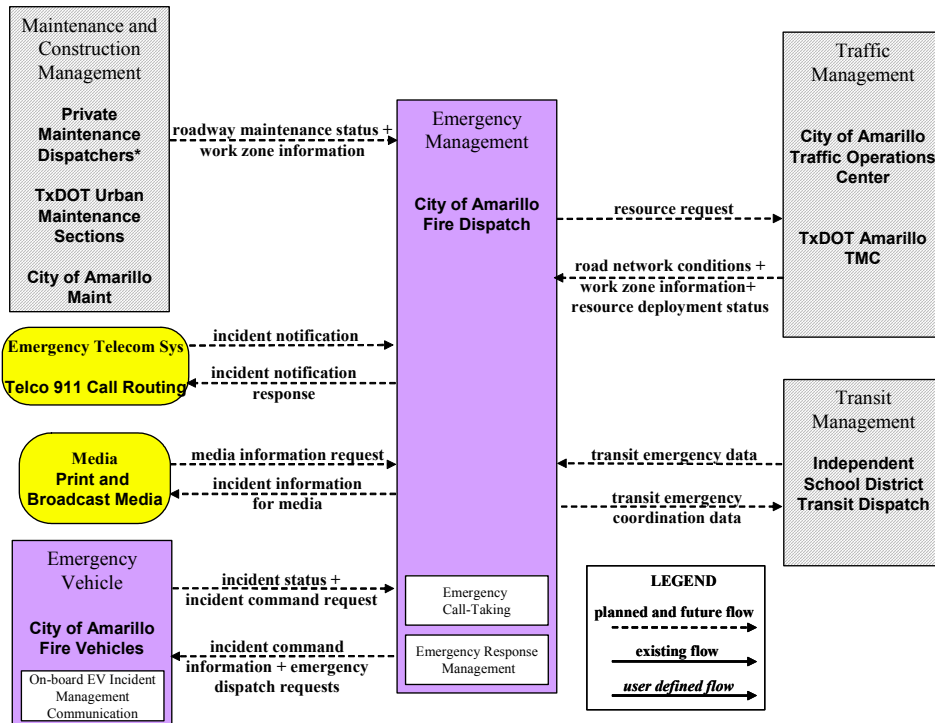


Figure A7 – EM1 – Emergency Response: City of Amarillo Police Dispatch

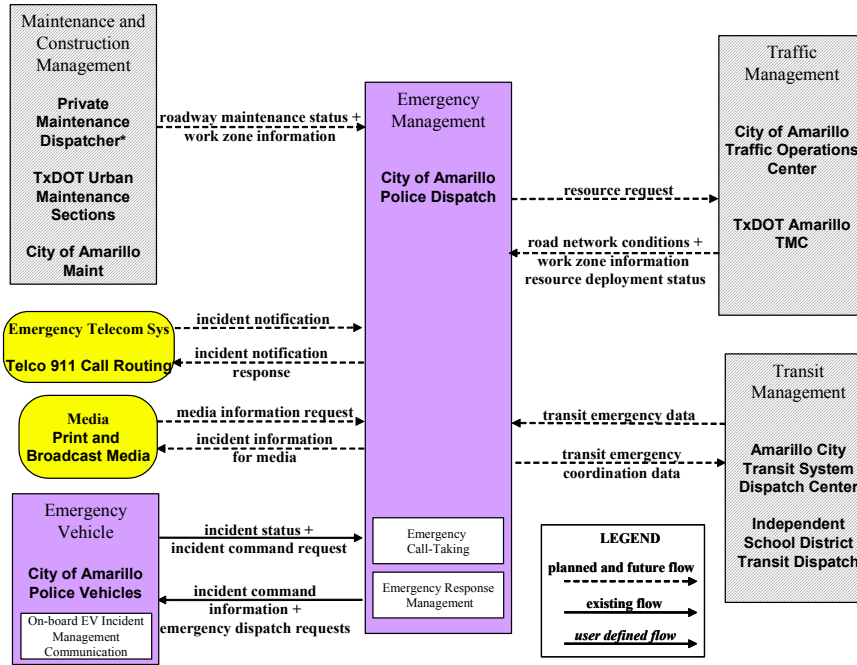


Figure A8 – EM1 – Emergency Response: DPS Communications Service

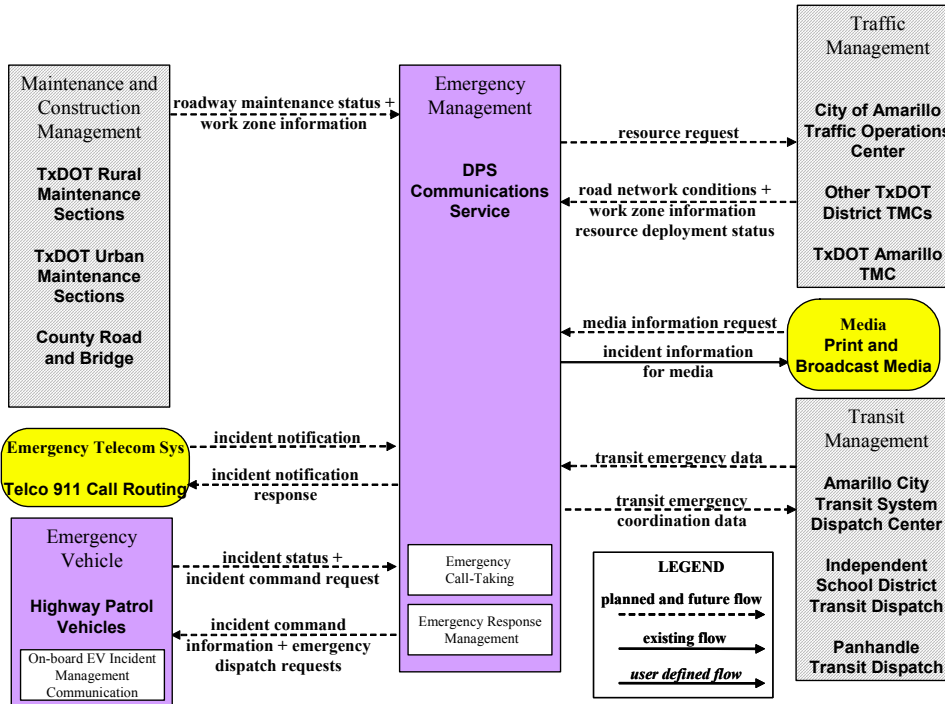


Figure A9 – EM1 – Emergency Response: Local Law Enforcement Dispatch

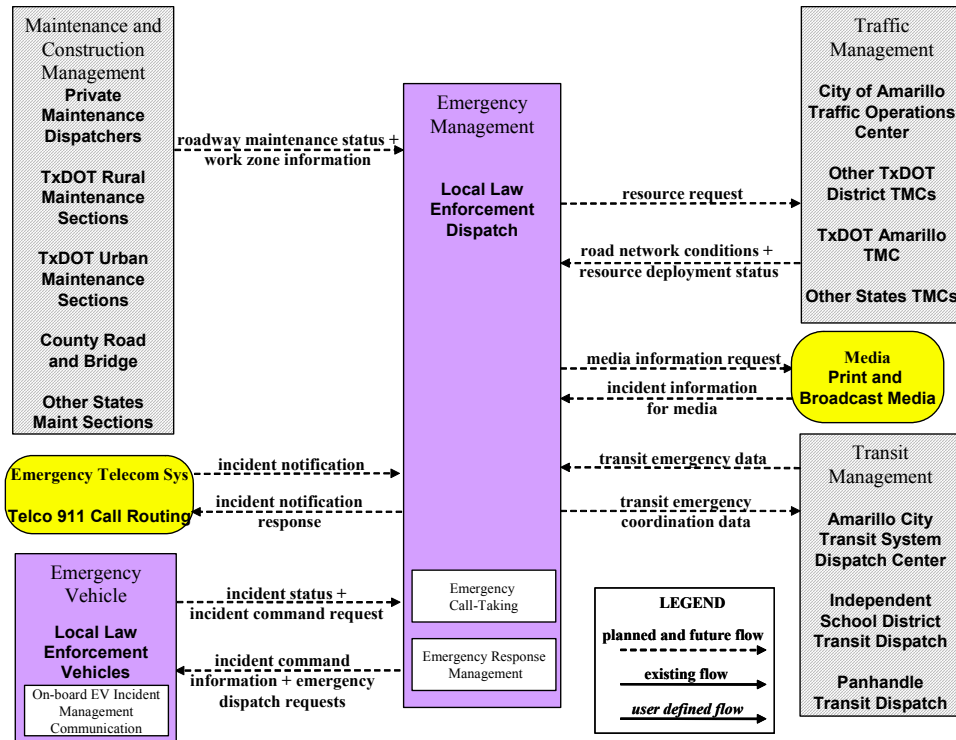


Figure A10 – EM1 – Emergency Response: Panhandle Emergency Medical Services System (PEMSS)

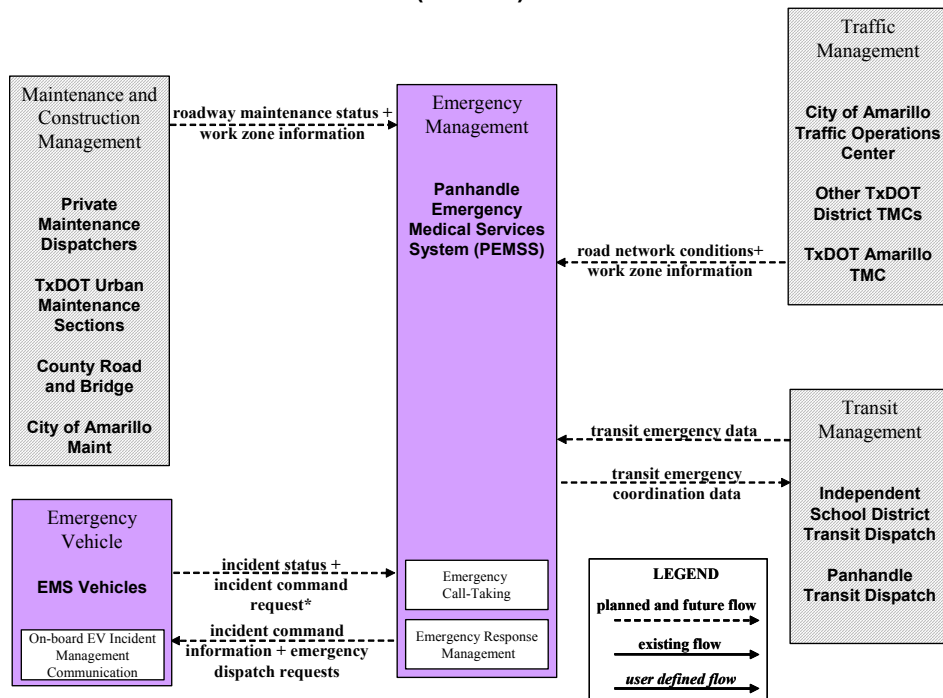


Figure A11 – EM1 – Emergency Response: Prison Operations Centers

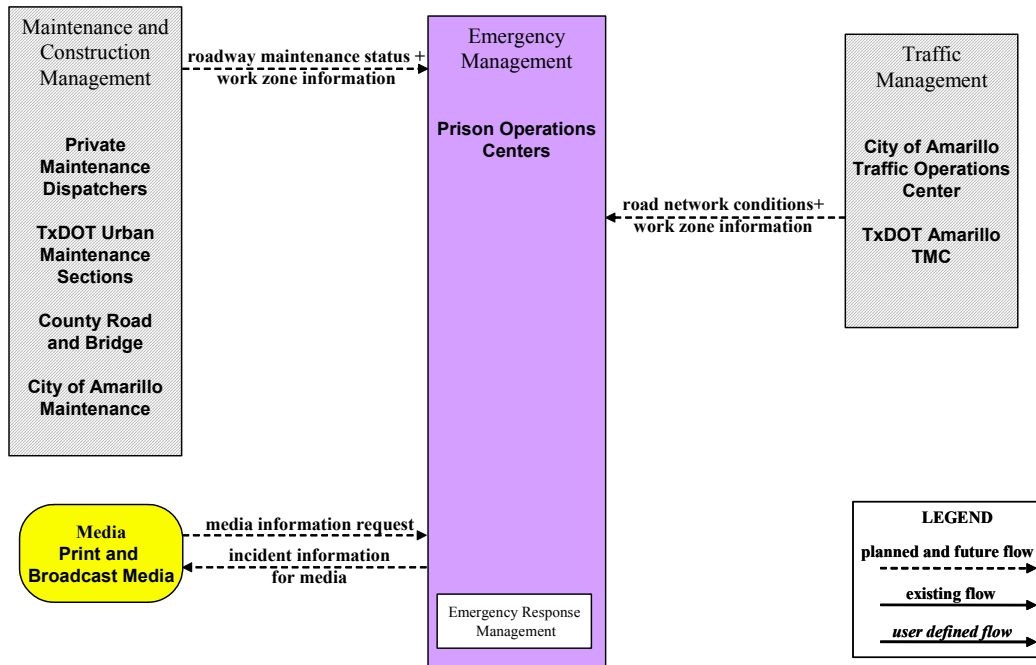


Figure A12 – EM1 – Emergency Response: Private Tow/Wrecker Dispatch

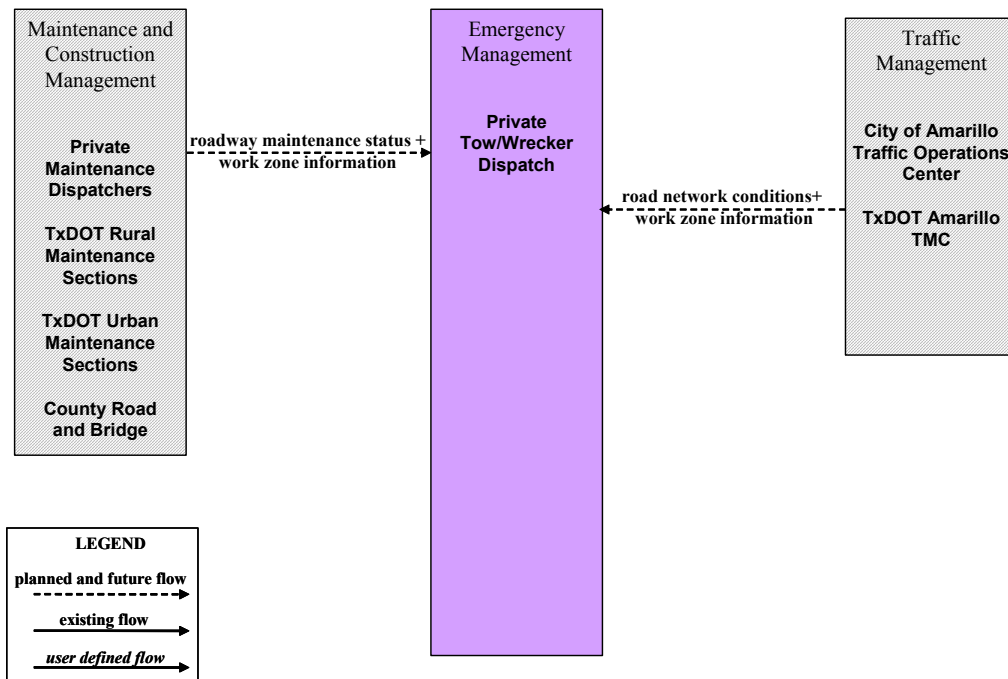


Figure A13 – EM1 – Emergency Response: Private Vehicle Emergency System

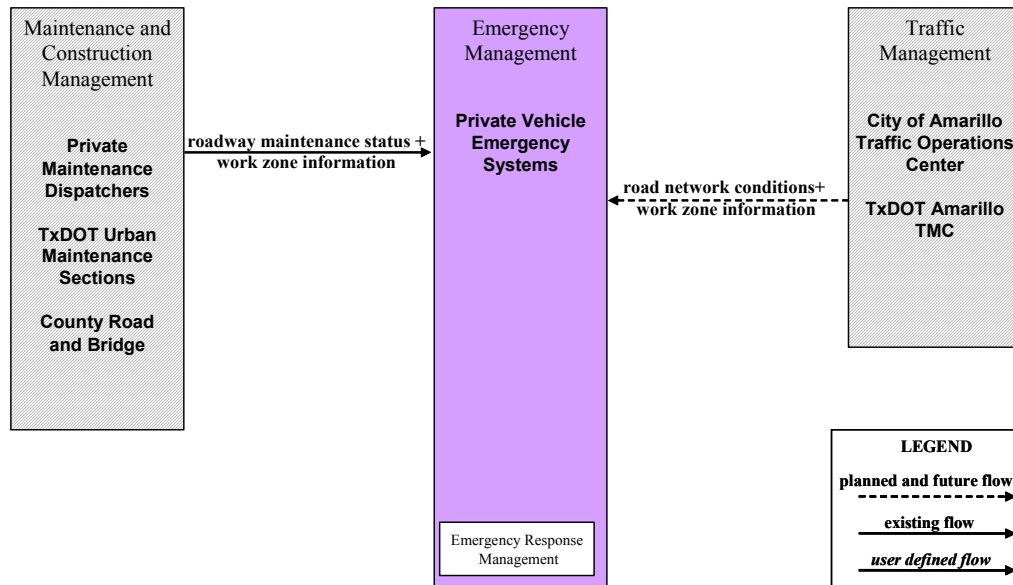


Figure A14 – EM1 – Emergency Response: TxDOT Courtesy Service Patrol Dispatch

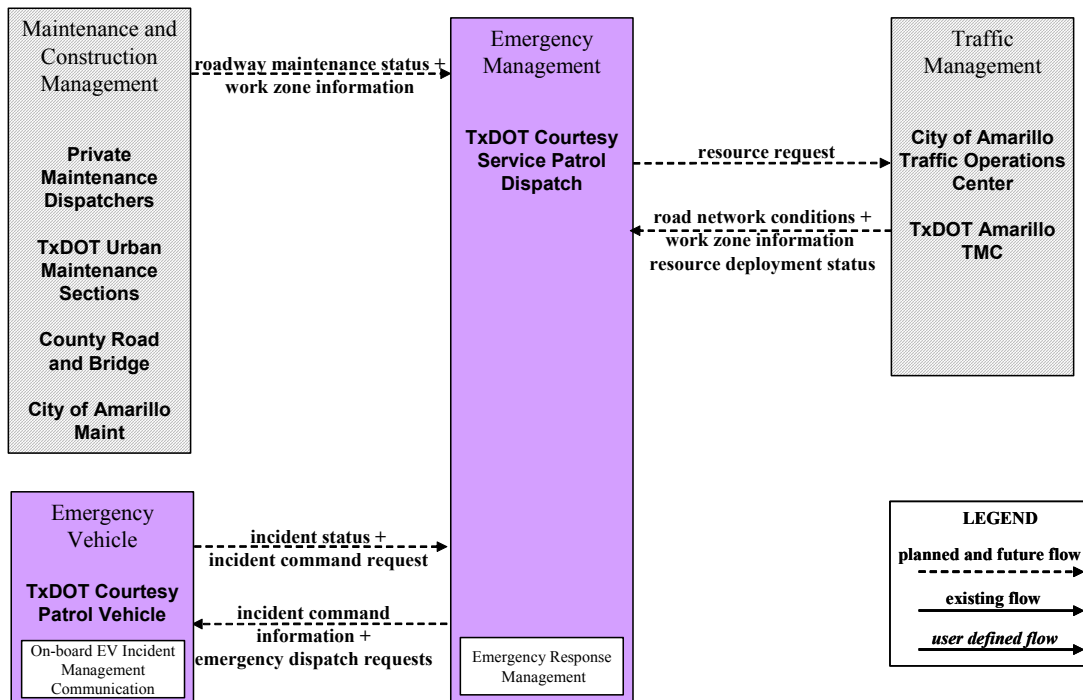


Figure A15 – EM2 – Emergency Routing: Local Ambulance Services

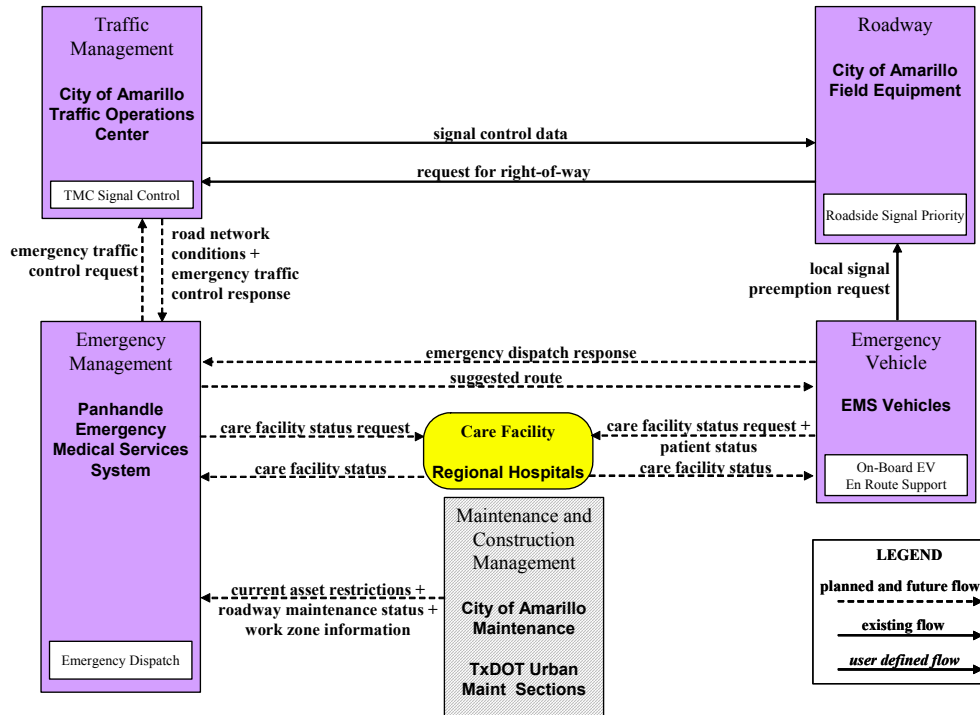


Figure A16 – EM2 – Emergency Routing: City of Amarillo Fire

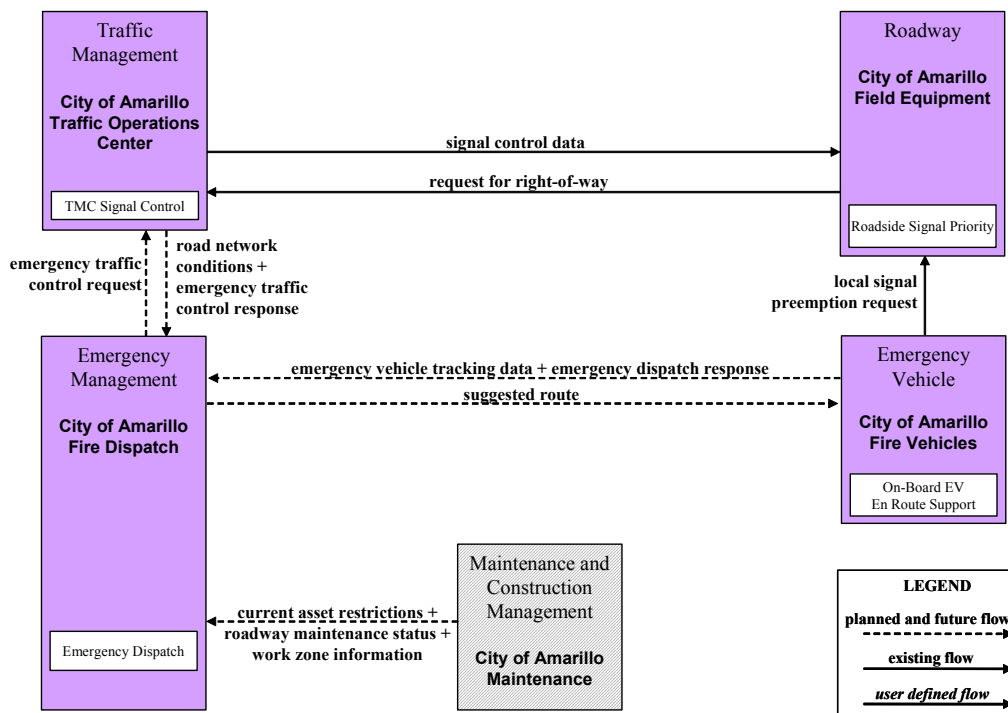


Figure A17 – EM3 – Mayday Support: DPS Communications Service or Local 911

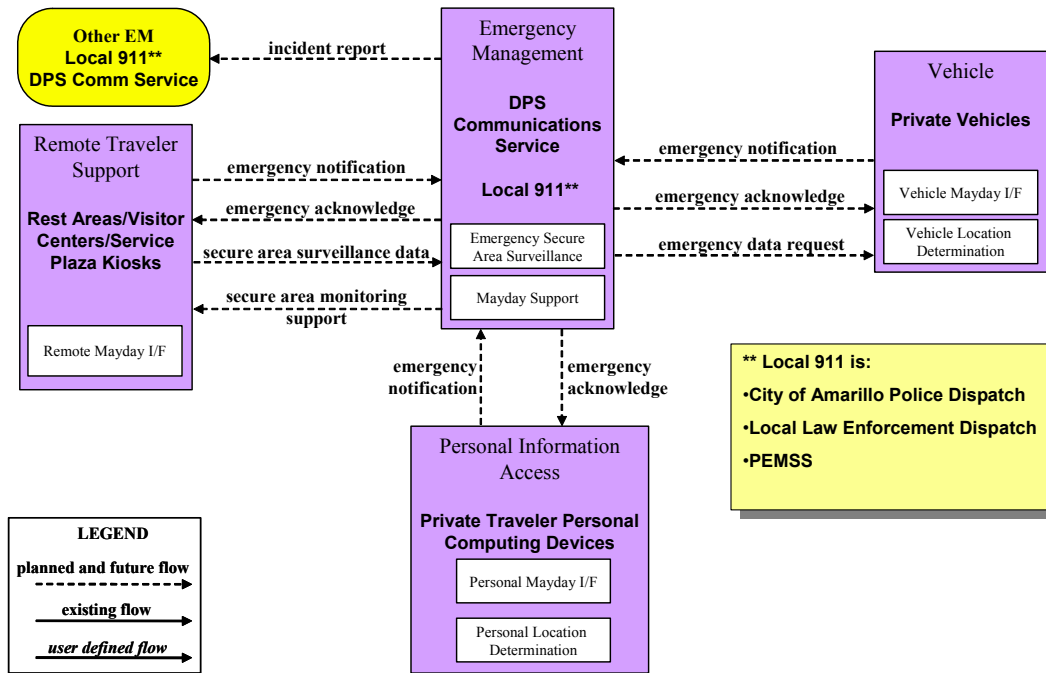


Figure A18 – EM4 – Roadway Service Patrols: TxDOT Courtesy Service Patrol Dispatch

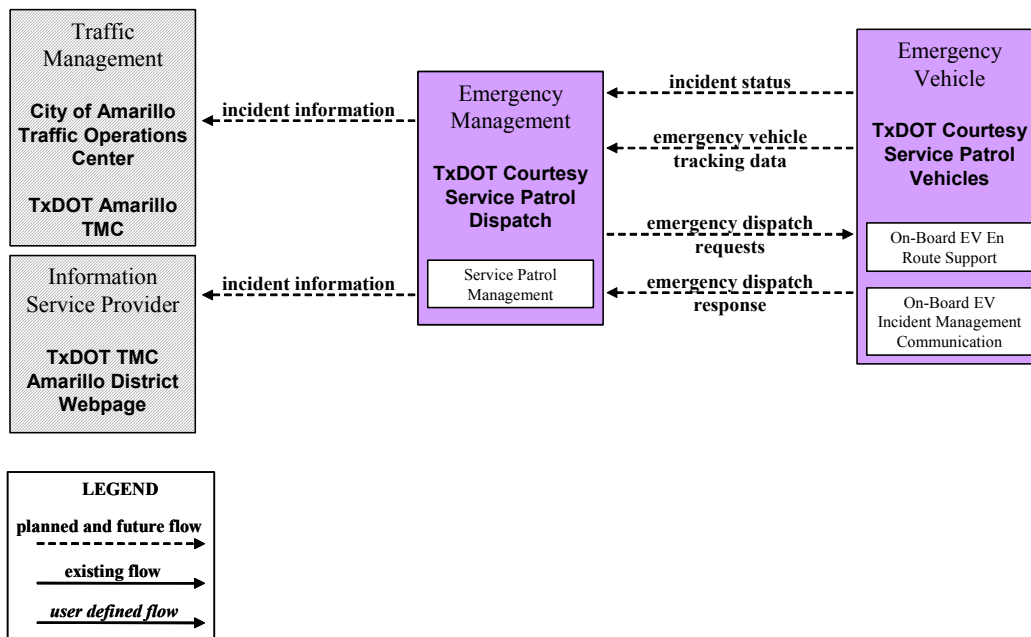


Figure A19 – EM5 – Emergency Evacuation and Detour (1 of 3)

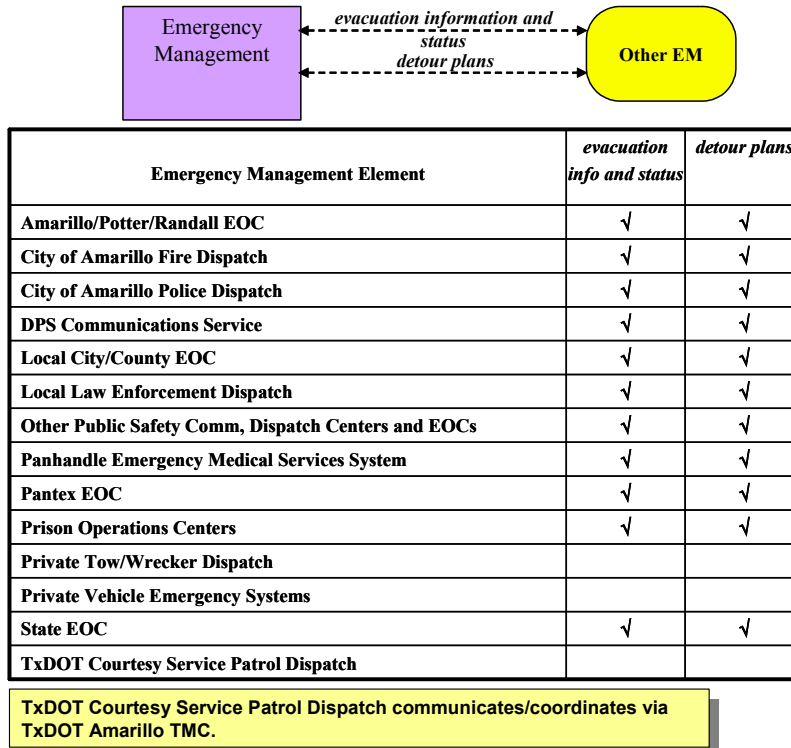


Figure A20 – EM5 – Emergency Evacuation and Detour (2 of 3)

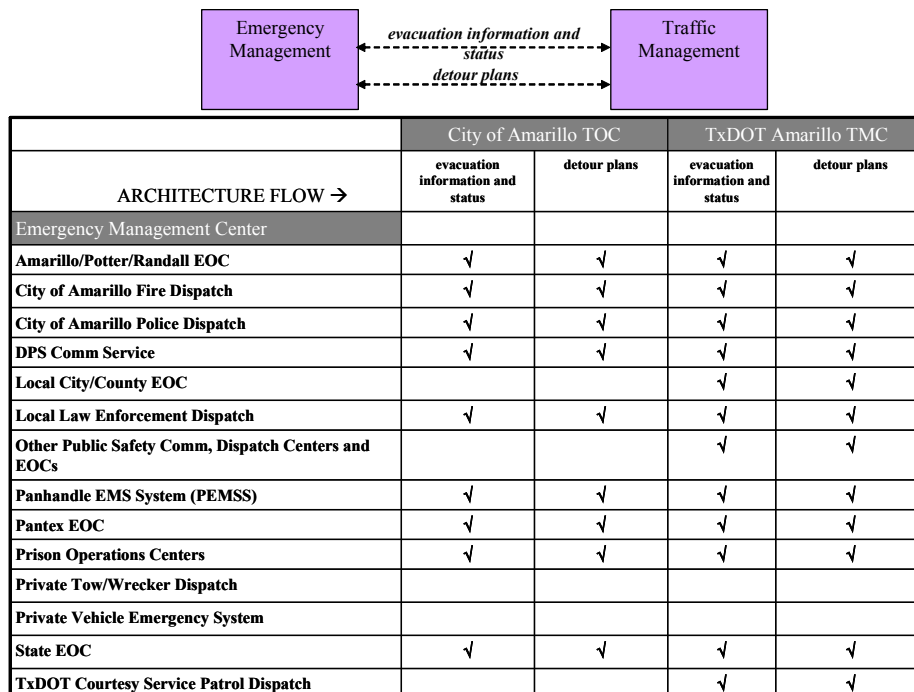


Figure A21 – EM5 – Emergency Evacuation and Detour (3 of 3)

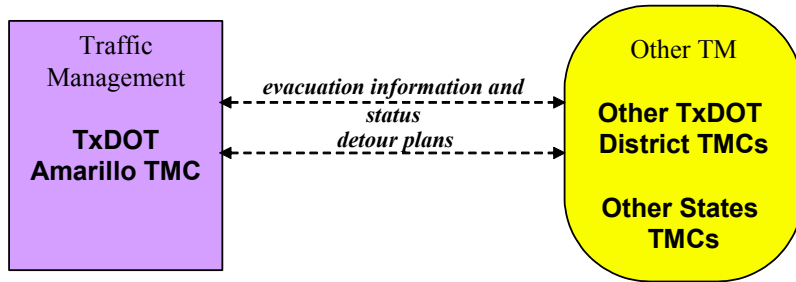


Figure A22 – AD1 – ITS Data Mart: TxDOT Crash Record Information Systems

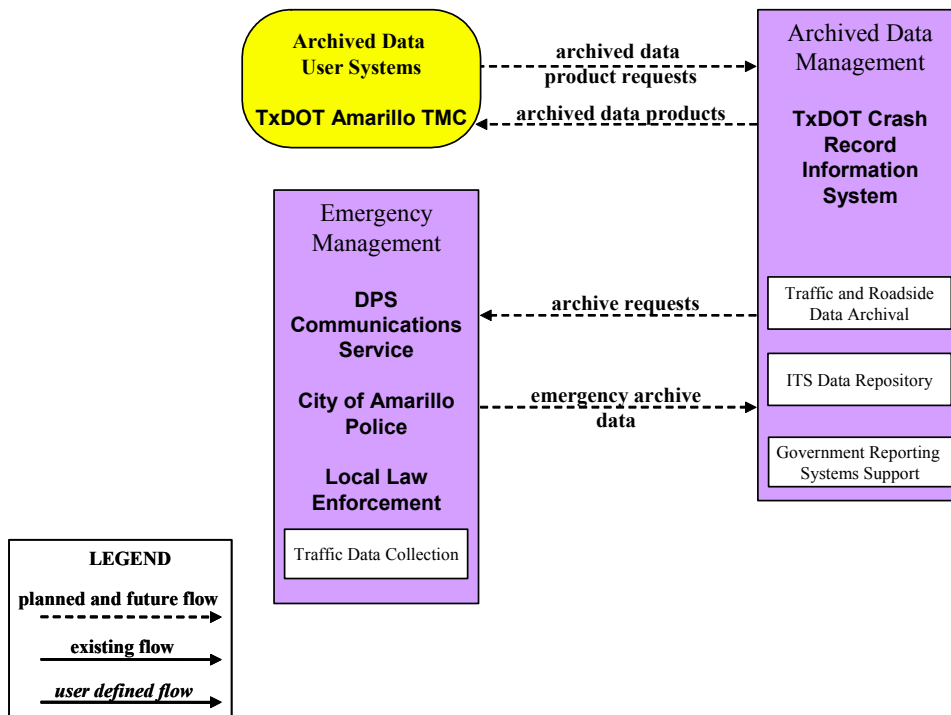


Figure A23 – ATIS1 – Broadcast Traveler Information: TxDOT TMC Amarillo District Webpage (Inputs)

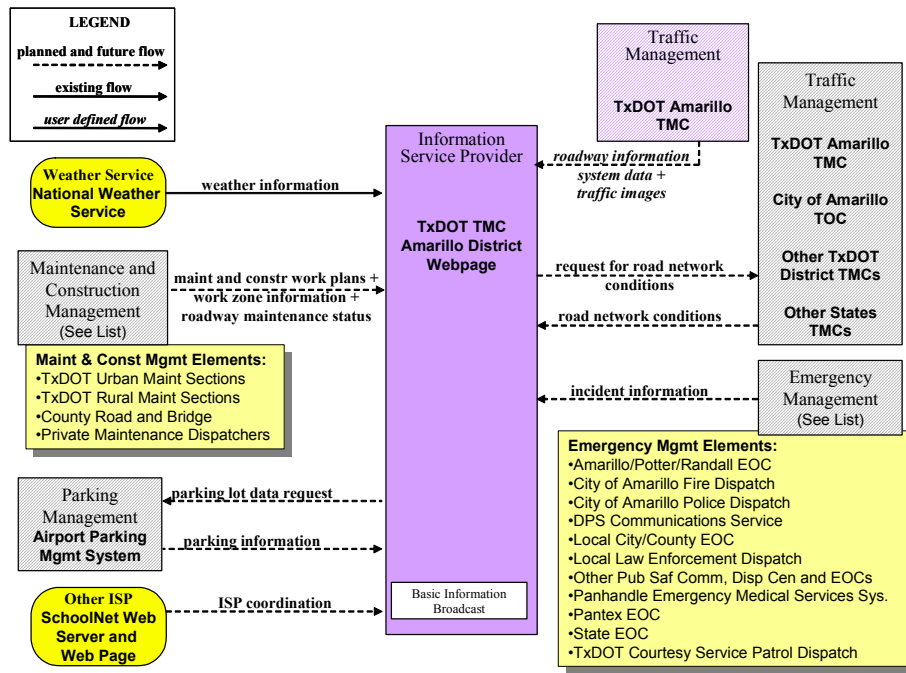


Figure A24 – ATIS1 – Broadcast Traveler Information: TxDOT TMC Amarillo District Webpage (Outputs)

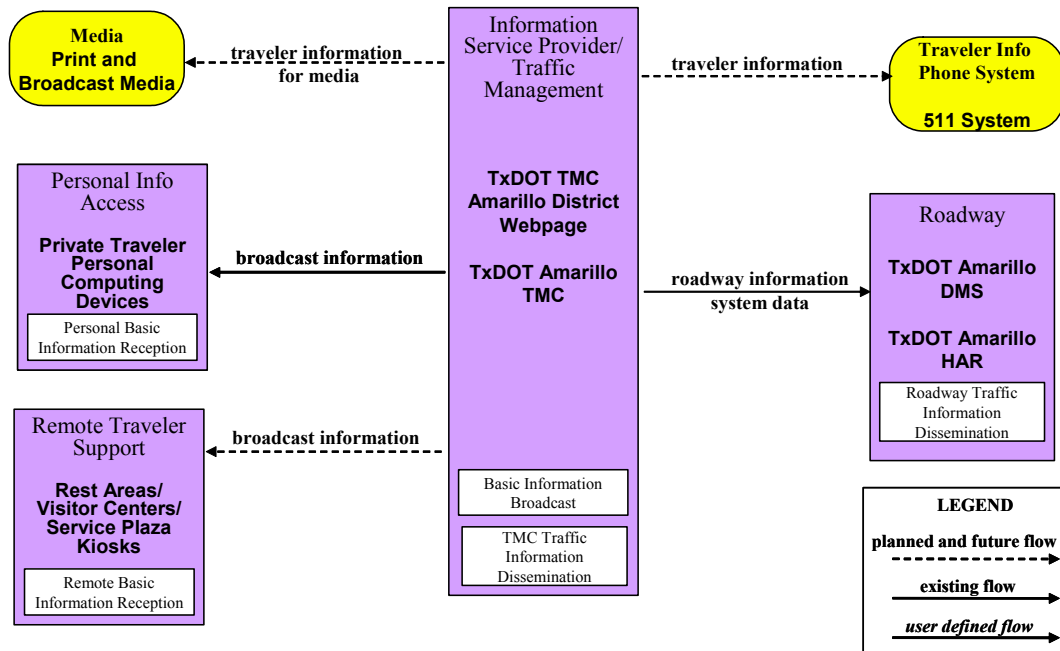


Figure A25 – ATIS1 – Broadcast Traveler Information: TxDOT Highway Condition Reporting System

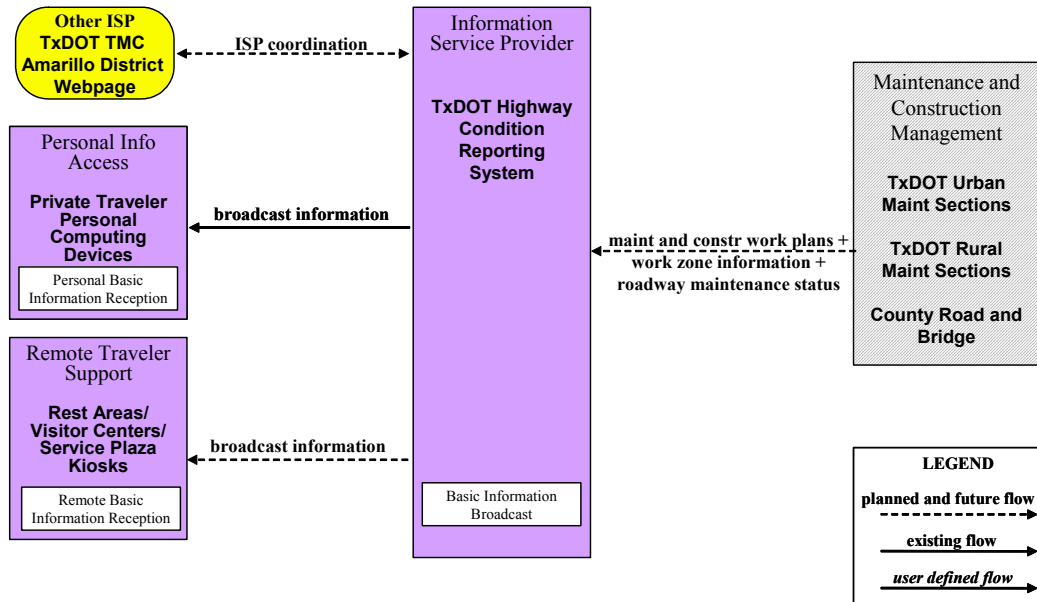


Figure A26 – ATIS5 – ISP Based Route Guidance: TxDOT Motor Carrier Routing Information

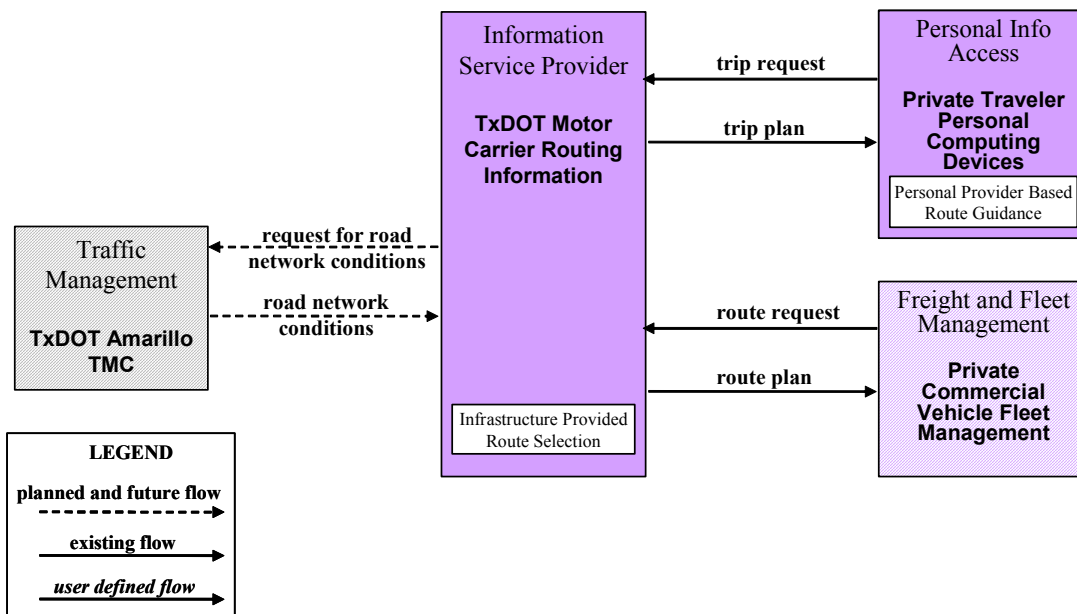


Figure A27 – ATMS01 – Network Surveillance: City of Amarillo TOC

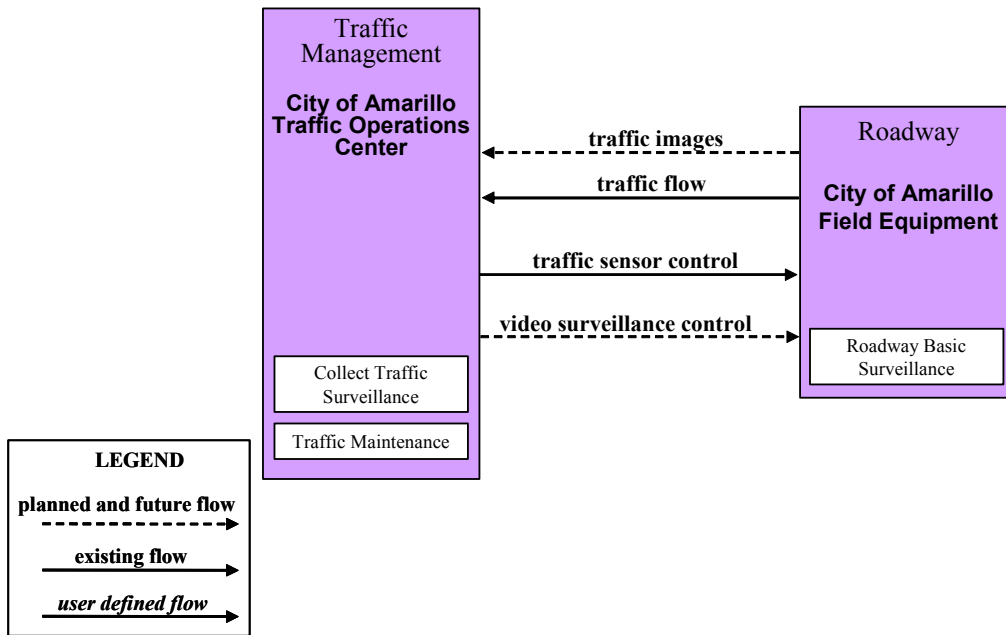


Figure A28 – ATMS01 – Network Surveillance: TxDOT Amarillo TMC

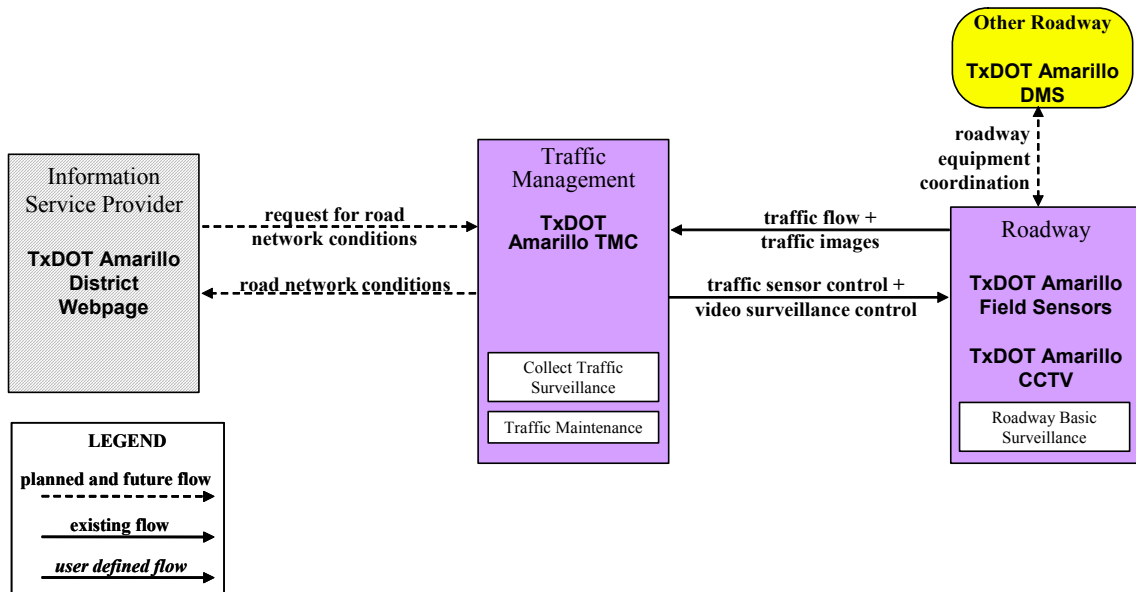


Figure A29 – ATMS2 – Probe Surveillance

A future capability to use tags on commercial vehicles along I-40 to determine travel times and speeds.

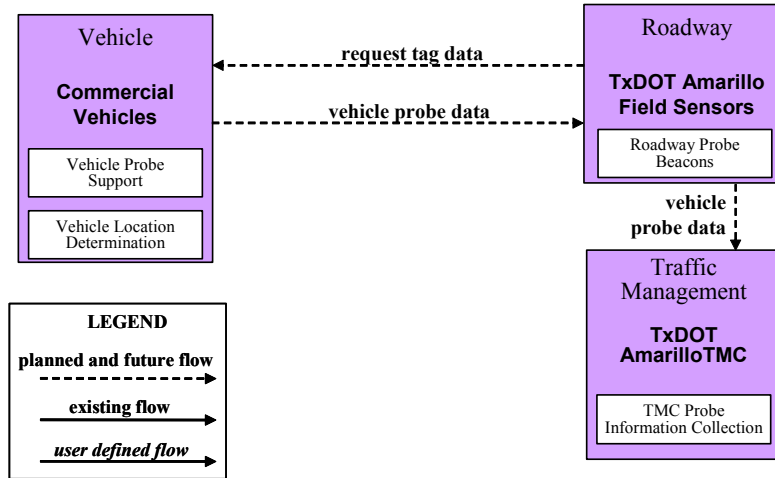


Figure A30 – ATMS3 – Surface Street Control: City of Amarillo TOC

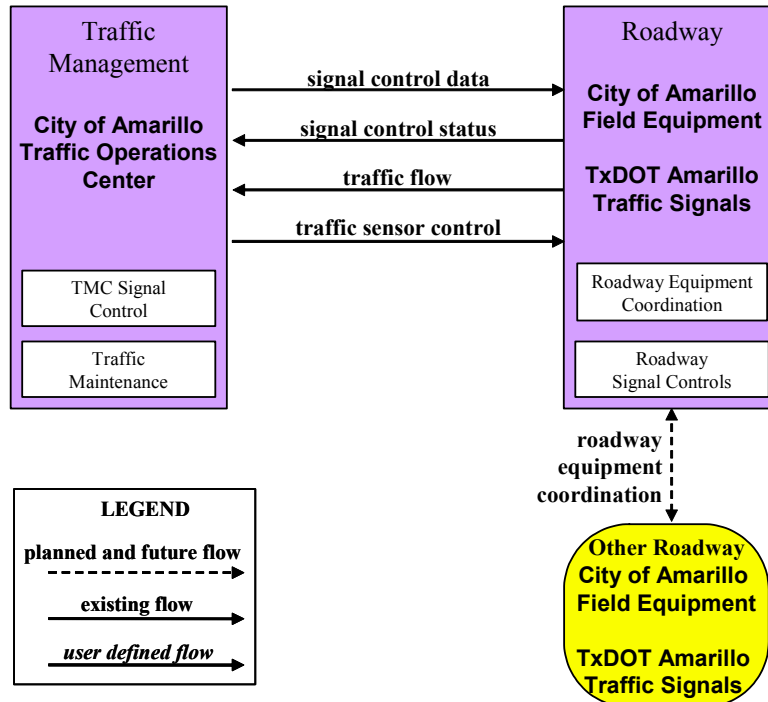


Figure A31 – ATMS3 – Surface Street Control: TxDOT Amarillo TMC

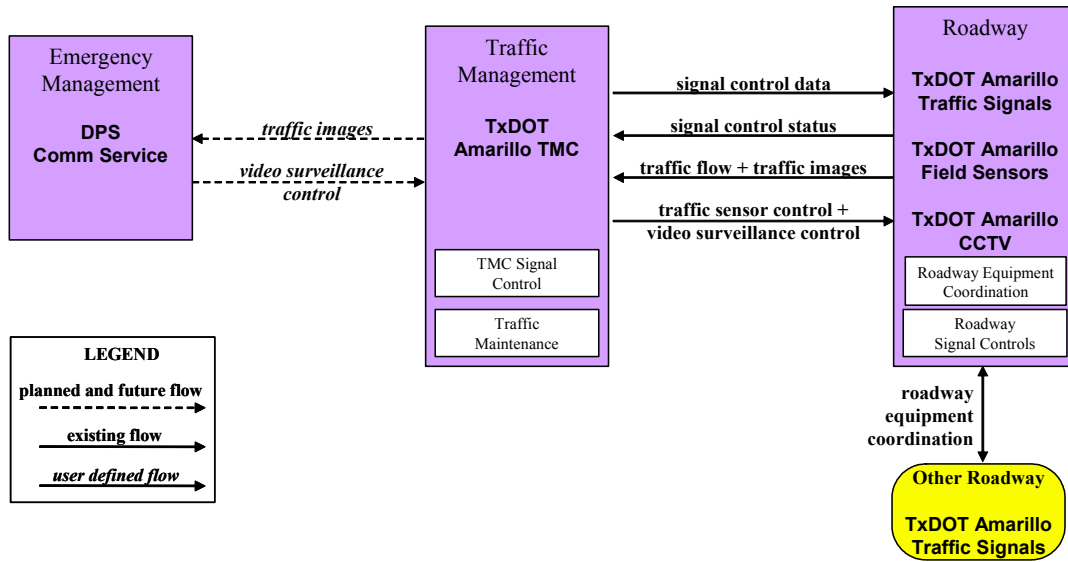


Figure A32 – ATMS4 – Freeway Control: TxDOT Amarillo TMC

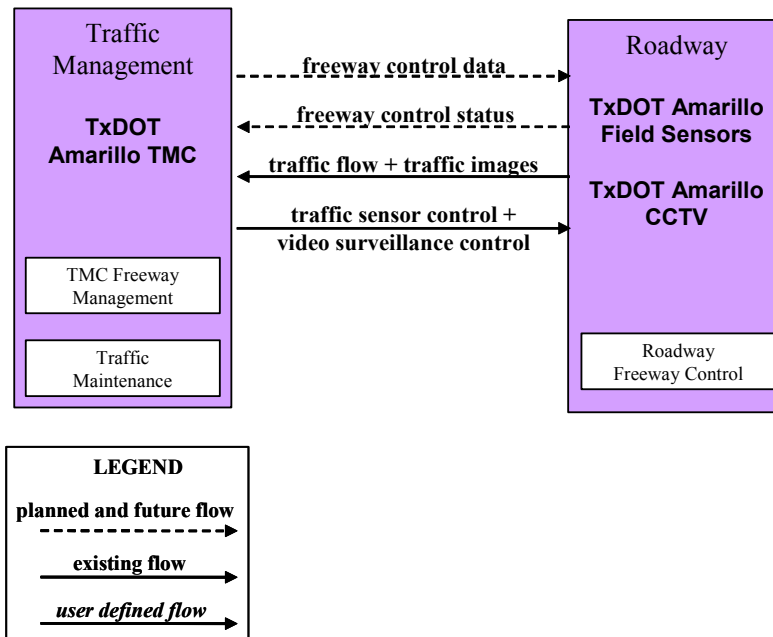


Figure A33 – ATMS6 – Traffic Information Dissemination: TxDOT Amarillo TMC

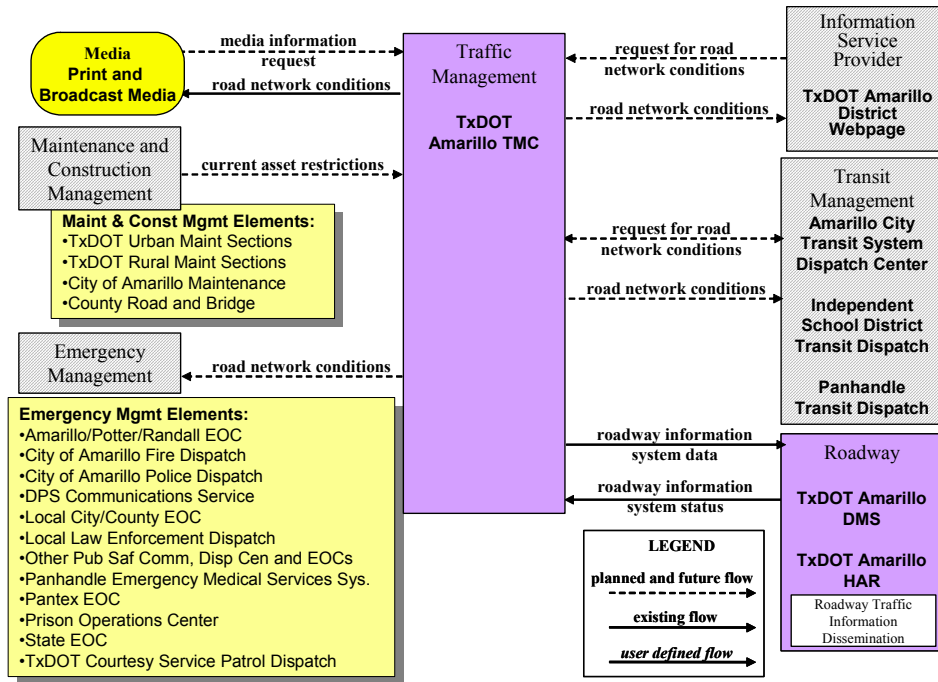


Figure A34 – ATMS7 – Regional Traffic Control and Coordination

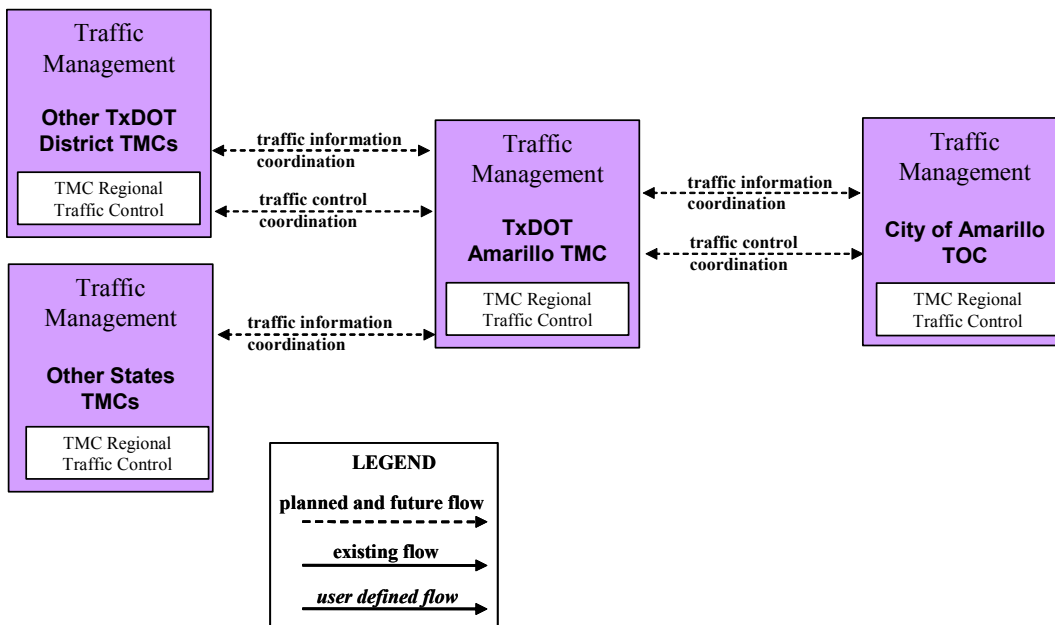


Figure A35 – ATMS8 – Incident Management System: EM to MCM

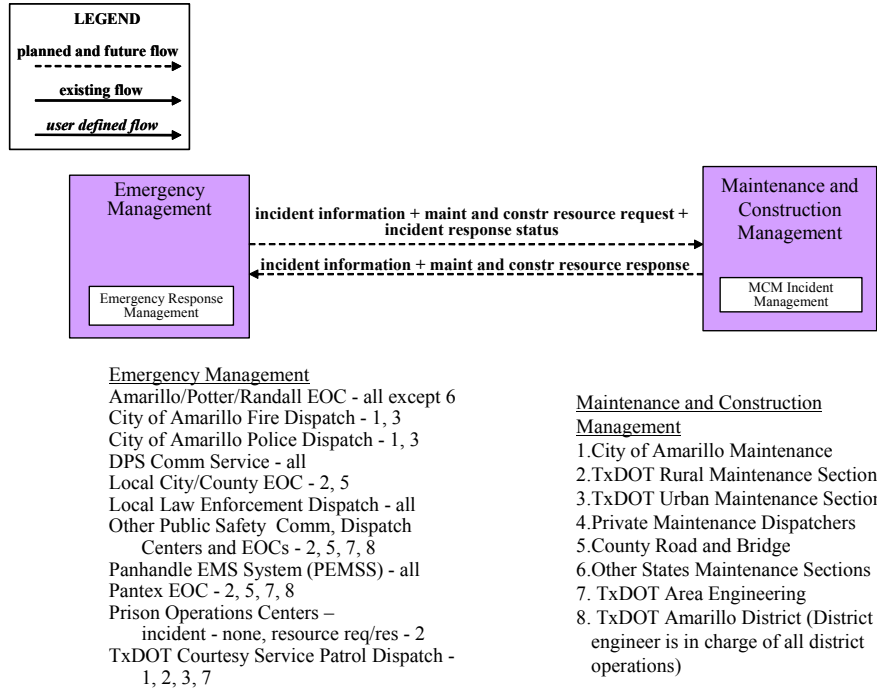
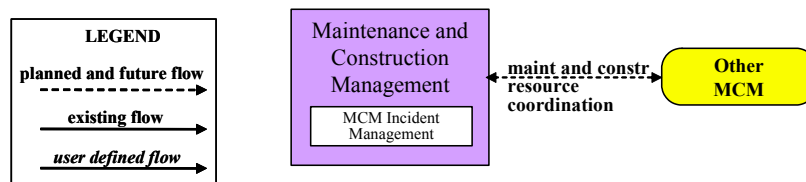


Figure A36 – ATMS8 – Incident Management System: MCMS to Other MCM



Maintenance and Construction Management Centers	City of Amarillo Maint	County Road and Bridge	Other States Maint Sections	Private Maint Dispatchers	TxDOT Rural Maint Sections	TxDOT Urban Maint Sections
City of Amarillo Maintenance		√		√	√	√
County Road and Bridge	√		√	√	√	√
Other States Maintenance Sections		√		√	√	√
Private Maintenance Dispatchers	√	√	√		√	√
TxDOT Rural Maintenance Sections	√	√	√	√		√
TxDOT Urban Maintenance Sections	√	√	√	√	√	

Figure A37 – ATMS8 – Incident Management System: TM to MCM

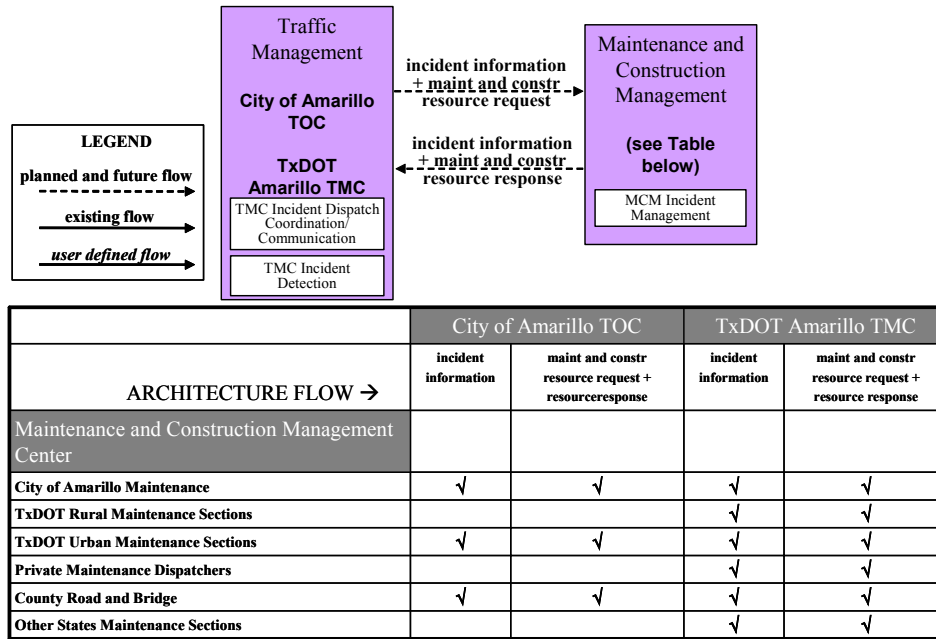


Figure A38 – ATMS8 – Incident Management System: EM to TM (1 of 3)

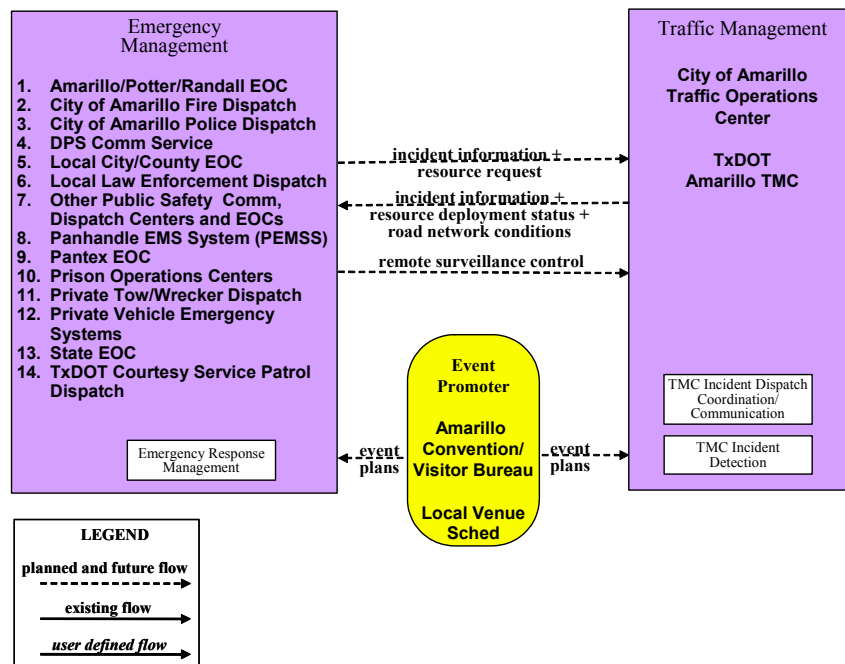


Figure A39 – ATMS8 – Incident Management System: EM to TM (2 of 3)

ARCHITECTURE FLOW →	City of Amarillo TOC			TxDOT Amarillo TMC		
	incl. info + road netw. conditions	resource request + resource depl. status	remote surveillance control	incl. info + road netw. conditions	resource request + resource depl. status	remote surveillance control
Emergency Management Center						
Amarillo/Potter/Randall EOC	√	√		√	√	
City of Amarillo Fire Dispatch	√	√		√	√	
City of Amarillo Police Dispatch	√	√		√	√	
DPS Comm Service	√	√		√	√	√
Local City/County EOC				√	√	
Local Law Enforcement Dispatch	√	√		√	√	
Other Public Safety Comm, Dispatch Centers and EOCs				√	√	
Panhandle EMS System (PEMSS)	√	√		√	√	
Pantex EOC	√	√		√	√	
Prison Operations Centers	√	√		√	√	
Private Tow/Wrecker Dispatch	√			√		
Private Vehicle Emergency System		√		√	√	
State EOC		√		√	√	
TxDOT Courtesy Service Patrol Dispatch	√	√		√	√	√

Figure A40 – ATMS8 – Incident Management System: EM to TM (3 of 3)

TERMINATOR →	Amarillo Convention/ Visitor Bureau	Local Venue Event Scheduling System
ARCHITECTURE FLOW →	event plans	event plans
Emergency Management Center		
Amarillo/Potter/Randall EOC		
City of Amarillo Fire Dispatch		
City of Amarillo Police Dispatch	√	√
DPS Comm Service	√	√
Local City/County EOC		
Local Law Enforcement Dispatch	√	√
Other Public Safety Comm, Dispatch Centers and EOCs		
Panhandle EMS System (PEMSS)	√	√
Pantex EOC		
Prison Operations Centers		
Private Tow/Wrecker Dispatch		
Private Vehicle Emergency Systems		
State EOC		
TxDOT Courtesy Service Patrol Dispatch		
Traffic Management Center		
City of Amarillo TOC	√	√
TxDOT Amarillo TMC	√	√

Figure A41 – ATMS8 – Incident Management System: City of Amarillo/TxDOT TMC Roadside Element Interface

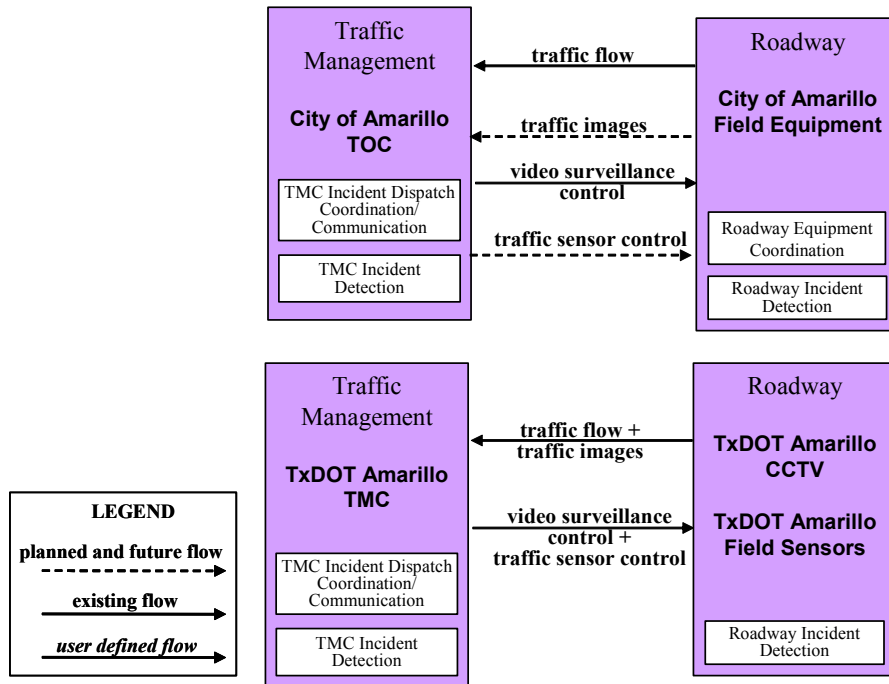


Figure A42 – ATMS8 – Incident Management System: Pantex EOC

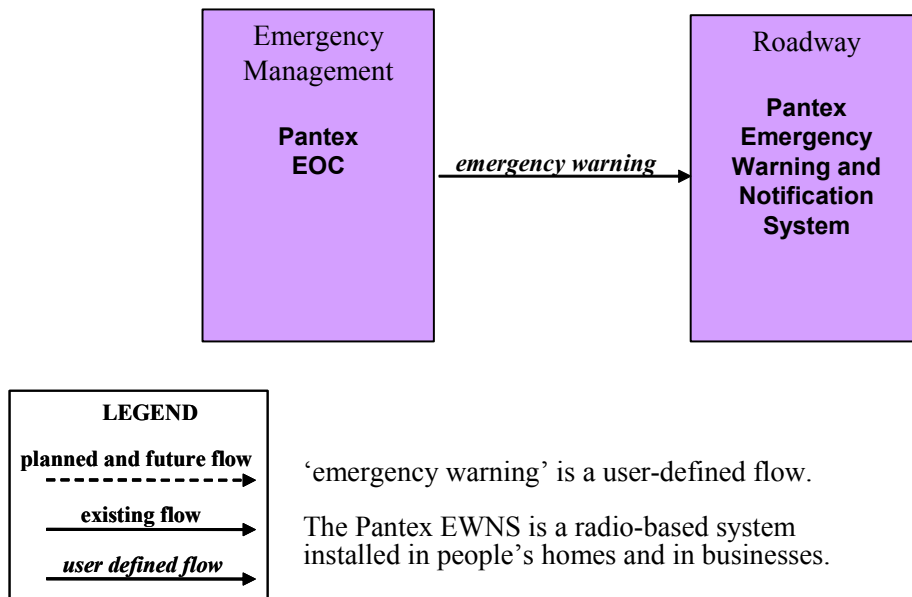


Figure A43 – ATMS8 – Incident Management System: TM to ISP – TxDOT Amarillo TMC

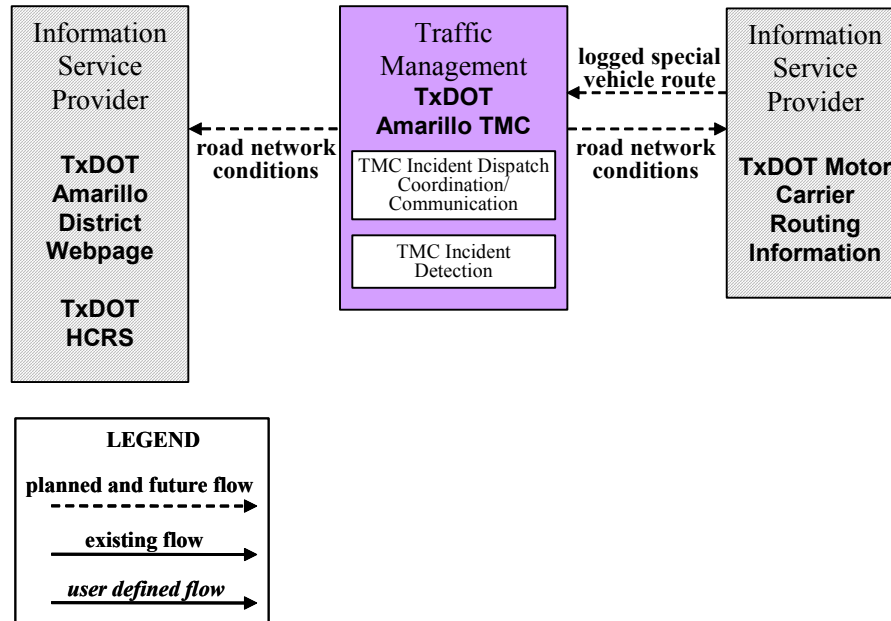


Figure A44 – ATMS8 – Incident Management System: TM to ISP – TxDOT Amarillo TMC, City of Amarillo TOC

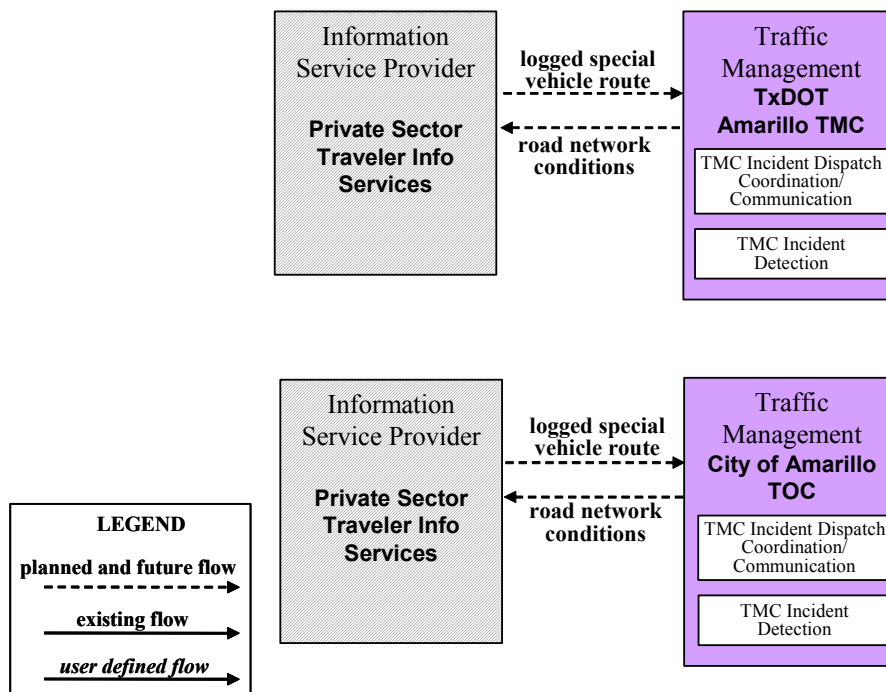


Figure A45 – ATMS8 – Incident Management System: EM to EV – City of Amarillo Fire Dispatch, Police Dispatch

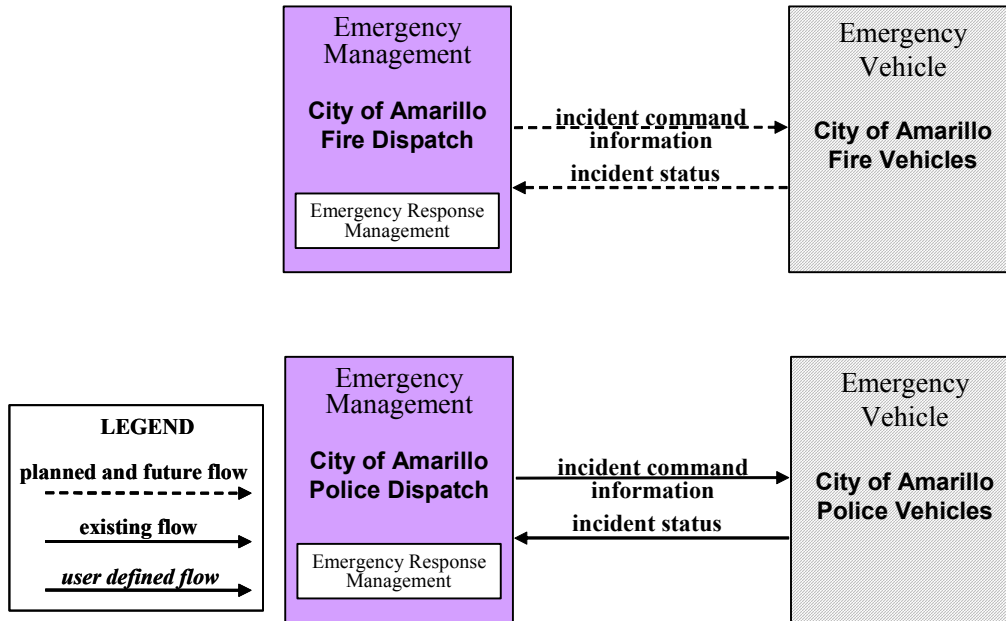
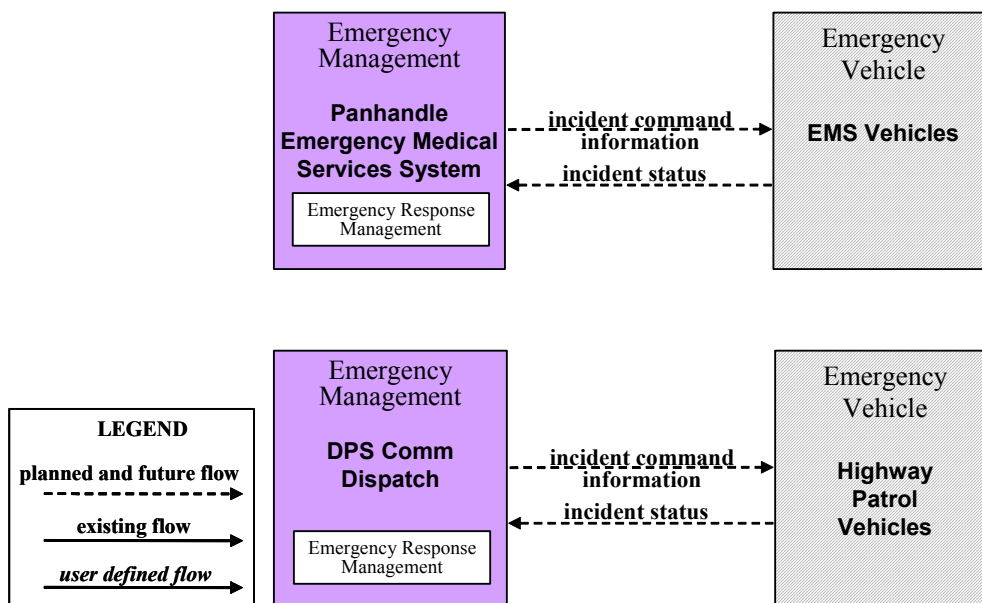
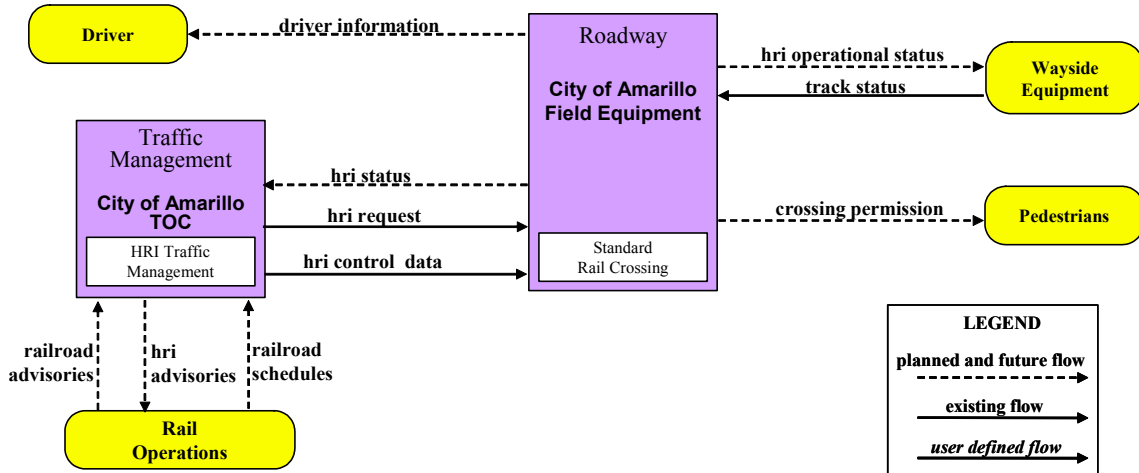


Figure A46 – ATMS8 – Incident Management System: EM to EV – Panhandle Emergency Medical Services, DPS Comm Dispatch



**Figure A47 – ATMS13/ATMS15 – Standard Railroad Grade Crossing/Railroad Operations Coord.:
City of Amarillo**



**Figure A48 – ATMS13/ATMS 15 – Standard Railroad Grade Crossing/Railroad Operations Coord.:
TxDOT Amarillo TMC**

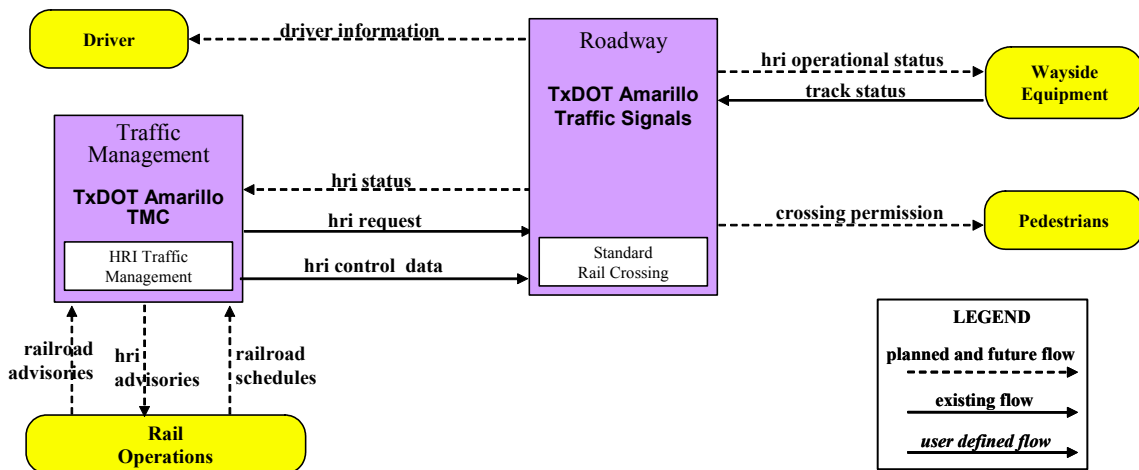


Figure A49 – ATMS16 – Parking Facility Management: City of Amarillo Airport

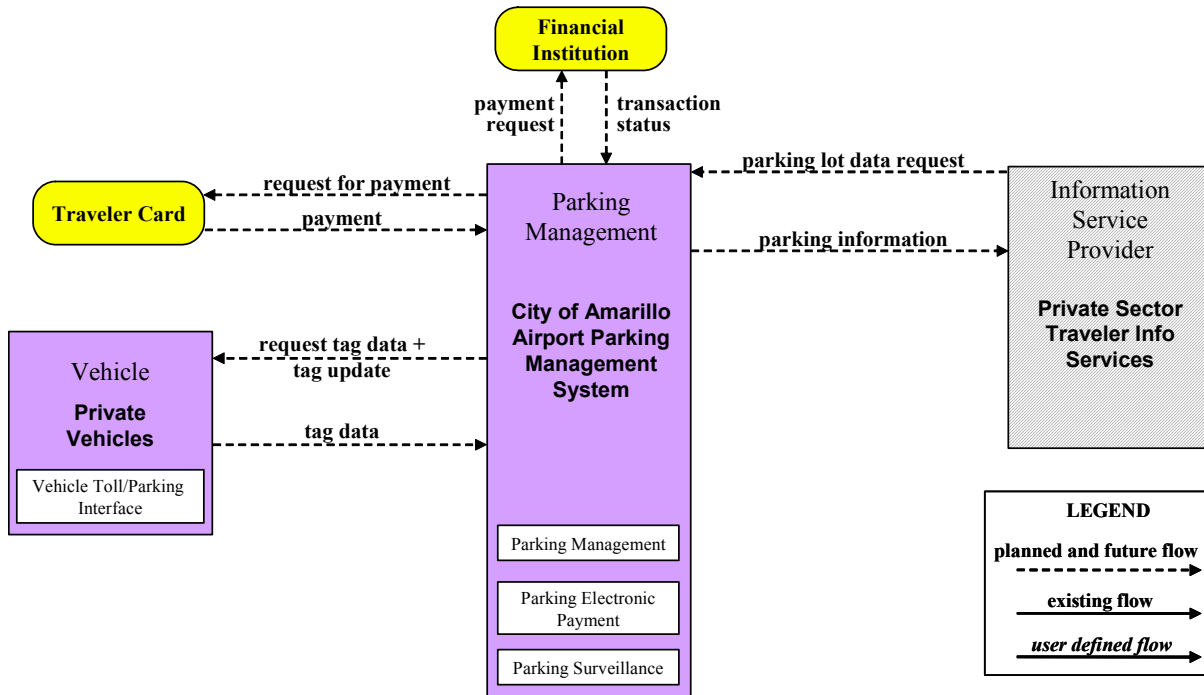


Figure A50 – APTS1 – Transit Vehicle Tracking: Amarillo City Transit

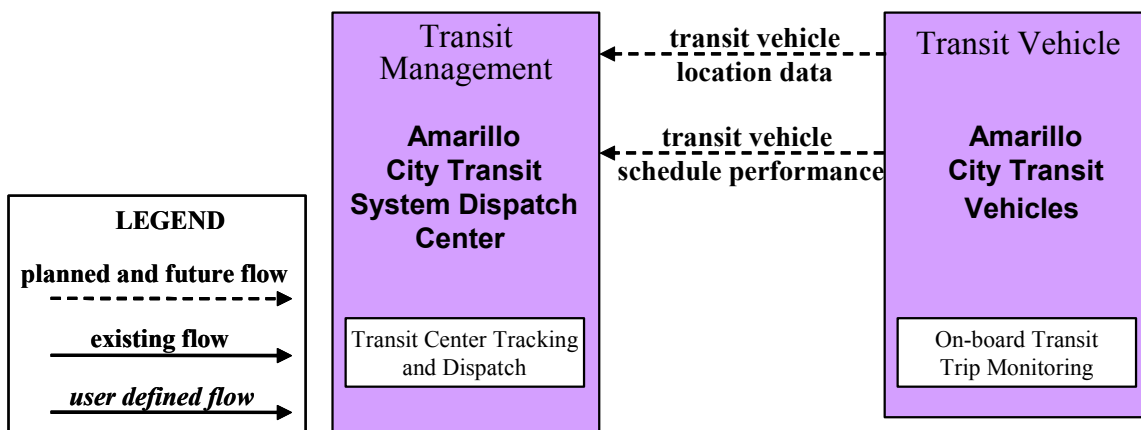


Figure A51 – APTS1 – Transit Vehicle Tracking: Independent School Districts

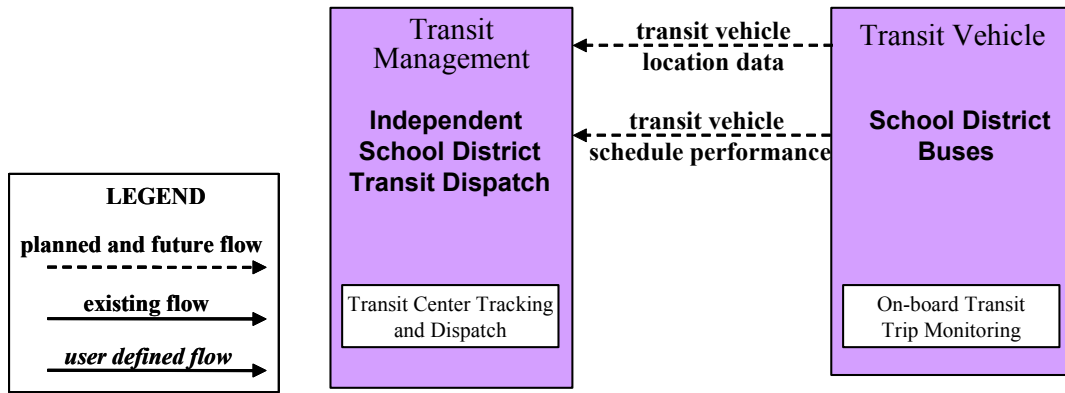


Figure A52 – APTS1 – Transit Vehicle Tracking: Panhandle Transit

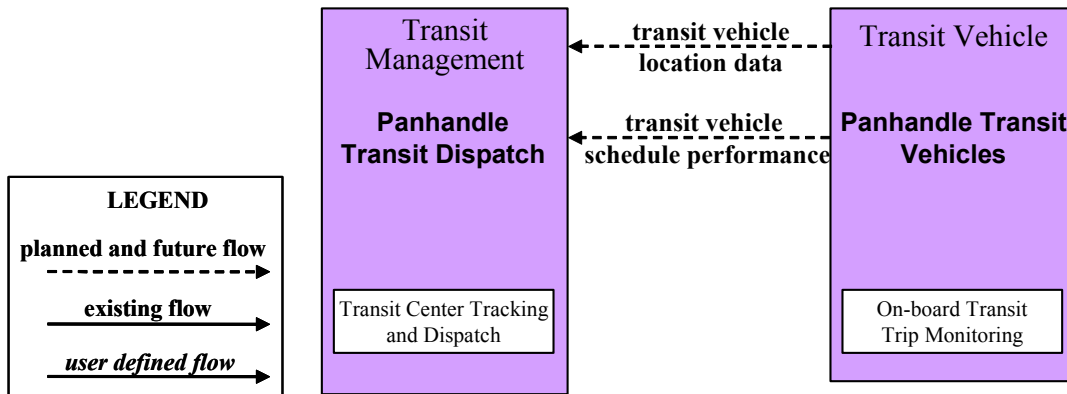


Figure A53 – APTS2 – Transit Fixed-Route Operations: Amarillo City Transit

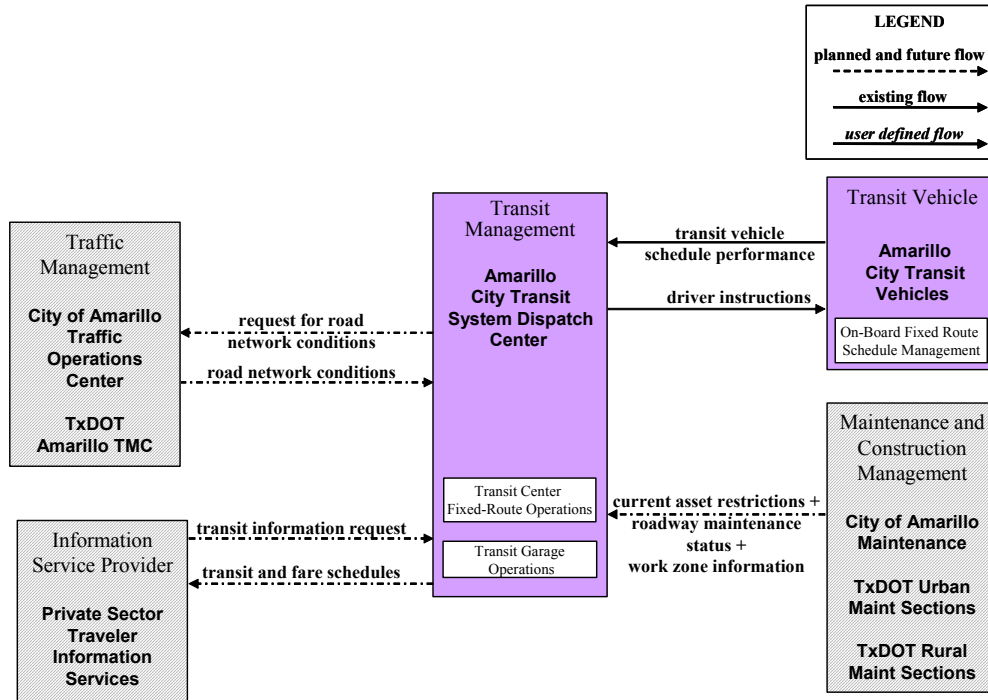


Figure A54 – APTS2 – Transit Fixed-Route Operations: Independent School Districts

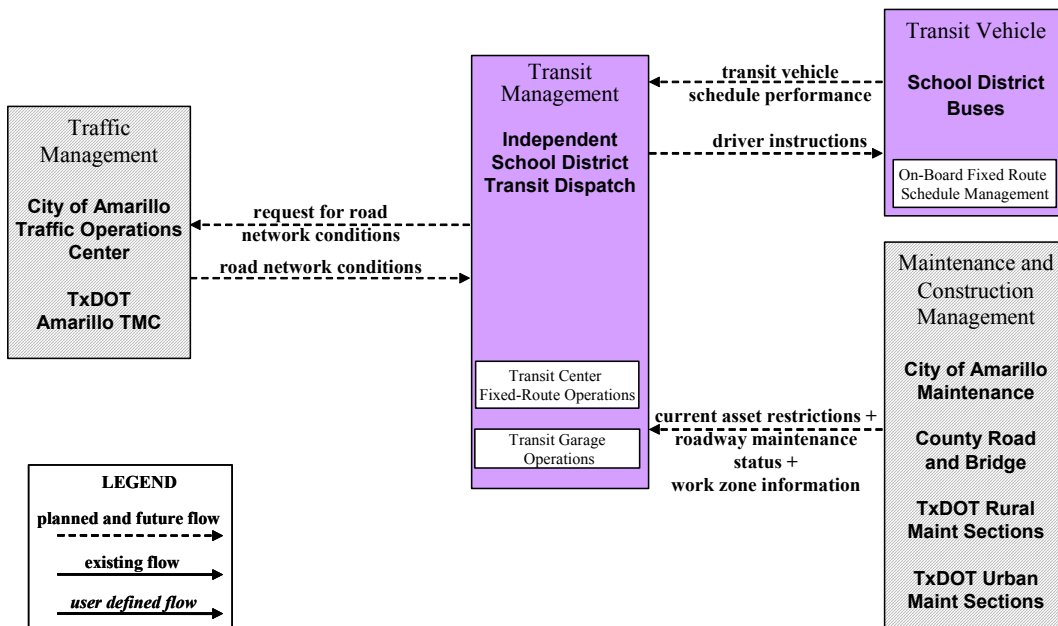


Figure A55 – APTS3 – Demand Response Transit Operations: Amarillo City Transit

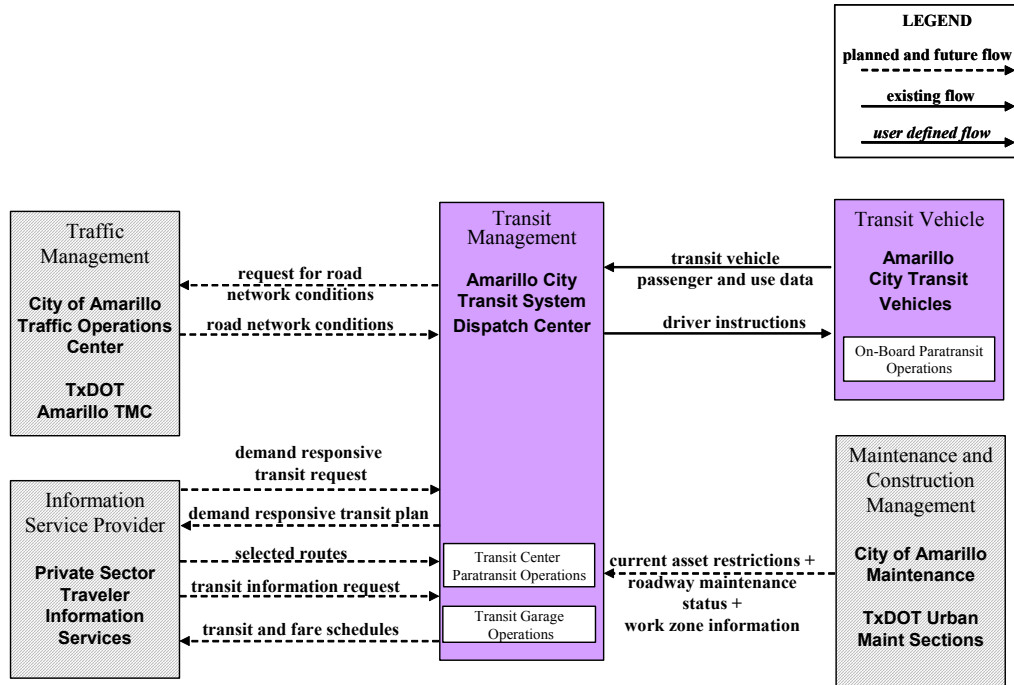


Figure A56 – APTS3 – Demand Response Transit Operations: Panhandle Transit

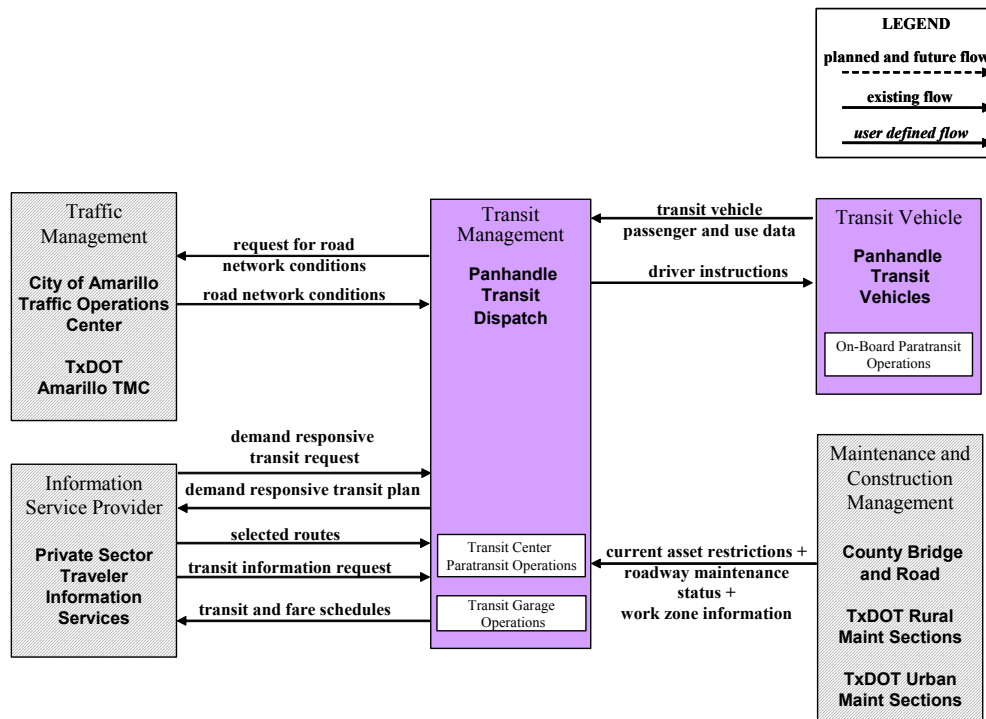


Figure A57 – APTS4 –Transit Passenger and Fare Management: Amarillo City Transit

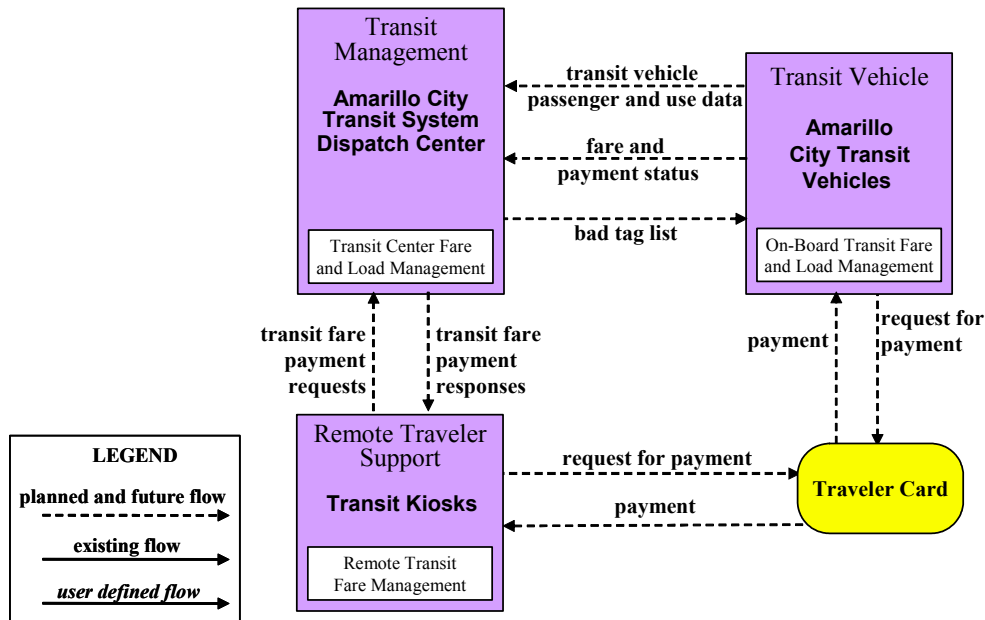


Figure A58 – APTS5 – Transit Security: Amarillo City Transit

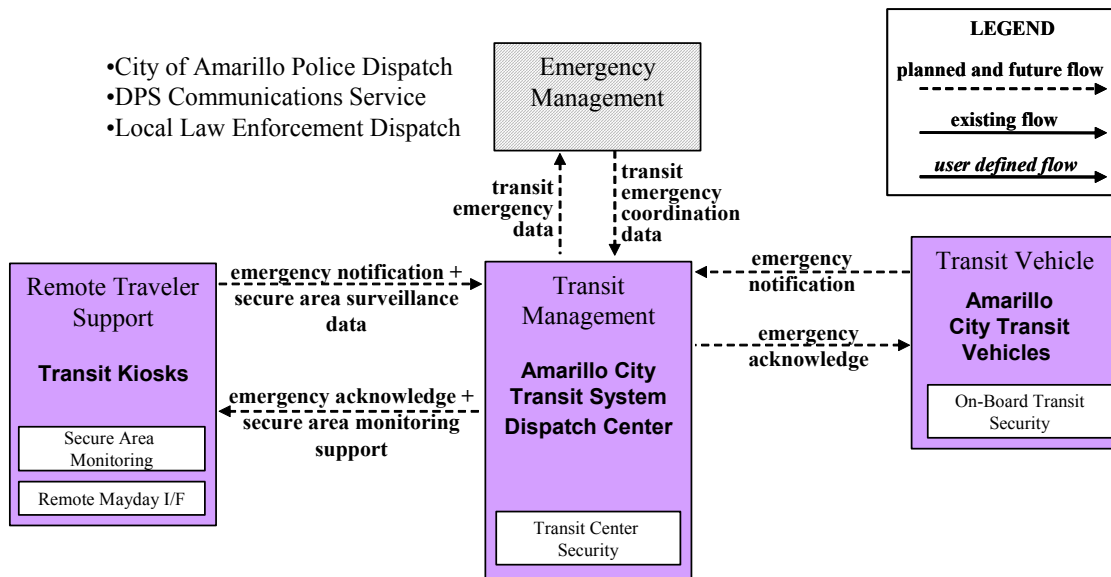


Figure A59 – APTS8 – Transit Traveler Information: Amarillo City Transit

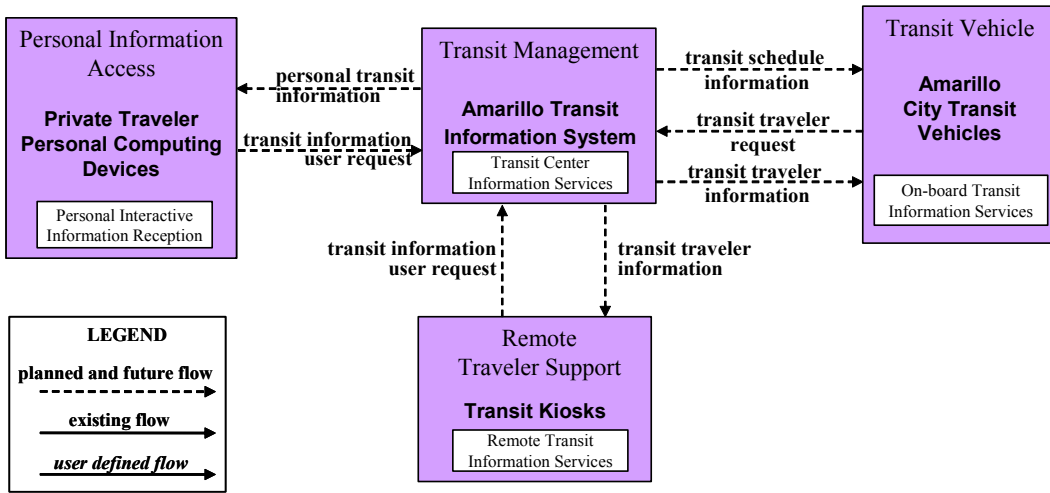


Figure A60 – MC01/02 – Maintenance and Construction Vehicle: Tracking/Maintenance Urban/Rural Maintenance Sections

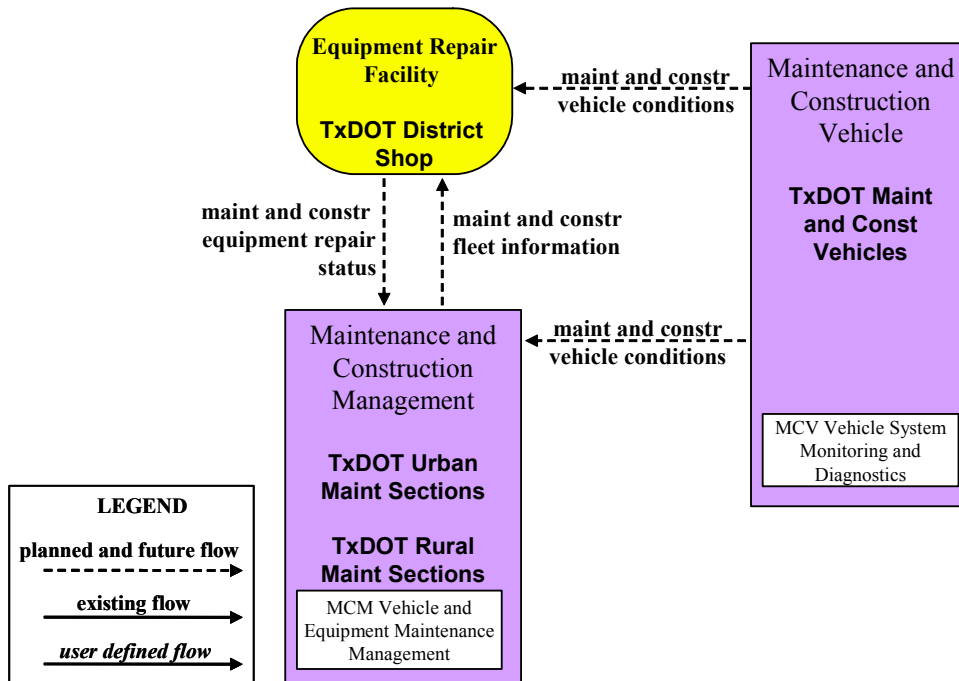


Figure A61 – MC03 – Road Weather Data Collection: TxDOT Amarillo TMC

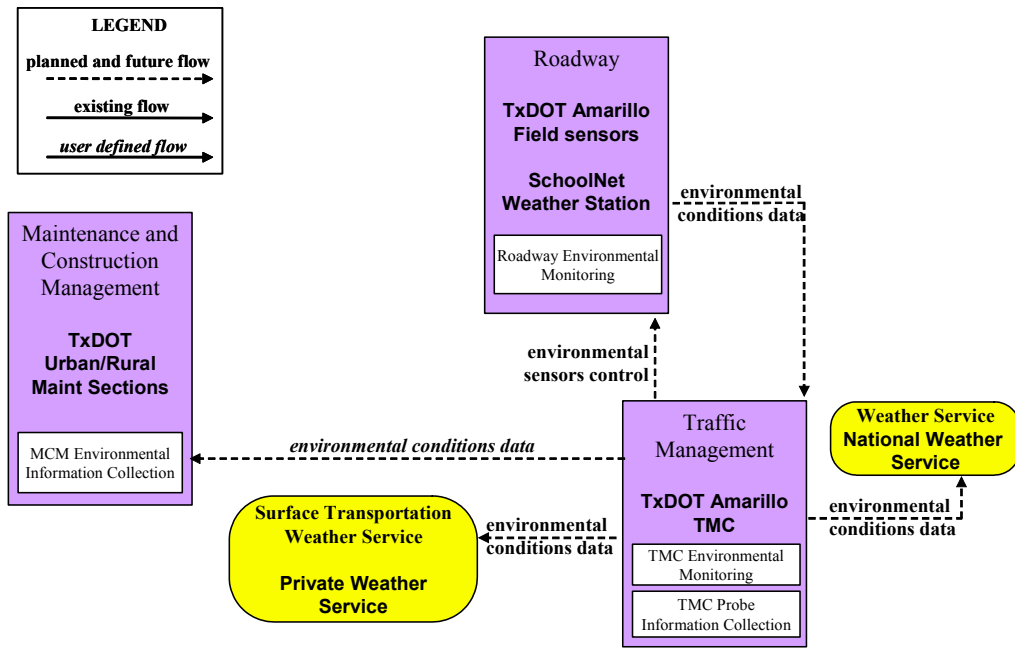


Figure A62 – MC04 – Weather Information Processing and Distribution (1 of 4): TxDOT Amarillo TMC

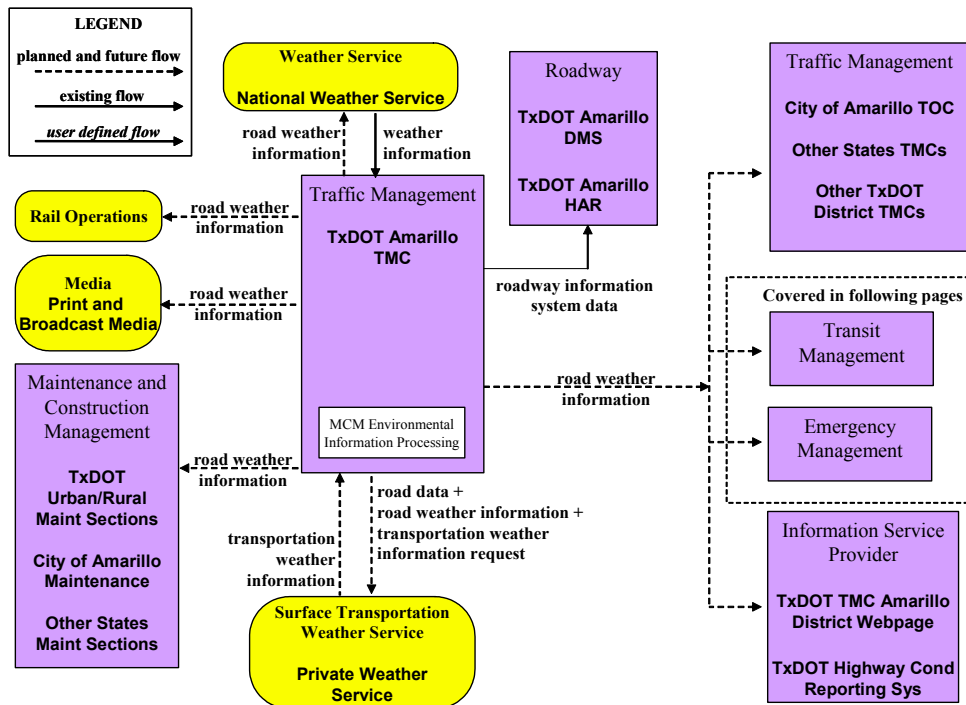


Figure A63 – MC04 – Weather Information Distribution (2 of 4): Transit Management

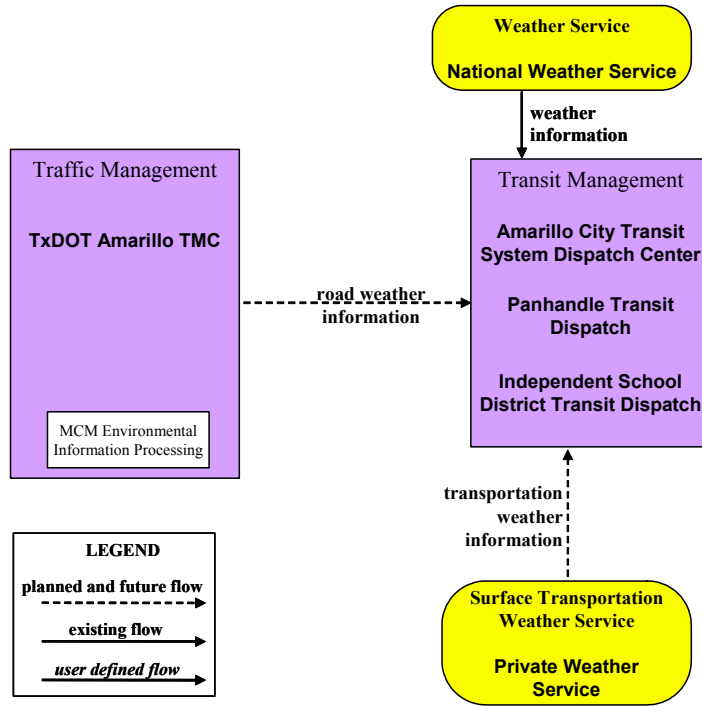


Figure A64 – MC04 – Weather Information Distribution (3 of 4): Emergency Management

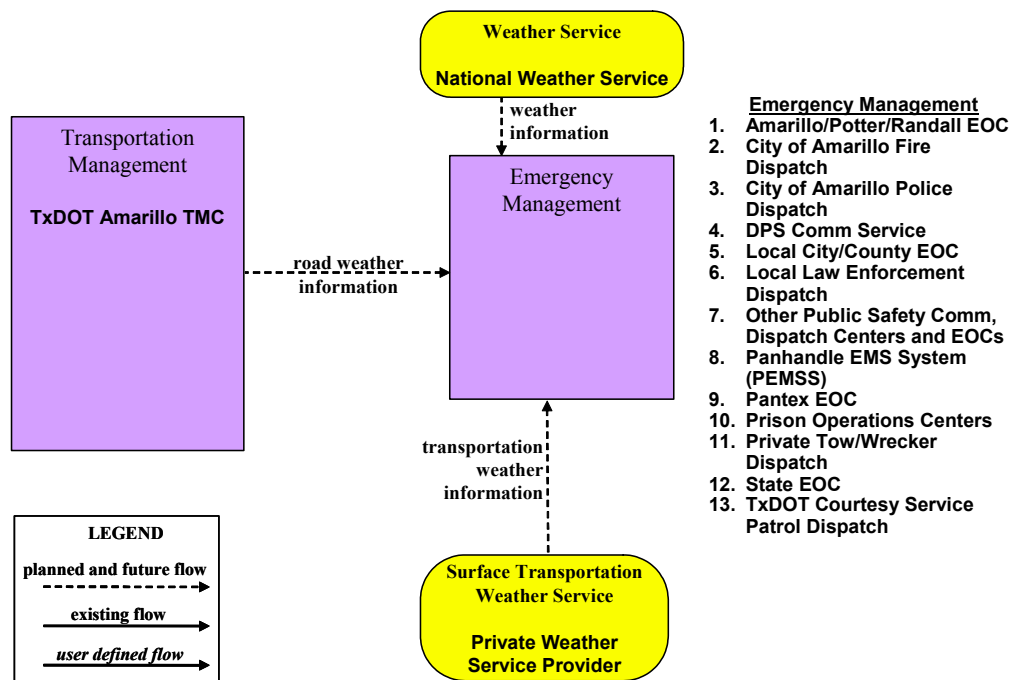


Figure A65 – MC04 – Weather Information Distribution (4 of 4): Emergency Management Details

	TxDOT Amarillo TMC	National Weather Service	Private Weather Service Provider
ARCHITECTURE FLOW →	road weather information	weather information	transportation weather information
Emergency Management Center			
Amarillo/Potter/Randall EOC	√	√	√
City of Amarillo Fire Dispatch	√		
City of Amarillo Police Dispatch	√		
DPS Comm Service	√	√	√
Local City/County EOC	√	√	√
Local Law Enforcement Dispatch	√		
Other Public Safety Comm, Dispatch Centers and EOCs	√		
Panhandle EMS System (PEMSS)	√	√	√
Pantex EOC	√	√	√
Prison Operations Centers	√		√
Private Tow/Wrecker Dispatch	√		
State EOC	√		
TxDOT Courtesy Service Patrol Dispatch	√		

Figure A66 – MC05 – Roadway Automated Treatment: TxDOT Urban and Rural Maintenance Sections

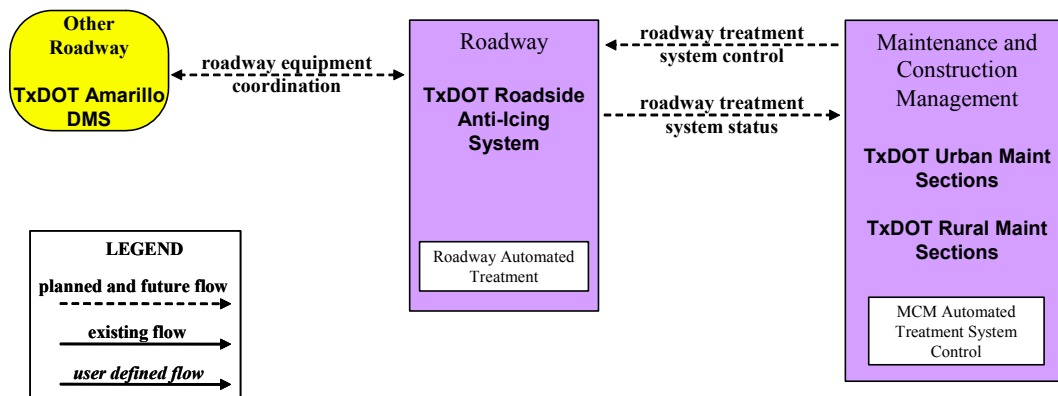


Figure A67 – MC06 – Winter Maintenance: TxDOT Urban and Rural Maintenance Sections (1 of 4)

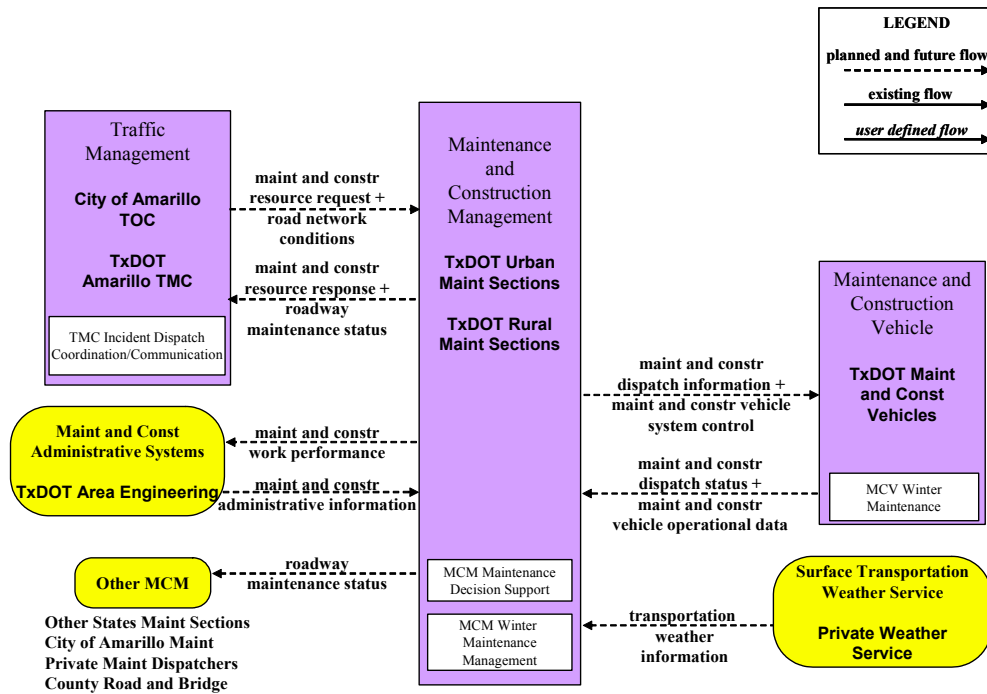


Figure A68 – MC06 – Winter Maintenance: City of Amarillo Maintenance (2 of 4)

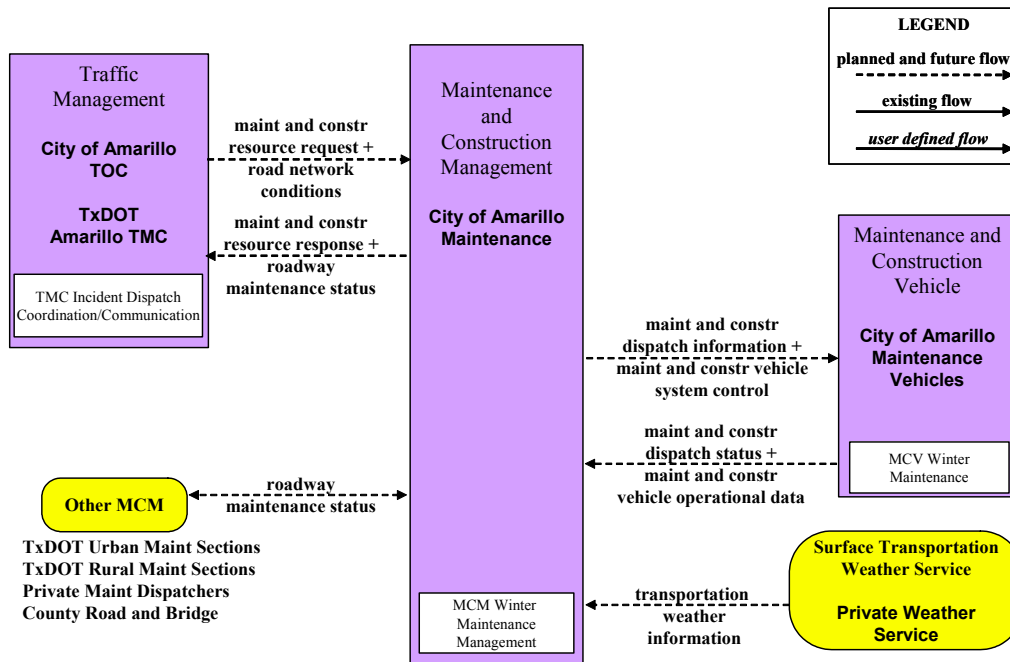


Figure A69 – MC06 – Winter Maintenance: (3 of 4)

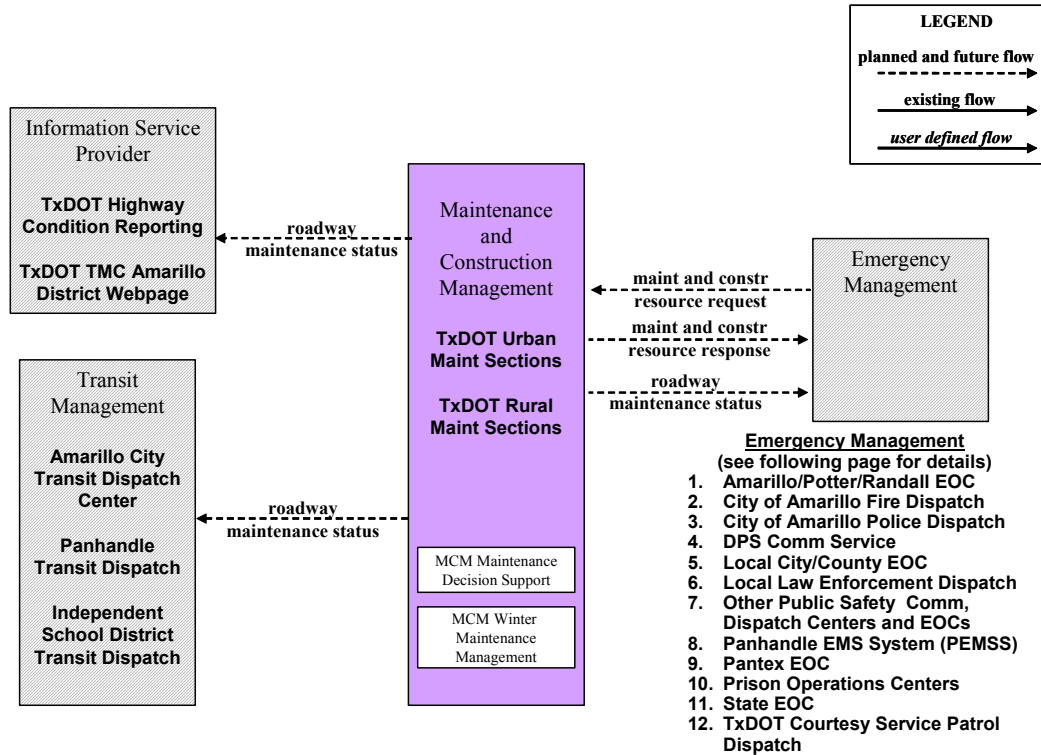


Figure A70 – MC06 – Winter Maintenance: EM to MCMS (4 of 4)

ARCHITECTURE FLOW →	TxDOT Urban Maint Sections		TxDOT Rural Maint Sections	
	resource request+ resource response	roadway maintenance status	resource request+ resource response	roadway maintenance status
Emergency Management Center				
Amarillo/Potter/Randall EOC	√	√	√	√
City of Amarillo Fire Dispatch	√	√	√	√
City of Amarillo Police Dispatch	√	√	√	√
DPS Comm Service	√	√	√	√
Local City/County EOC	√	√	√	√
Local Law Enforcement Dispatch	√	√	√	√
Other Public Safety Comm, Dispatch Centers and EOCs		√		
Panhandle EMS System (PEMSS)	√	√		
Pantex EOC				
Prison Operations Centers				
Private Tow/Wrecker Dispatch	√	√	√	√
Private Vehicle Emergency Systems				
State EOC	√	√		
TxDOT Courtesy Service Patrol Dispatch	√	√		

Figure A71 – MC07 – Roadway Maintenance and Construction: TxDOT Maintenance

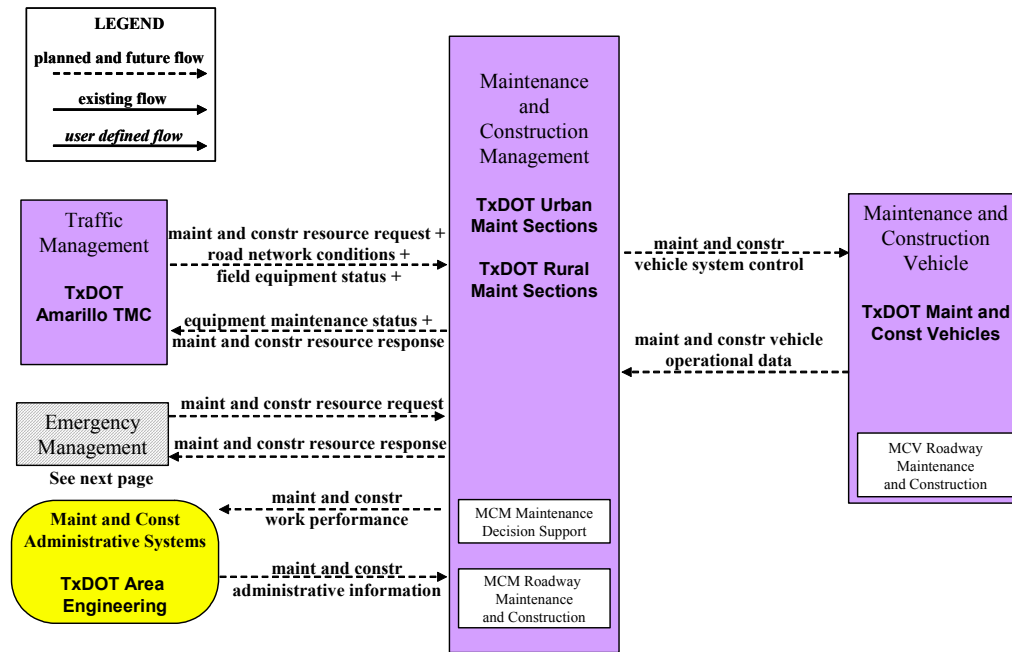


Figure A72 – MC07 – Roadway Maintenance: EM to MCMS

	TxDOT Urban Maint Sections	TxDOT Rural Maint Sections
ARCHITECTURE FLOW →	resource request + resource response	resource request + resource response
Emergency Management Center		
Amarillo/Potter/Randall EOC	√	√
City of Amarillo Fire Dispatch	√	√
City of Amarillo Police Dispatch	√	√
DPS Comm Service	√	√
Local City/County EOC	√	√
Local Law Enforcement Dispatch	√	√
Panhandle EMS System (PEMSS)	√	
Private Tow/Wrecker Dispatch	√	√
State EOC	√	

Figure A73 – MC07 – Roadway Maintenance and Construction: City of Amarillo Maintenance

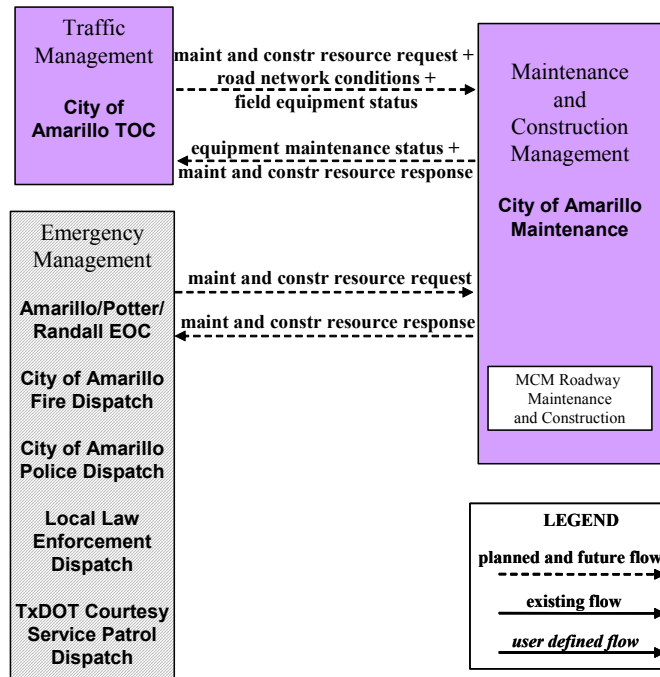


Figure A74 – MC08 – Work Zone Management: TxDOT Maintenance/Construction

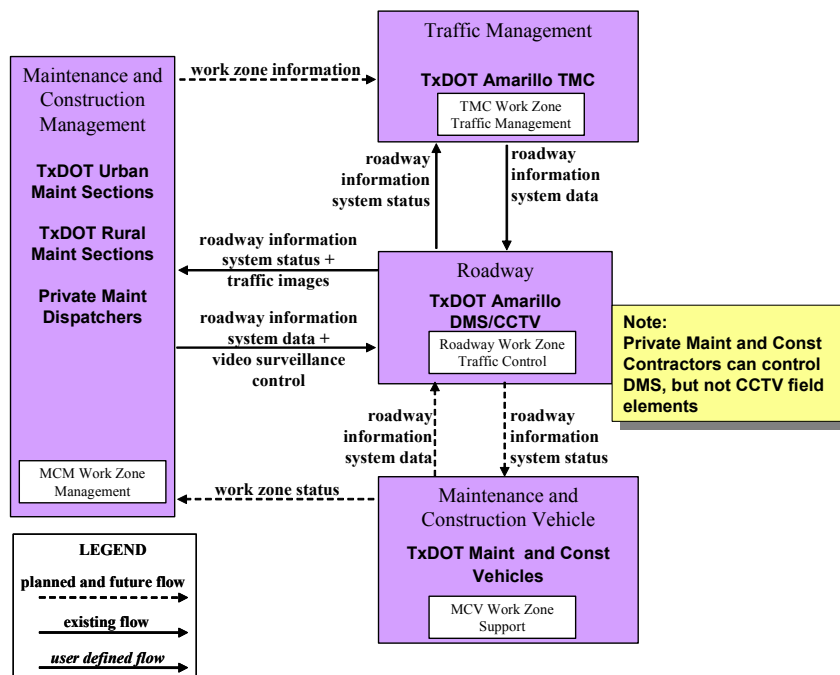


Figure A75 – MC08 – Work Zone Management: TxDOT Maintenance – Work Zone Info Distribution

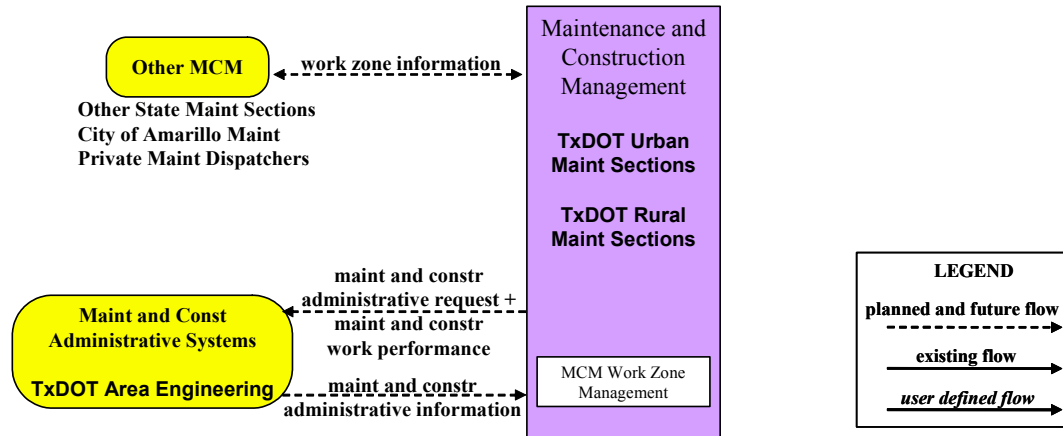


Figure A76 – MC08 – Work Zone Management: TxDOT Maintenance – Work Zone Info Distribution to EM

	TxDOT Amarillo TMC	City of Amarillo TOC
ARCHITECTURE FLOW* →	work zone information	work zone information
Emergency Management Center		
Amarillo/Potter/Randall EOC	√	√
City of Amarillo Fire Dispatch	√	√
City of Amarillo Police Dispatch	√	√
DPS Comm Service	√	√
Local City/County EOC	√	√
Local Law Enforcement Dispatch	√	√
Other Public Safety Comm, Dispatch Centers and EOCs	√	√
Panhandle EMS System (PEMSS)	√	√
Pantex EOC	√	√
Prison Operations Centers	√	√
Private Tow/Wrecker Dispatch	√	√
Private Vehicle Emergency Systems	√	√
State EOC	√	
TxDOT Courtesy Service Patrol Dispatch	√	√

Figure A77 – MC09 – Work Zone Safety Monitoring: TxDOT Urban/Rural Work Zones

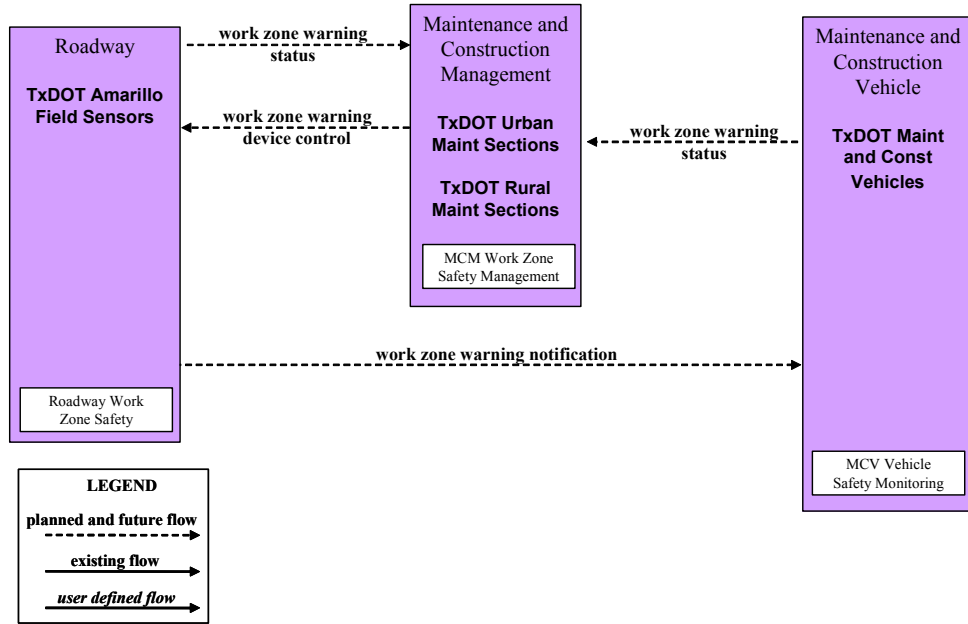


Figure A78 – MC10 – Maintenance and Construction Activity Coordination: TxDOT (1 of 2)

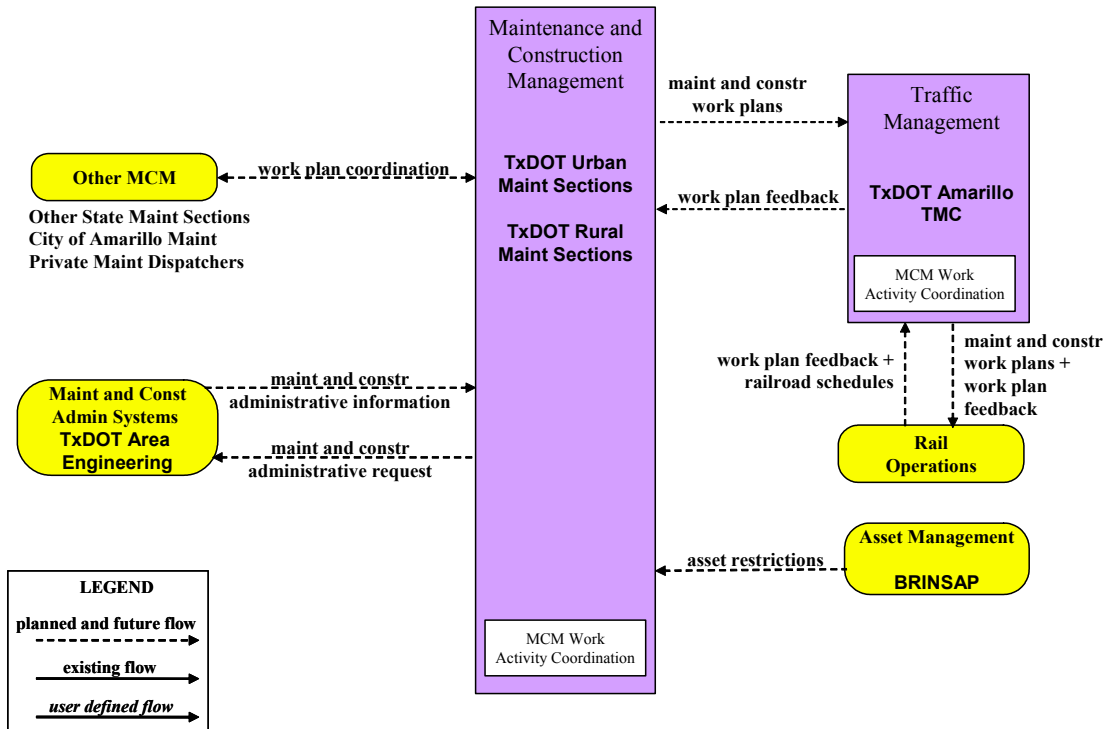


Figure A79 – MC10 – Maintenance and Construction Activity Coordination: TxDOT (2 of 2)

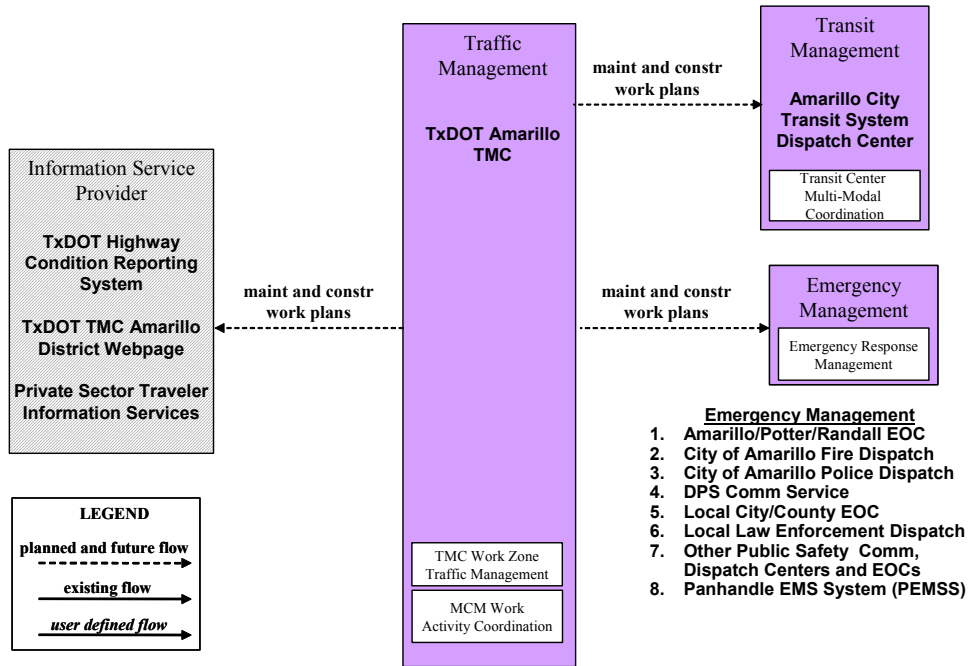
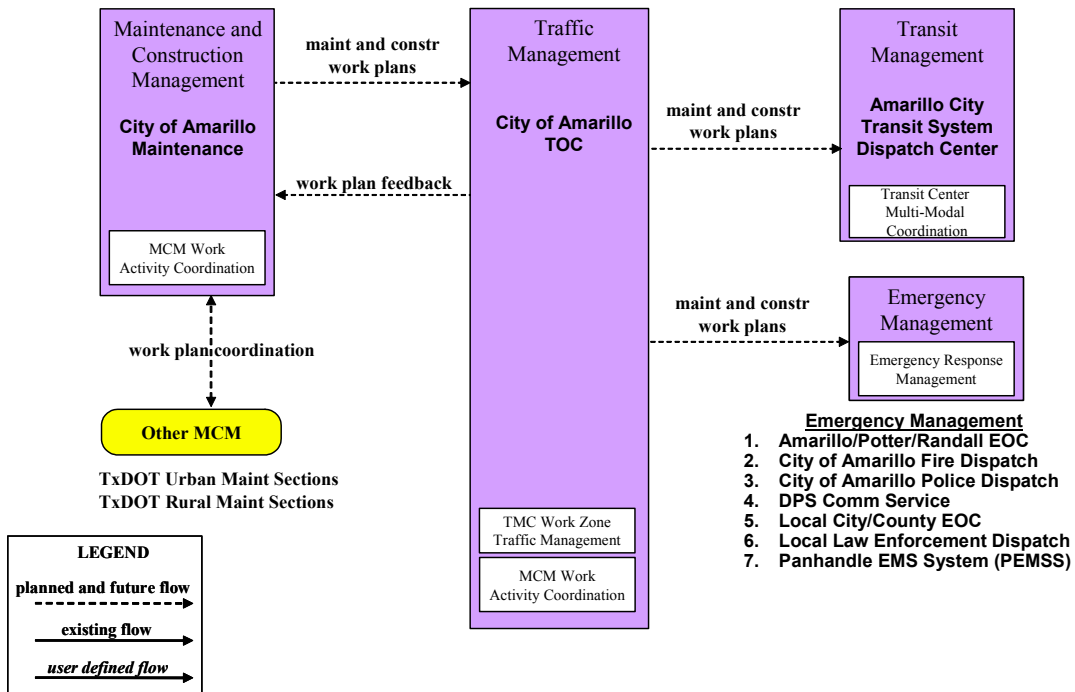


Figure A80 – MC10 – Maintenance and Construction Activity Coordination: City of Amarillo Maintenance



APPENDIX B – INTERFACE DIAGRAMS

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Figure B1 – 511 System Interfaces

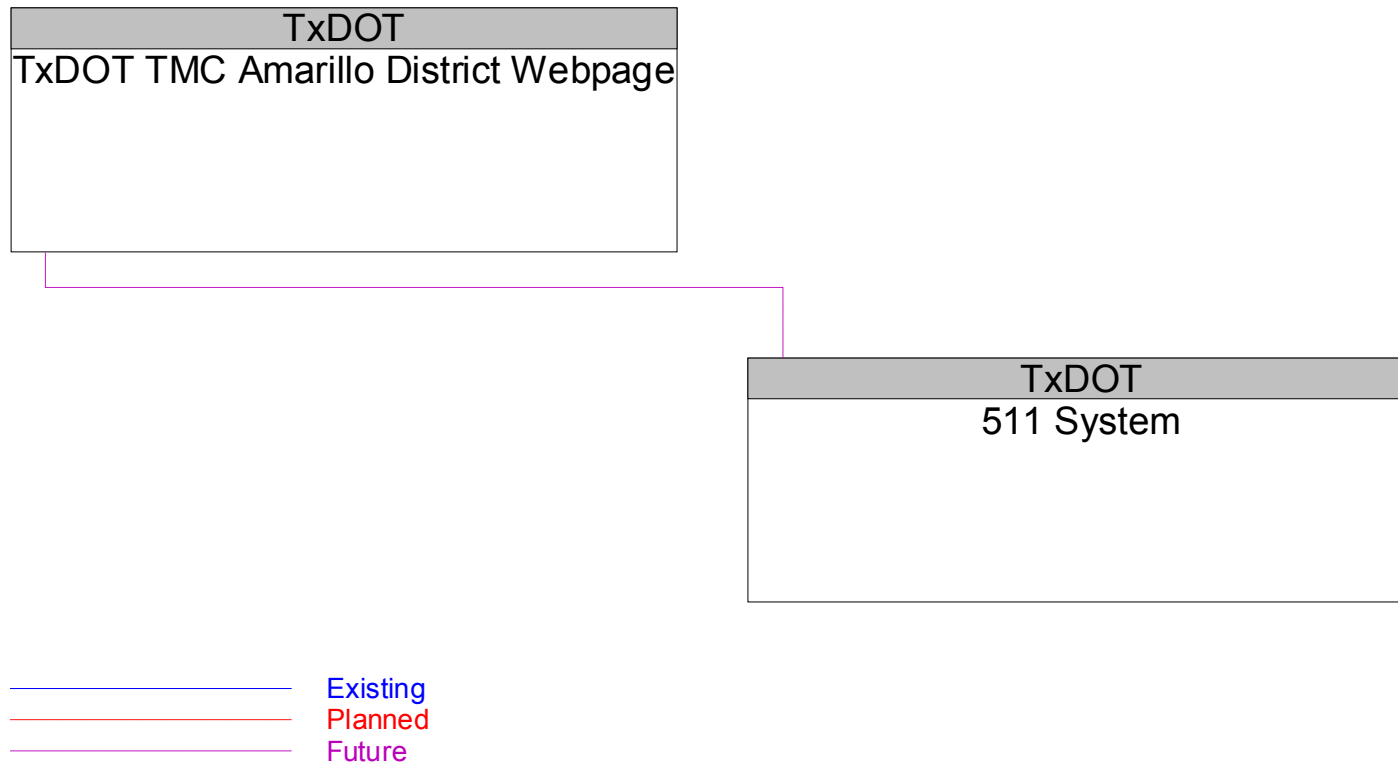


Figure B2 – Amarillo City Communicator System Interfaces

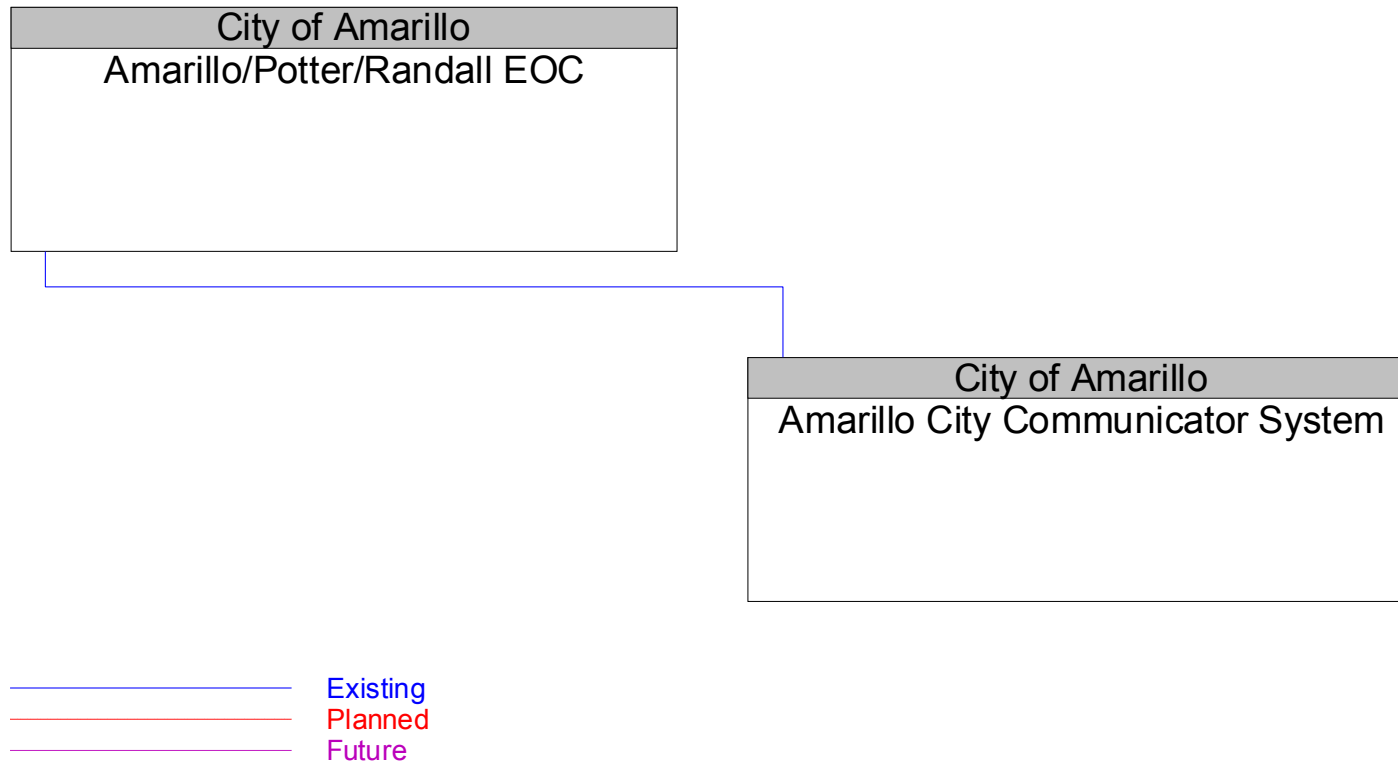


Figure B3 – Amarillo City Transit System Dispatch Center Interfaces

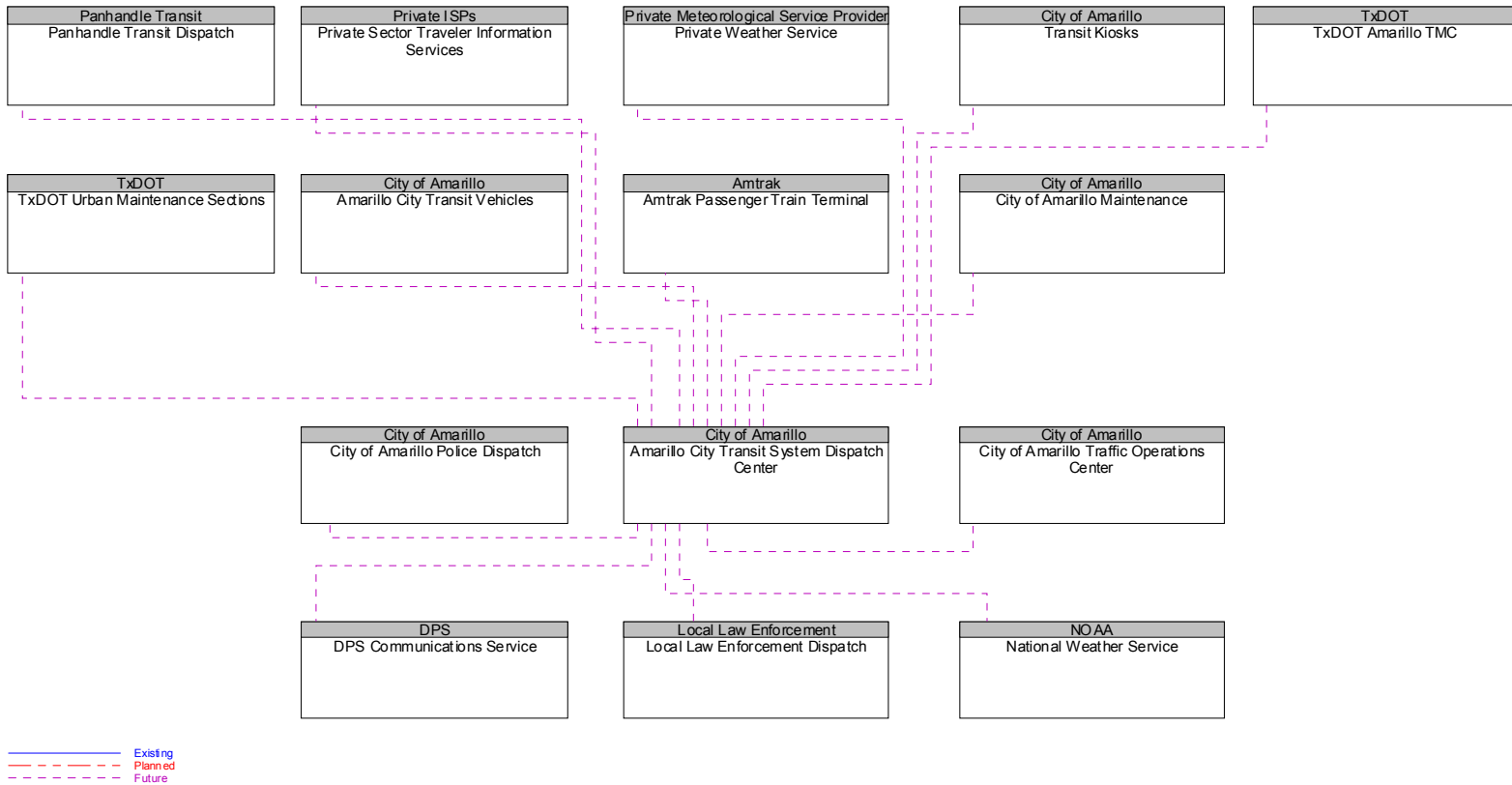


Figure B4 – Amarillo City Transit Vehicles Interfaces

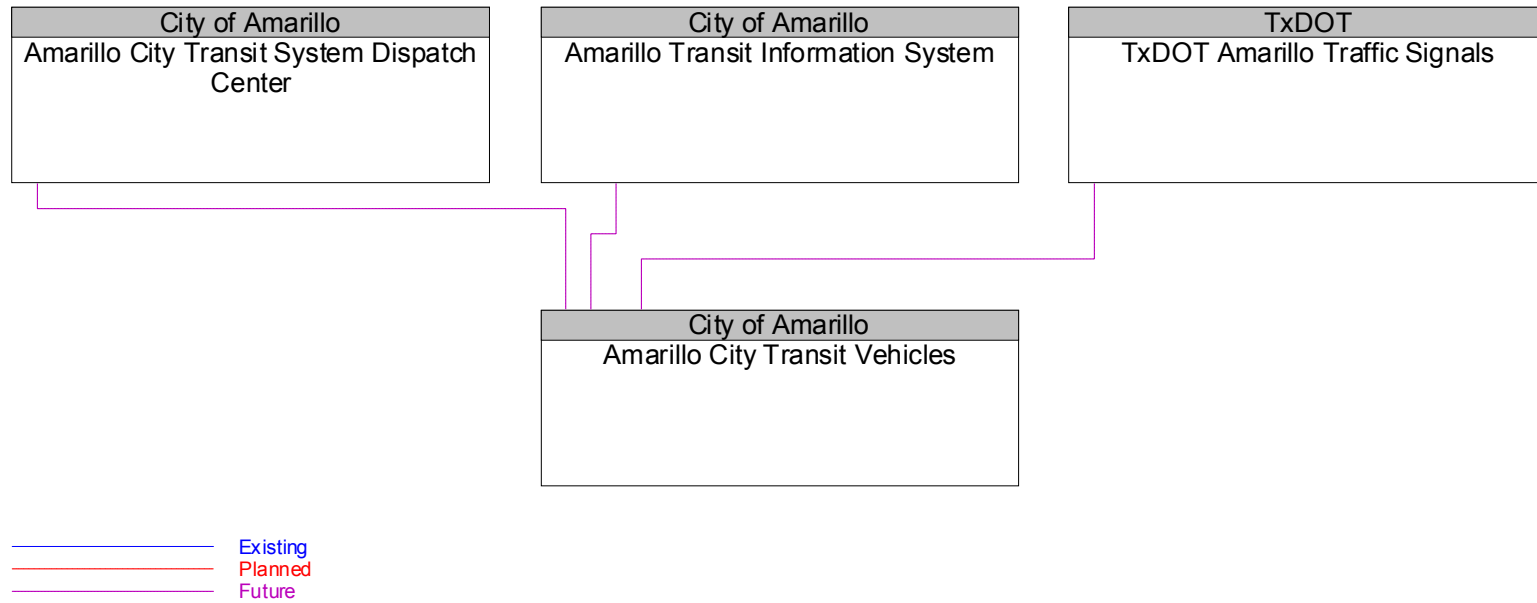


Figure B5 – Amarillo Convention and Visitors Bureau Scheduling Interfaces

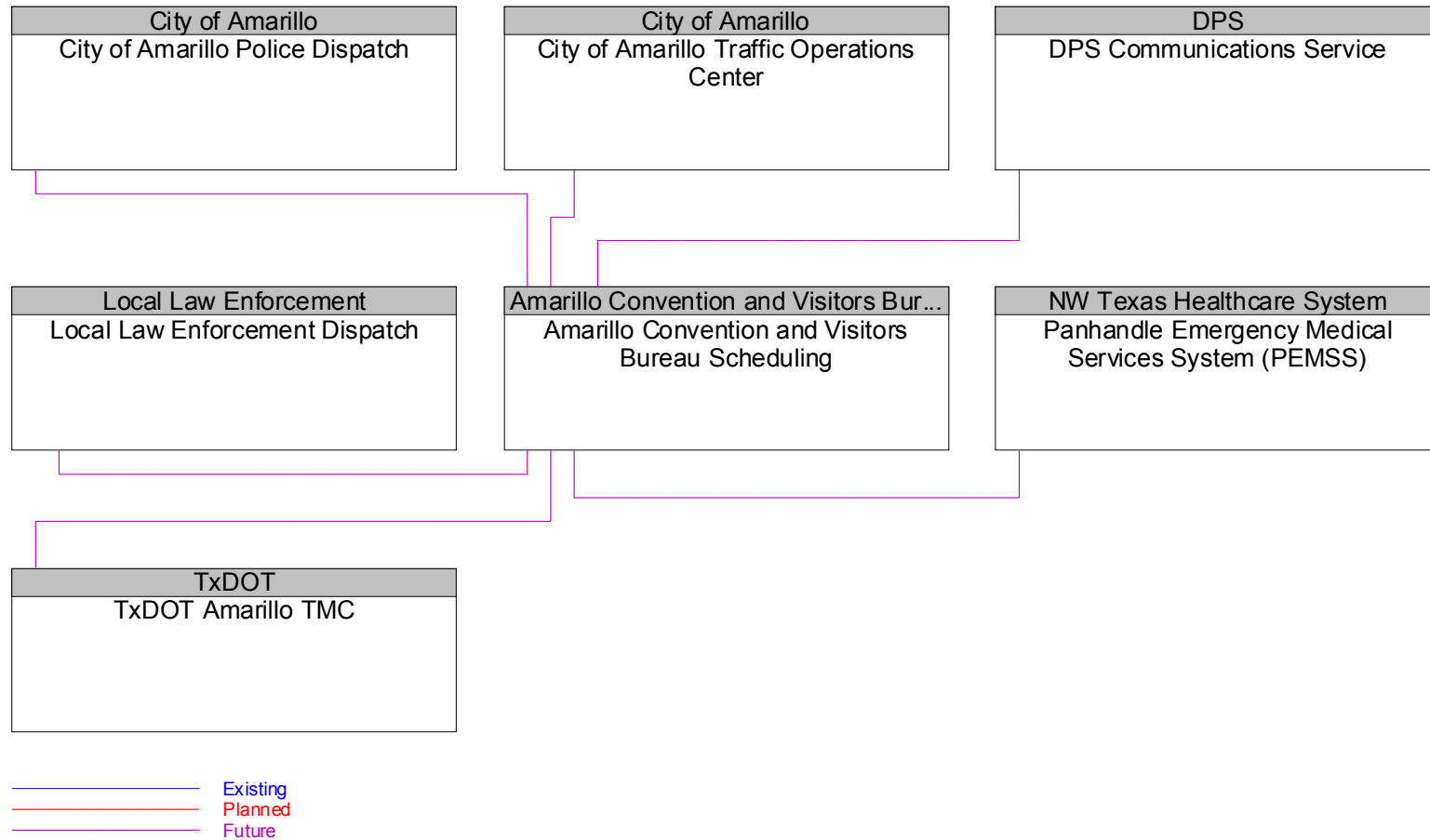


Figure B6 – Amarillo Transit Information System Interfaces

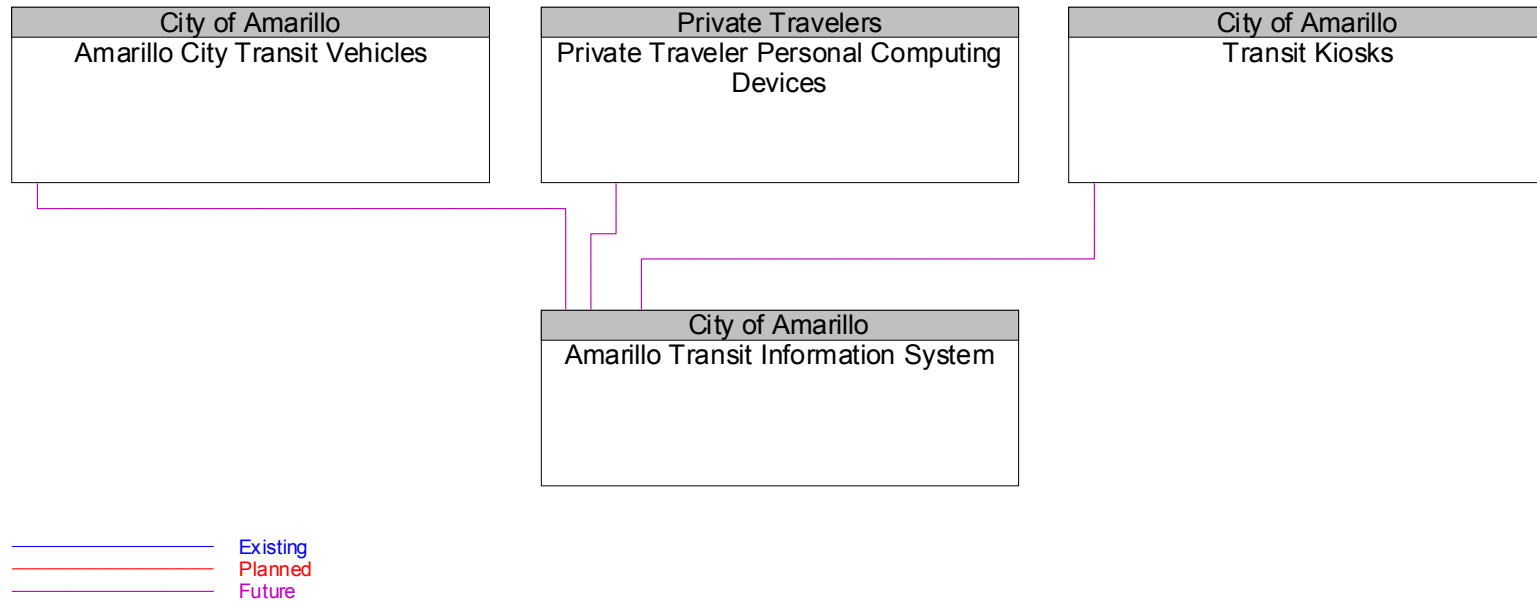


Figure B7 – Amarillo/Potter/Randall EOC Interfaces

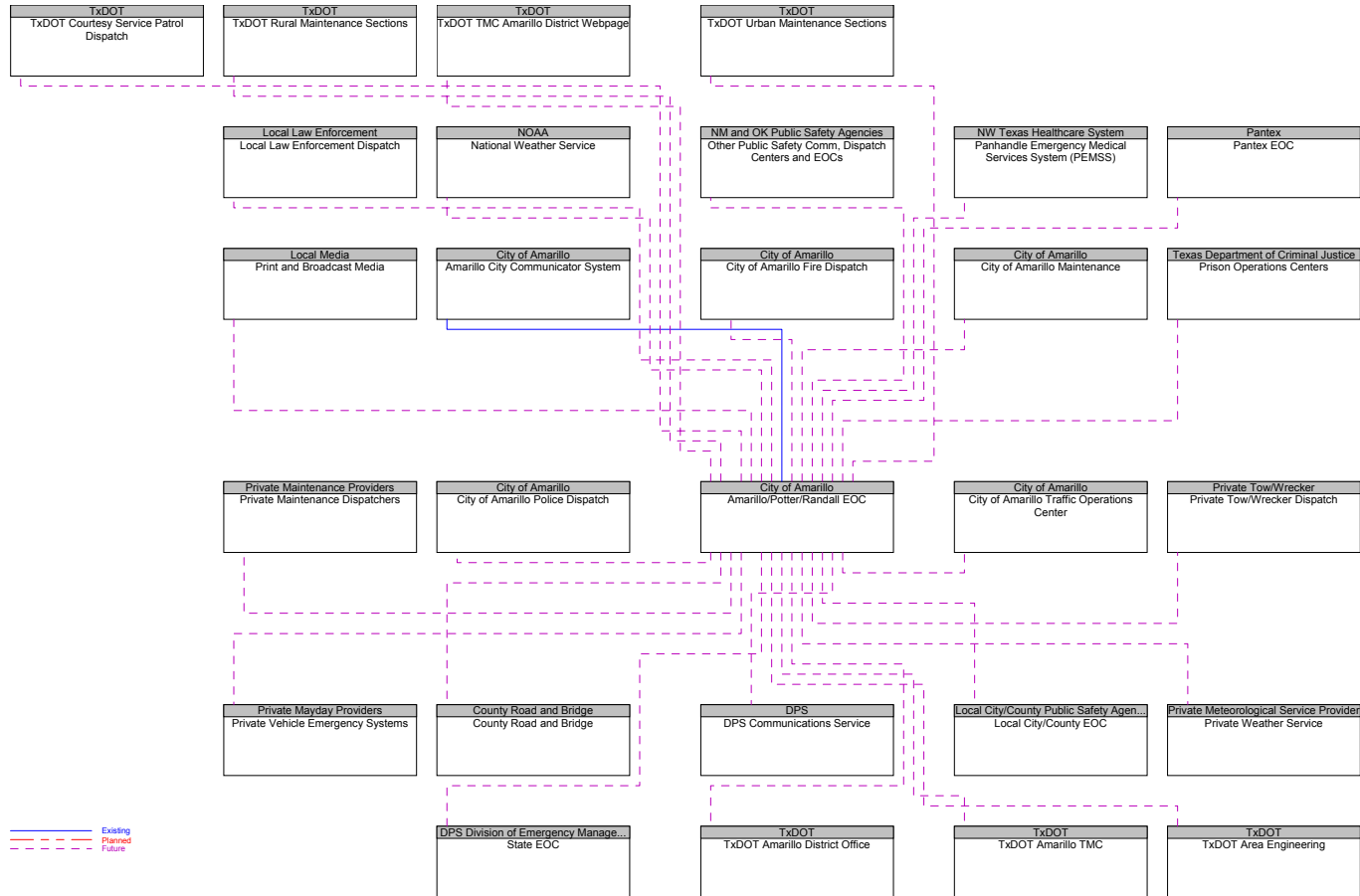


Figure B8 – Amtrak Passenger Train Terminal Interfaces

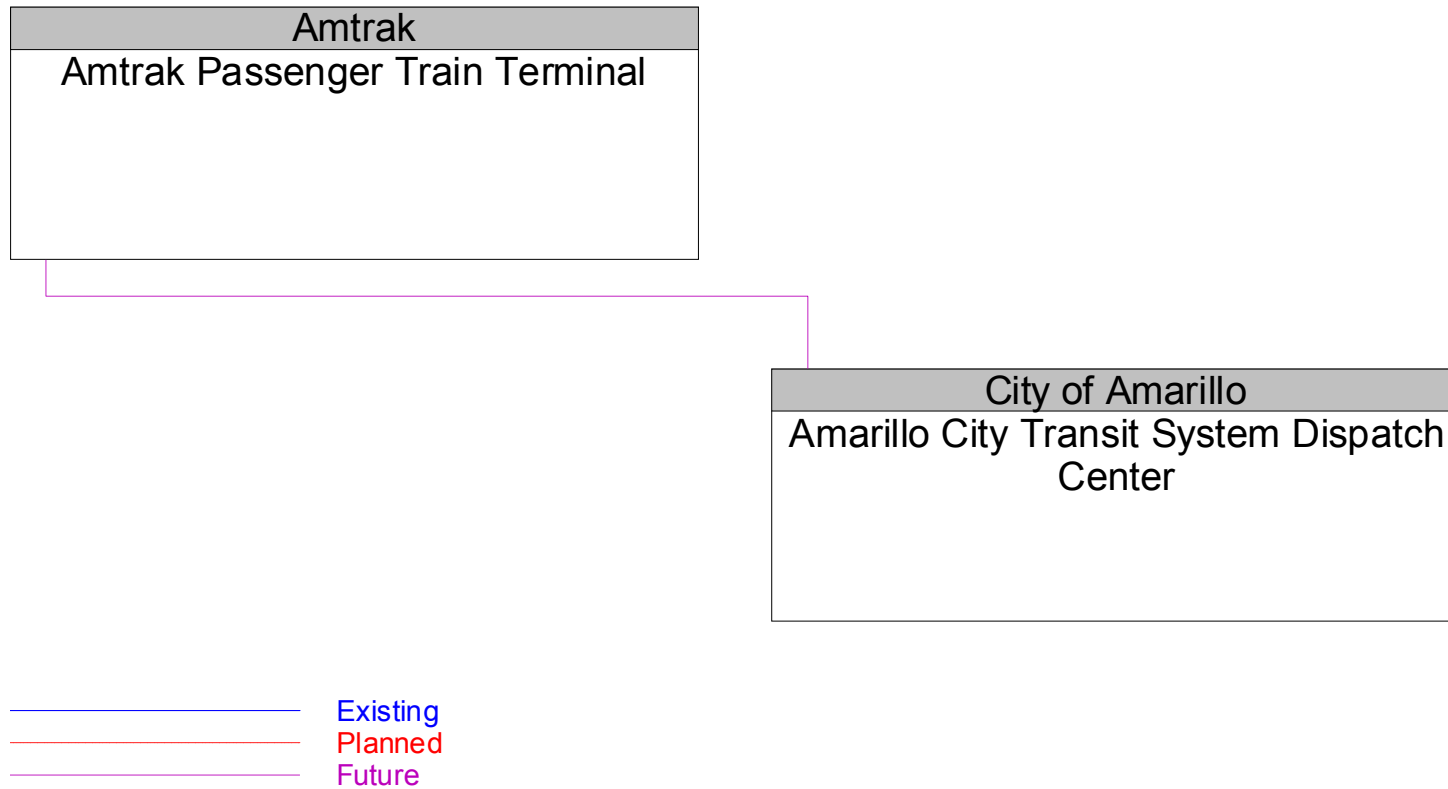


Figure B9 – BRINSAP – Bridge Inventory Inspection System Interfaces

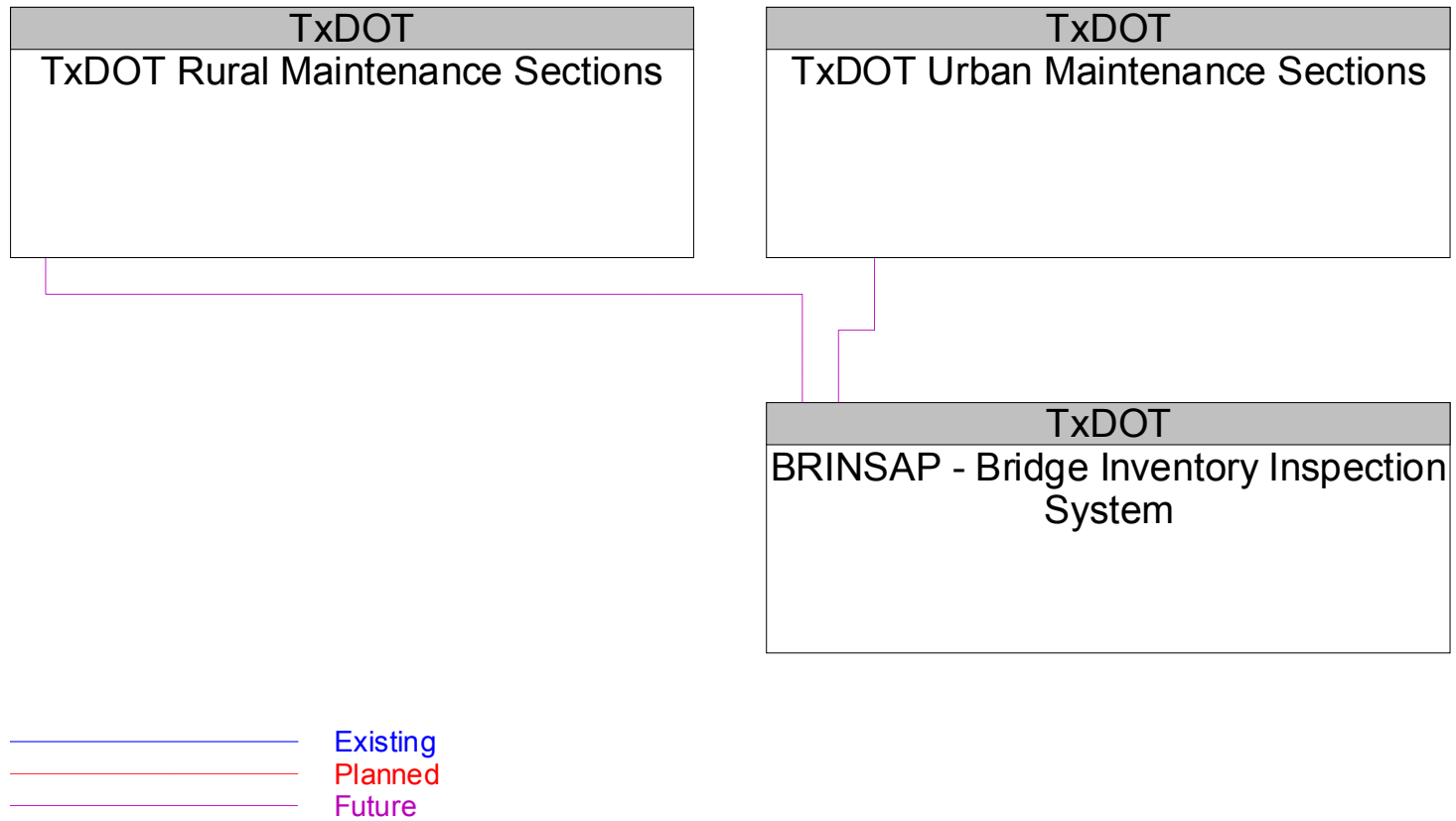


Figure B10 – City of Amarillo Airport Parking Management System Interfaces

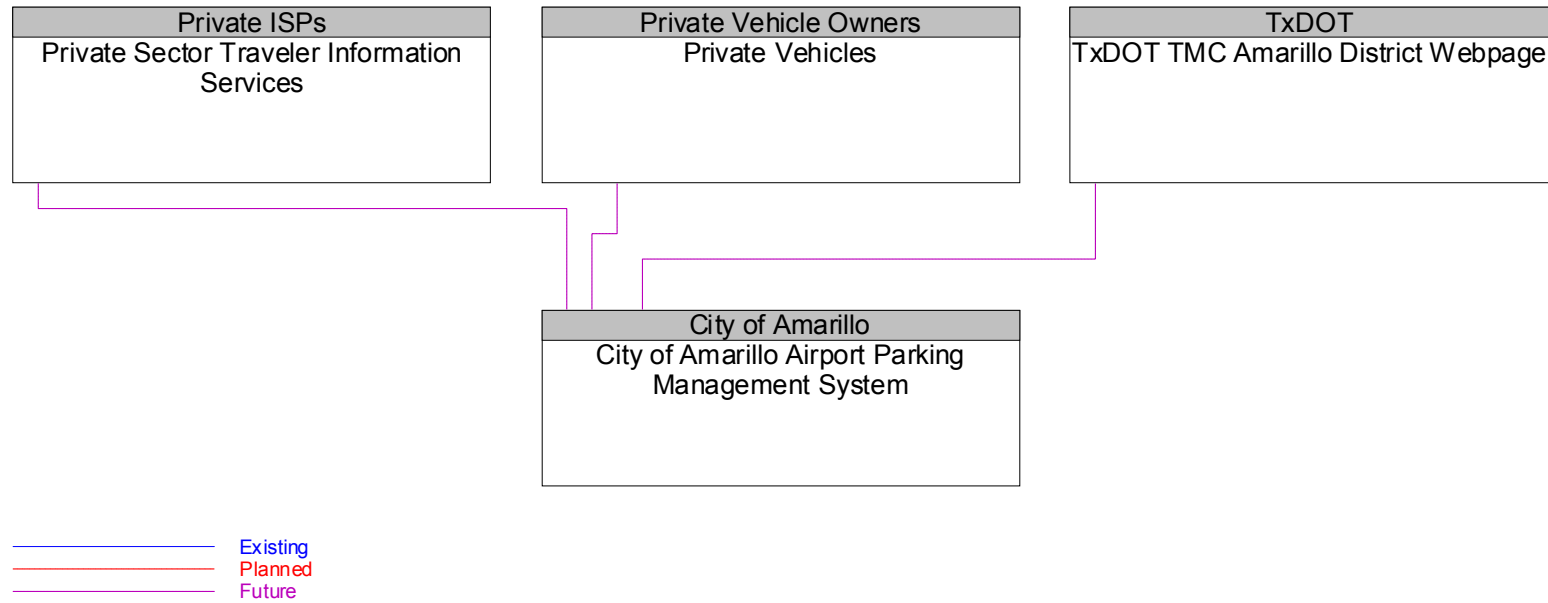


Figure B11 – City of Amarillo Field Equipment Interfaces

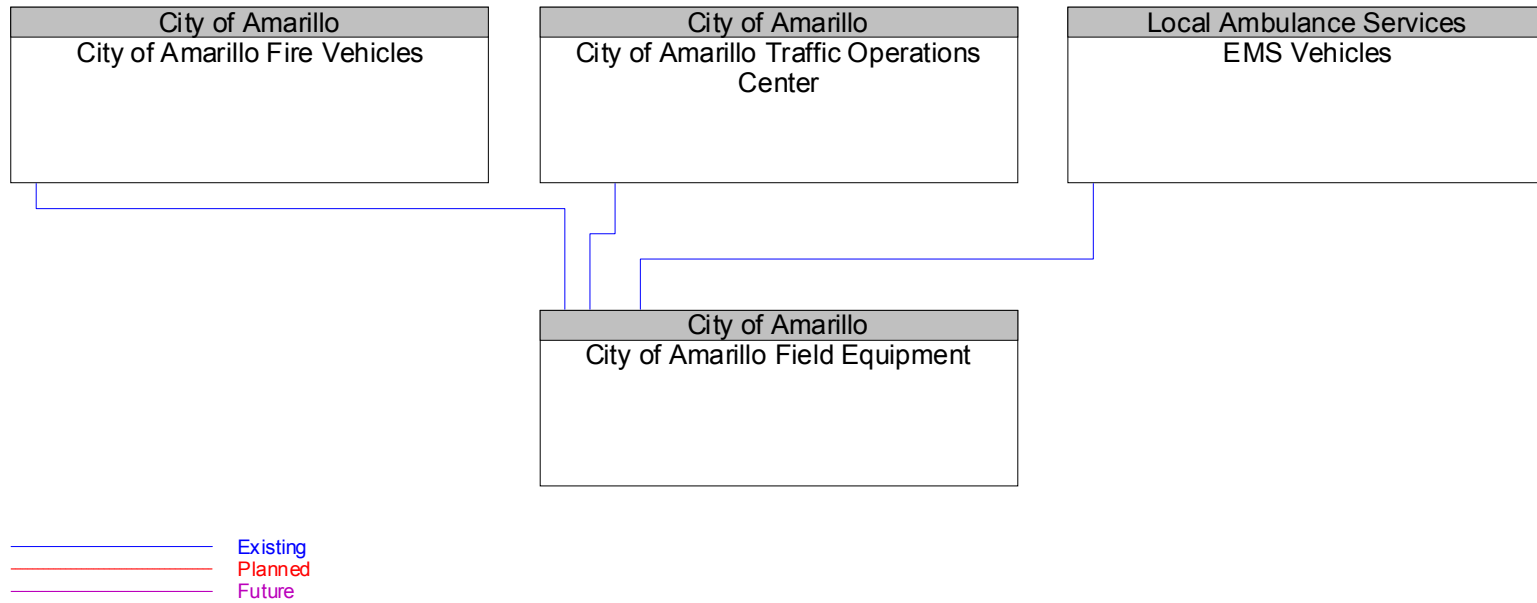


Figure B12 – City of Amarillo Fire Dispatch Interfaces

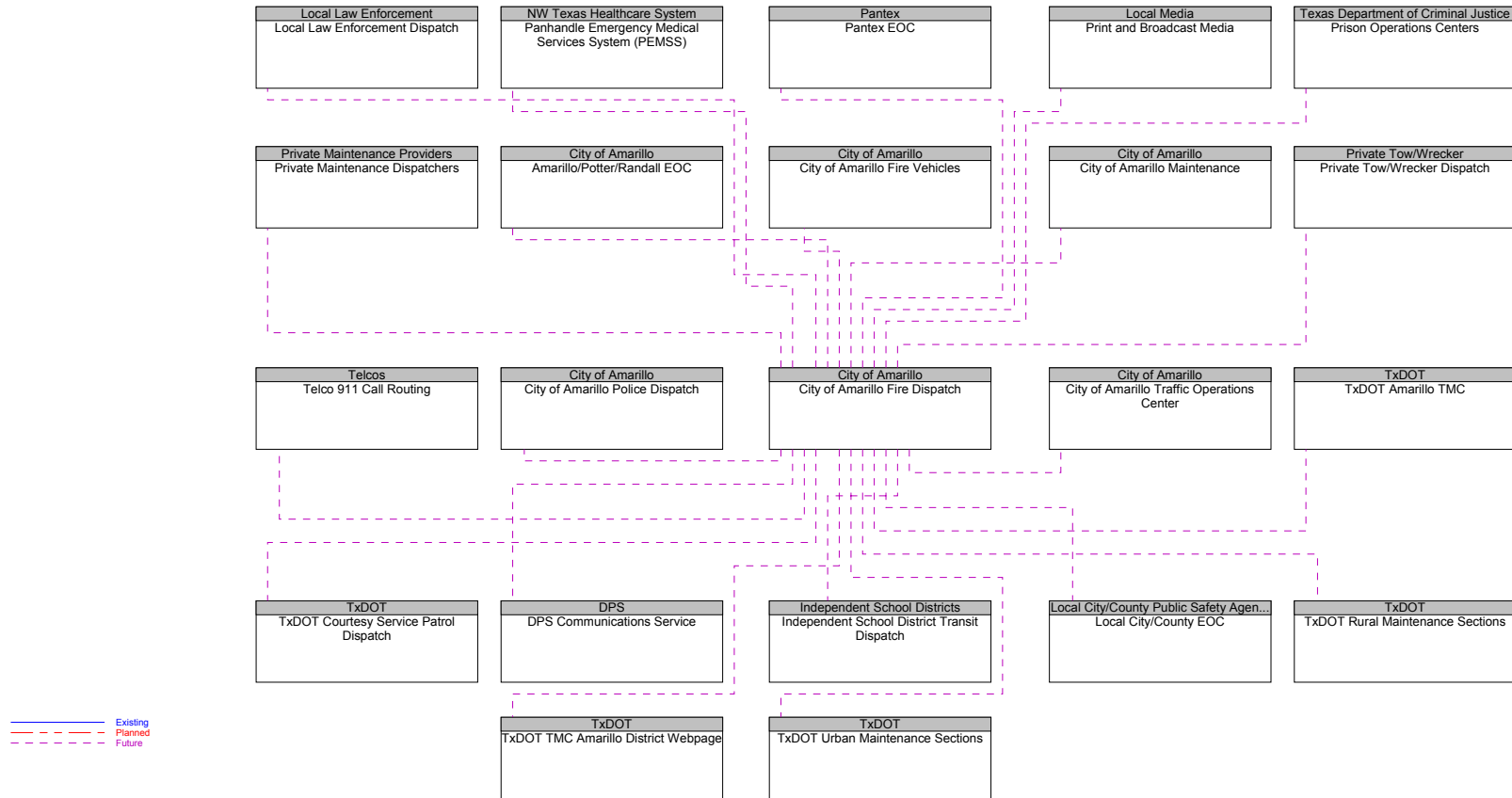


Figure B13 – City of Amarillo Fire Vehicle Interfaces

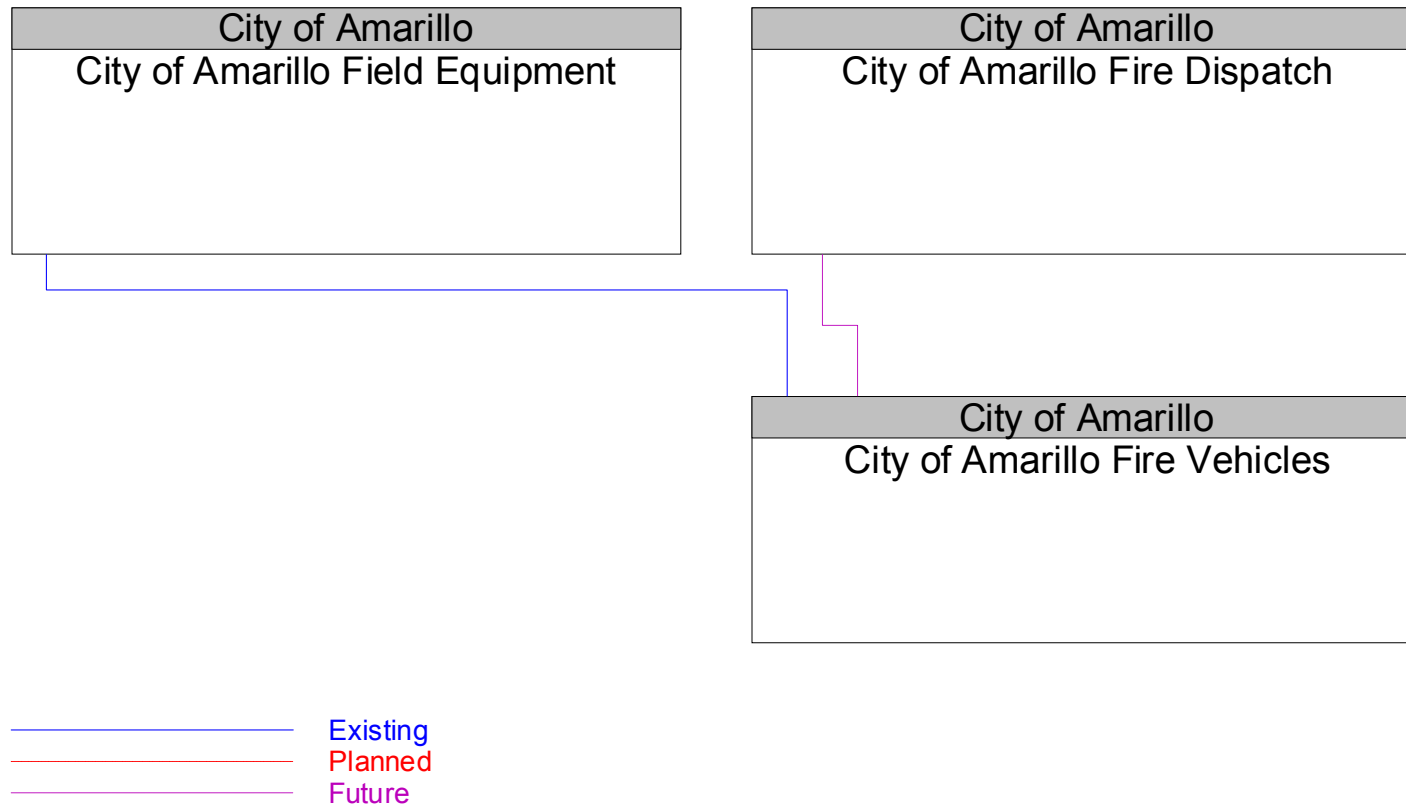


Figure B14 – City of Amarillo Maintenance Interfaces

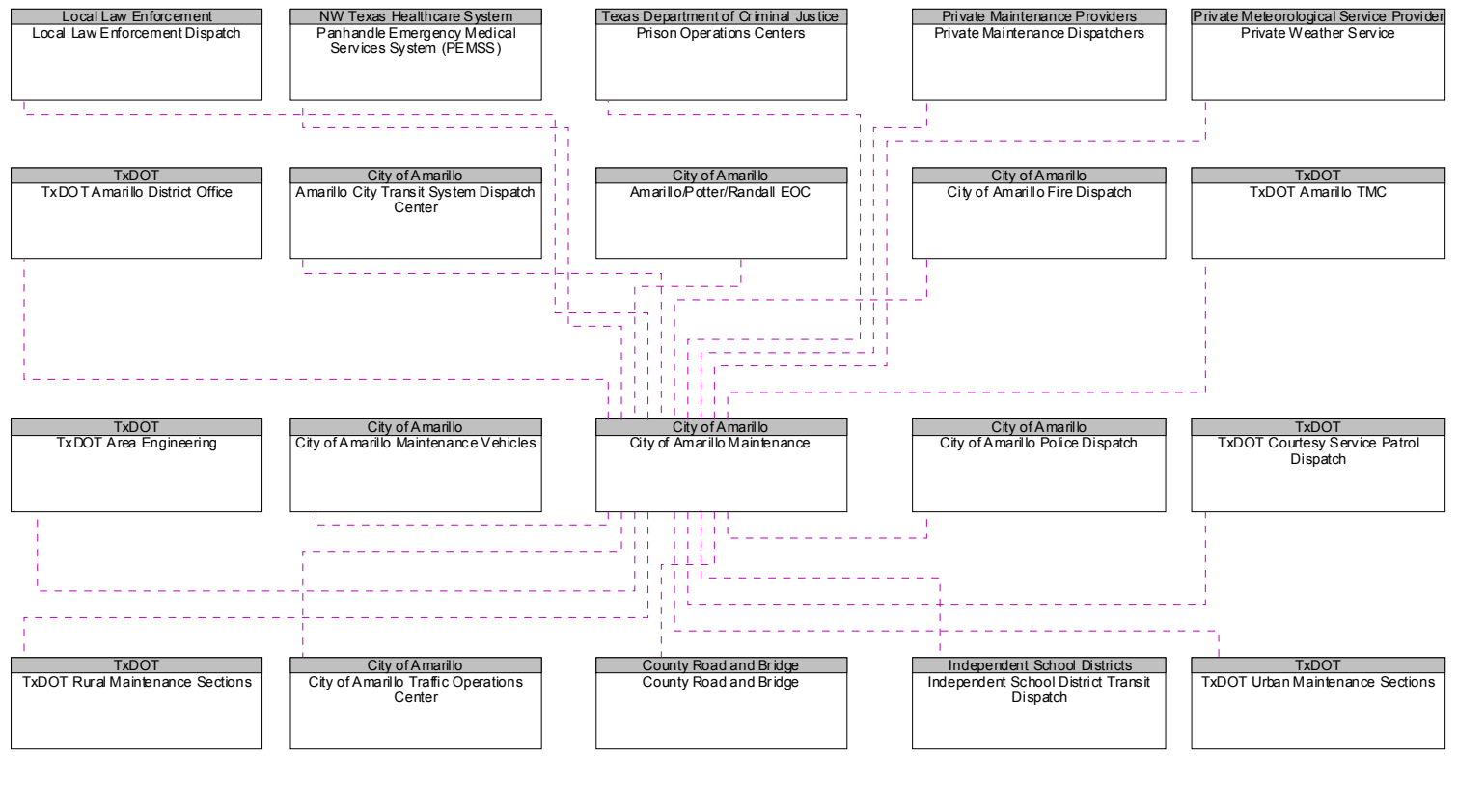


Figure B15 – City of Amarillo Maintenance Vehicles Interfaces

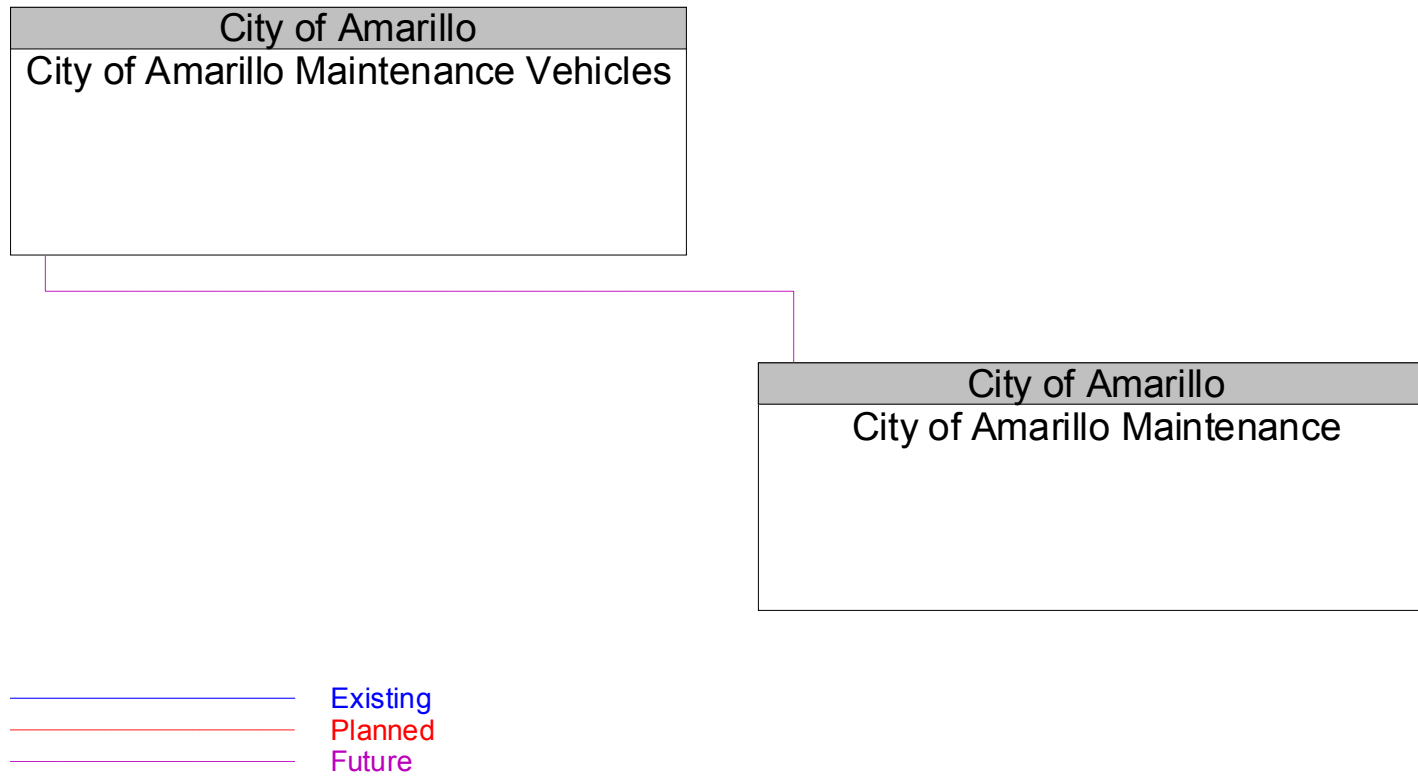


Figure B16 – City of Amarillo Police Dispatch Interfaces

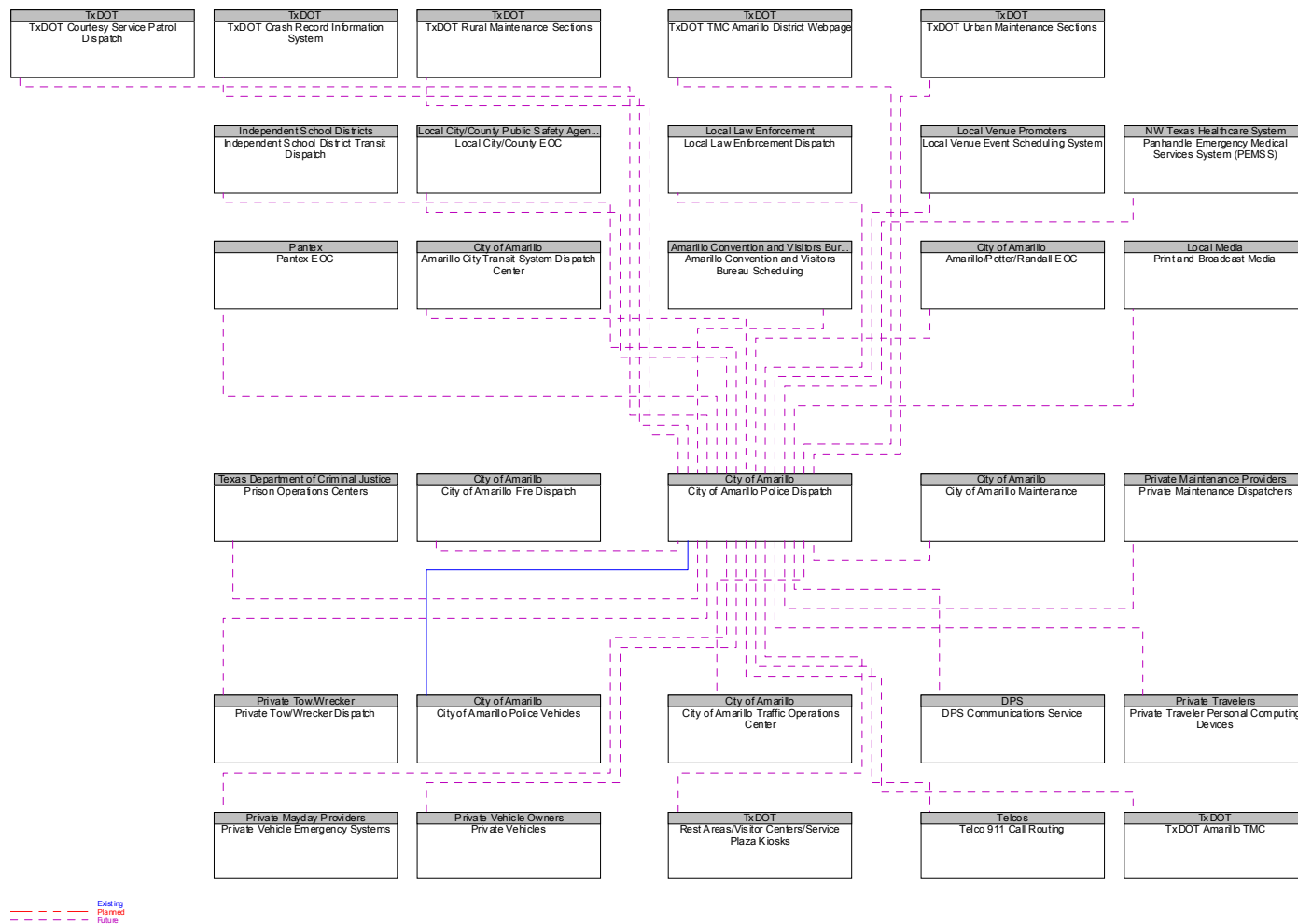


Figure B17 – City of Amarillo Police Vehicles Interfaces

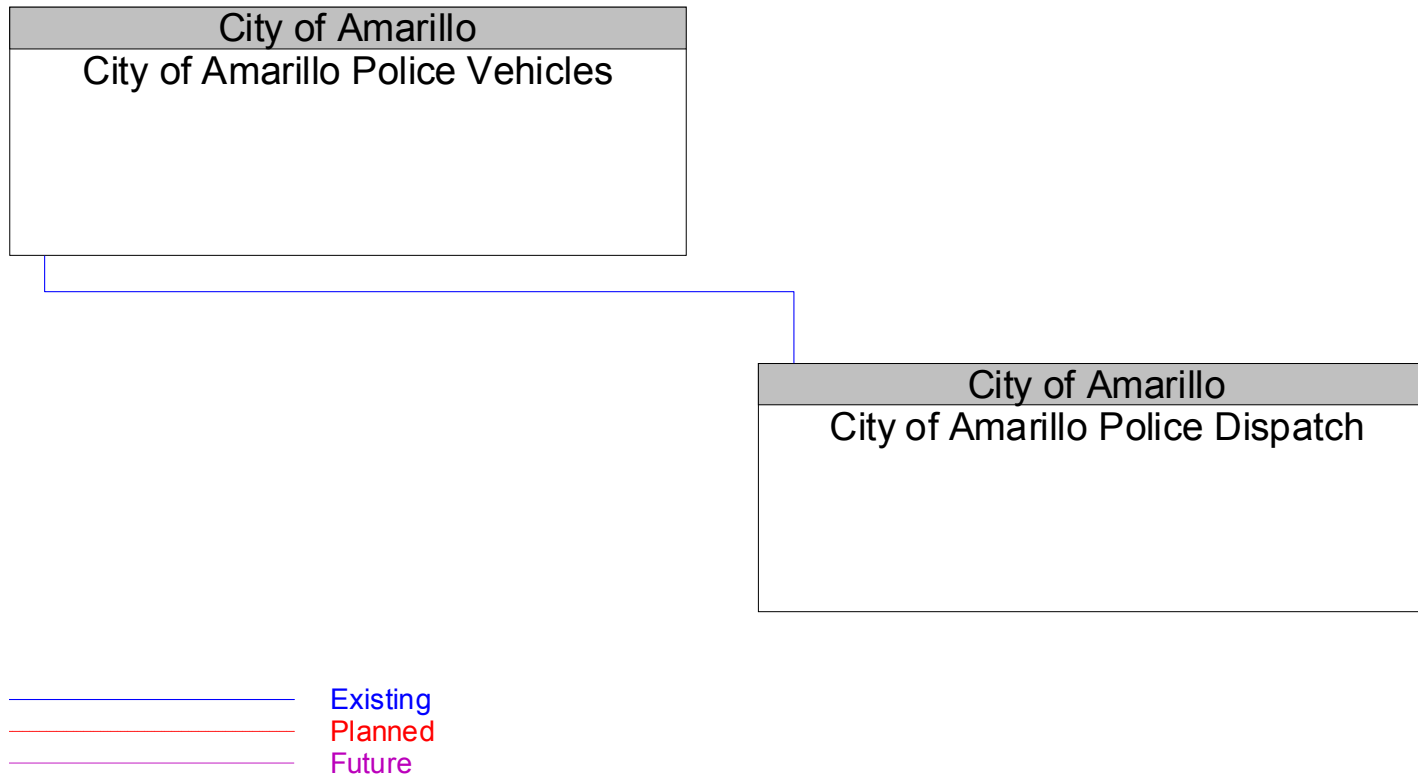


Figure B18 – City of Amarillo Traffic Operations Center Interfaces

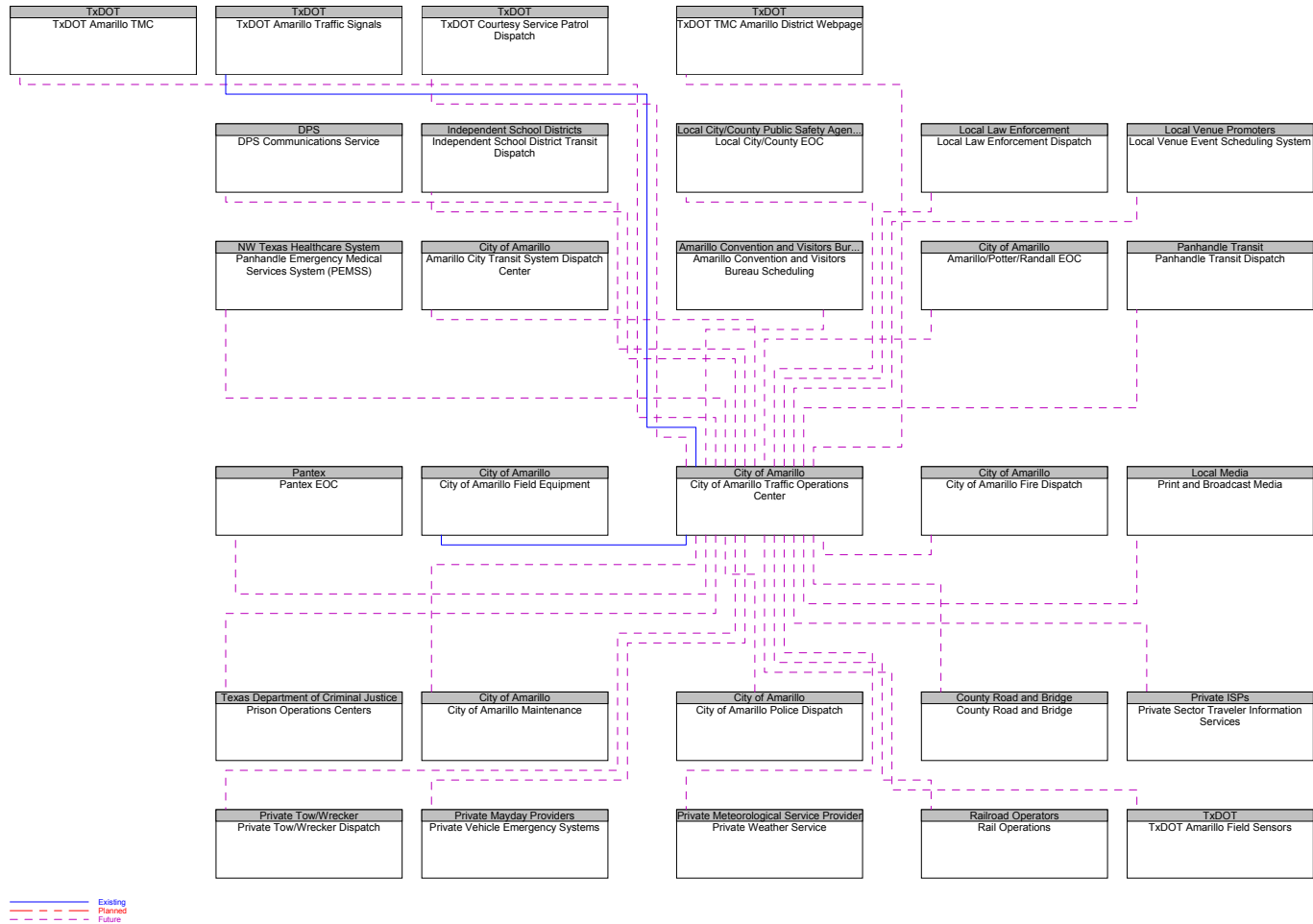


Figure B19 – Commercial Vehicles Interfaces

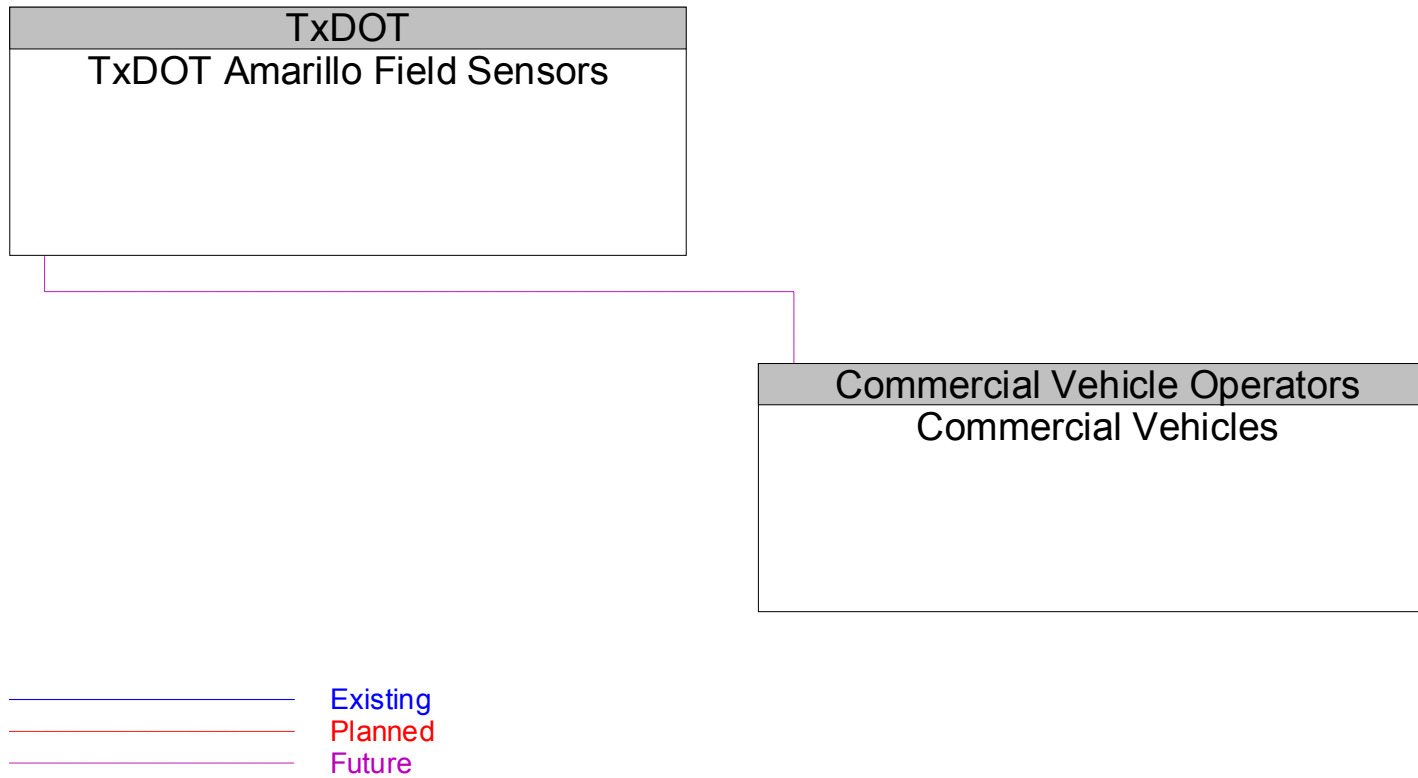


Figure B20 – County Road and Bridge Interfaces

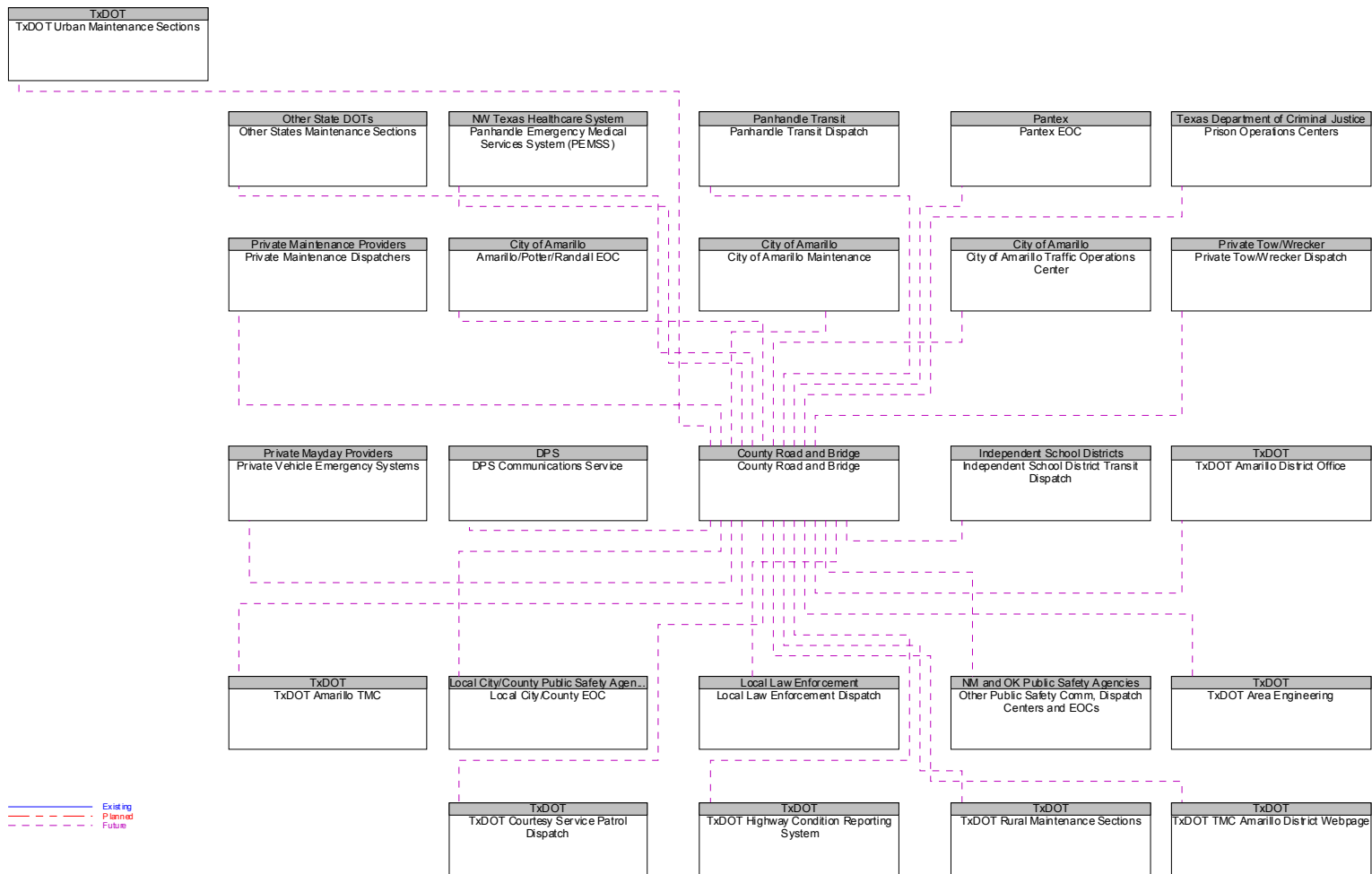


Figure B21 – DPS Communications Service Interfaces

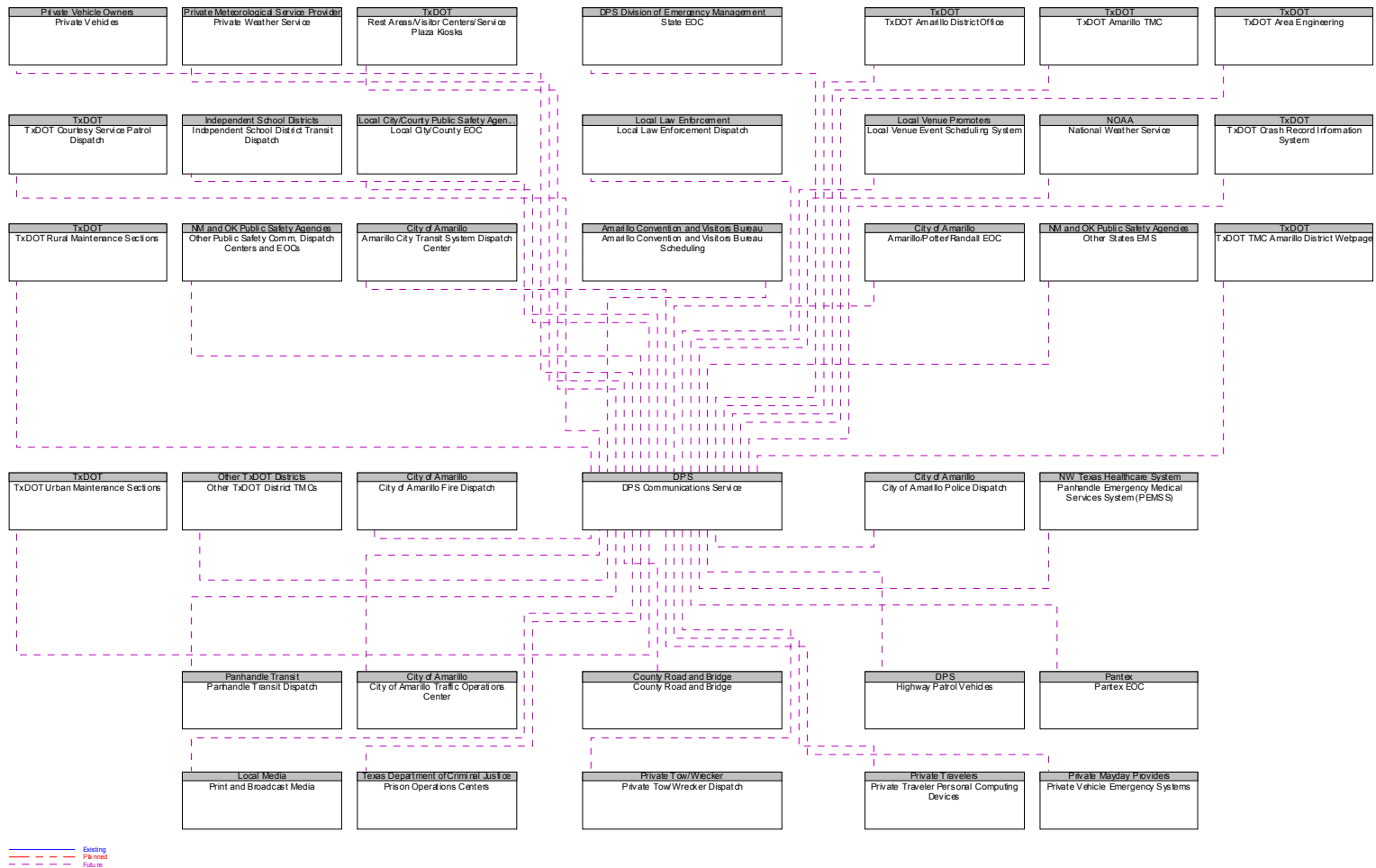


Figure B22 – Emergency Alerting System Interfaces

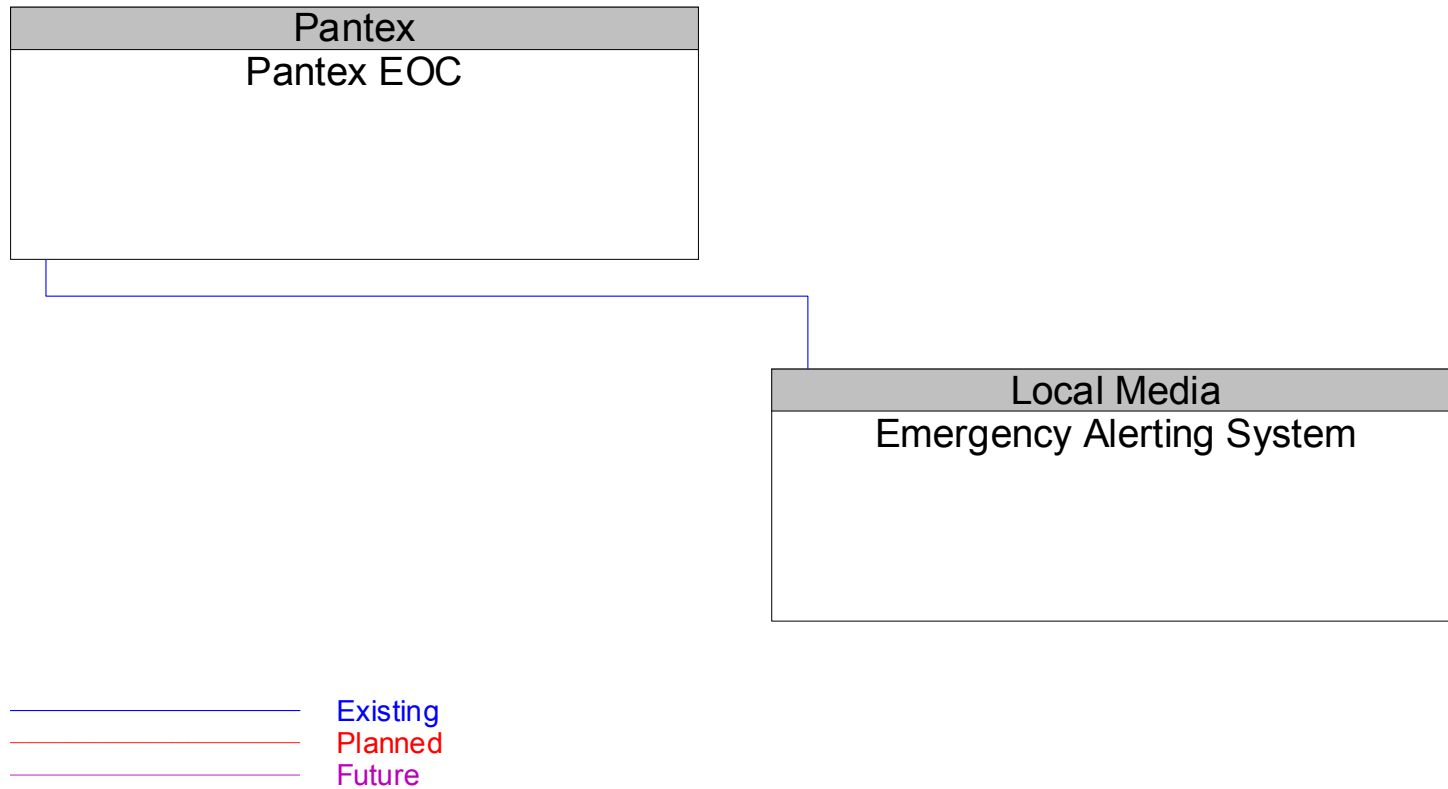


Figure B23 – EMS Vehicles Interfaces

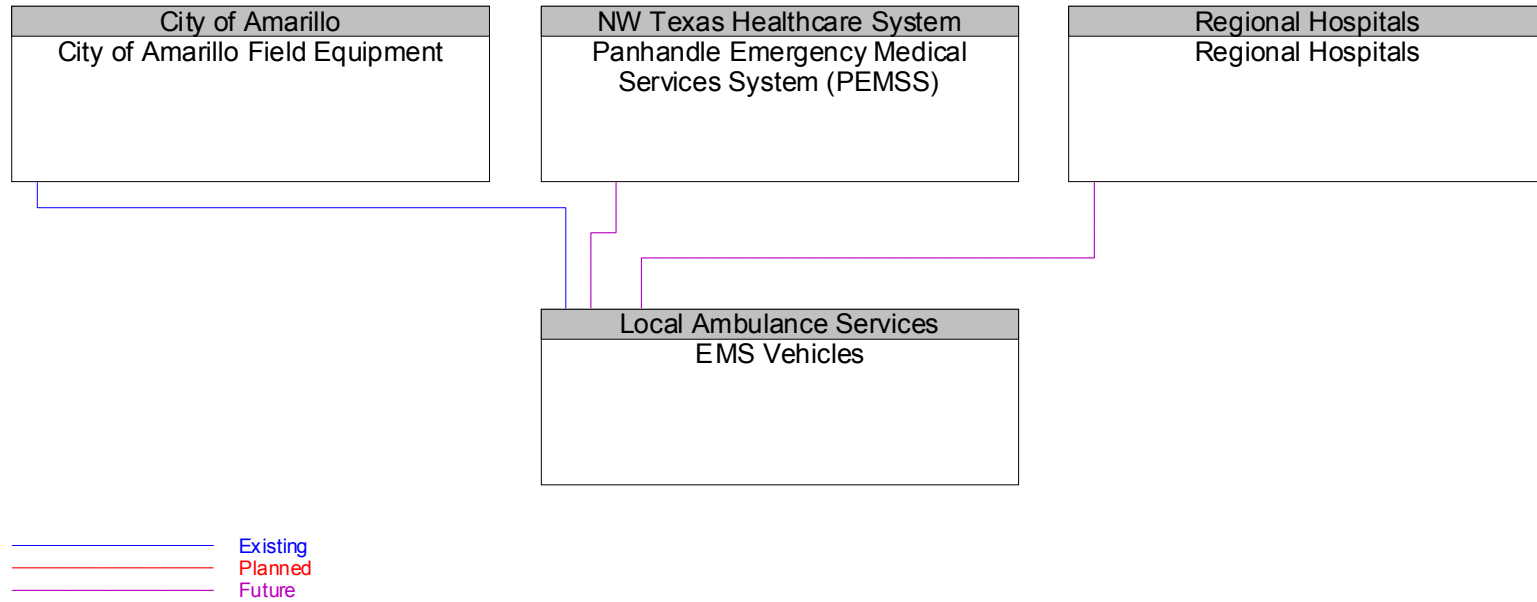


Figure B24 – Highway Patrol Vehicles Interfaces

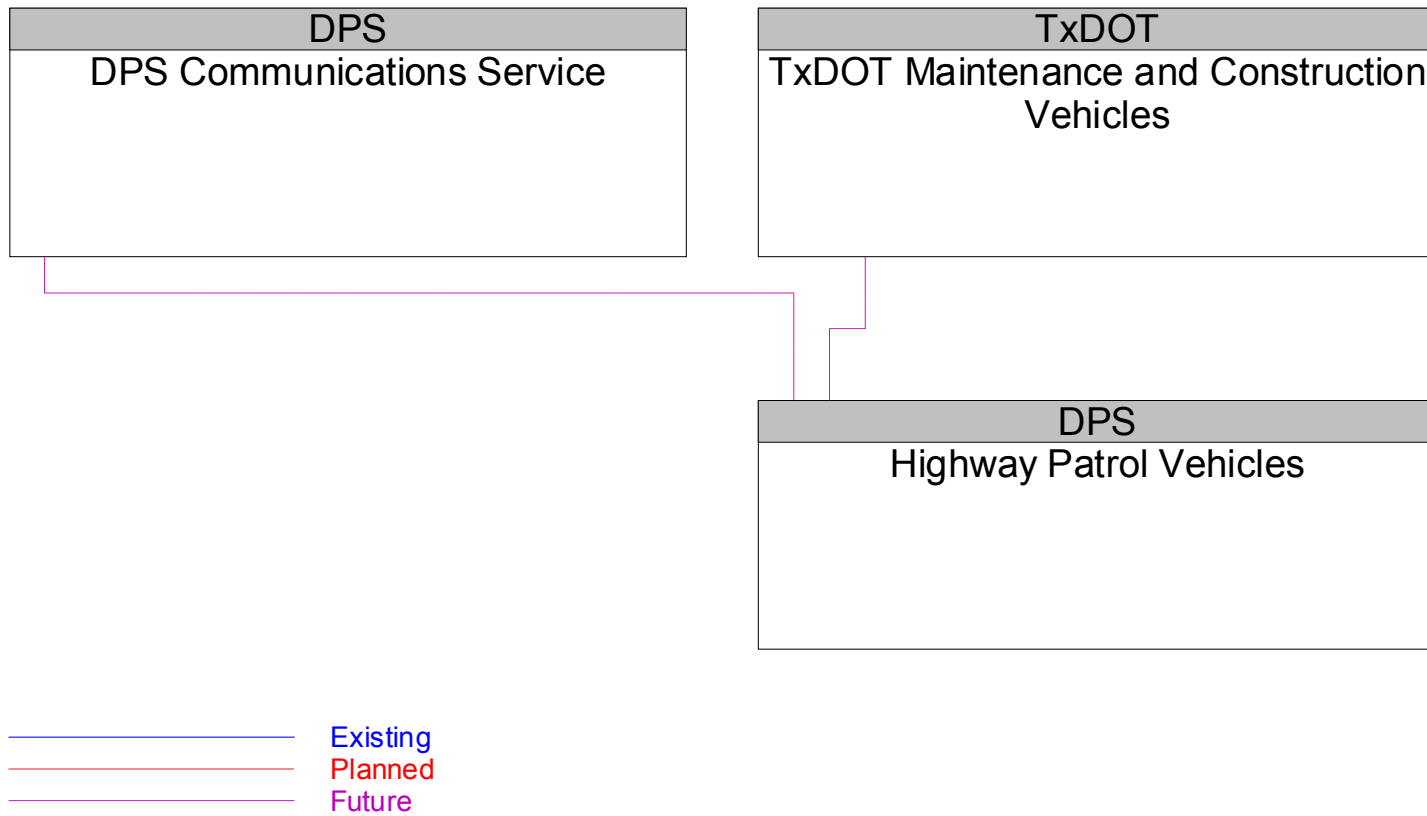


Figure B25 – Independent School District Transit Dispatch Interfaces

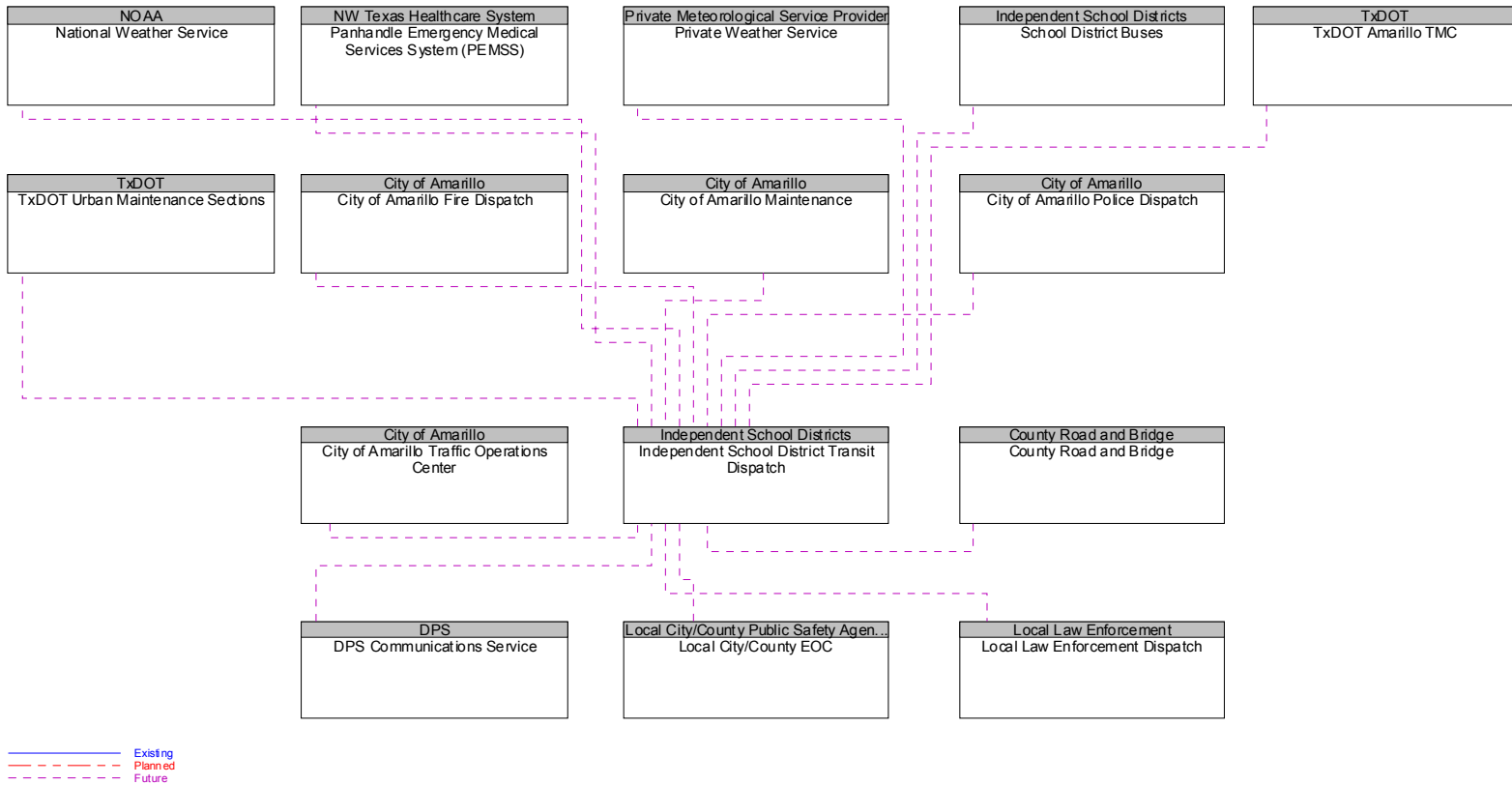


Figure B26 – Local City/County EOC Interfaces

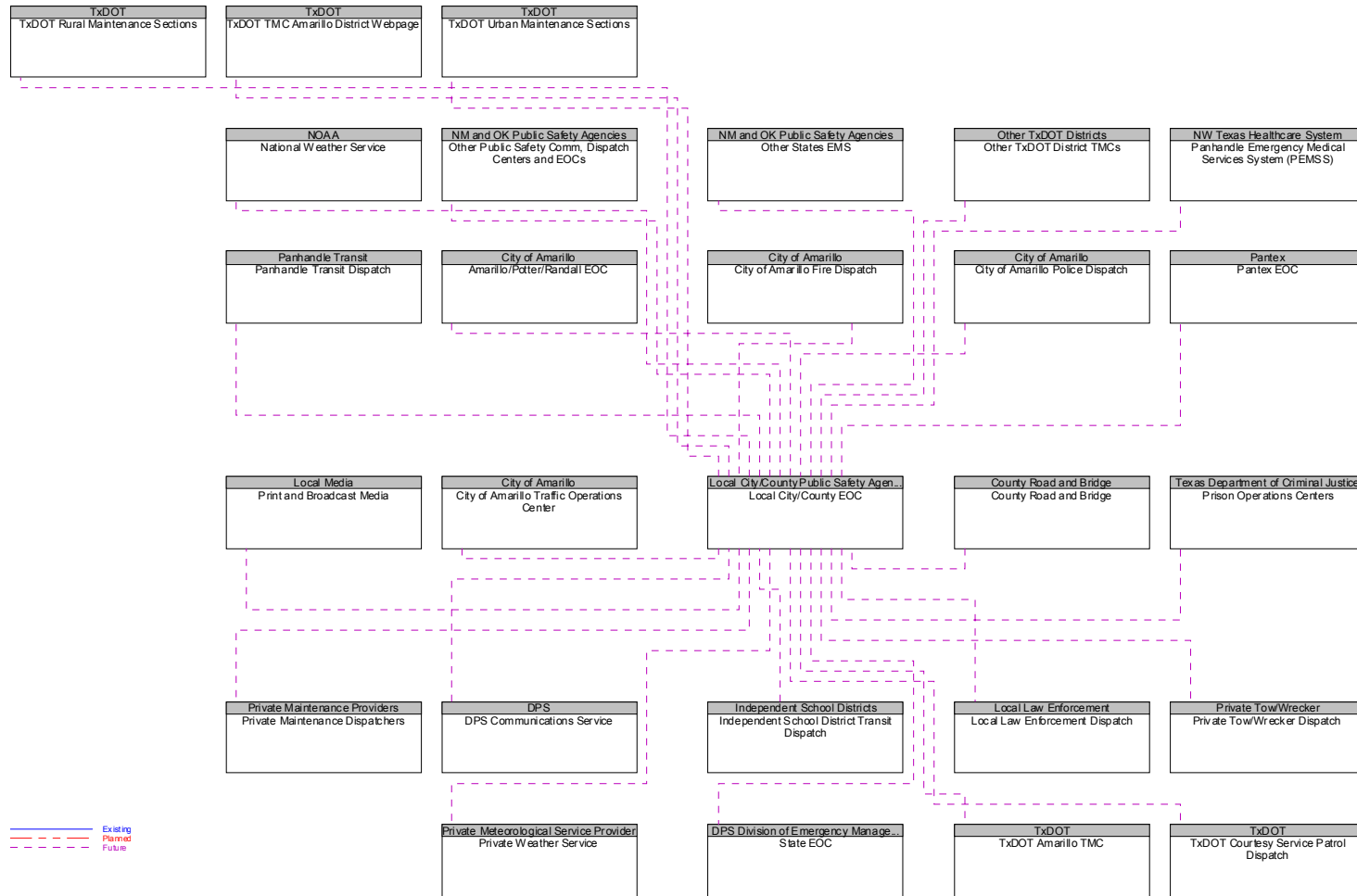


Figure B27 – Local Law Enforcement Dispatch Interfaces

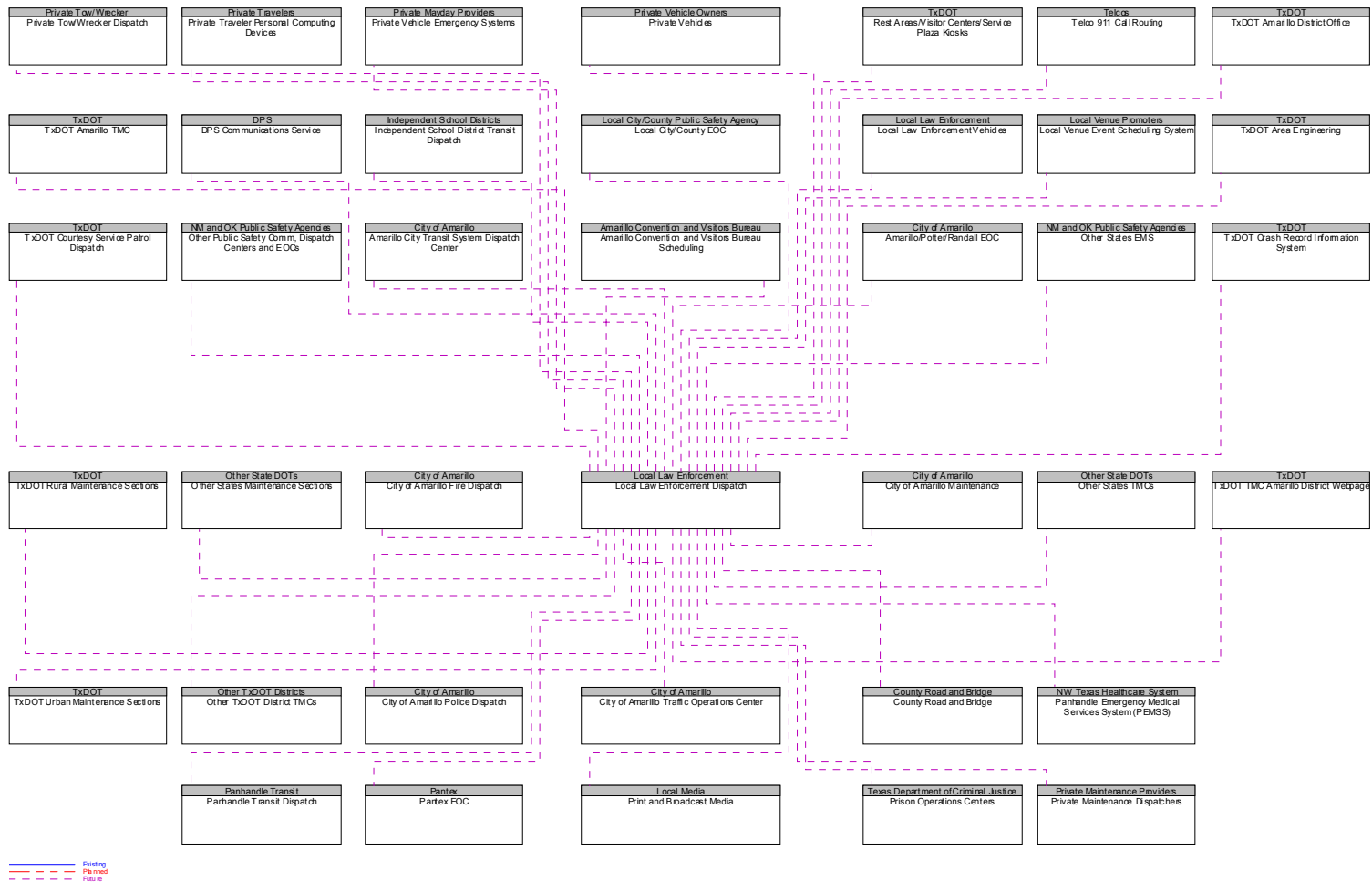


Figure B28 – Local Law Enforcement Vehicles Interfaces

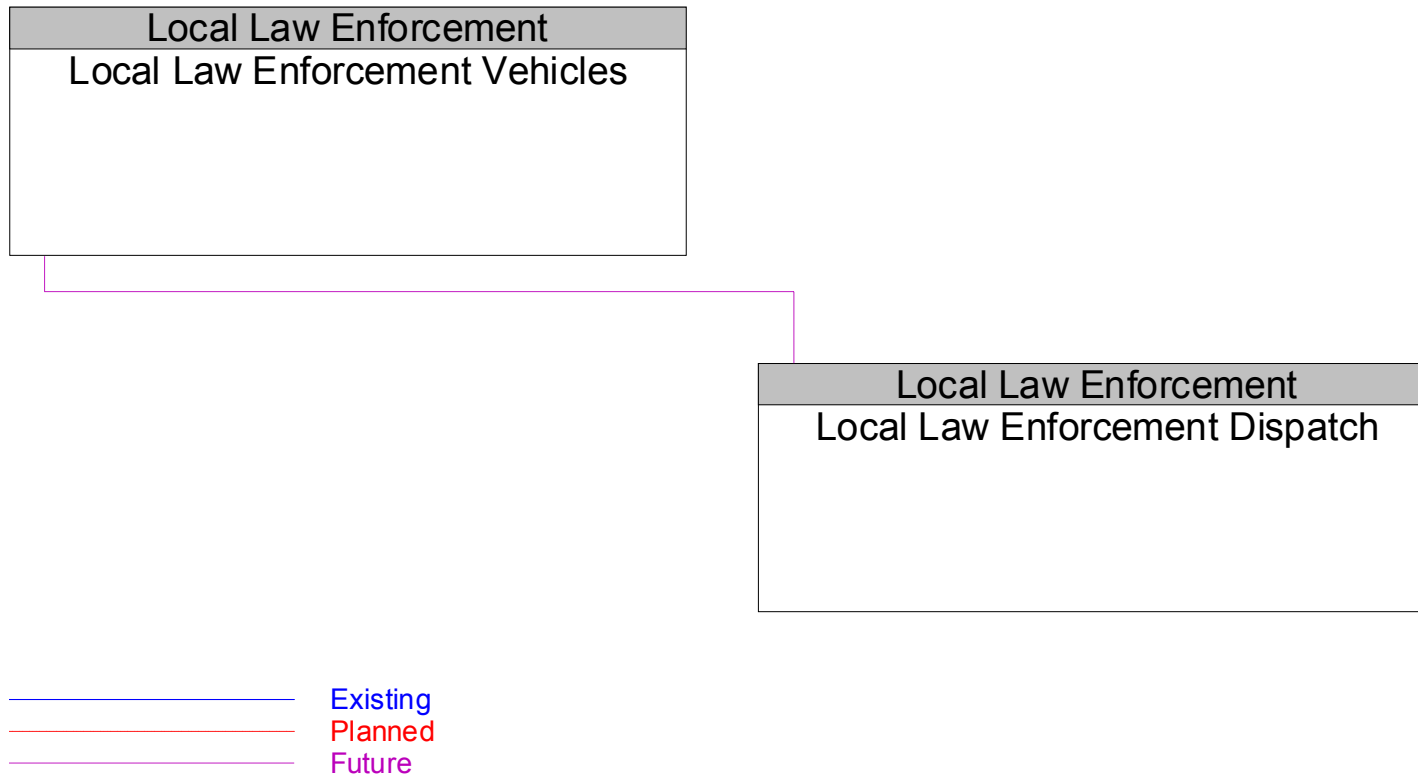


Figure B29 – Local Venue Event Scheduling System Interfaces

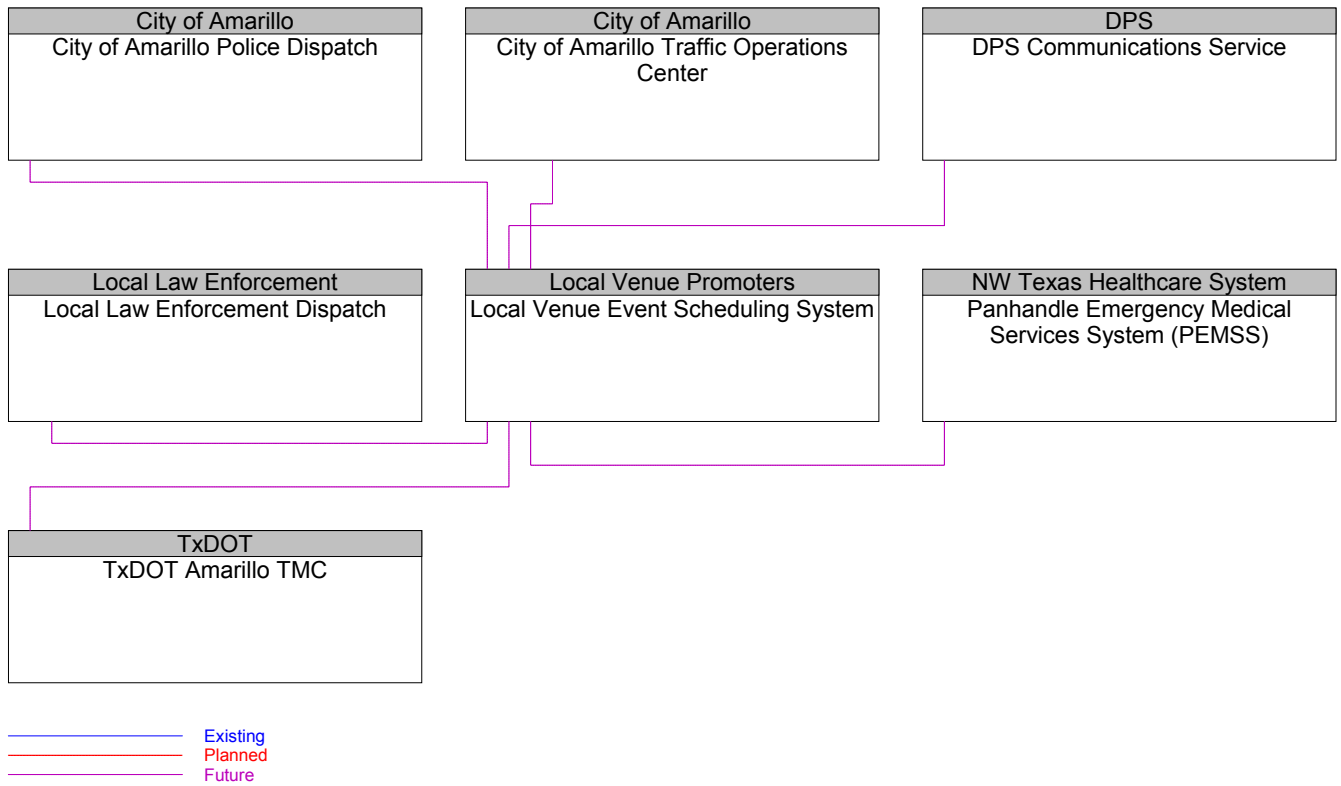


Figure B30 – National Weather Service Interfaces

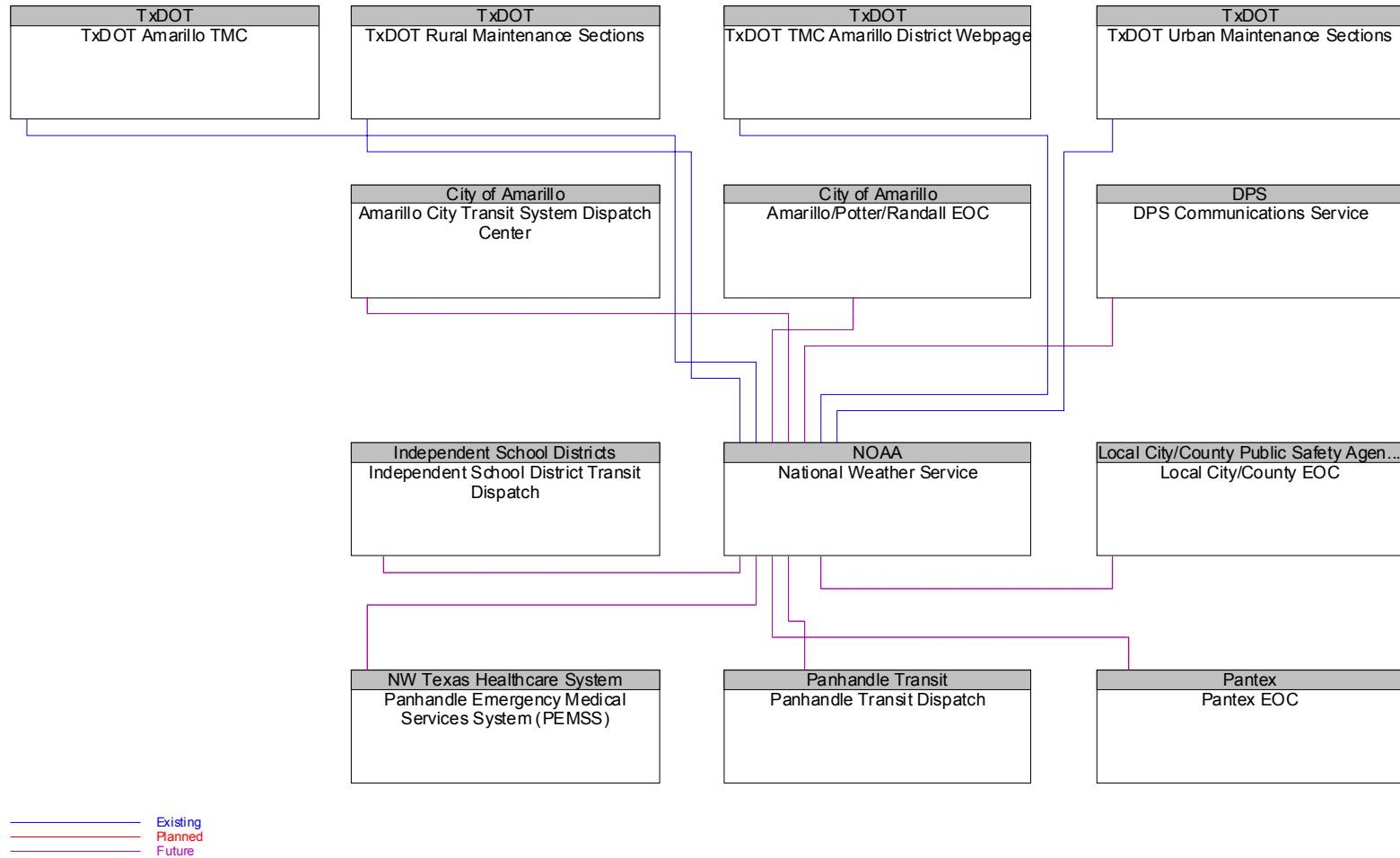


Figure B31 – Other Public Safety Communication, Dispatch Centers, and EOCs Interfaces

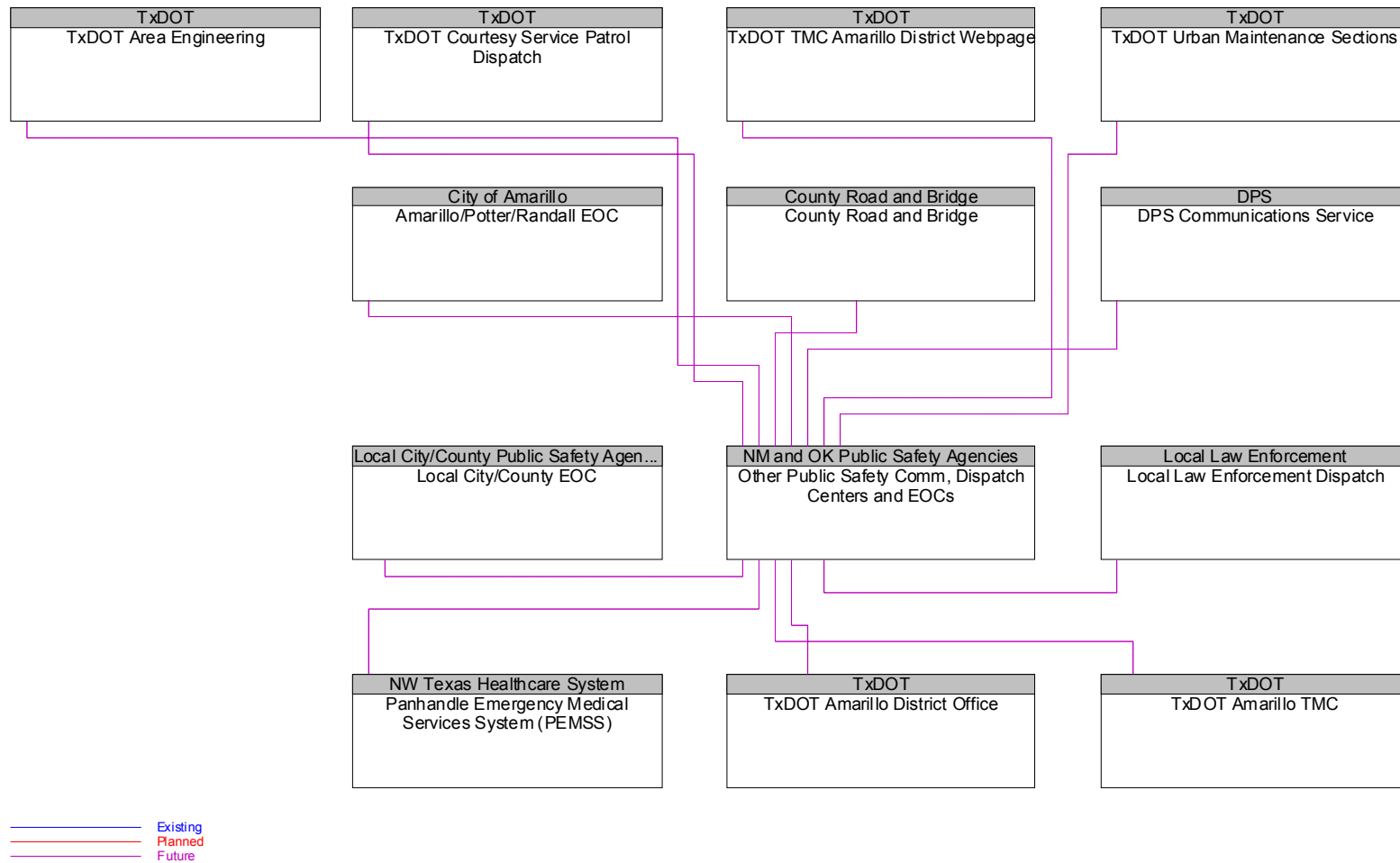


Figure B32 – Other States EMS Interfaces

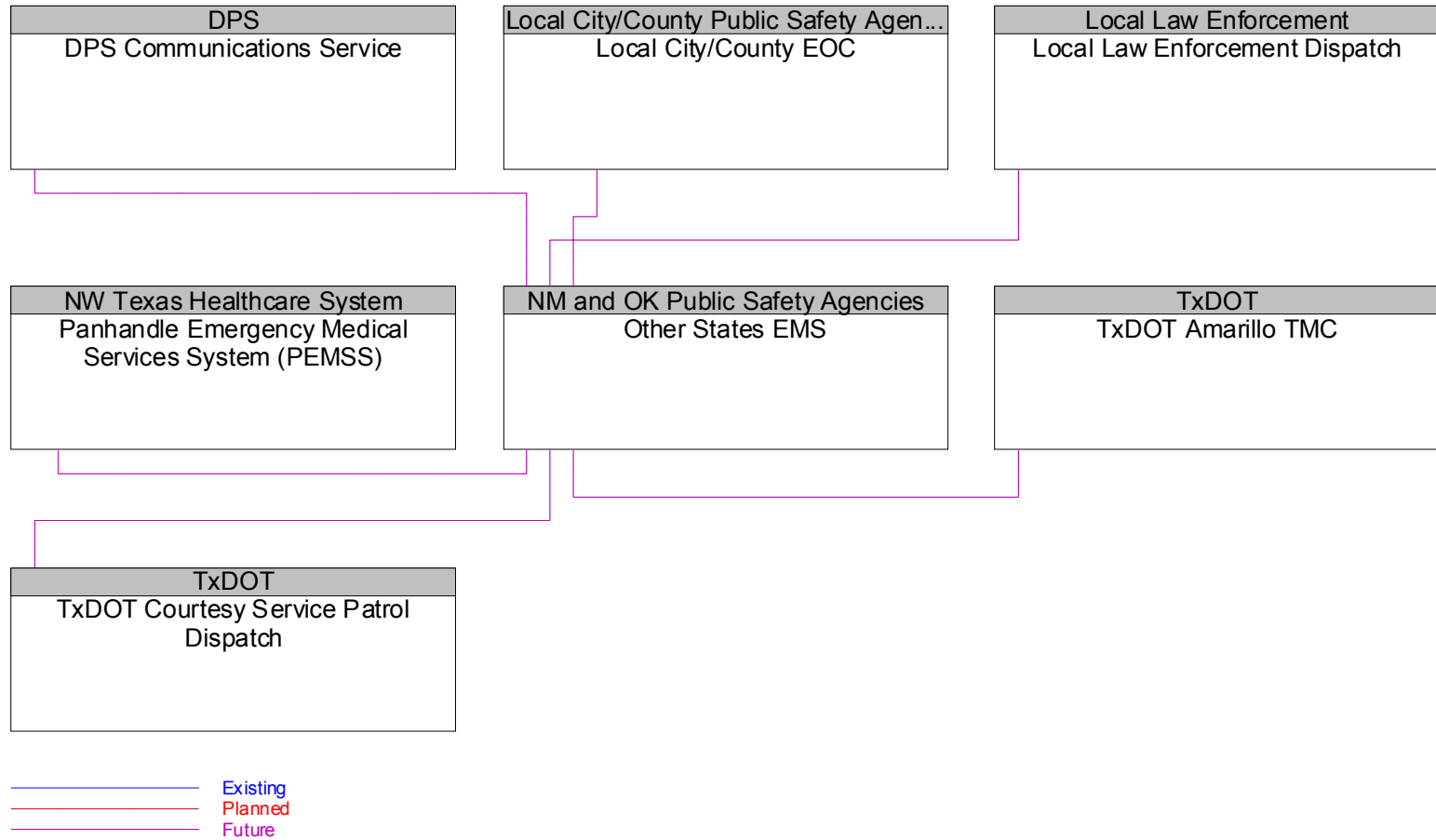


Figure B33 – Other States Maintenance Sections Interfaces

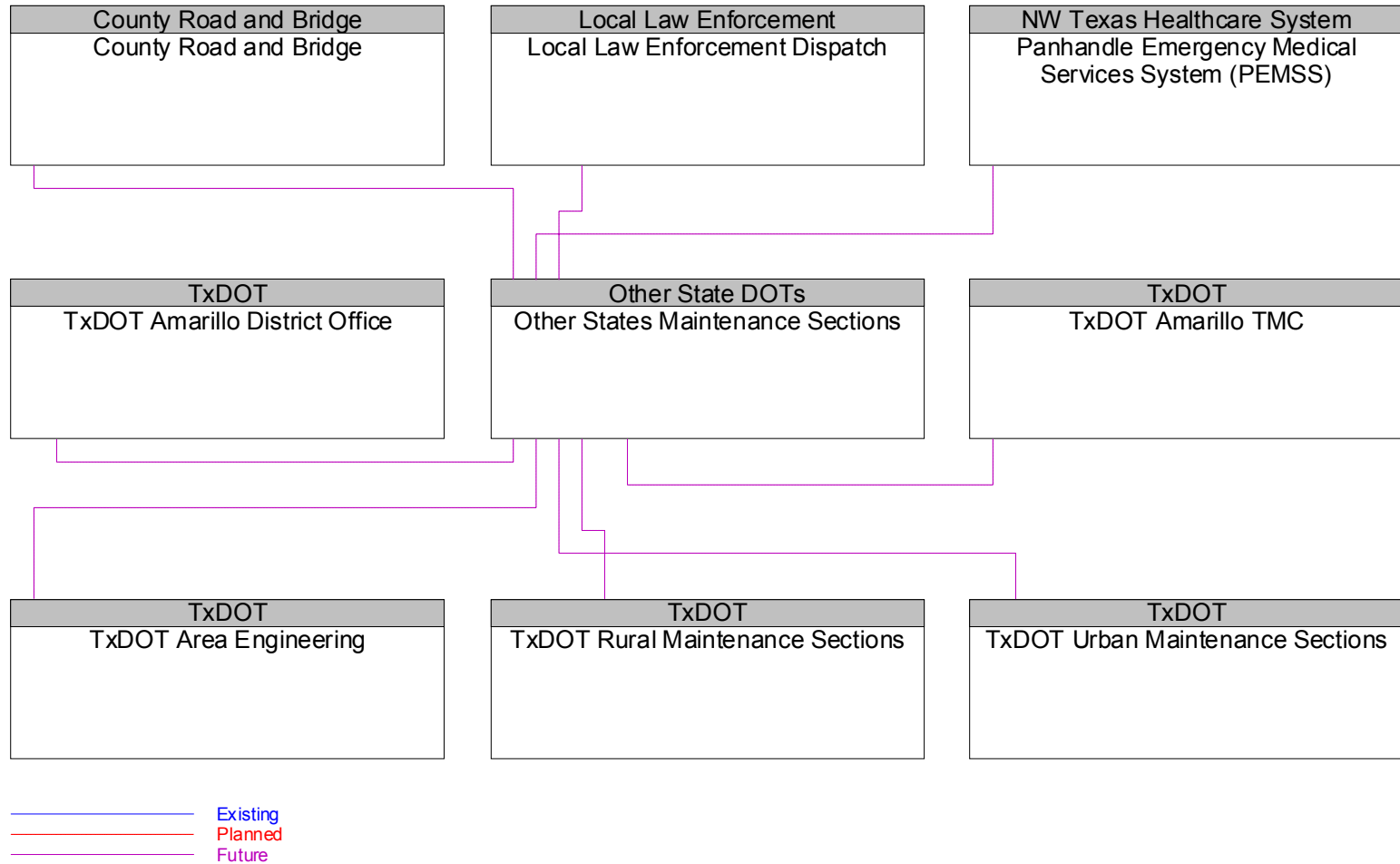


Figure B34 – Other States TMCs Interfaces

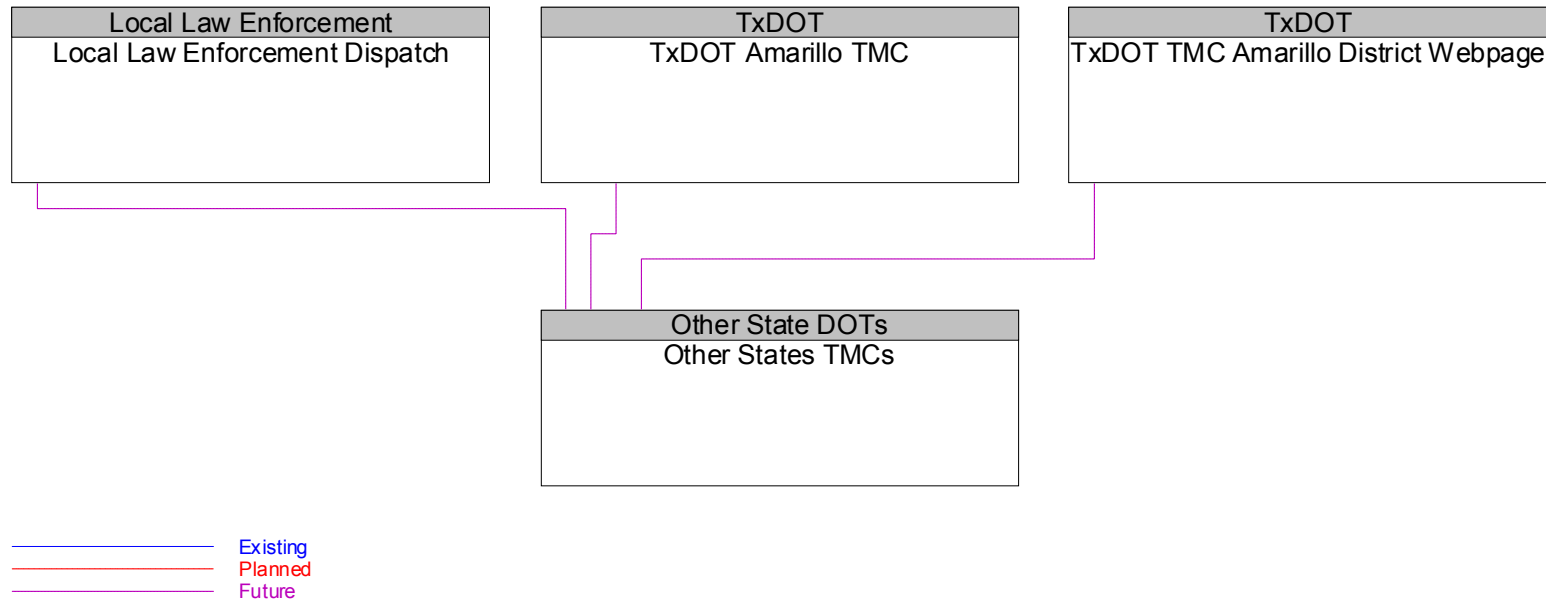


Figure B35 – Other TxDOT District TMCs Interfaces

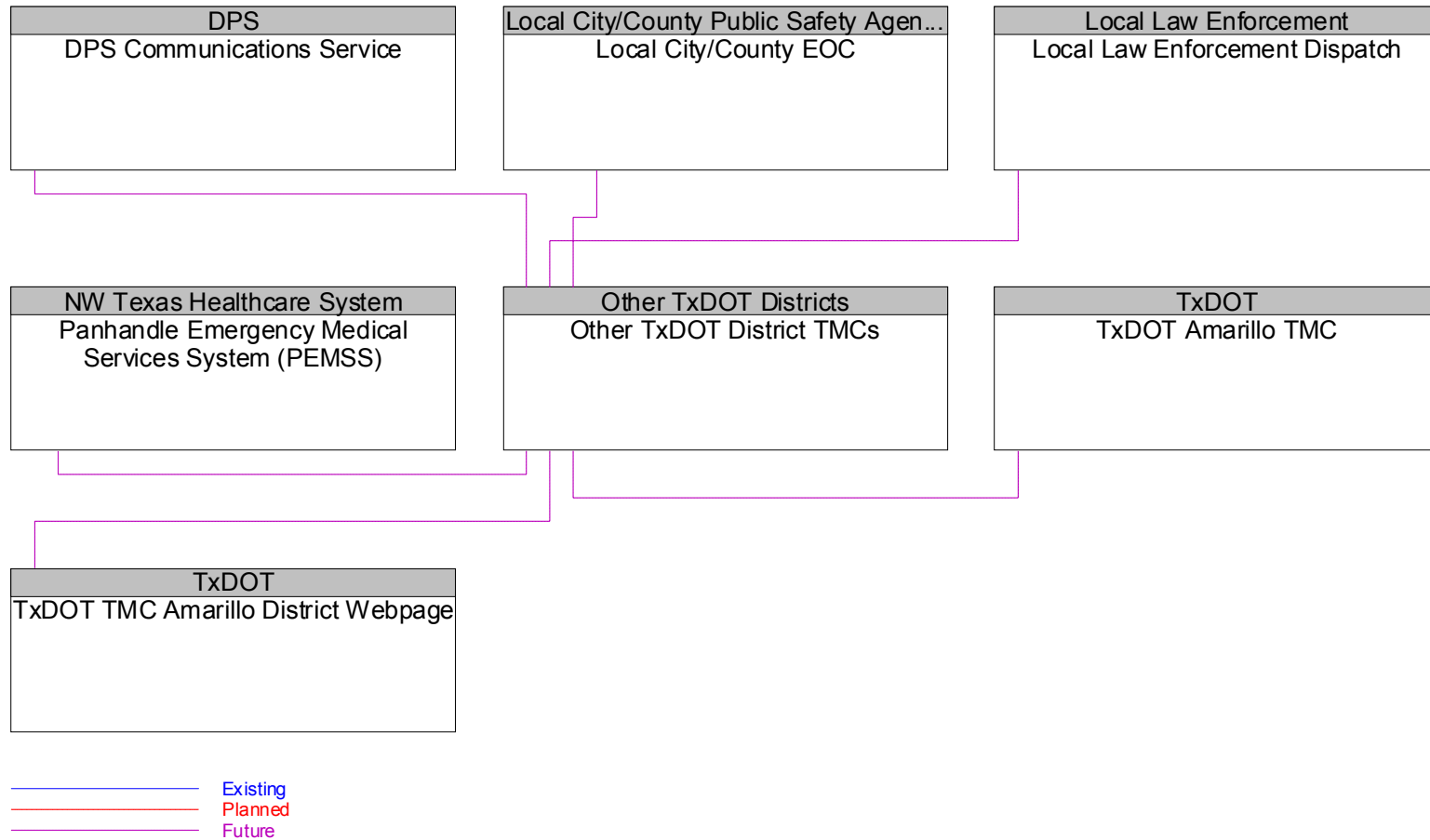


Figure B36 – Panhandle Emergency Medical Services System (PEMSS) Interfaces

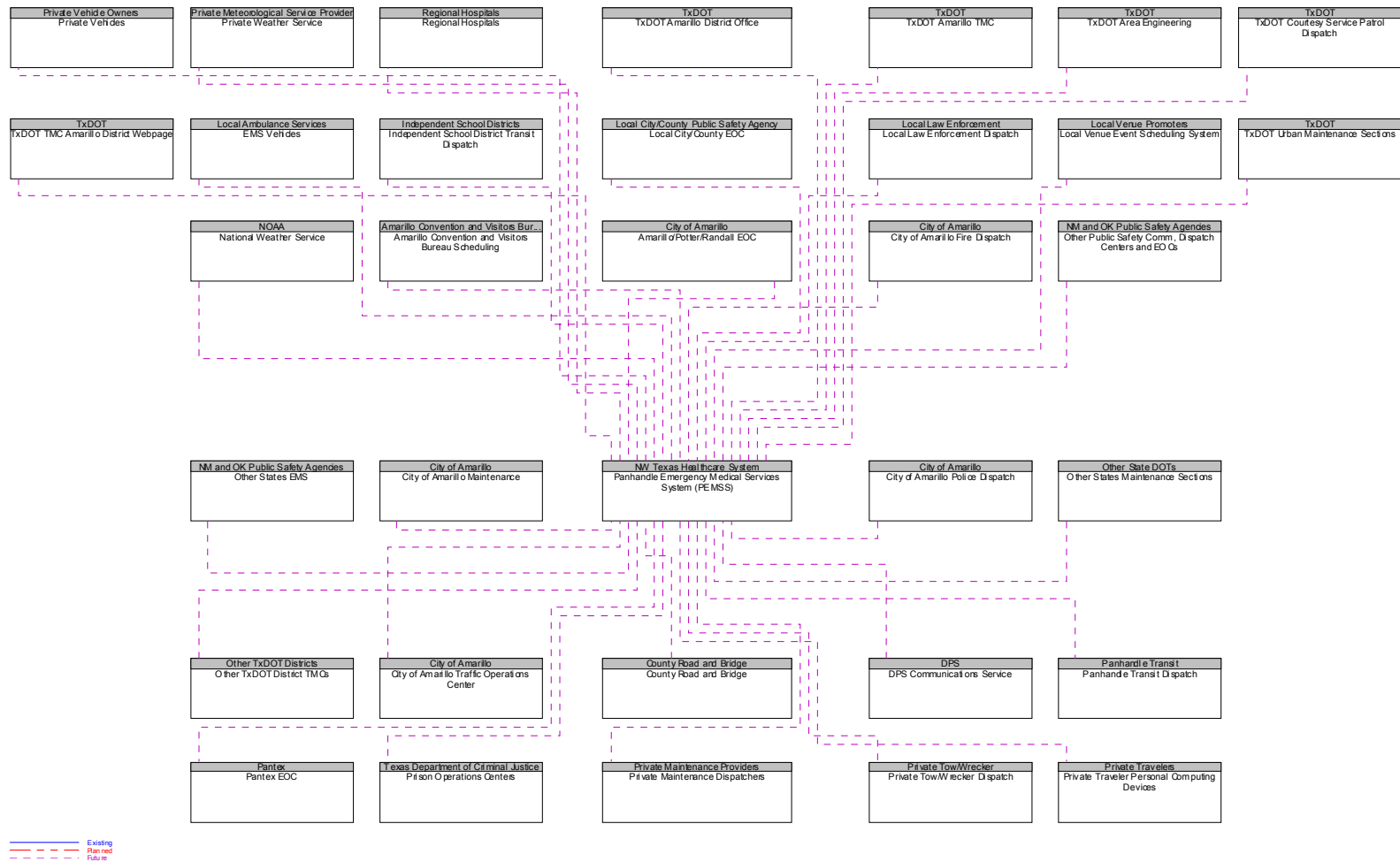


Figure B37 – Panhandle Transit Dispatch Interfaces

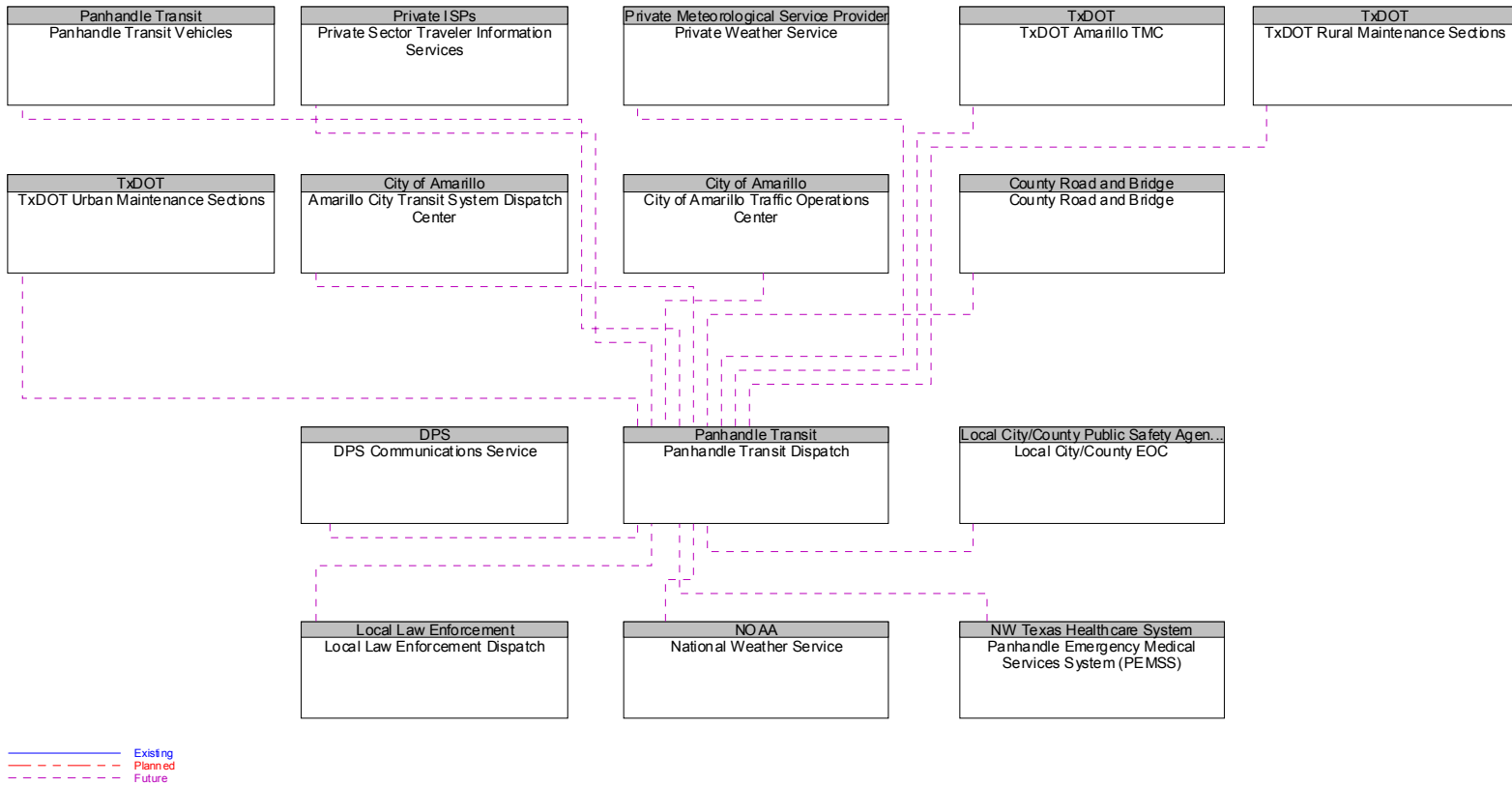


Figure B38 – Panhandle Transit Vehicles Interfaces

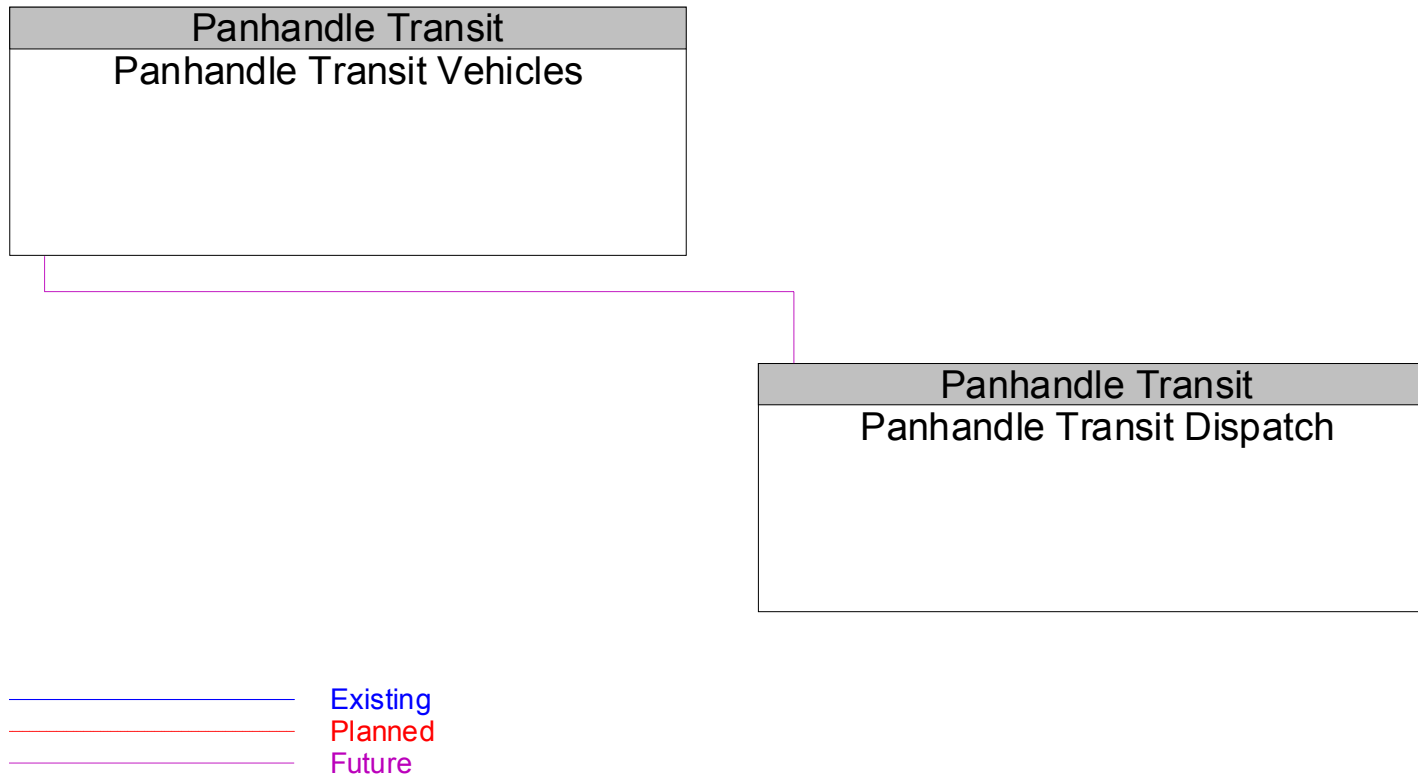


Figure B39 – Pantex Emergency Warning and Notification System Interfaces

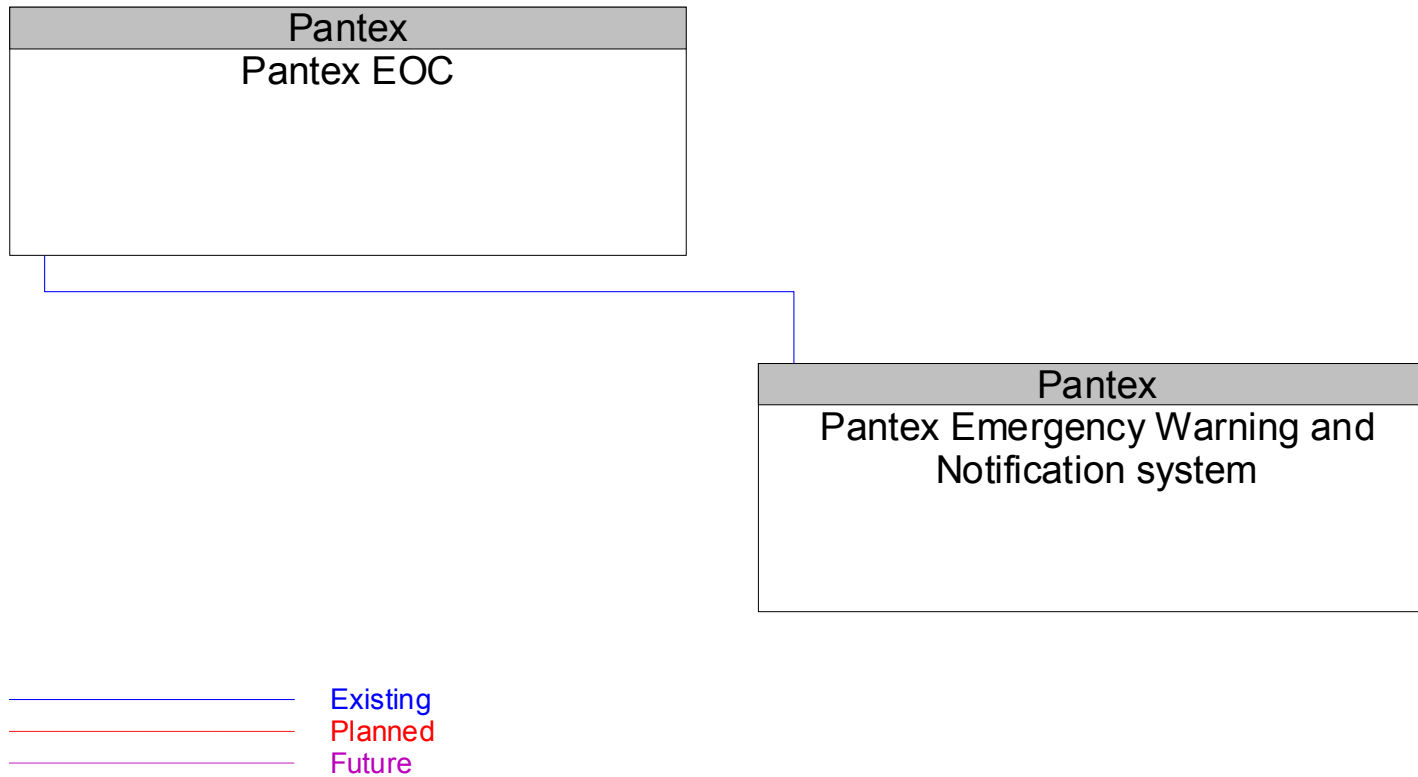


Figure B40 – Pantex EOC Interfaces

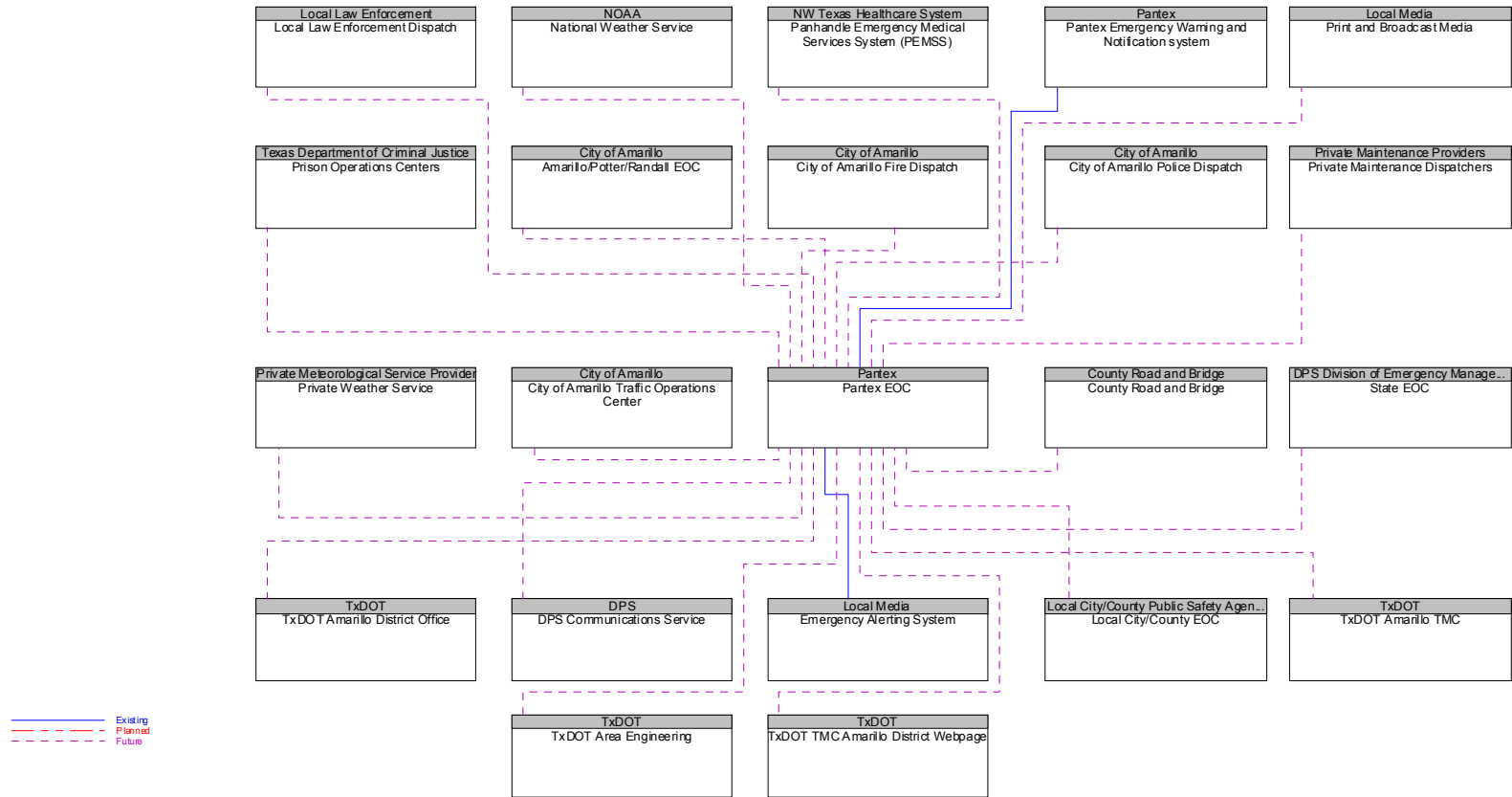


Figure B41 – Print and Broadcast Media Interfaces

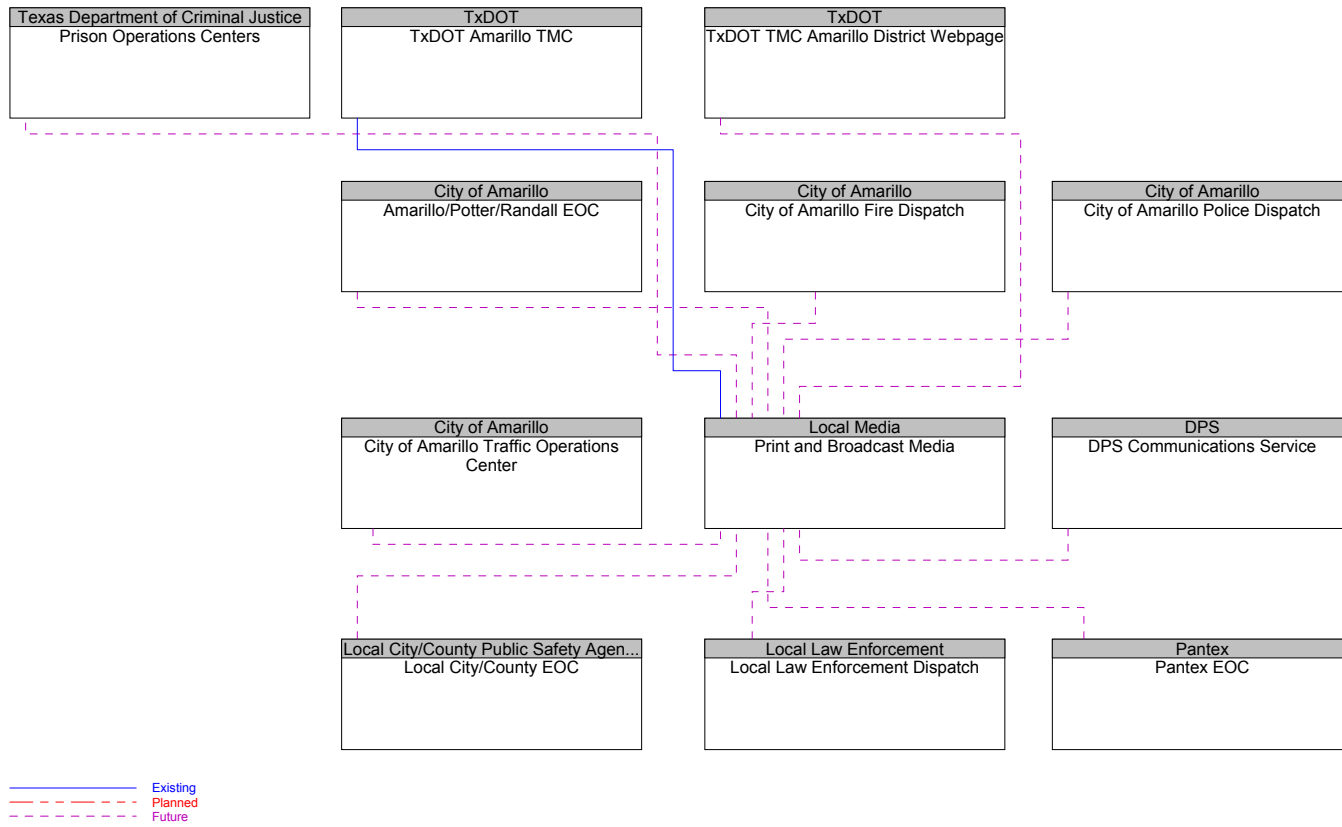


Figure B42 – Prison Operations Centers Interfaces

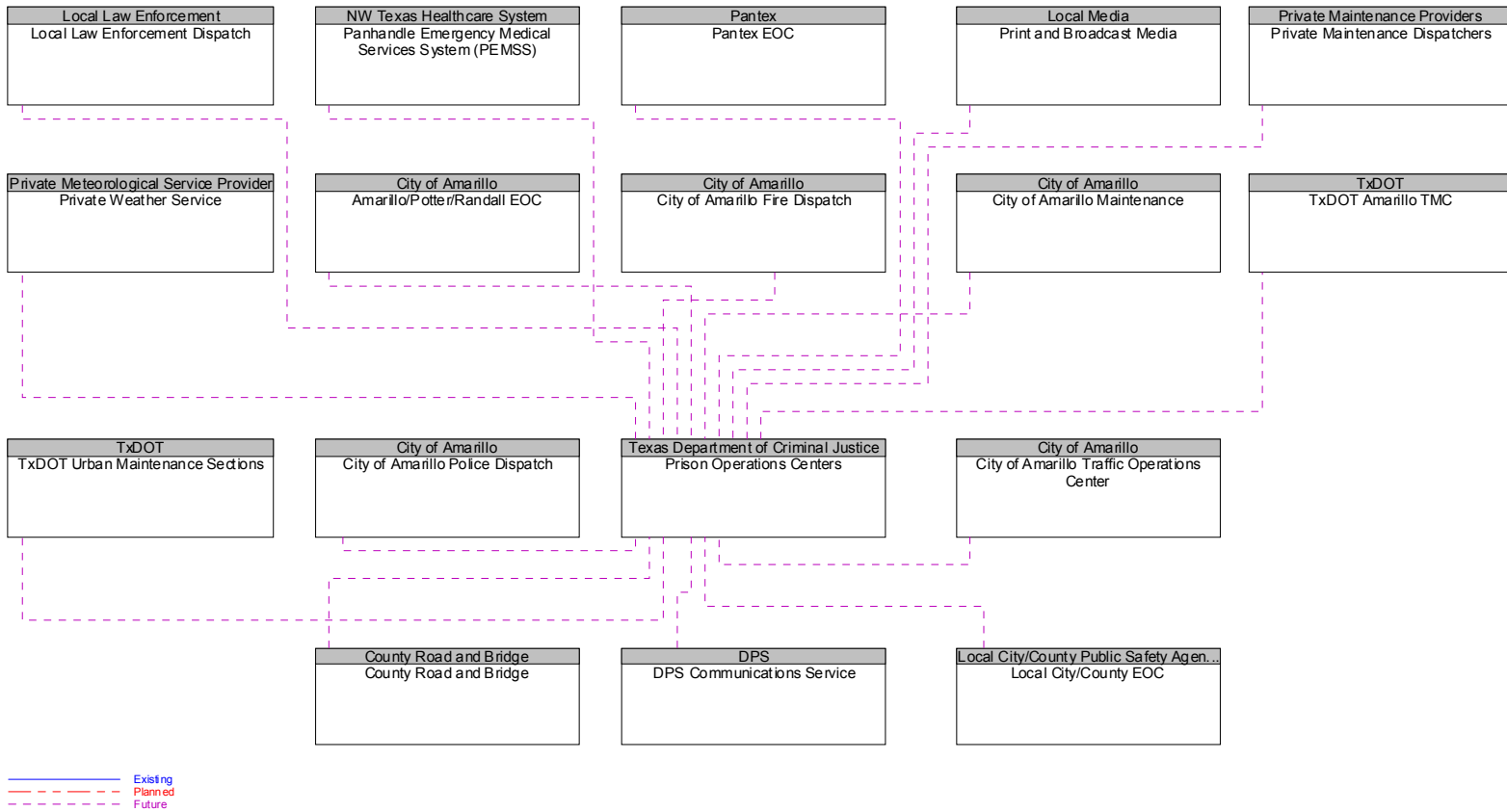


Figure B43 – Private Commercial Vehicle Fleet Management Interfaces

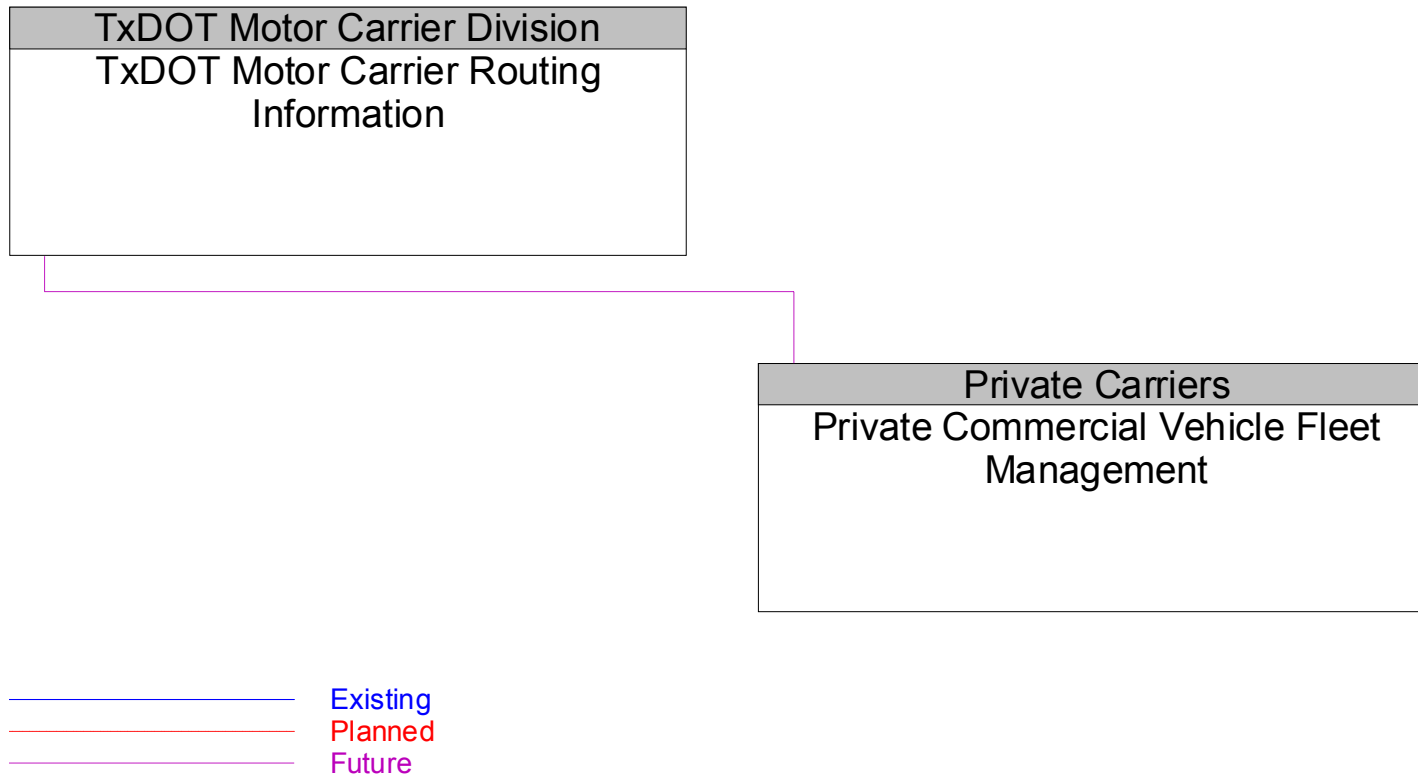


Figure B44 – Private Maintenance Dispatchers Interfaces

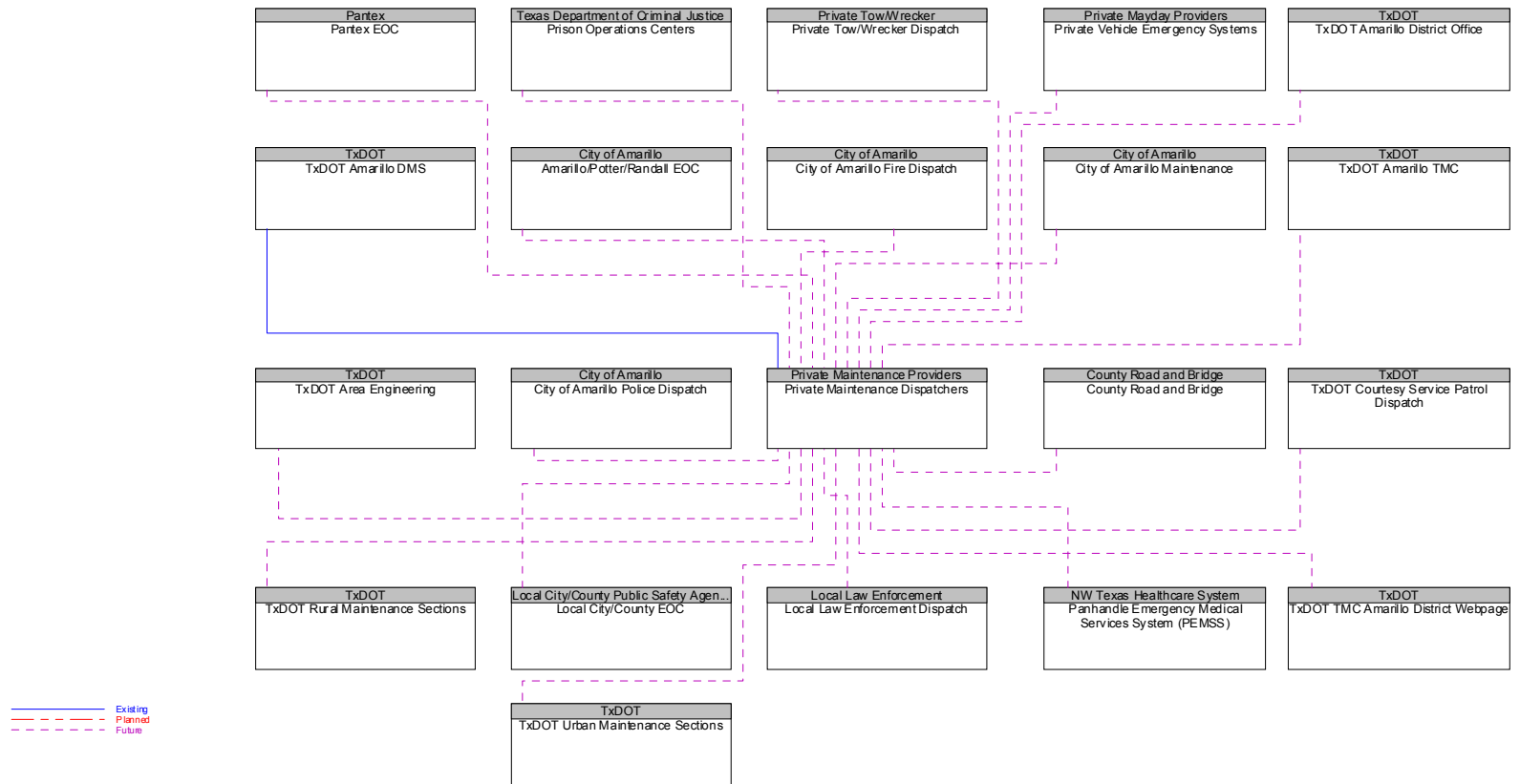


Figure B45 – Private Sector Traveler Information Services Interfaces

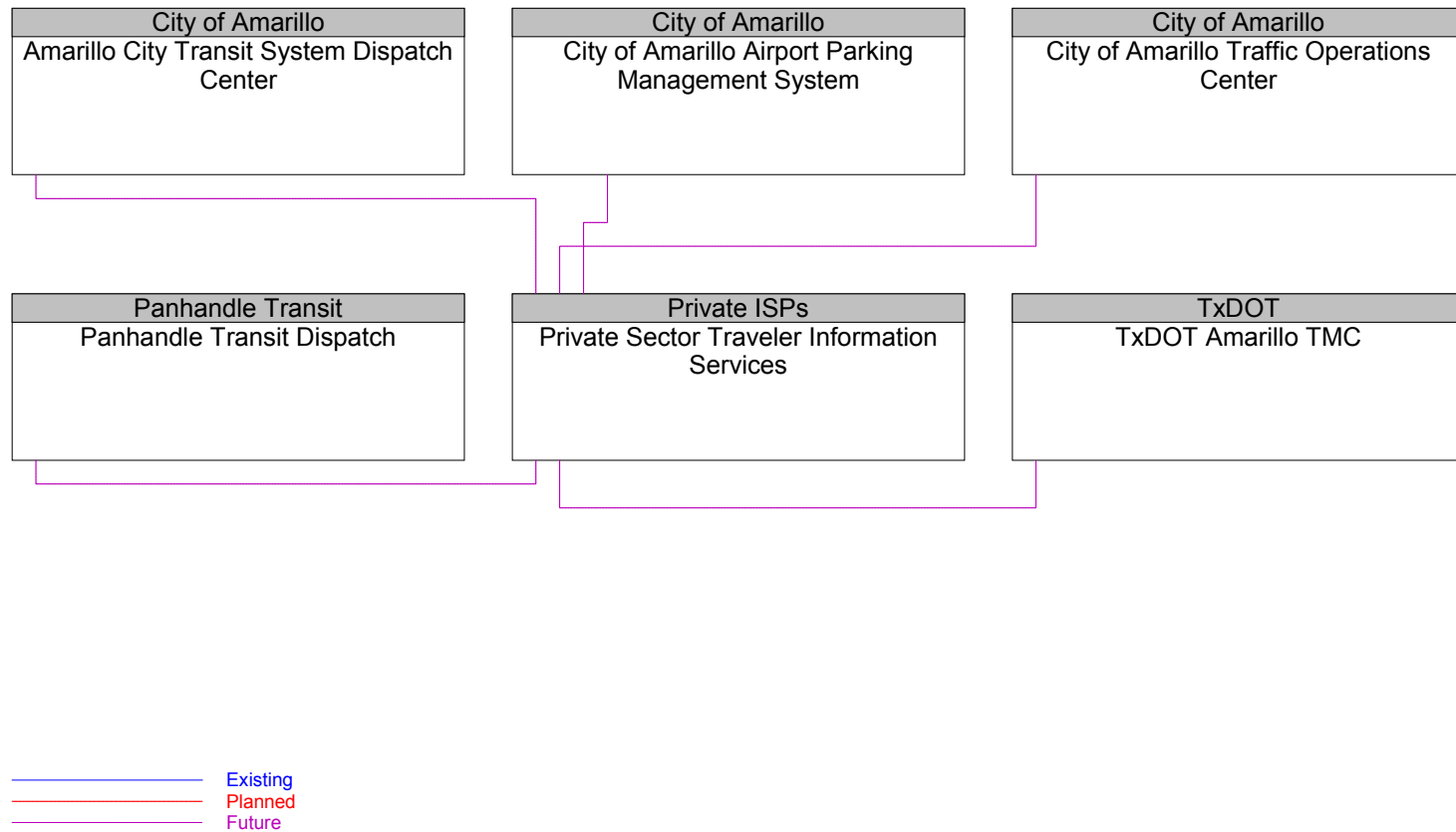


Figure B46 – Private Tow/Wrecker Dispatch Interfaces

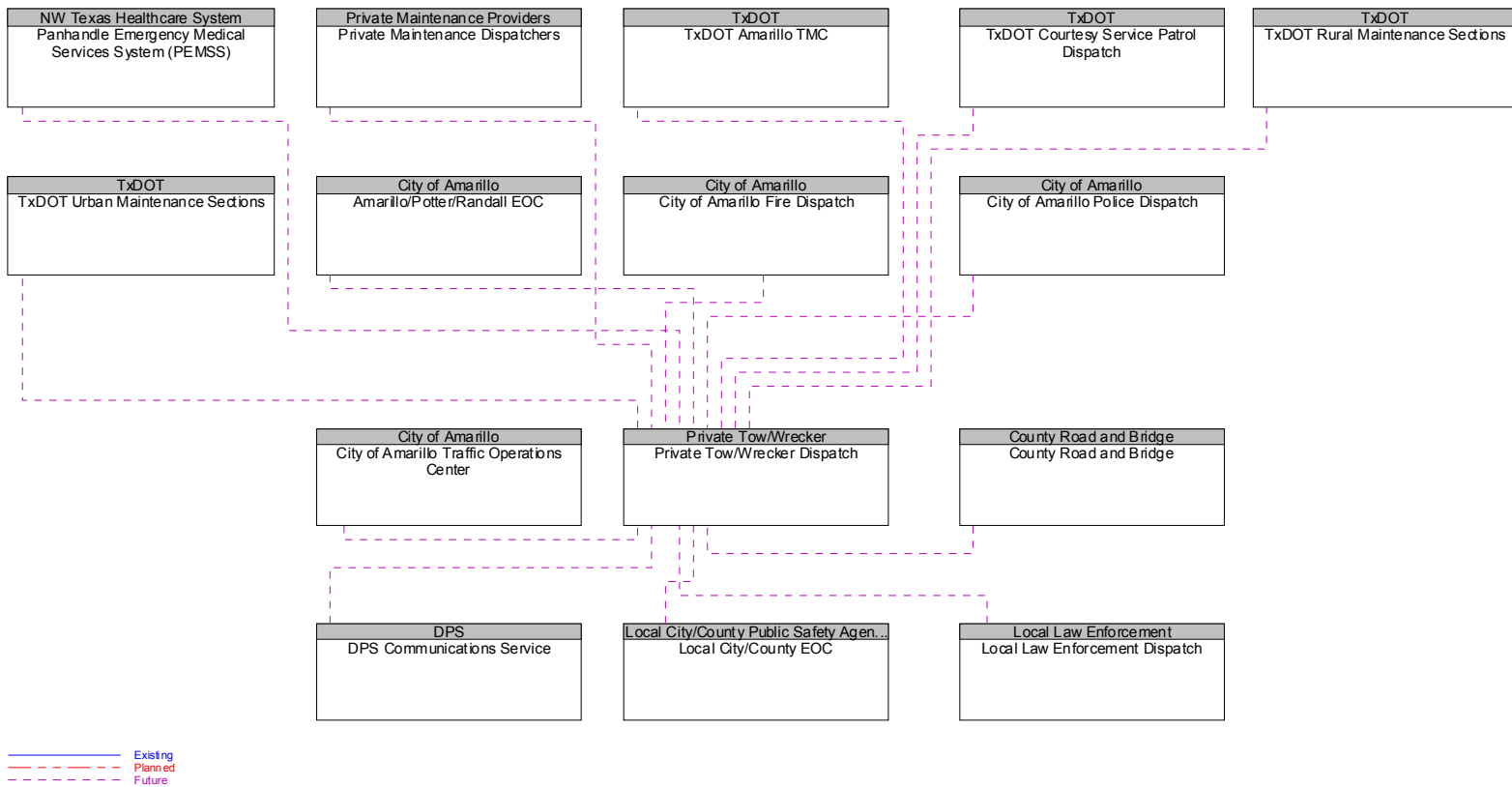


Figure B47 – Private Traveler Personal Computing Devices Interfaces

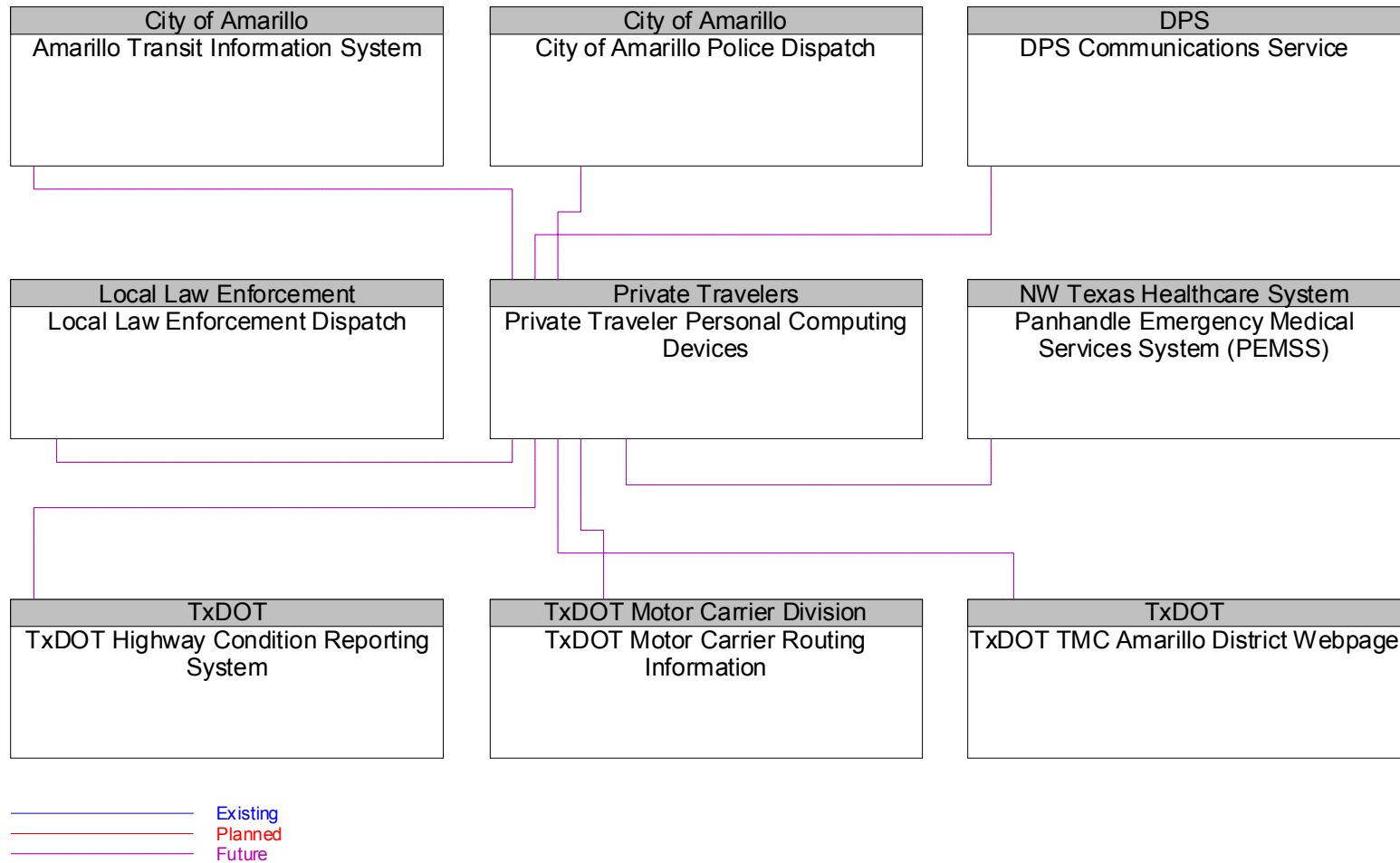


Figure B48 – Private Vehicle Emergency Systems Interfaces

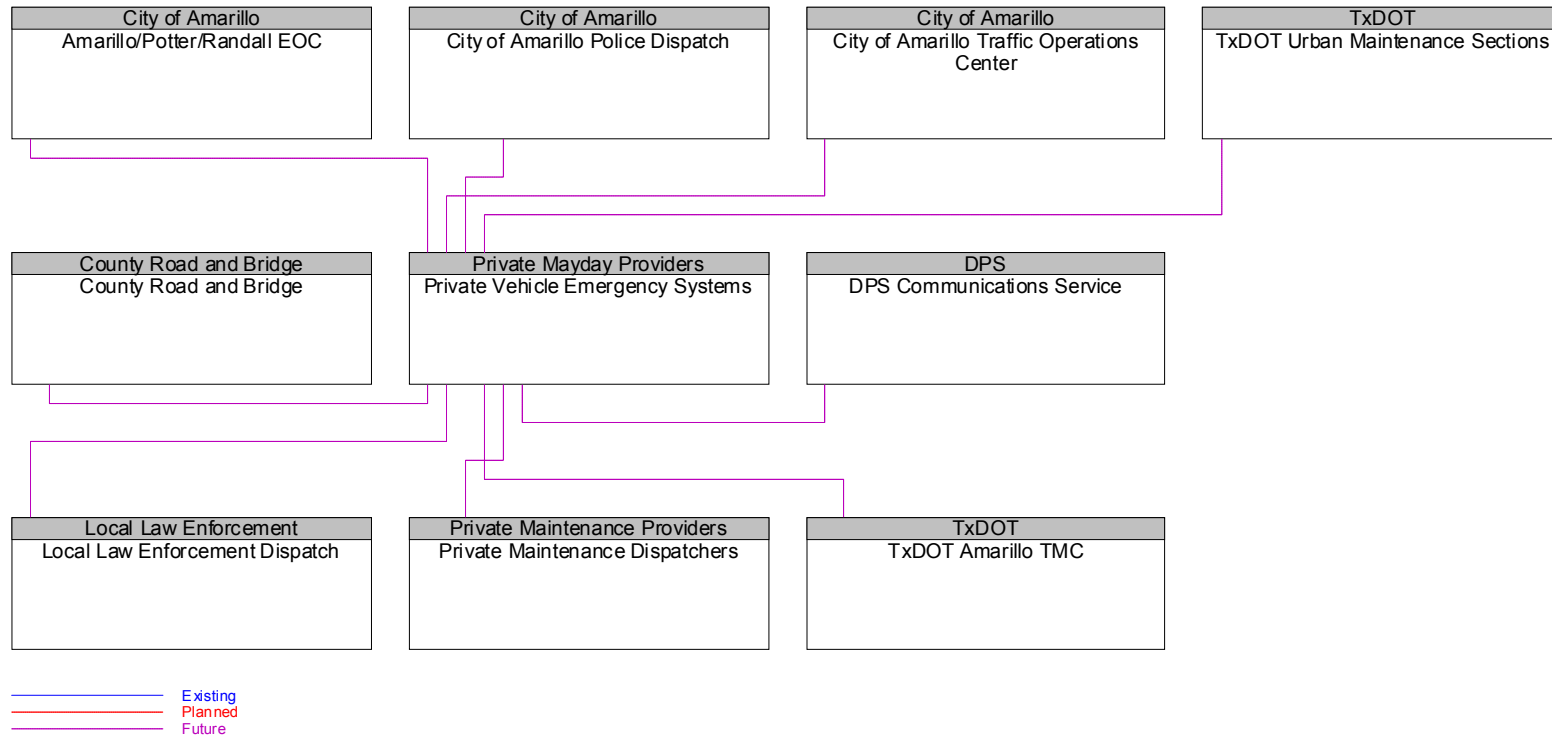


Figure B49 – Private Vehicles Interfaces

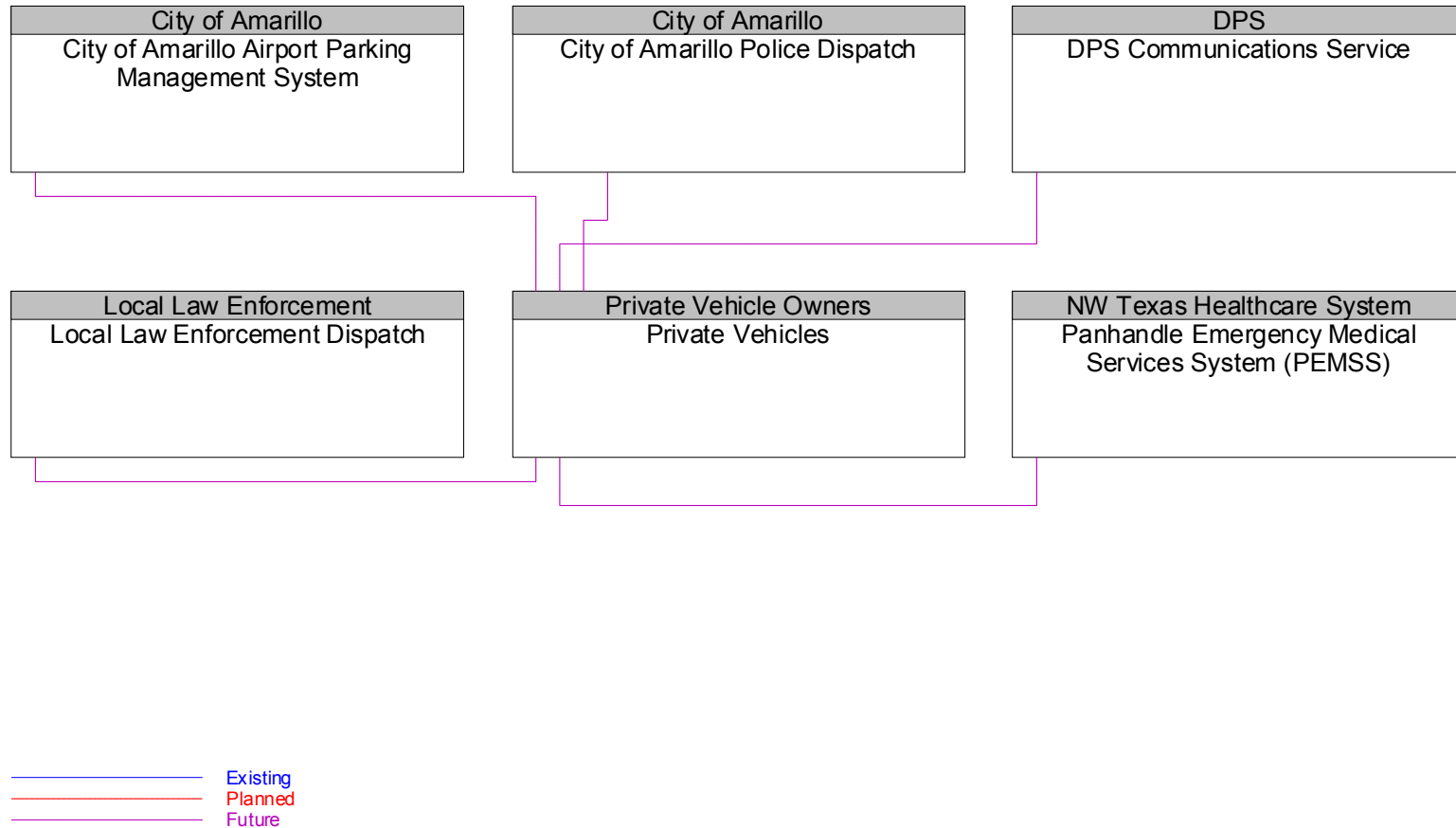


Figure B50 – Private Weather Service Interfaces

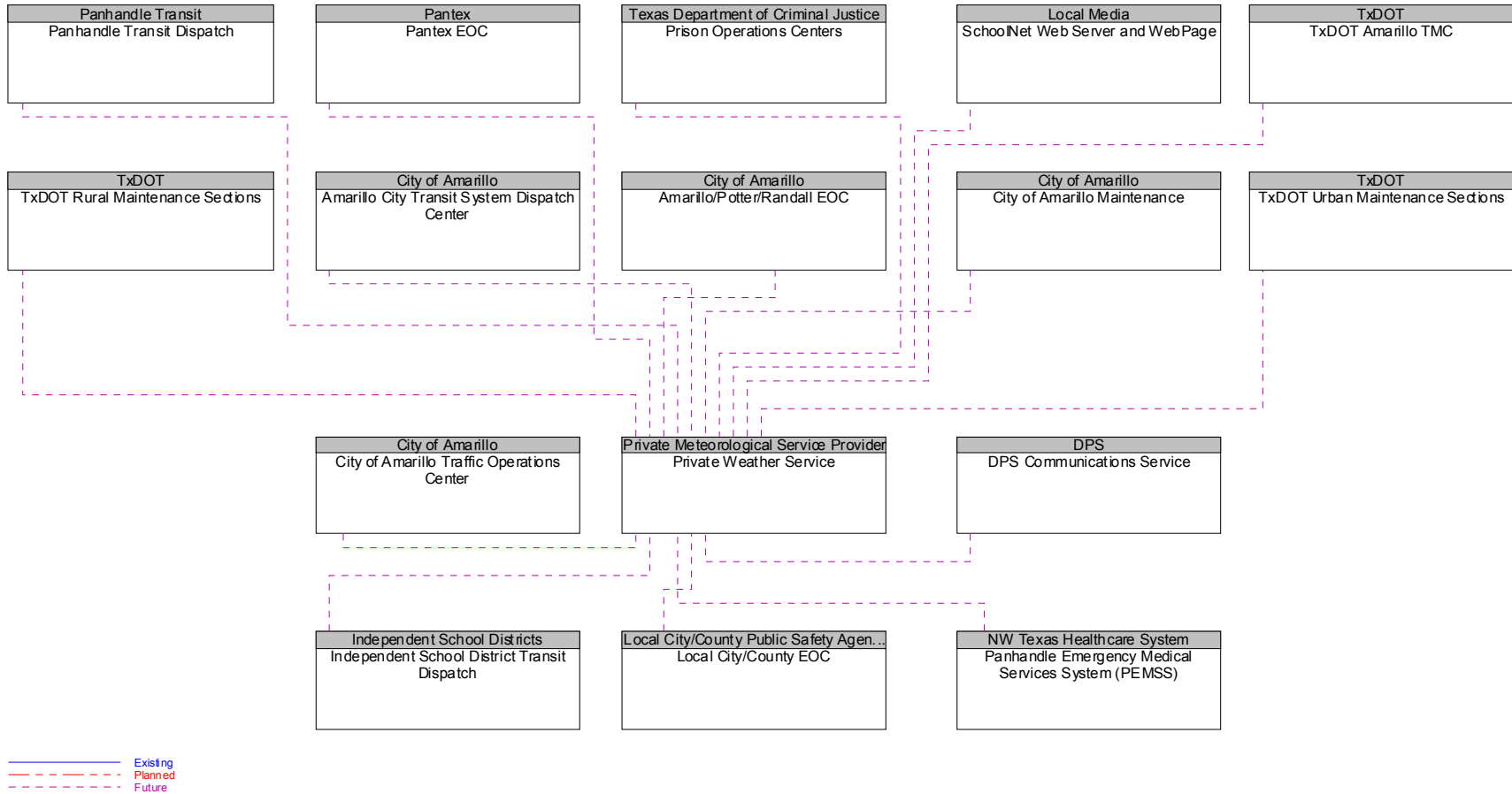


Figure B51 – Rail Operations Interfaces

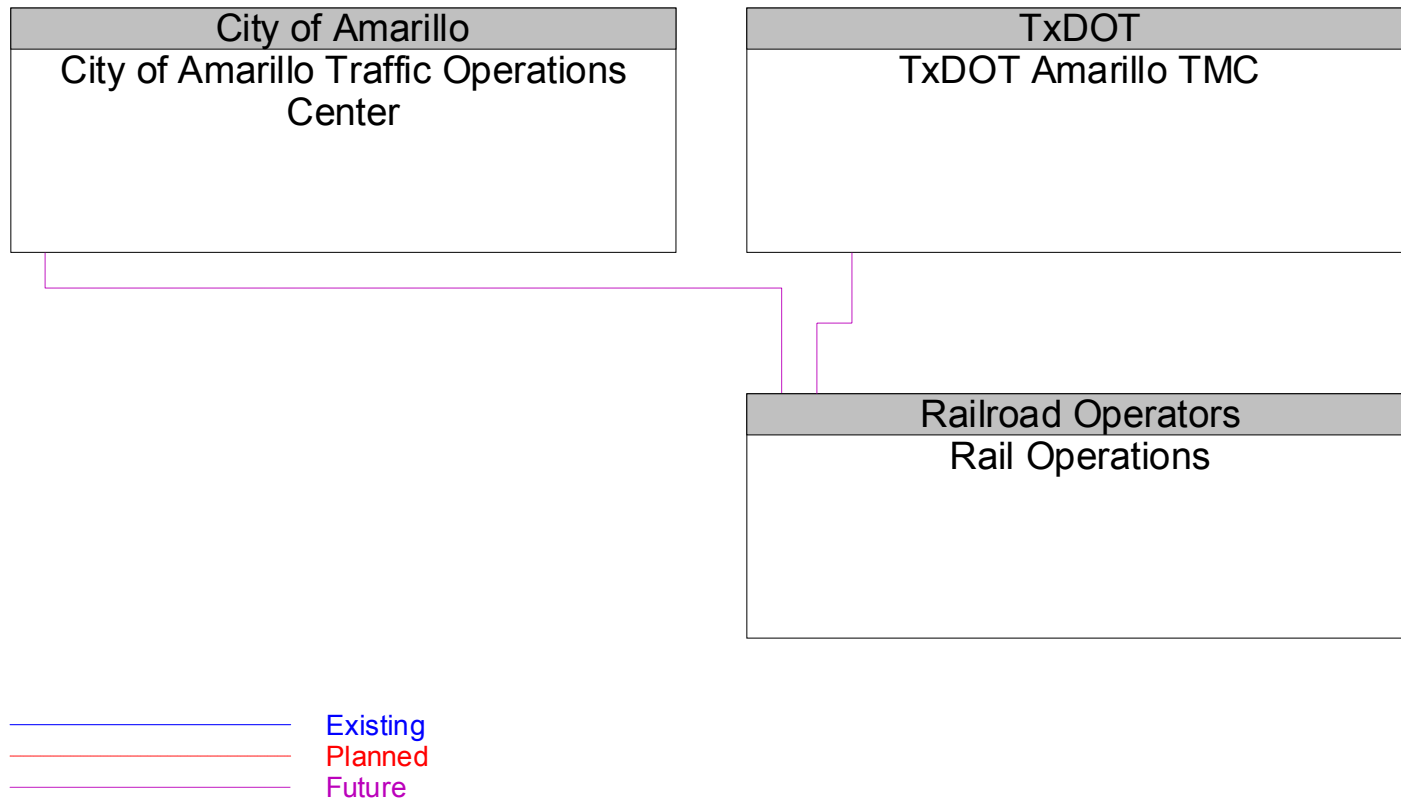


Figure B52 – Regional Hospitals Interfaces

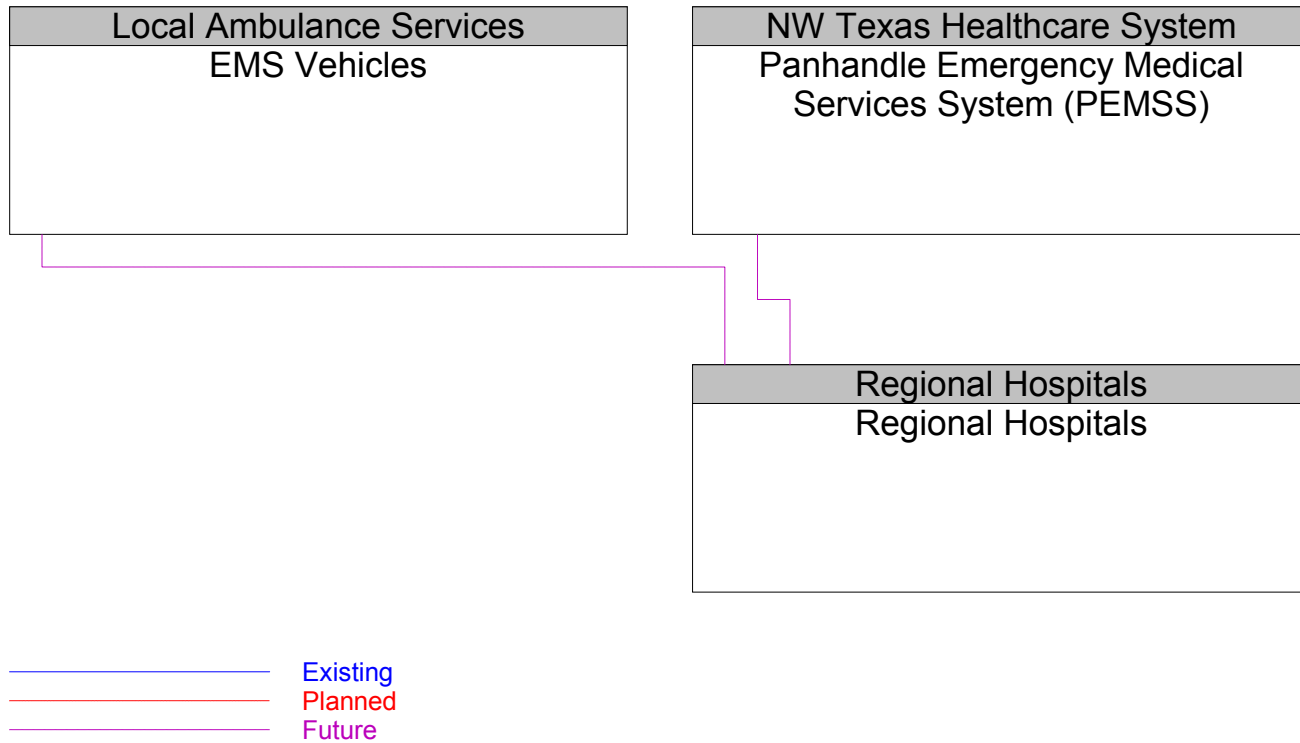


Figure B53 – Rest Areas/Visitor Centers/Service Plaza Kiosks Interfaces

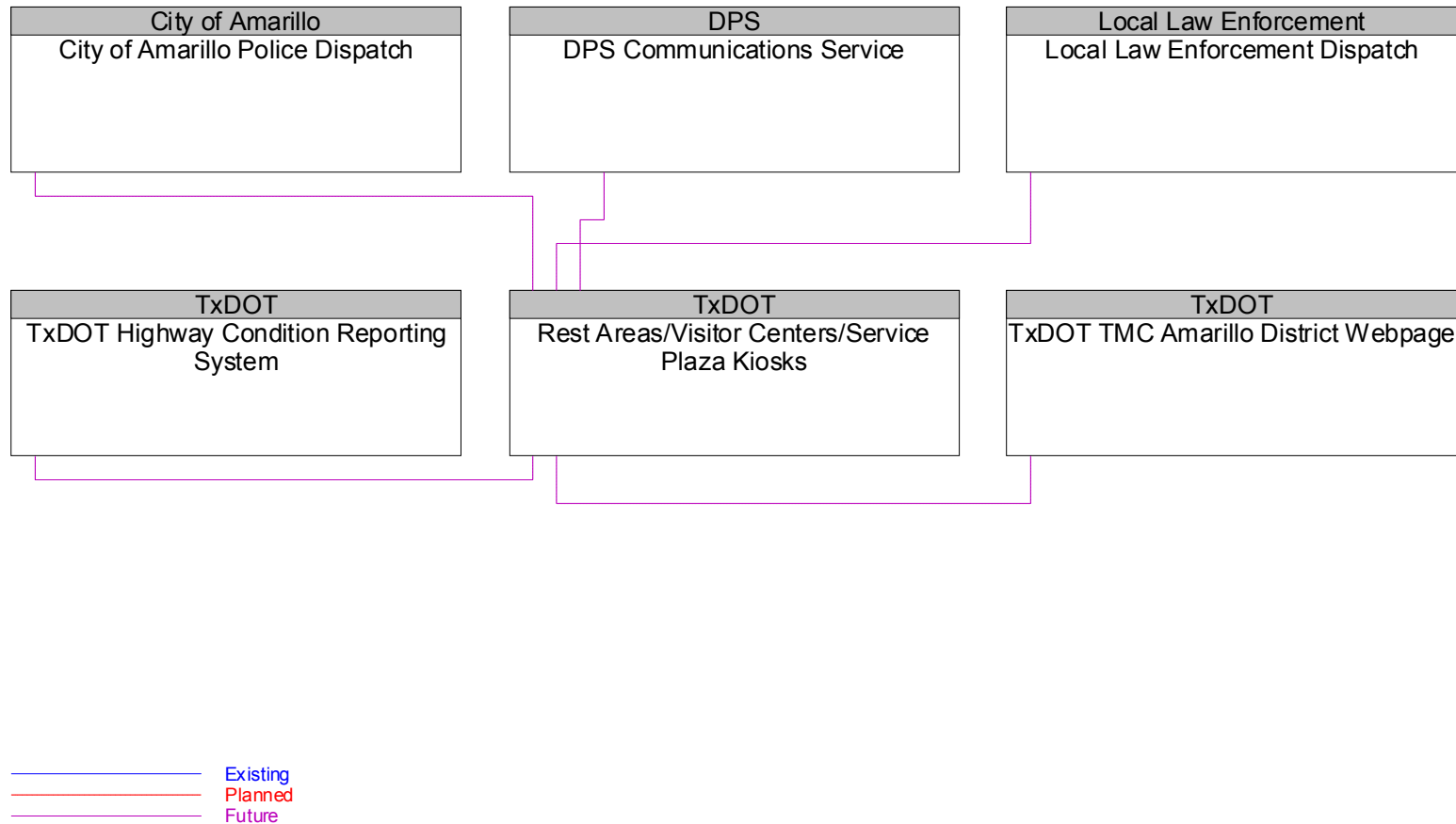


Figure B54 – School District Buses Interfaces

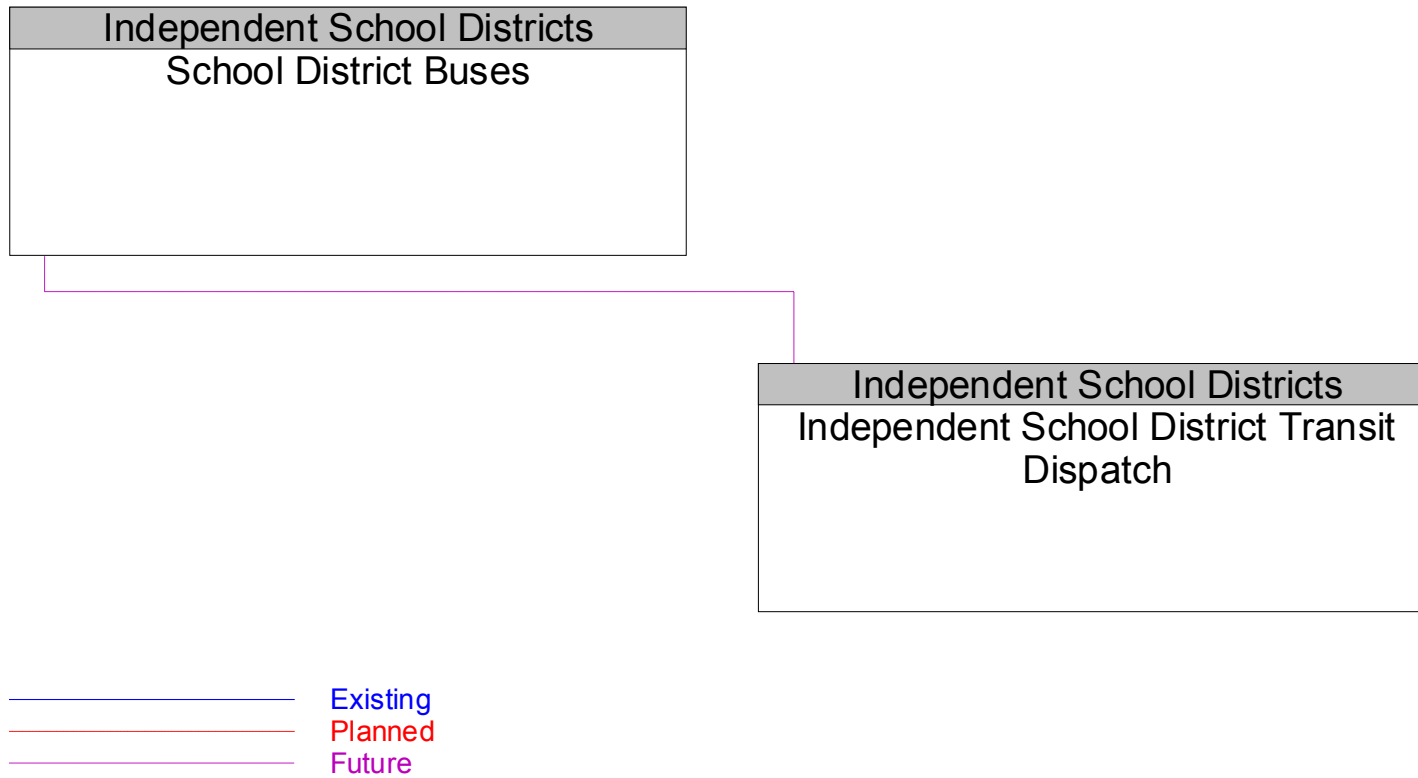


Figure B55 – SchoolNet Weather Station Interfaces

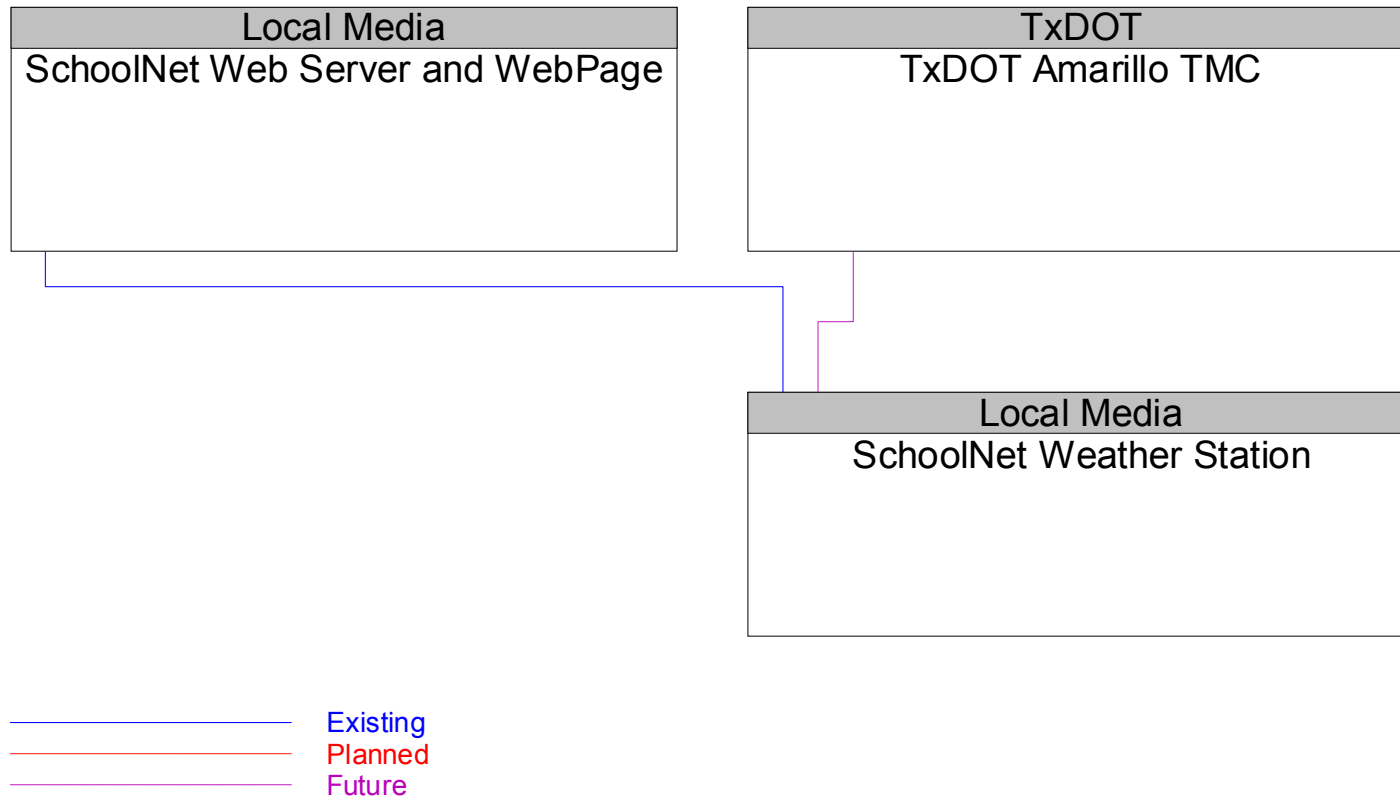


Figure B57 – State EOC Interfaces

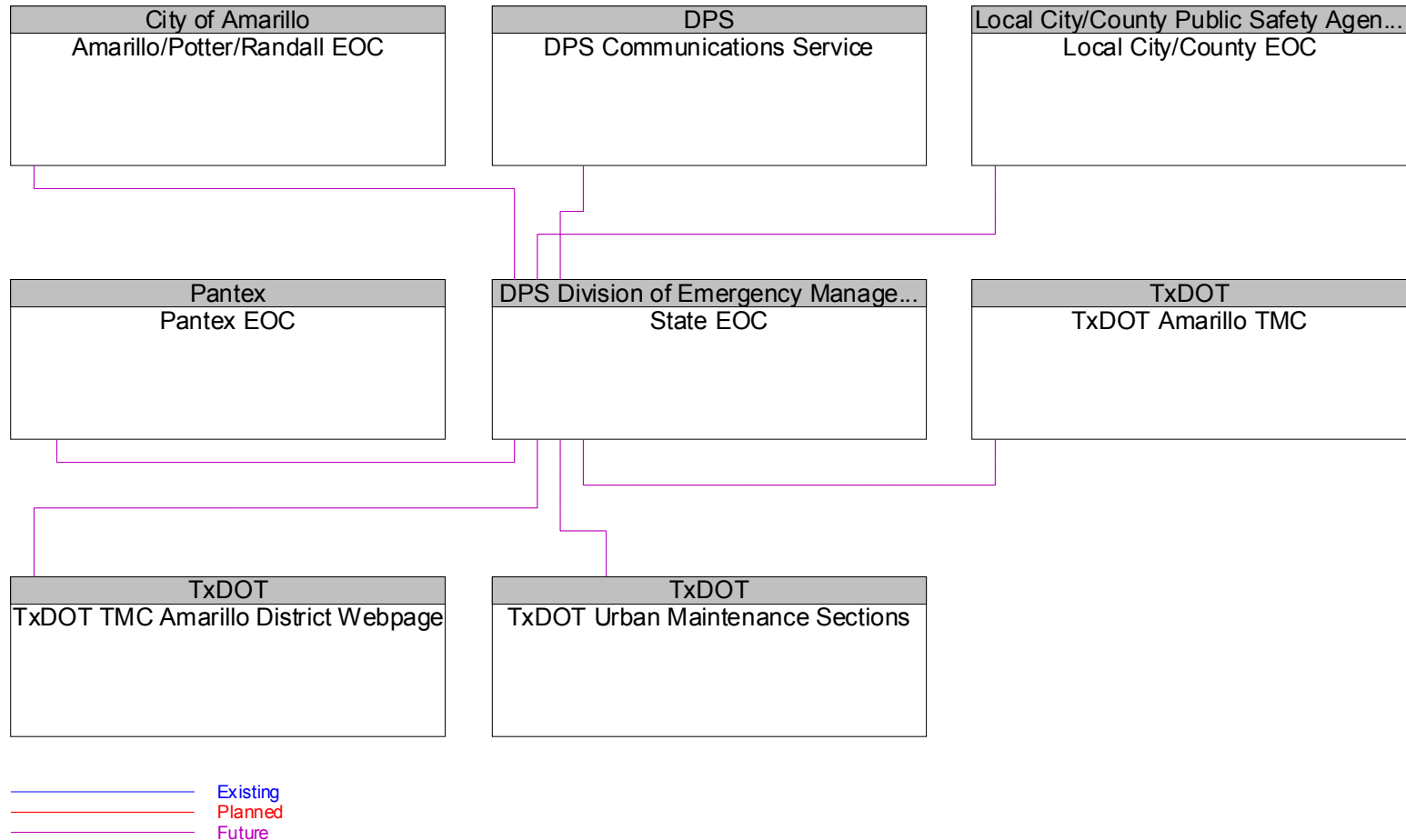


Figure B58 – Telco 911 Call Routing Interfaces

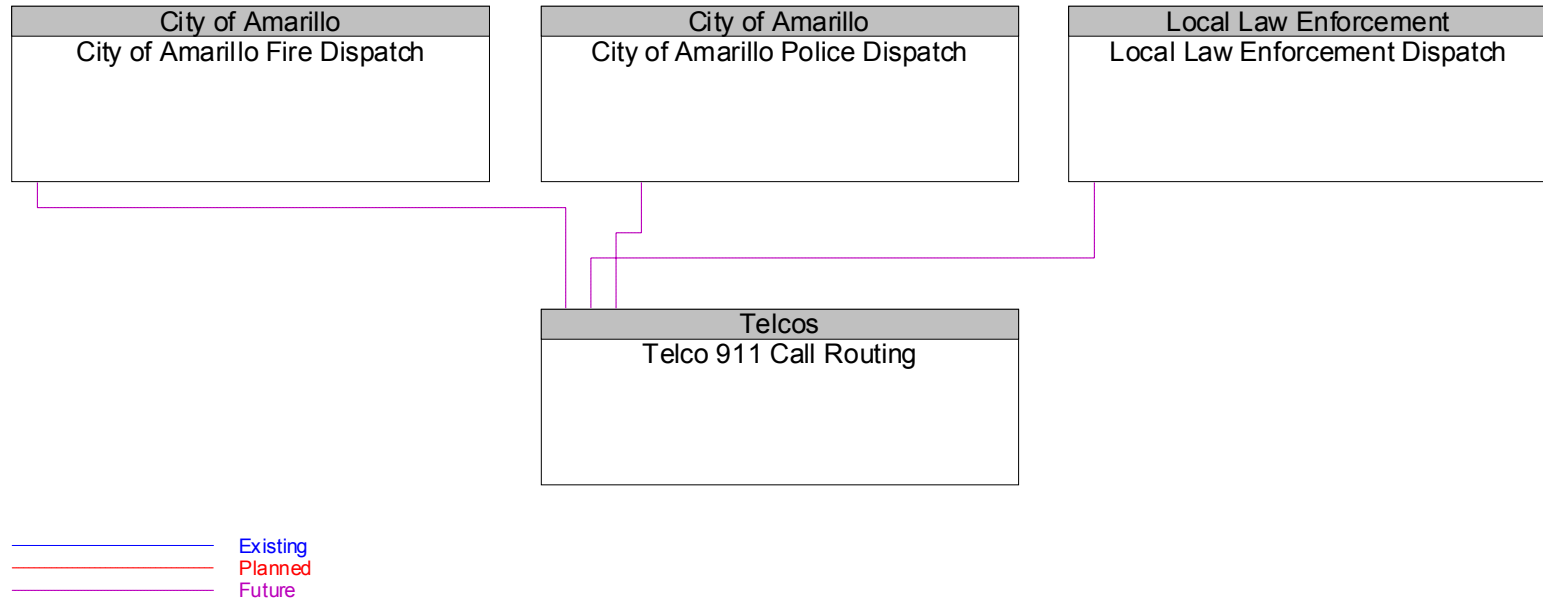


Figure B59 – Transit Kiosks Interfaces

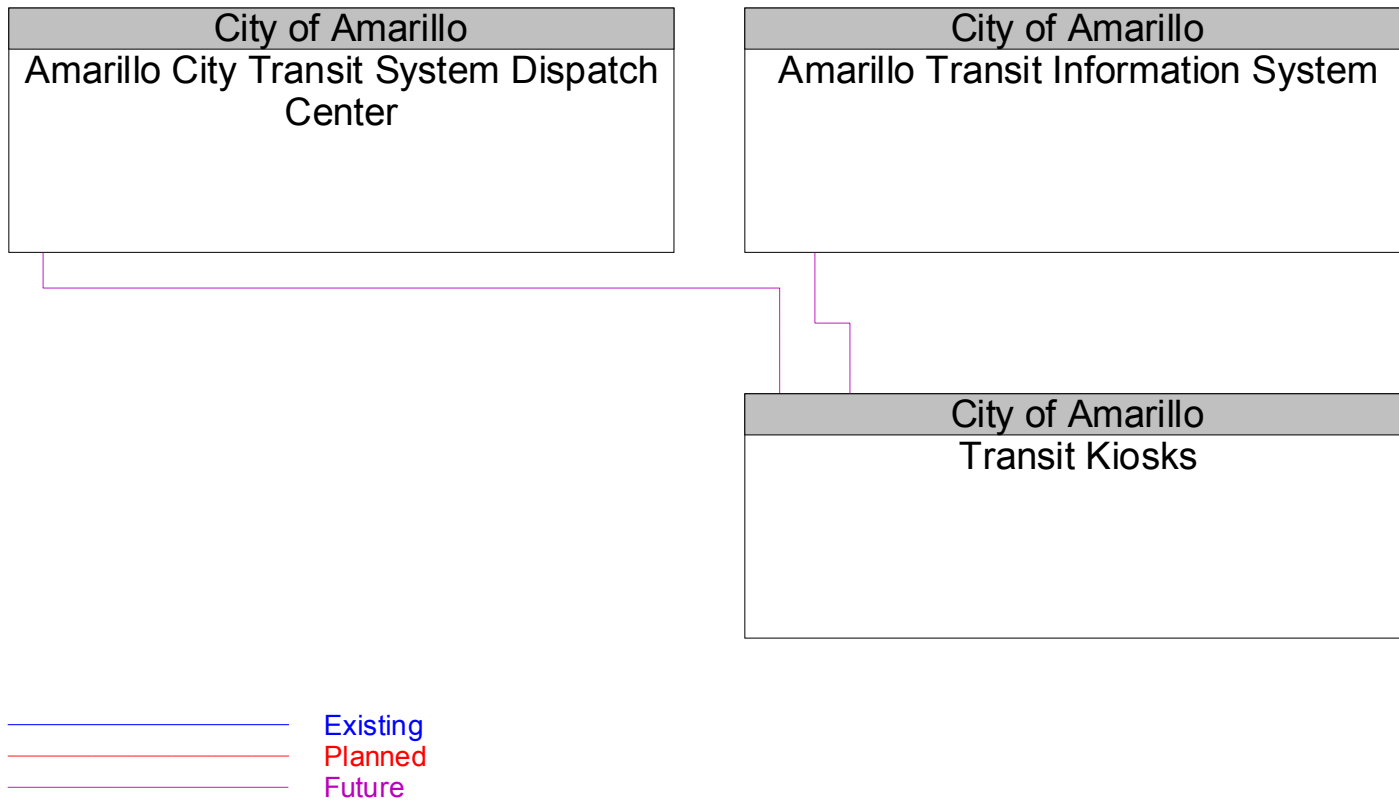


Figure B60 – TxDOT Amarillo CCTV Interfaces

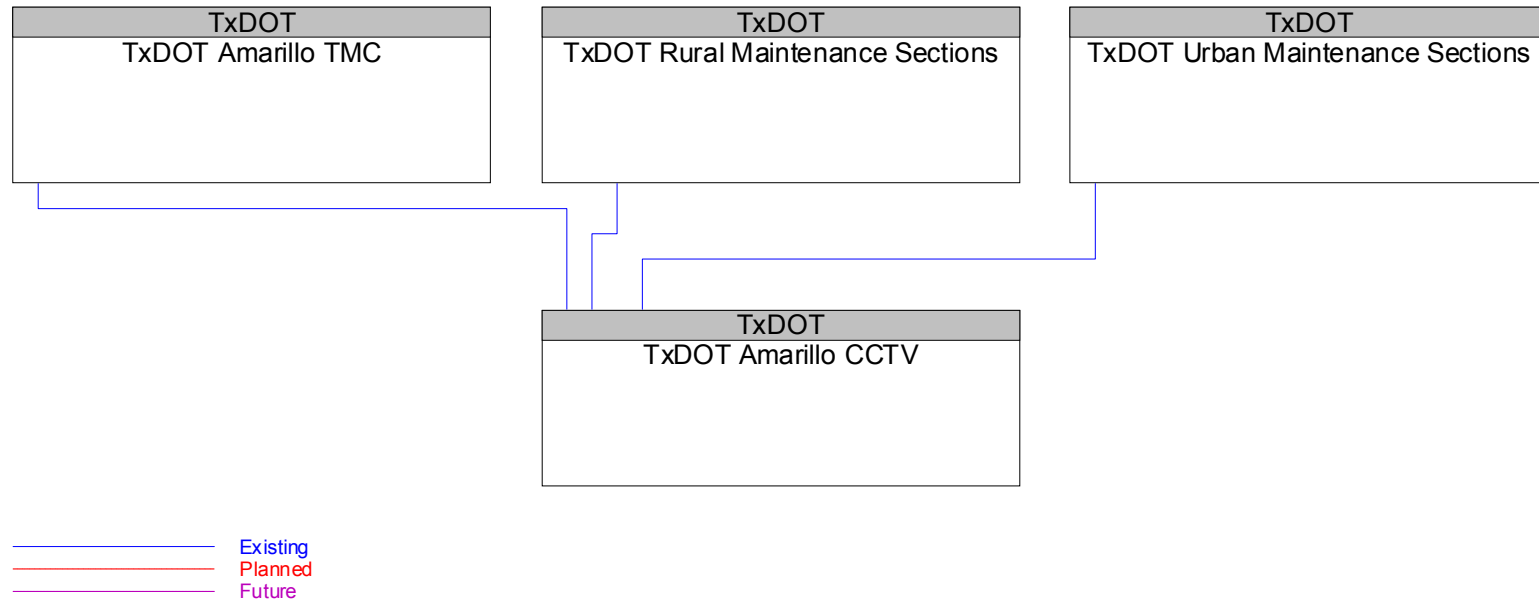


Figure B61 – TxDOT Amarillo District Office Interfaces

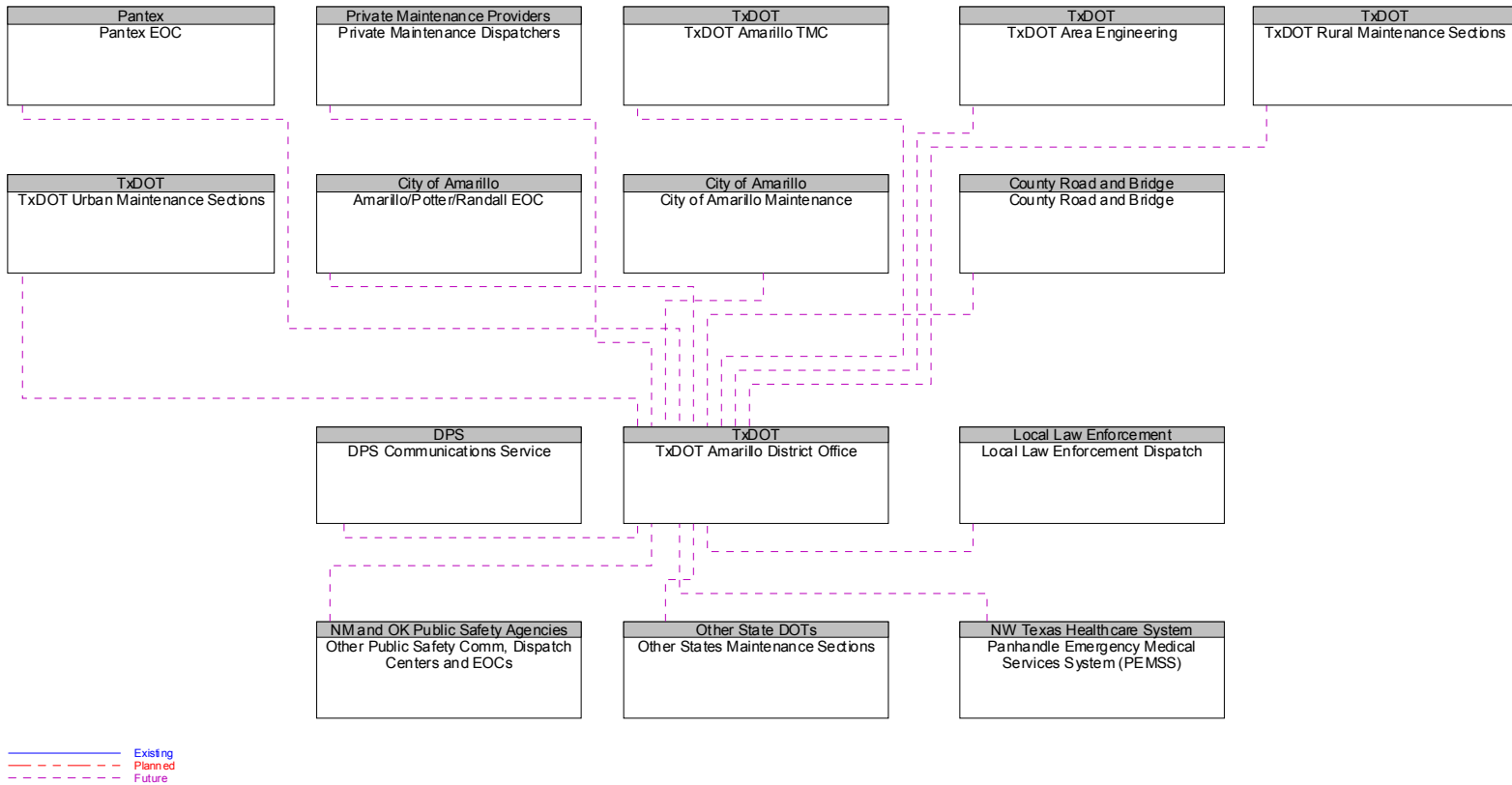


Figure B62 – TxDOT Amarillo DMS Interfaces

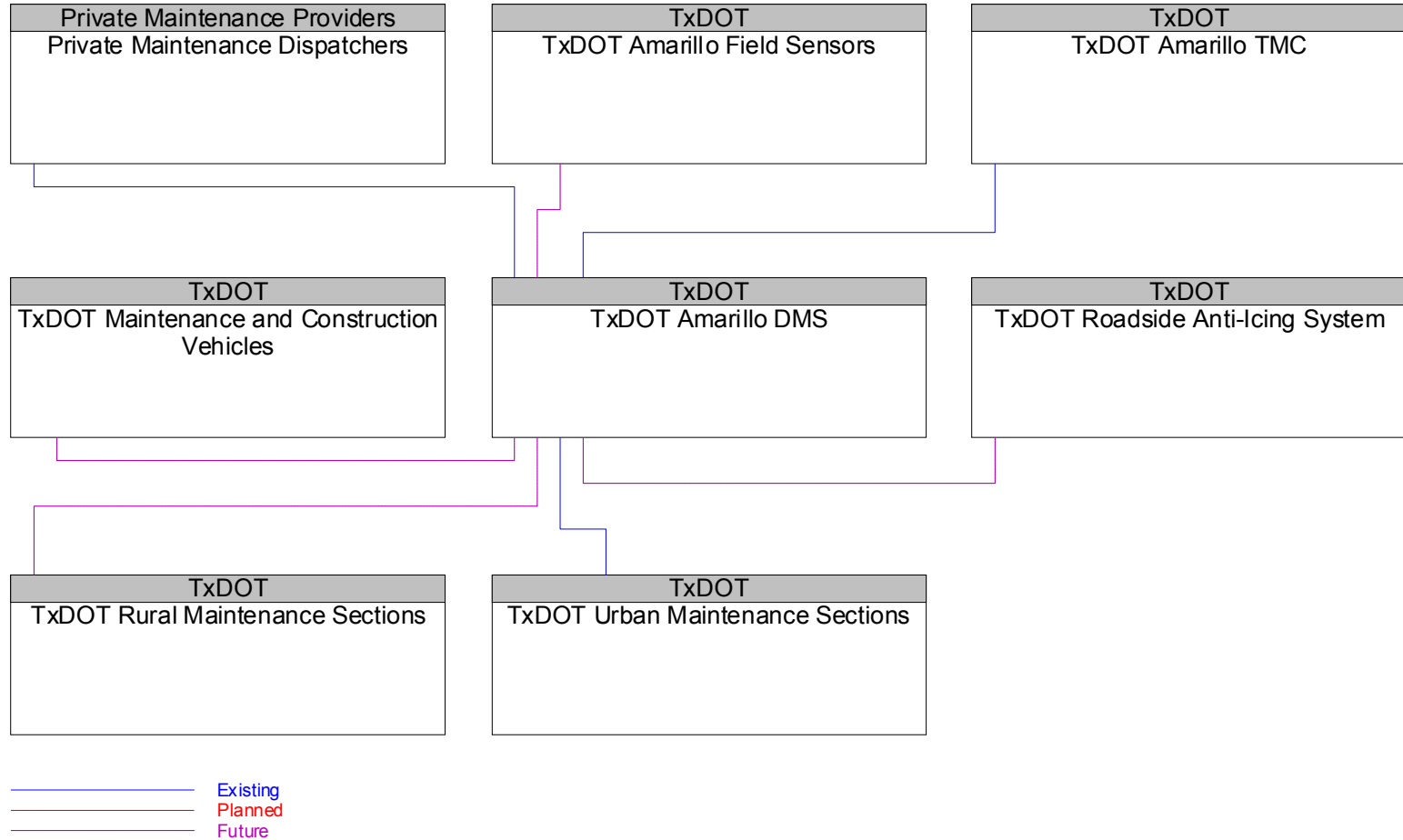


Figure B63 – TxDOT Amarillo Field Sensors Interfaces

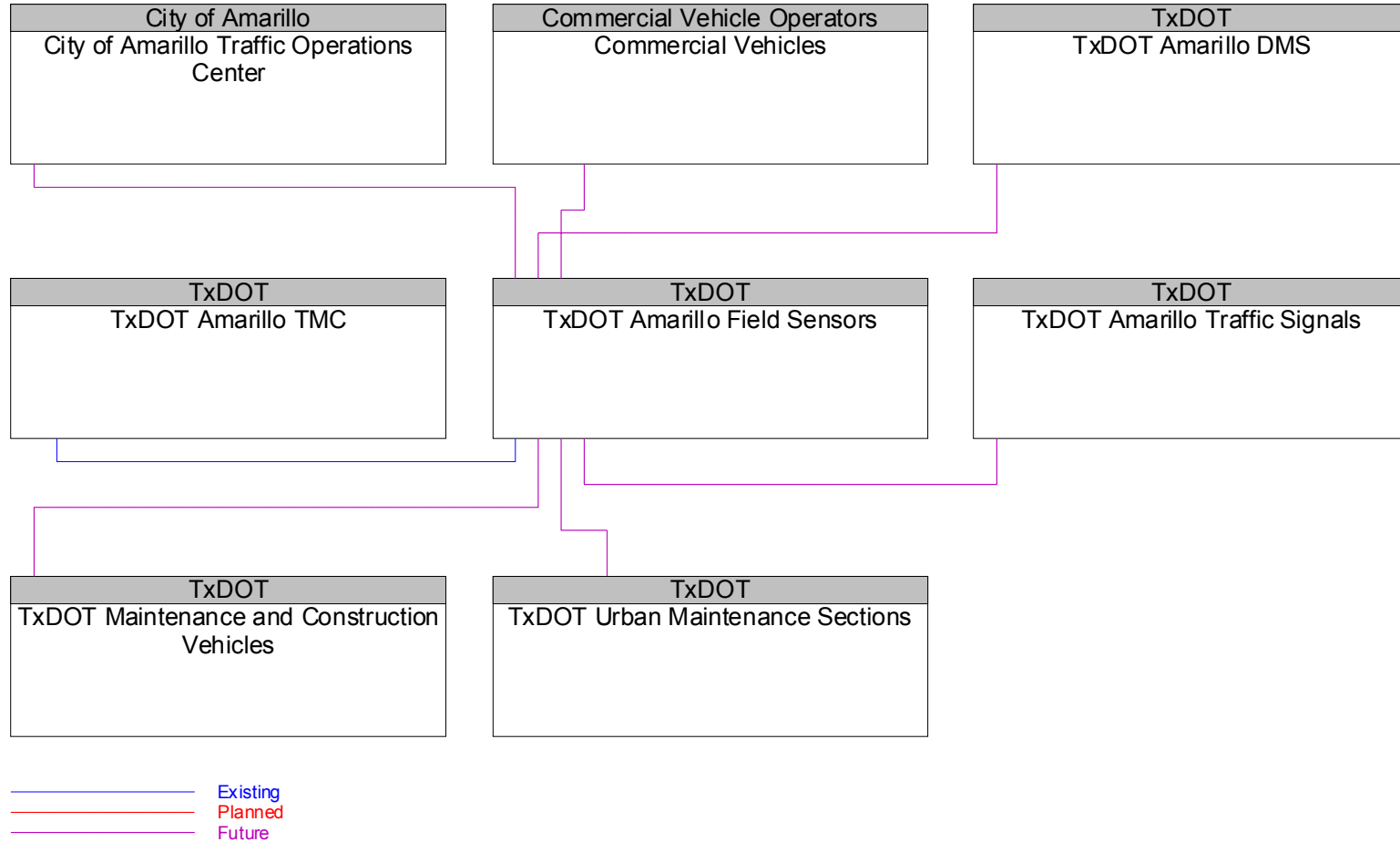


Figure B64 – TxDOT Amarillo HAR Interfaces

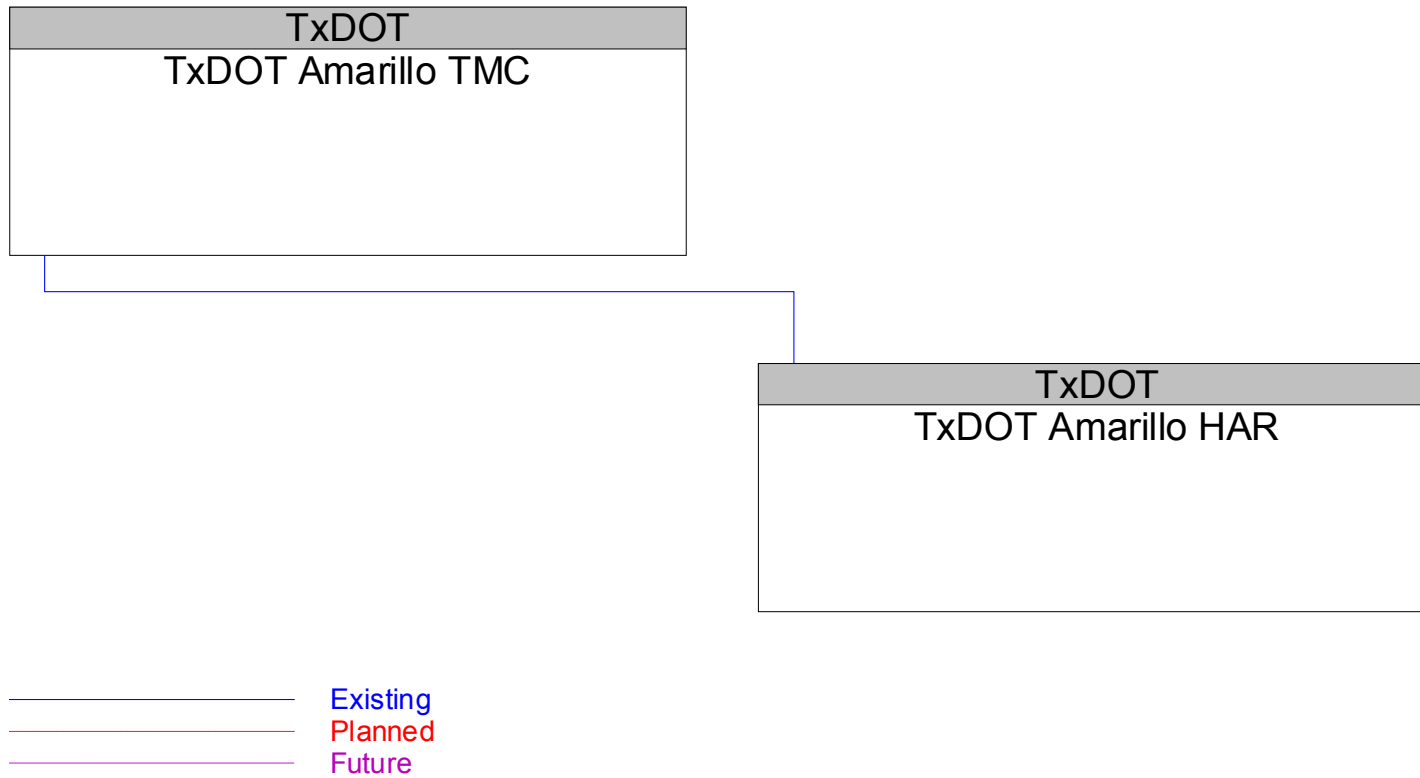


Figure B65 – TxDOT Amrillo TMC Interfaces

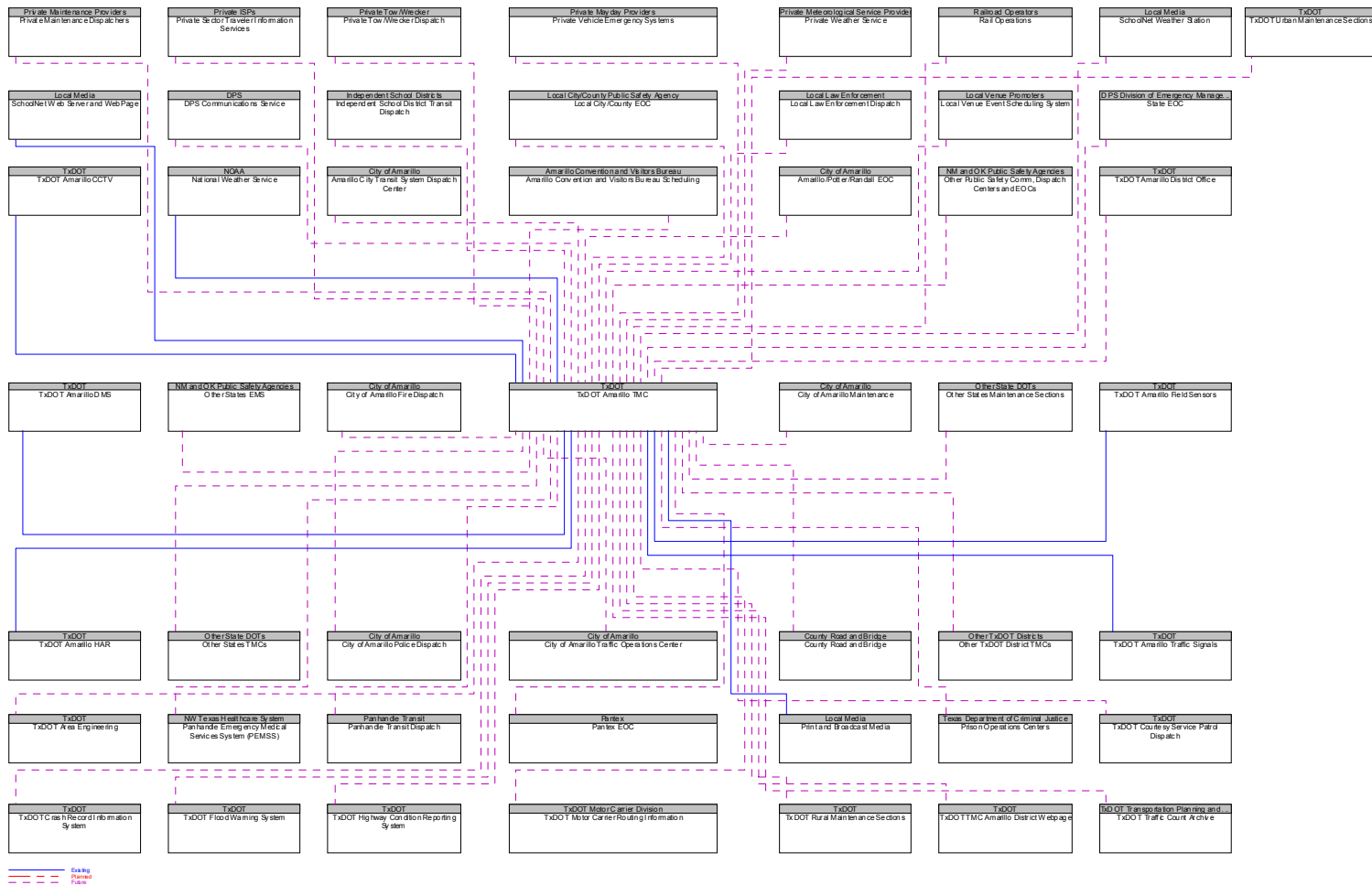


Figure B66 – TxDOT Amarillo Traffic Signals Interfaces

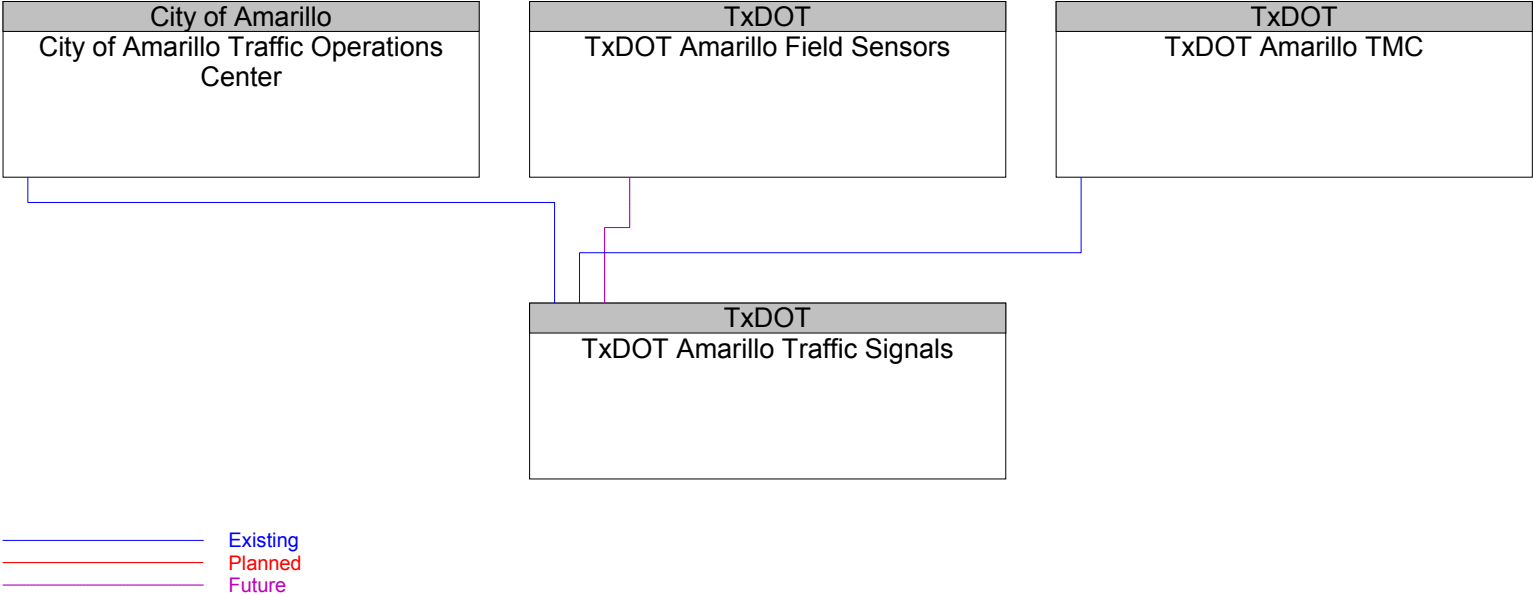


Figure B67 – TxDOT Area Engineering Interfaces

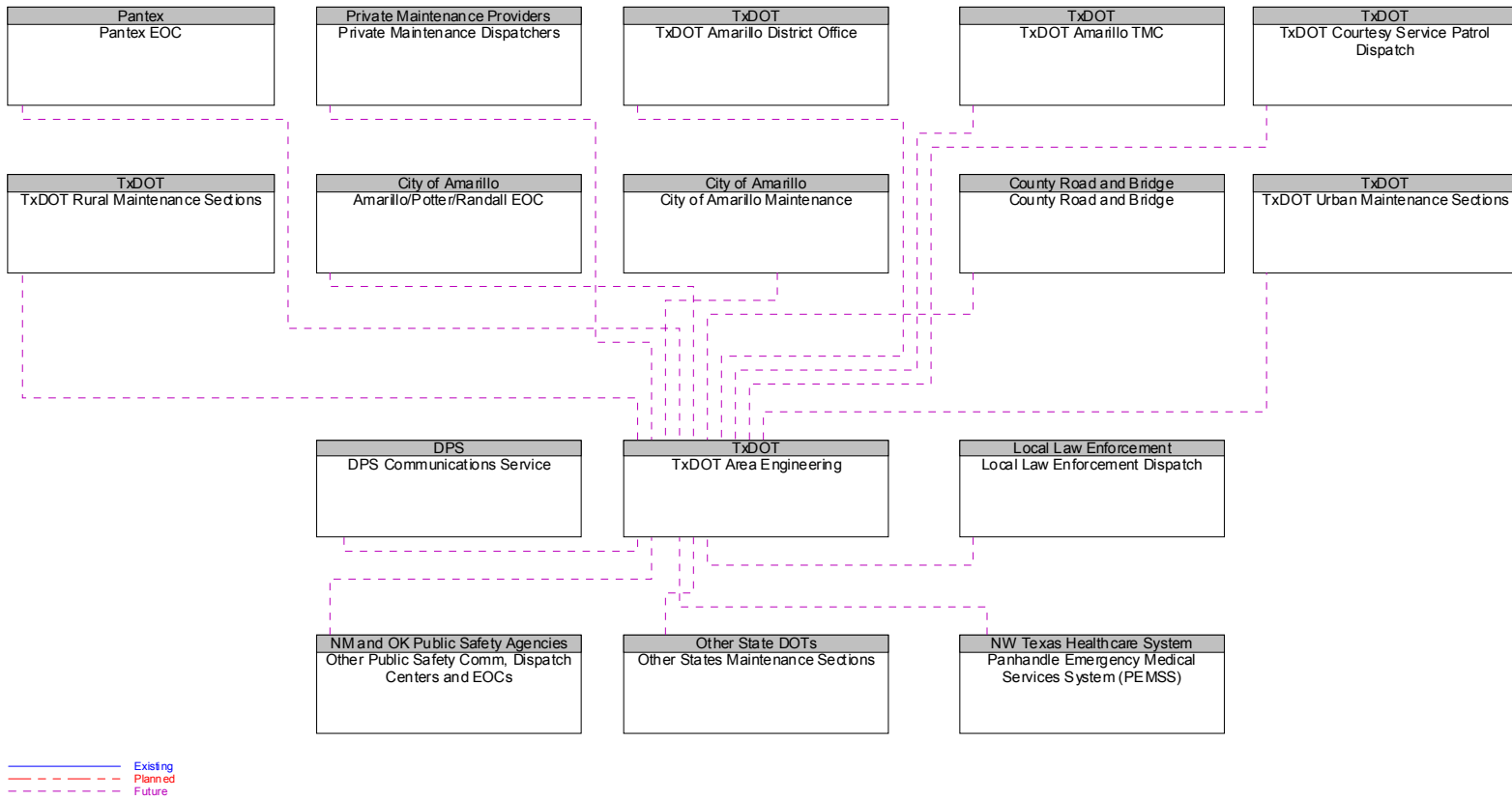


Figure B68 – TxDOT Courtesy Service Patrol Dispatch Interfaces

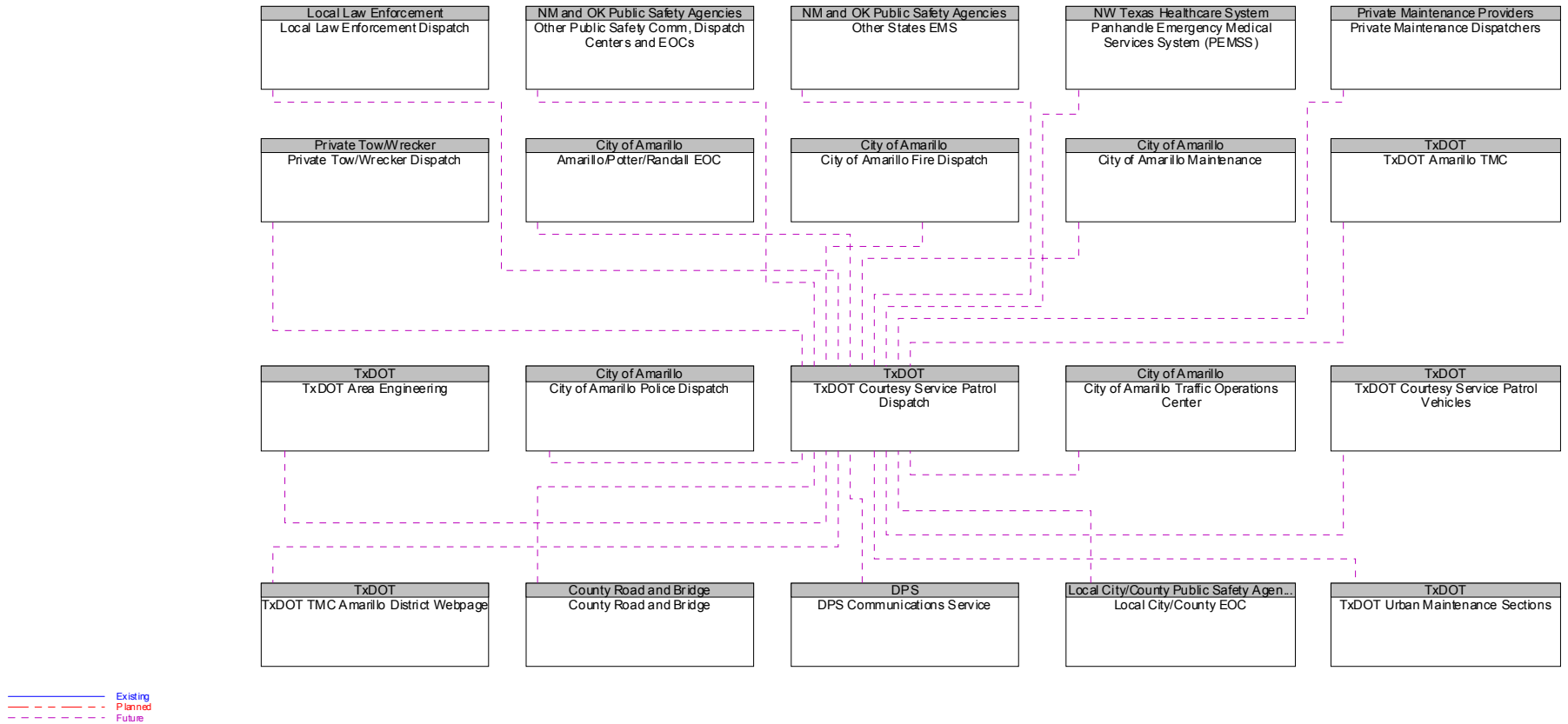


Figure B69 – TxDOT Courtesy Service Patrol Vehicles Interfaces

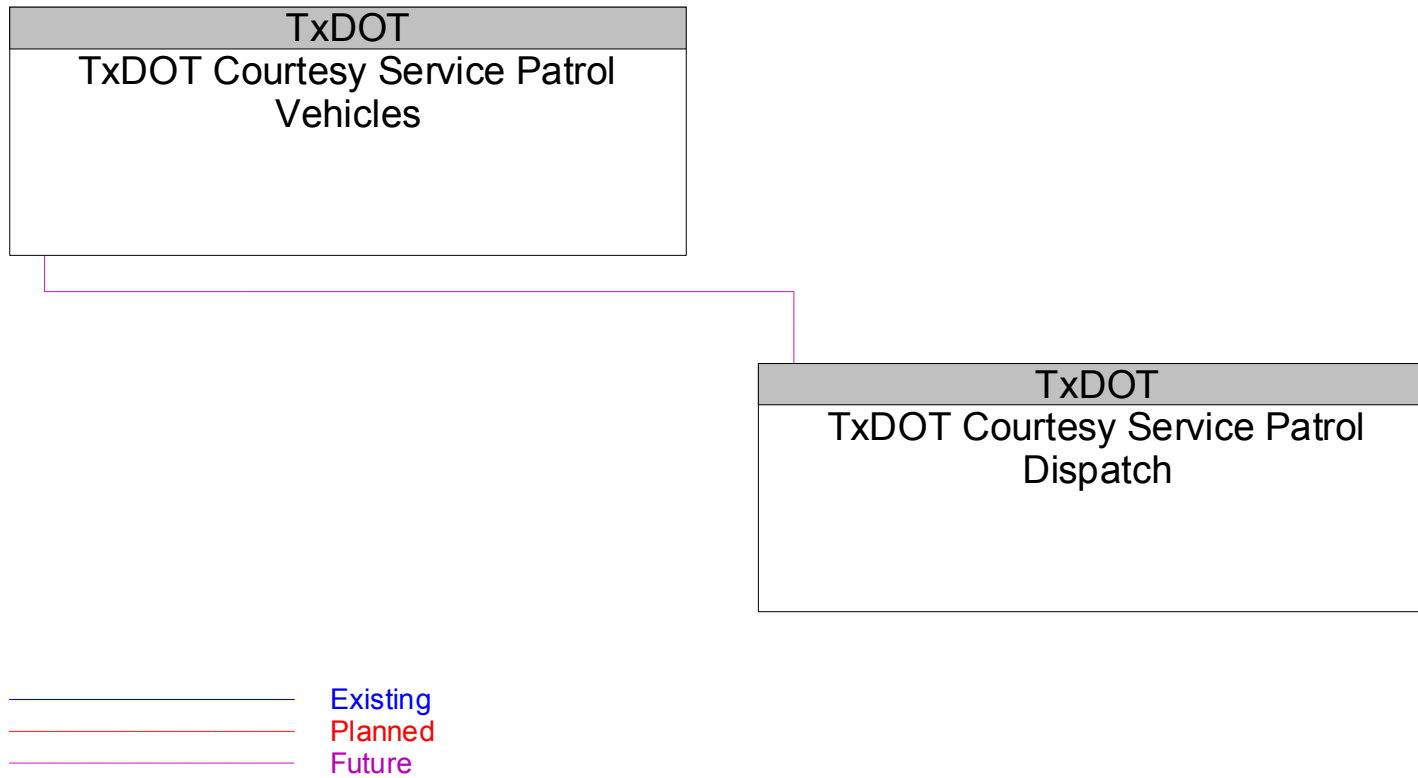
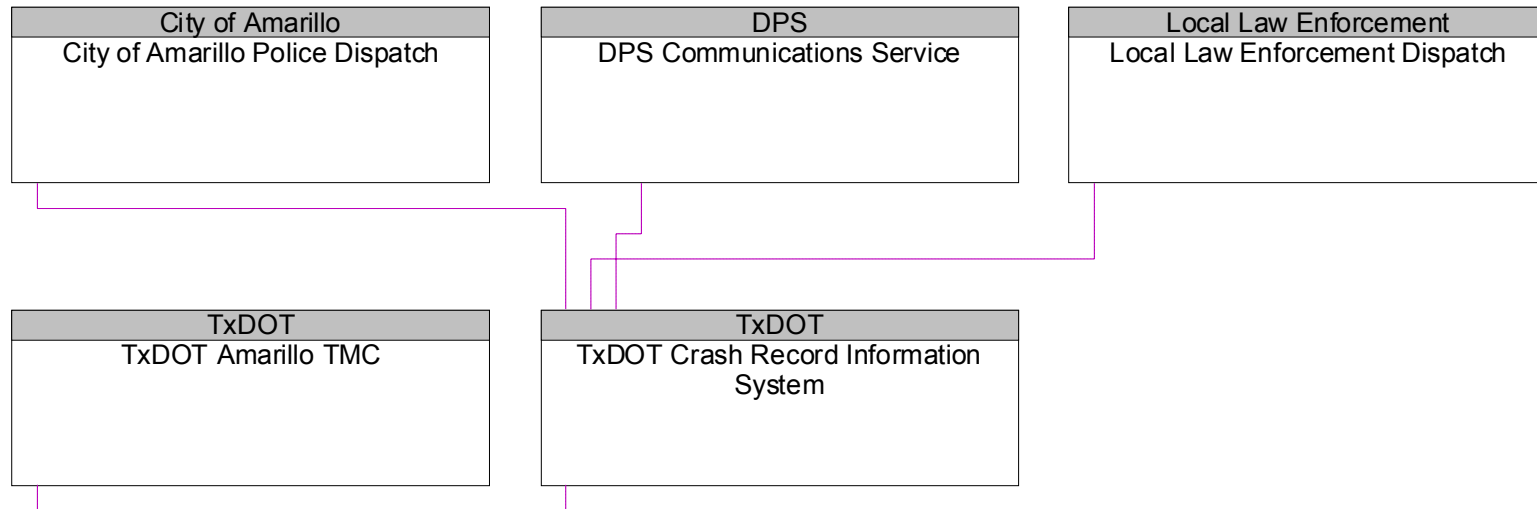


Figure B70 – TxDOT Crash Record Information System Interfaces



— Existing
 — Planned
 — Future

Figure B71 – TxDOT District Shop Interfaces

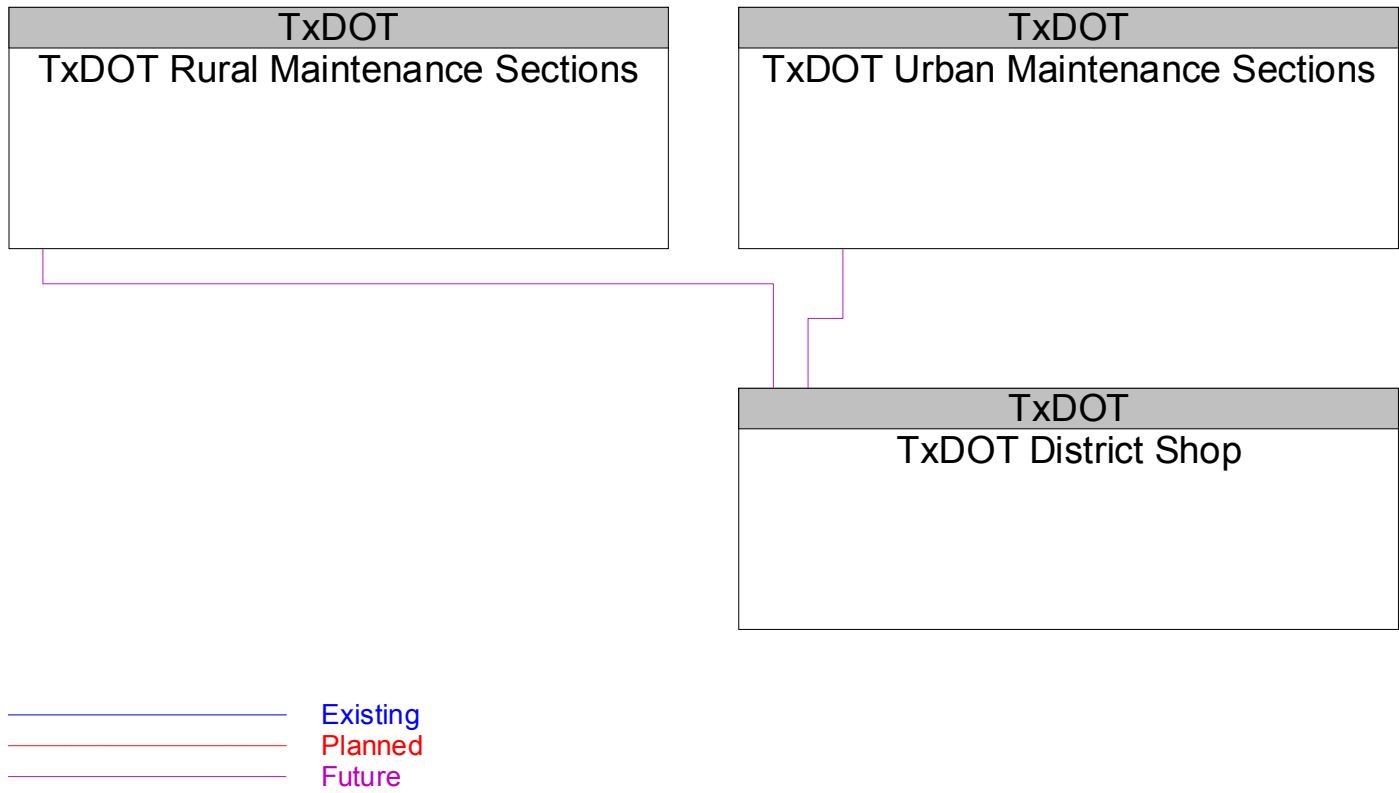


Figure B72 – TxDOT Flood Warning System Interfaces

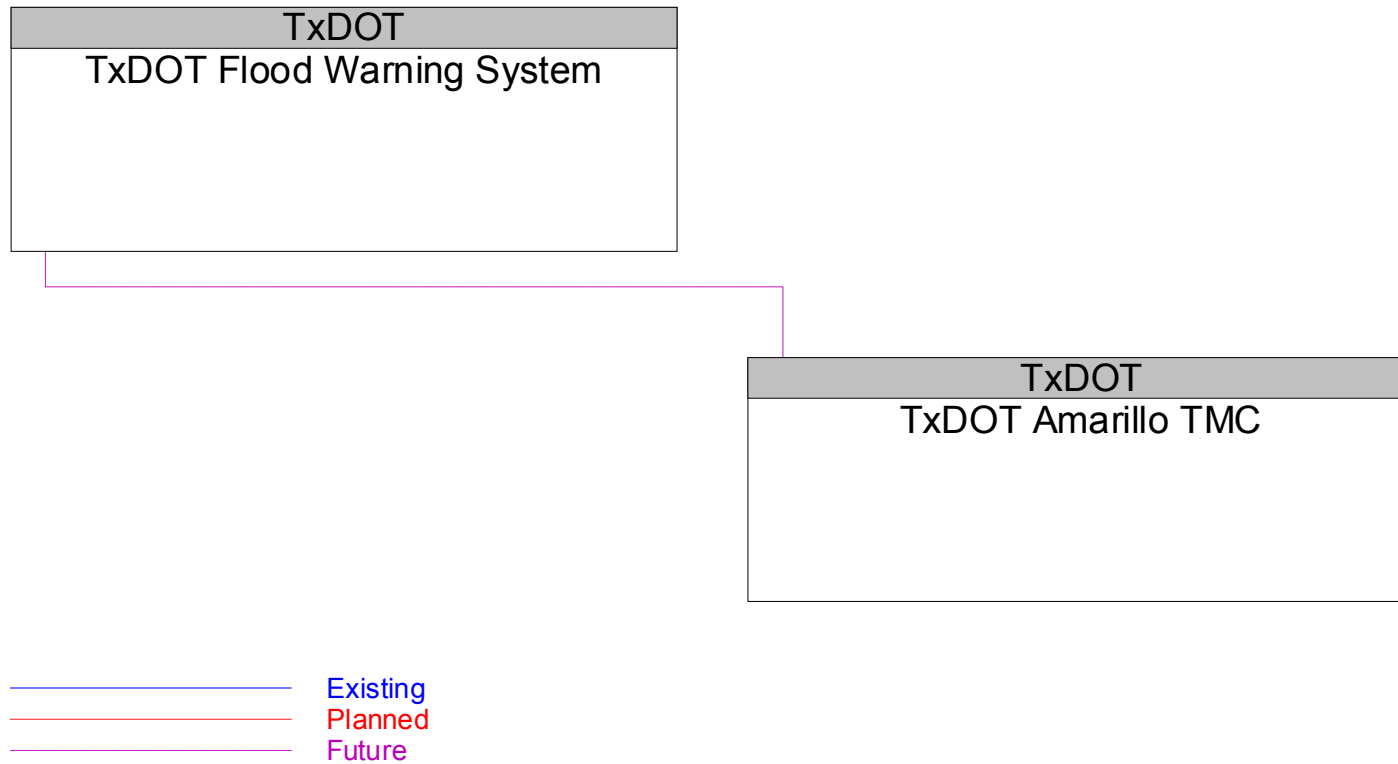


Figure B73 – TxDOT Highway Condition Reporting System Interfaces

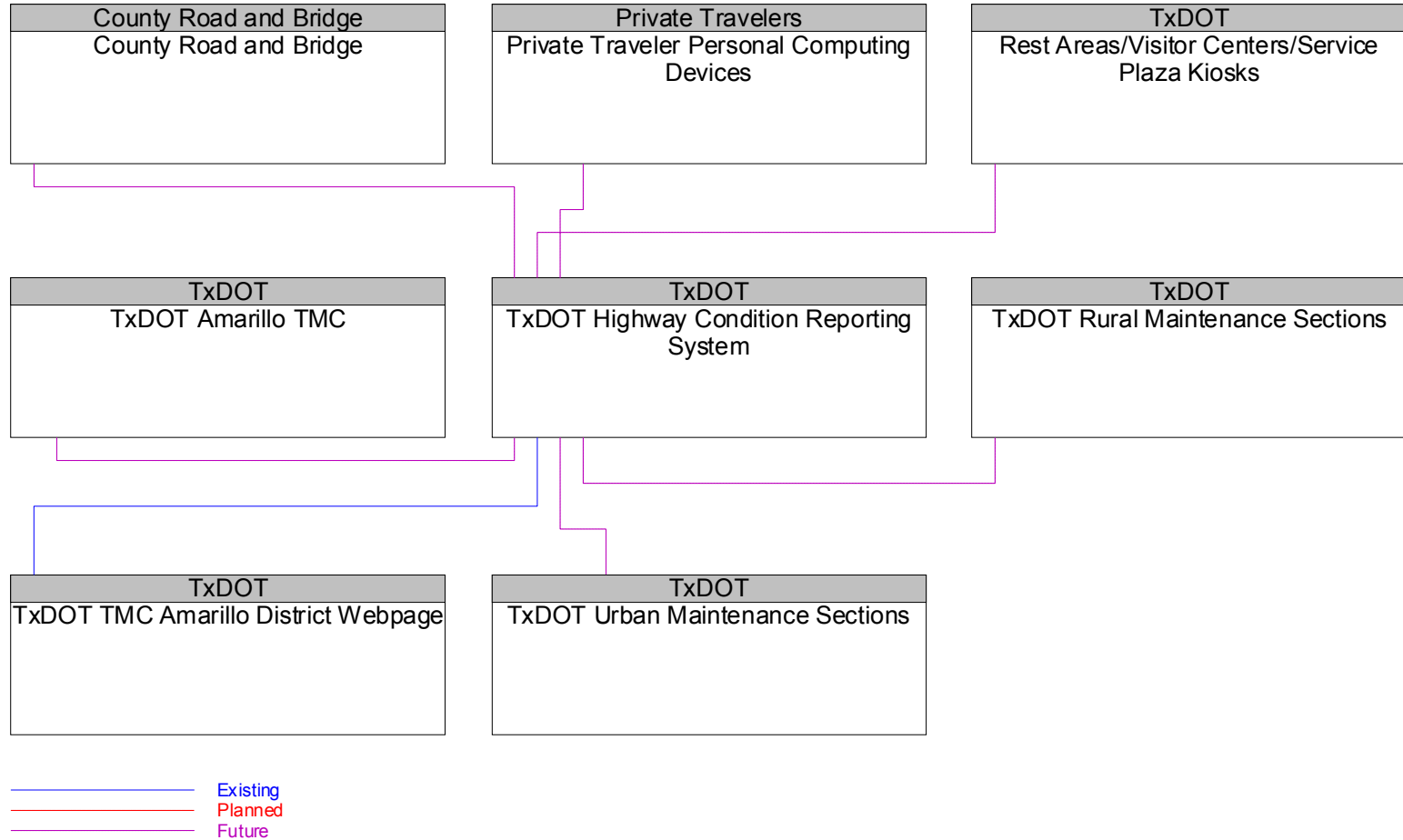


Figure B74 – TxDOT Maintenance and Construction Vehicles Interfaces

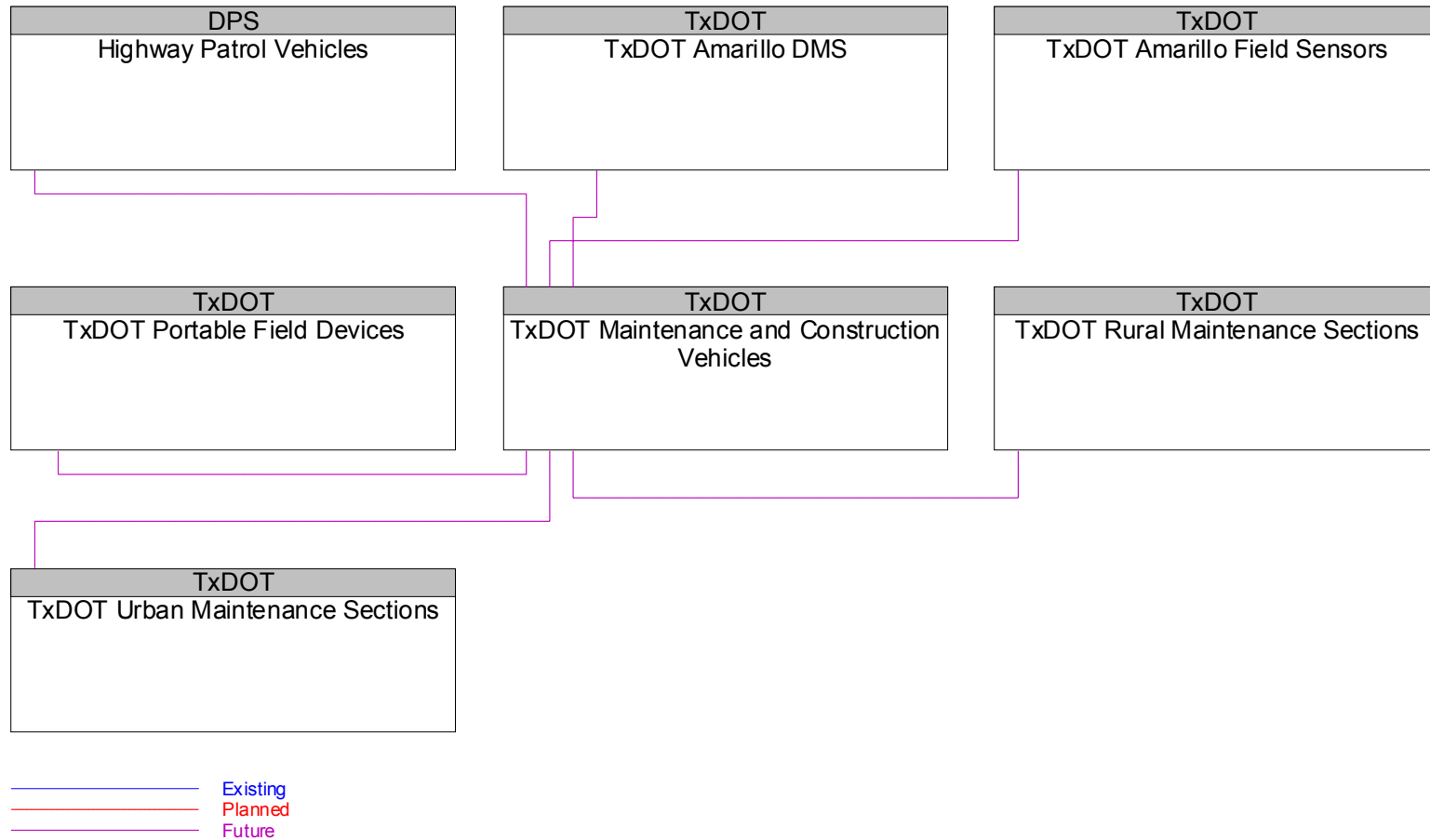


Figure B75 – TxDOT Motor Carrier Routing Information Interfaces

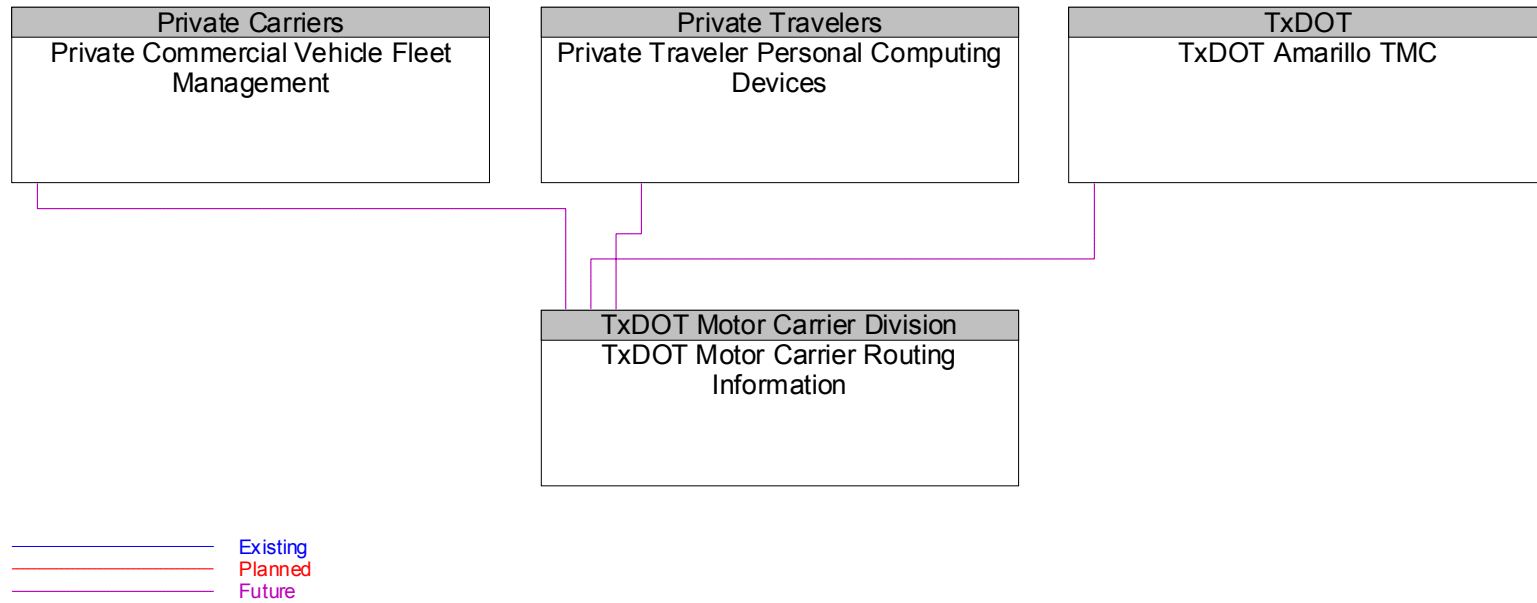


Figure B76 – TxDOT Portable Field Devices Interfaces

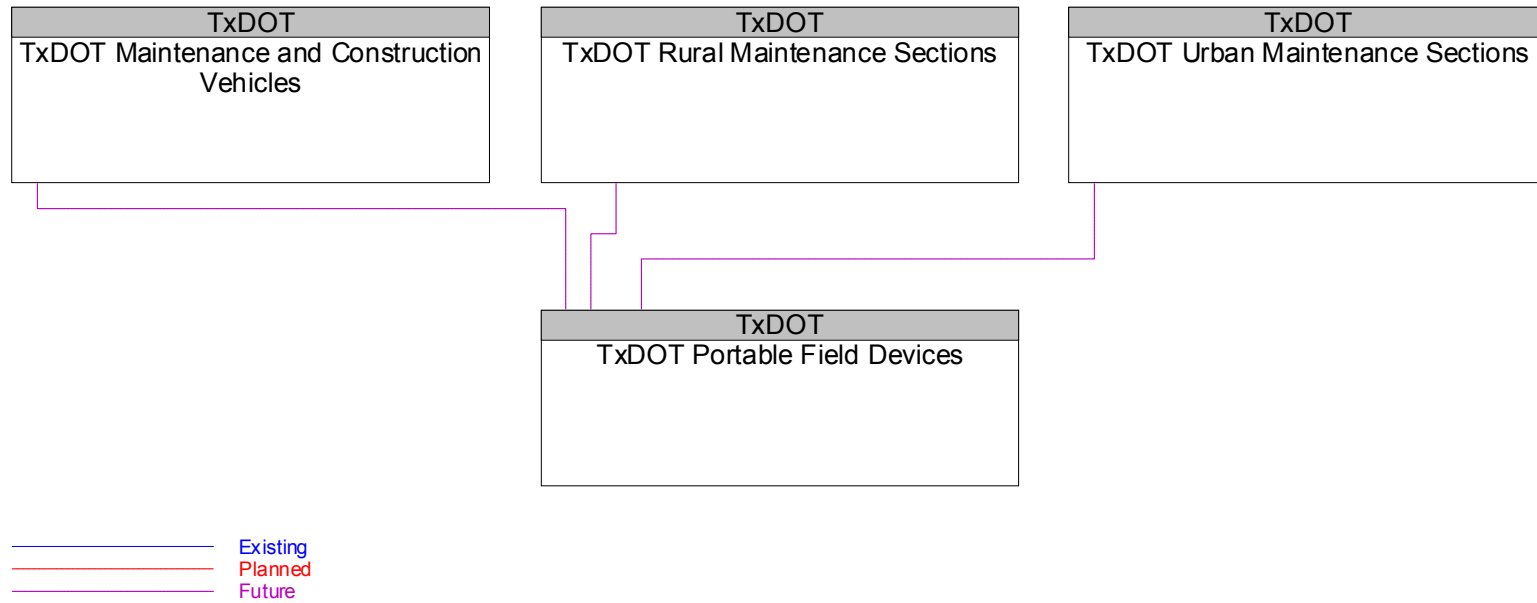


Figure B77 – TxDOT Roadside Anti-Icing System Interfaces

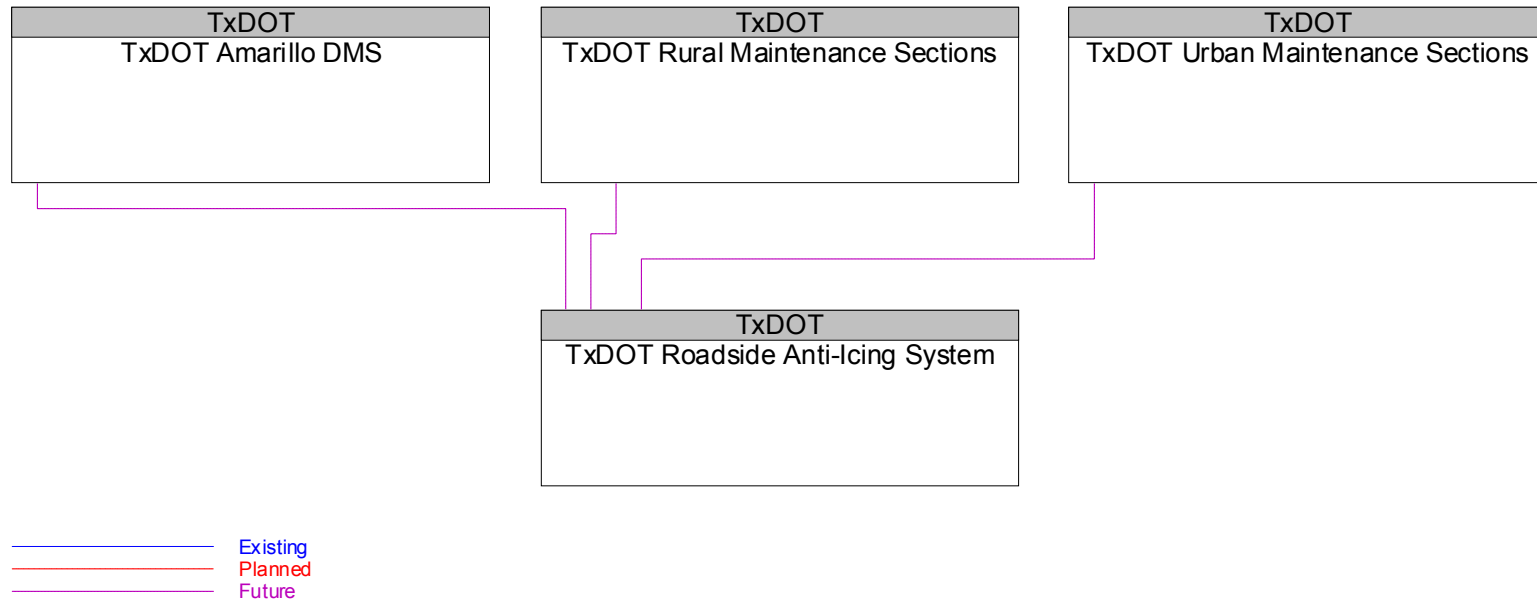


Figure B78 – TxDOT Rural Maintenance Sections Interfaces

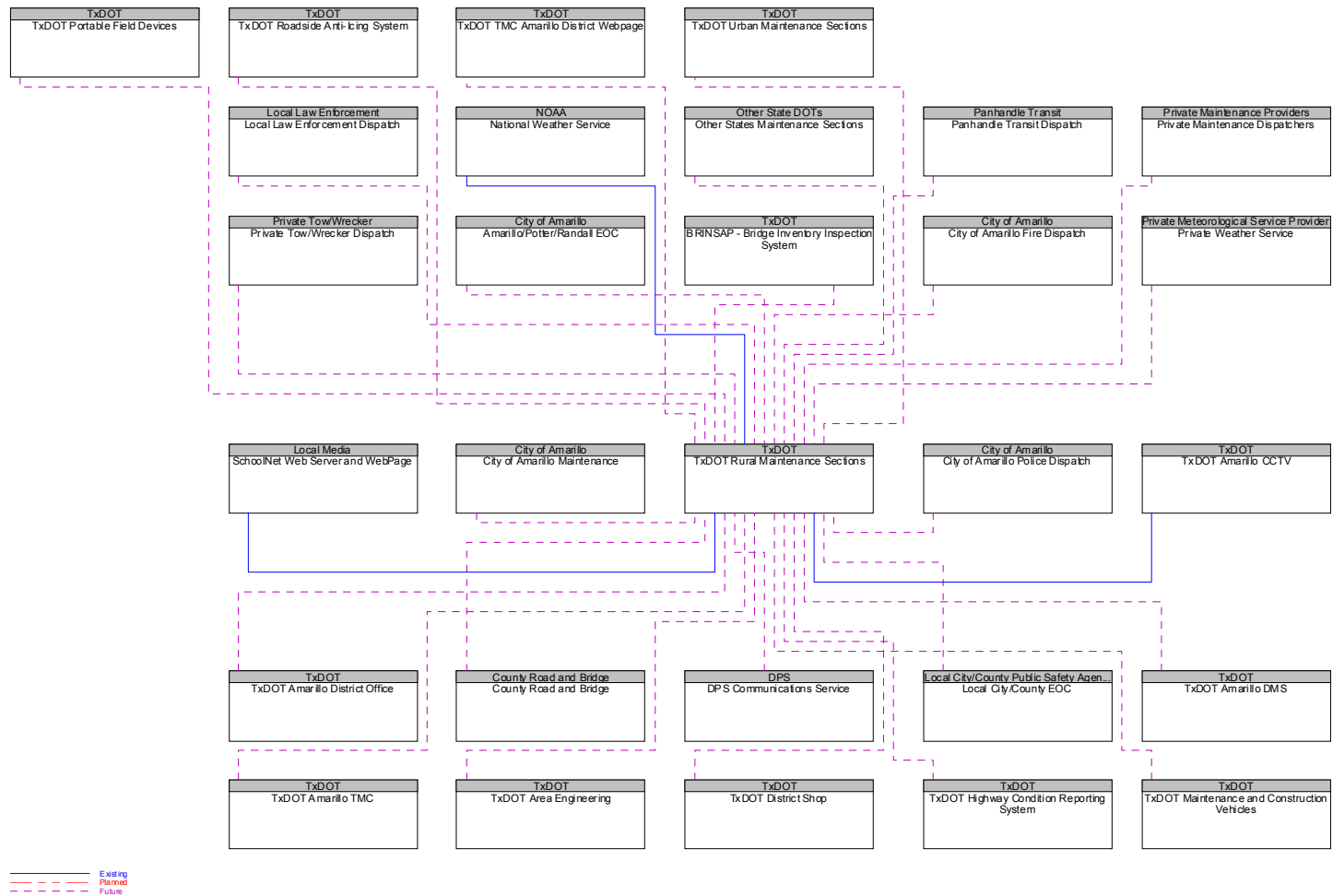


Figure B79 – TxDOT TMC Amarillo District Webpage Interfaces

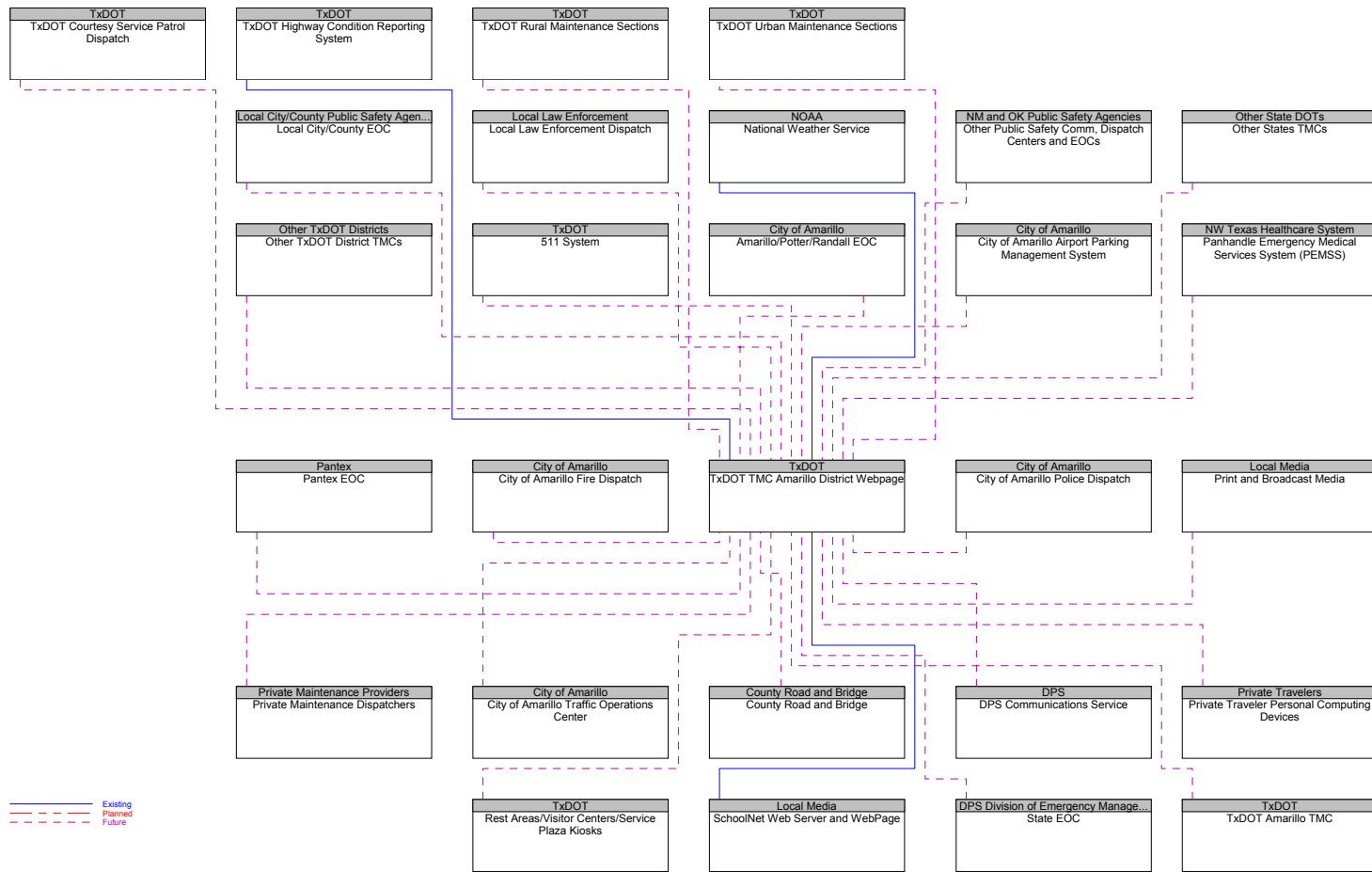


Figure B80 – TxDOT Traffic Count Archive Interfaces

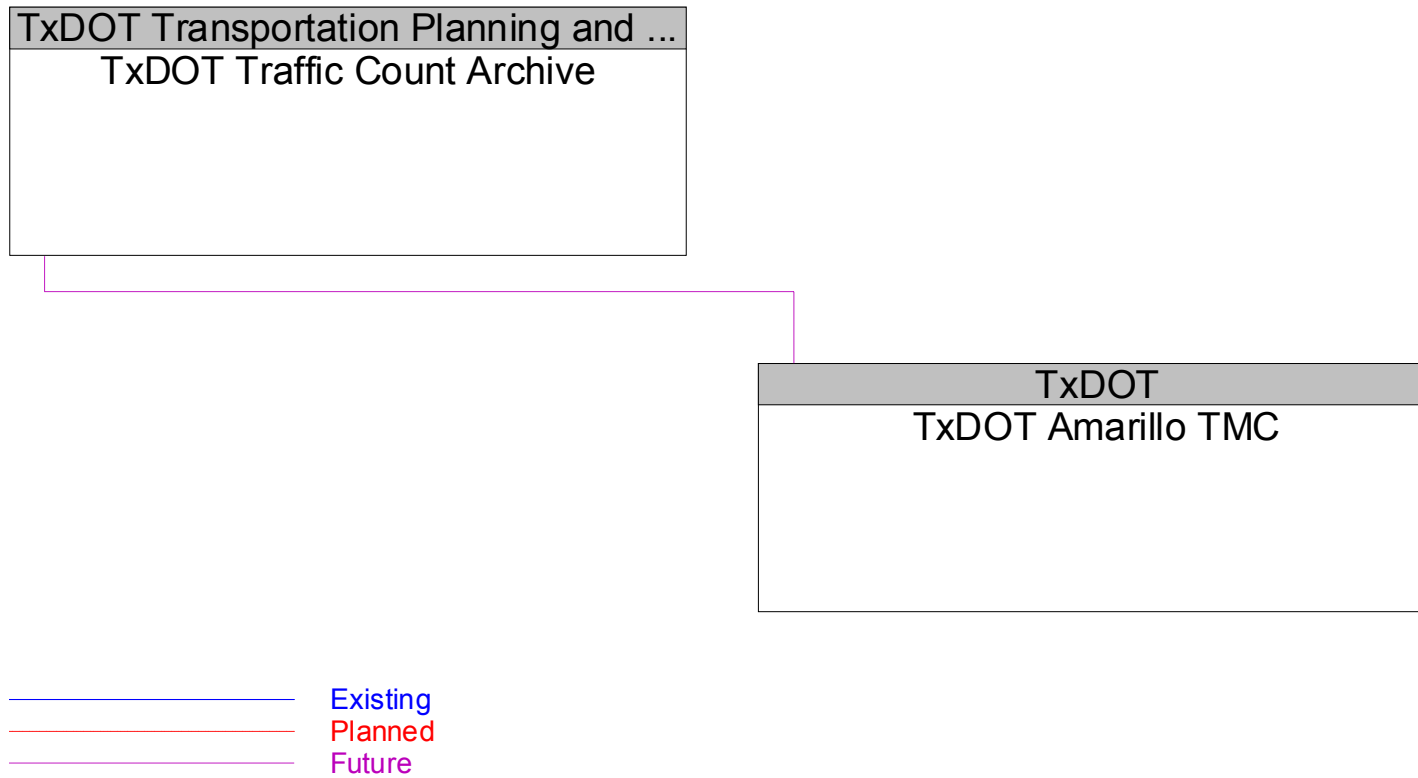


Figure B81 – TxDOT Urban Maintenance Sections Interfaces

