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Figure A1 – ATMS1 – Network Surveillance:
TxDOT Corpus Christi TMC

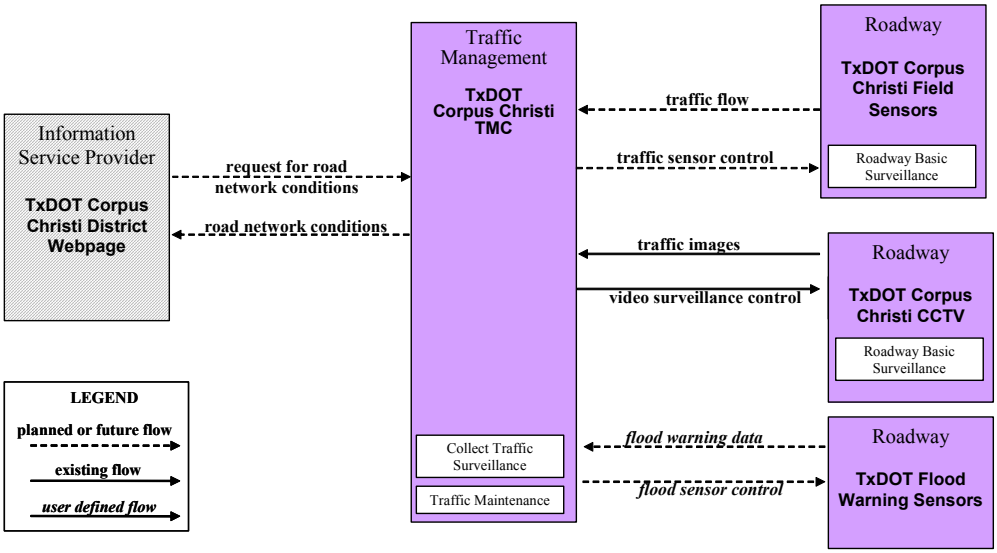


Figure A2 – ATMS1 – Network Surveillance:
City of Corpus Christi Street Services TOC

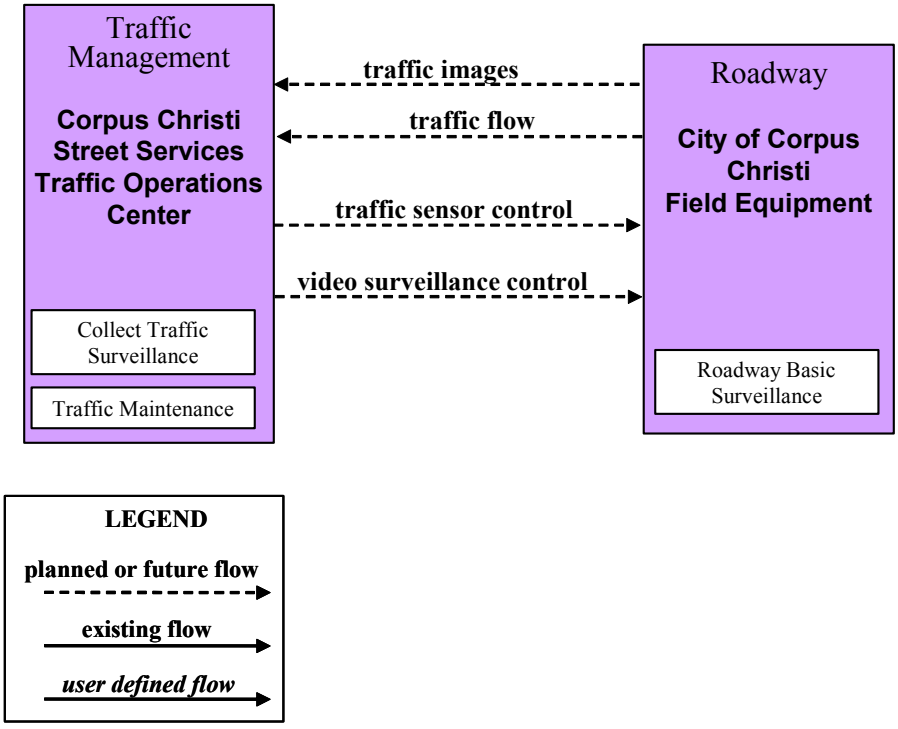


Figure A3 – ATMS1 – Network Surveillance:
TxDOT Ferry System Operations Center

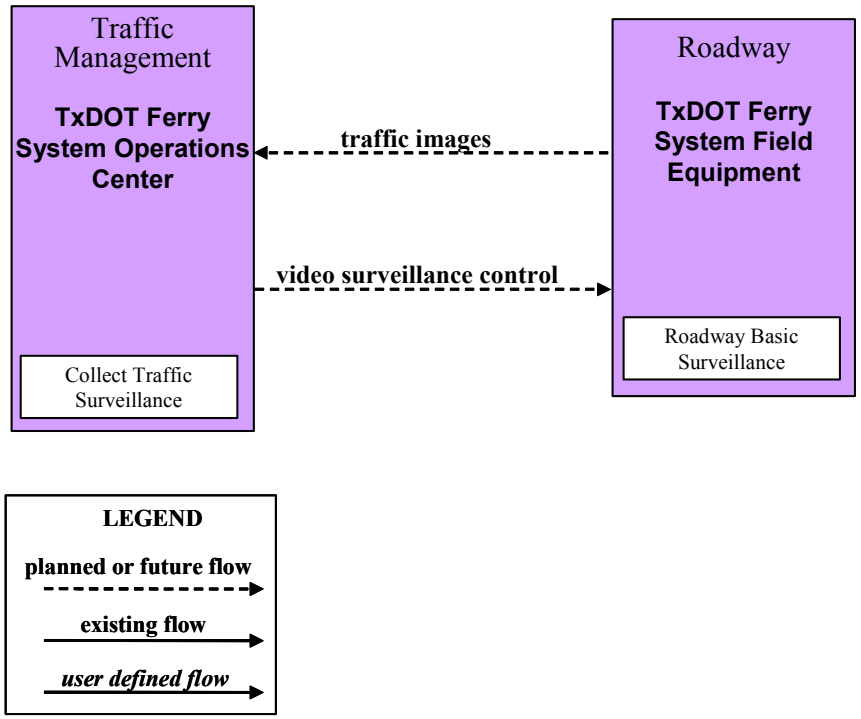


Figure A4 – ATMS3 – Surface Street Control:
City of Corpus Christi Street Services TOC

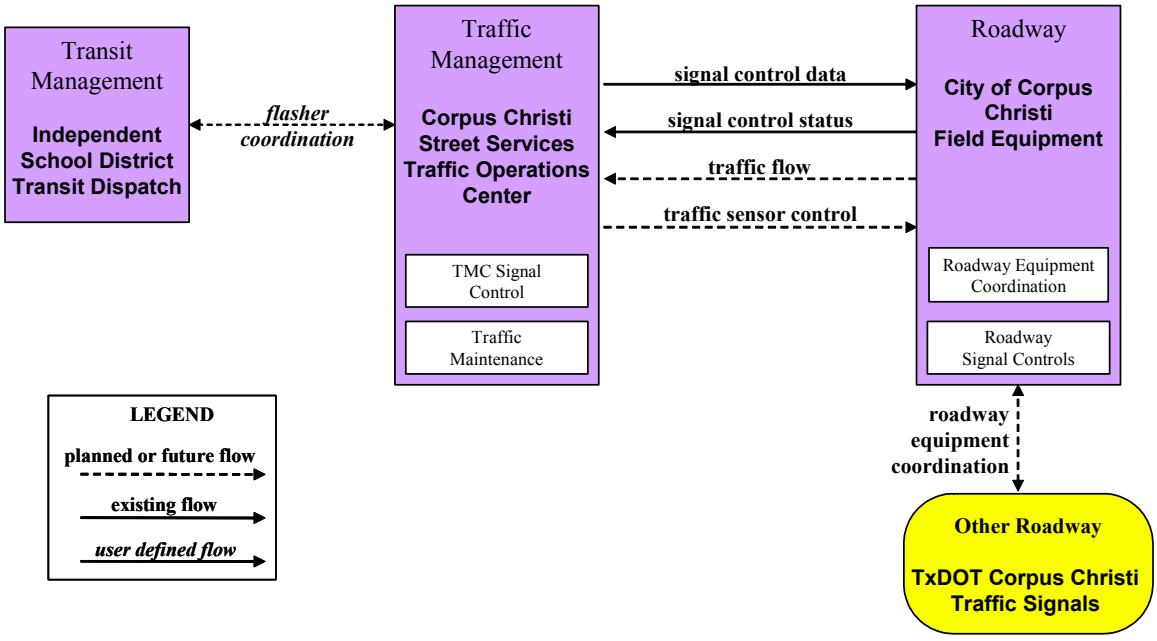


Figure A5 – ATMS3 – Surface Street Control:
TxDOT Corpus Christi TMC

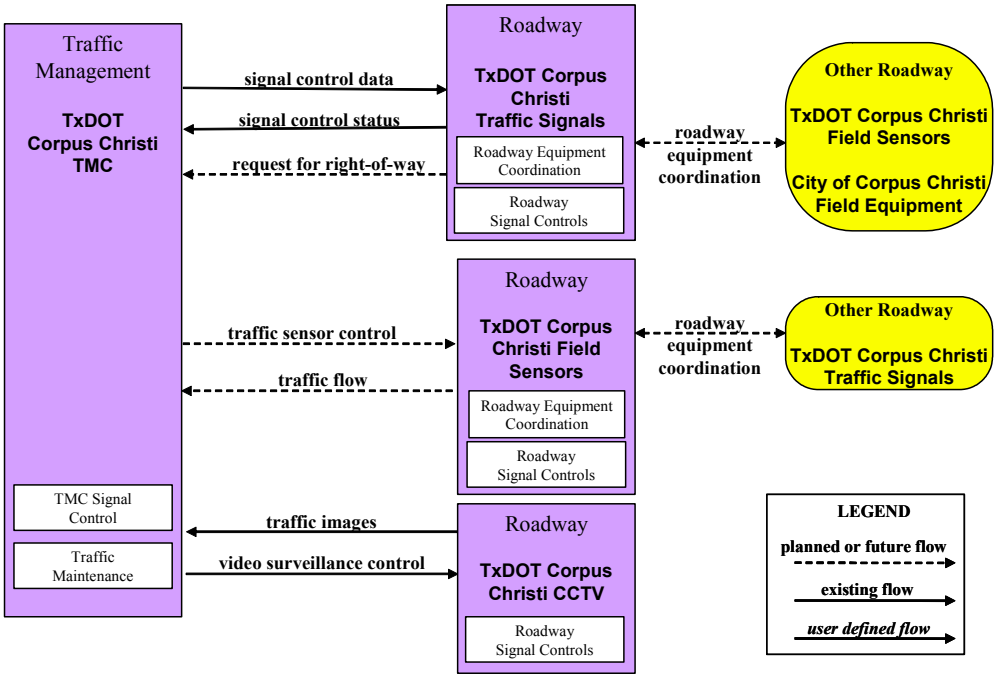


Figure A6 – ATMS4 – Freeway Control:
TxDOT Corpus Christi TMC

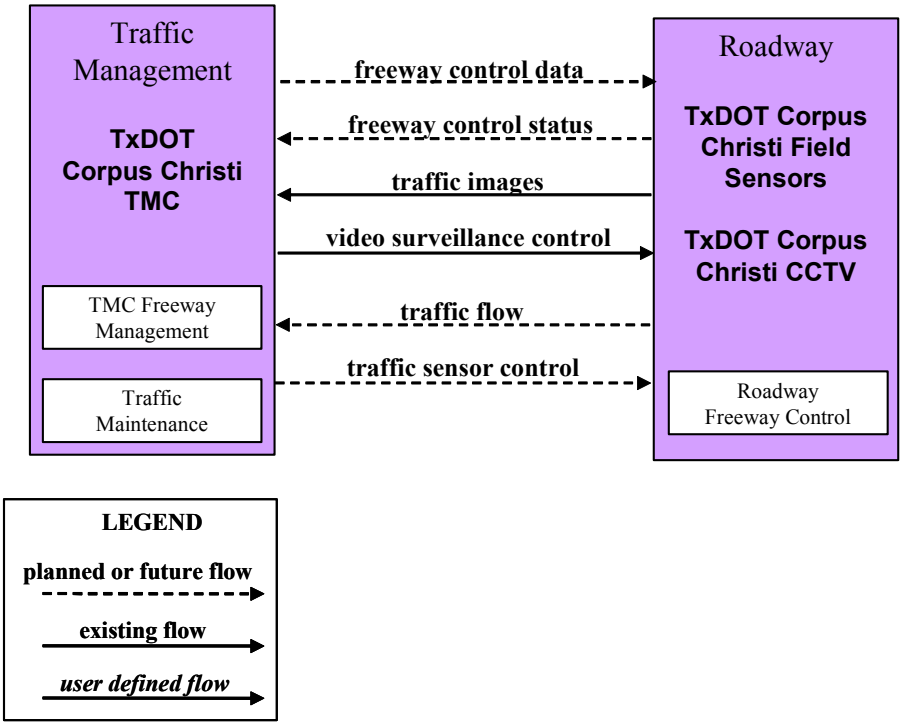


Figure A7 – ATMS5 – HOV Lane Management:
TxDOT Corpus Christi TMC

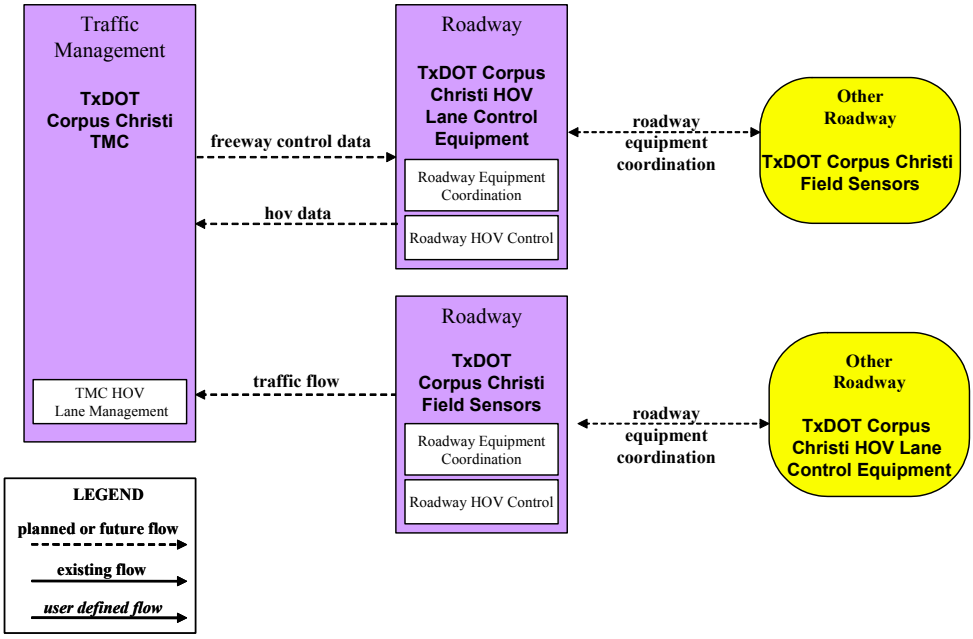


Figure A8 – ATMS6 – Traffic Information Dissemination:
TxDOT Corpus Christi TMC

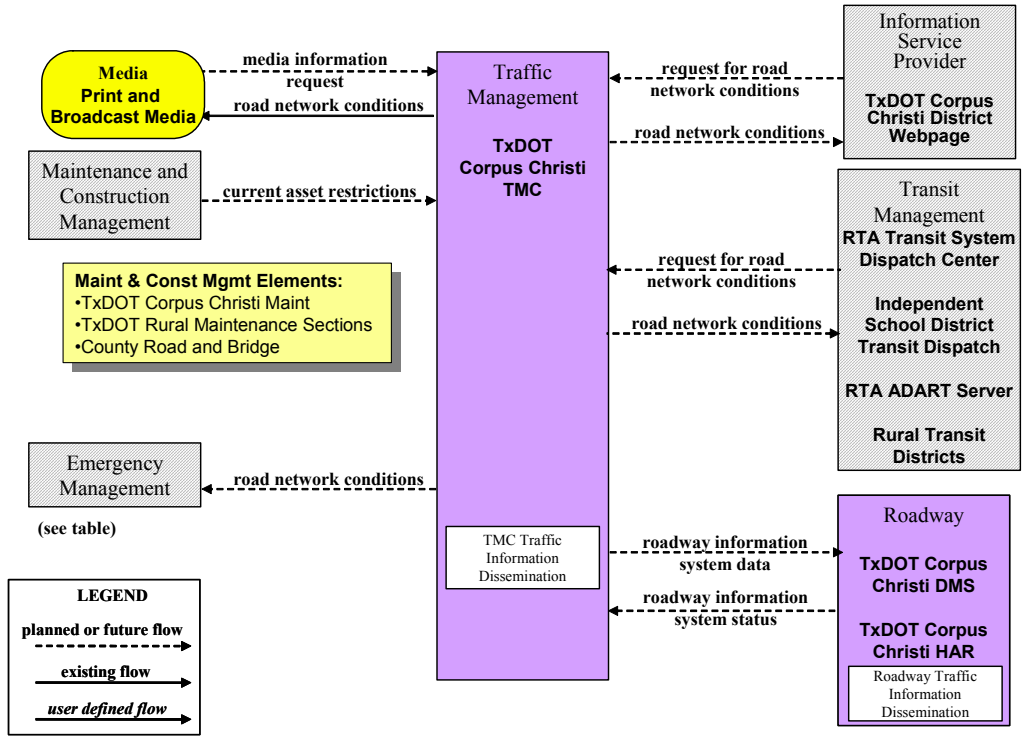


**Figure A9 – ATMS6 – Traffic Information Dissemination:
TxDOT Corpus Christi TMC (TM to EM)**

ARCHITECTURE FLOW →	road network conditions
Emergency Management Center	
City/County EOC	√
City/County Public Safety Dispatch	√
Coast Guard Marine Safety Office	
Corpus Christi Emergency Operations Center	√
Corpus Christi Police Department MetroComm Dispatch	√
DPS Communications Service	√
Naval Air Station Security Office	√
Naval Station Ingleside Operations Center	√
POCCA Harbor Masters Office	√
Private Ambulance Dispatch Center	
Private Tow/Wrecker Dispatch	
Private Vehicle Emergency Systems	
Refinery Terminal Fire Company Dispatch	√
State EOC	√
TxDOT Corpus Christi Emergency Control Center	√

LEGEND

planned or future flow

existing flow

user defined flow

**Figure A10 – ATMS6 – Traffic Information Dissemination:
TxDOT Ferry System Operations Center**

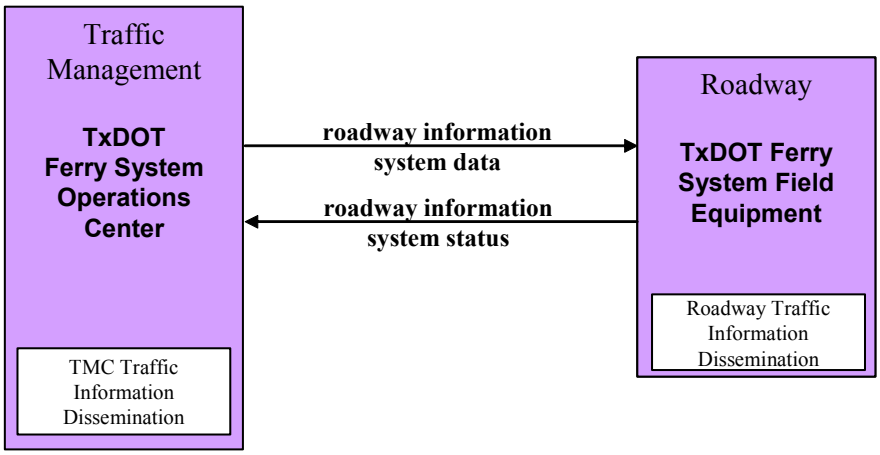


Figure A11 – ATMS7 – Regional Traffic Coordination/Control

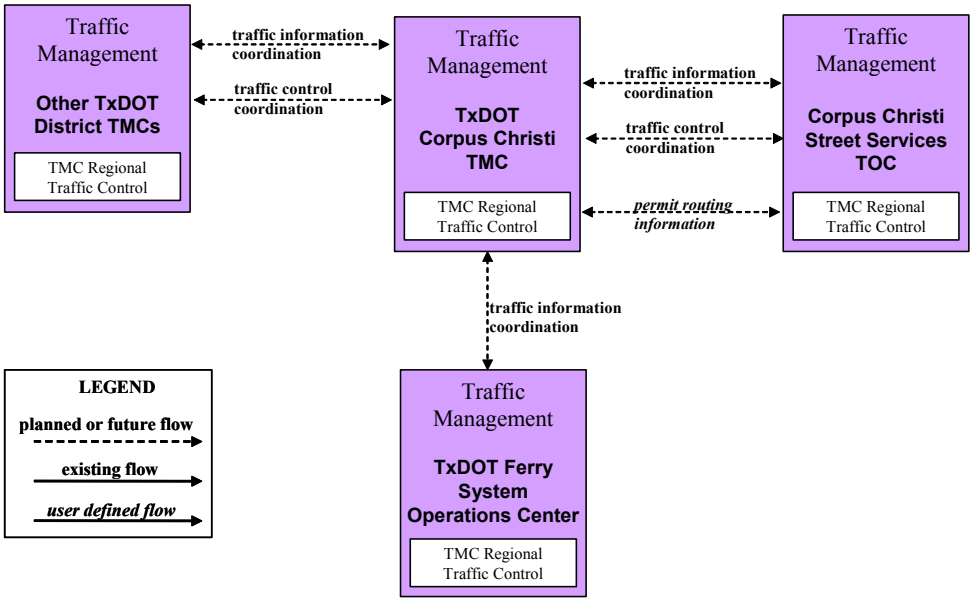
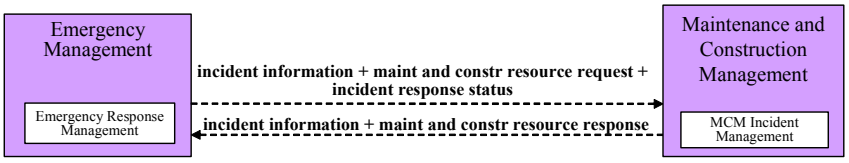


Figure A12 – ATMS8 – Incident Management System: EM to MCM



Emergency Management Center	MCM
City/County EOC	2,5
City/County Public Safety Dispatch	2,5
Coast Guard Marine Safety Office	
Corpus Christi Emergency Operations Center	1
Corpus Christi Police Department MetroComm Dispatch	1,4
DPS Communications Service	2,3,4,5
Naval Air Station Security Office	
Naval Station Ingleside Operations Center	
POCCA Harbor Masters Office	
Private Ambulance Dispatch Center	
Private Tow/Wrecker Dispatch	
Private Vehicle Emergency Systems	
Refinery Terminal Fire Company Dispatch	
State EOC	
TxDOT Corpus Christi Emergency Control Center	

Maintenance and Construction Management (MCM)
1. Corpus Christi Street Services Maint & Ops
2. County Road and Bridge
3. Other TxDOT District Maintenance Sections
4. TxDOT Corpus Christi Maintenance Section
5. TxDOT Rural Maint Sections

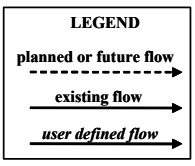
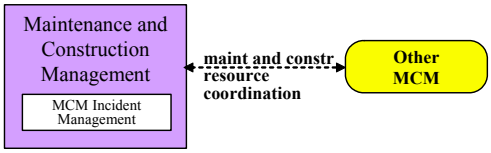


Figure A13 – ATMS8 – Incident Management System: (MCMS to Other MCM)



Maintenance and Construction Management Centers	Corpus Christi Street Services Maint and Ops	County Road and Bridge	Other TxDOT District Maint Sections	TxDOT Rural Maint Sections	TxDOT Corpus Christi Maint Sections
Corpus Christi Street Services Maint and Ops	-				√
County Road and Bridge		-	√	√	
Other TxDOT District Maint Sections		√	-	√	
TxDOT Rural Maintenance Sections		√	√	-	√
TxDOT Corpus Christi Maint Section	√			√	-

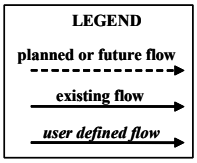
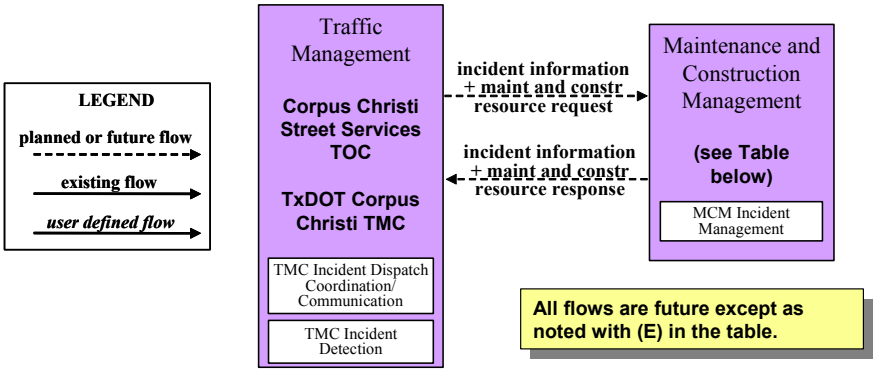


Figure A14 – ATMS8 – Incident Management System: TM to MCM



	Corpus Christi Street Services TOC		TxDOT Corpus Christi TMC	
ARCHITECTURE FLOW →	incident information	maint and constr resource request + resource response	incident information	maint and constr resource request + resource response
Maintenance and Construction Mgmt Center				
Corpus Christi Street Services Maint and Ops	√ (E)	√(E)		
County Road and Bridge			√	
Other TxDOT District Maint Sections				
TxDOT Rural Maintenance Sections			√	√
TxDOT Corpus Christi Maint Section			√	√

Figure A15 – ATMS8 – Incident Management System: EM to TM (1 of 3)

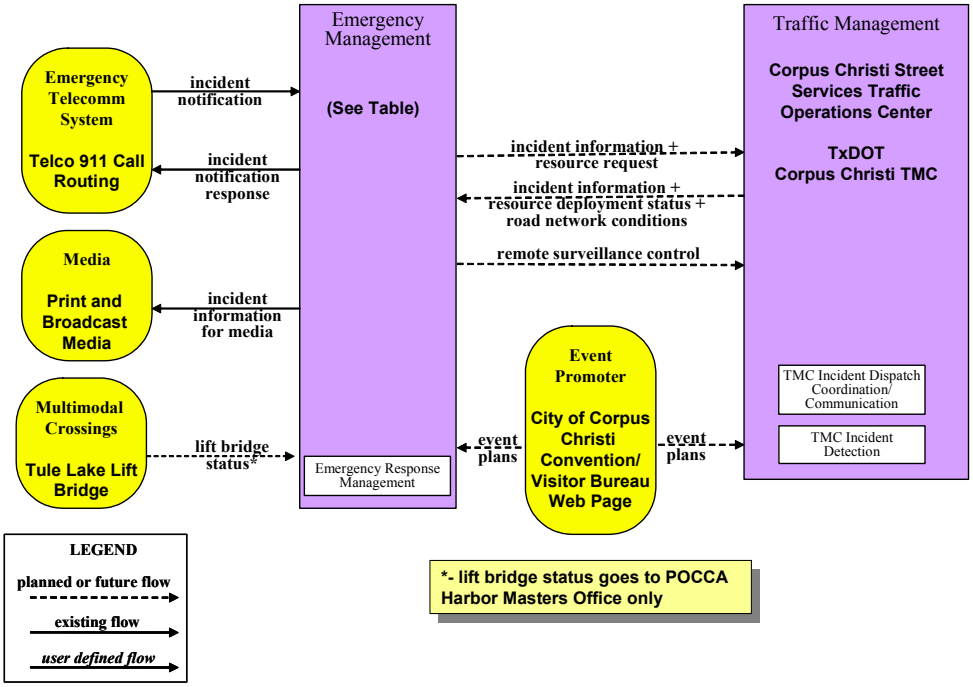


Figure A16 – ATMS8 – Incident Management System: EM to TM (2 of 3)

	Corpus Christi Street Serv TOC			TxDOT Corpus Christi TMC		
ARCHITECTURE FLOW →	incd. info + road netw. conditions	resource request + resource depl. status	remote surveillance control (F)	incident info + road netw. conditions	resource request + resource depl. status	remote surveillance control (F)
Emergency Management Center						
City/County EOC				√		
City/County Public Safety Dispatch				√		
Coast Guard Marine Safety Office/ Coast Guard Operations Office (*-incident info only)	√*			√*		
Corpus Christi Emergency Operations Center	√	√	√	√	√	√
Corpus Christi Police Dept MetroComm Dispatch	√	√	√	√	√	√
DPS Communications Service	√			√	√	
Naval Air Station Security Office	√			√		
Naval Station Ingleside Operations Center				√		
POCCA Harbor Masters Office	√			√		
Private Ambulance Dispatch Center						
Private Tow/Wrecker Dispatch						
Private Vehicle Emergency Systems				√		
Refinery Terminal Fire Company Dispatch	√			√		
State EOC				√	√	√
TxDOT Corpus Christi Emergency Control Center				√		

Figure A17 – ATMS8 – Incident Management System: EM to TM (3 of 3)

TERMINATOR →	City of Corpus Christi Convention/ Visitor Bureau Web Page	Telco 911 Call Routing	Print and Broadcast Media
ARCHITECTURE FLOW →	event plans	incident notification/ response	incident information for media
Emergency Management Center			
City/County EOC			
City/County Public Safety Dispatch	√	√	
Coast Guard Marine Safety Office			
Corpus Christi Emergency Operations Center			√
Corpus Christi Police Department MetroComm Dispatch	√	√	
DPS Communications Service	√	√	
Naval Air Station Security Office			
Naval Station Ingleside Operations Center			
POCCA Harbor Master Office	√		
Private Ambulance Dispatch Center			
Private Tow/Wrecker Dispatch			
Private Vehicle Emergency Systems			
Refinery Terminal Fire Company Dispatch			
State EOC			
TxDOT Corpus Christi Emergency Control Center			
Traffic Management Center			
Corpus Christi Street Services TOC	√		
TxDOT Corpus Christi TMC	√		

Figure A18 – ATMS8 – Incident Management System: City of Corpus Christi/TxDOT TMC Roadside Element Interface

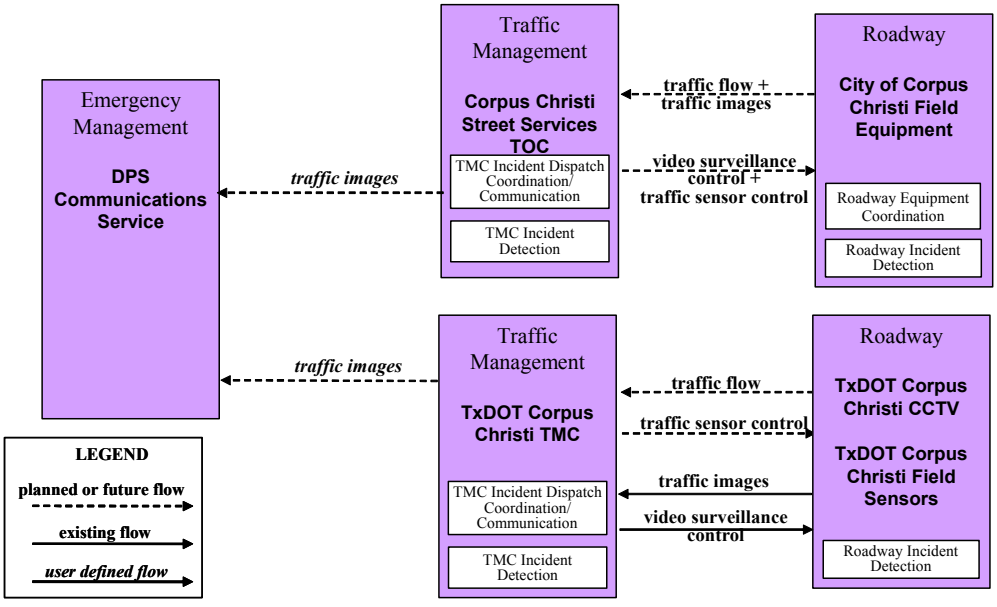


Figure A19 – ATMS8 – Incident Management System:
TxDOT Corpus Christi TMC (TM to ISP)

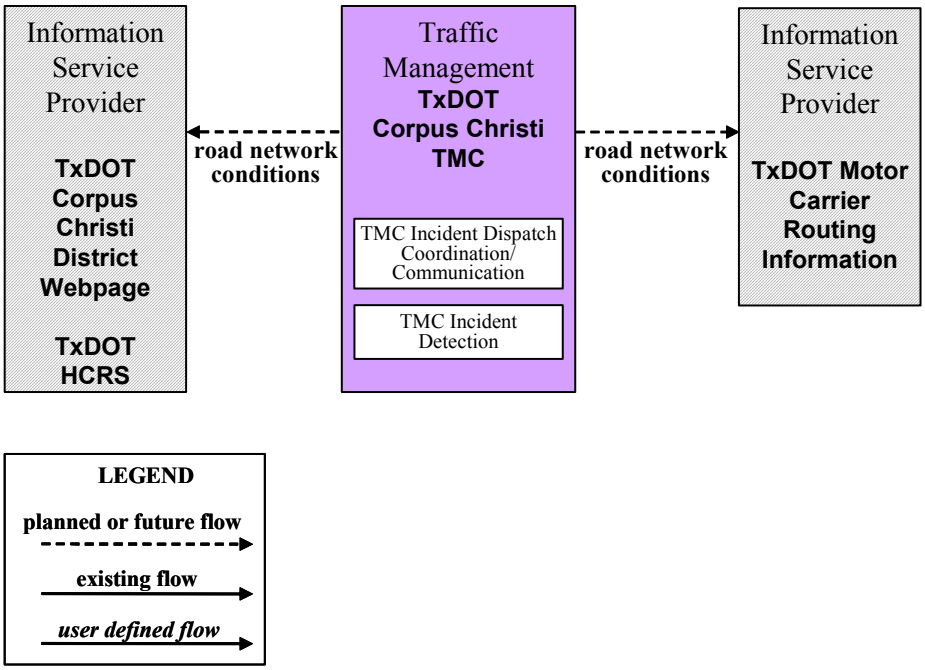


Figure A20 – ATMS8 – Incident Management System:
TxDOT Corpus Christi TMC, Corpus Christi Street Services TOC (TM to ISP)

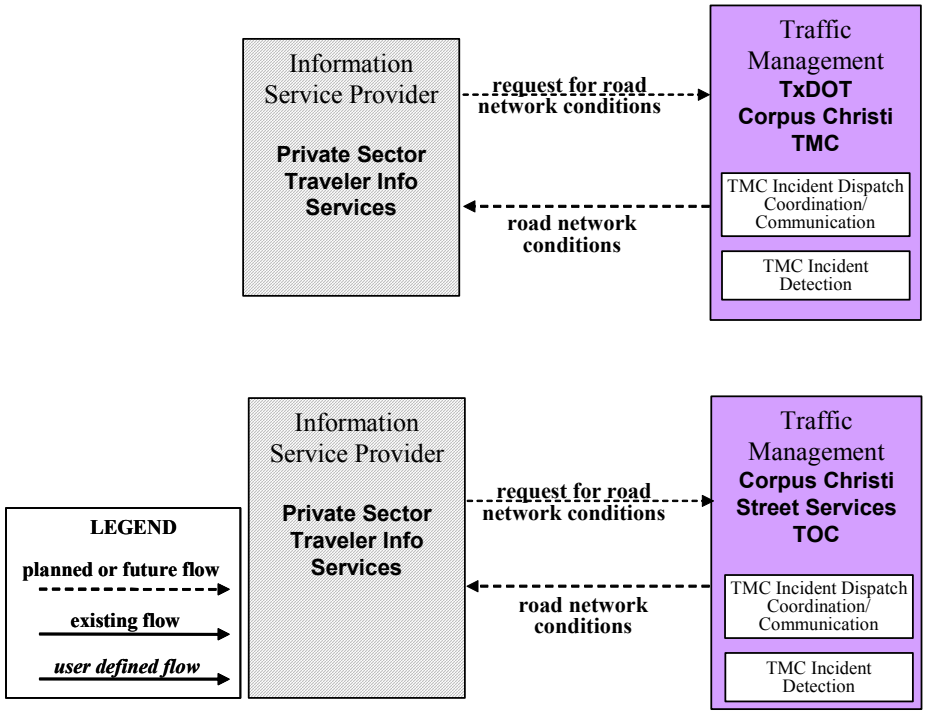


Figure A21 – ATMS8 – Incident Management System:
Corpus Christi Police Department MetroComm Dispatch (EM to EV)

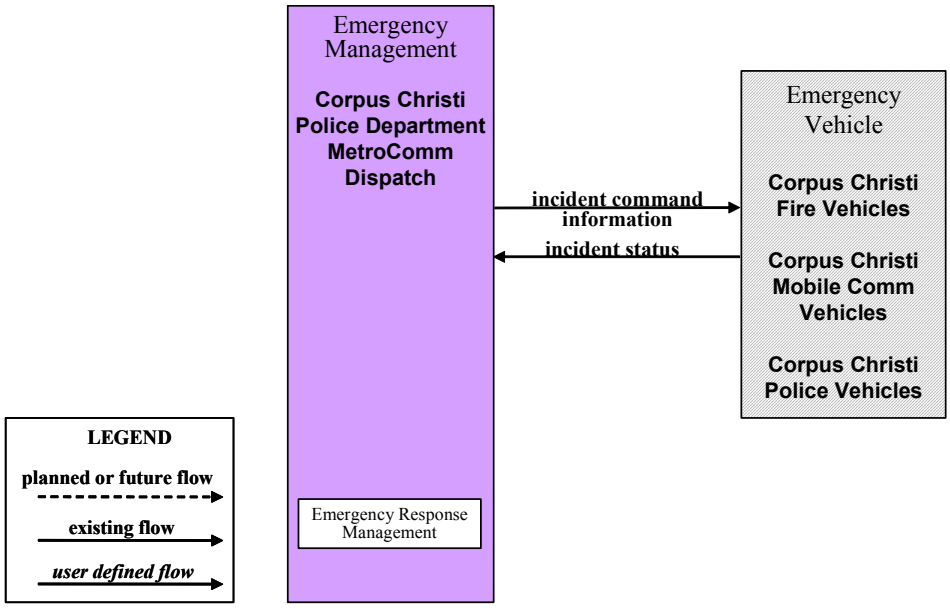


Figure A22 – ATMS8 – Incident Management System:
DPS Comm Dispatch, Halo Flight Emergency Response Helicopter (EM to EV)

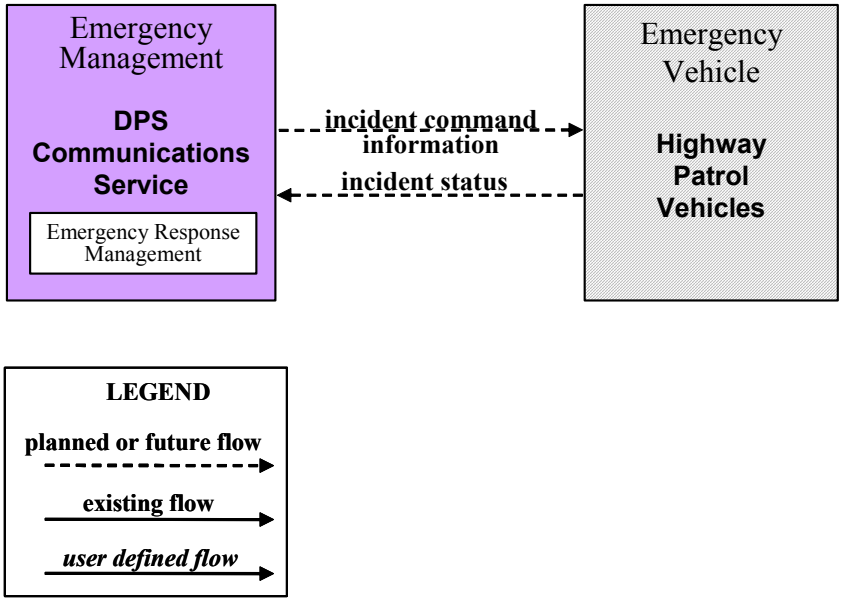


Figure A23 – ATMS8 – Incident Management System:
Halo Flight Emergency Response Helicopter (EM to EV)

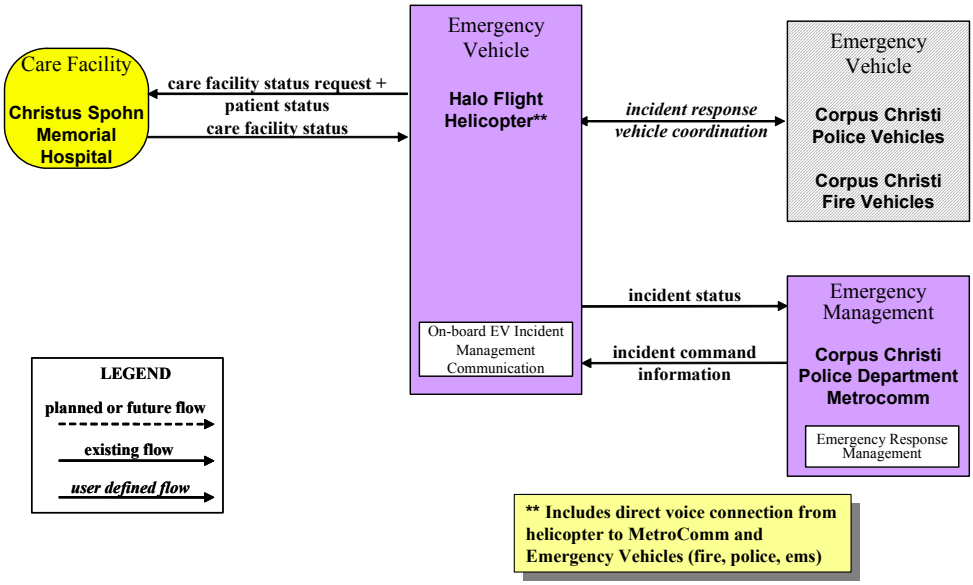


Figure A24 – ATMS8 – Incident Management System:
Metrocomm Community Alerting Tools

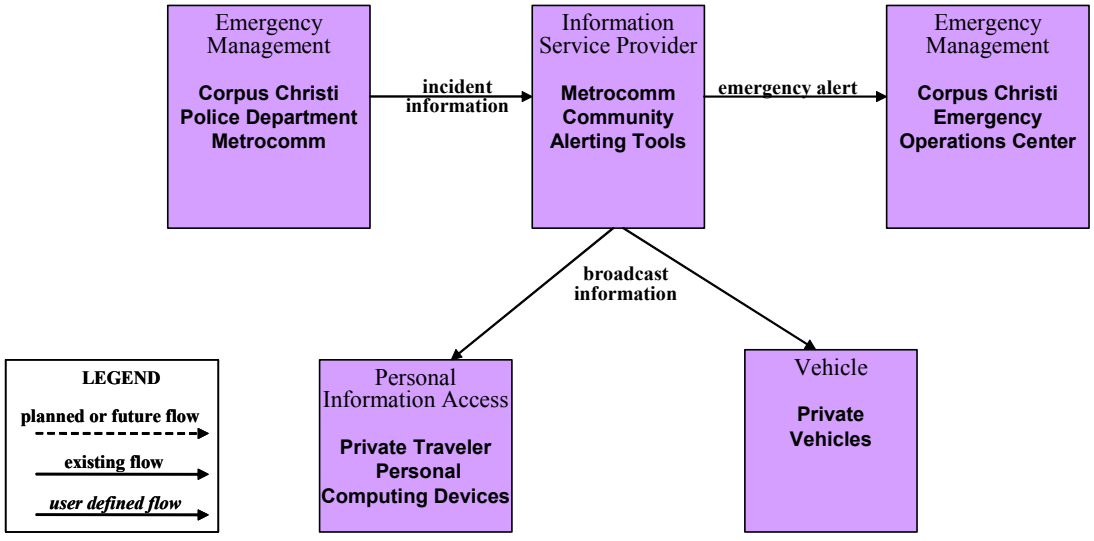


Figure A25 – ATMS11 – Emissions Monitoring and Management

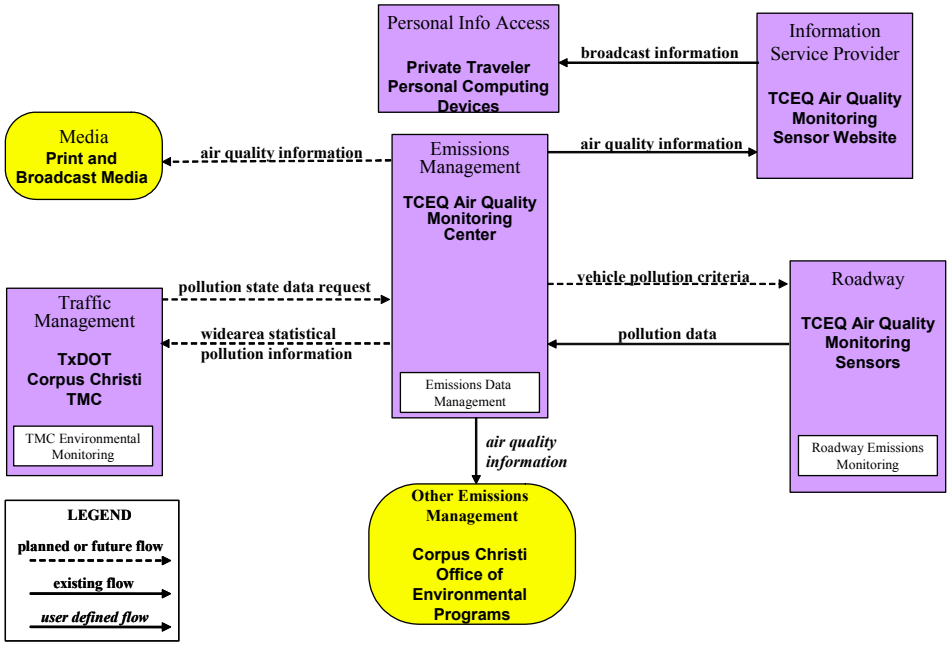


Figure A26 – ATMS13/ATMS15 – Standard Railroad Grade Crossing/Railroad Operations Coordination: City of Corpus Christi

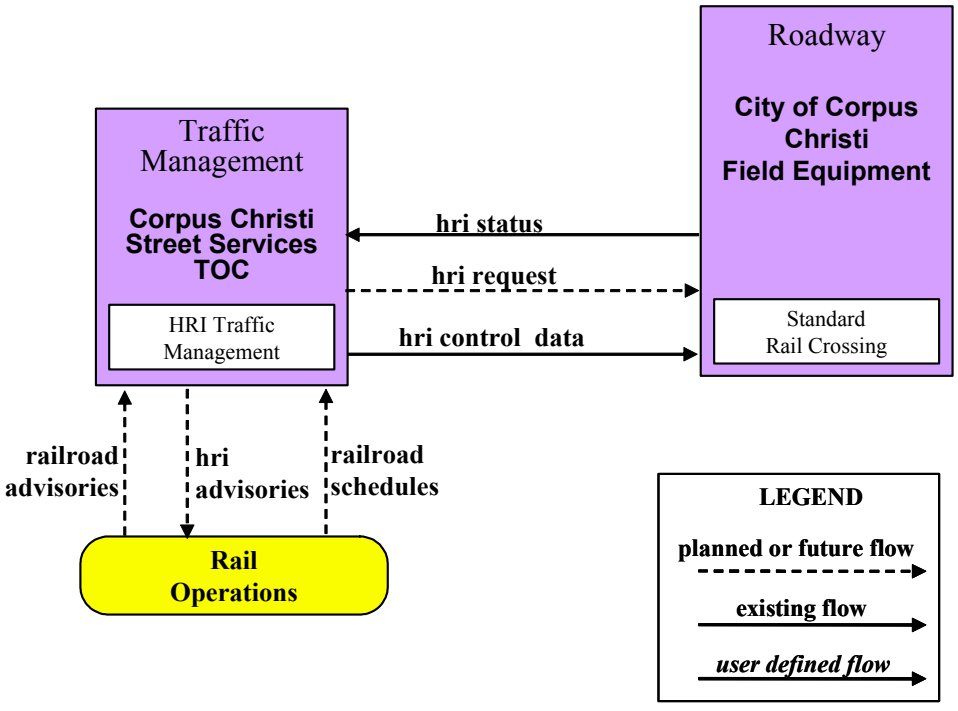


Figure A27 – ATMS13/ATMS 15 – Standard Railroad Grade Crossing/Railroad Operations Coordination: TxDOT Corpus Christi TMC

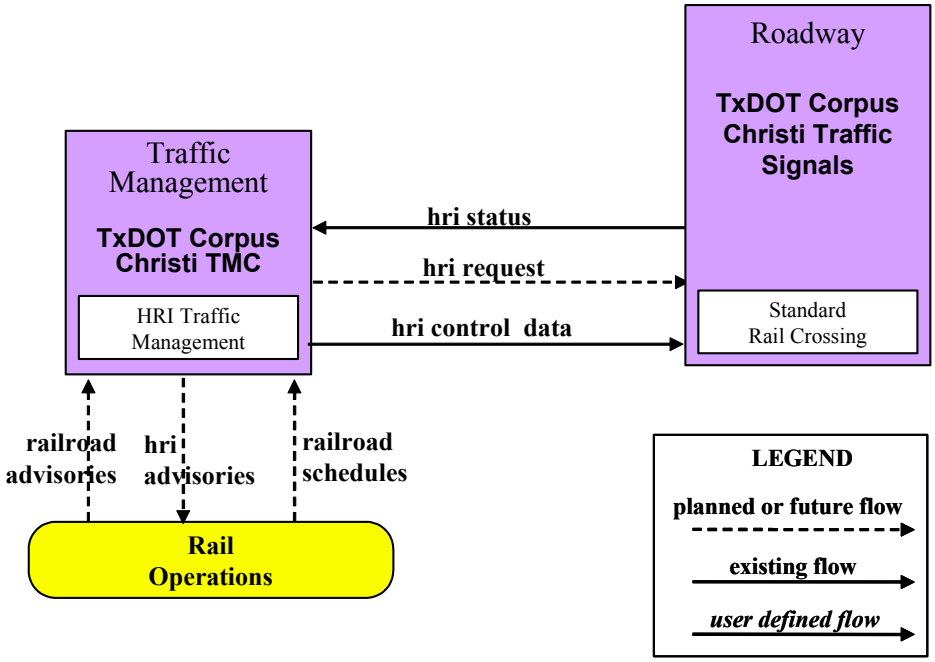


Figure A28 – ATMS16/17 – Parking Facility Management/Regional Parking Management: Bayfront Arena Parking System

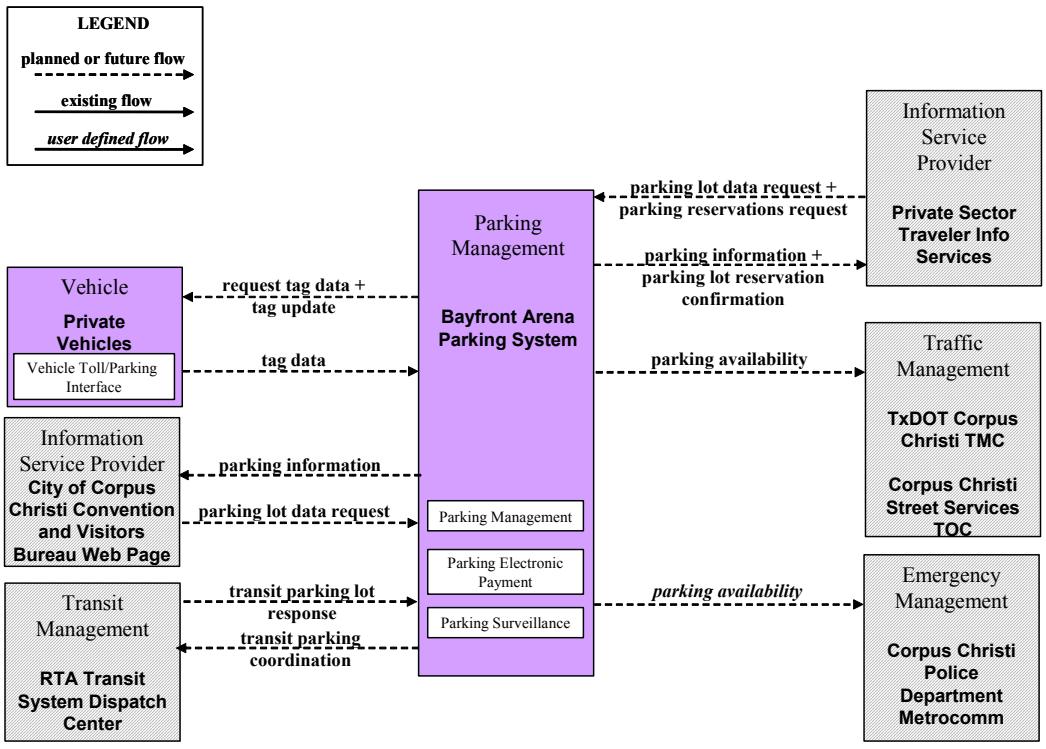


Figure A29 – ATMS18 – Reversible Lane Management: TxDOT Corpus Christi, City of Corpus Christi Street Services

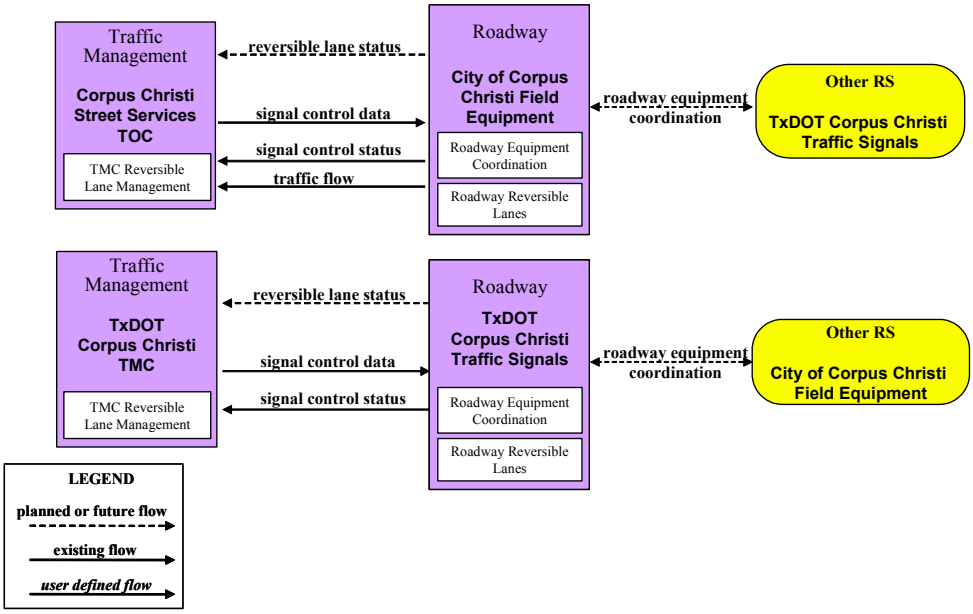
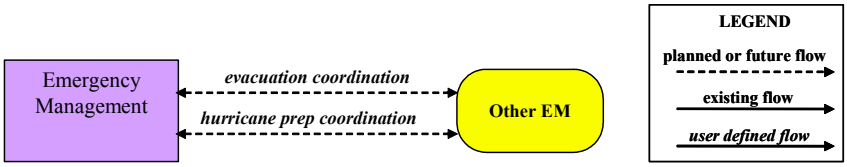
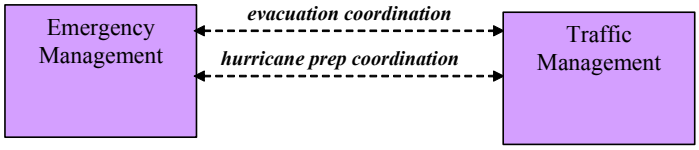


Figure A30 – EM1 – Emergency Response: Hurricane Preparation and Evacuation Coordination (1 of 4)



Emergency Management Element	evac coord + hurricane prep coord
1. City/County EOC	2,5,6,7,17
2. City/ County Public Safety Dispatch	1,6,7
3. Coast Guard Marine Safety Office	4,5,6,10
4. Coast Guard Operations Center	3,5,6,10
5. Corpus Christi Emergency Ops Center	1,3,4,6,7,8,9,10,15,16,17
6. Corpus Christi Police Dept Metrocomm Dispatch	1,2,3,4,5,7,8,9,10,14,15,16,17
7. DPS Comm Service	1,2,5,6,17
8. NAS Security Office	5,6,16
9. Naval Station Ingleside Operations Center	5,6
10. POCCA Harbor Master's Office	3,4,5,6
11. Private Ambulance Dispatch Center	
12. Private Tow/Wrecker Dispatch	
13. Private Vehicle Emergency Systems	
14. Refinery Terminal Fire Company Dispatch	6
15. State EOC	5,17
16. Corpus Christi Intl Airport Public Safety	5,6.8
17. TxDOT Corpus Christi Emergency Control Center	2,5,6,7,15

Figure A31 – EM1 – Emergency Response:
Hurricane Preparation and Evacuation Coordination (2 of 4)



Traffic Mgmt Element	TxDOT Corpus Christi TMC	Corpus Christi Street Services TOC
City/County EOC	√	
City/ County Public Safety Dispatch	√	
Corpus Christi Emergency Ops Center	√	√
Corpus Christi Police Dept Metrocomm Dispatch	√	√
DPS Comm Service	√	
TxDOT Corpus Christi Emergency Control Center	√	
State EOC	√	

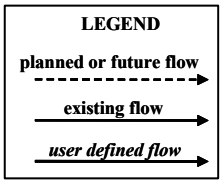


Figure A32 – EM1 – Emergency Response:
Hurricane Preparation and Evacuation Coordination (3 of 4)

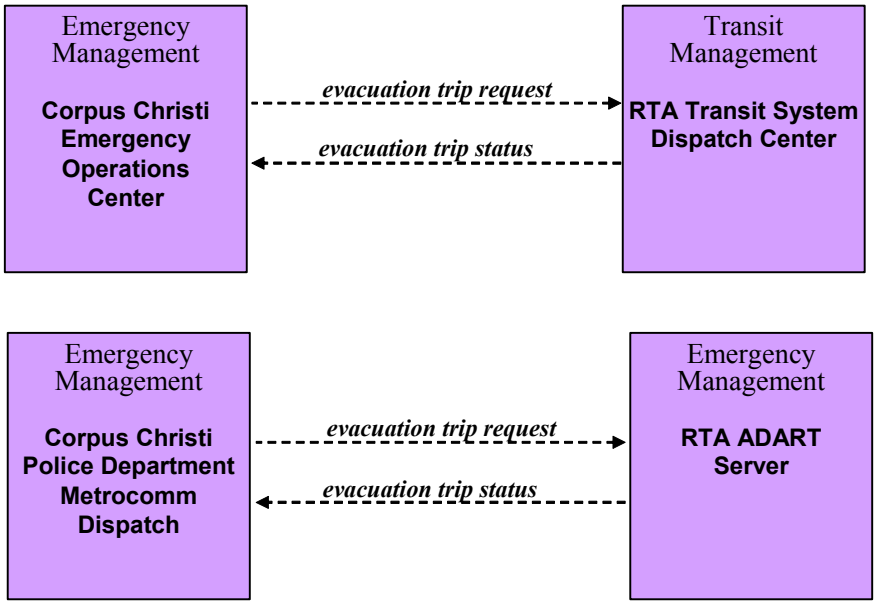


Figure A33 – EM1 – Emergency Response:
Hurricane Preparation and Evacuation Coordination (4 of 4)

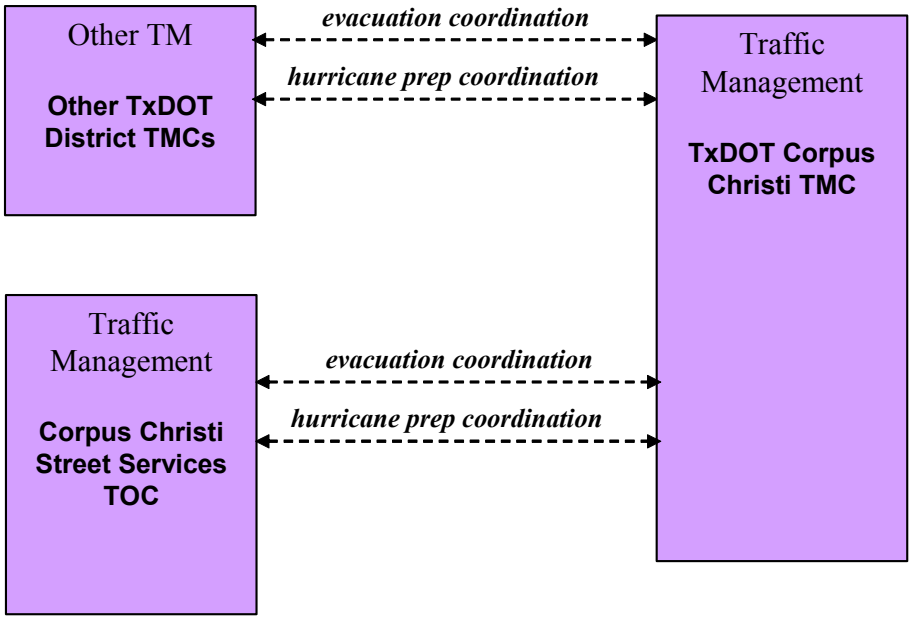
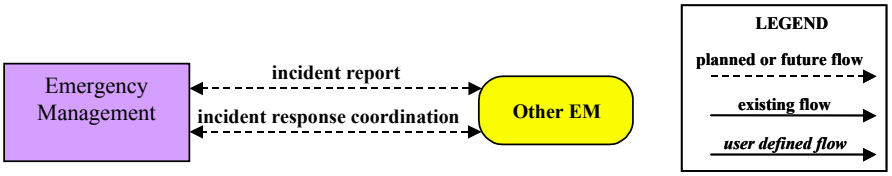


Figure A34 – EM1 – Emergency Response EM Coordination



Emergency Management Element	incident report	incident responsecoord
1. City/County EOC	2,5,6,7	2,5,6,7
2. City/ County Public Safety Dispatch	1,6,7	1,6,7
3. Coast Guard Marine Safety Office	4,5,6,10	4,5,6,10
4. Coast Guard Operations Center	3,5,6,10	3,5,6,10
5. Corpus Christi Emergency Ops Center	1,3,4,6,7,8,9,10, 14,15,16,17	1,3,4,6,7,8,9,10, 14,15,16,17
6. Corpus Christi Police DeptMetrocomm Dispatch	all except 15	all except 11,12,13
7. DPS Comm Service	1,2,5,6	1,2,5,6
8. NAS Security Office	5,6,16	5,6
9. Naval Station Ingleside Operations Center	5,6	5,6
10. POCCA Harbor Master's Office	3,4,5,6,14	3,4,5,6,14
11. Private Ambulance Dispatch Center	6	
12. Private Tow/Wrecker Dispatch	6	
13. Private Vehicle Emergency Systems	6	
14. Refinery Terminal Fire Company Dispatch	5,6,10	5,6,10
15. State EOC	5,17	5,6,17
16. Corpus ChristiInterntl Airport Public Safety	5,6,8	5,6
17. TxDOT Corpus Christi Emergency ControlCntr	5,6,15	5,6,15

Figure A35 – EM1 – Emergency Response: Emergency Vehicle Interface (1 of 4)

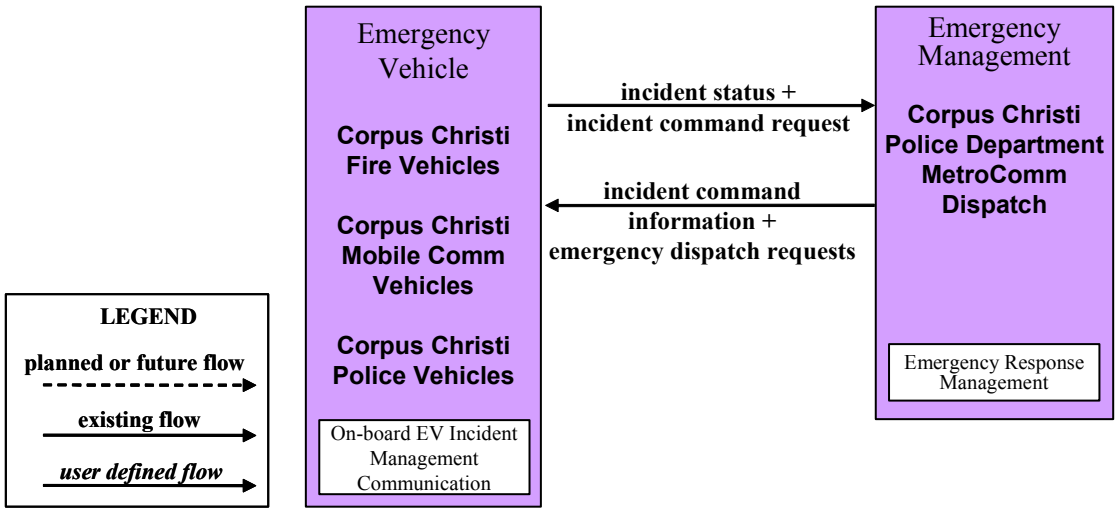


Figure A36 – EM1 – Emergency Response: Emergency Vehicle Interface (2 of 4)

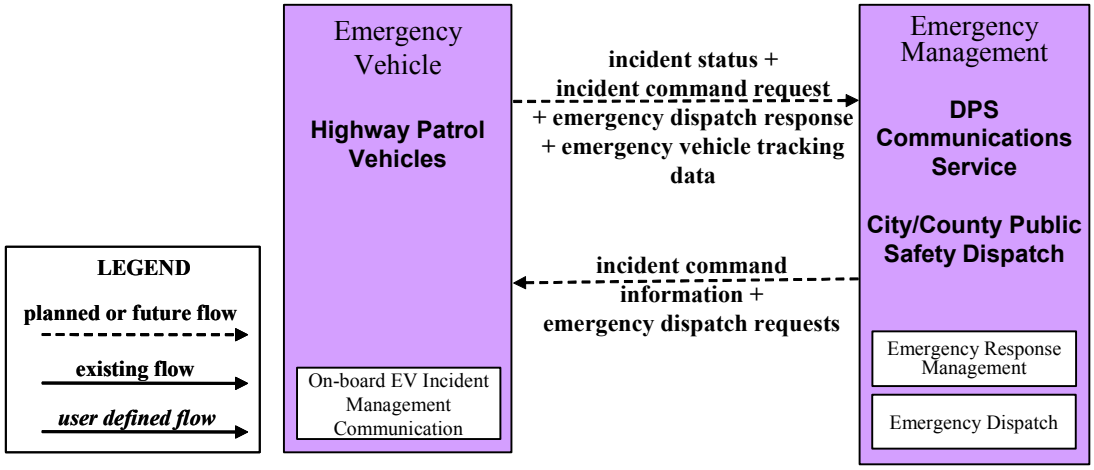


Figure A37 – EM1 – Emergency Response: Emergency Vehicle Interface (3 of 4)

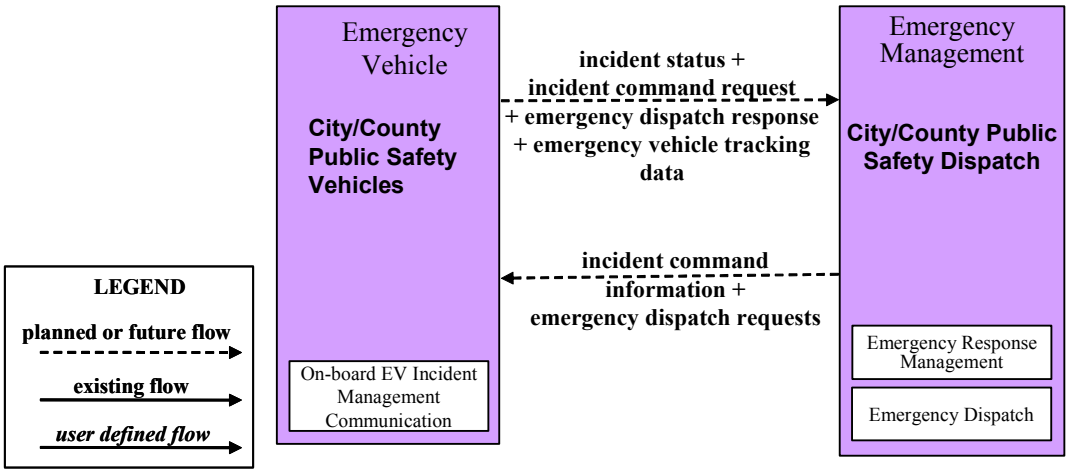


Figure A38 – EM1 – Emergency Response: Emergency Vehicle Interface (4 of 4)

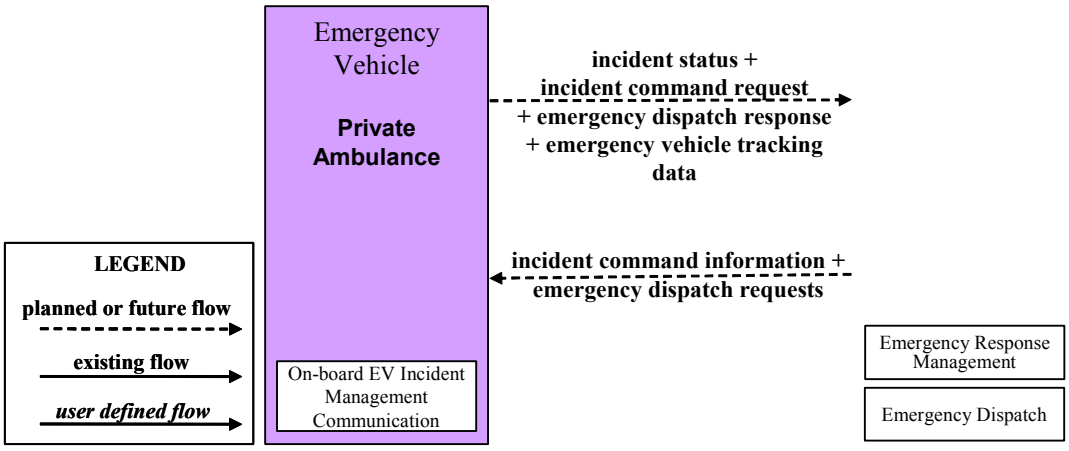


Figure A39 – EM2 – Emergency Routing/Preemption:
Christus Spohn Memorial Hospital/Corpus Christi Police Department Metrocomm Dispatch

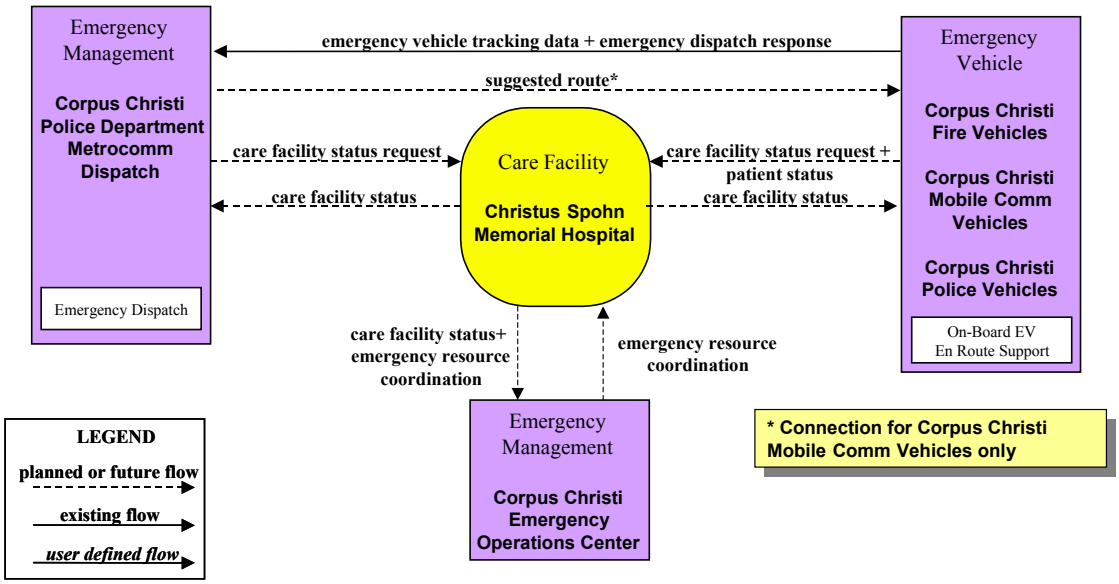


Figure A40 – EM2 – Emergency Routing/Preemption:
Regional Hospitals

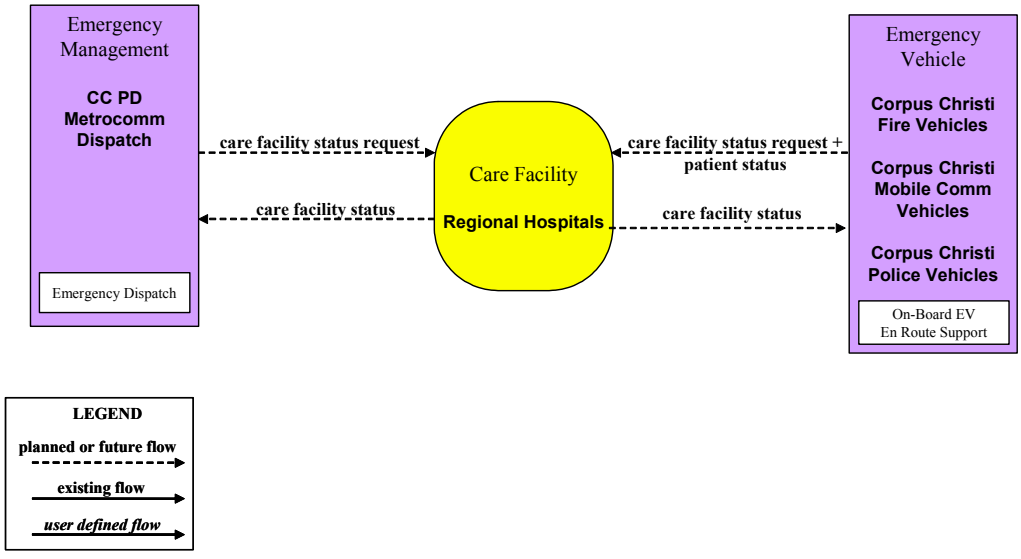


Figure A41 – EM3 – Mayday Support:
DPS Communications Service/Local 911

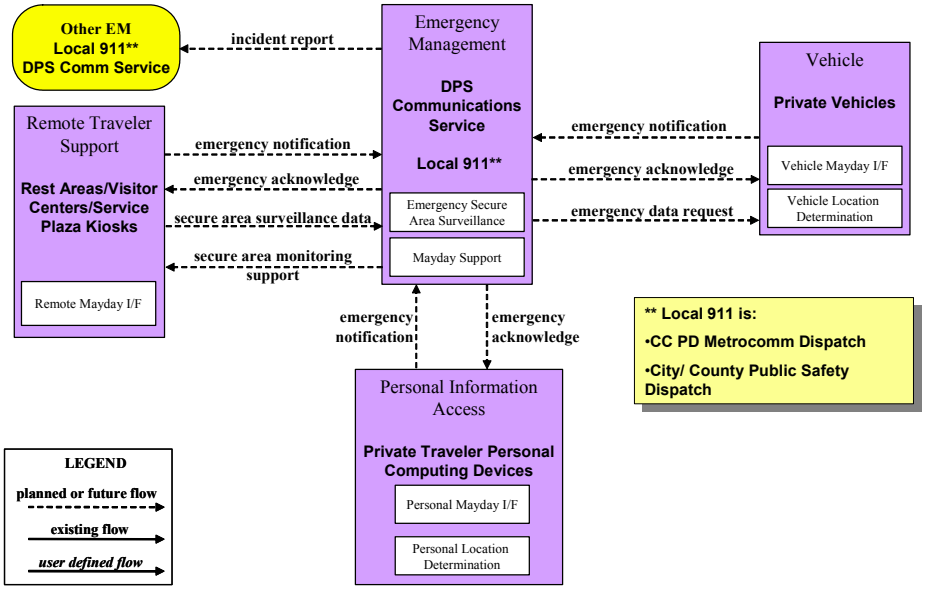


Figure A42 – MC01/02 – Maintenance and Construction Vehicle Tracking/Maintenance:
TxDOT Urban/Rural Maintenance Sections

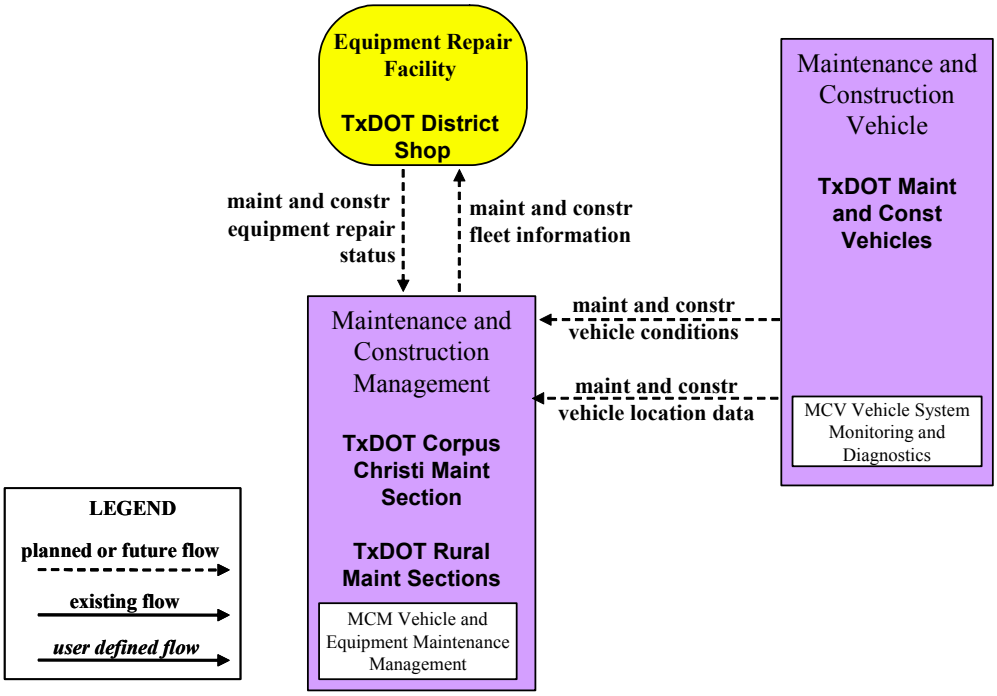


Figure A43 – MC02 – Maintenance and Construction Vehicle/Equipment Maintenance: Corpus Christi Street Services Maintenance and Operations

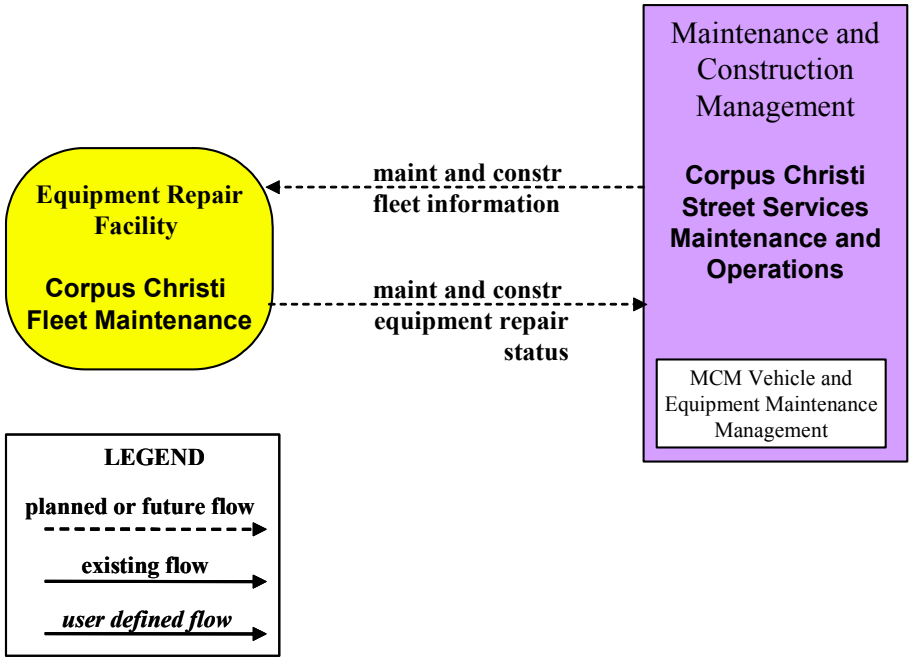


Figure A44 – MC03 – Environmental Data Collection: TCOON Data Collection Center, Corpus Christi Street Services TOC

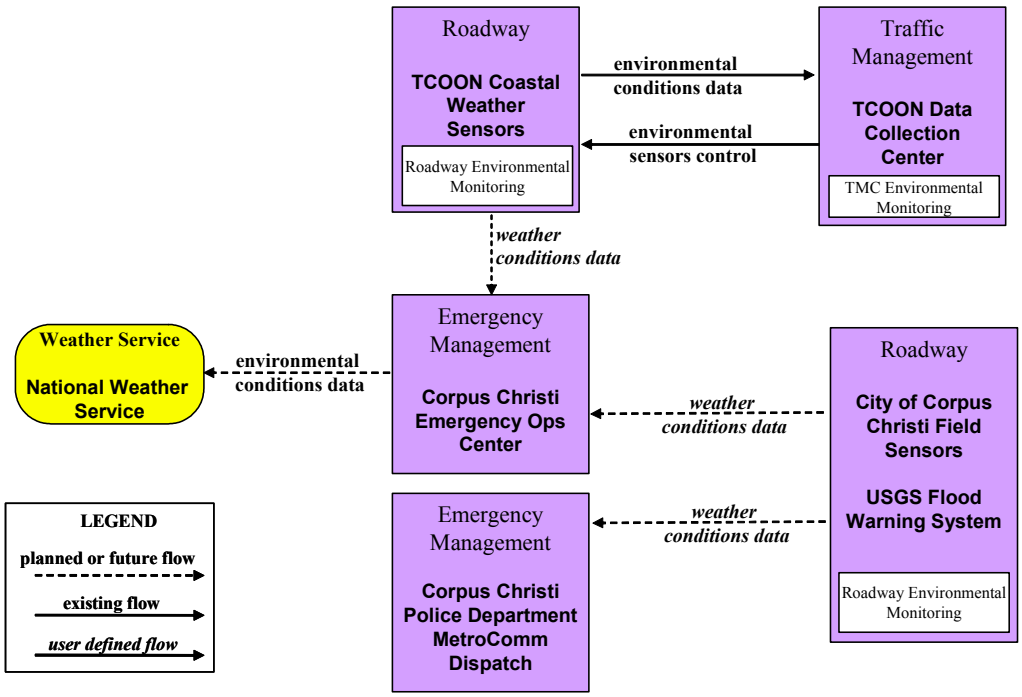


Figure A45 – MC04 – Weather Information Distribution (1 of 3)

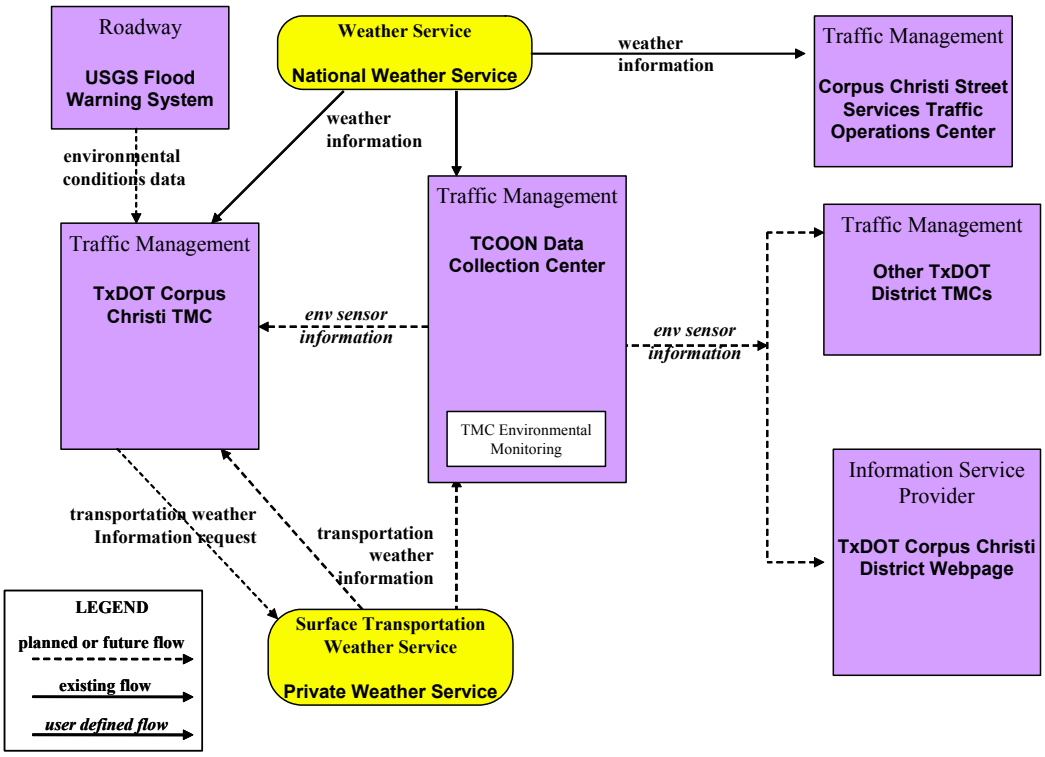


Figure A46 – MC04 – Weather Information Distribution: Transit Management (2 of 3)

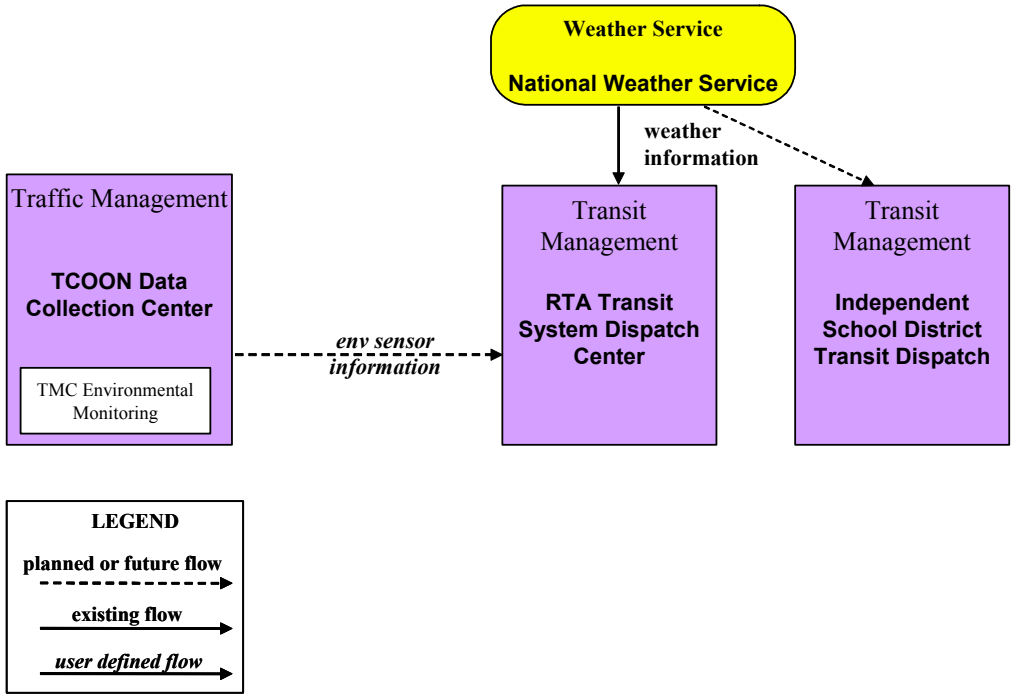


Figure A47 – MC04 – Weather Information Distribution: Emergency Management (3 of 3)

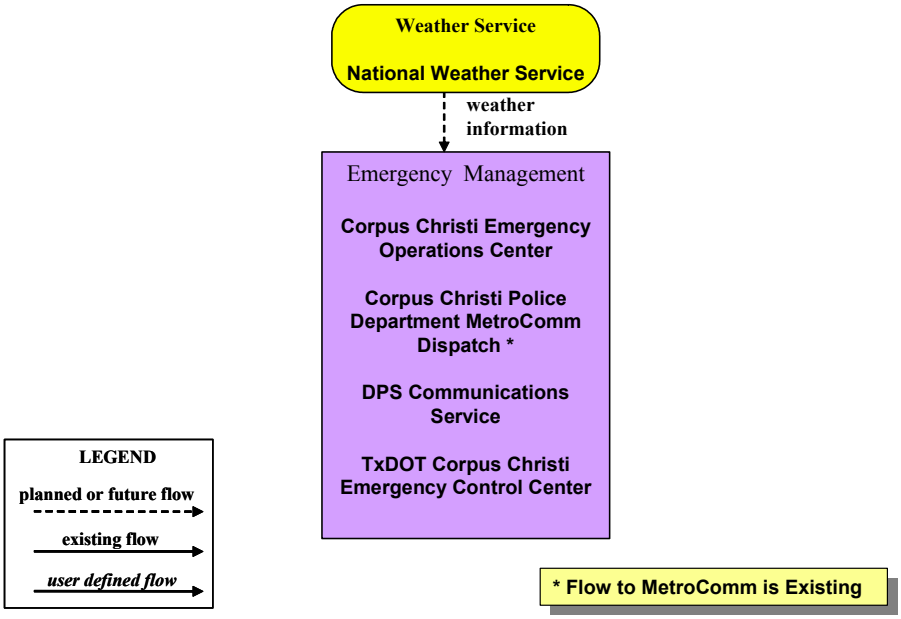


Figure A48 – MC07 – Roadway Maintenance and Construction: TxDOT Maintenance

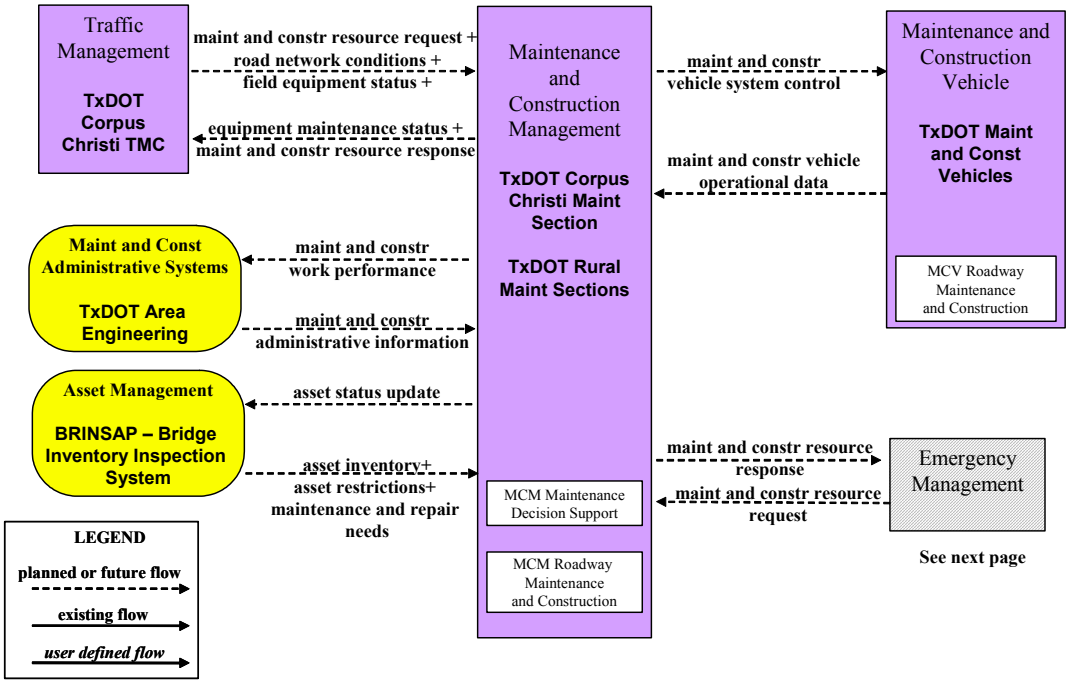


Figure A49 – MC07 – Roadway Maintenance (EM to MCMS)

	TxDOT Corpus Christi Maint Section	TxDOT Rural Maint Sections
ARCHITECTURE FLOW →	**resource request + resource response**	**resource request + resource response**
Emergency Management Center		
City/County EOC		√
City/ County Public Safety Dispatch		√
Corpus Christi Police Dept Metrocomm Dispatch	√	
DPS Comm Service	√	√

Figure A50 – MC07 – Roadway Maintenance and Construction: County Road and Bridge

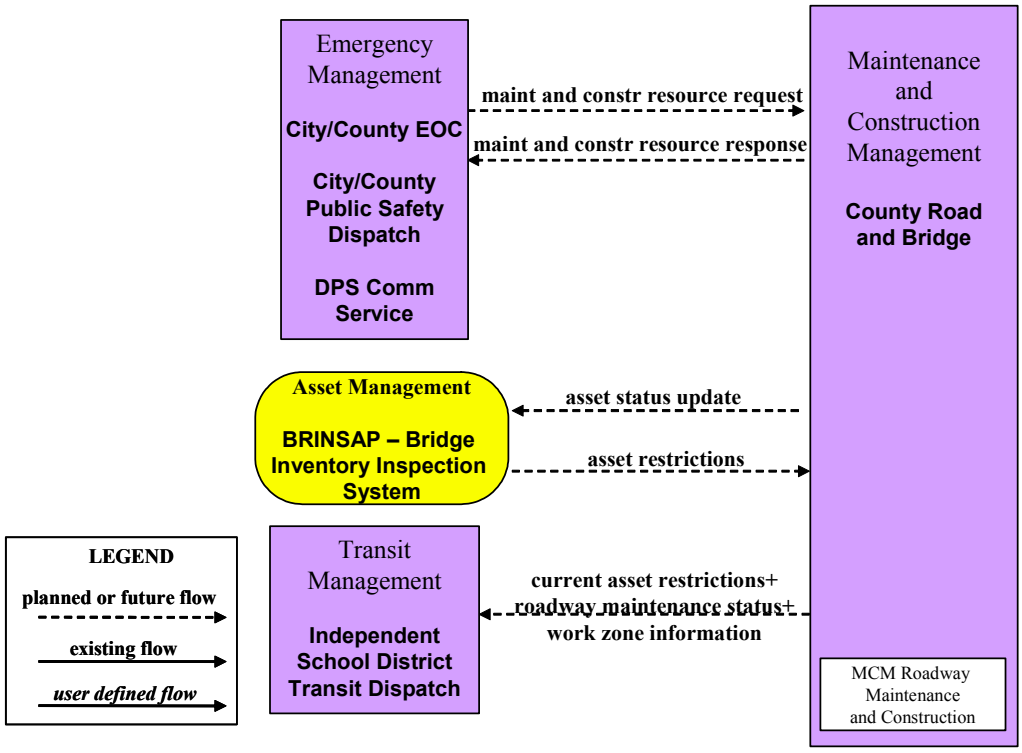


Figure A51 – MC07 – Roadway Maintenance and Construction:
City of Corpus Christi Maintenance

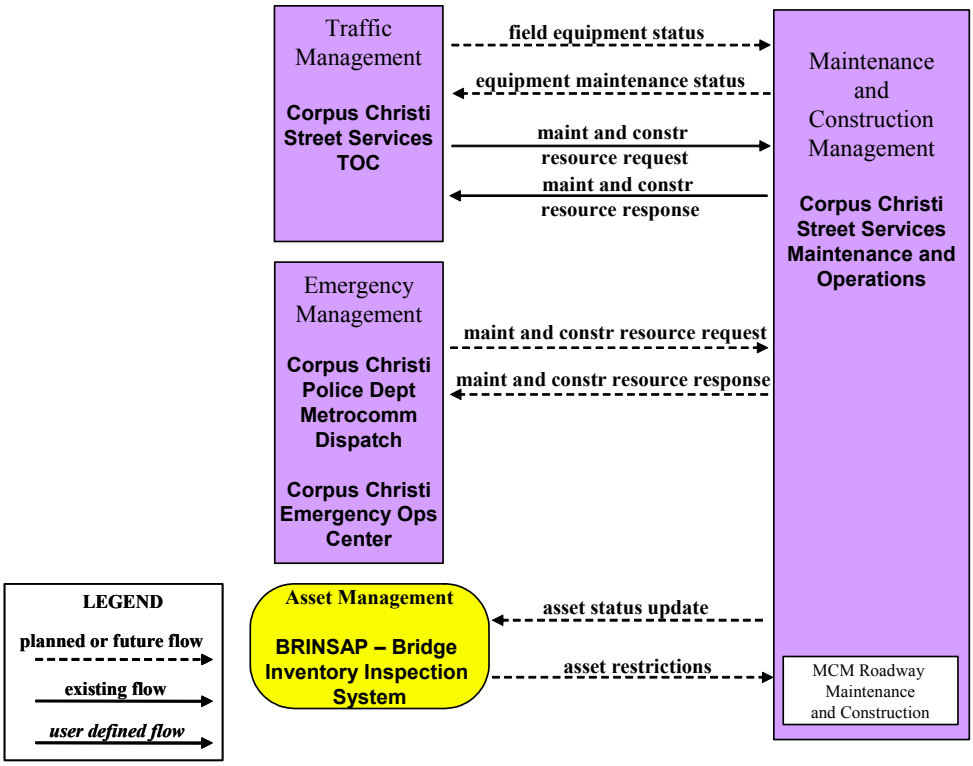


Figure A52 – MC08 – Work Zone Management:
TxDOT Maintenance/Construction

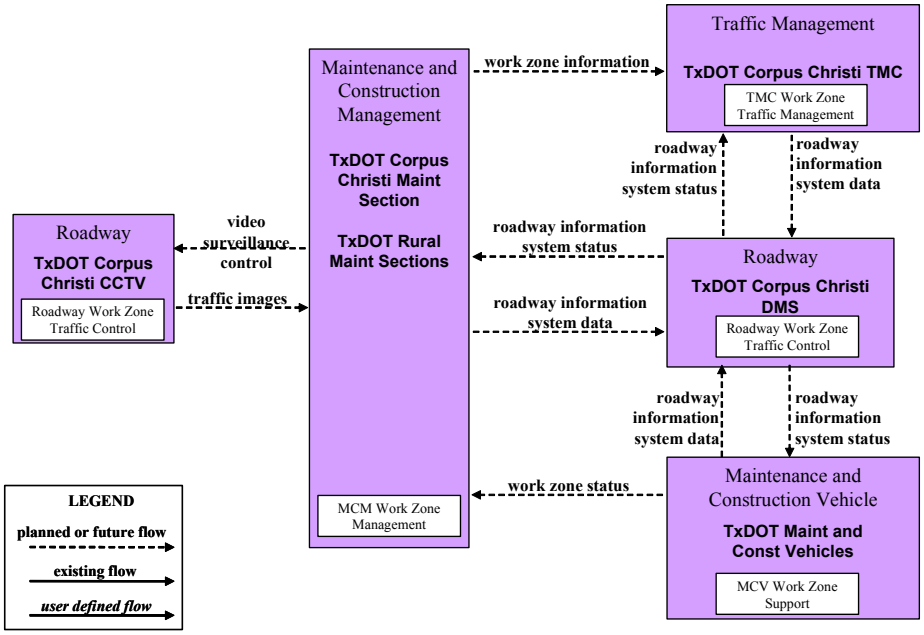


**Figure A53 – MC08 – Work Zone Management:
TxDOT CC Maintenance Section-
Work Zone Info Distribution**

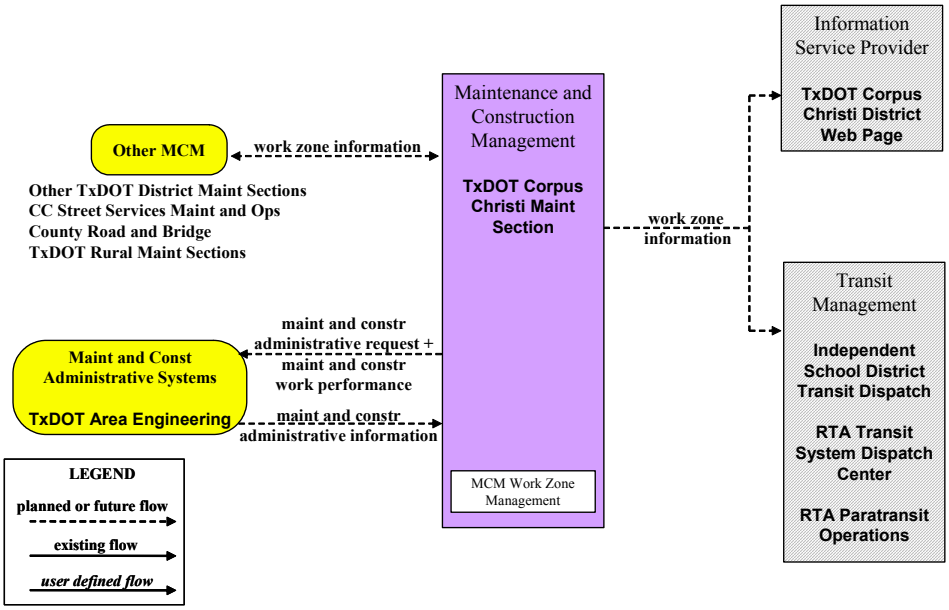


**Figure A54 – MC08 – Work Zone Management:
TxDOT Maintenance- Work Zone Info Distribution**

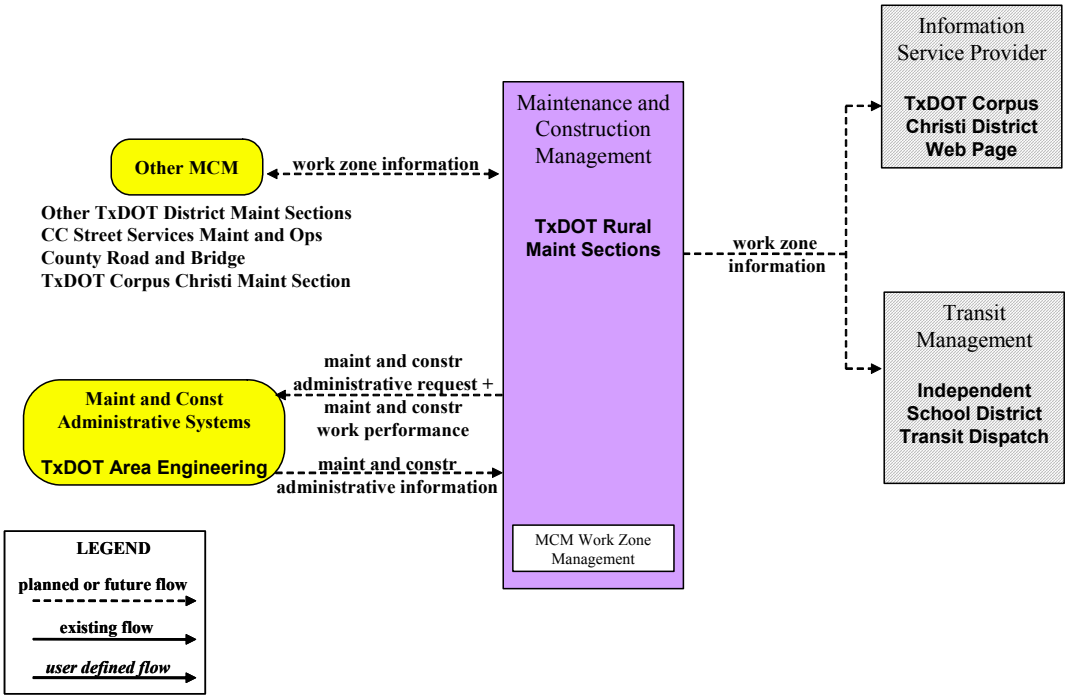


Figure A55 – MC08 – Work Zone Management:
Corpus Christi Maintenance- Work Zone Info Distribution

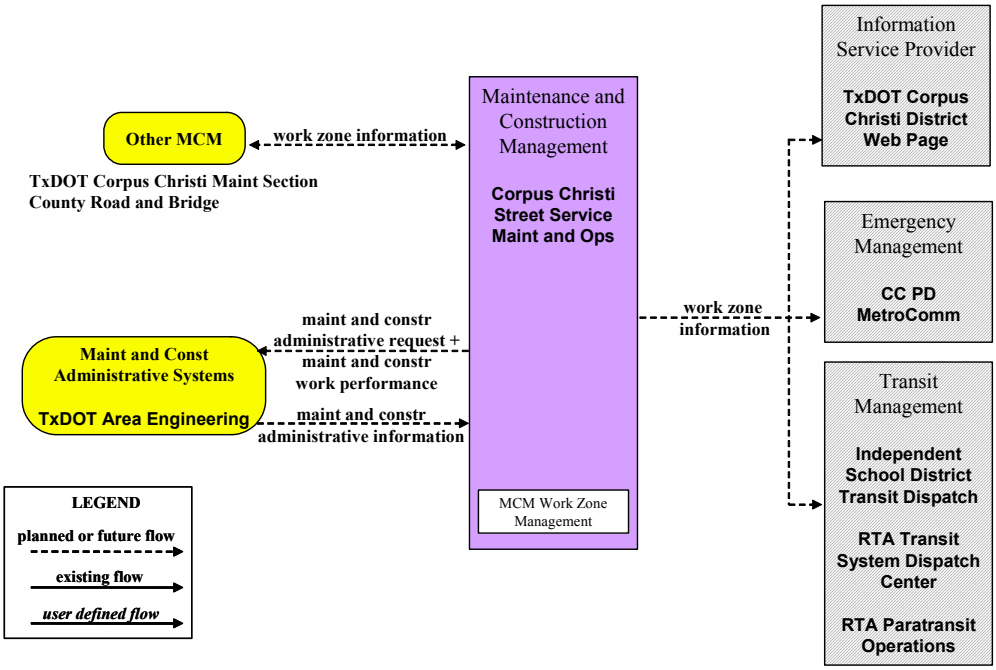


Figure A56 – MC09 – Work Zone Safety Monitoring:
TxDOT Urban/Rural Work Zones

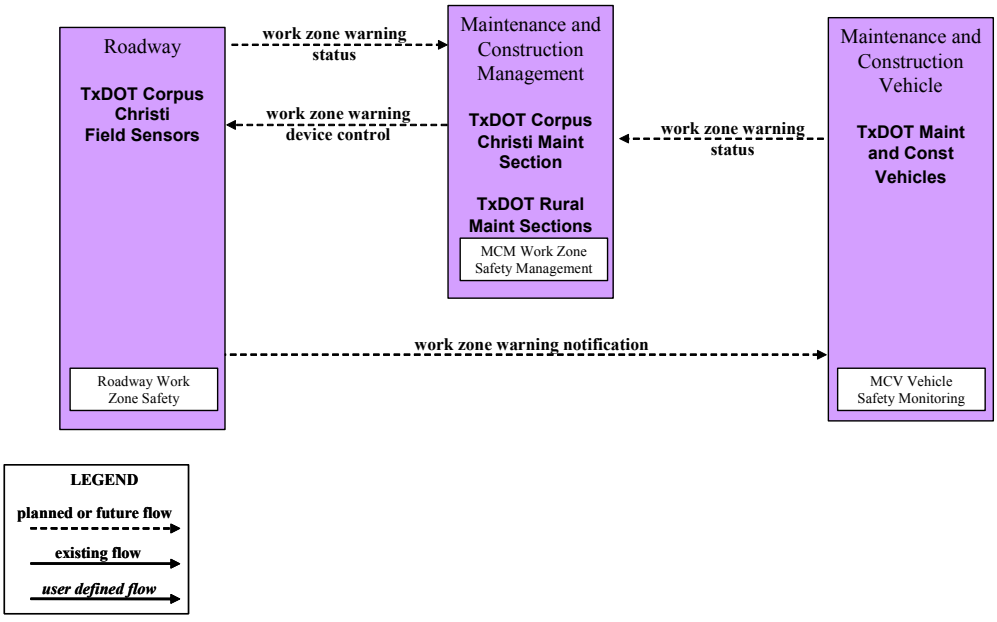


Figure A57 – MC10 – Maintenance and Construction Activity Coordination: TxDOT (1 of 2)

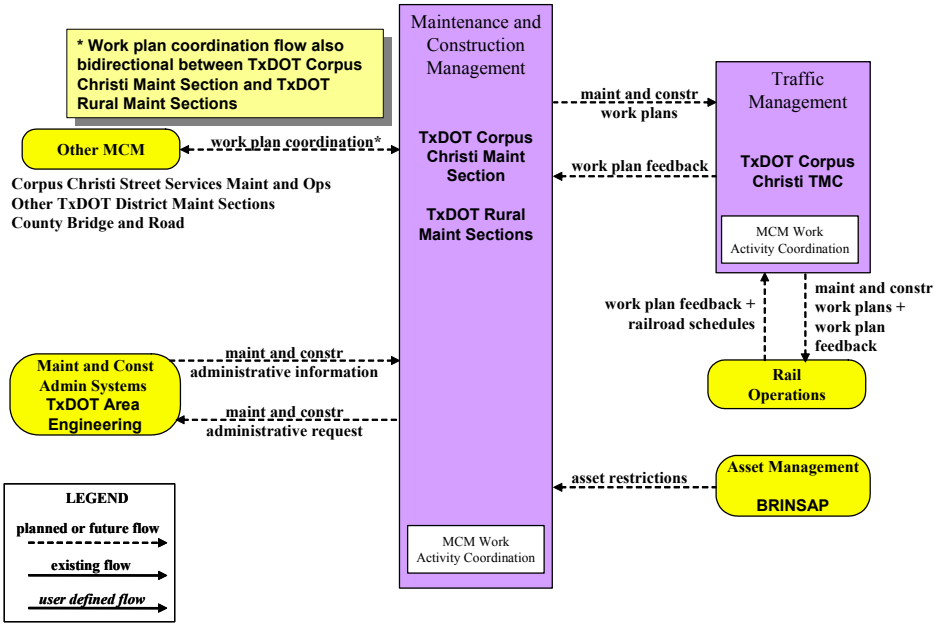


Figure A58 – MC10 – Maintenance and Construction Activity Coordination: TxDOT (2 of 2)

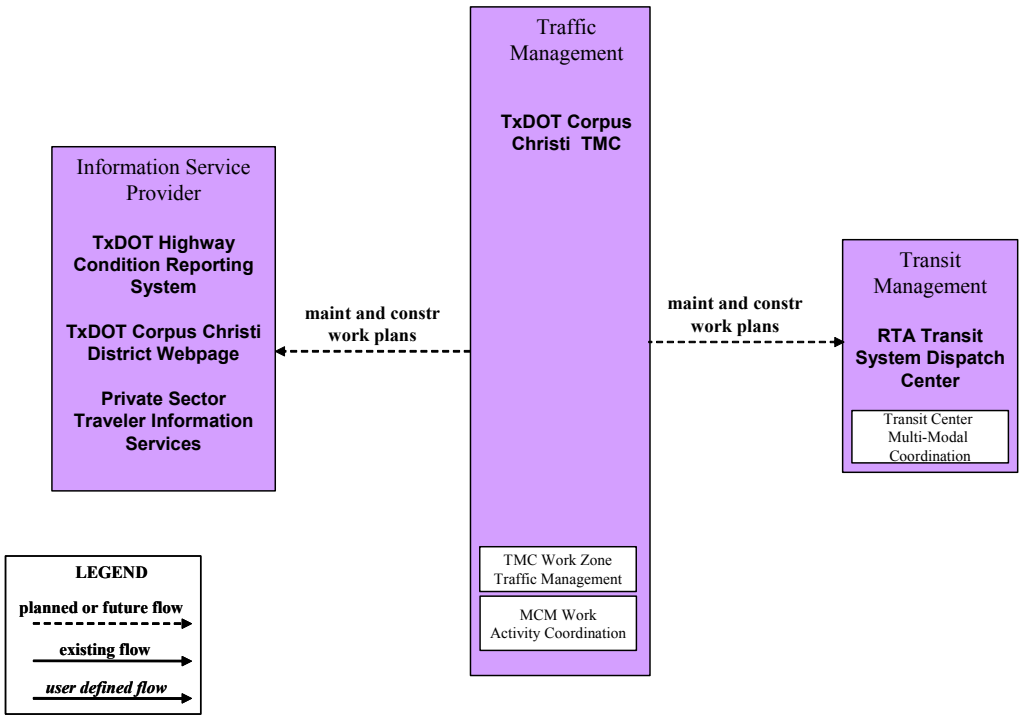


Figure A59 – MC10 – Maintenance and Construction Activity Coordination: City of Corpus Christi

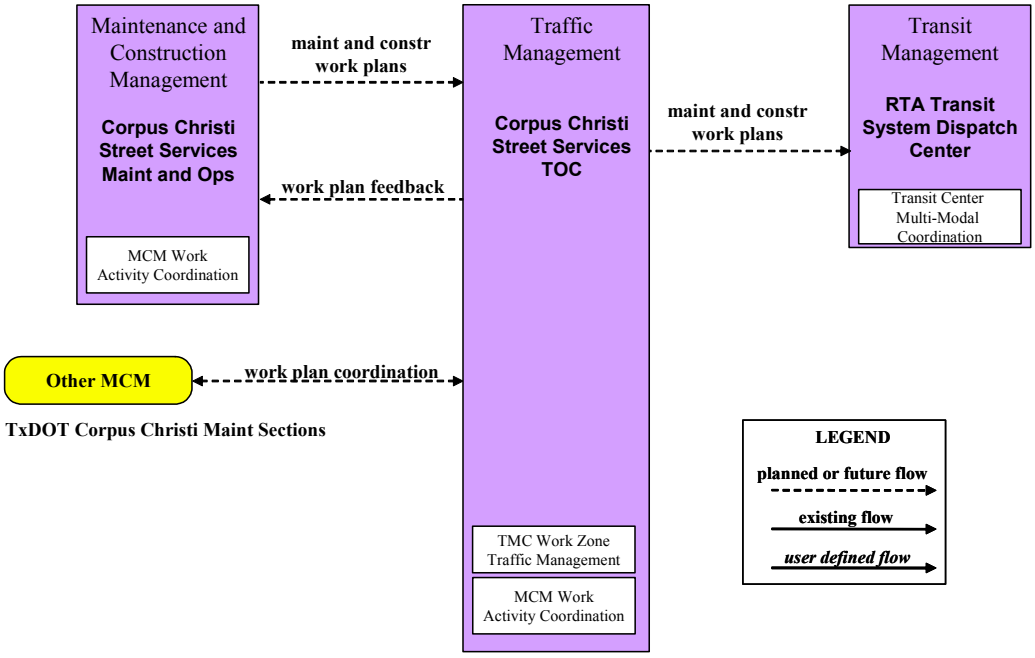


Figure A60 – APTS1 – Transit Vehicle Tracking: RTA Transit

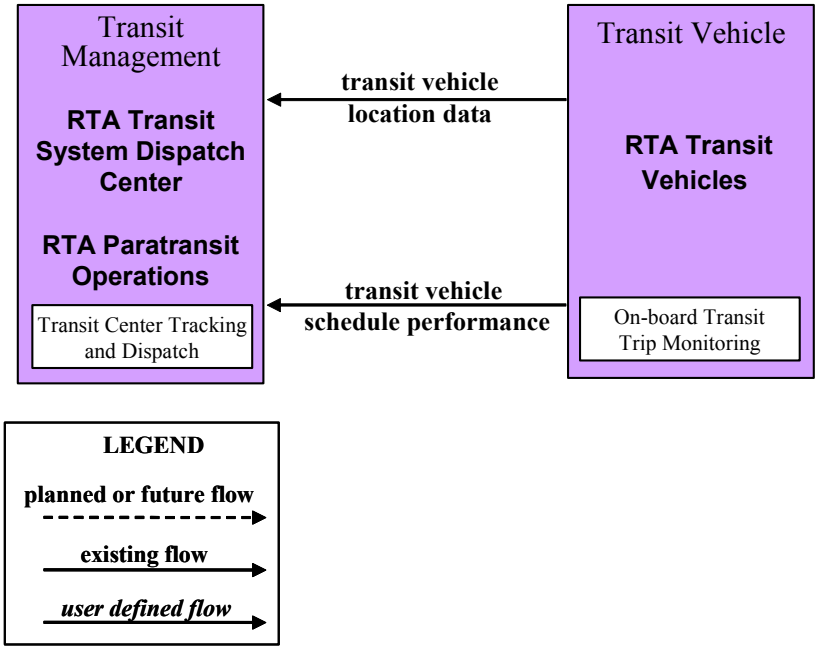


Figure A61 – APTS1 – Transit Vehicle Tracking/APTS8 Transit Maintenance: RTA ADART

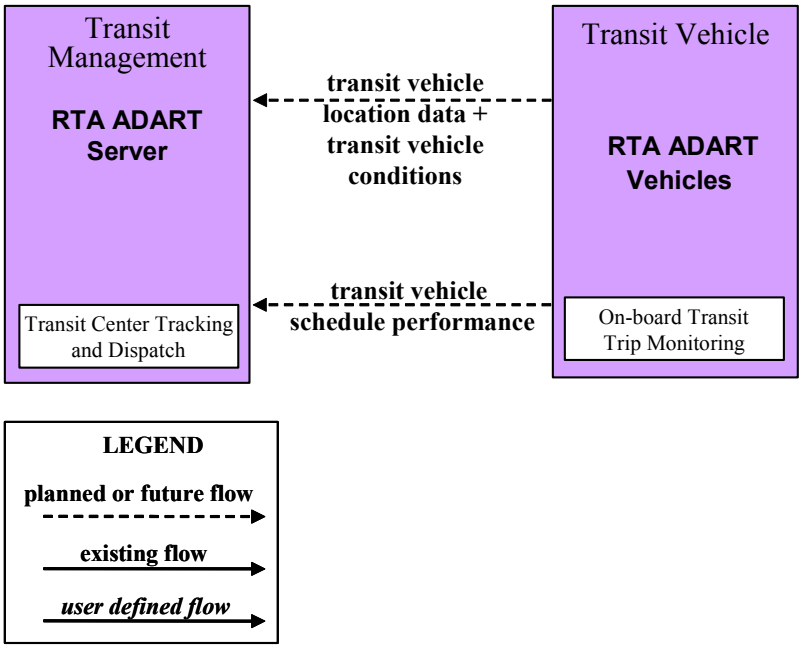


Figure A62 – APTS2 – Transit Fixed-Route Operations: RTA Transit

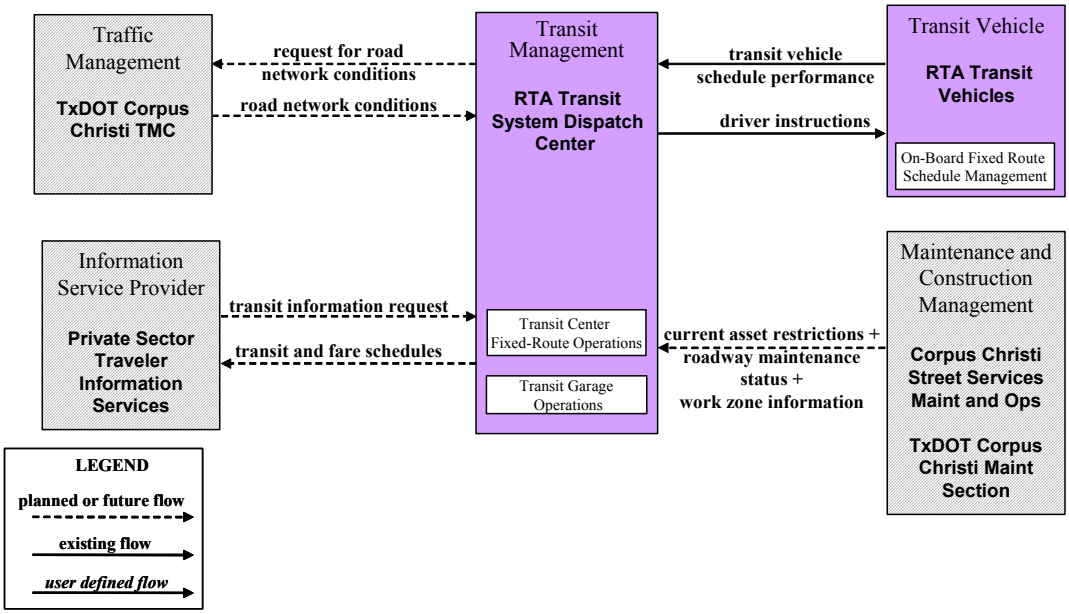


Figure A63 – APTS2 – Transit Fixed-Route Operations: Independent School Districts

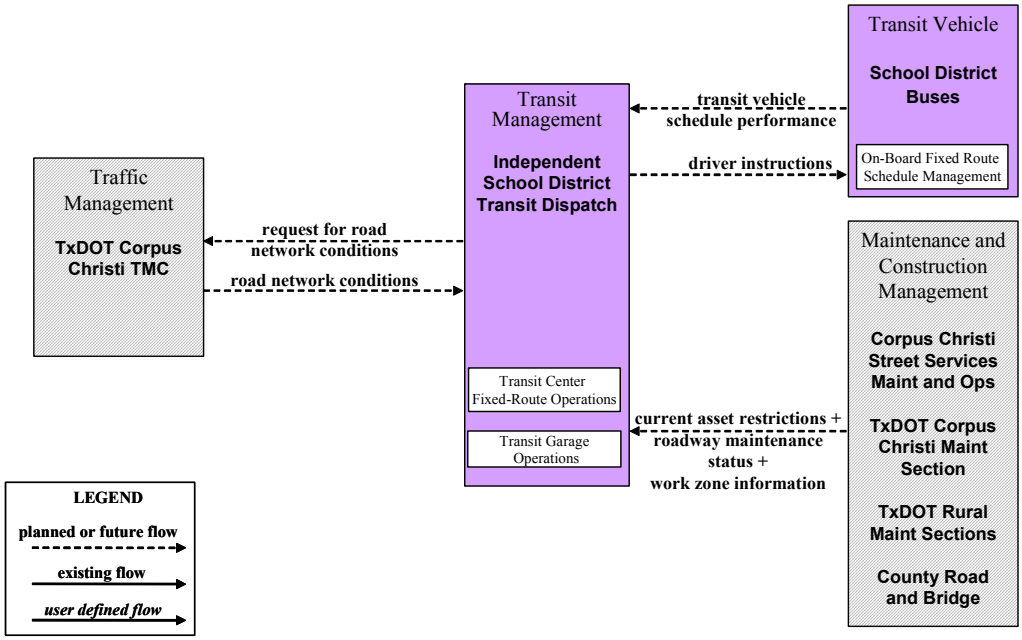


Figure A64 – APTS3 – Demand Response Transit Operations: RTA Paratransit

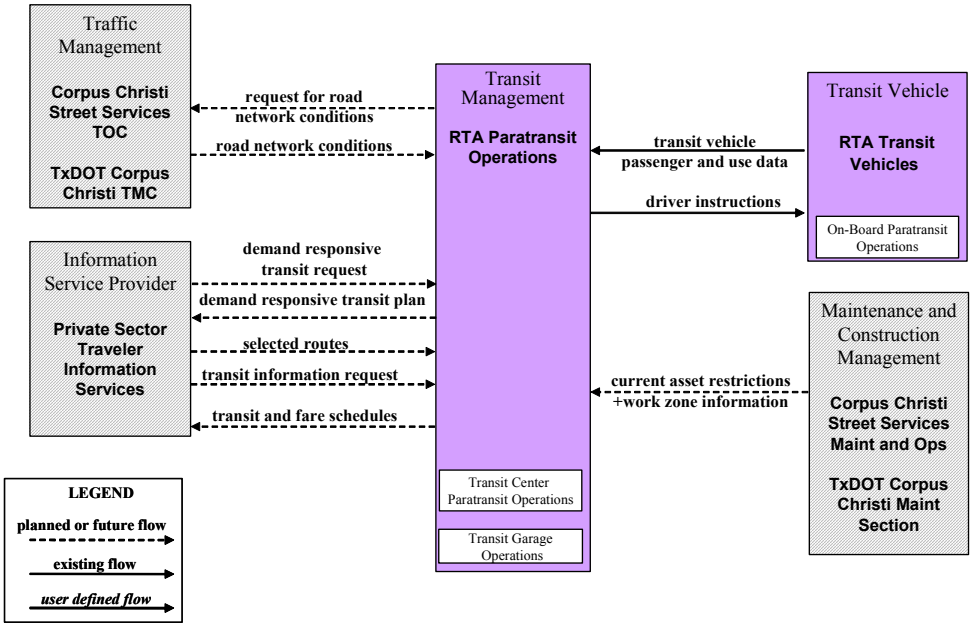


Figure A65 – APTS3 – Demand Response Transit Operations: RTA ADART

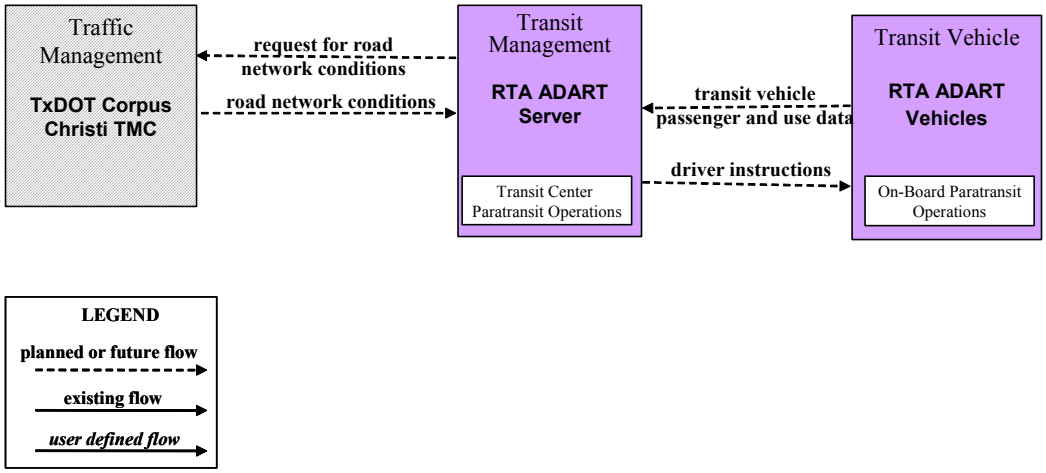


Figure A66 – APTS4 –Transit Passenger and Fare Management: RTA Transit

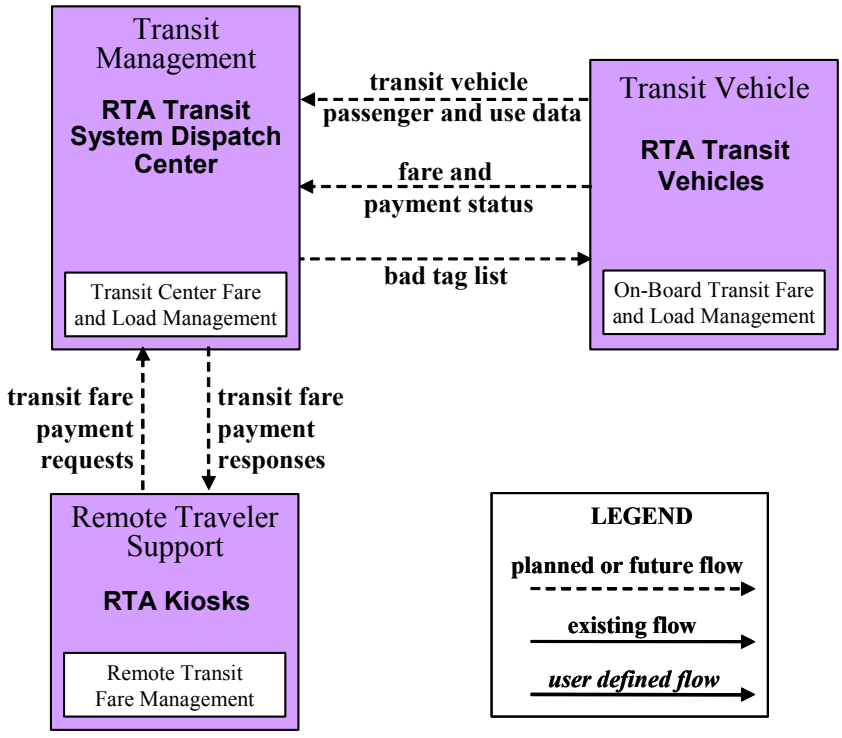


Figure A67 – APTS4 –Transit Passenger and Fare Management: RTA ADART

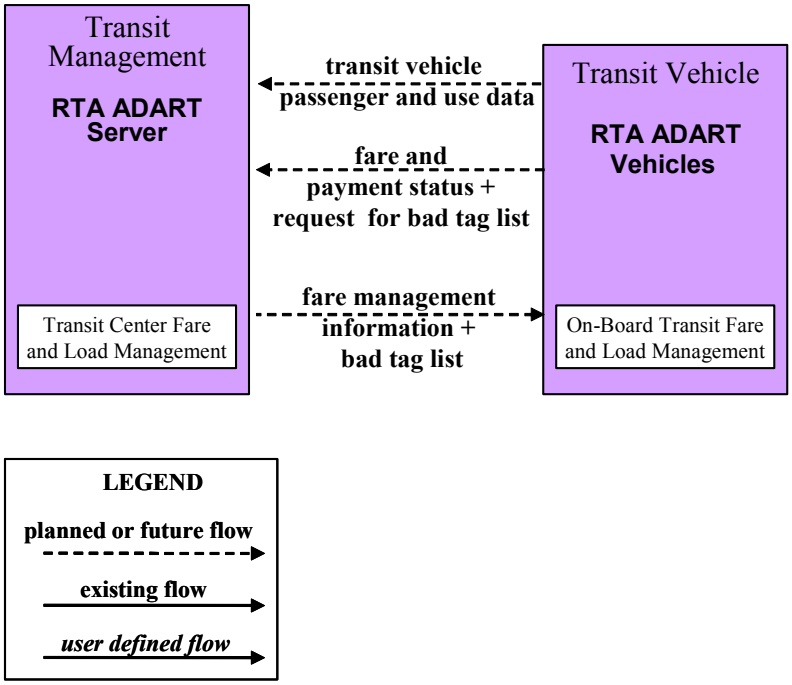


Figure A68 – APTS5 – Transit Security: RTA Transit

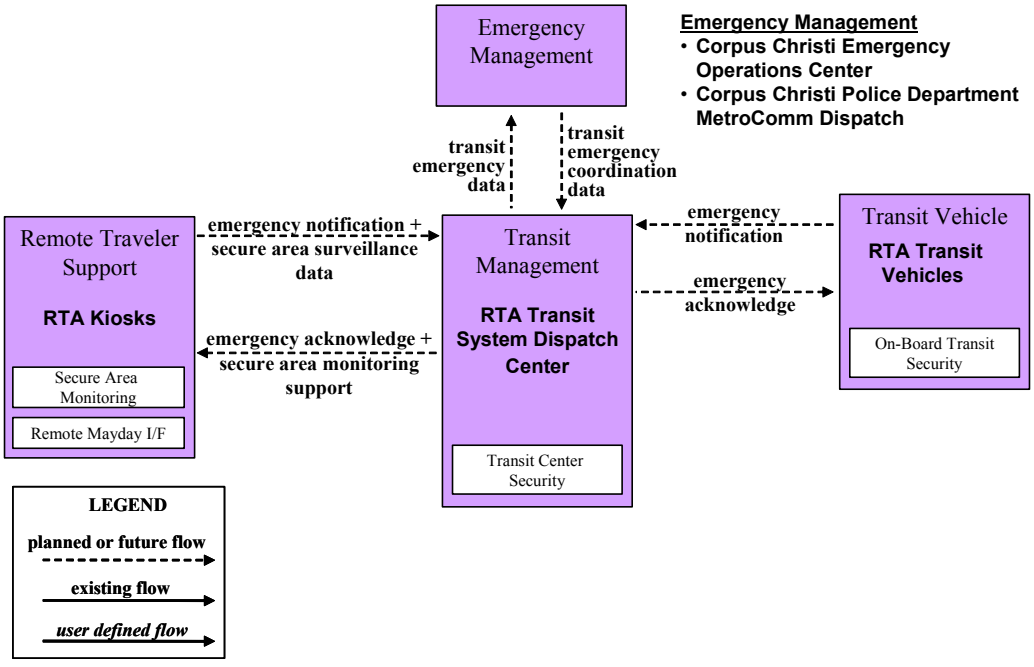


Figure A69 – APTS5 – Transit Security:
RTA ADART

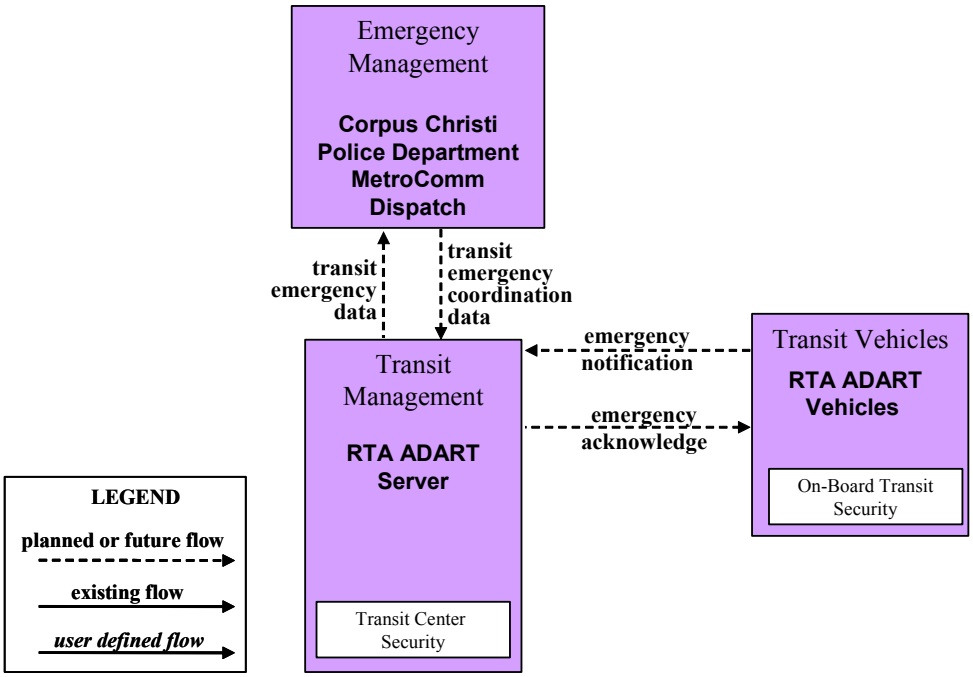


Figure A70 – APTS7 – Mutimodal Coordination

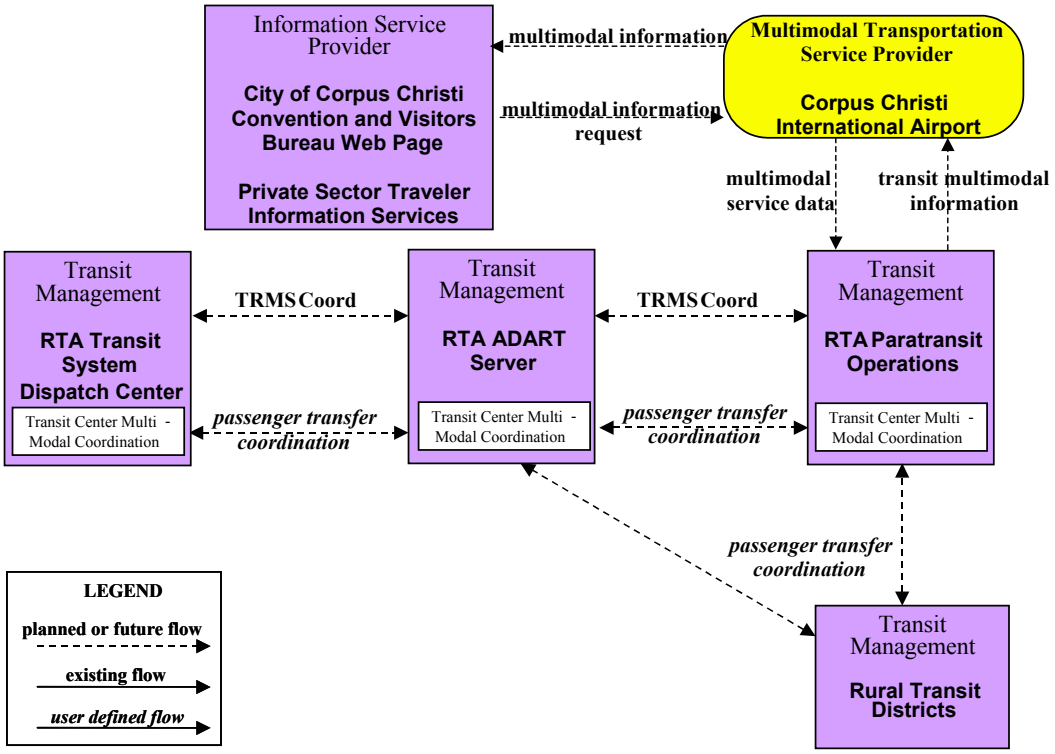


Figure A71 – APTS8 – Transit Traveler Information: RTA Transit

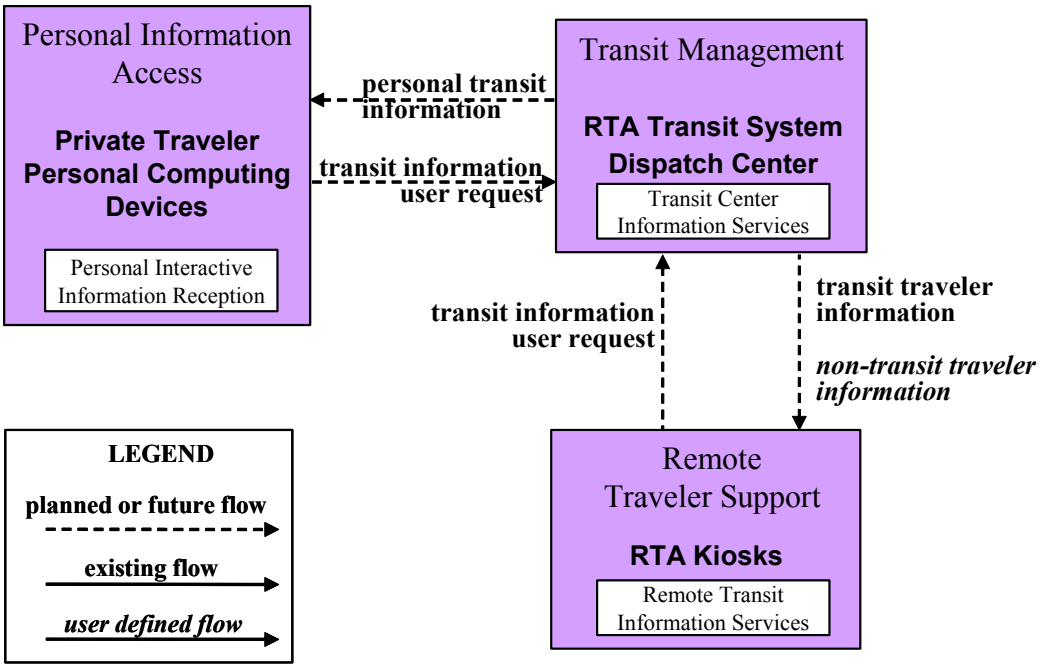


Figure A72 – APTS8 – Transit Traveler Information: RTA ADART

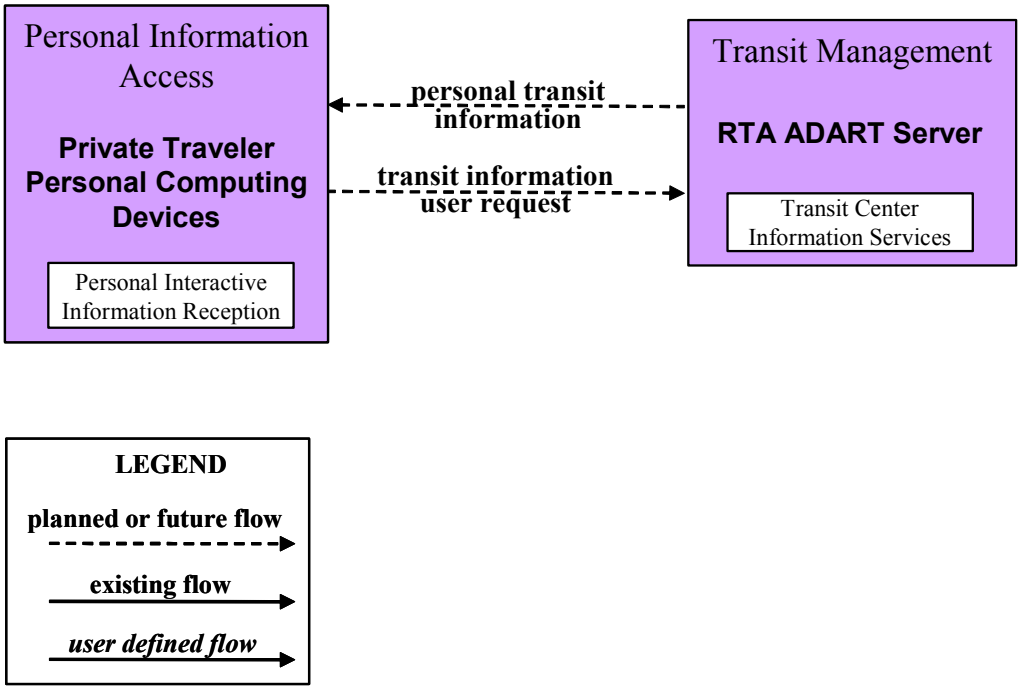


Figure A73 – CVO10 Hazmat Management: Commercial Vehicle Operations

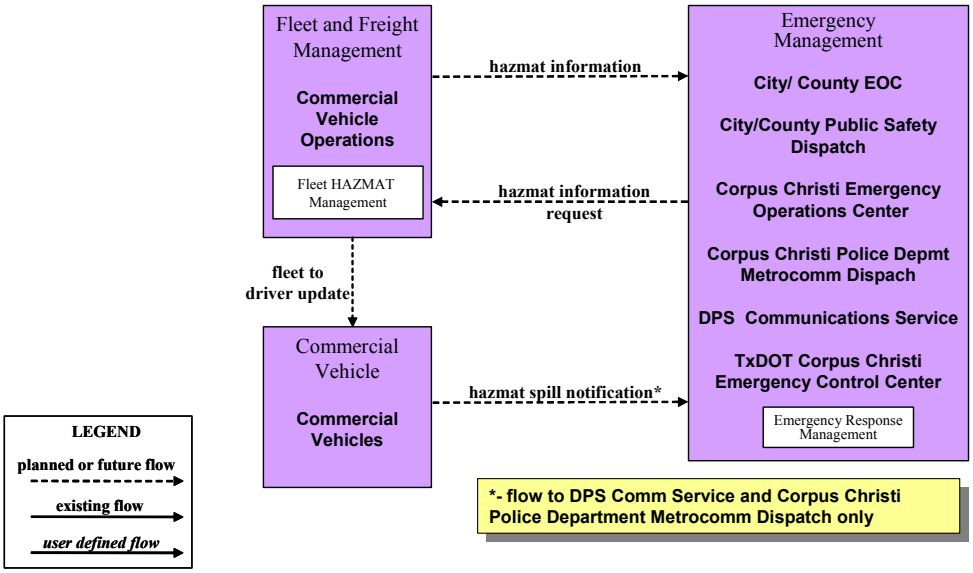


Figure A74 – ATIS1 – Broadcast Traveler Information: TxDOT Corpus Christi District Webpage (Inputs)

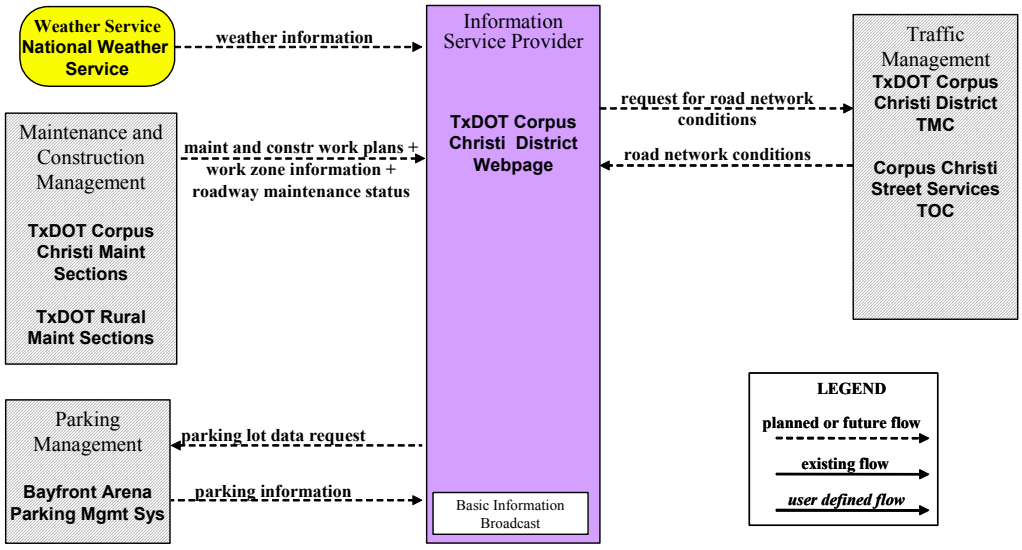


**Figure A75 – ATIS1 – Broadcast Traveler Information:
TxDOT Corpus Christi District Webpage/TMC (Outputs)**

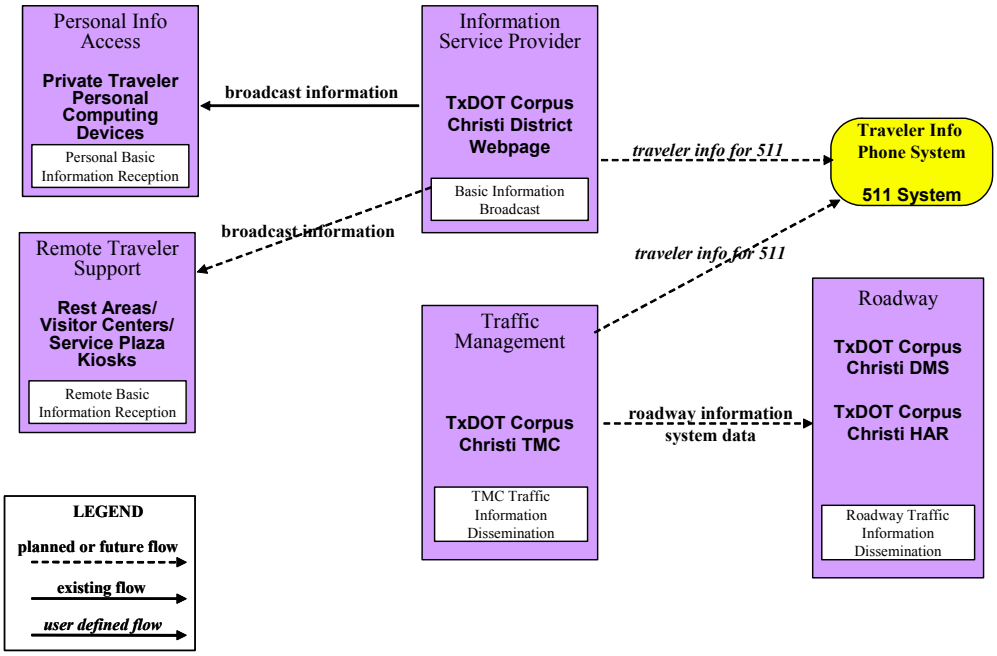


**Figure A76 – ATIS1 – Broadcast Traveler Information:
TxDOT Corpus Christi Public Information Office**

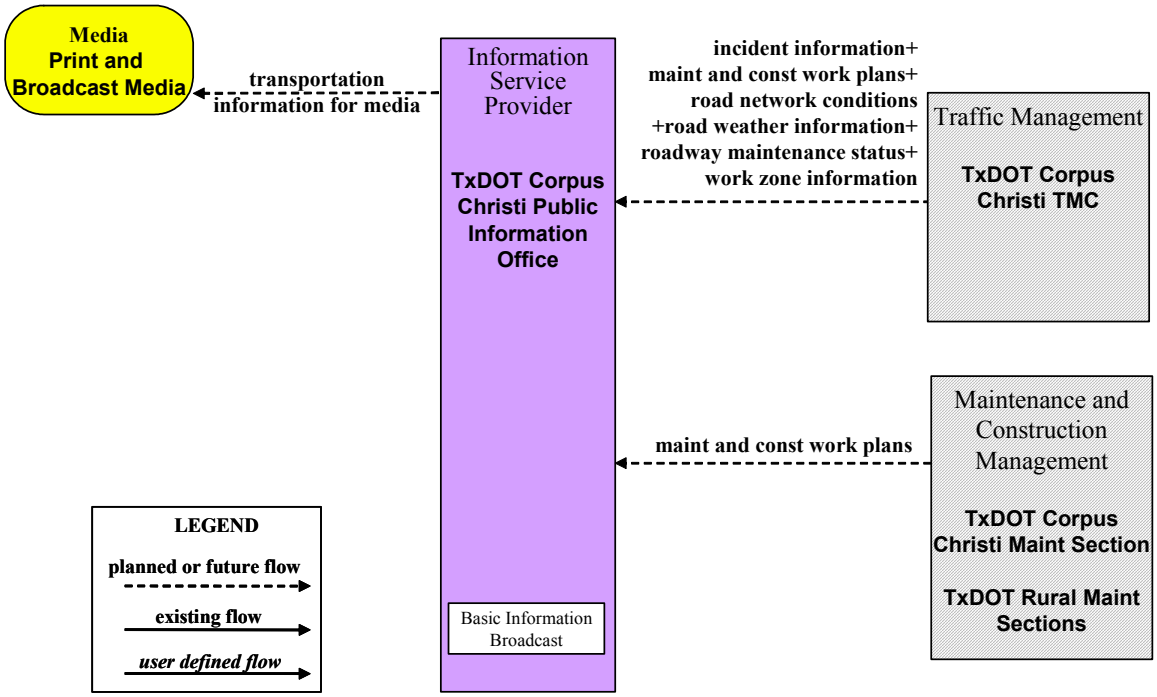


Figure A77 – ATIS5 – ISP Based Route Guidance:
TxDOT Motor Carrier Routing Information

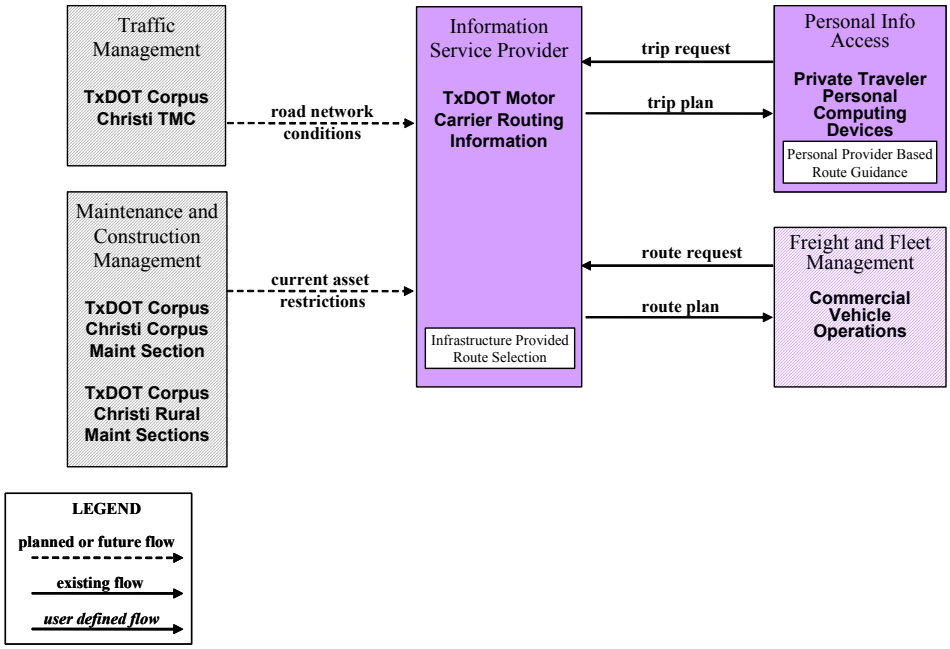


Figure A78 – AD1 – ITS Data Mart:
TxDOT Crash Record Information Systems

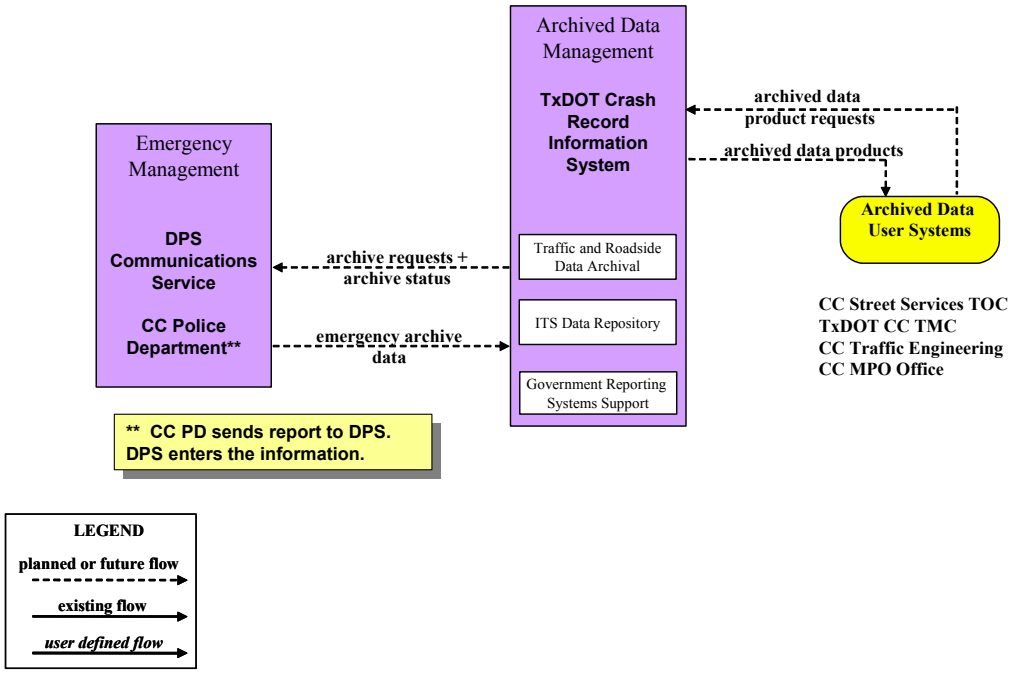


Figure A79 – AD1 – ITS Data Mart:
TxDOT Planning STARS Systems

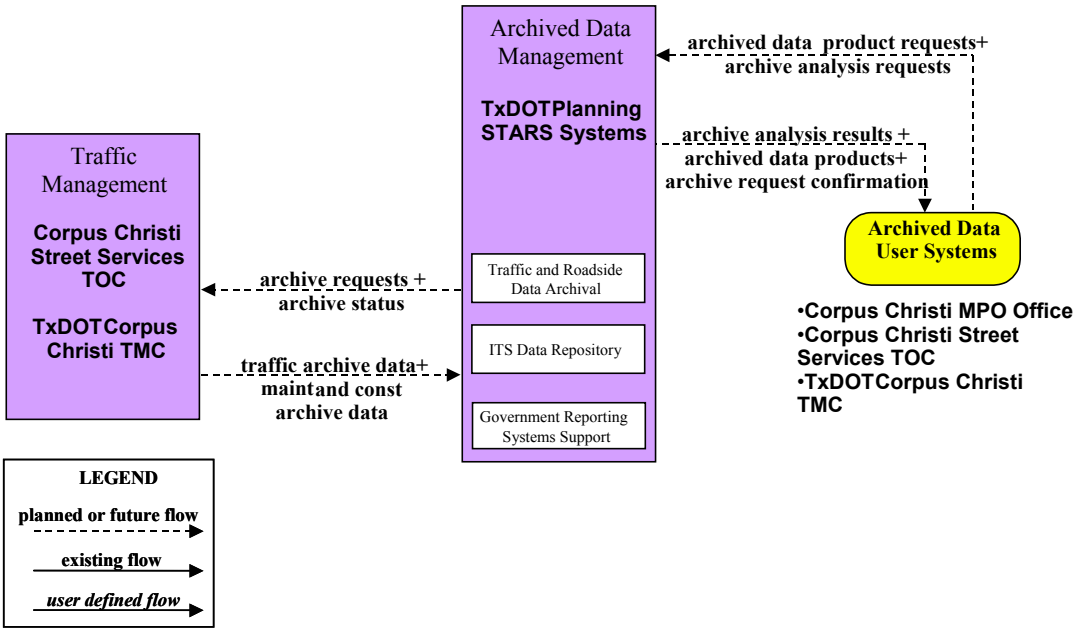


Figure A80 – AD2 – ITS Data Warehouse:
Regional Data Warehouse

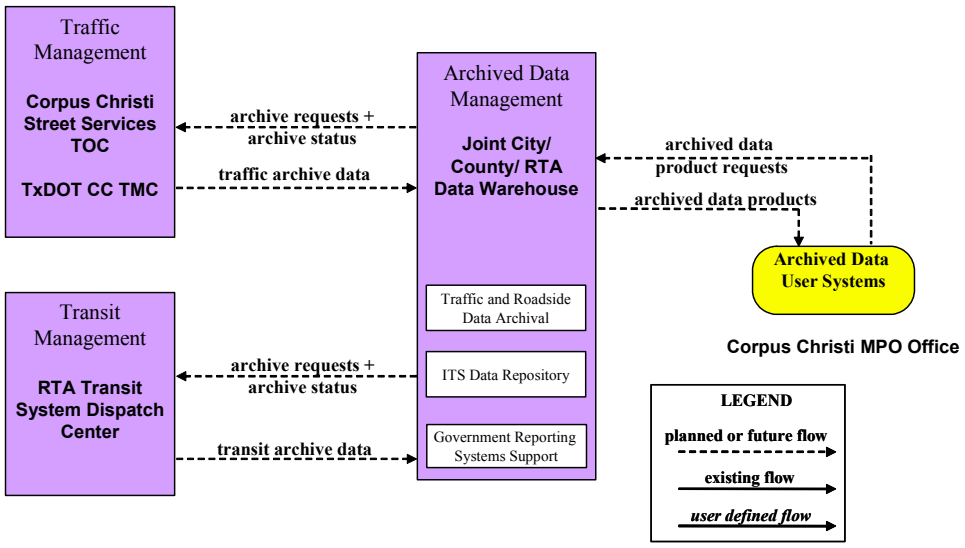


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Figure B1 – 511 System Interfaces

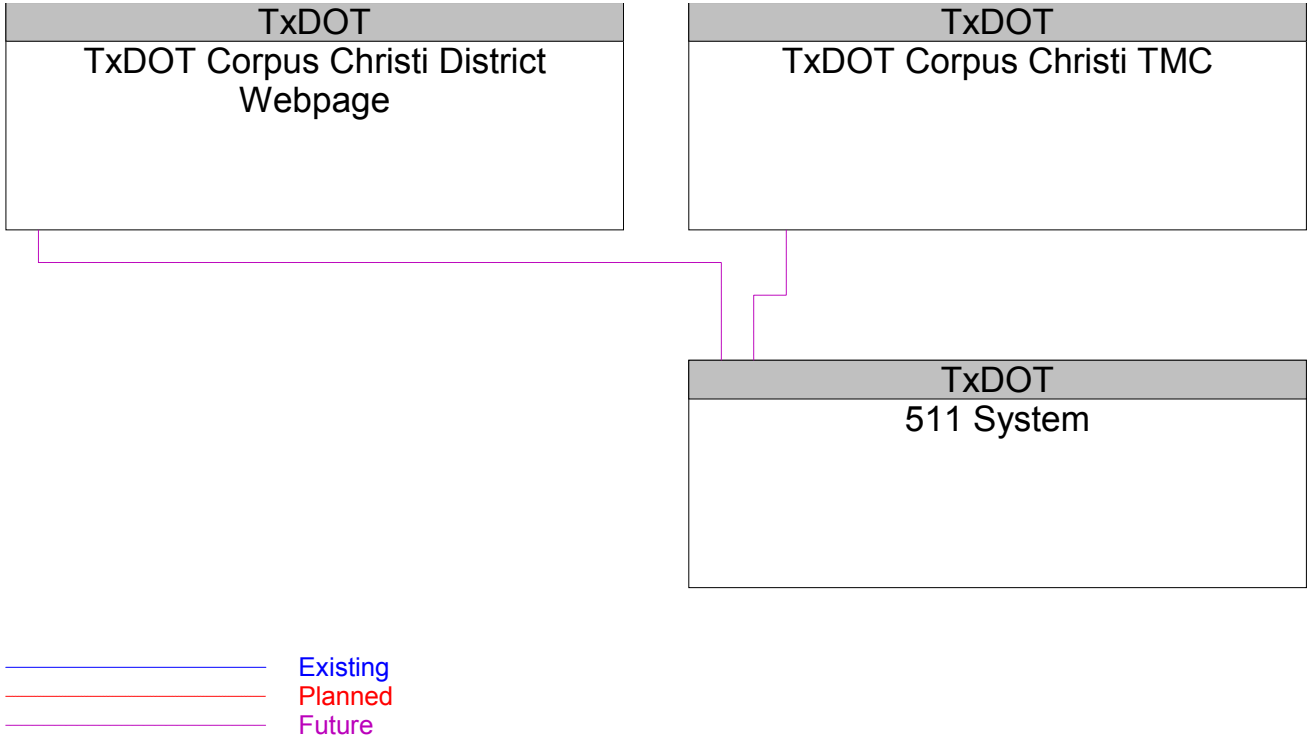

Figure B2 – Bayfront Arena Parking System Interfaces

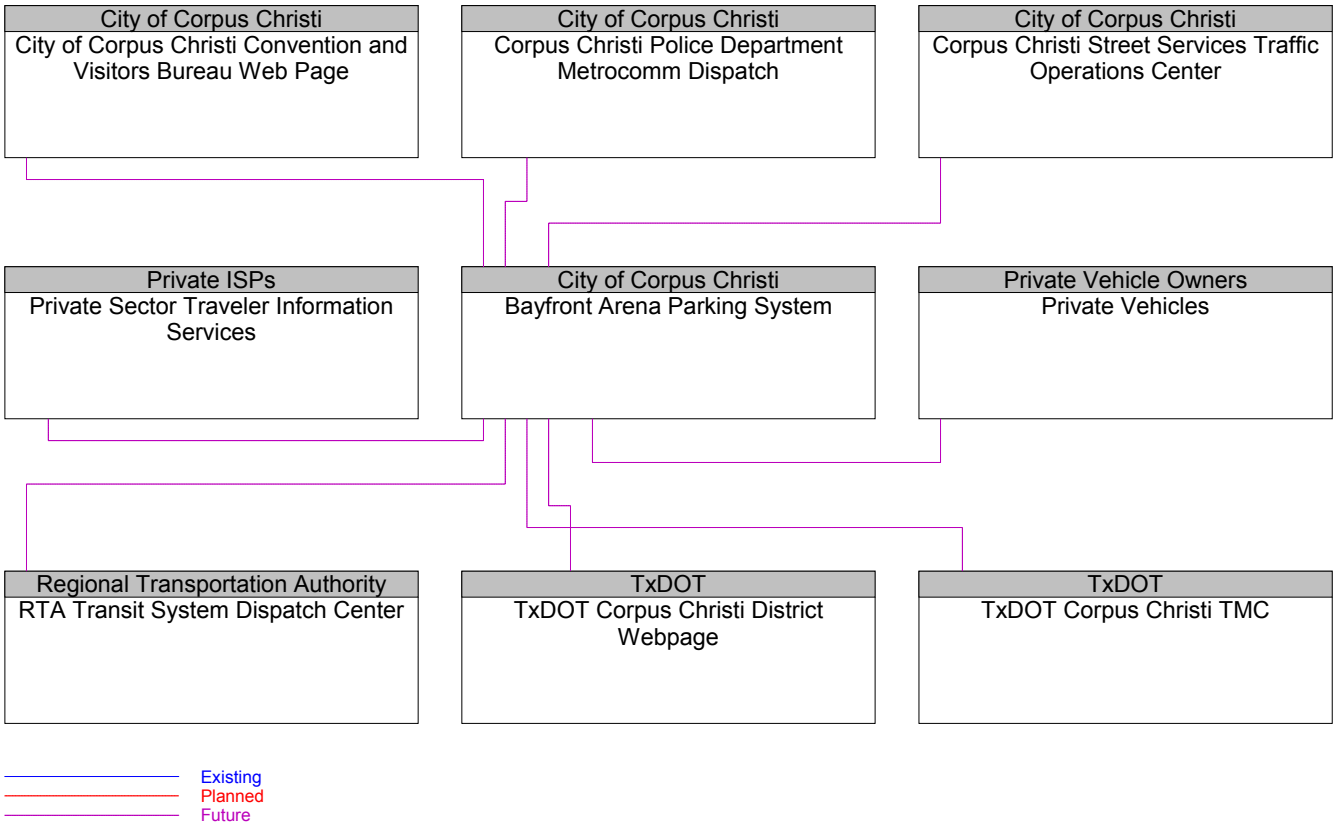

Figure B3 – BRINSAP – Bridge Inventory Inspection System Interfaces

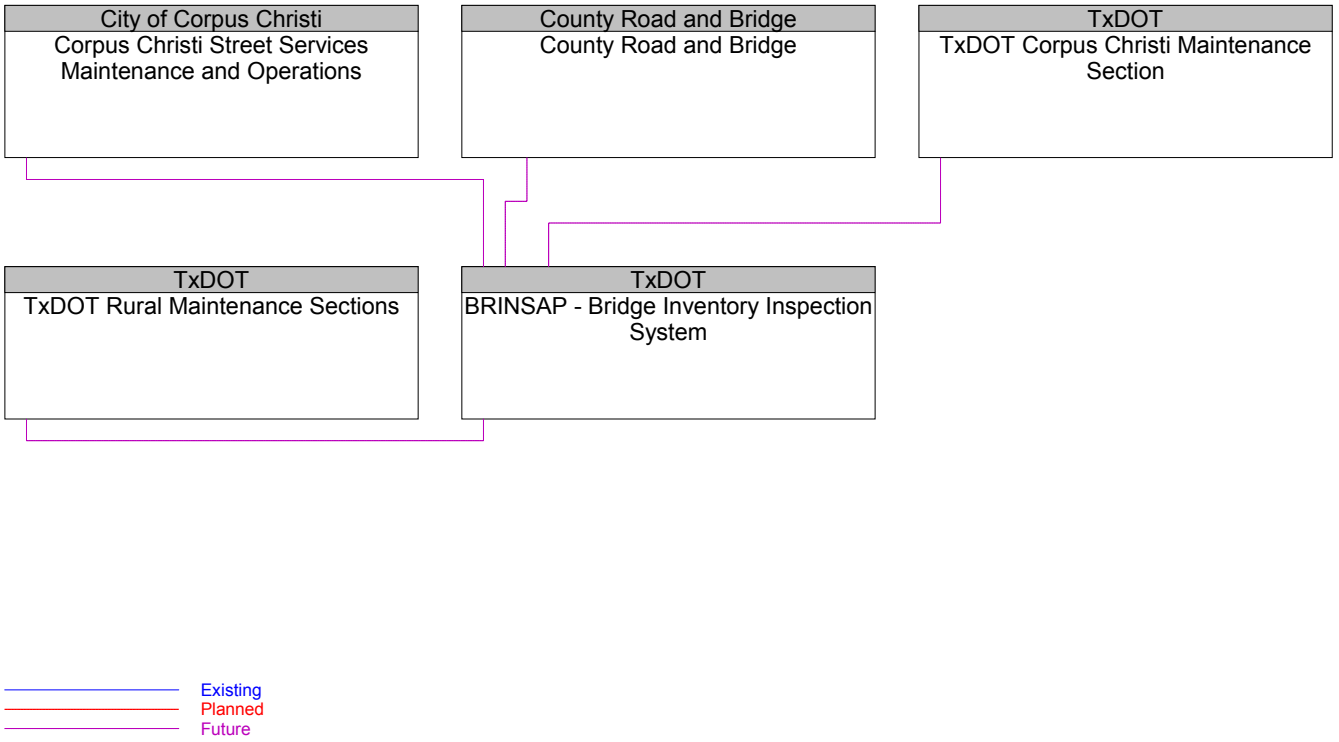

Figure B4 – Christus Spohn Memorial Hospital Interfaces

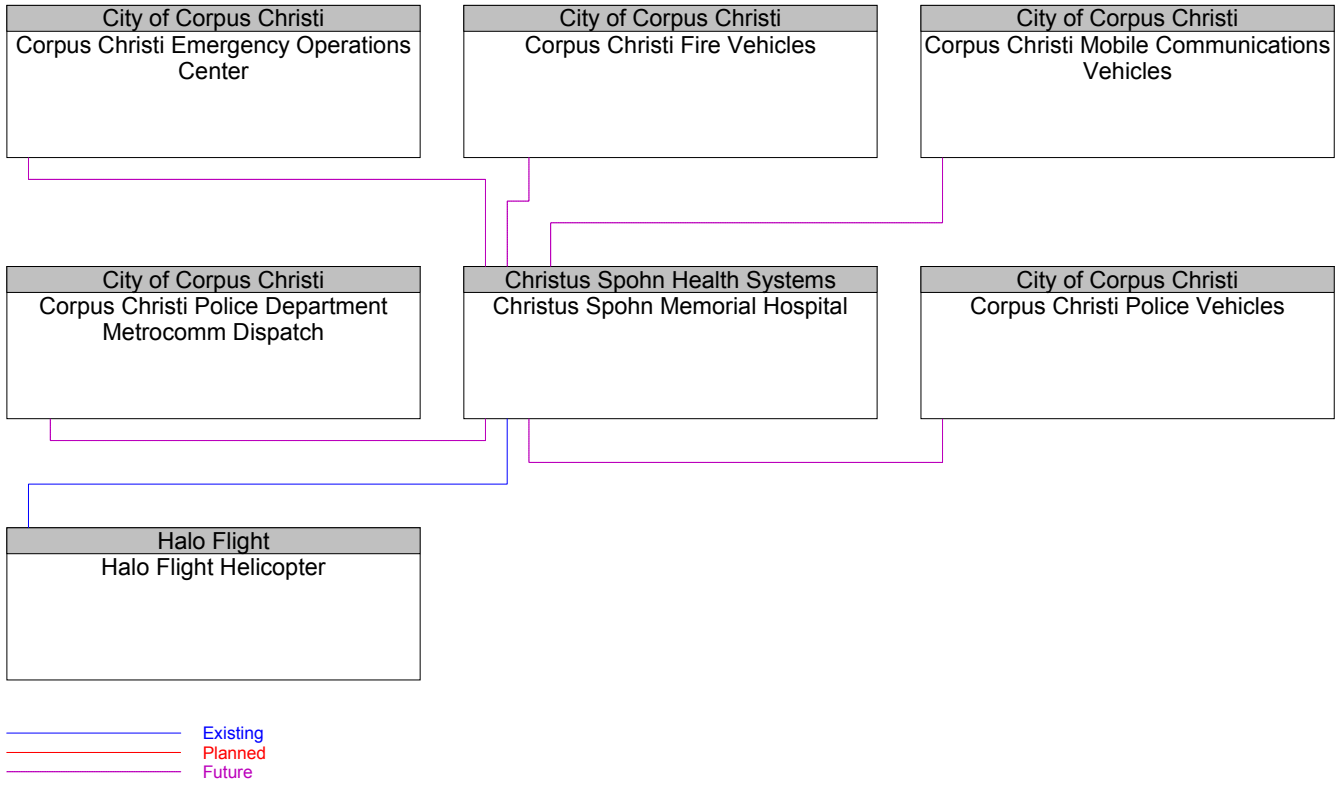

Figure B5 – City of Corpus Christi Convention and Visitors Bureau Web Page Interfaces

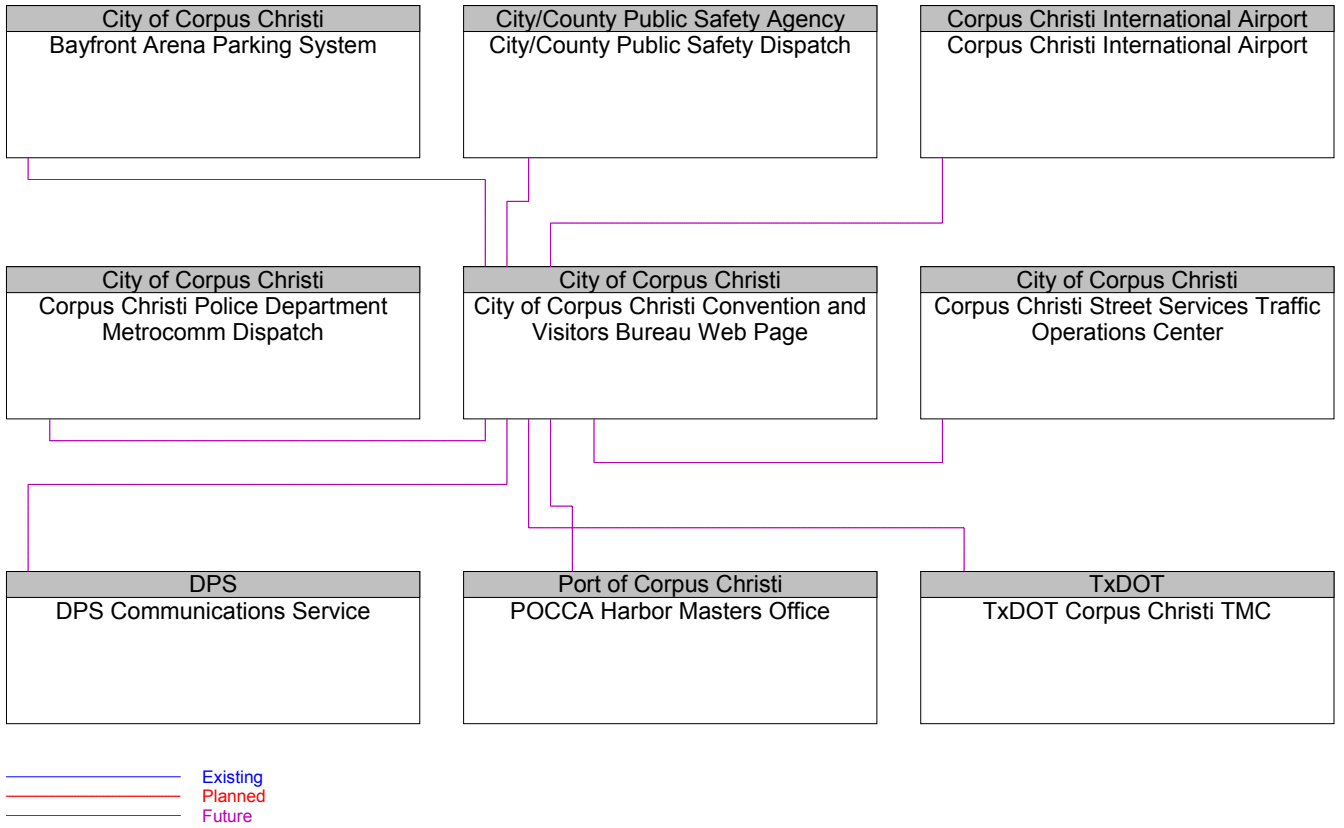

Figure B6 – City of Corpus Christi Field Equipment Interfaces

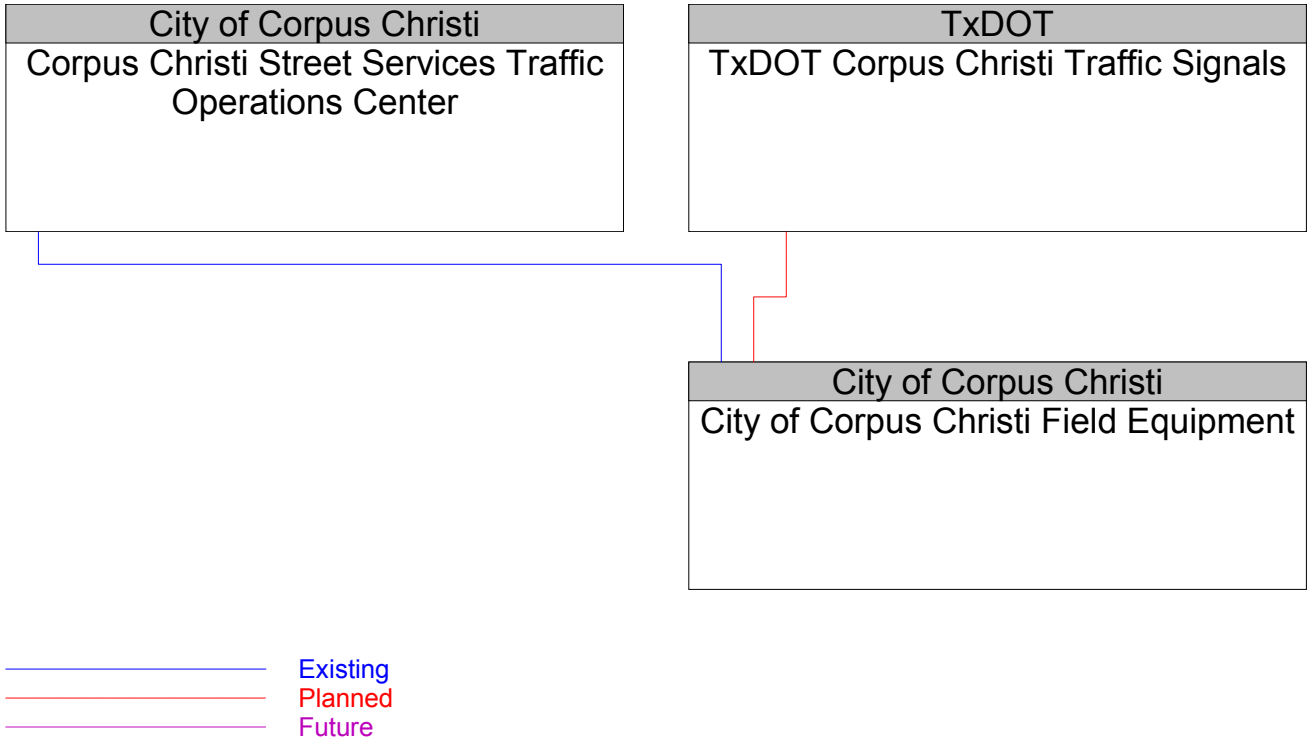

Figure B7 – City of Corpus Christi Field Sensors Interfaces

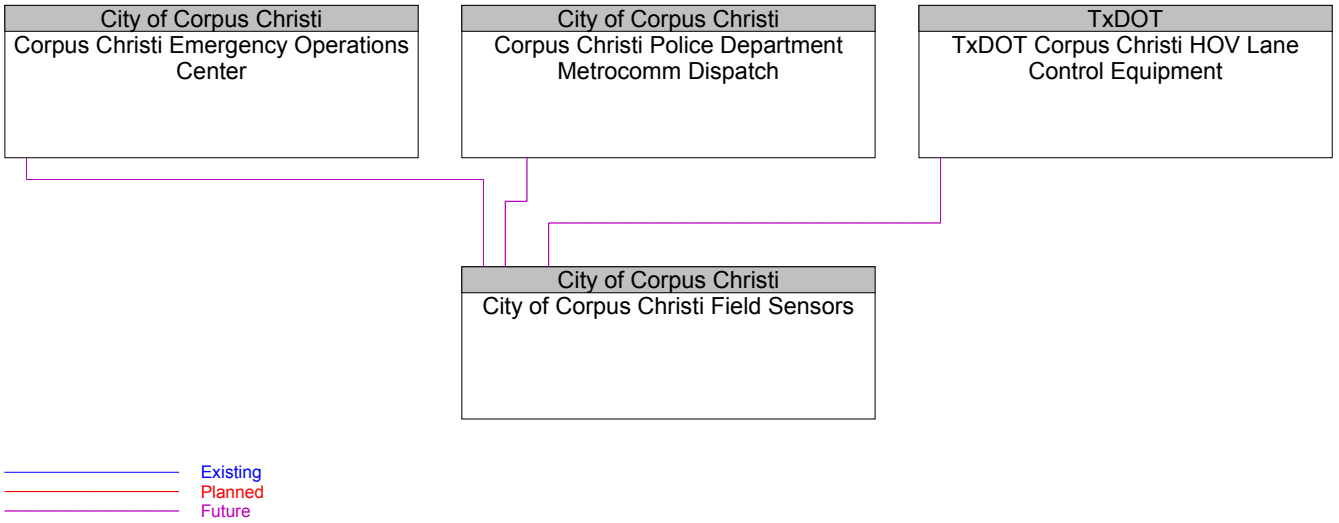

Figure B8 – City/County EOC Interfaces

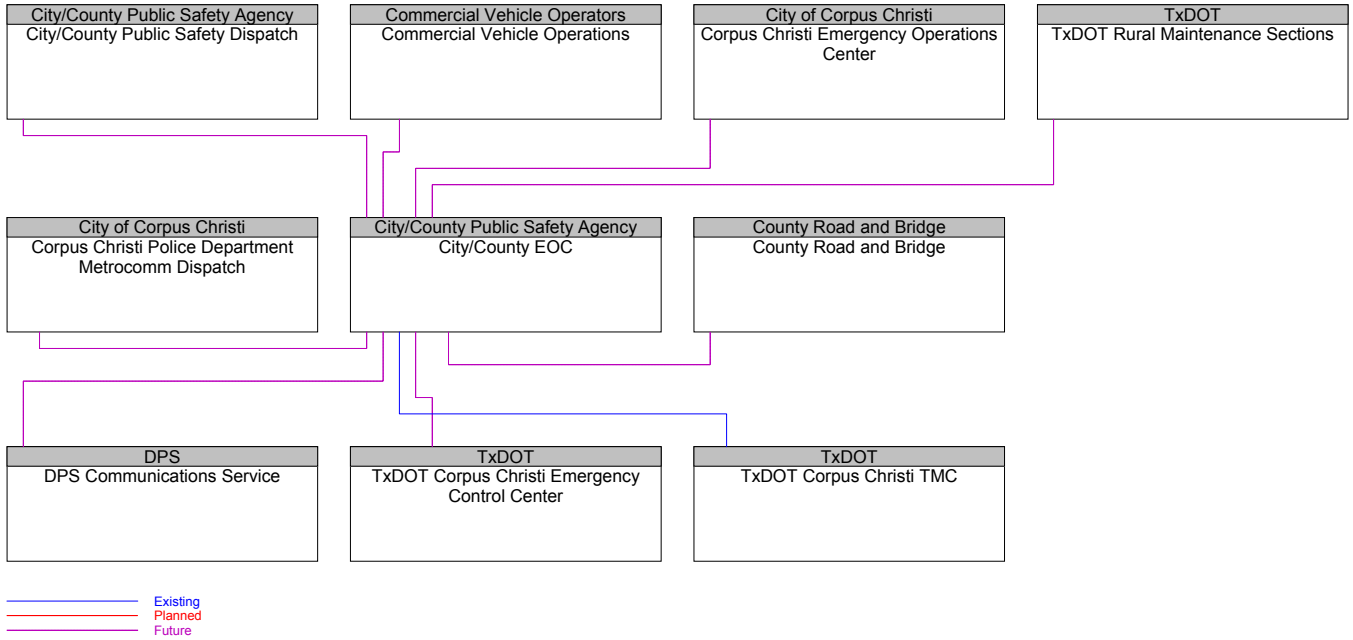

Figure B9 – City/County Public Safety Dispatch Interfaces

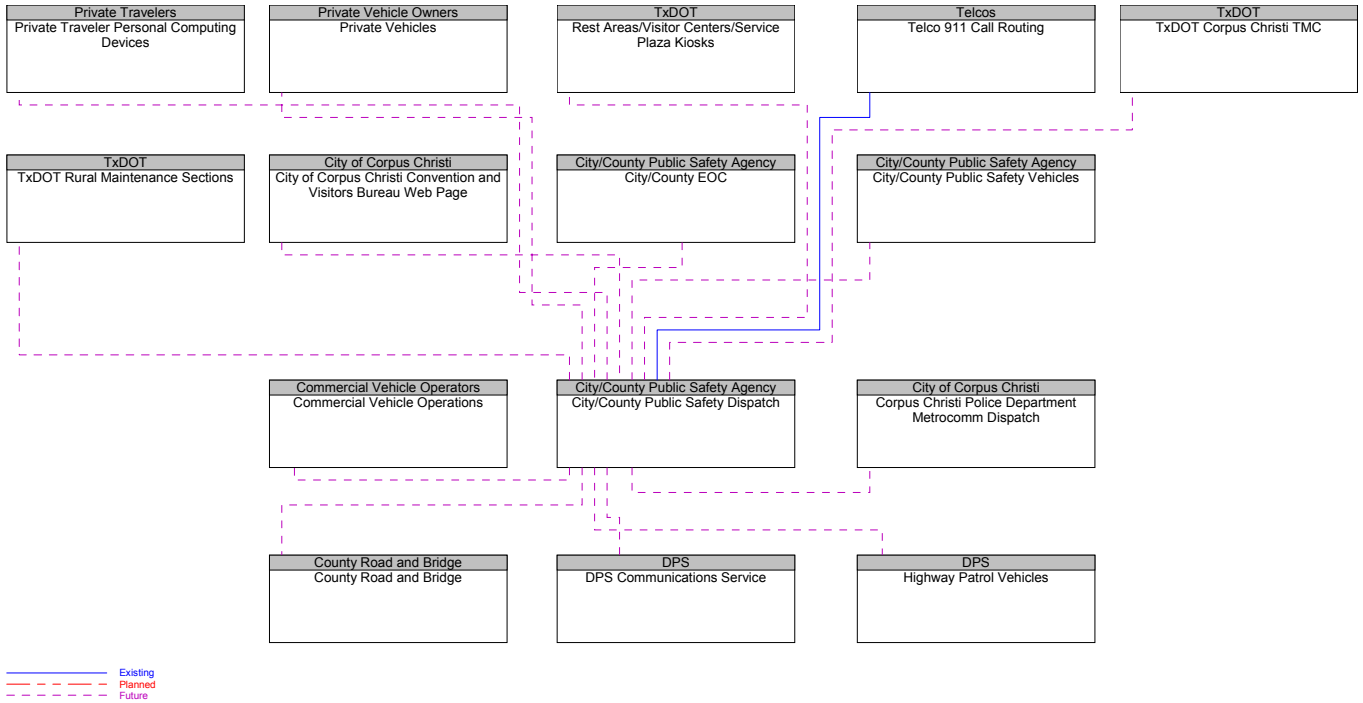

Figure B10 – City/County Public Safety Vehicles Interfaces

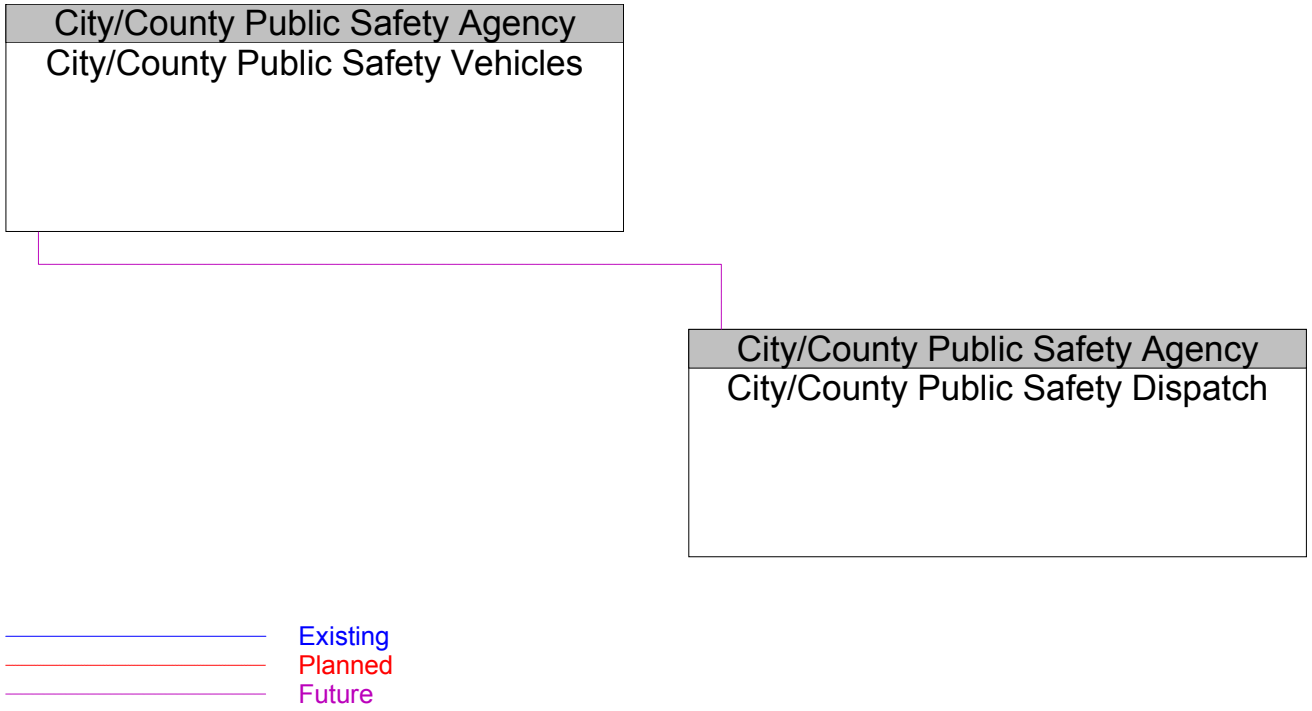

Figure B11 – Coast Guard Marine Safety Office Interfaces

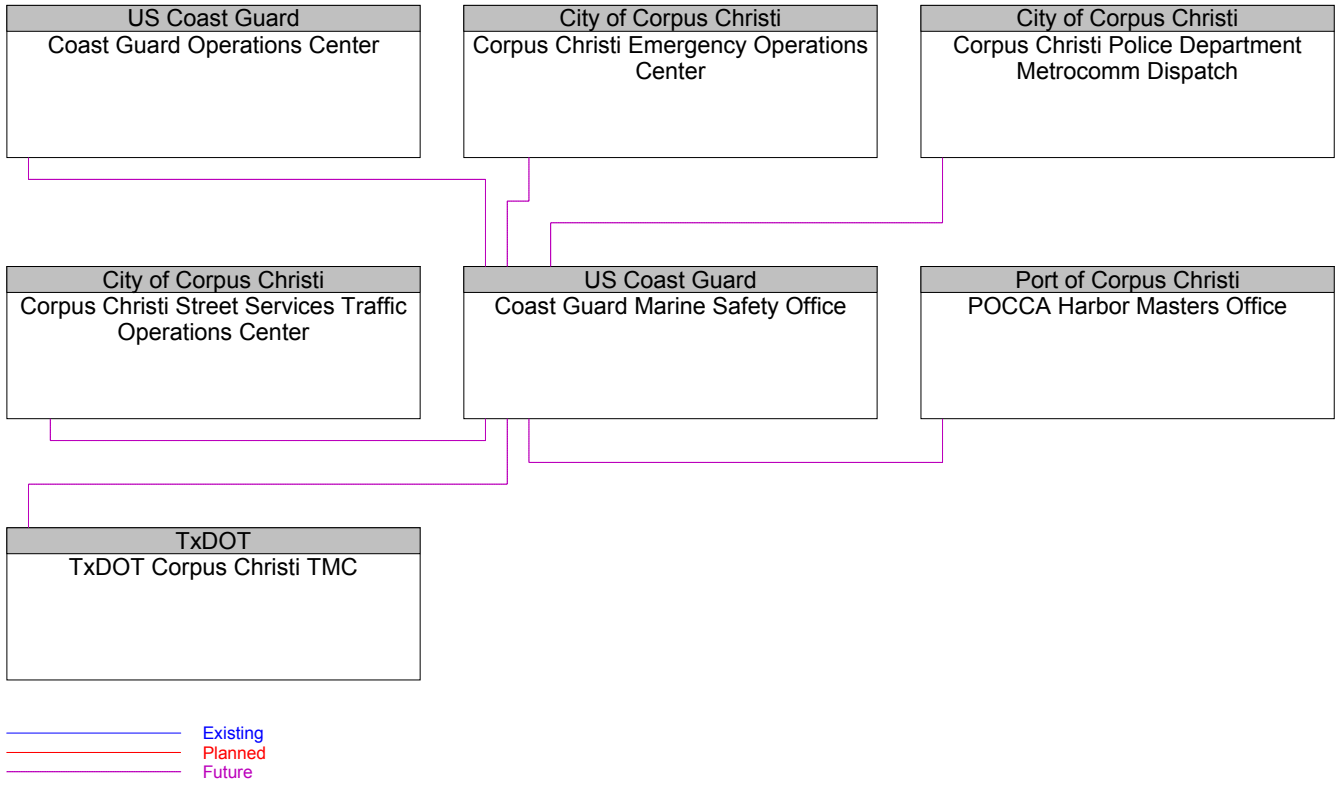

Figure B12 – Coast Guard Operations Center Interfaces

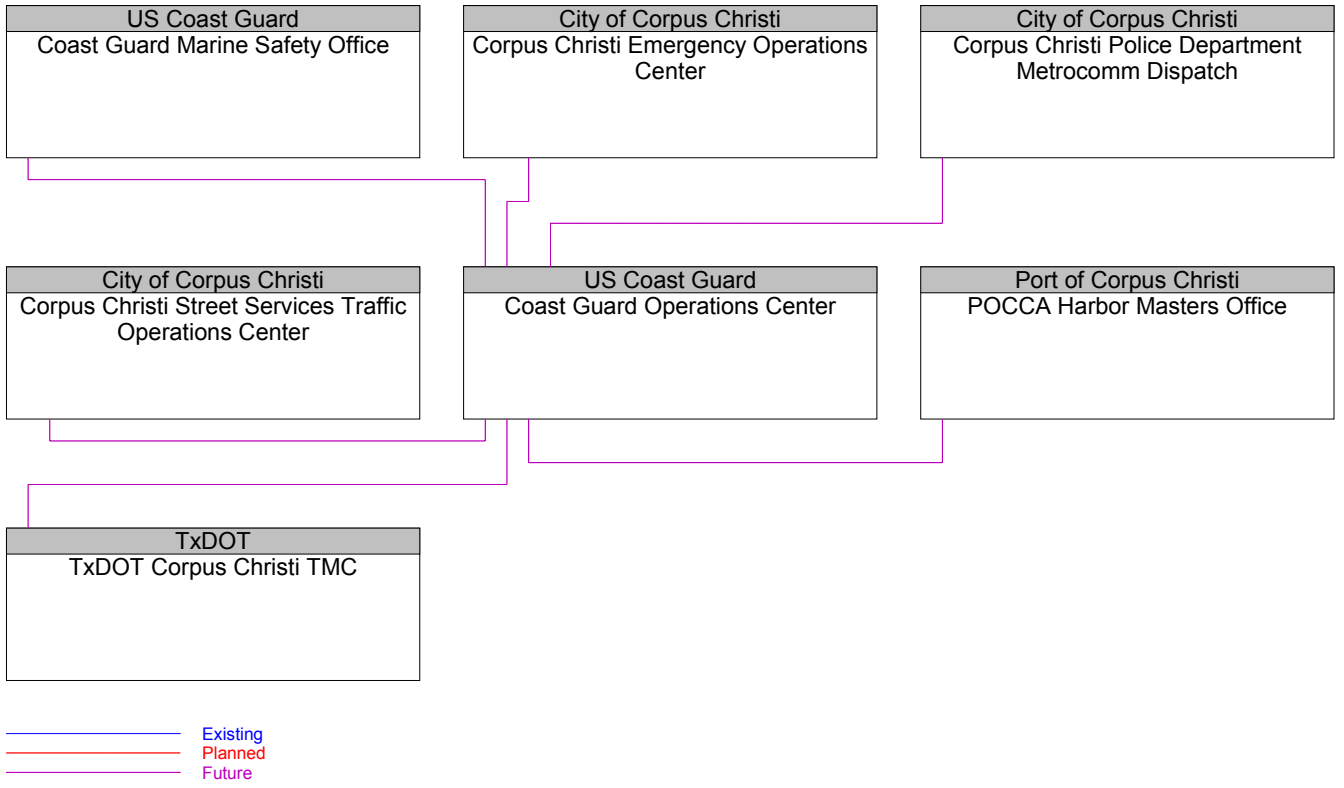

Figure B13 – Commercial Vehicle Operations Interfaces

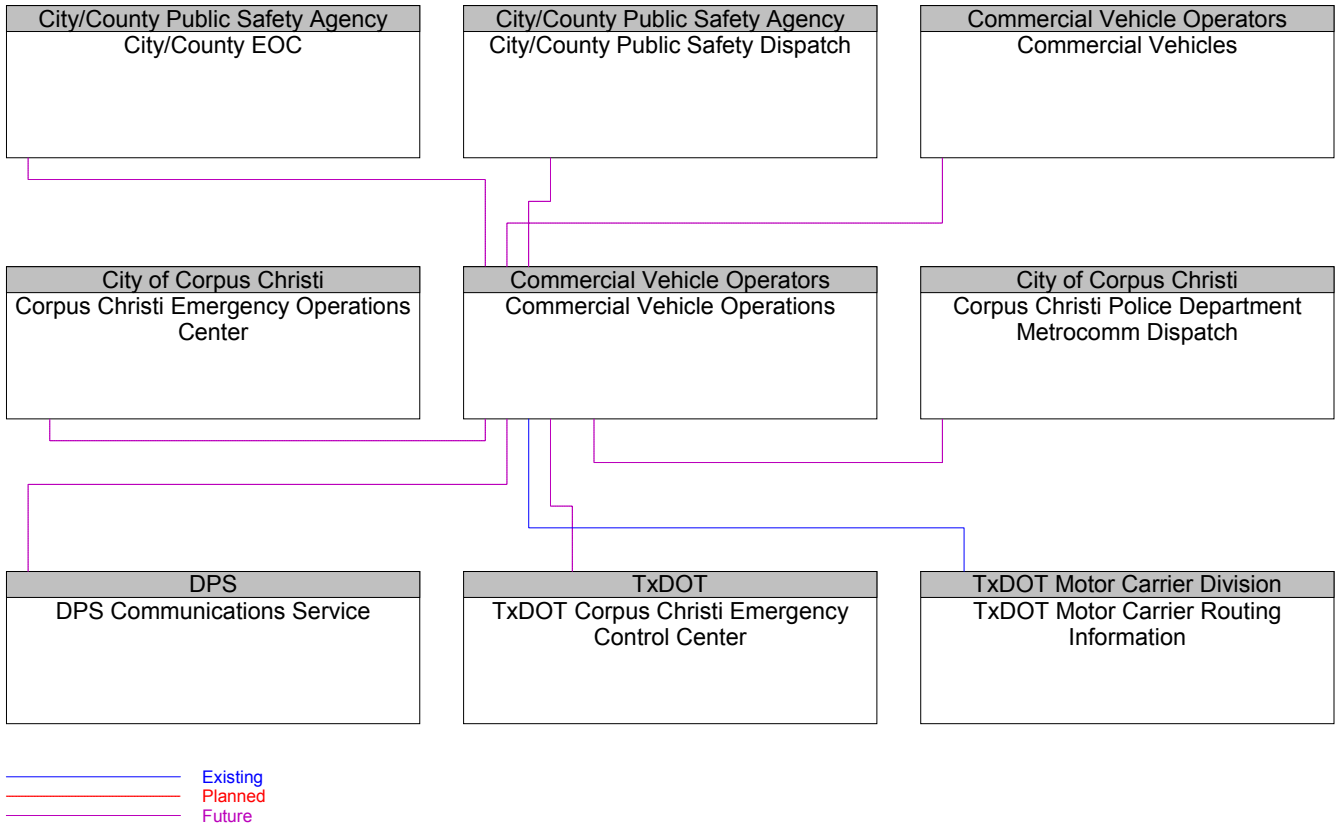

Figure B14 – Commercial Vehicles Interfaces

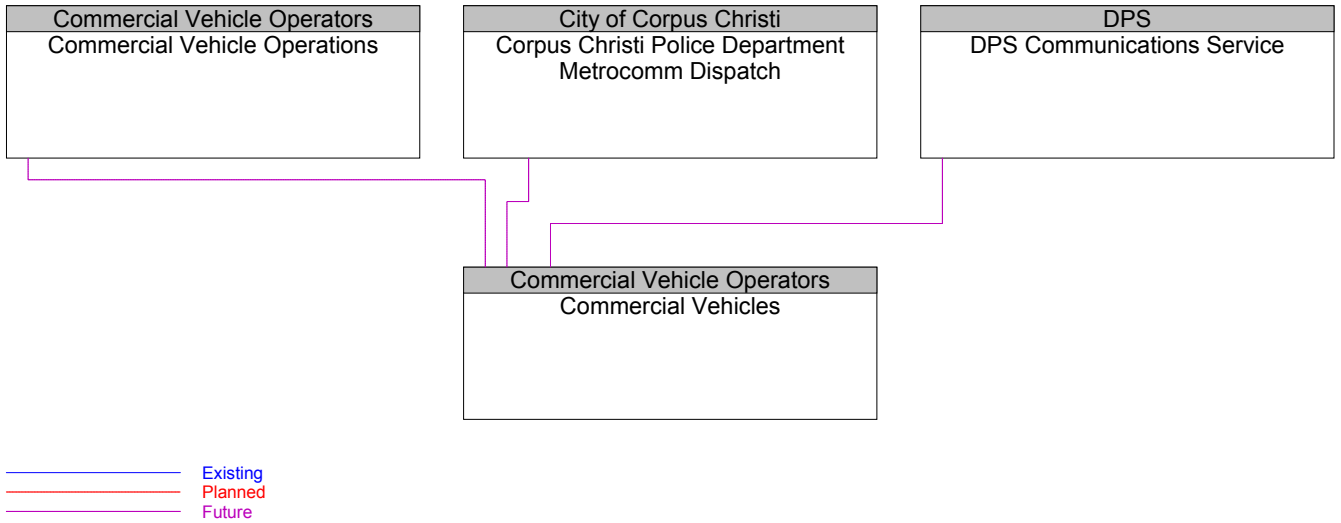

Figure B15 – Corpus Christi Emergency Operations Center Interfaces

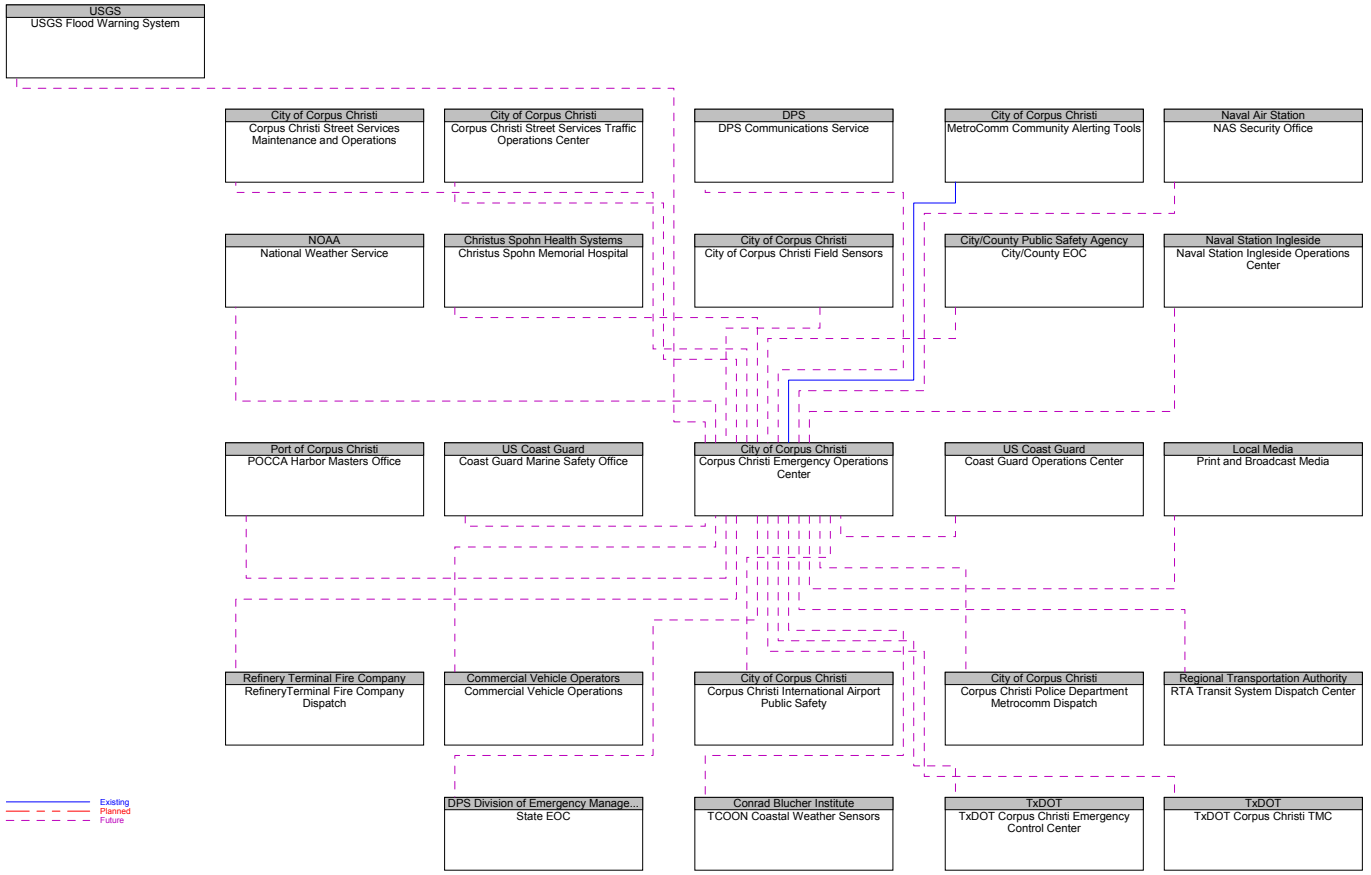

Figure B16 – Corpus Christi Fire Vehicles Interfaces

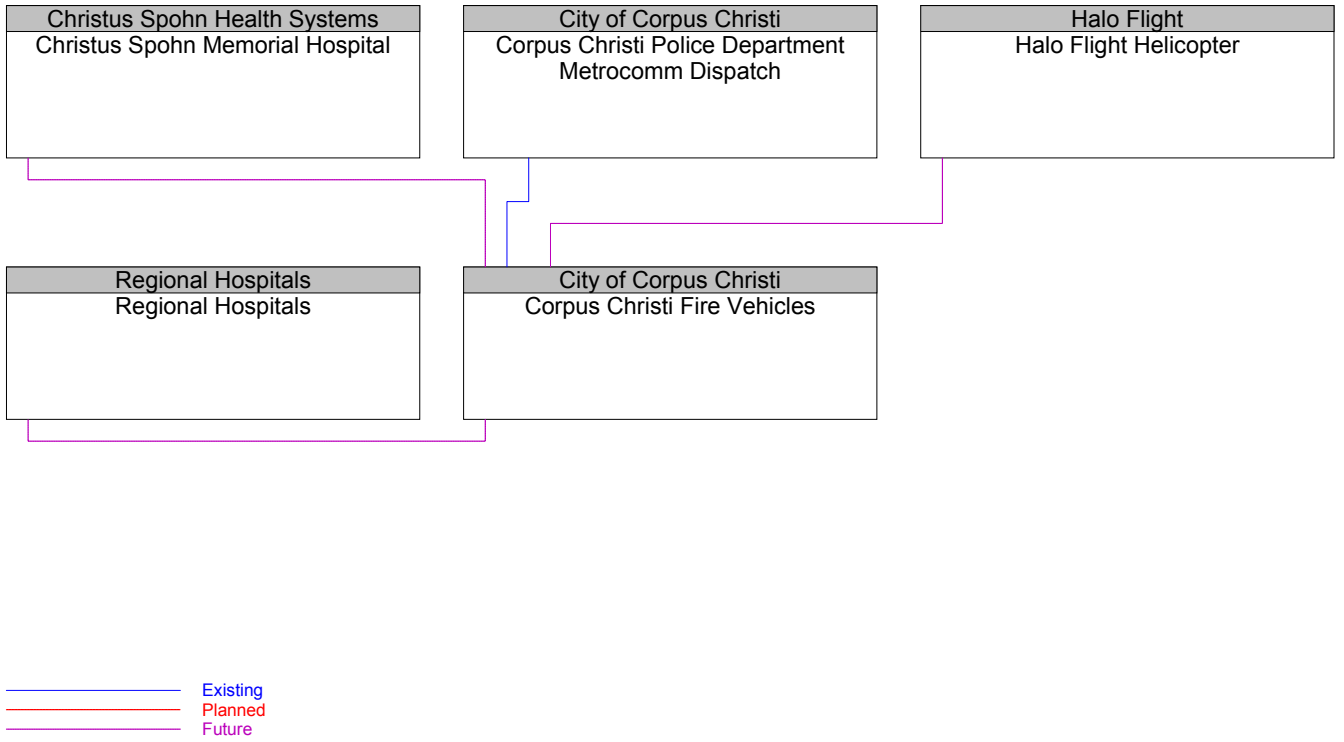

Figure B17 – Corpus Christi Fleet Maintenance Interfaces

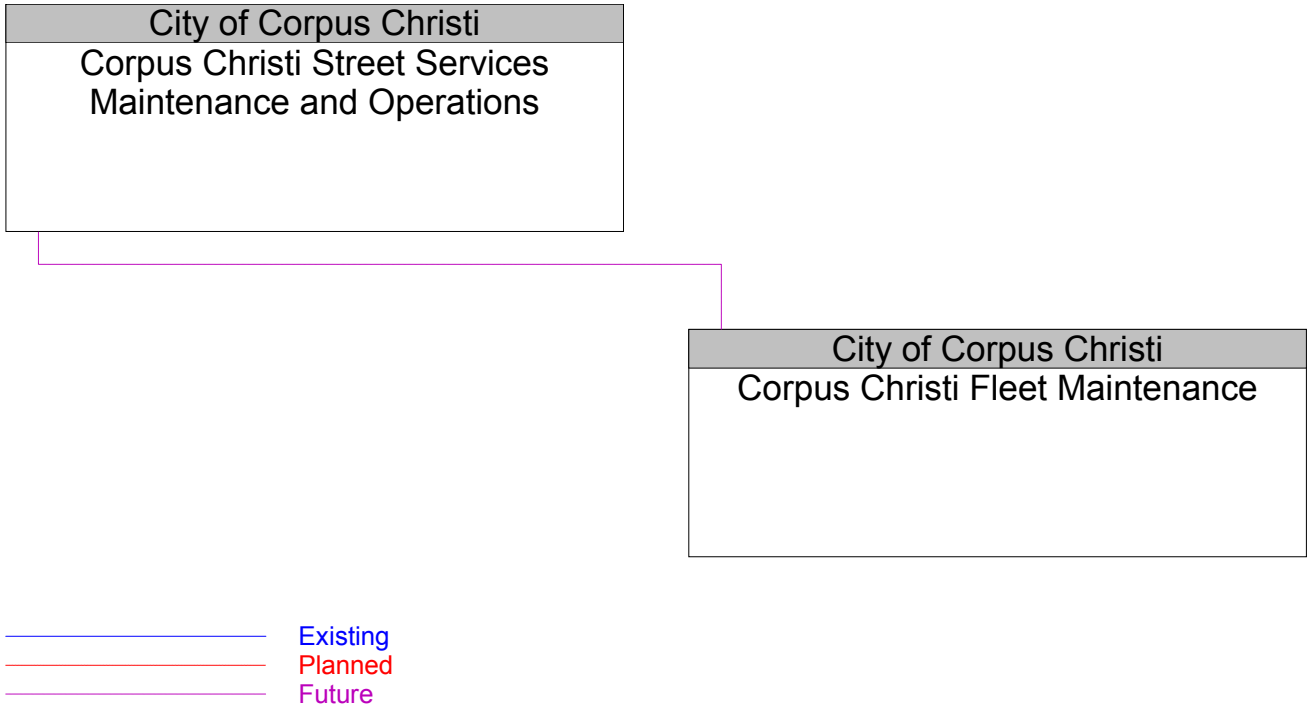

Figure B18 – Corpus Christi International Airport Interfaces

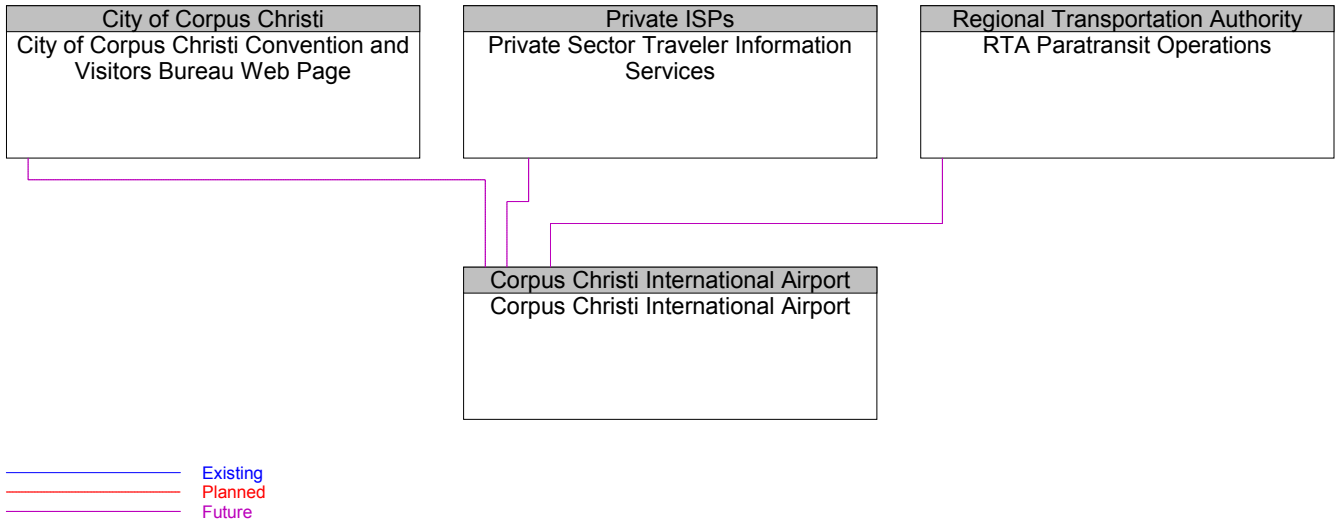

Figure B19 – Corpus Christi International Airport Public Safety Interfaces

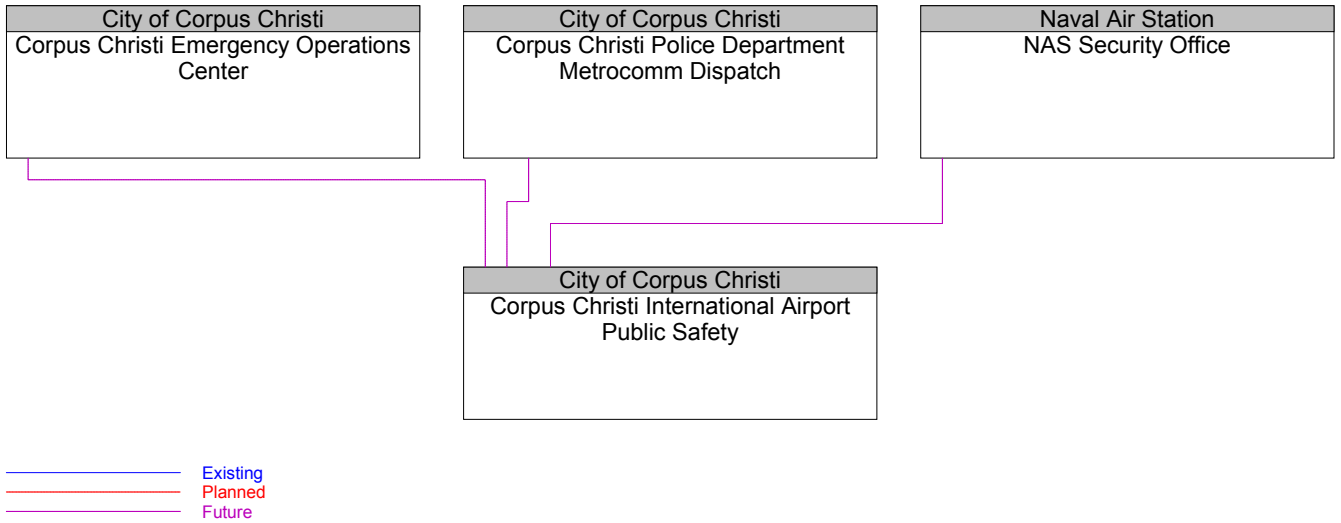

Figure B20 – Corpus Christi Mobile Communications Vehicles Interfaces

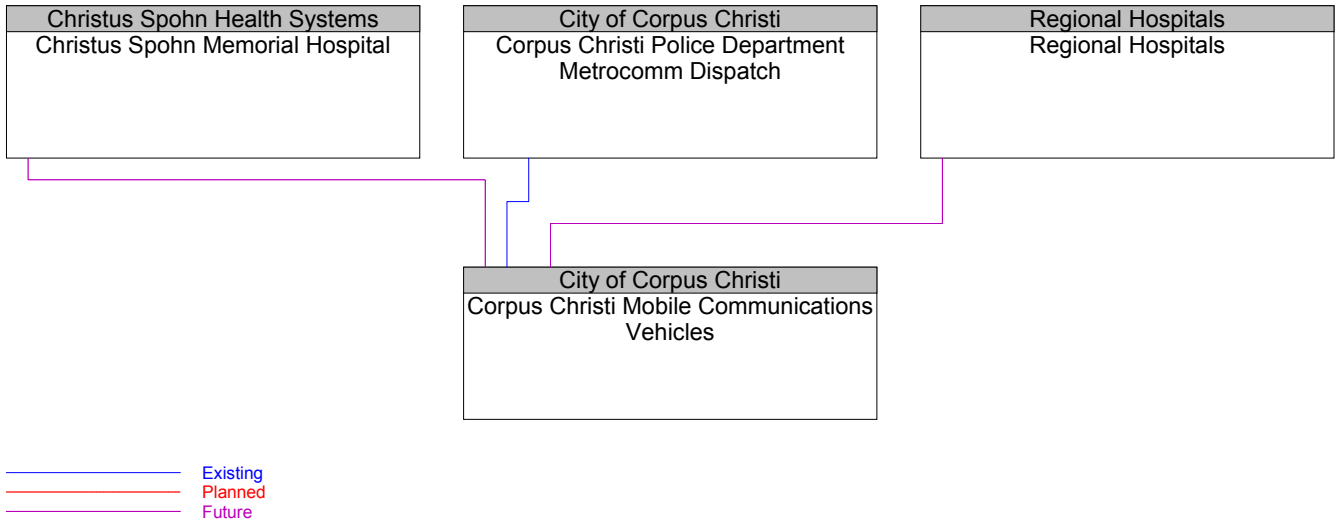

Figure B21 – Corpus Christi MPO Office Interfaces

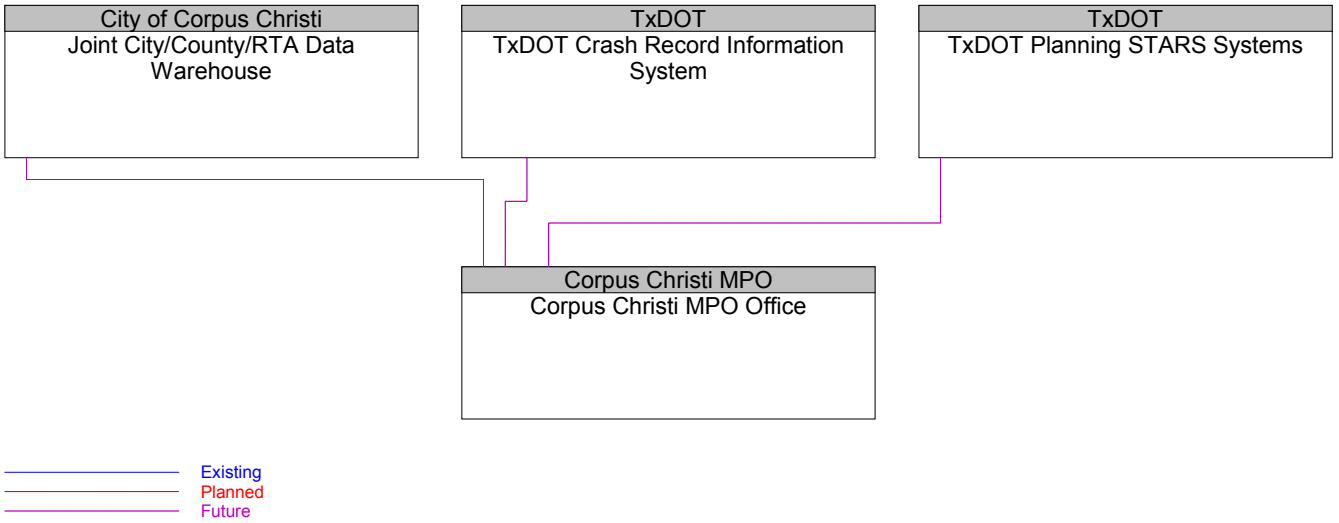

Figure B22 – Corpus Christi Office of Environmental Programs Interfaces

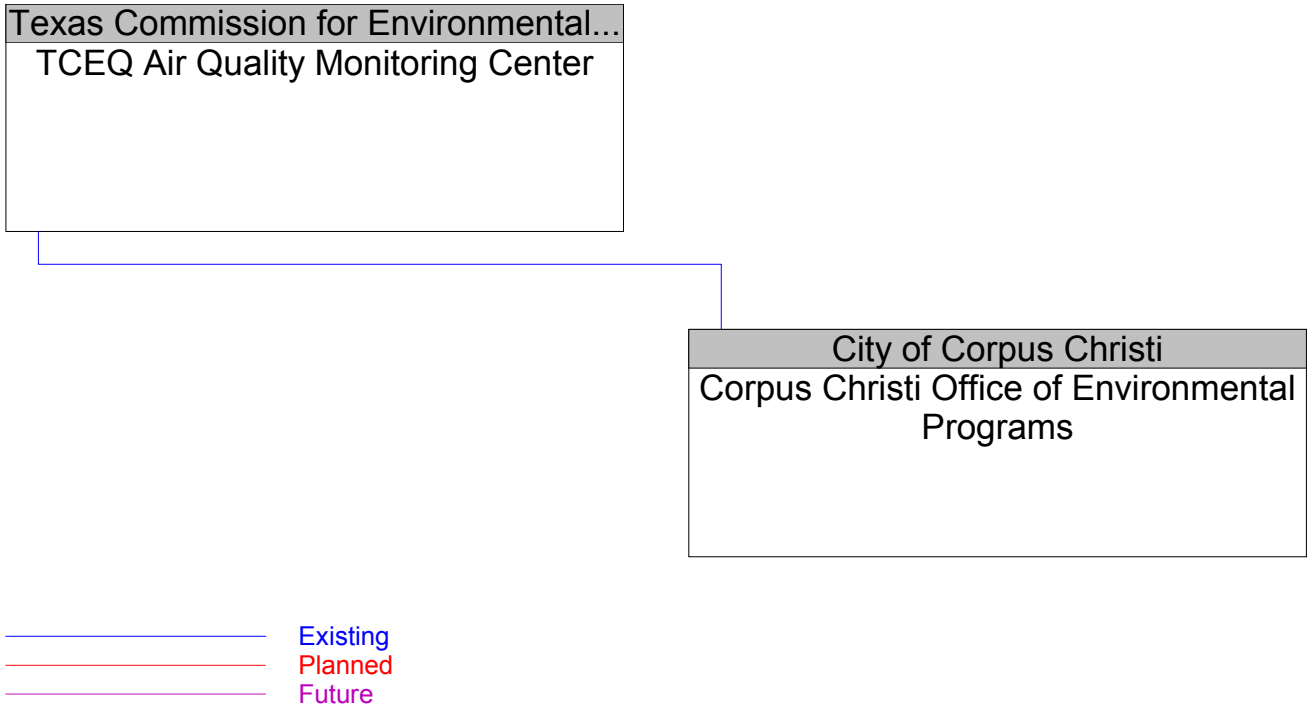

Figure B23 – Corpus Christi Police Department Metrocomm Dispatch Interfaces

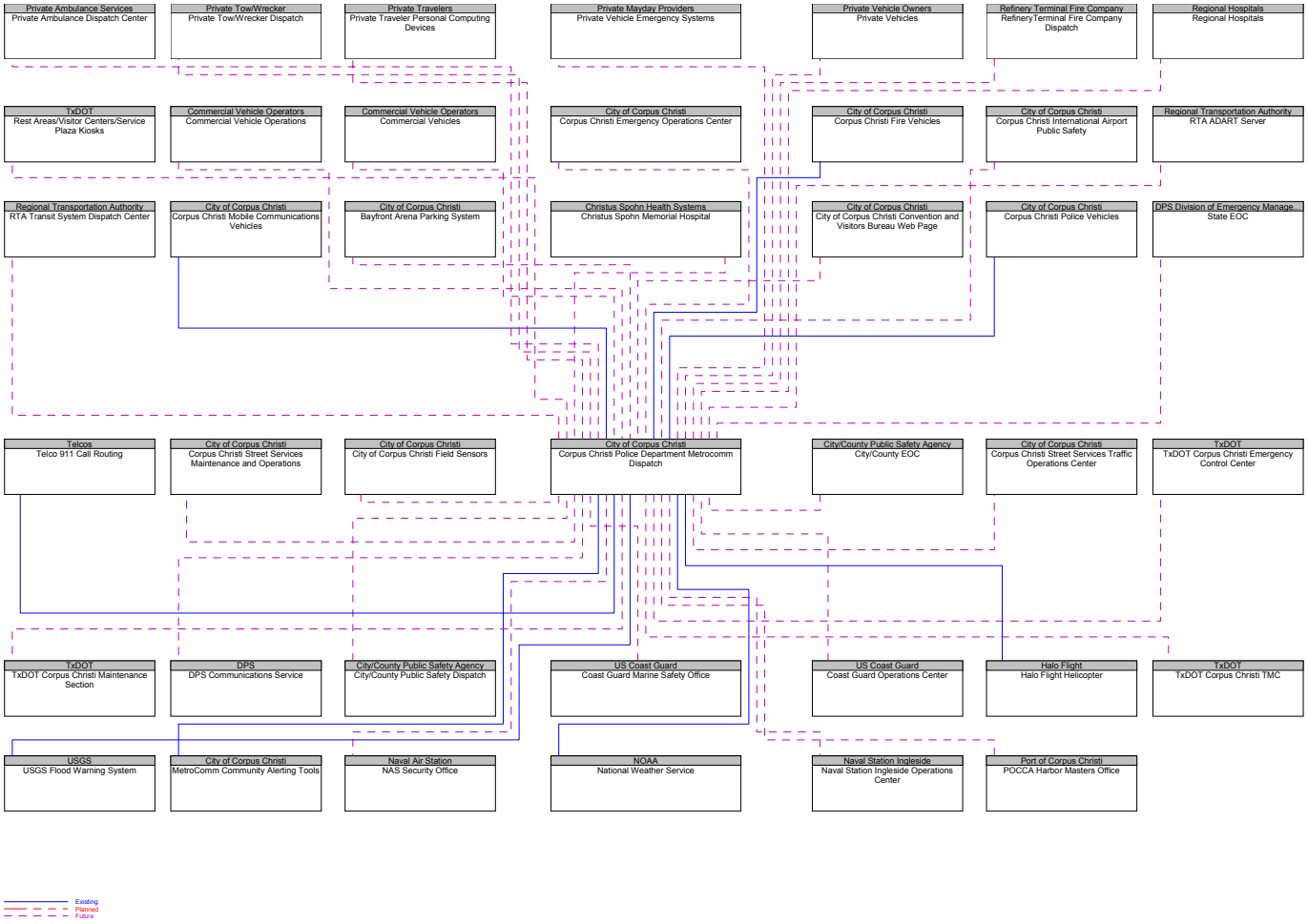

Figure B24 – Corpus Christi Police Vehicles Interfaces

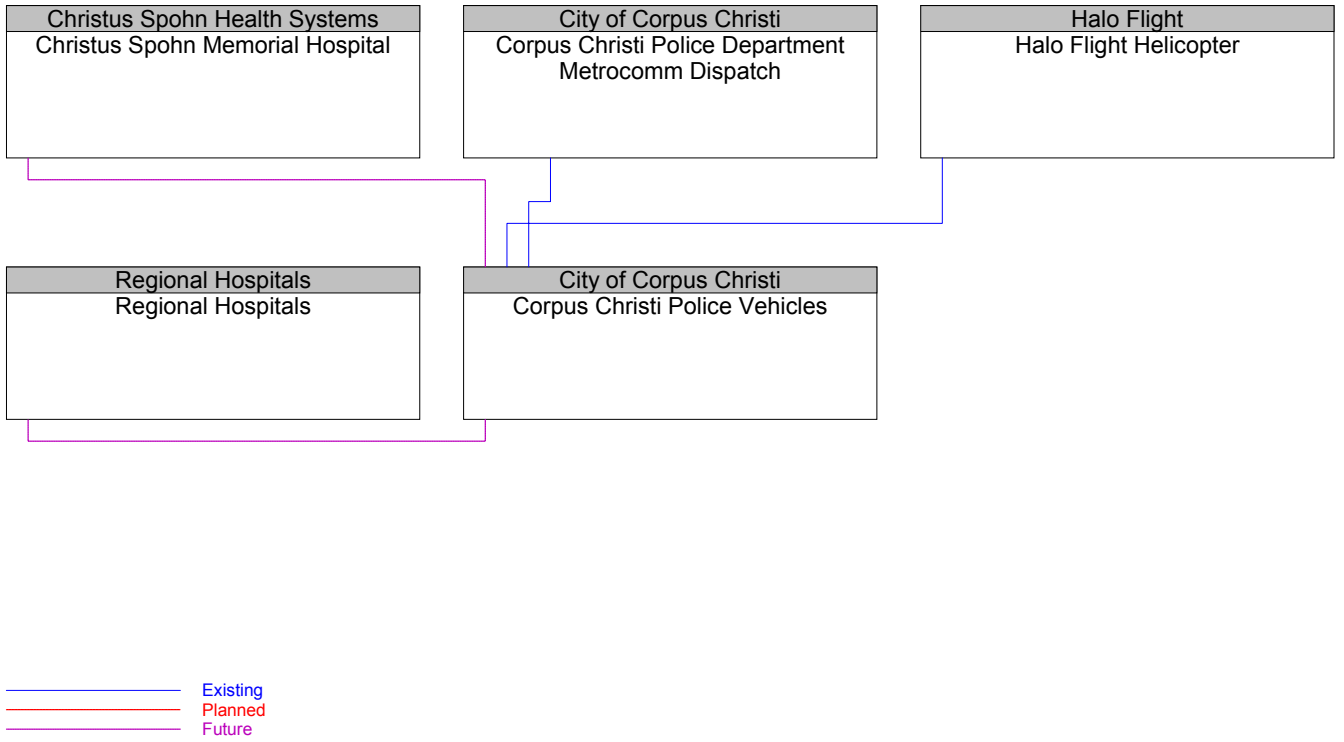

Figure B25 – Corpus Christi Street Services Maintenance and Operations Interfaces

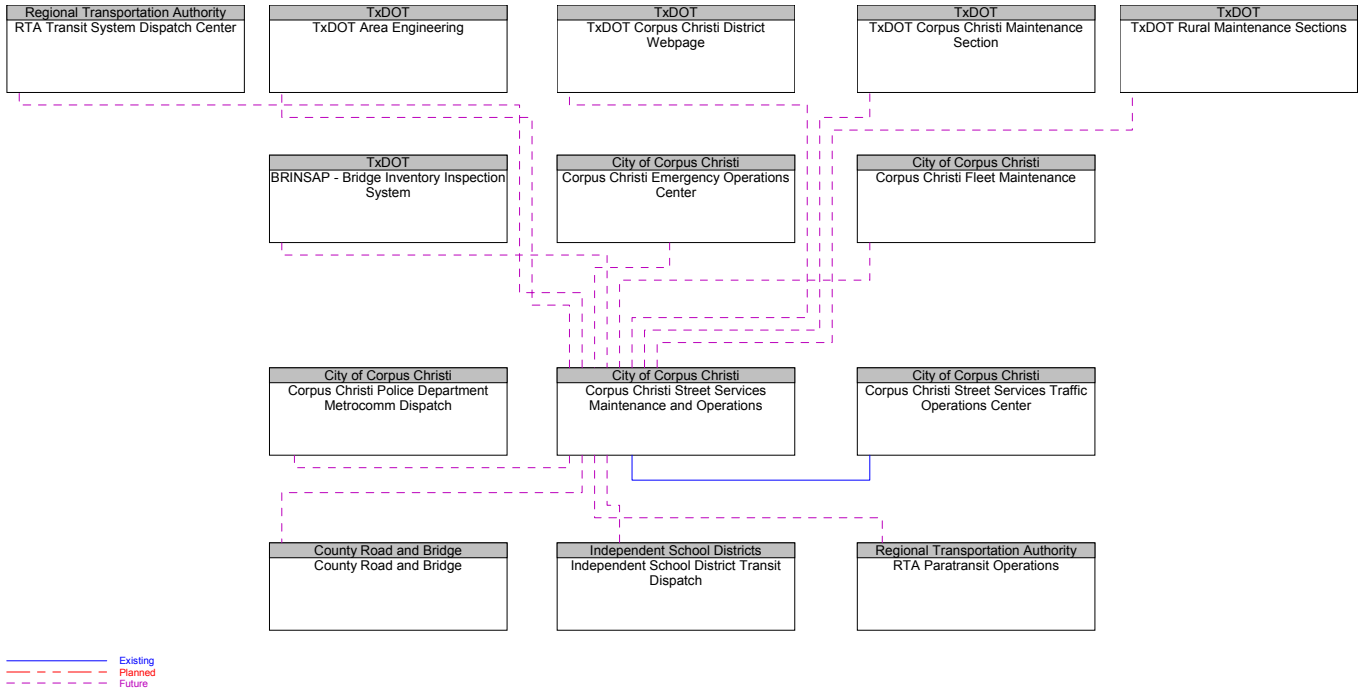

Figure B26 – Corpus Christi Street Services Traffic Operations Center Interfaces

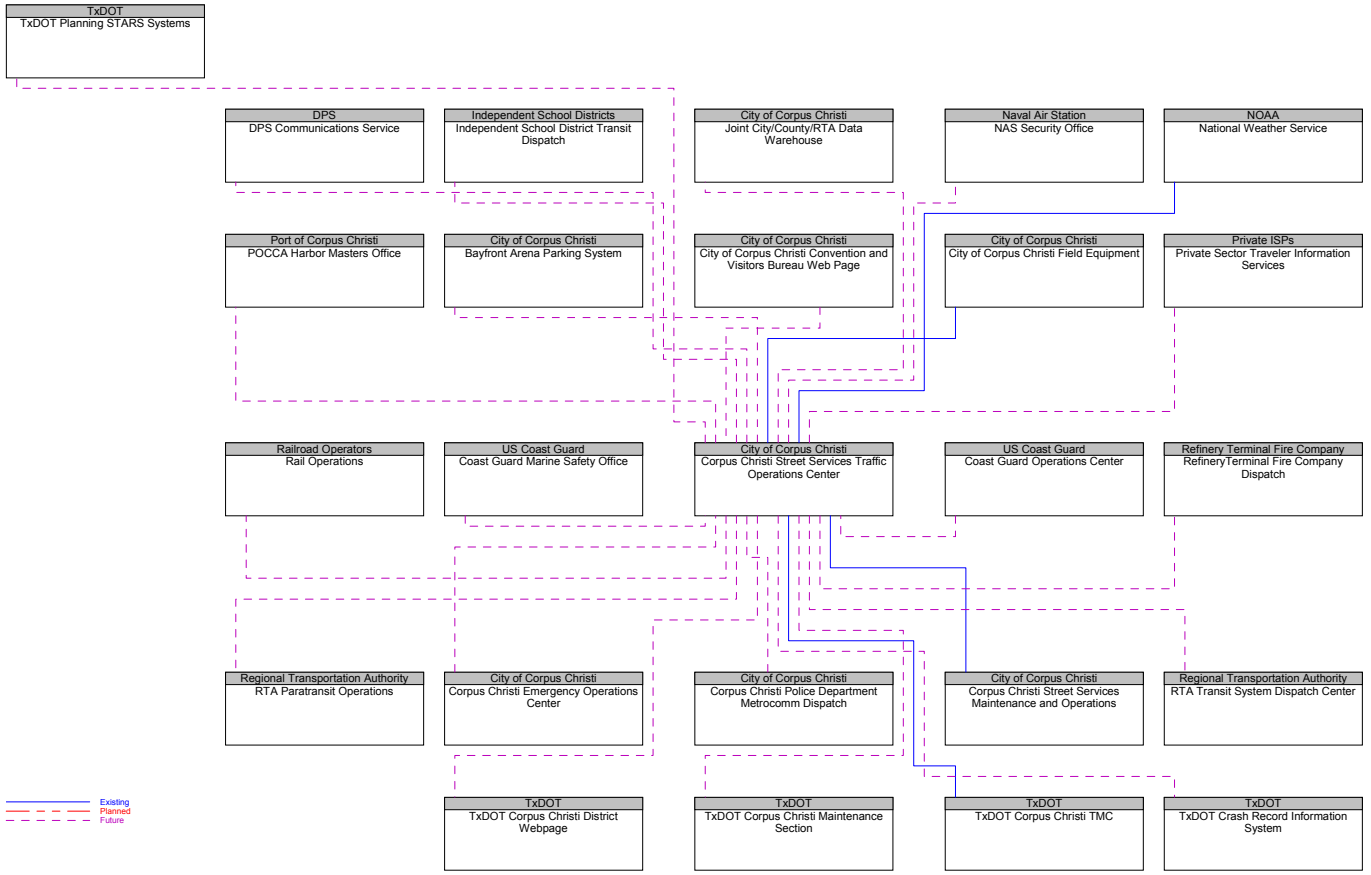

Figure B27 – Corpus Christi Traffic Engineering Interfaces

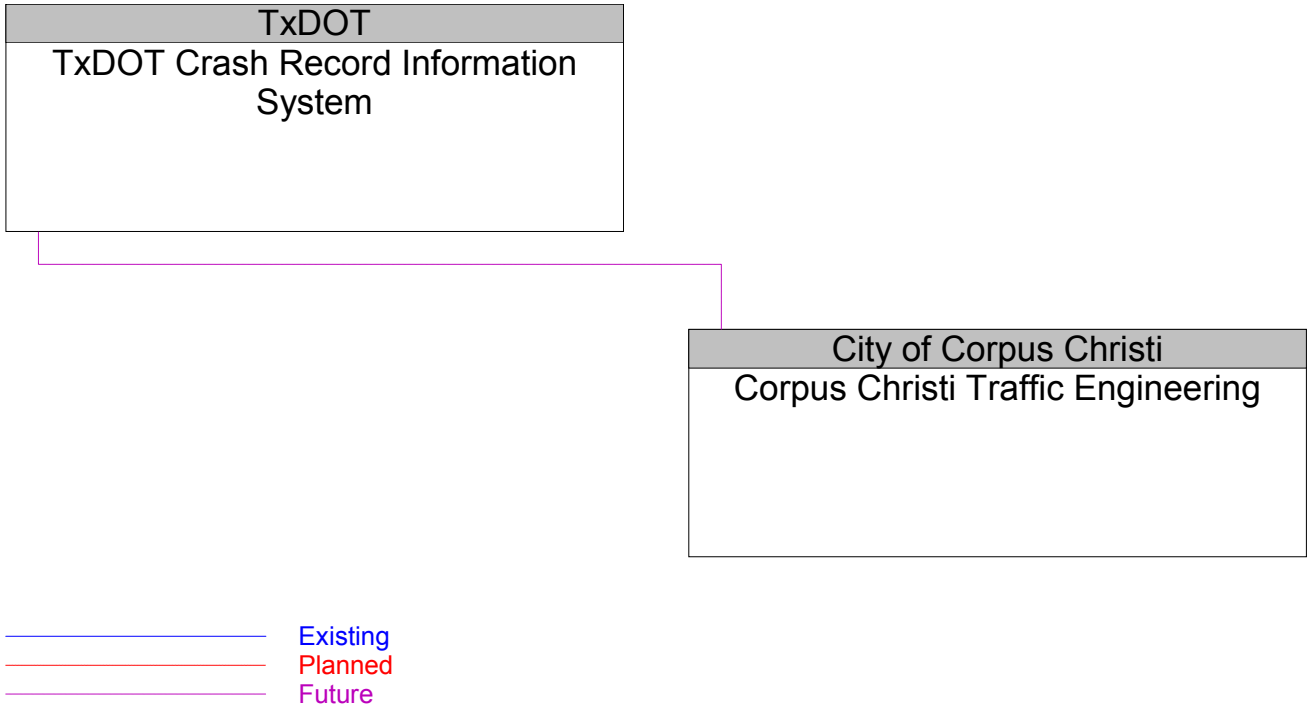

Figure B28 – County Road and Bridge Interfaces

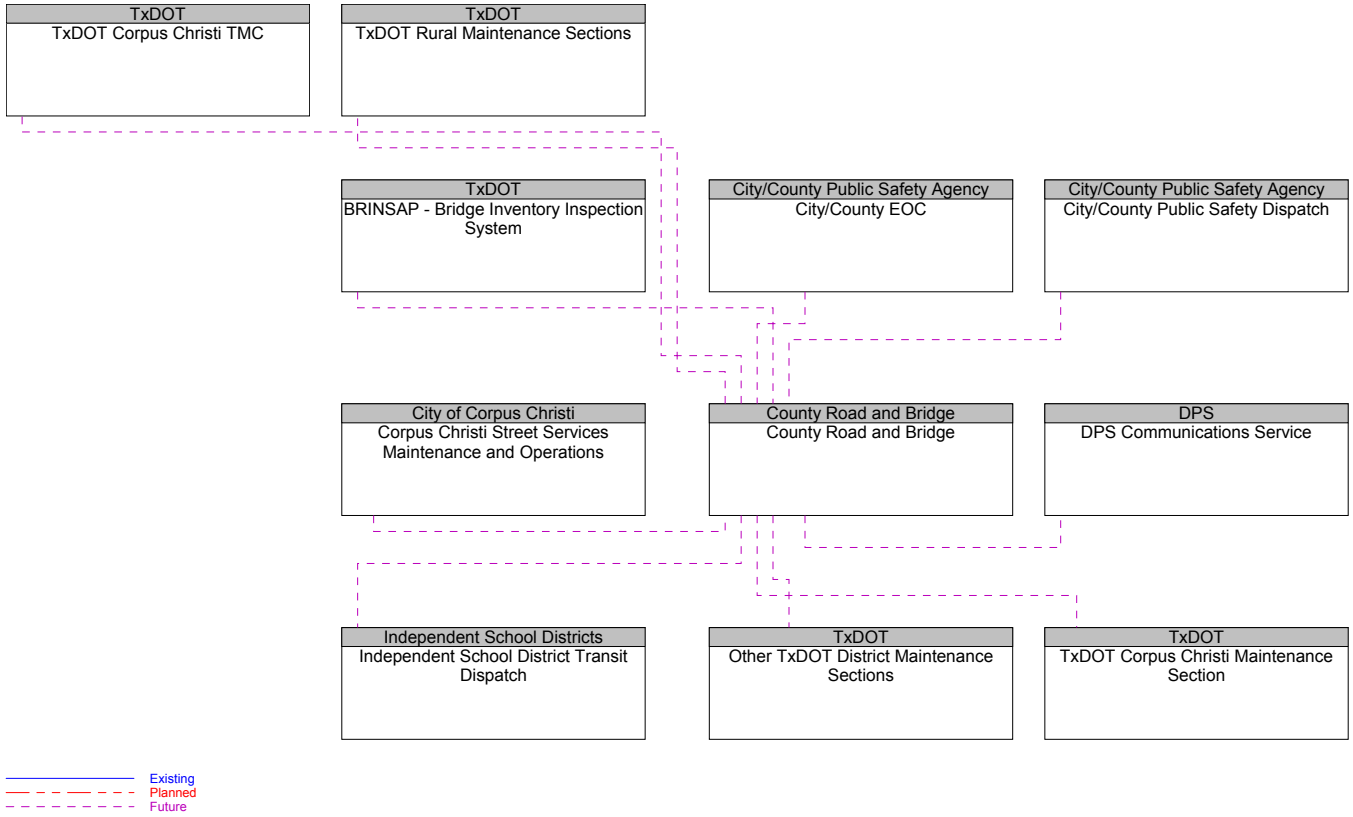

Figure B29 – DPS Communications Service Interfaces

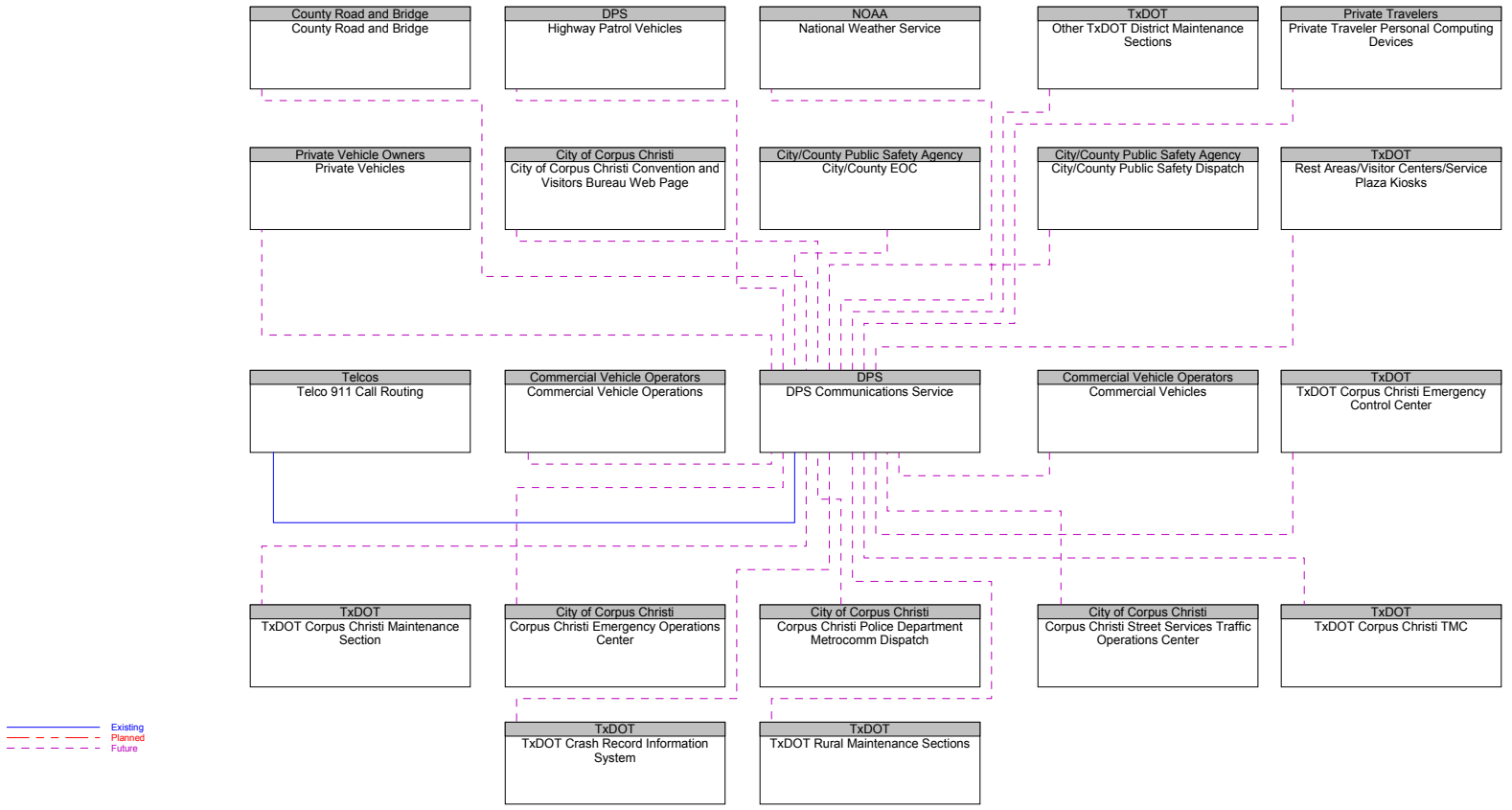

Figure B30 – Halo Flight Helicopter Interfaces

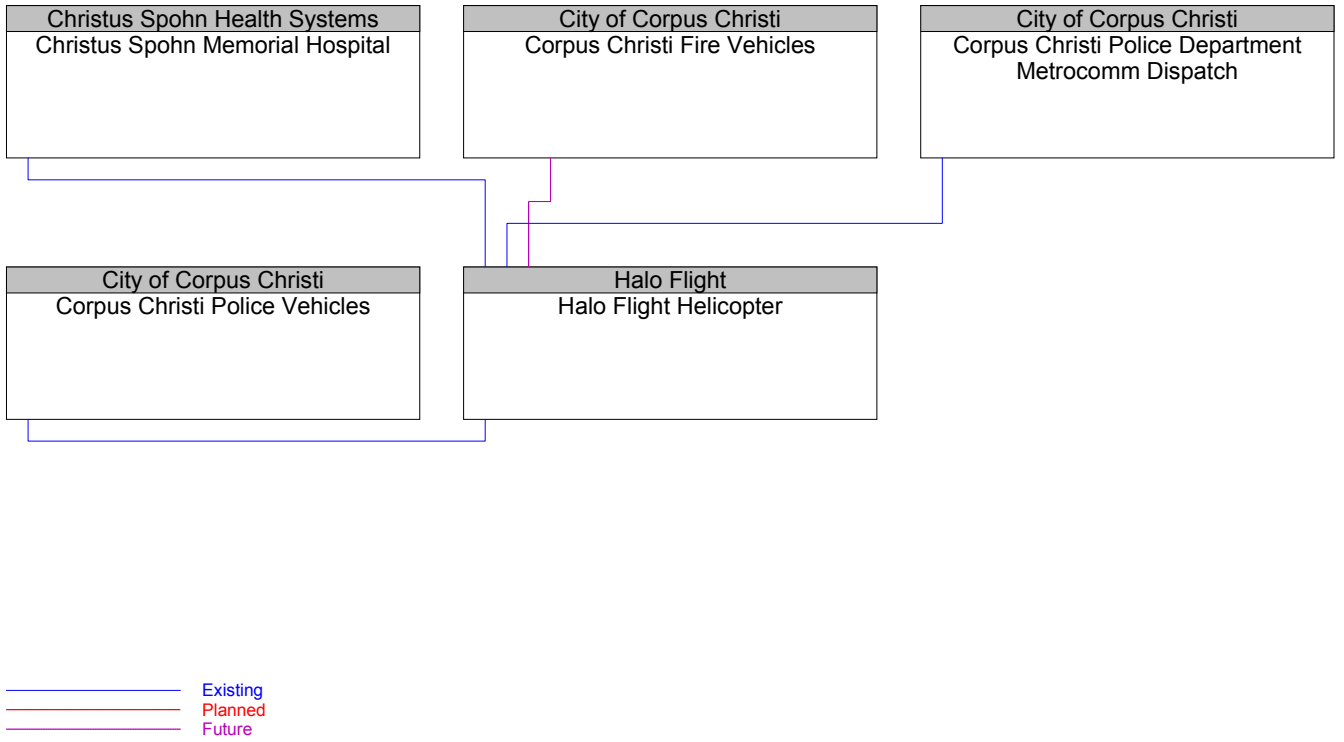

Figure B31 – Highway Patrol Vehicles Interfaces

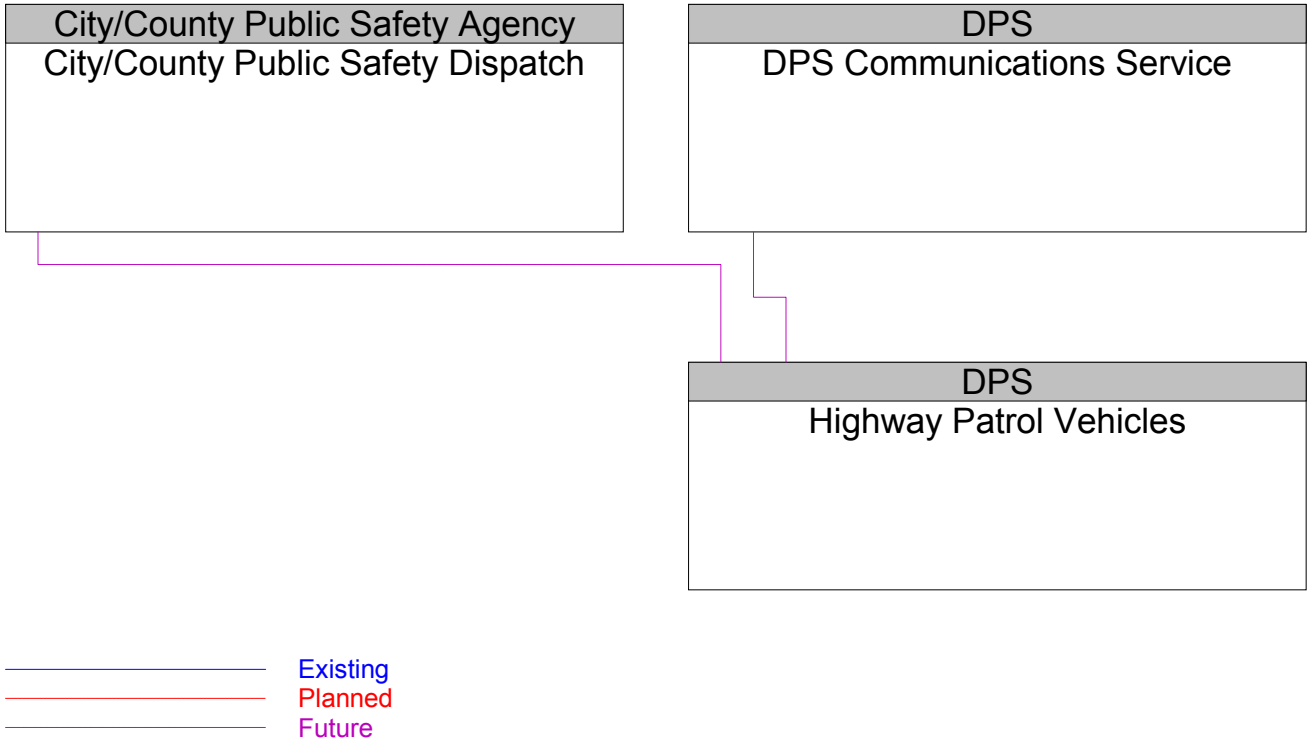

Figure B32 – Independent School District Transit Dispatch Interfaces

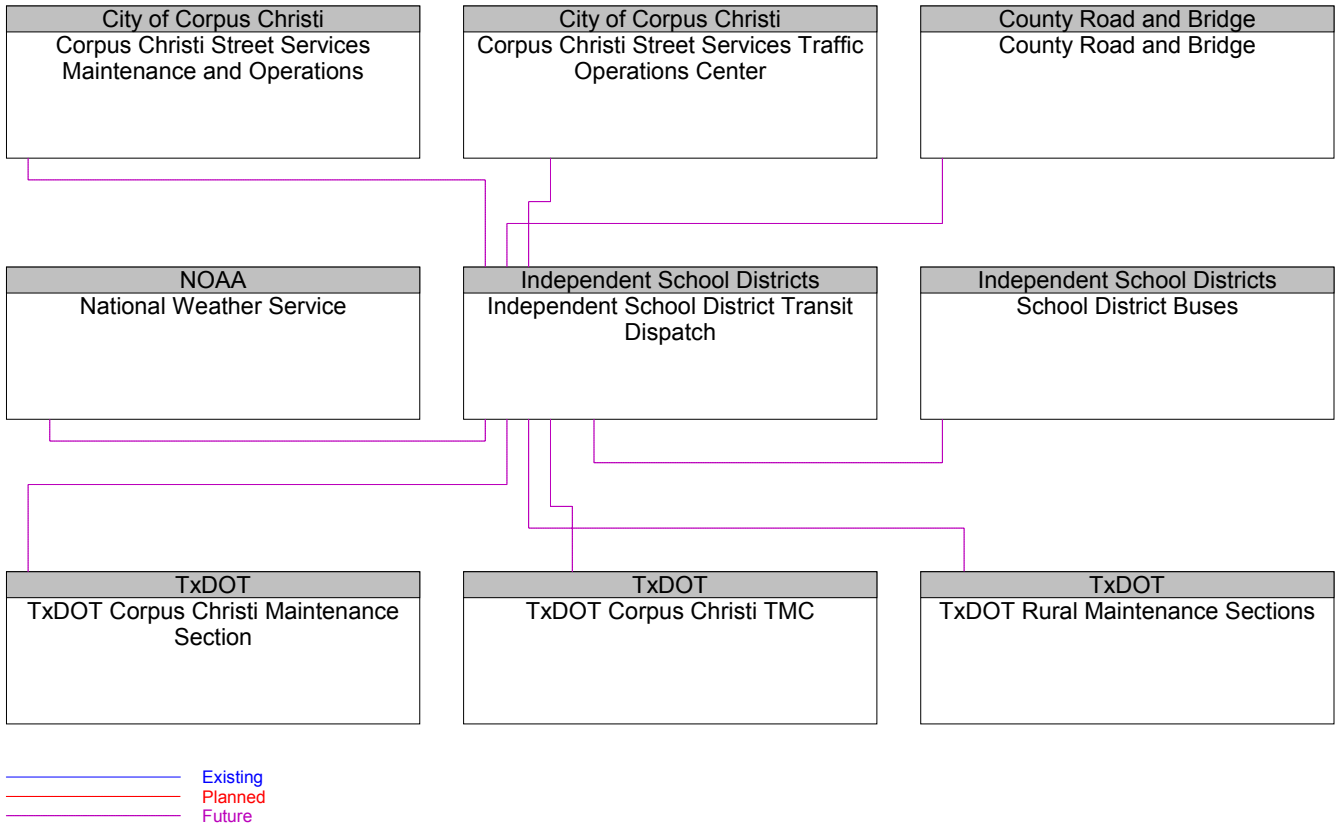

Figure B33 – Joint City/County/RTA Data Warehouse Interfaces

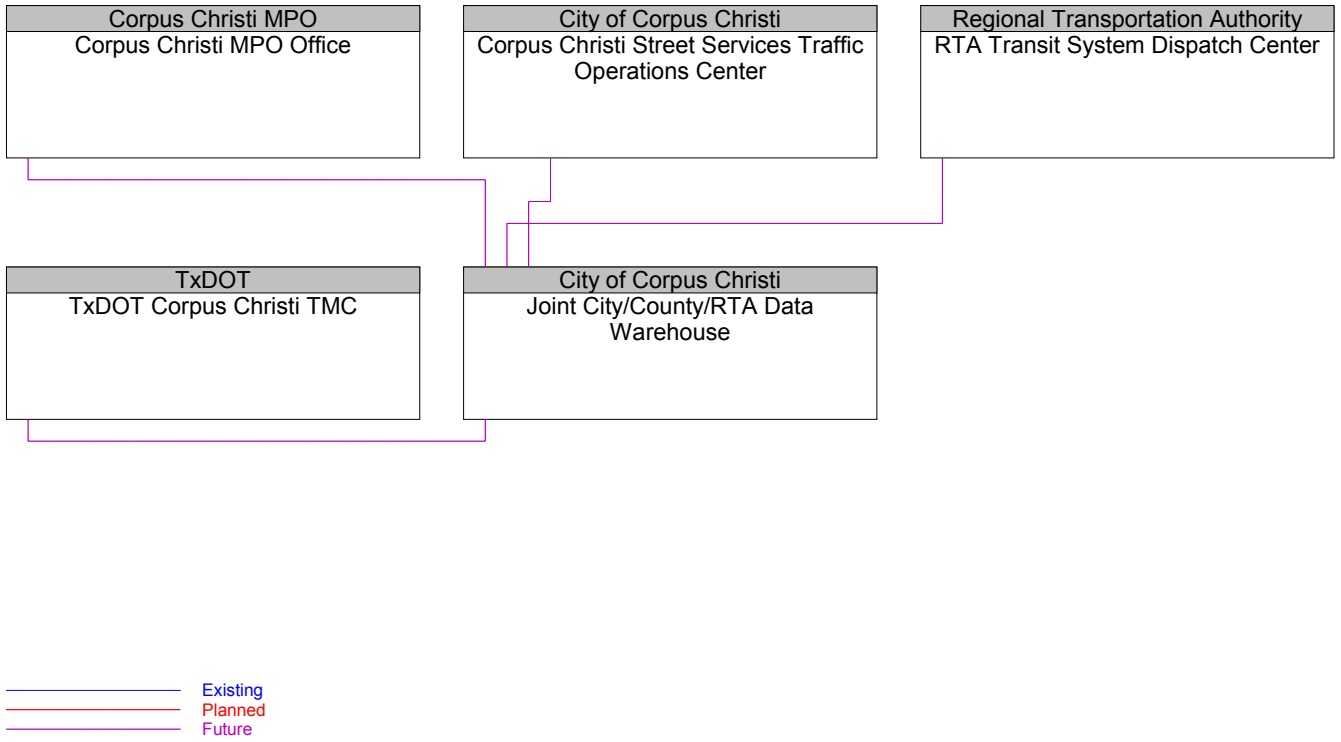

Figure B34 – MetroComm Community Alerting Tools Interfaces

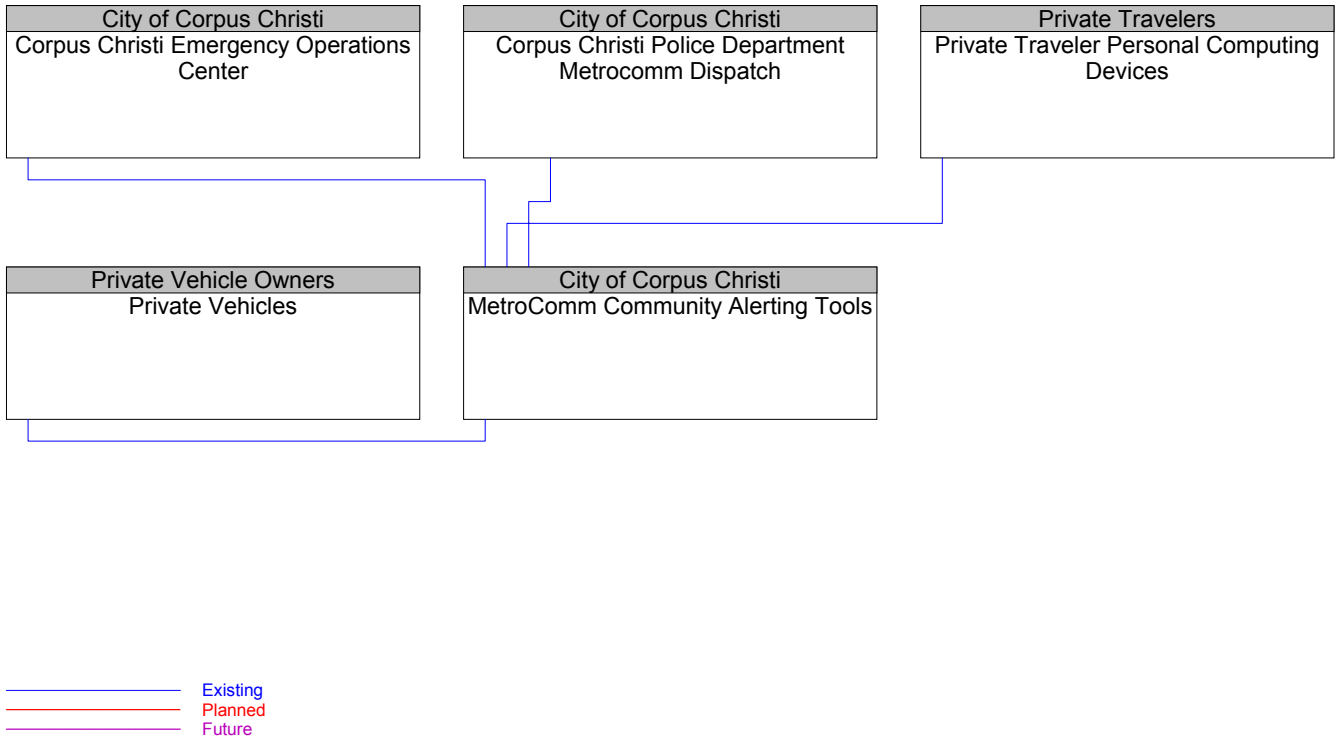

Figure B35 – NAS Security Office Interfaces

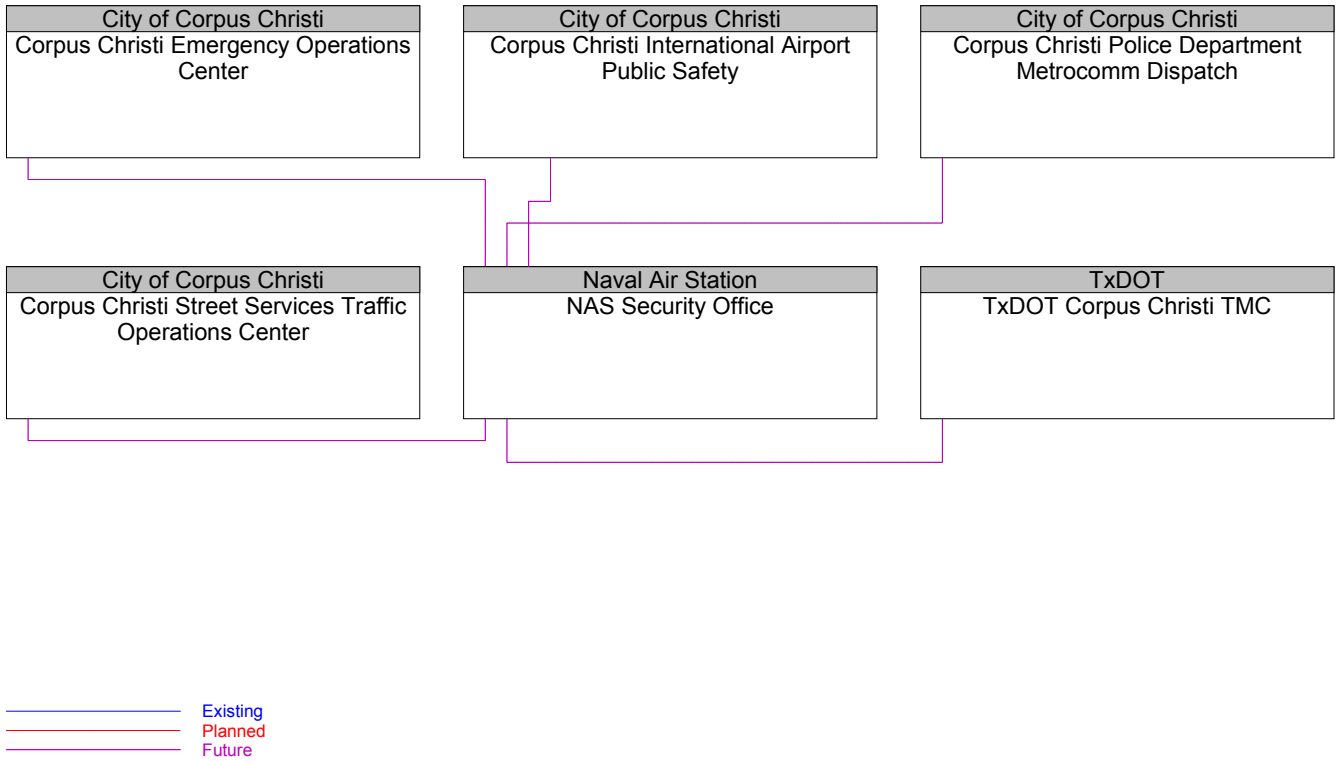

Figure B36 – National Weather Service Interfaces

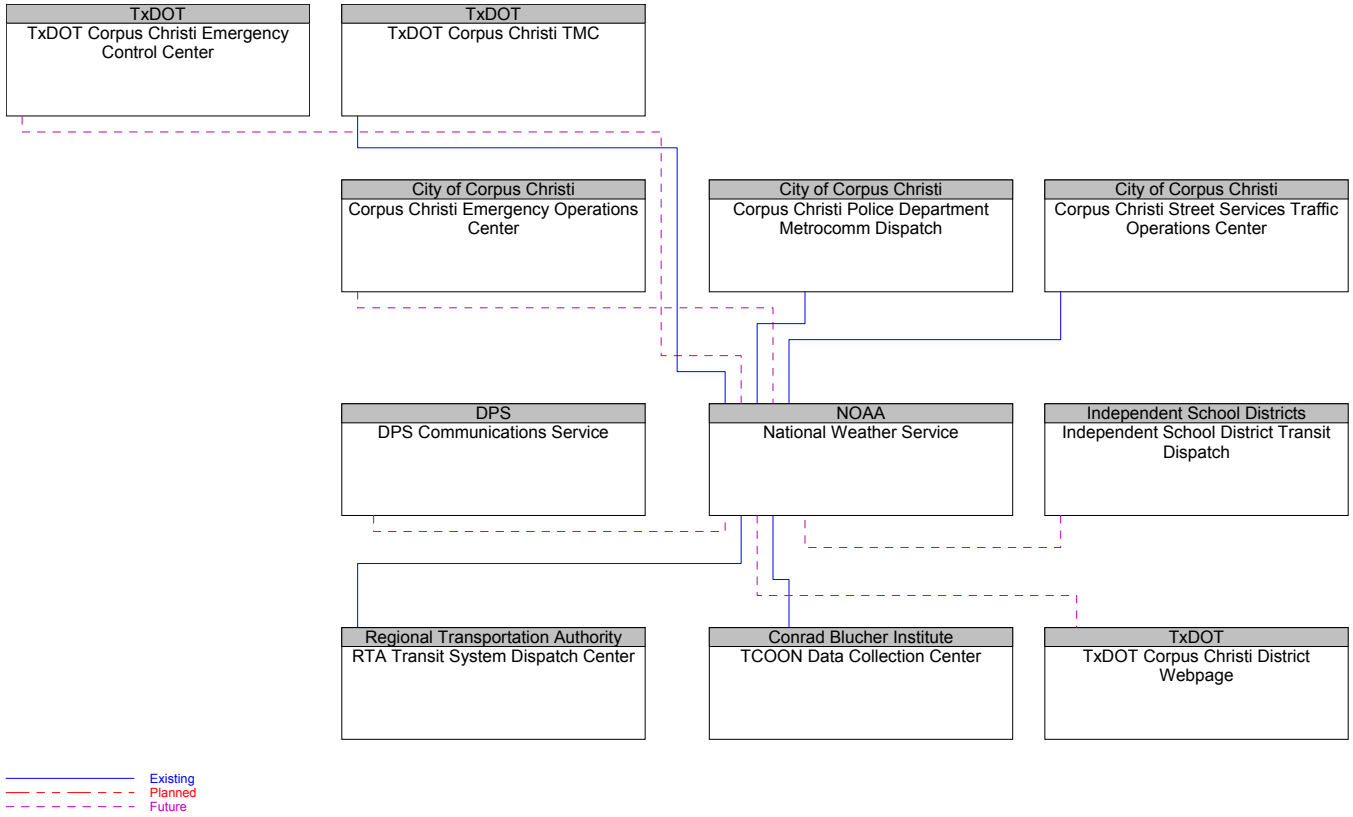

Figure B37 – Naval Station Ingleside Operations Center Interfaces

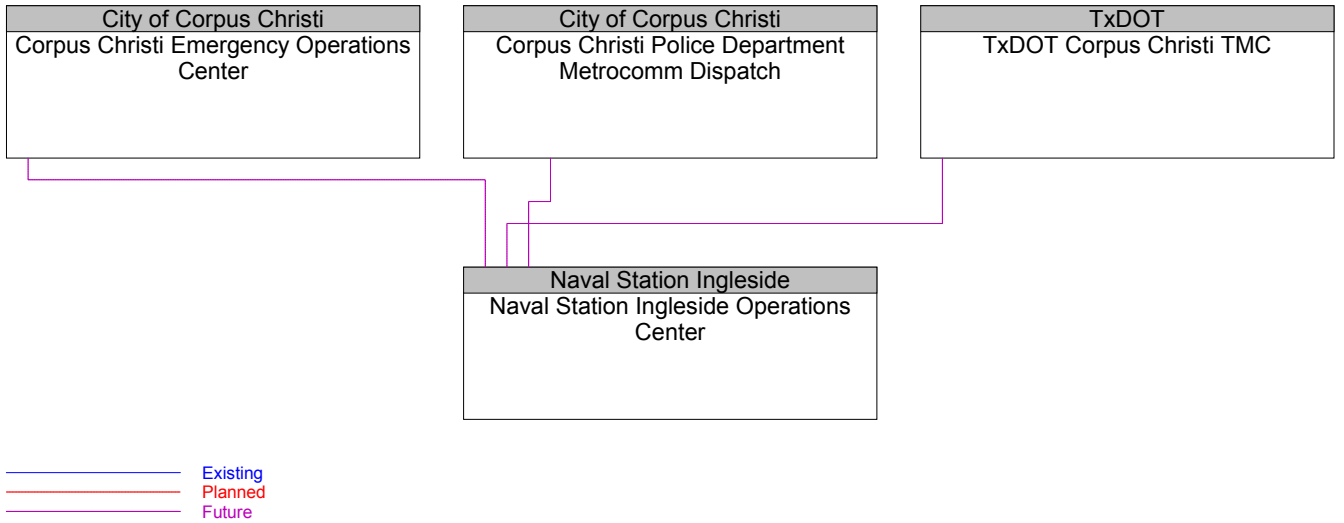

Figure B38 – Other TxDOT District Maintenance Sections Interfaces

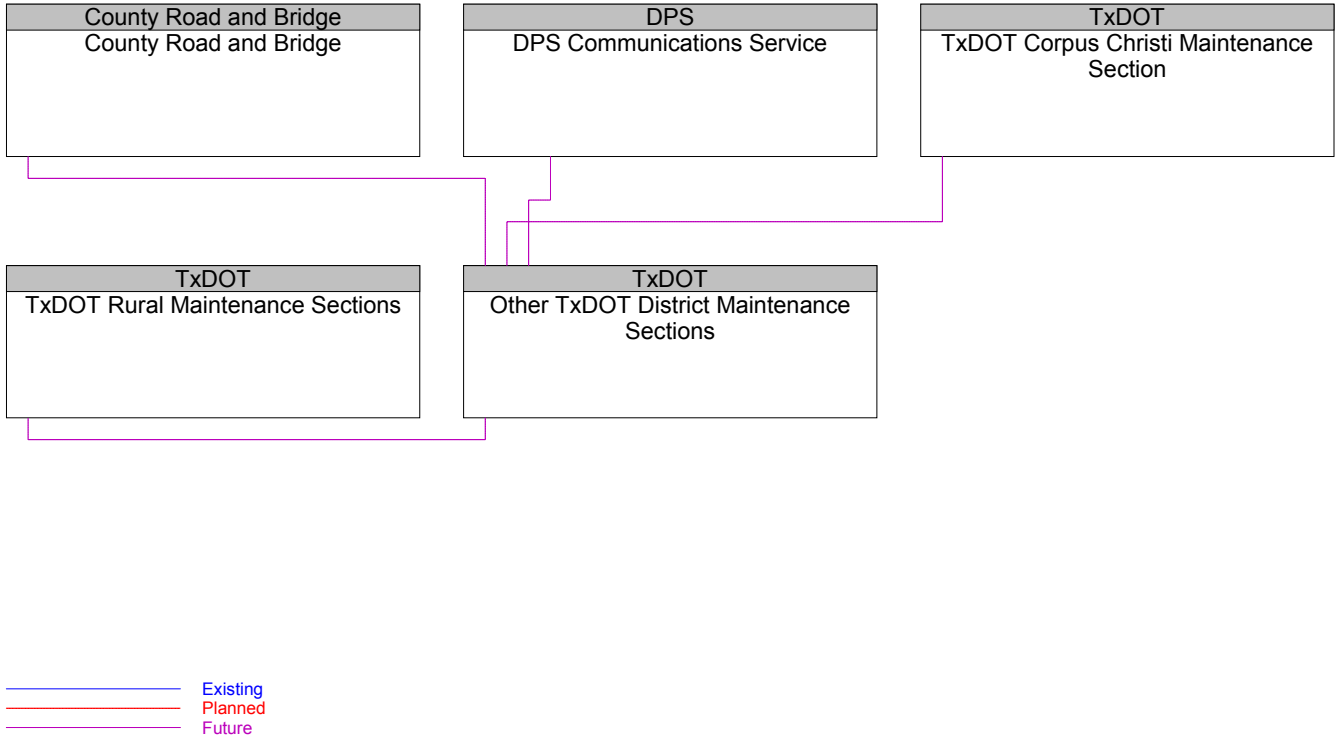

Figure B39 – Other TxDOT District TMCs Interfaces

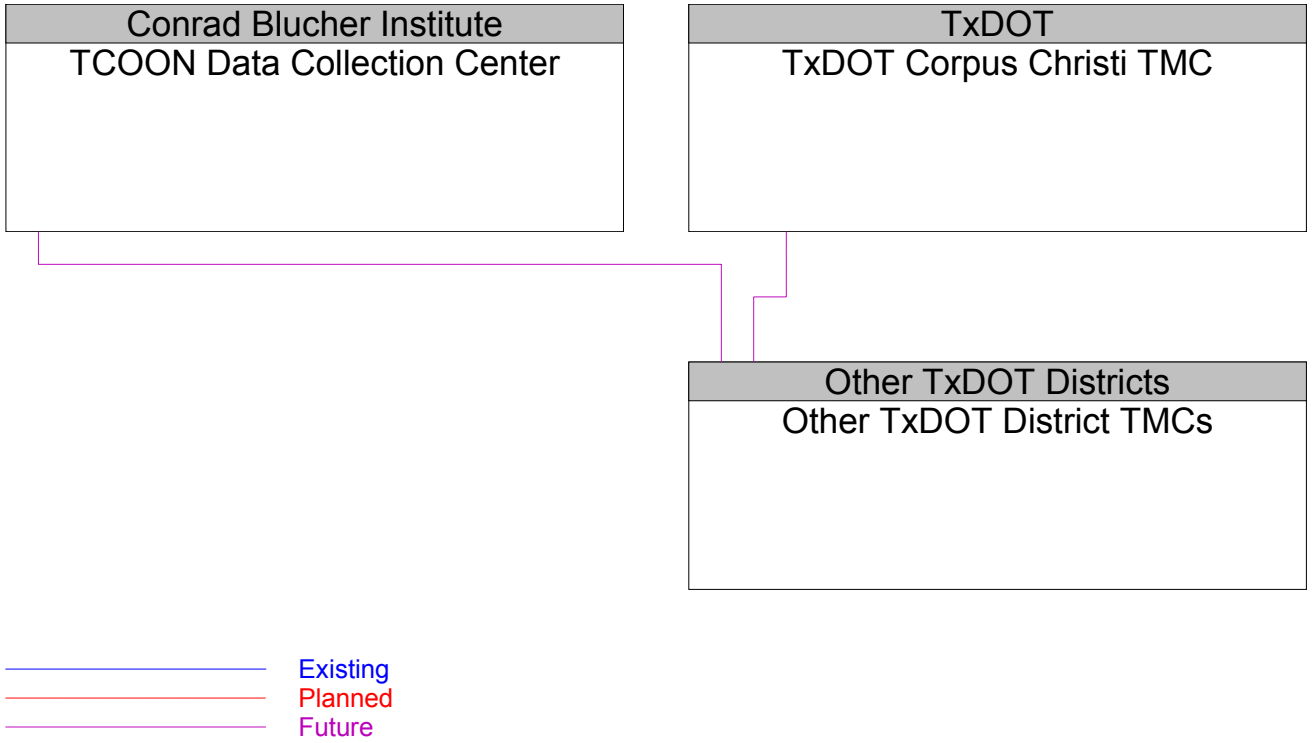

Figure B40 – POCCA Harbor Masters Office Interfaces

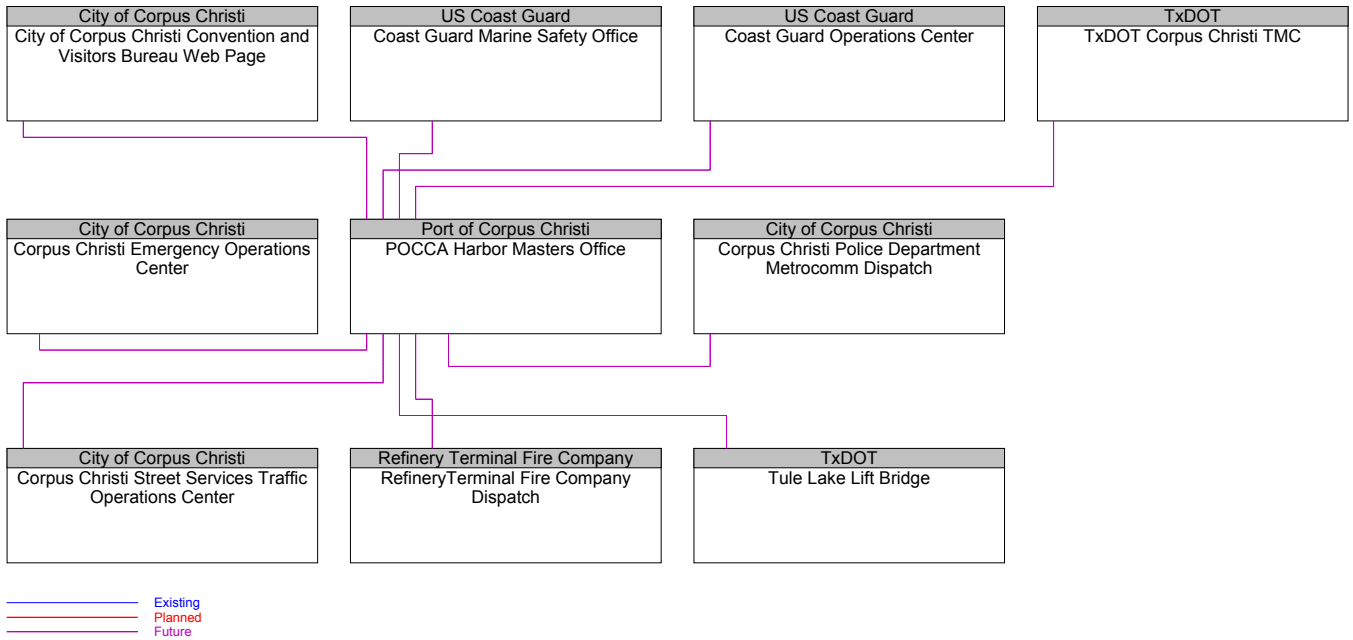

Figure B41 – Print and Broadcast Media Interfaces

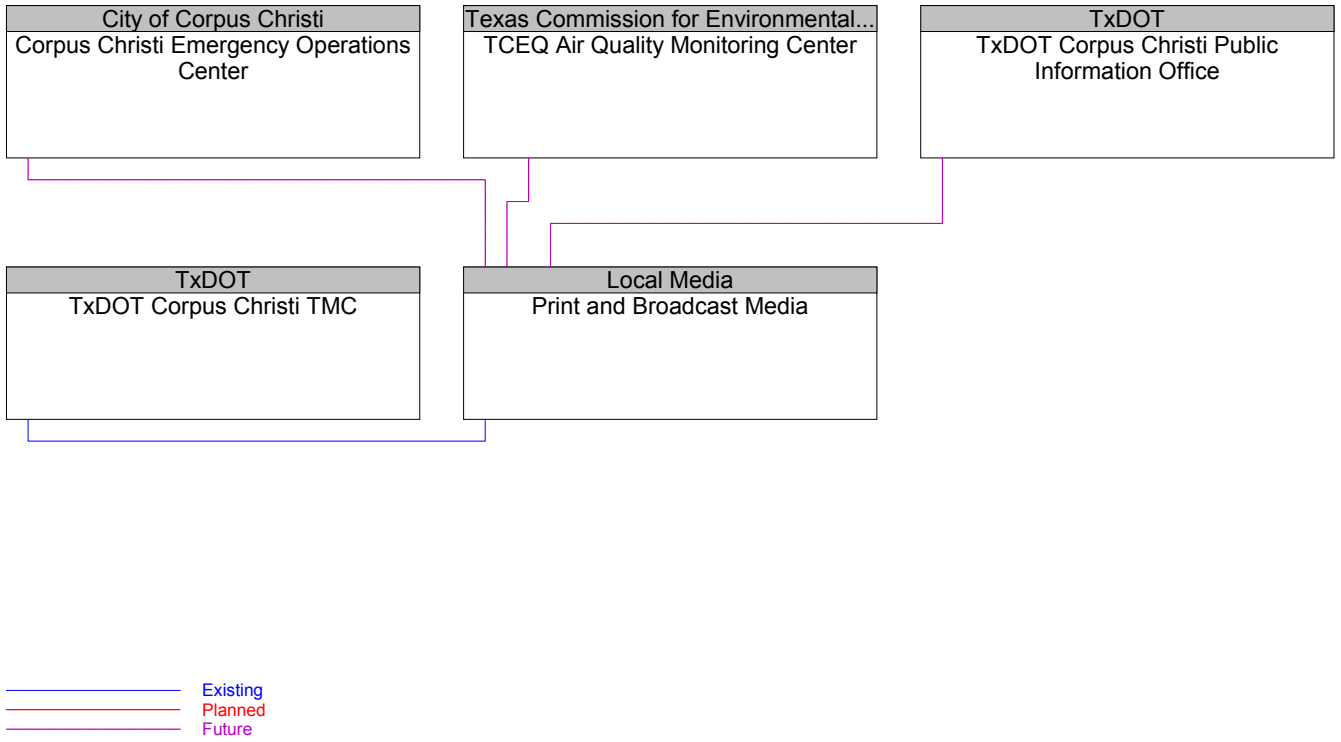

Figure B42 – Private Ambulance Dispatch Center Interfaces

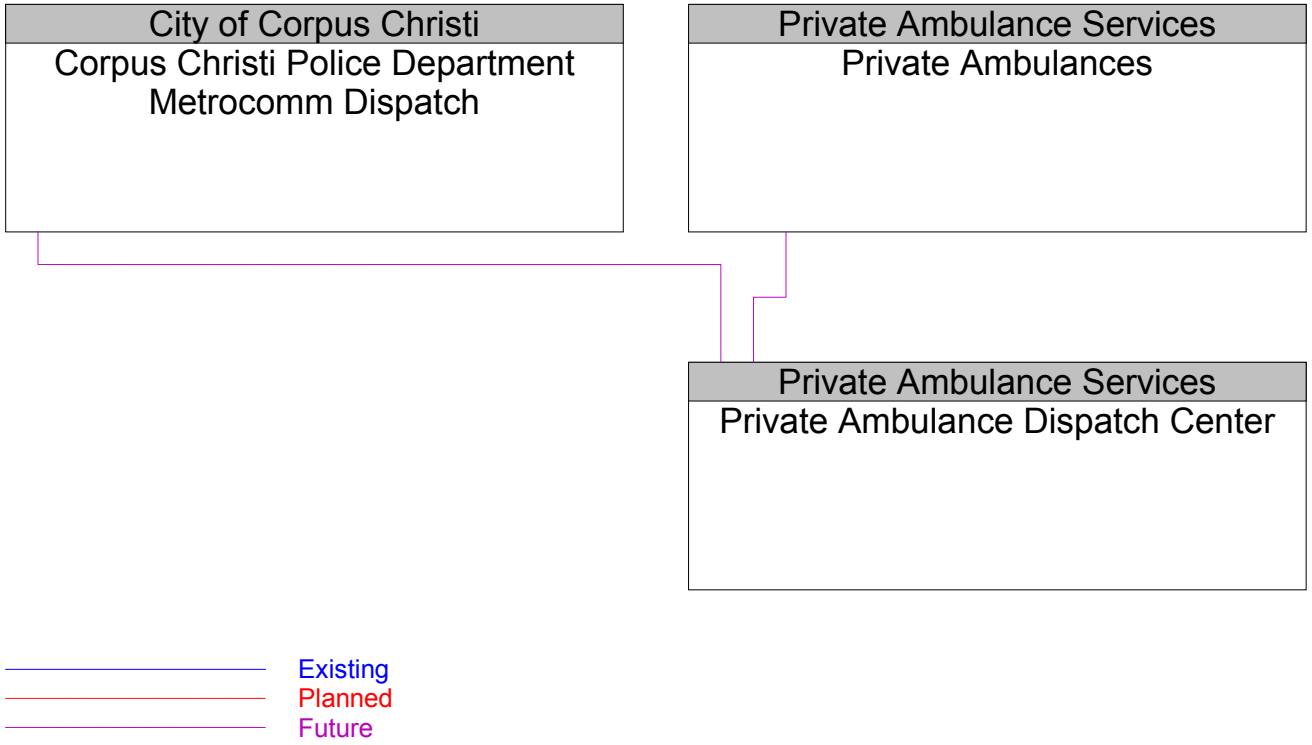

Figure B43 – Private Ambulances Interfaces

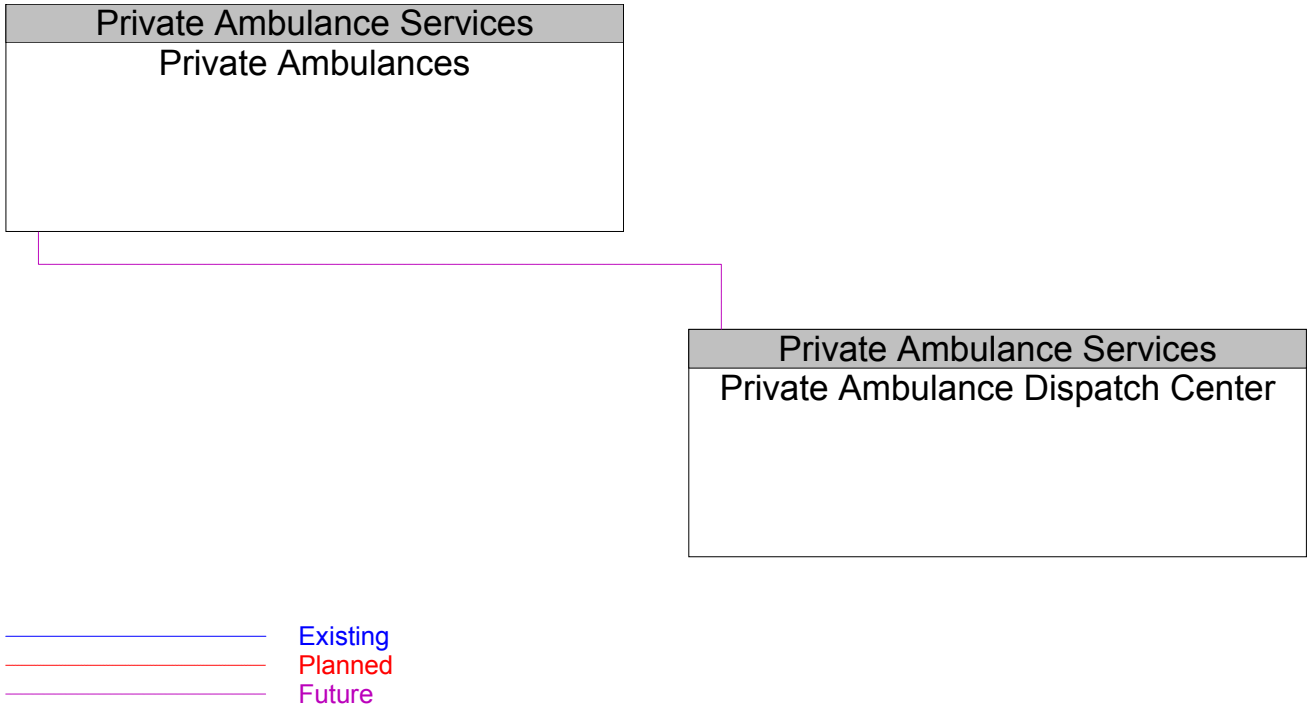

Figure B44 – Private Sector Traveler Information Services Interfaces

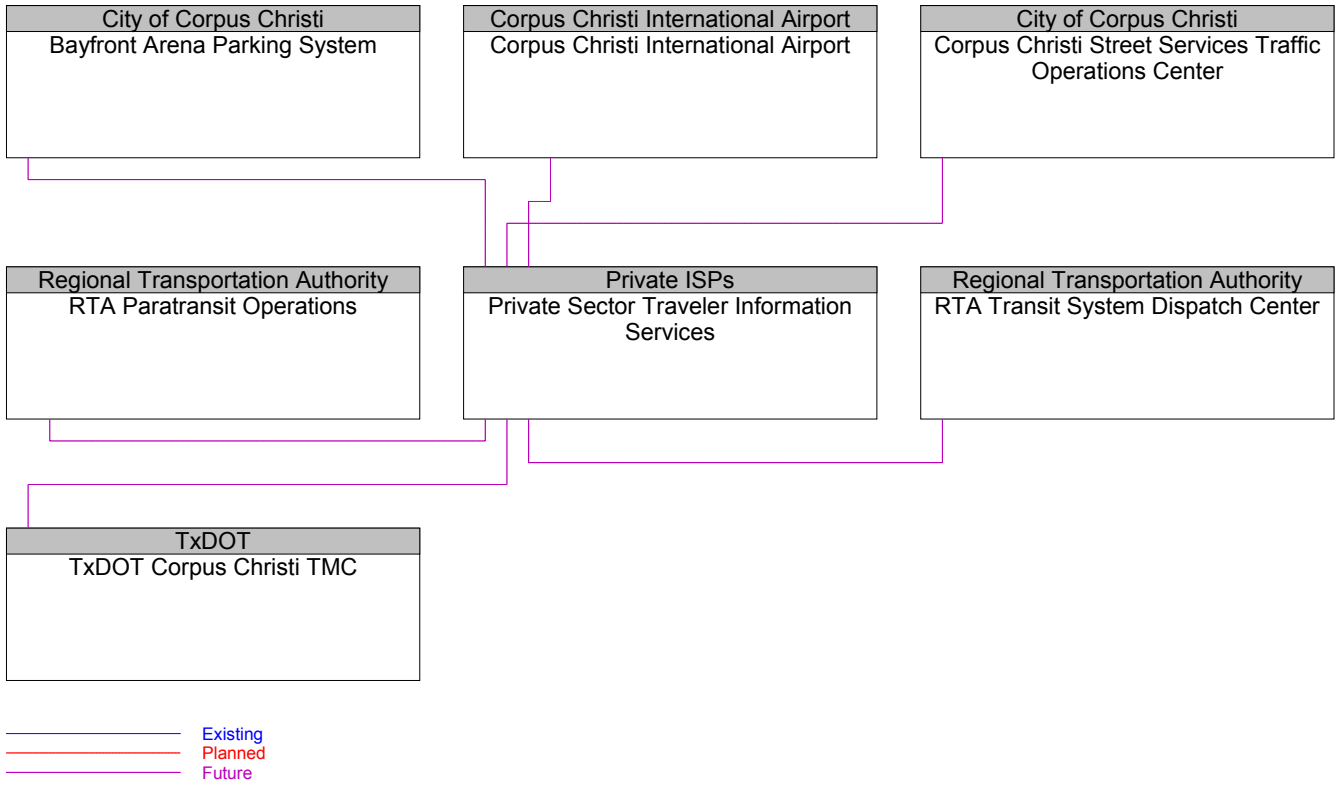

Figure B45 – Private Tow/Wrecker Dispatch Interfaces

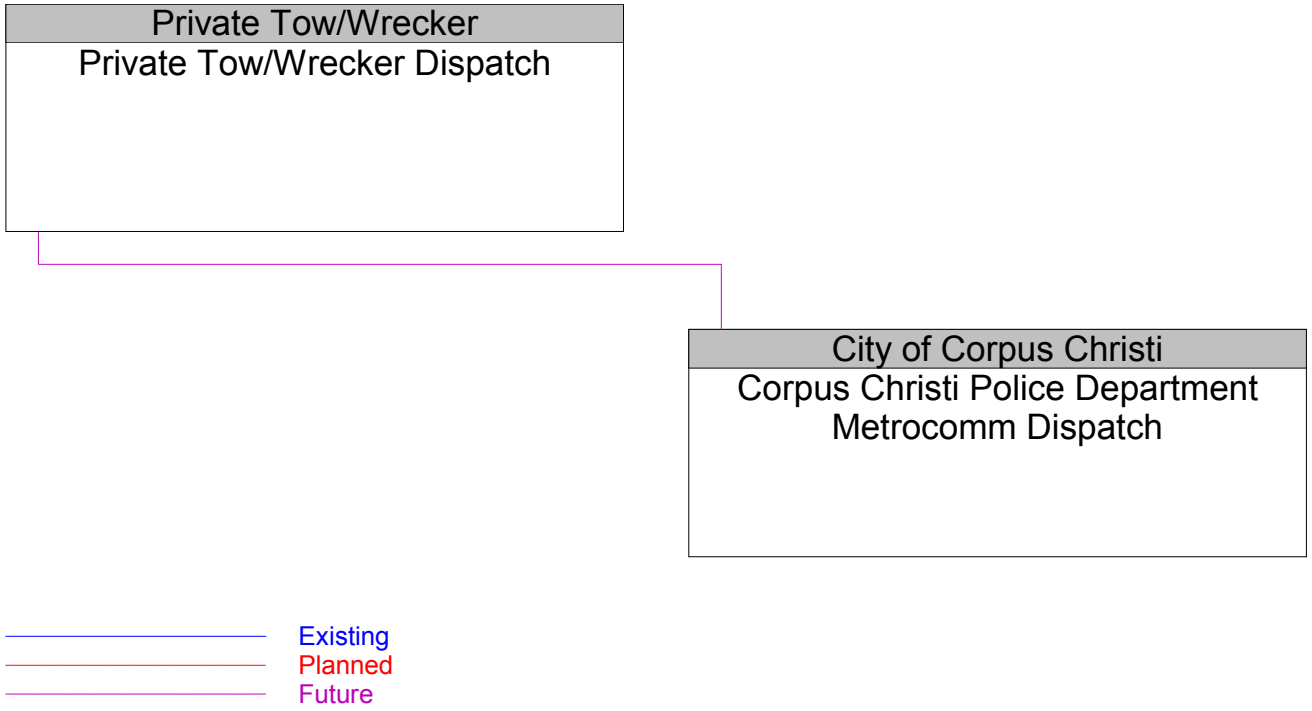

Figure B46 – Private Traveler Personal Computing Devices Interfaces

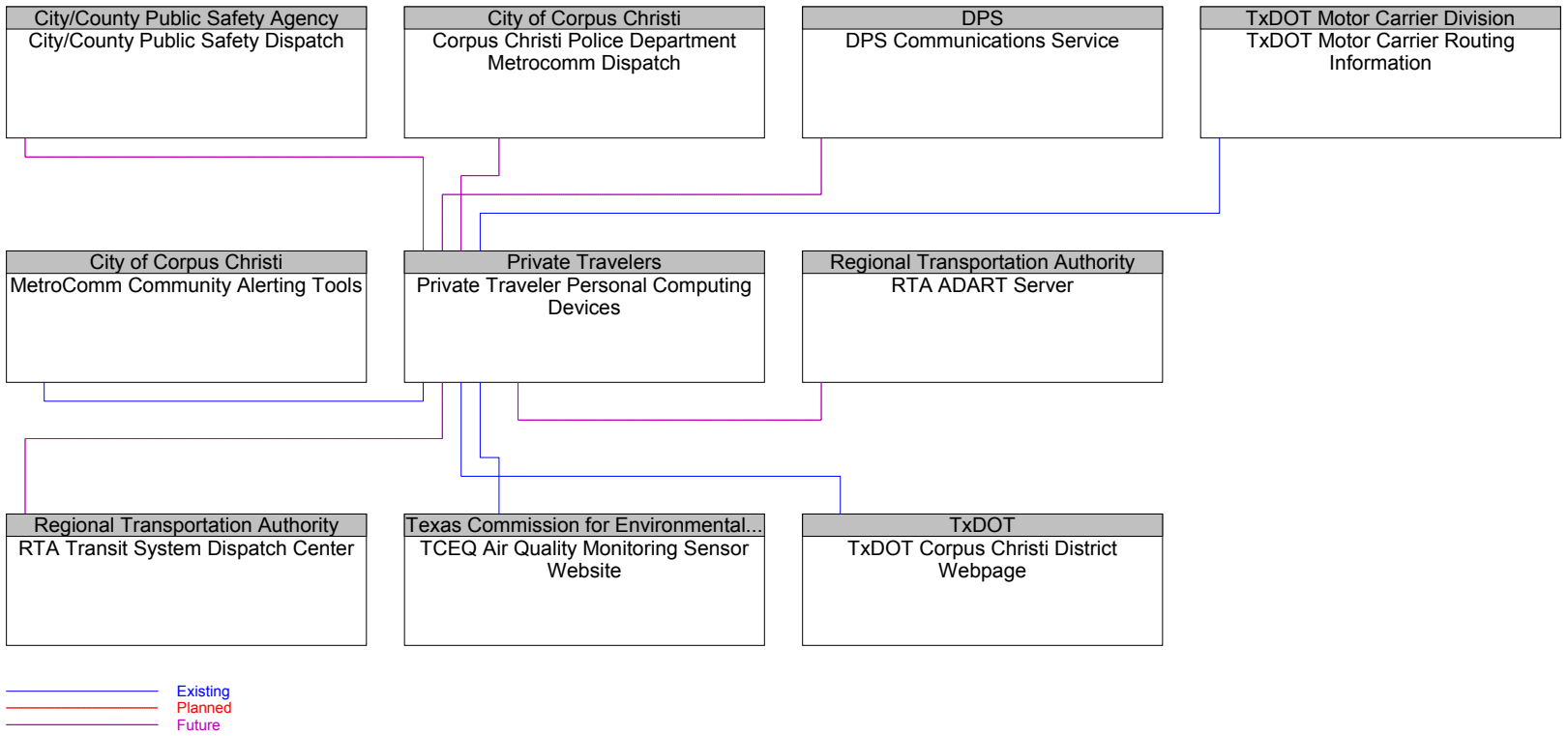

Figure B47 – Private Vehicle Emergency Systems Interfaces

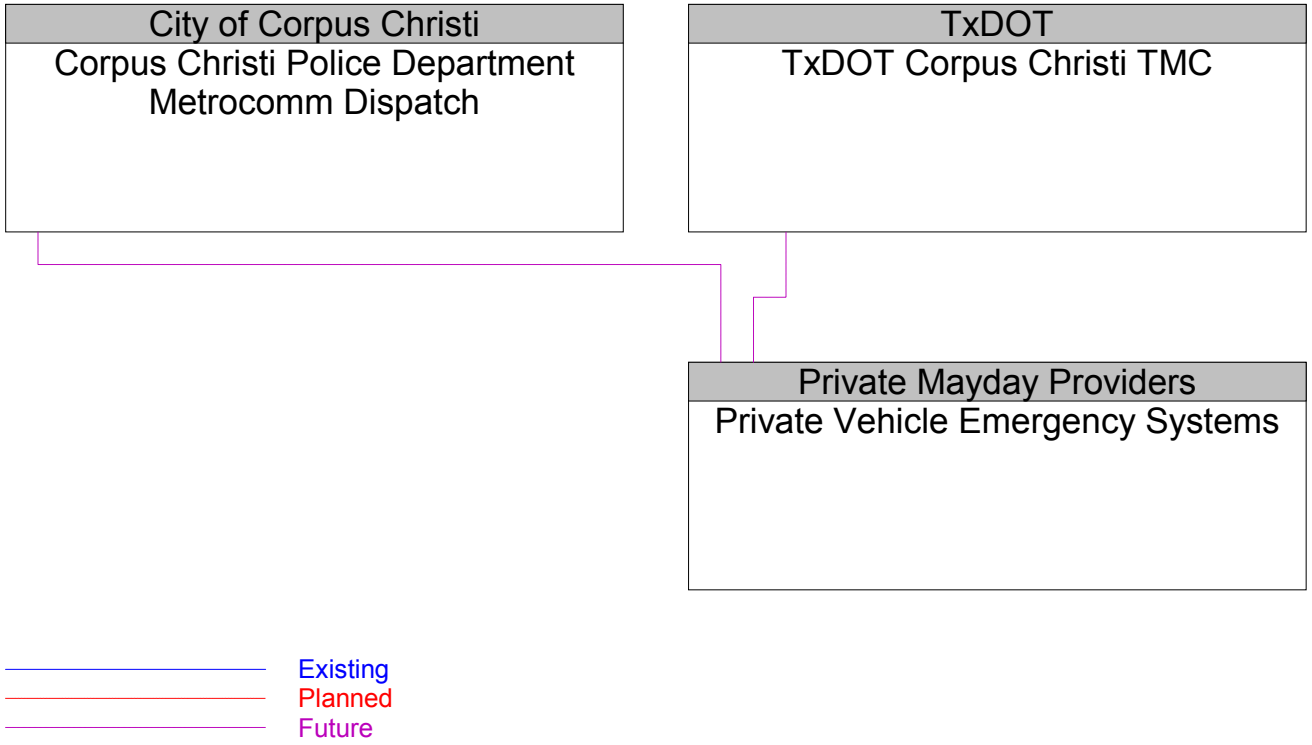

Figure B48 – Private Vehicles Interfaces

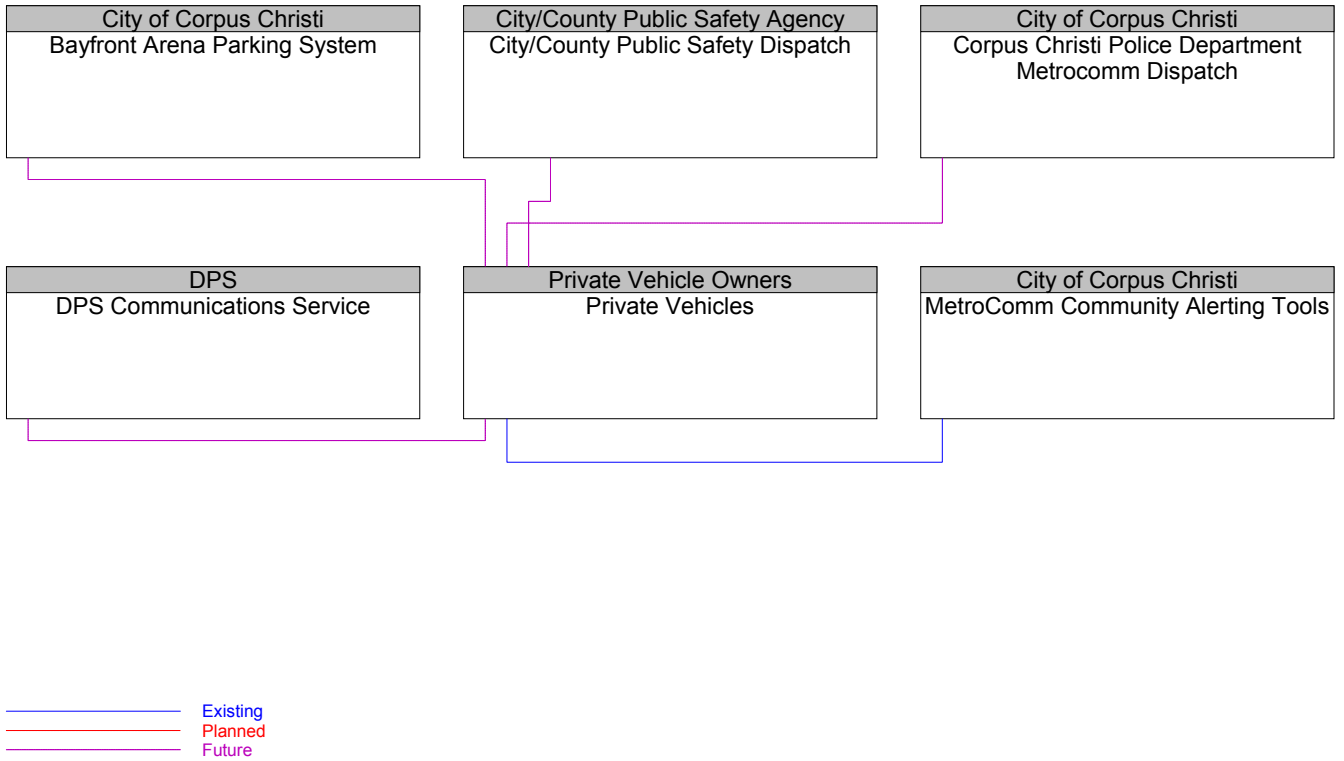

Figure B49 – Private Weather Service Interfaces

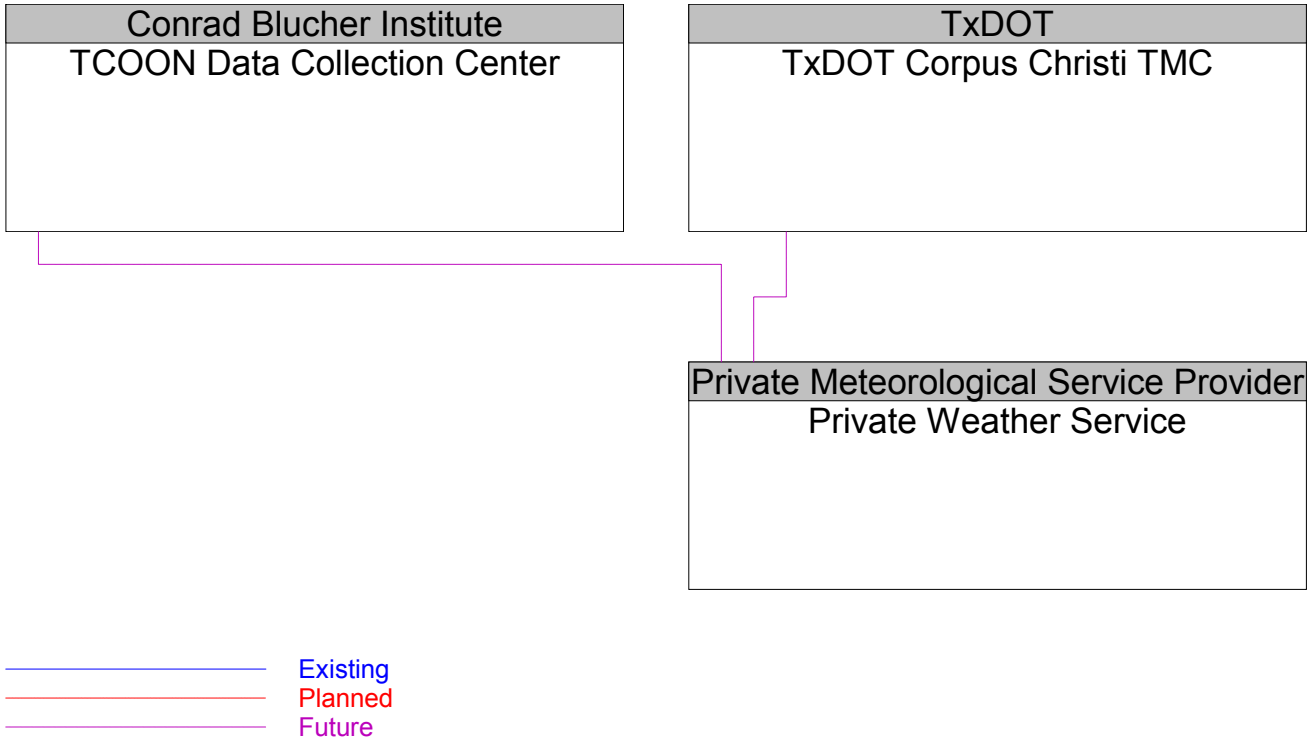

Figure B50 – Rail Operations Interfaces

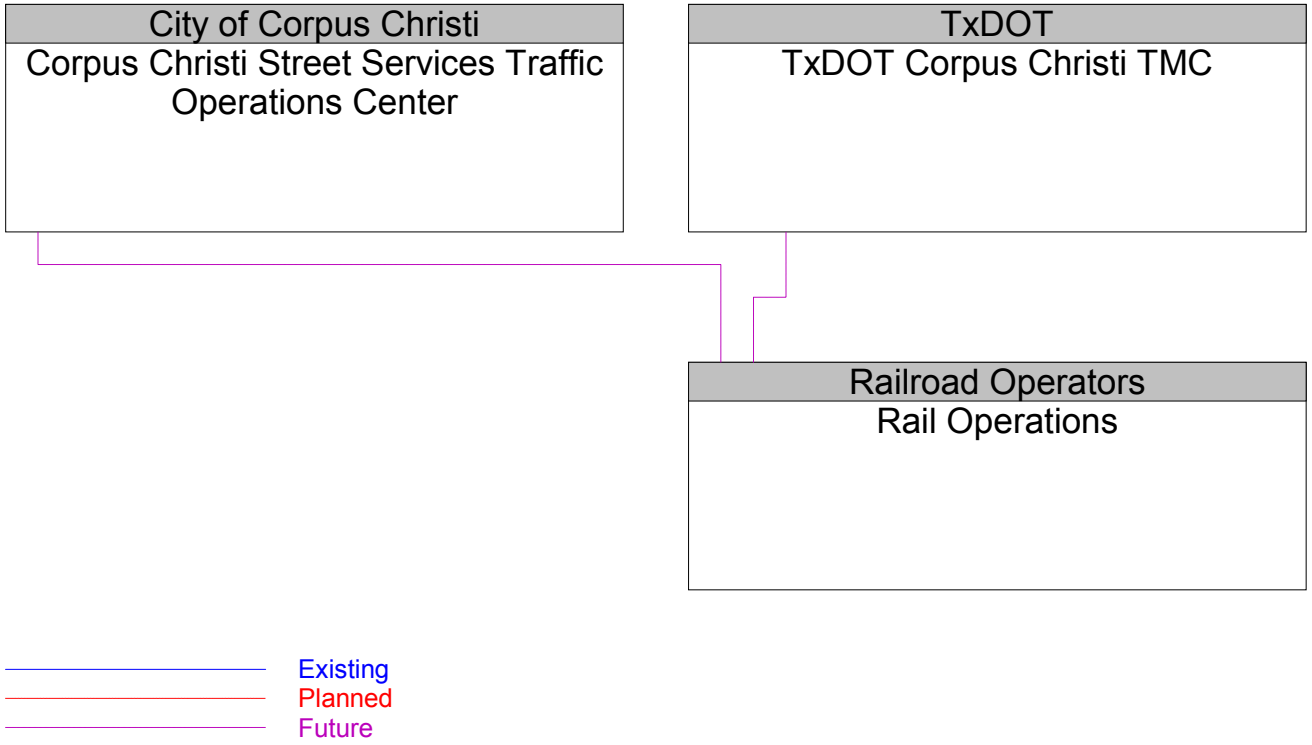

Figure B51 – RefineryTerminal Fire Company Dispatch Interfaces

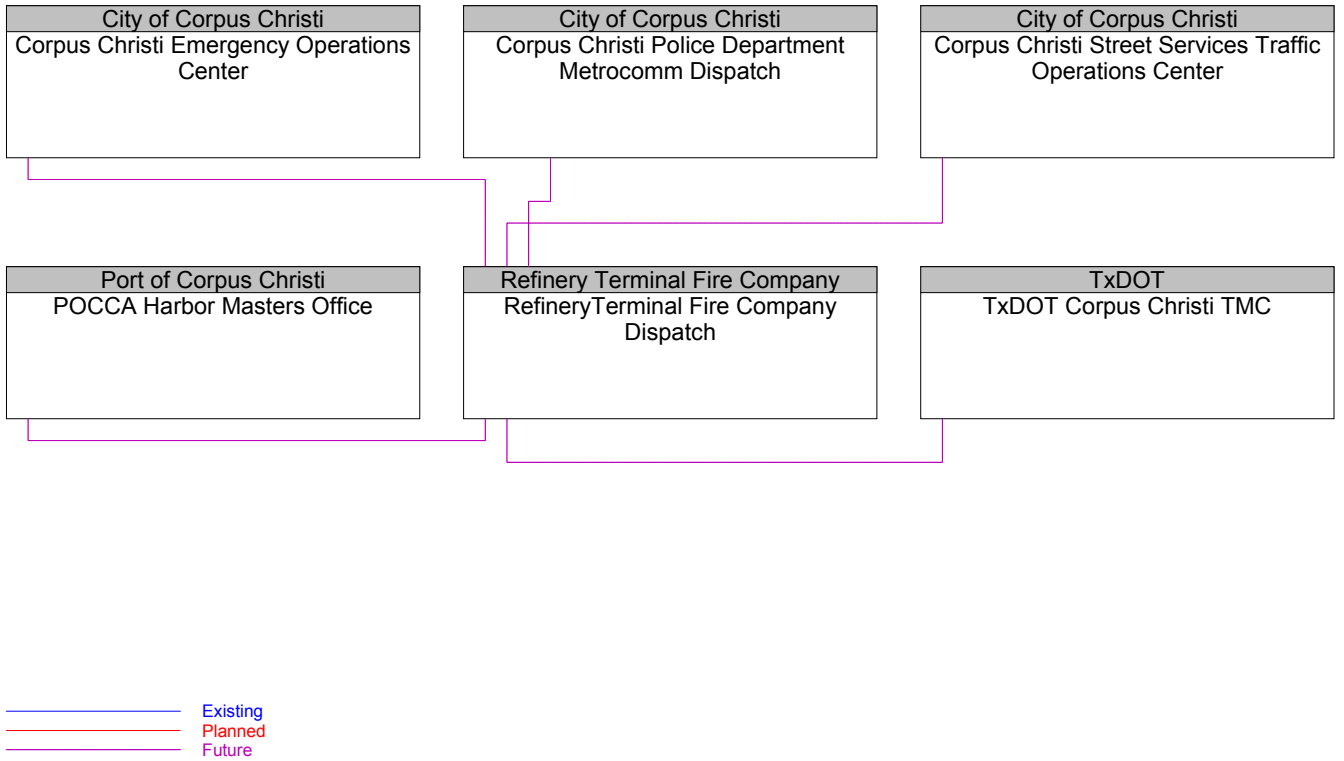

Figure B52 – Regional Hospitals Interfaces

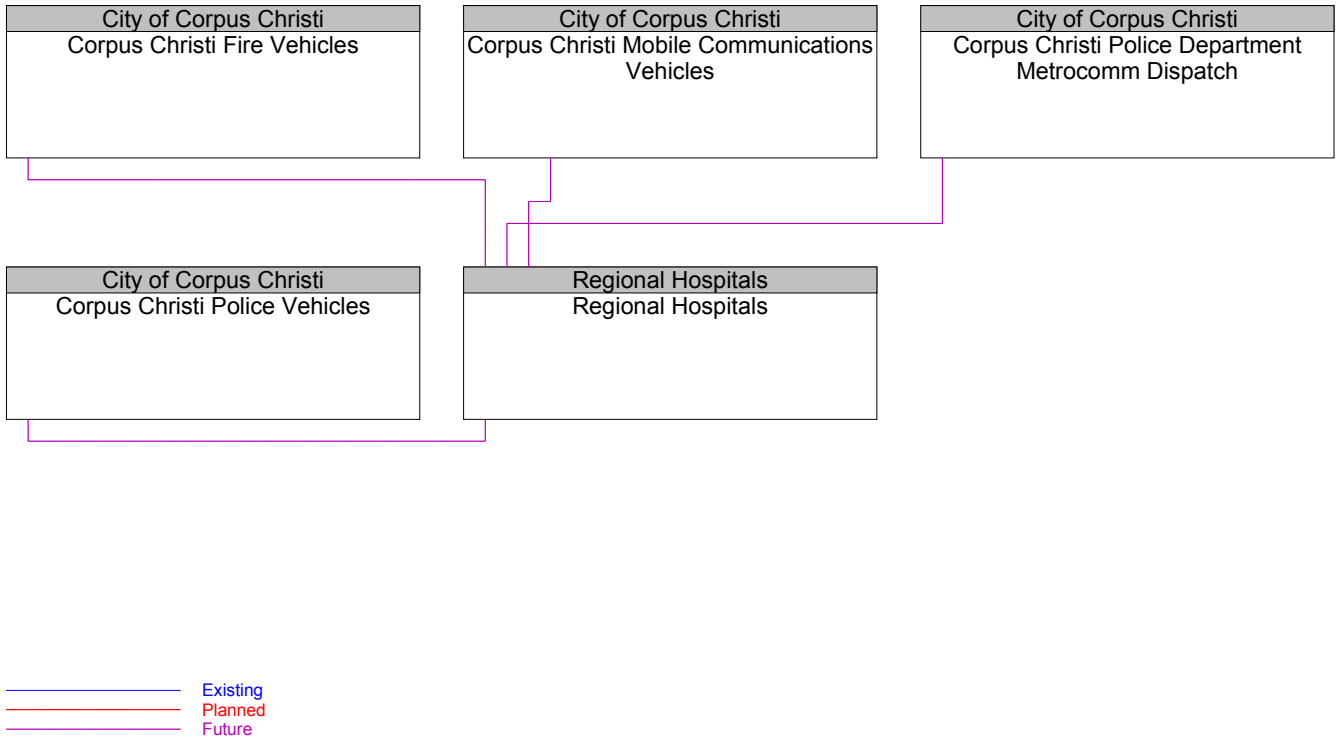

Figure B53 – Rest Areas/Visitor Centers/Service Plaza Kiosks Interfaces

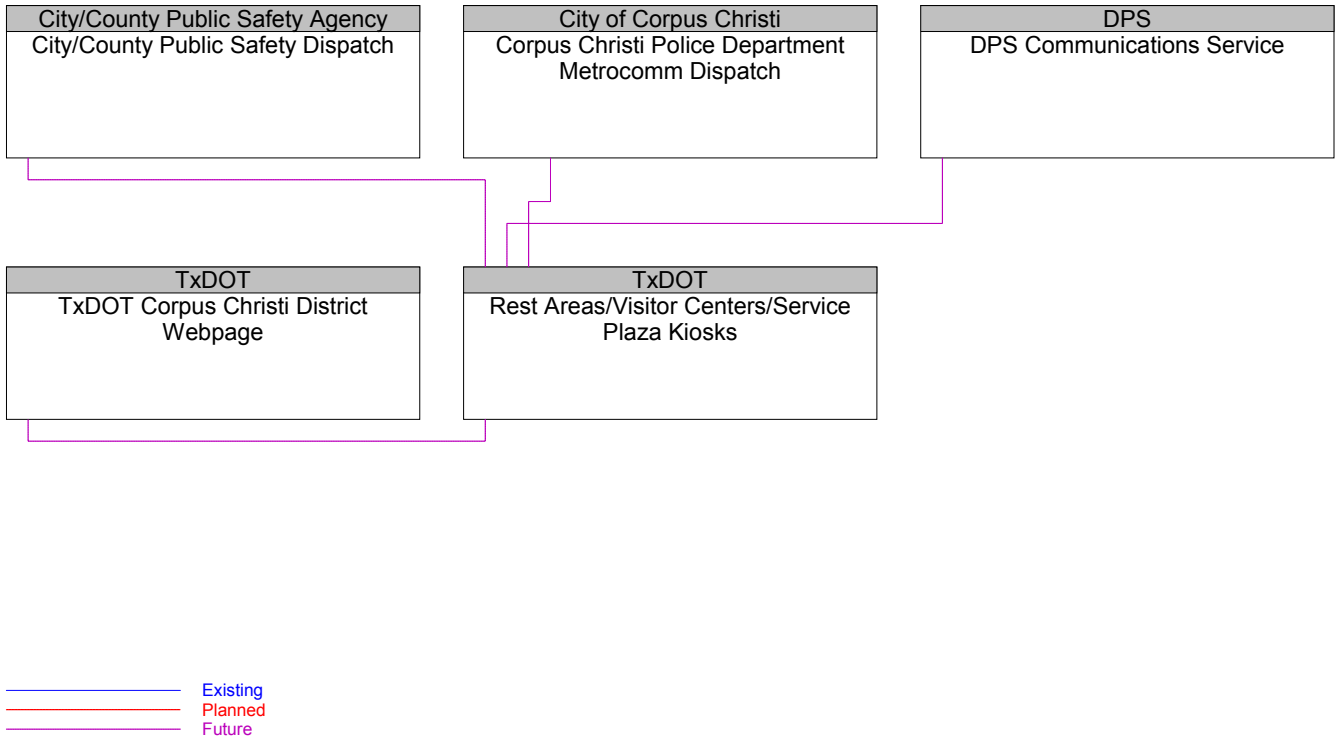

Figure B54 – RTA ADART Server Interfaces

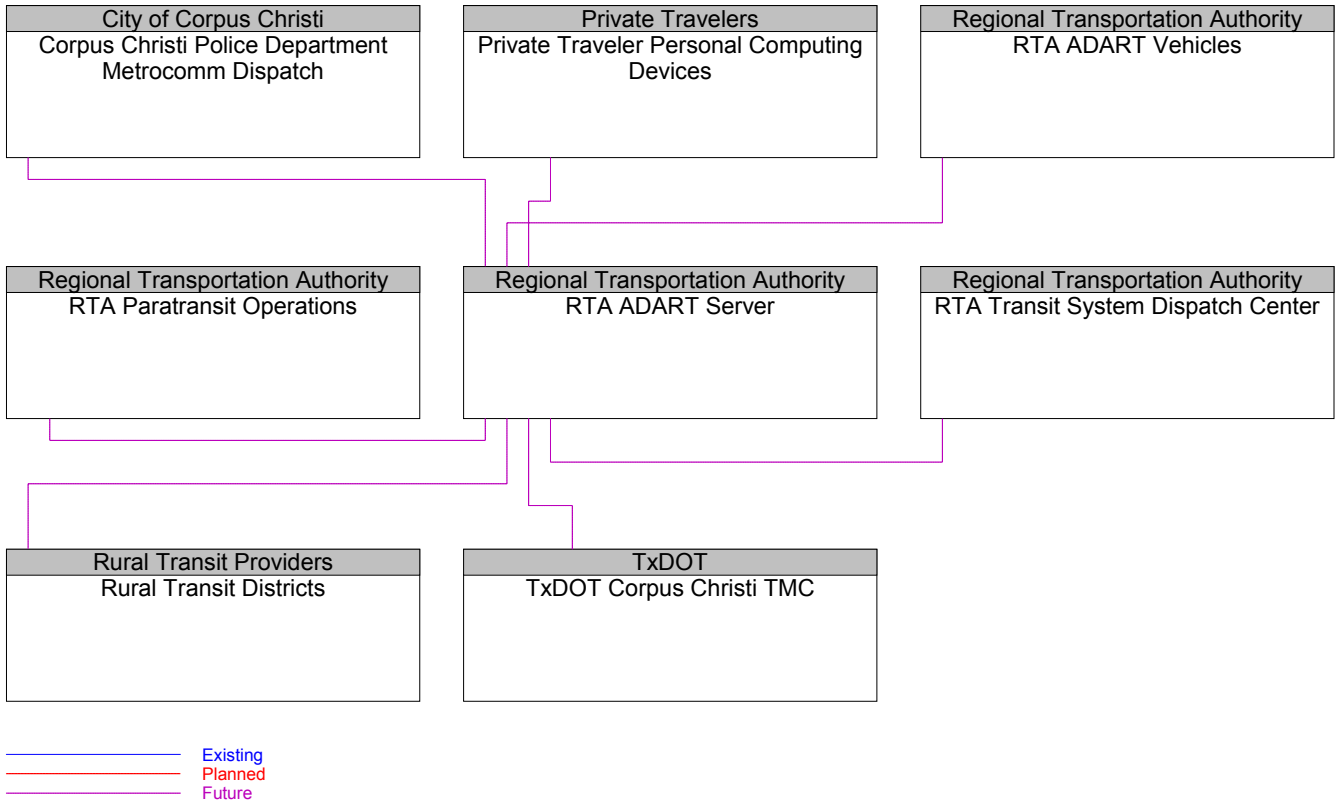

Figure B55 – RTA ADART Vehicles Interfaces

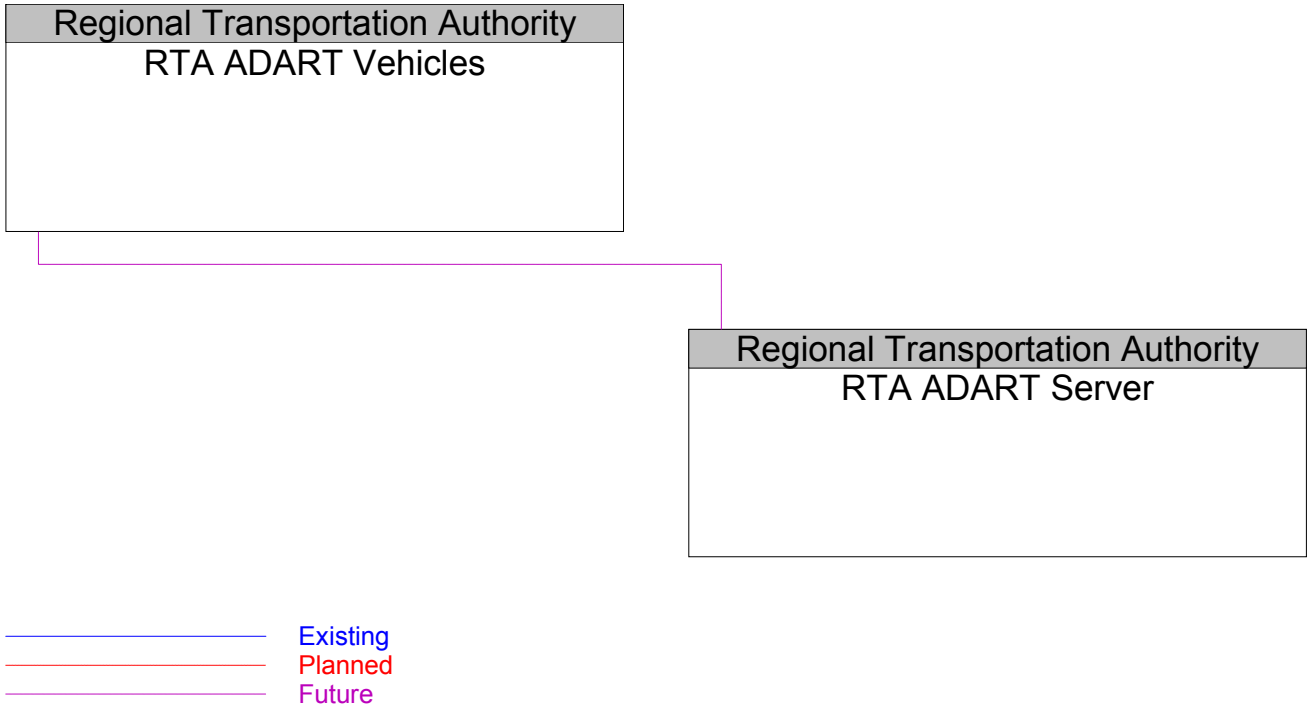

Figure B56 – RTA Kiosks Interfaces

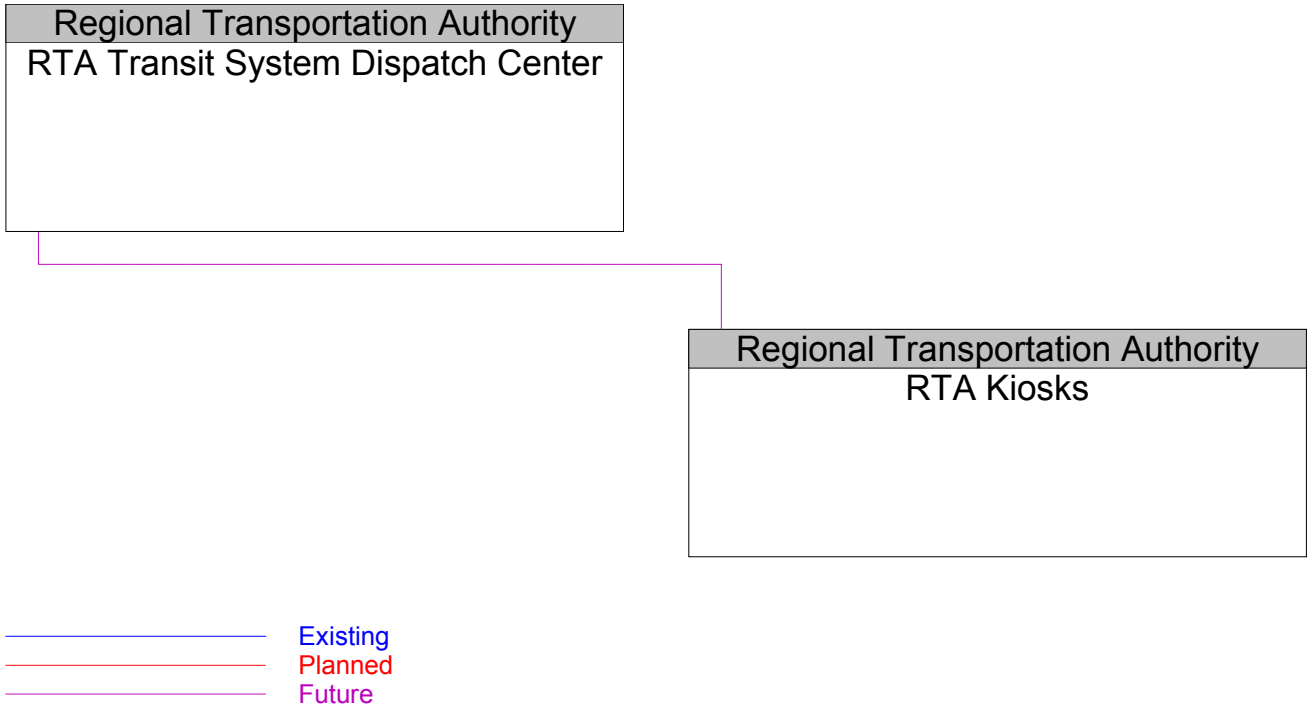

Figure B57 – RTA Paratransit Operations Interfaces

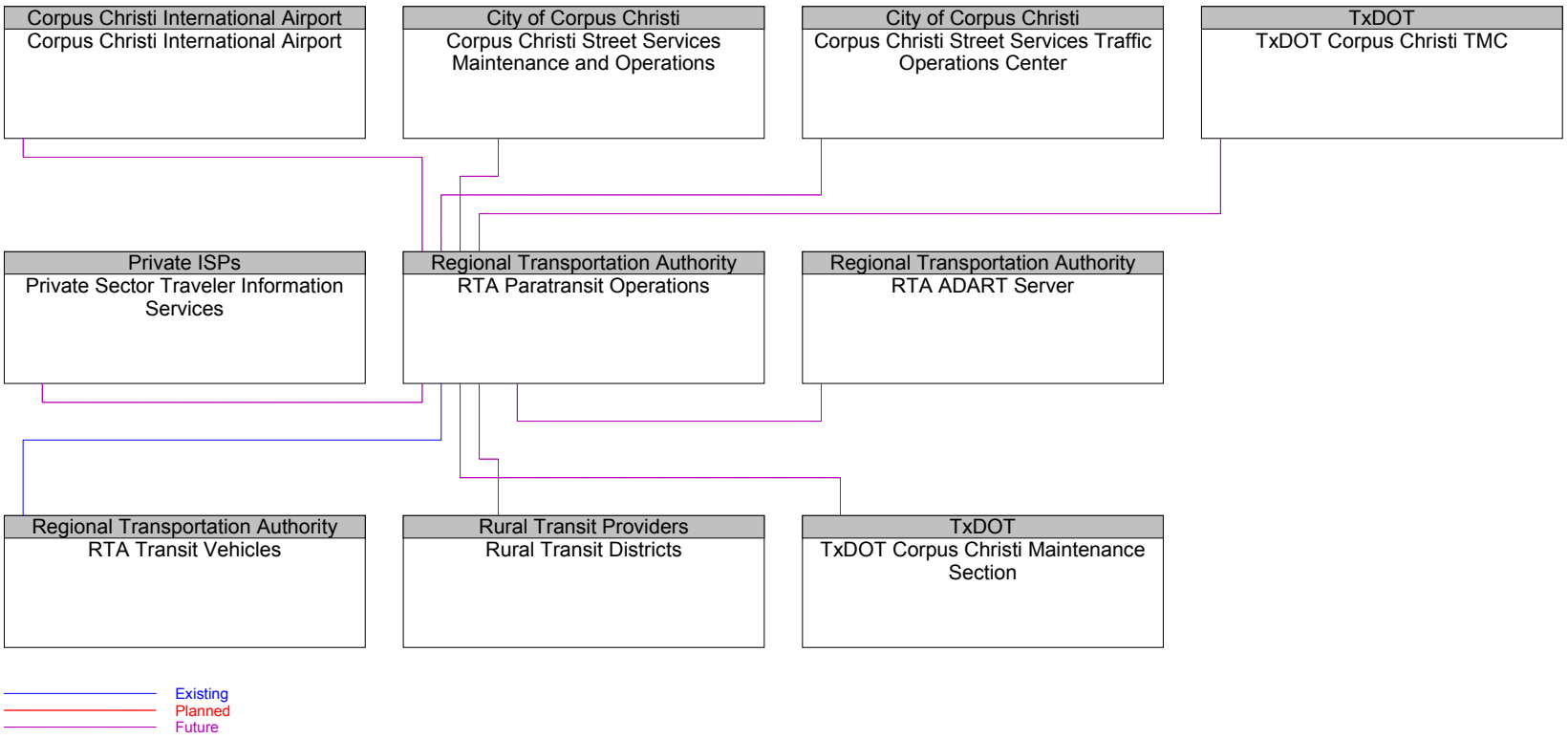

Figure B58 – RTA Transit System Dispatch Center Interfaces

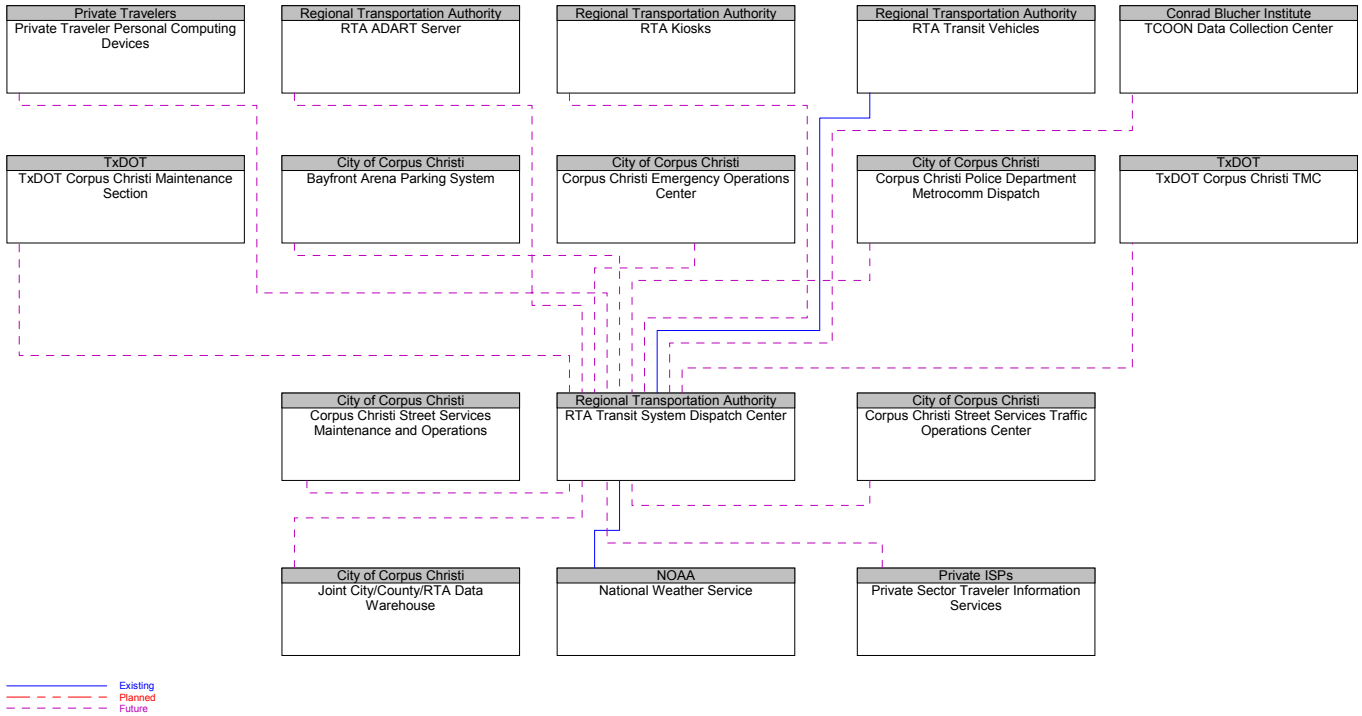

Figure B59 – RTA Transit Vehicles Interfaces

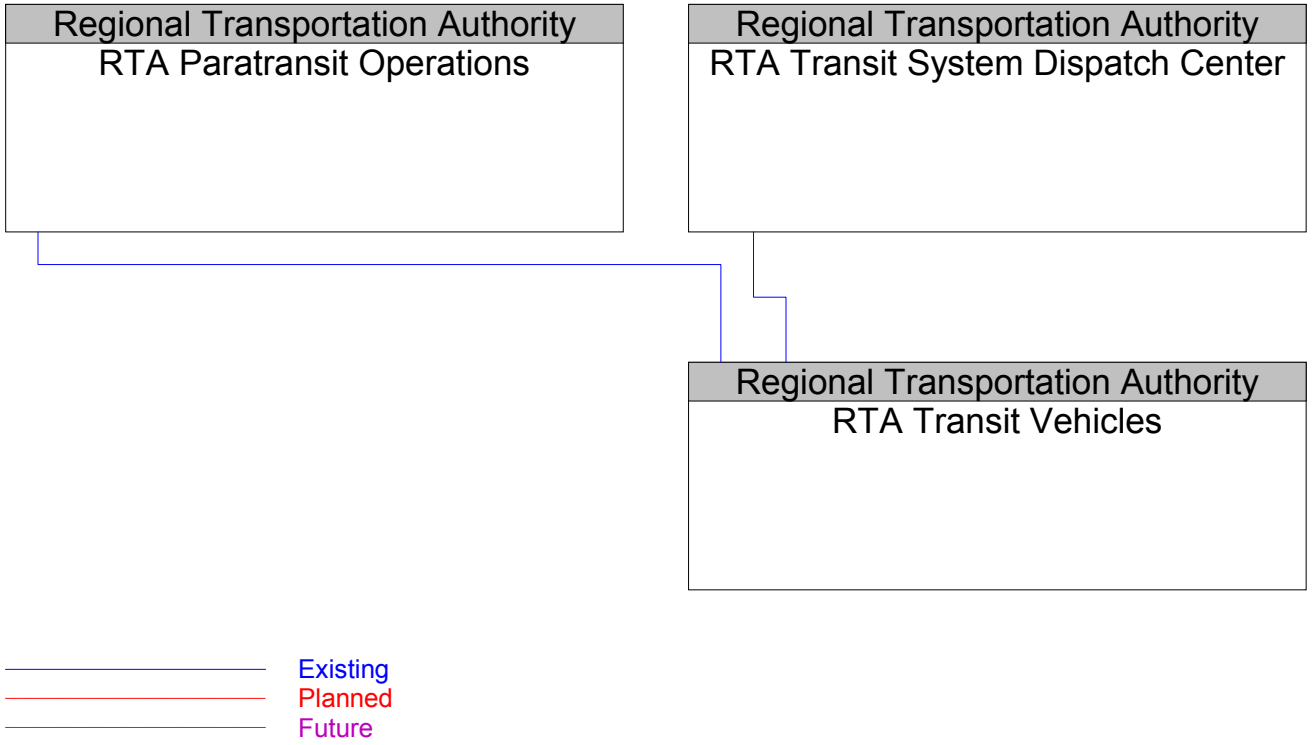

Figure B60 – Rural Transit Districts Interfaces

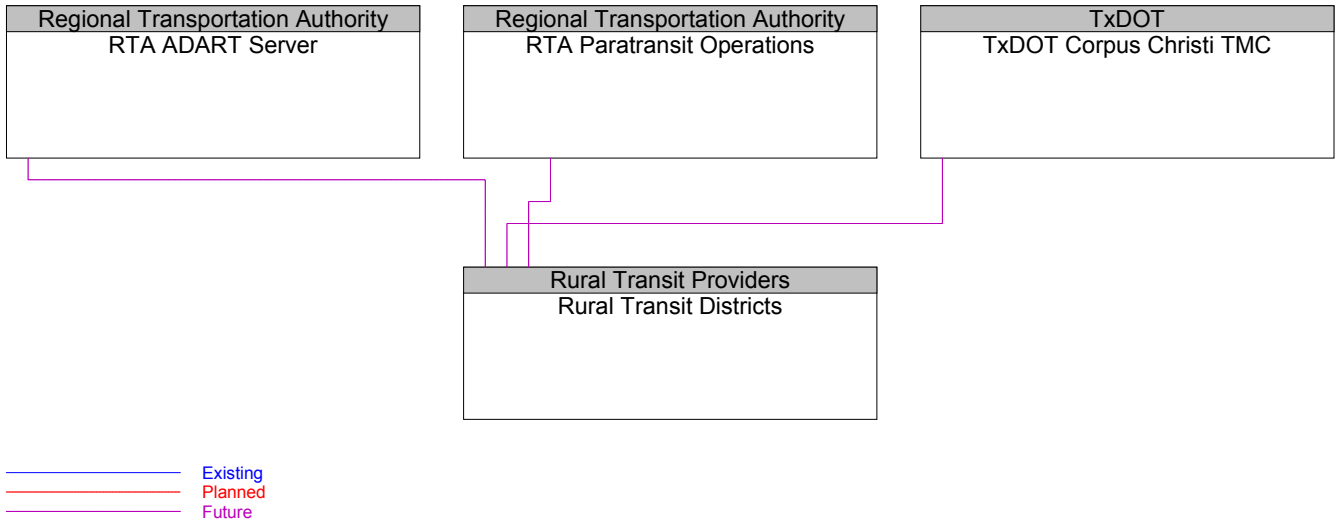

Figure B61 – School District Buses Interfaces

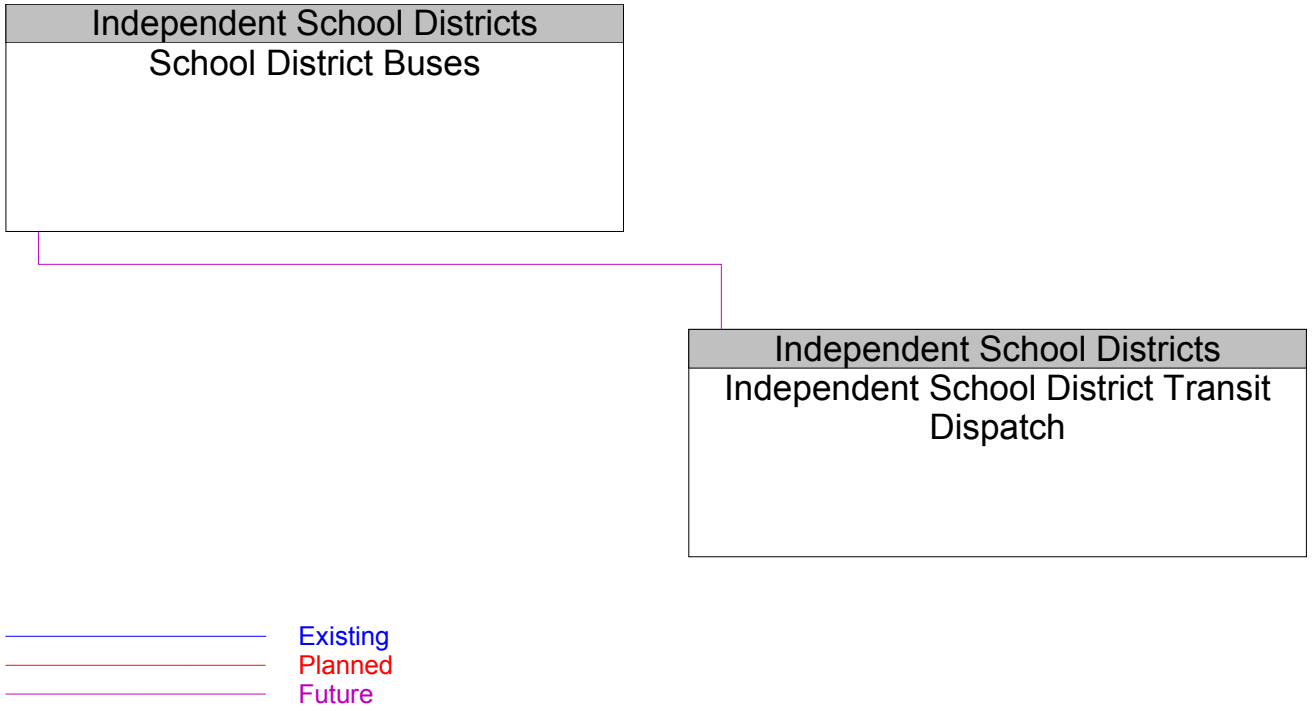

Figure B62 – State EOC Interfaces

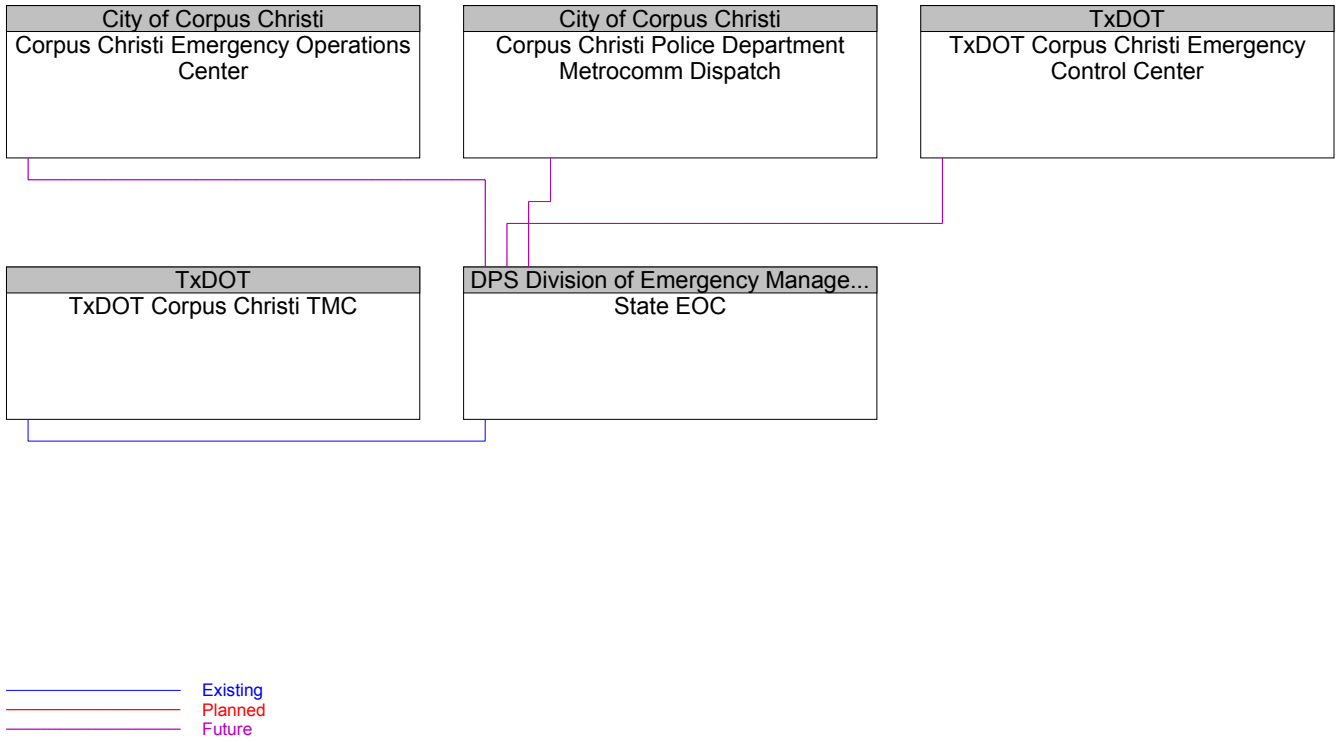

Figure B63 – TCEQ Air Quality Monitoring Center Interfaces

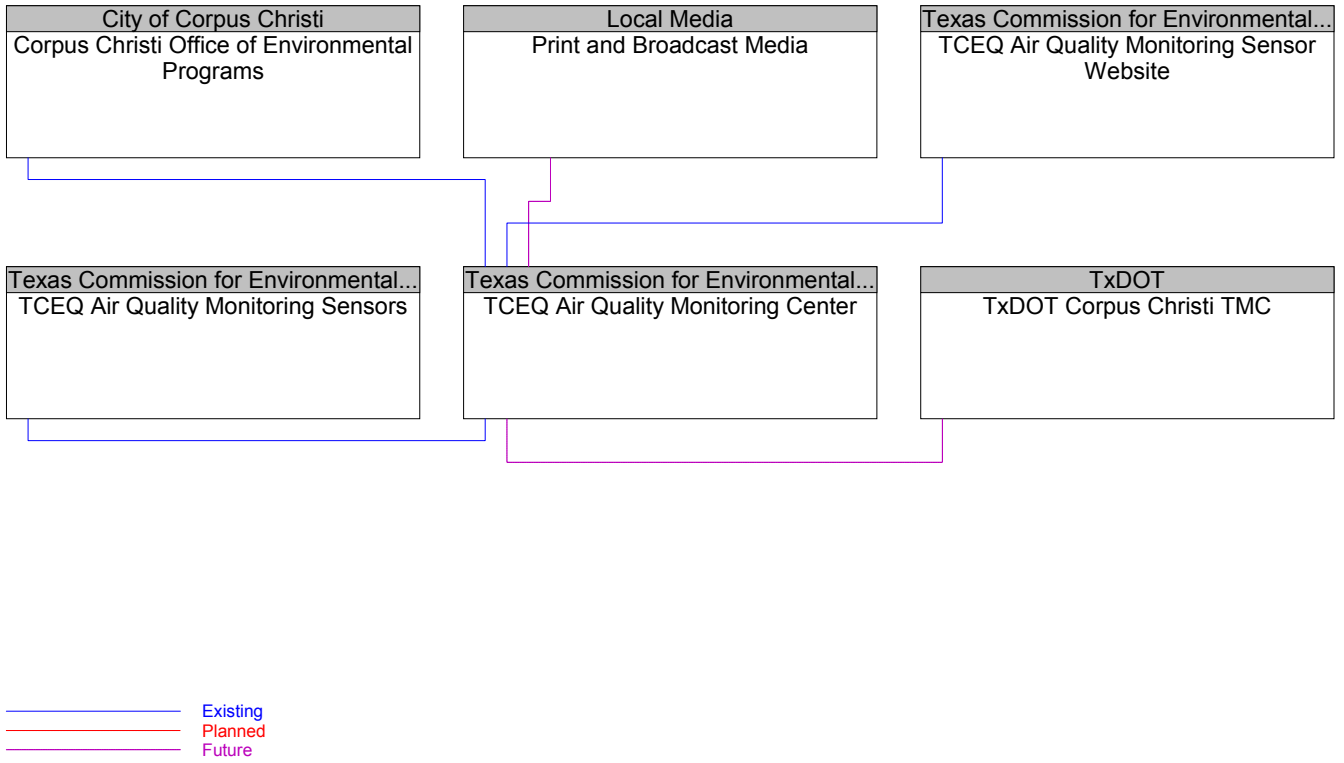

Figure B64 – TCEQ Air Quality Monitoring Sensor Website Interfaces

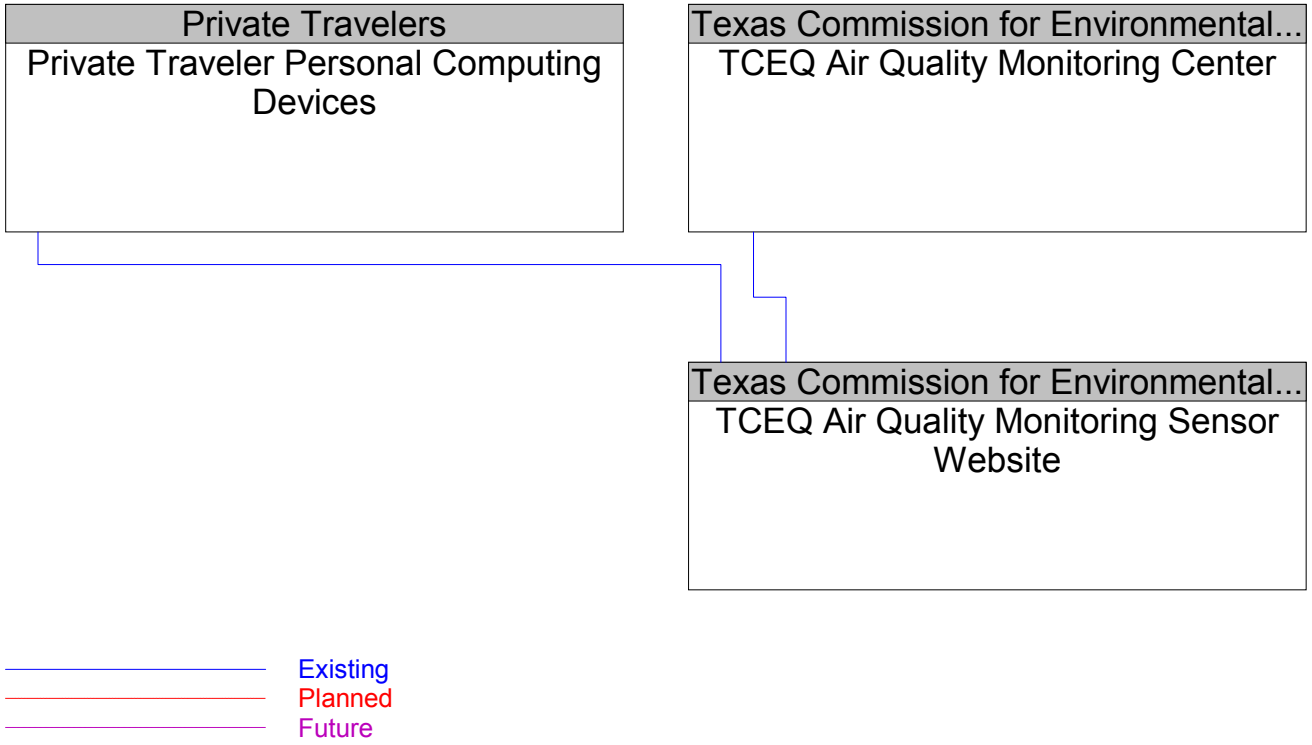

Figure B65 – TCEQ Air Quality Monitoring Sensors Interfaces

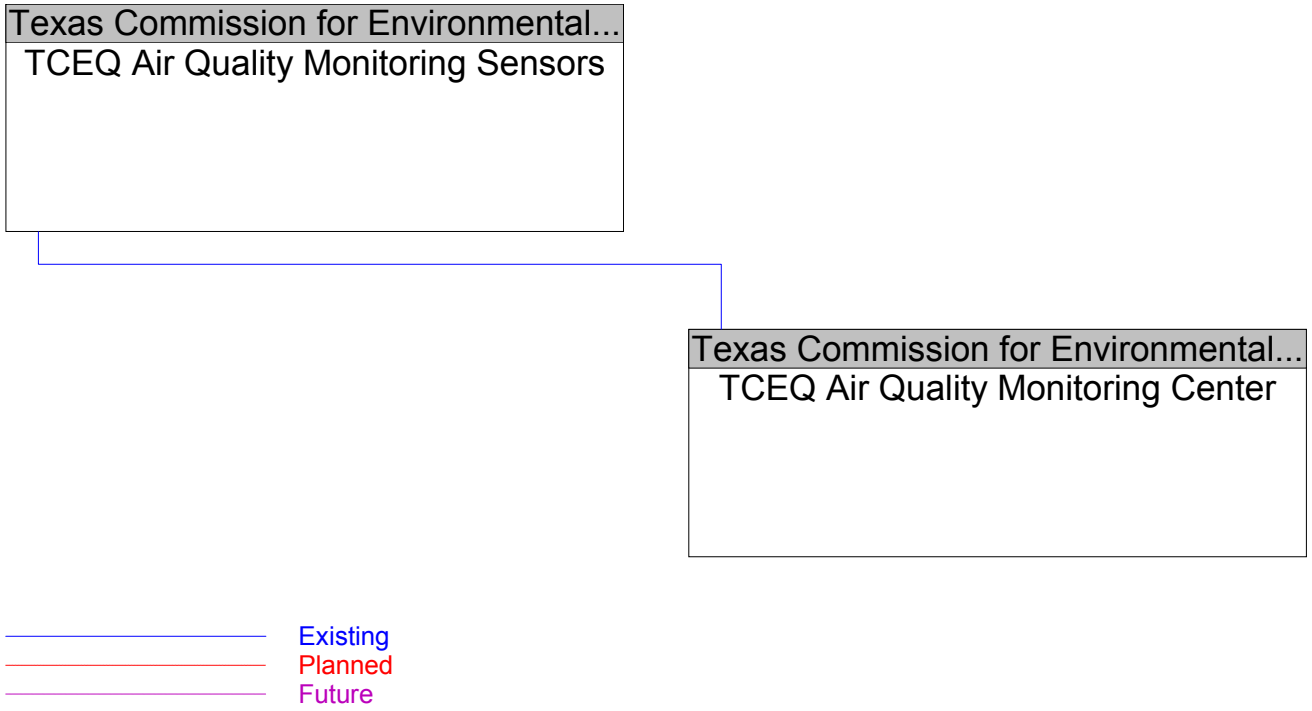

Figure B66 – TCOON Coastal Weather Sensors Interfaces

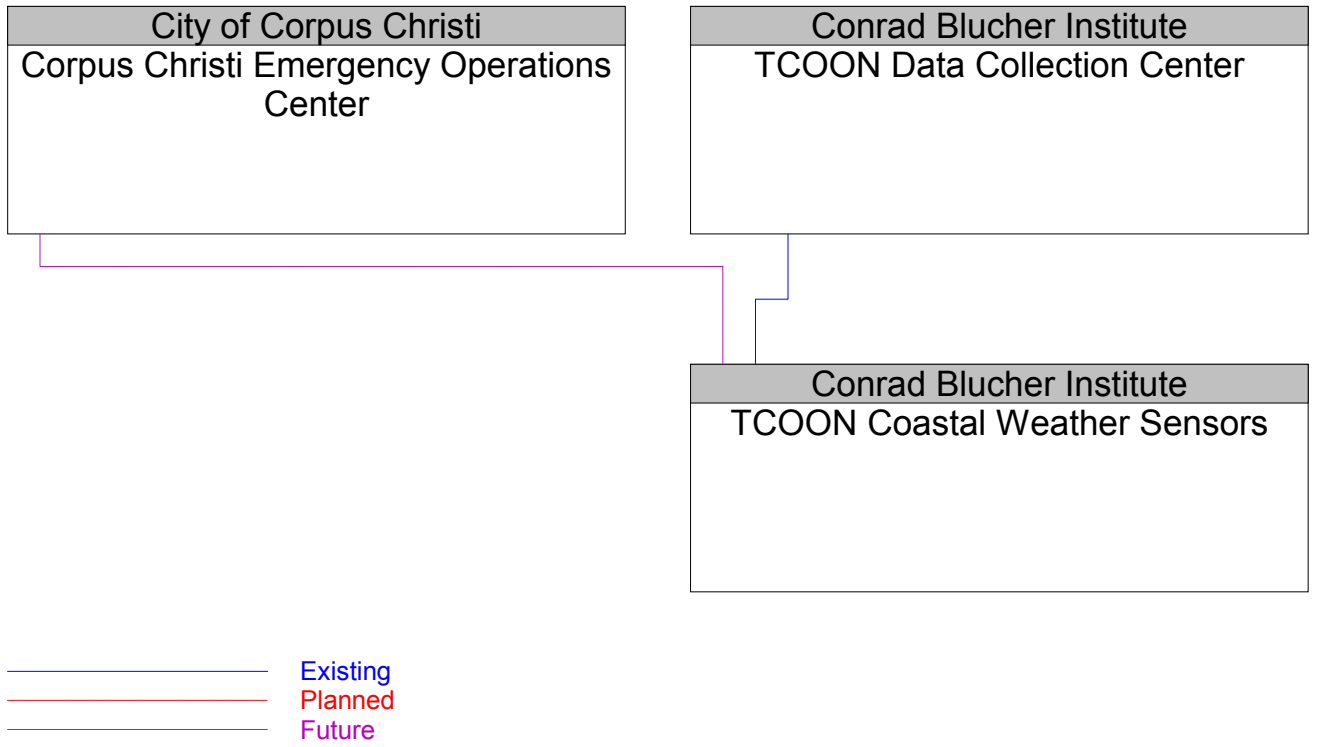

Figure B67 – TCOON Data Collection Center Interfaces

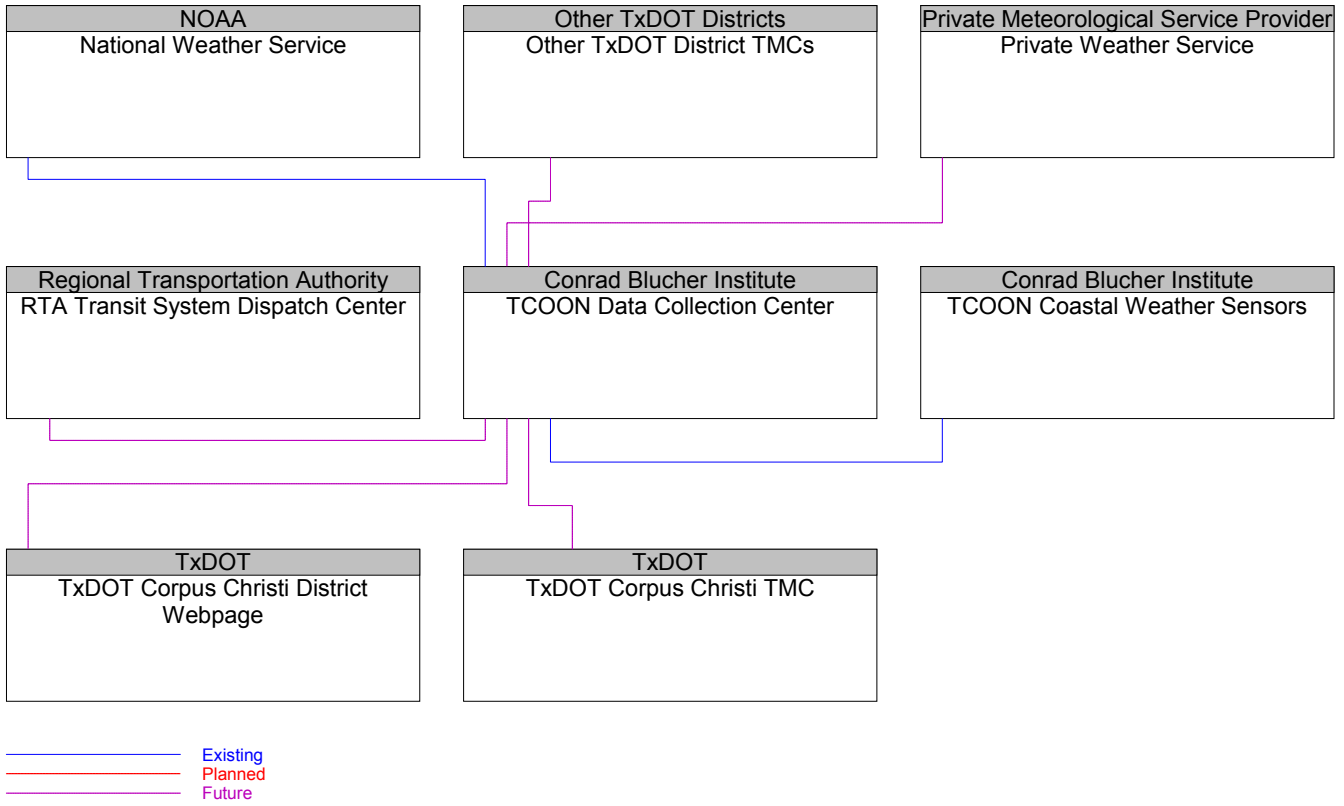

Figure B68 – Telco 911 Call Routing Interfaces

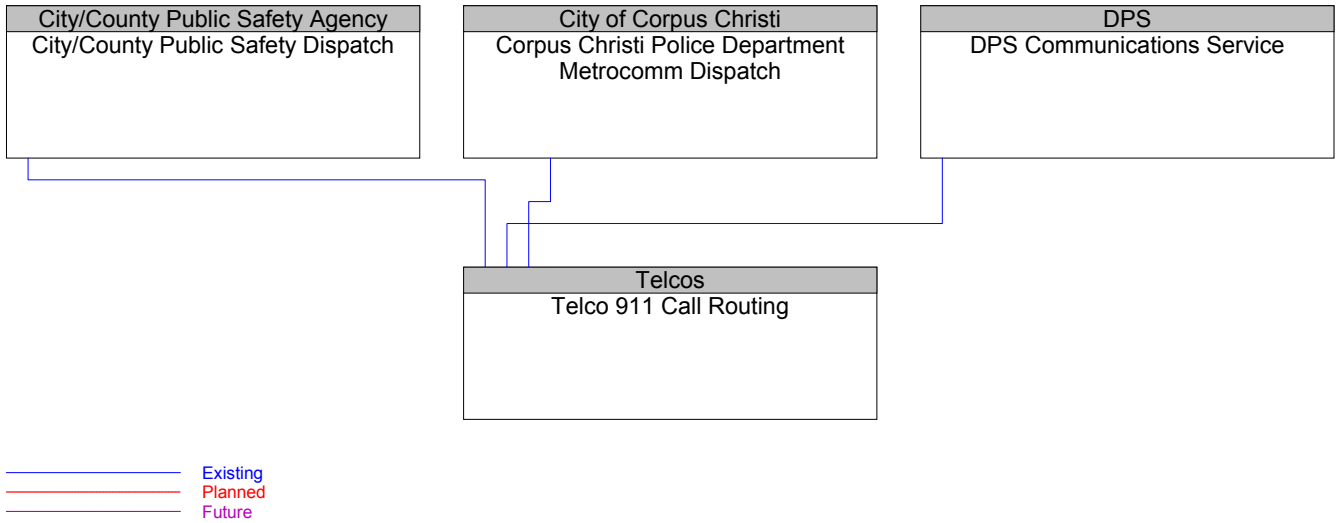

Figure B69 – Tule Lake Lift Bridge Interfaces

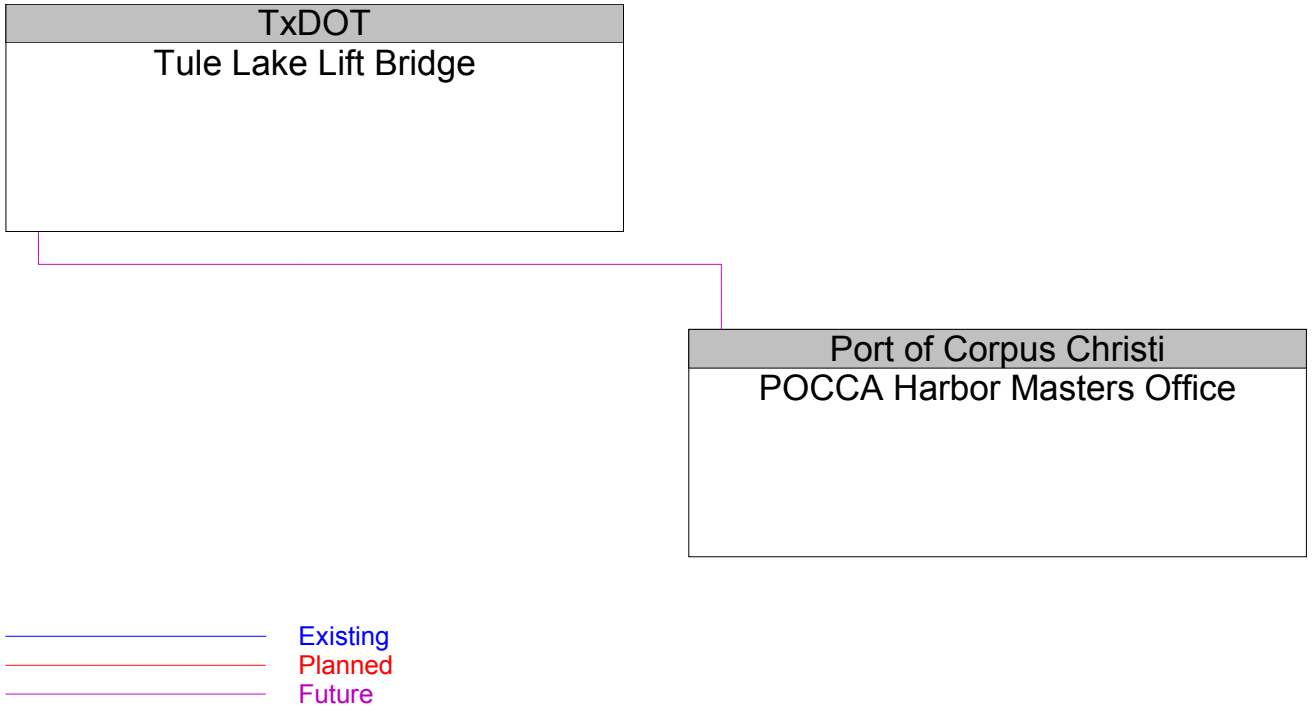

Figure B70 – TxDOT Area Engineering Interfaces

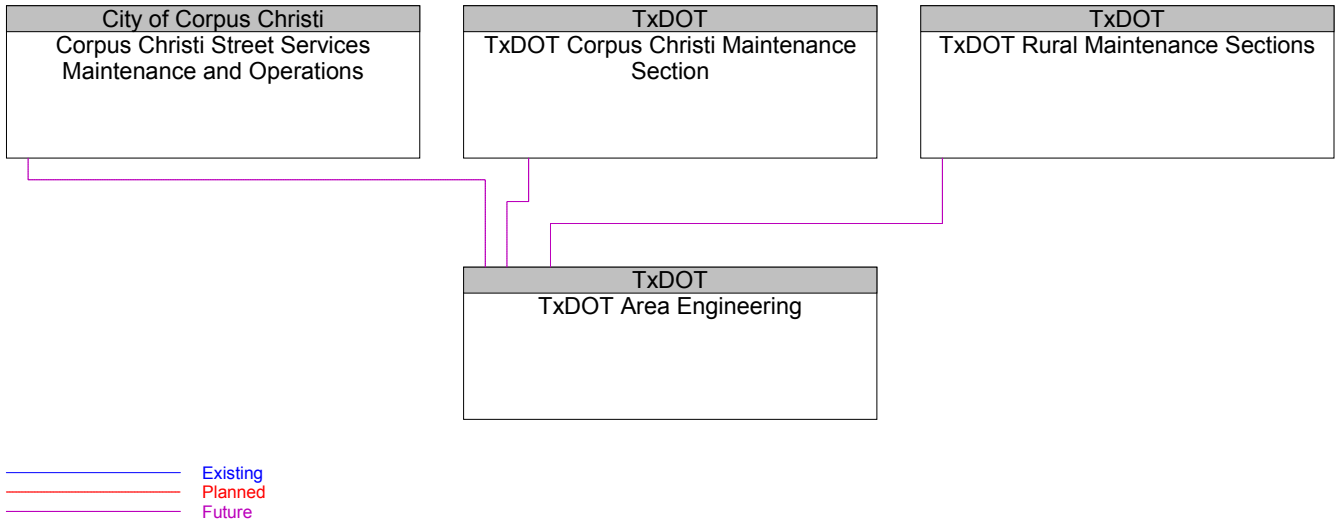

Figure B71 – TxDOT Corpus Christi CCTV Interfaces

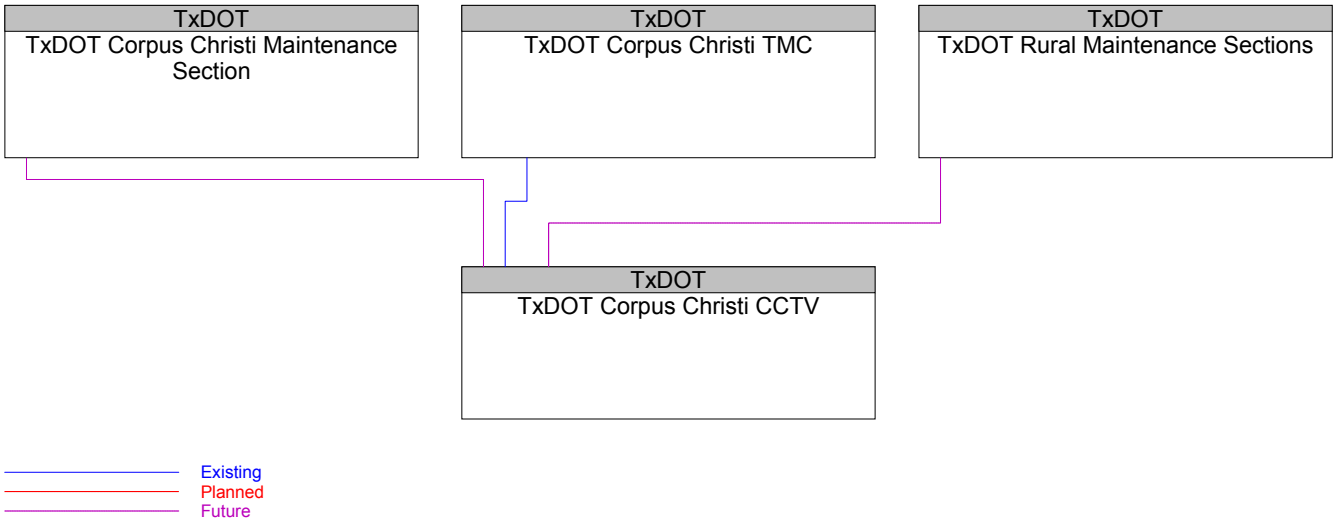

Figure B72 – TxDOT Corpus Christi District Webpage Interfaces

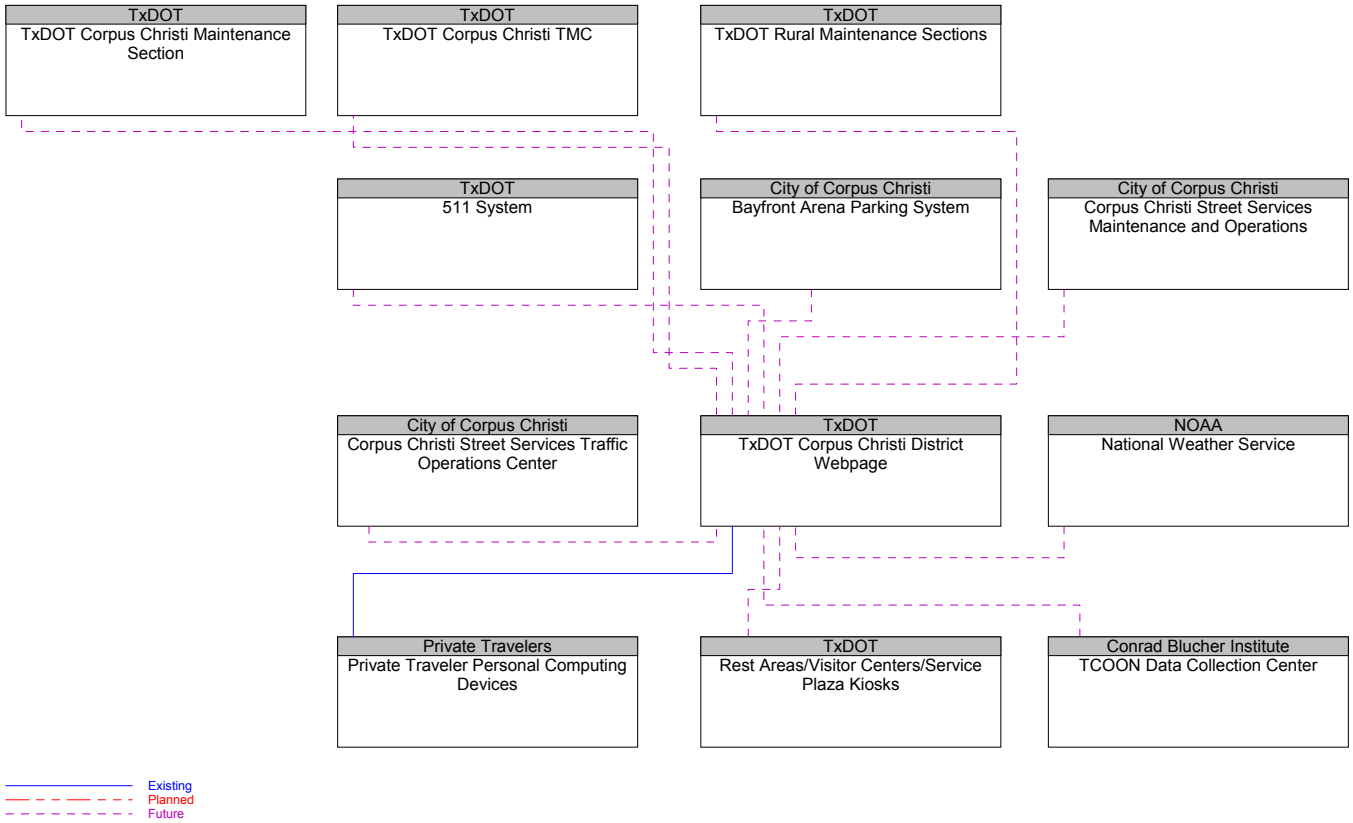

Figure B73 – TxDOT Corpus Christi DMS Interfaces

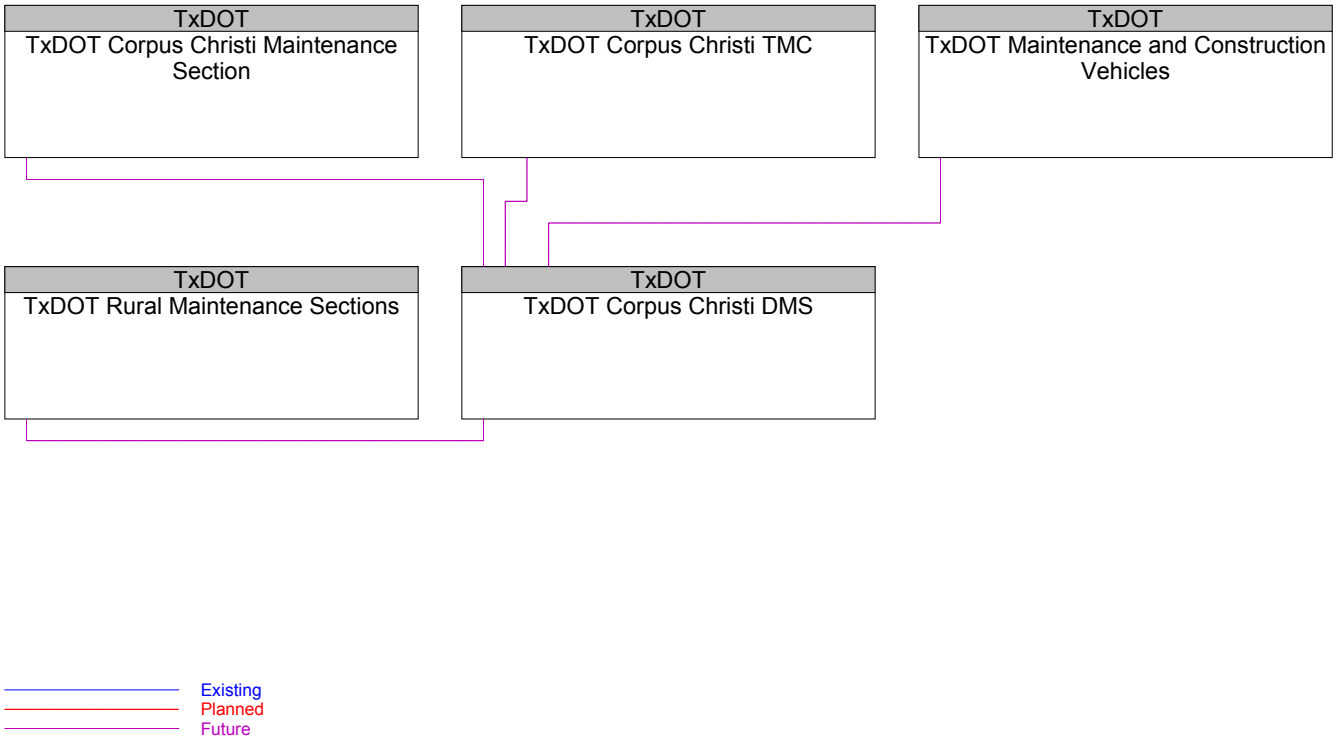

Figure B74 – TxDOT Corpus Christi Emergency Control Center Interfaces

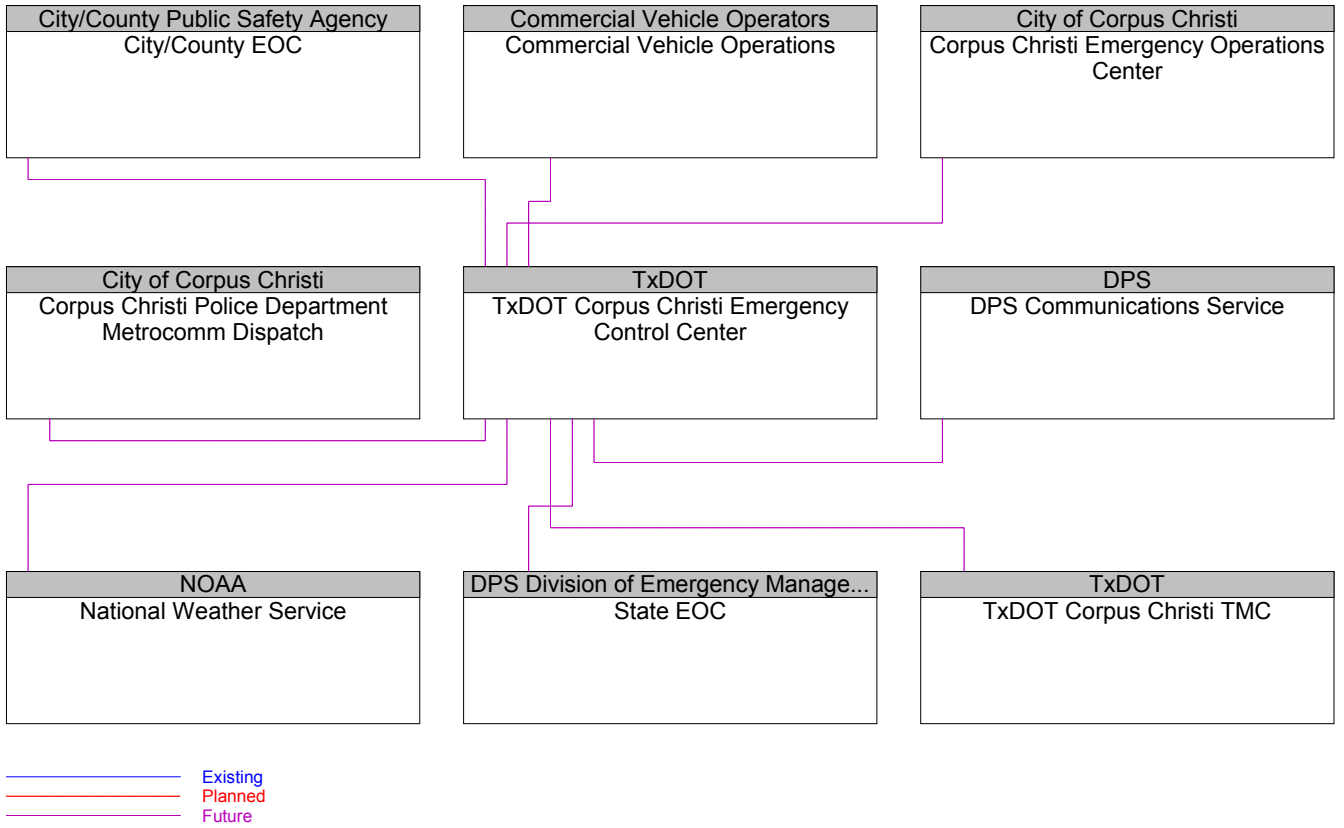

Figure B75 – TxDOT Corpus Christi Field Sensors Interfaces

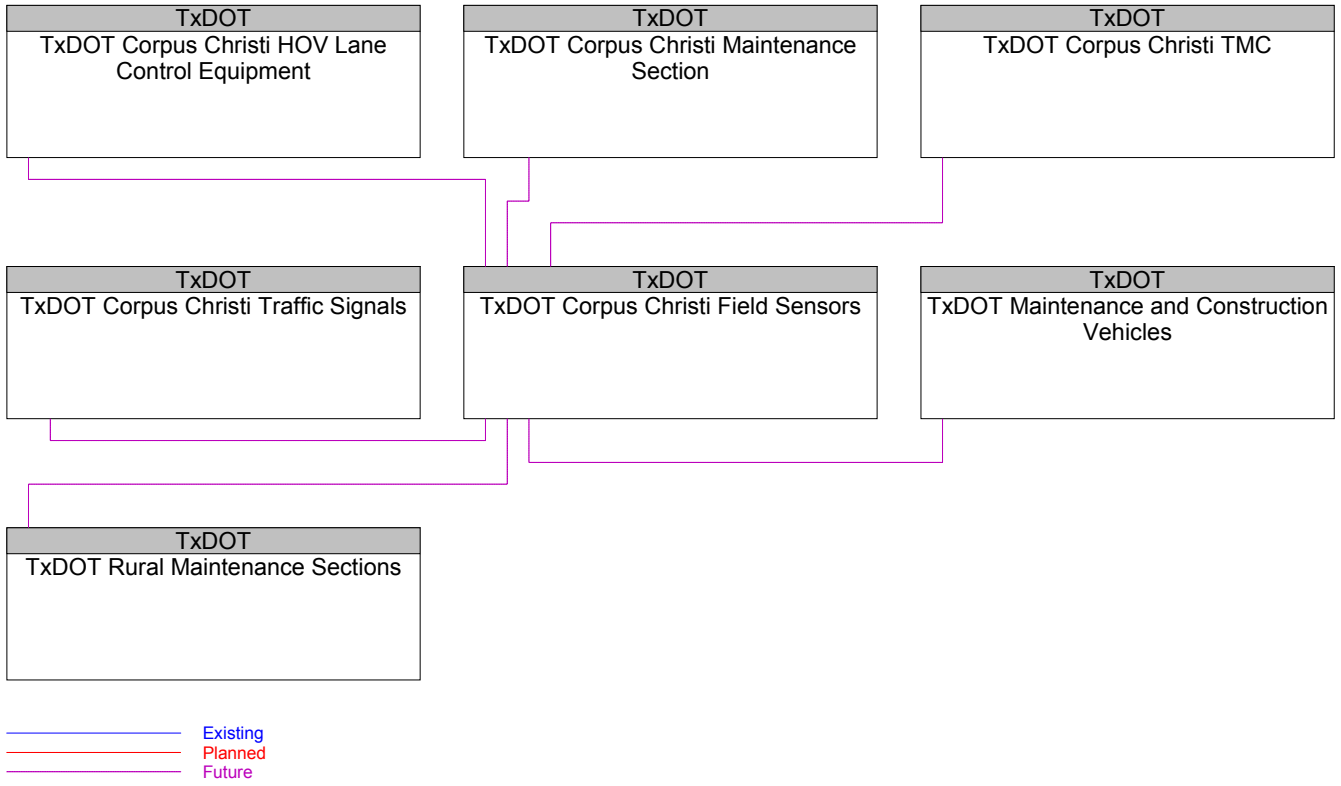

Figure B76 – TxDOT Corpus Christi HAR Interfaces

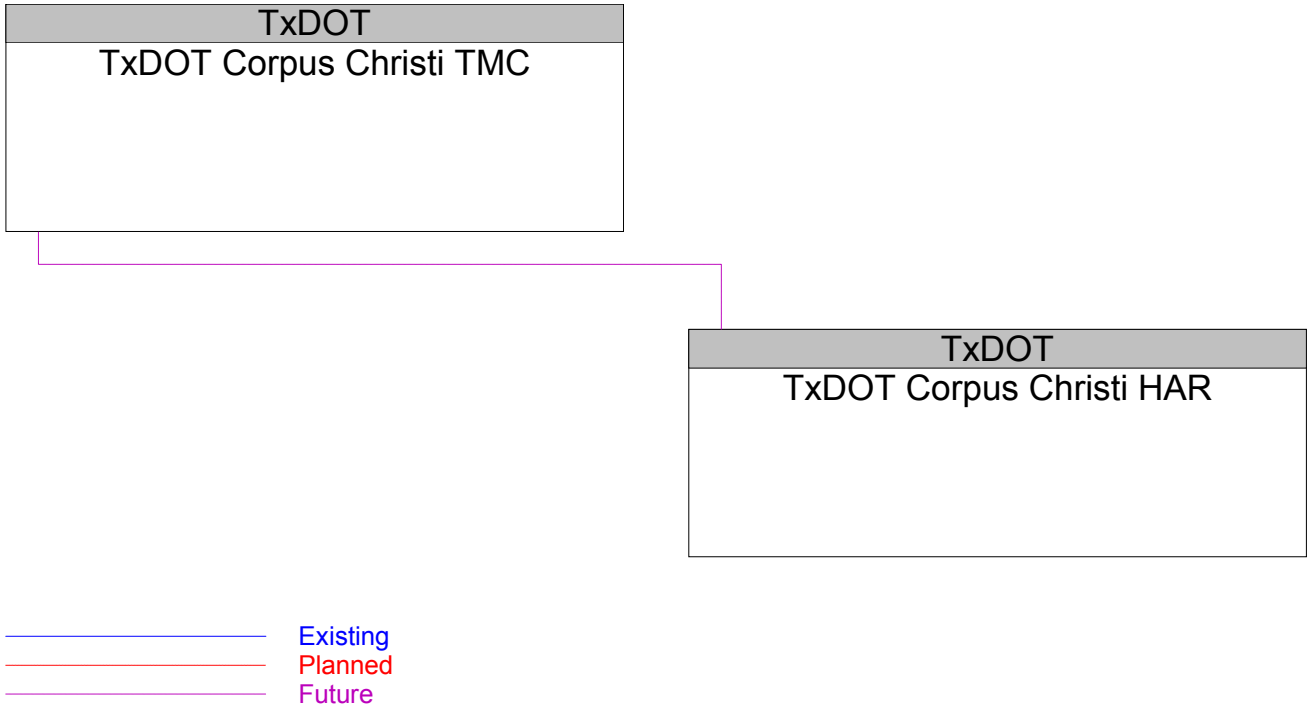

Figure B77 – TxDOT Corpus Christi HOV Lane Control Equipment Interfaces

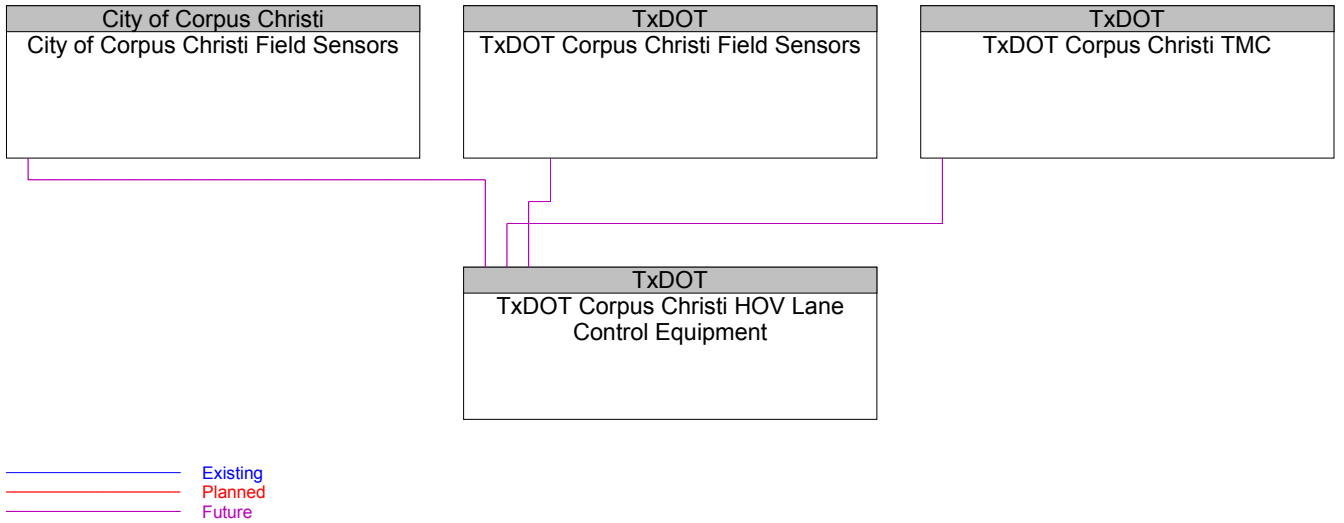

Figure B78 – TxDOT Corpus Christi Maintenance Section Interfaces

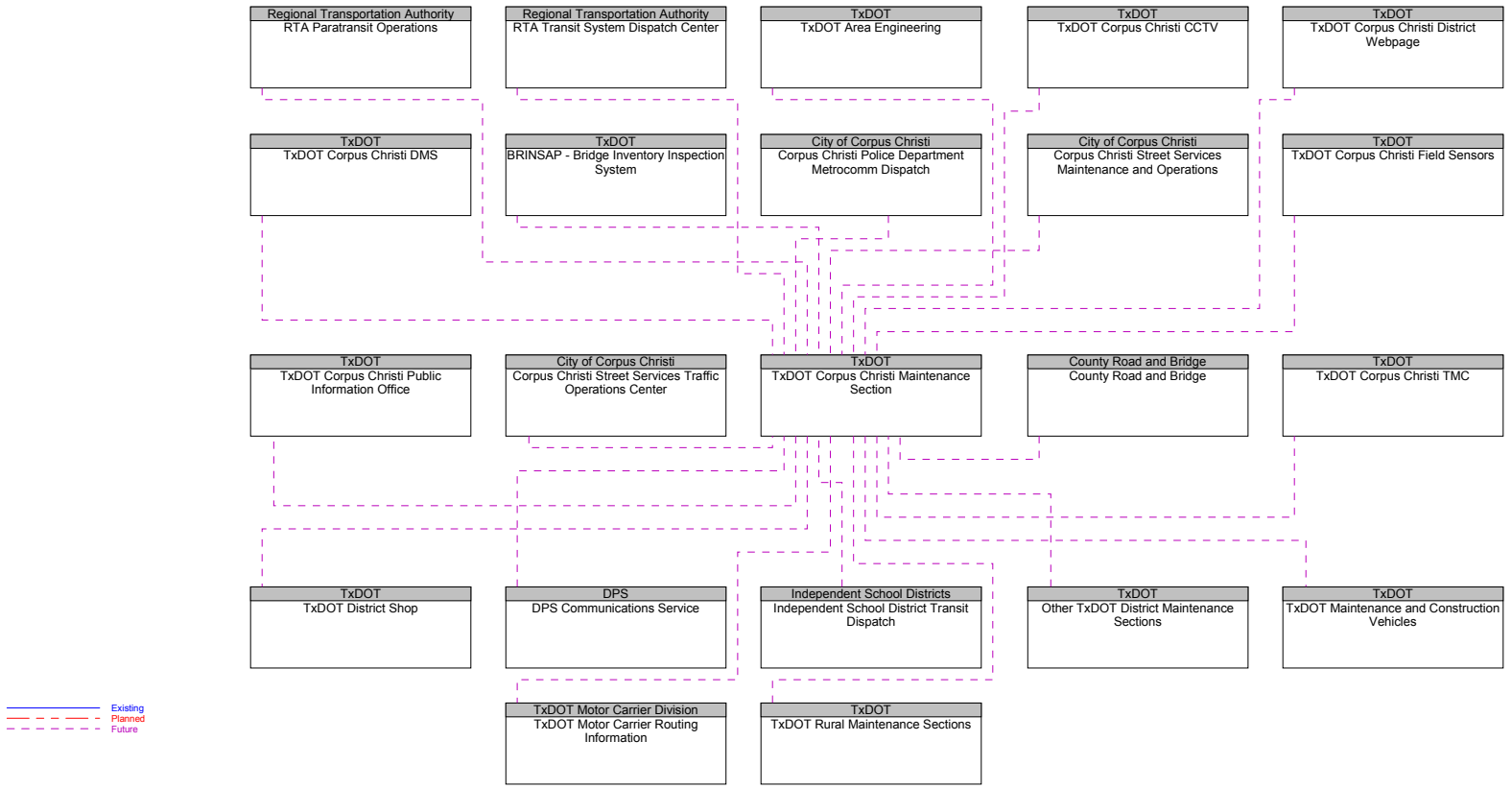

Figure B79 – TxDOT Corpus Christi Public Information Office Interfaces

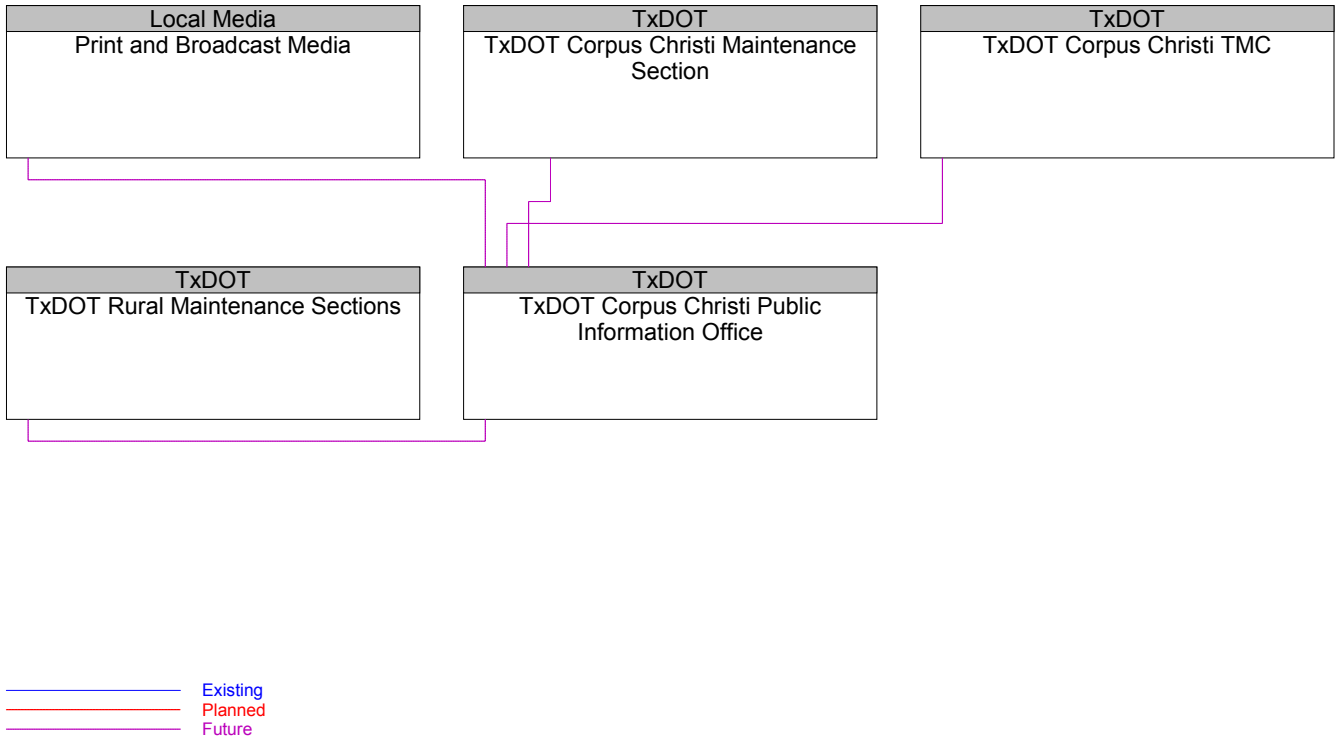

Figure B80 – TxDOT Corpus Christi TMC Interfaces

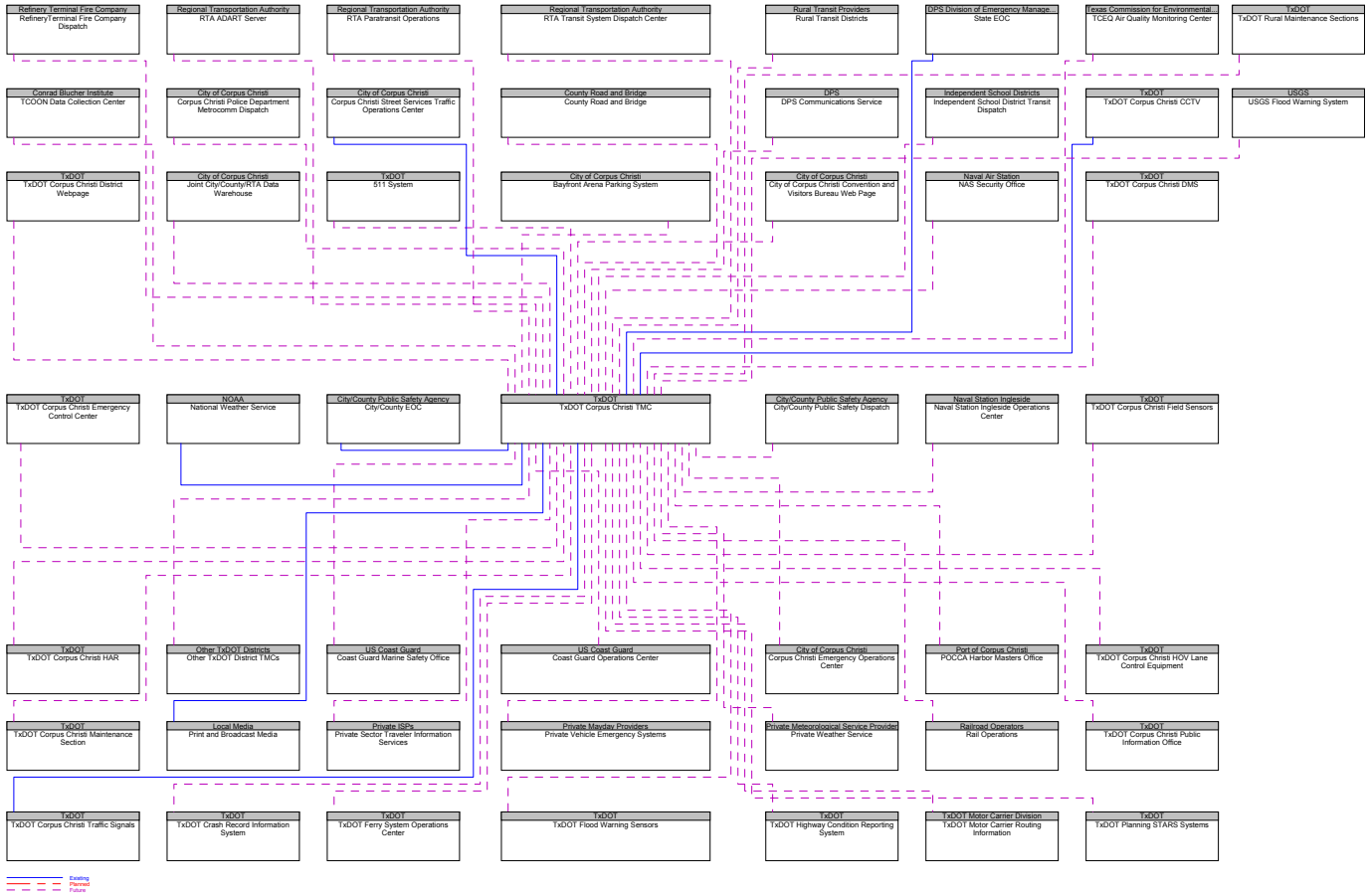

Figure B81 – TxDOT Corpus Christi Traffic Signals Interfaces

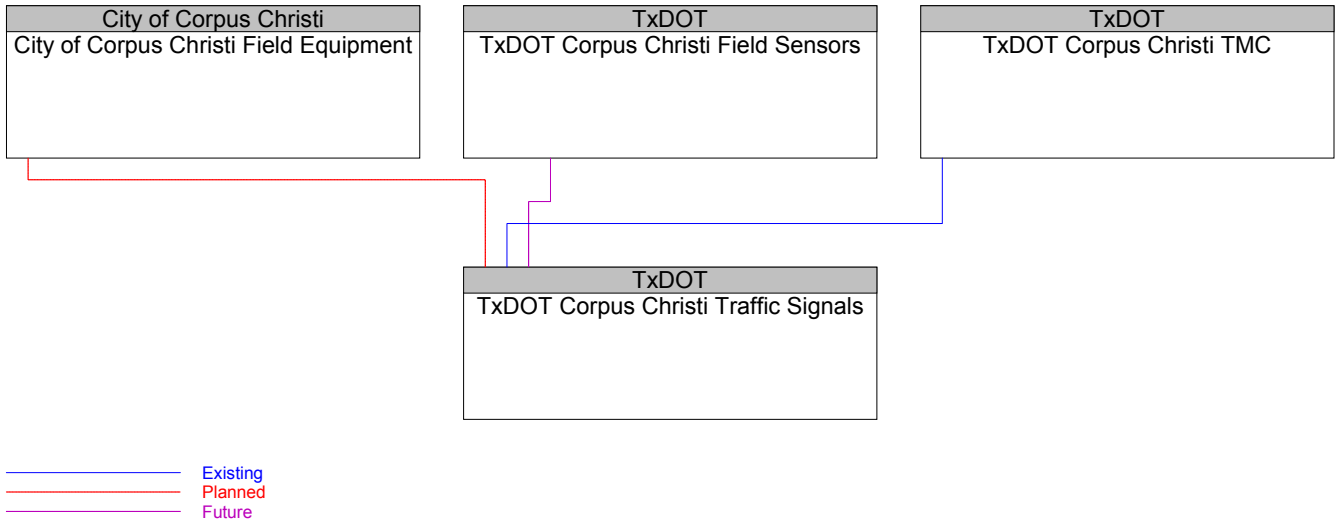

Figure B82 – TxDOT Crash Record Information System Interfaces

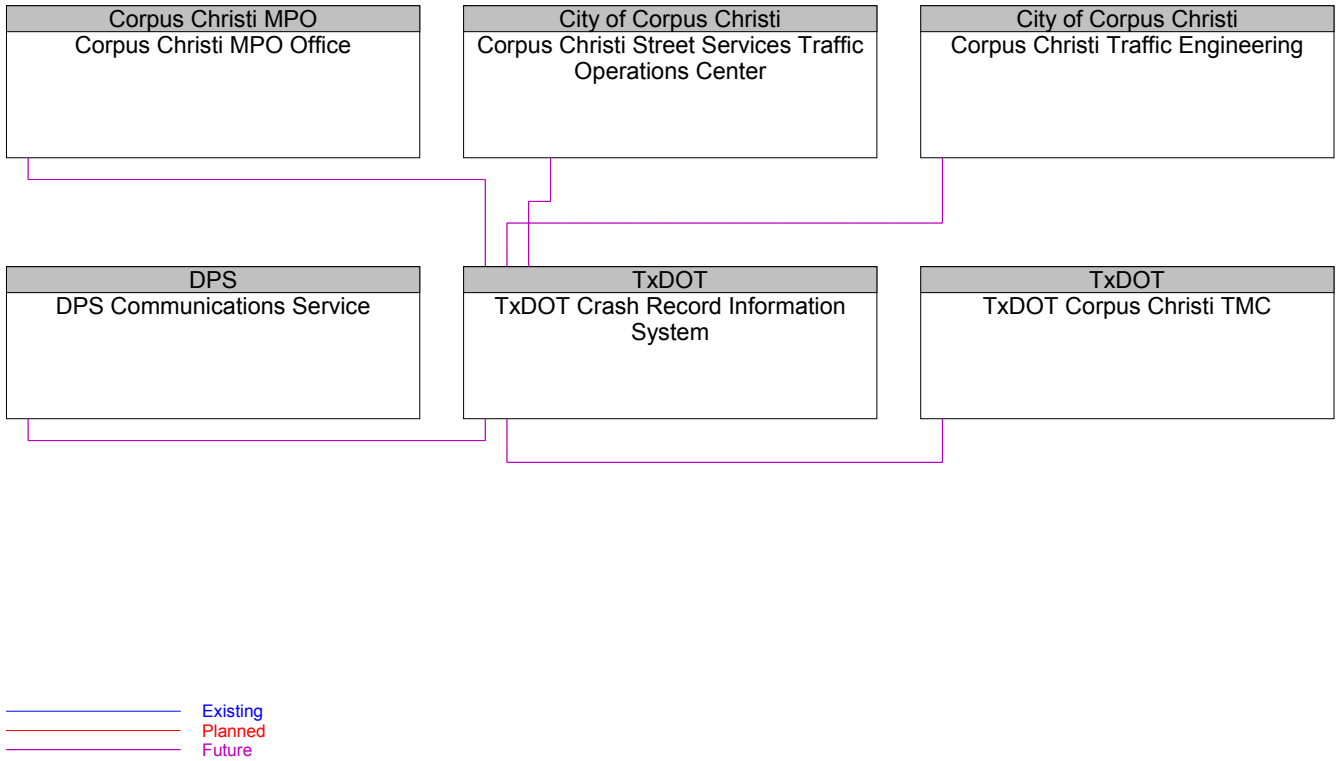

Figure B83 – TxDOT District Shop Interfaces

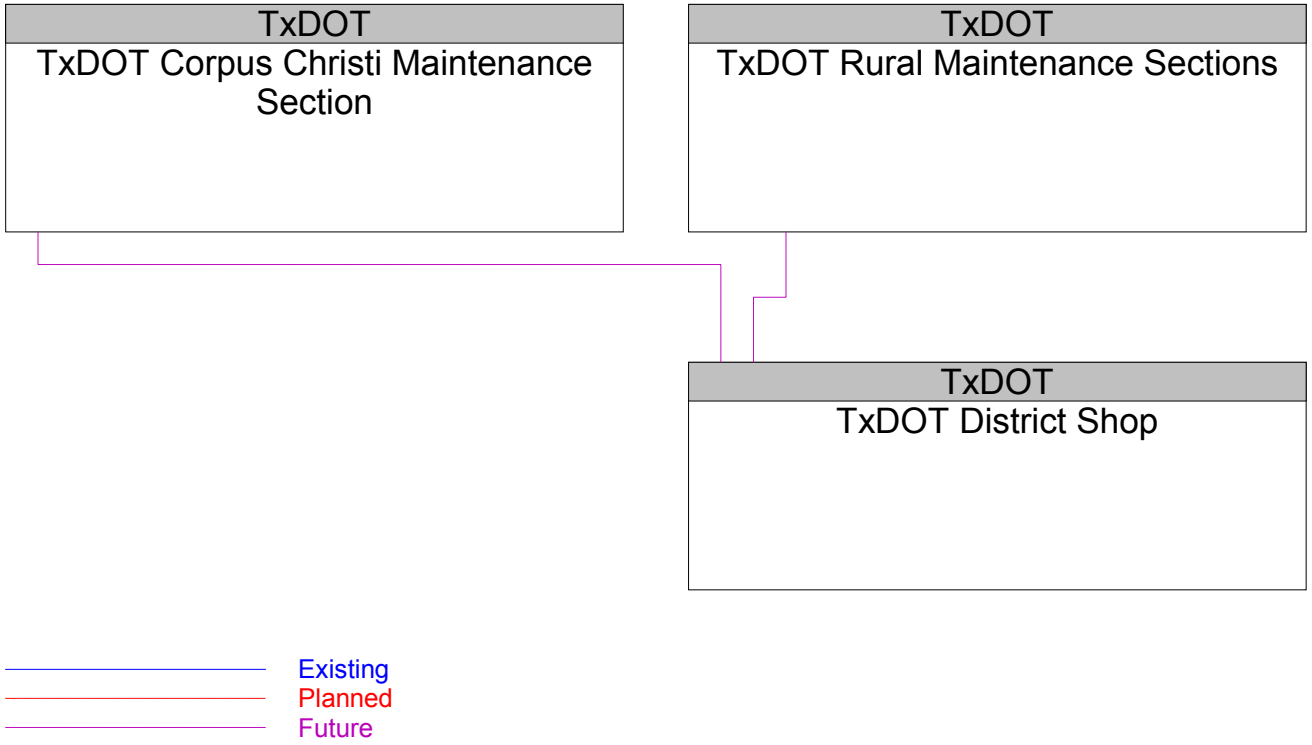

Figure B84 – TxDOT Ferry System Field Equipment Interfaces

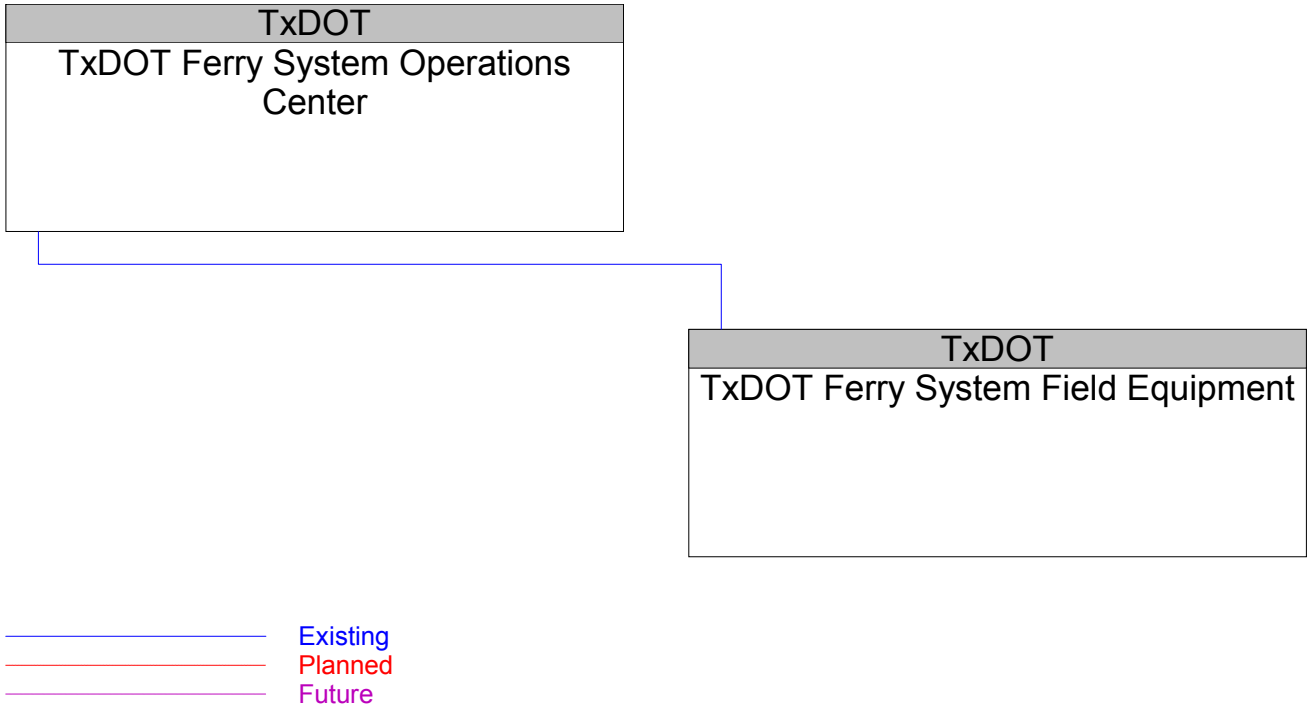

Figure B85 – TxDOT Ferry System Operations Center Interfaces

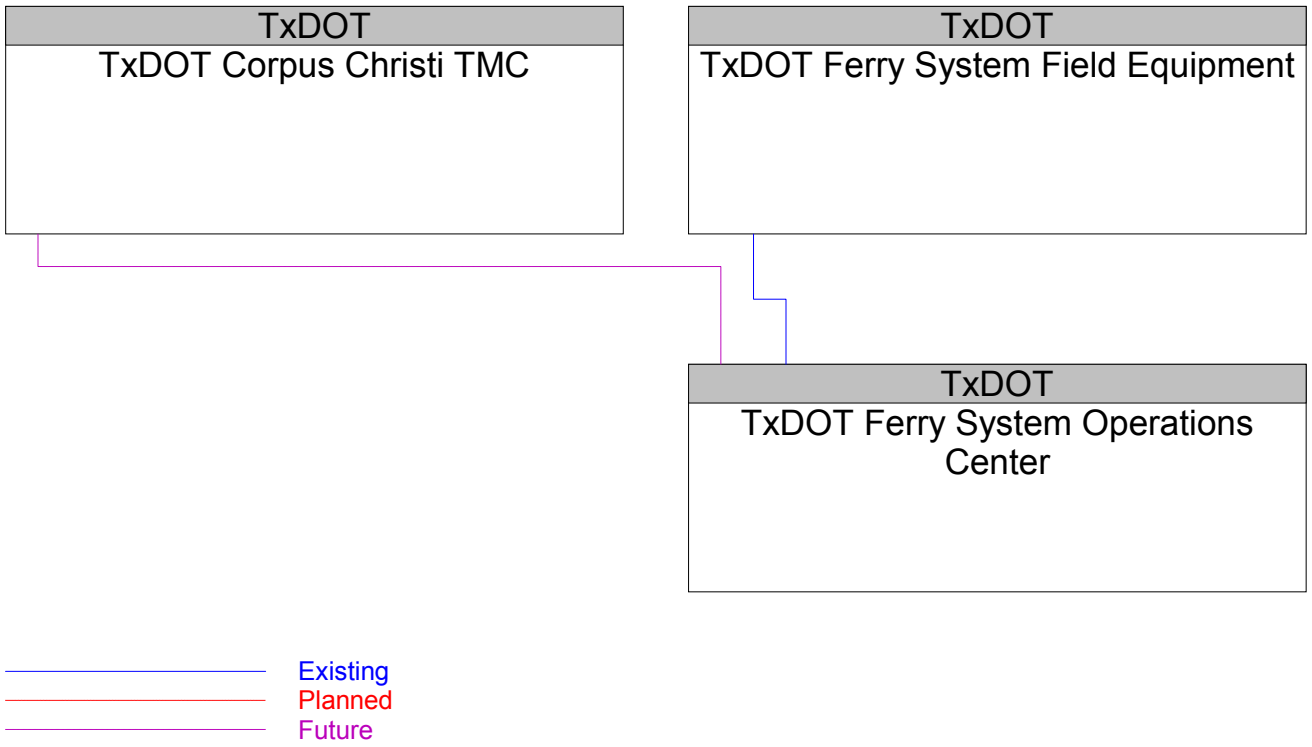

Figure B86 – TxDOT Warning Sensors Interfaces

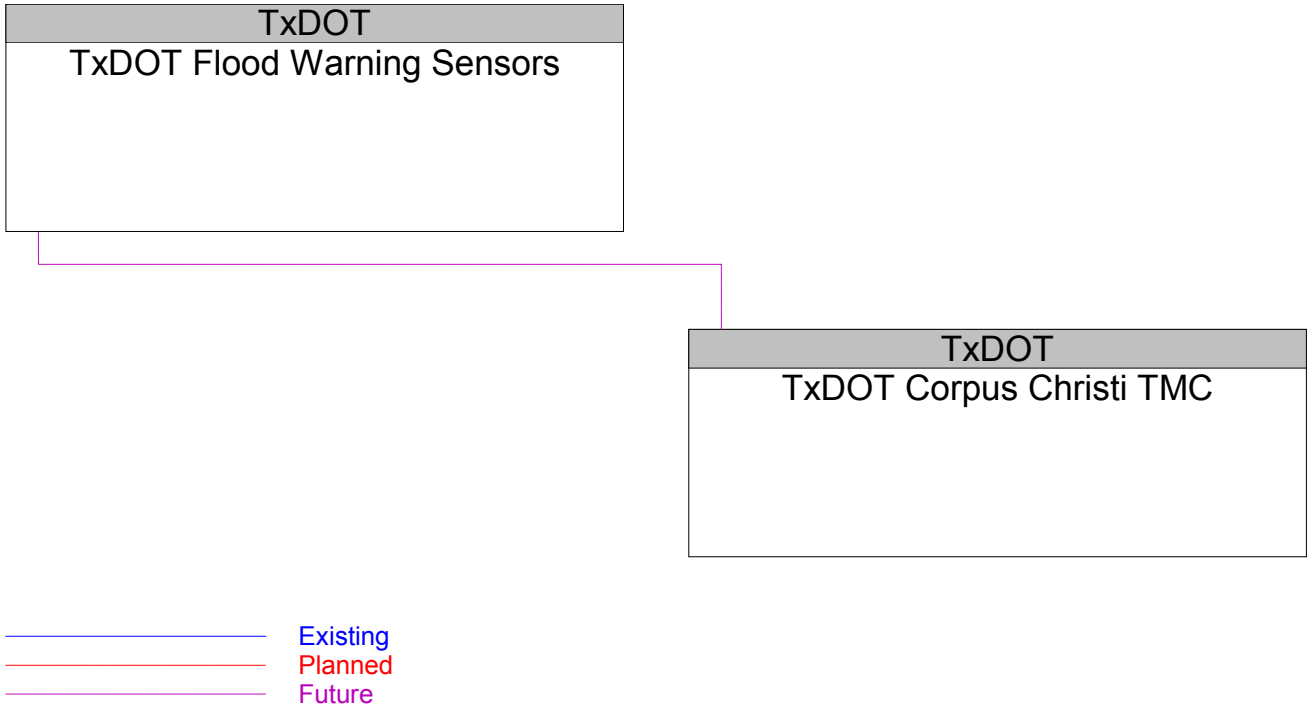

Figure B87 – TxDOT Highway Condition Reporting System Interfaces

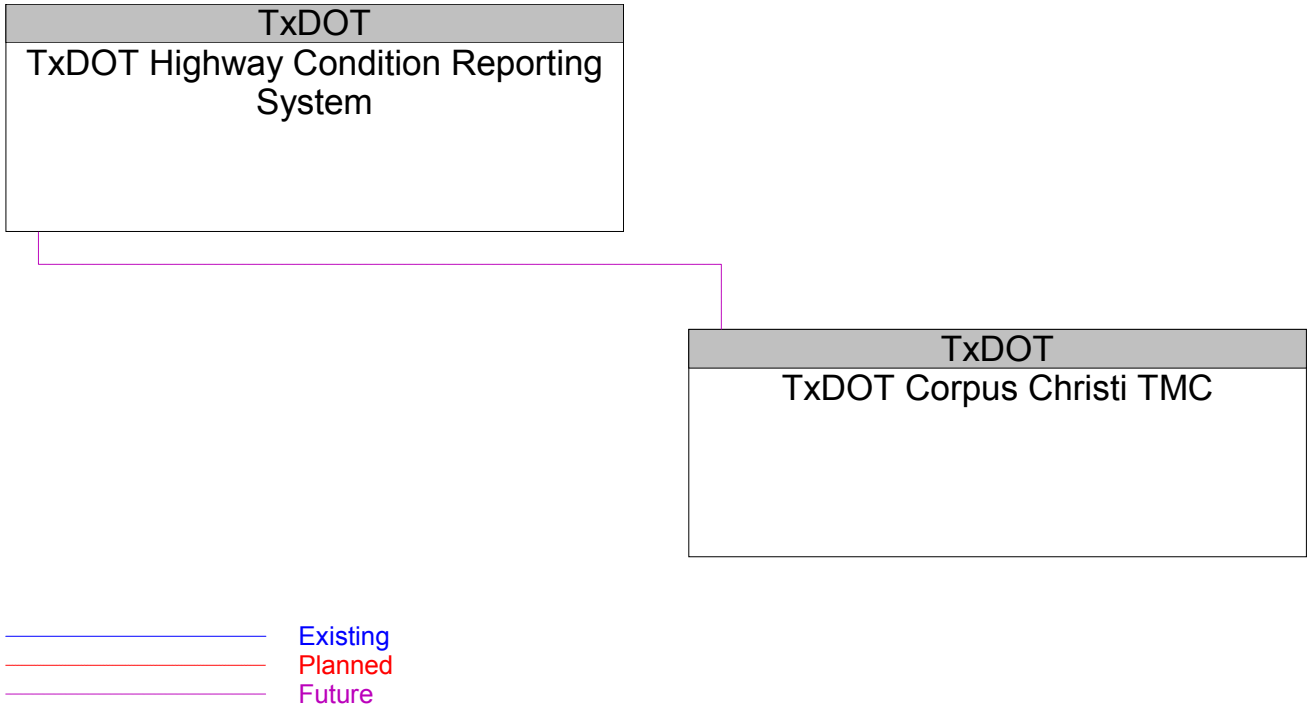

Figure B88 – TxDOT Maintenance and Construction Vehicles Interfaces

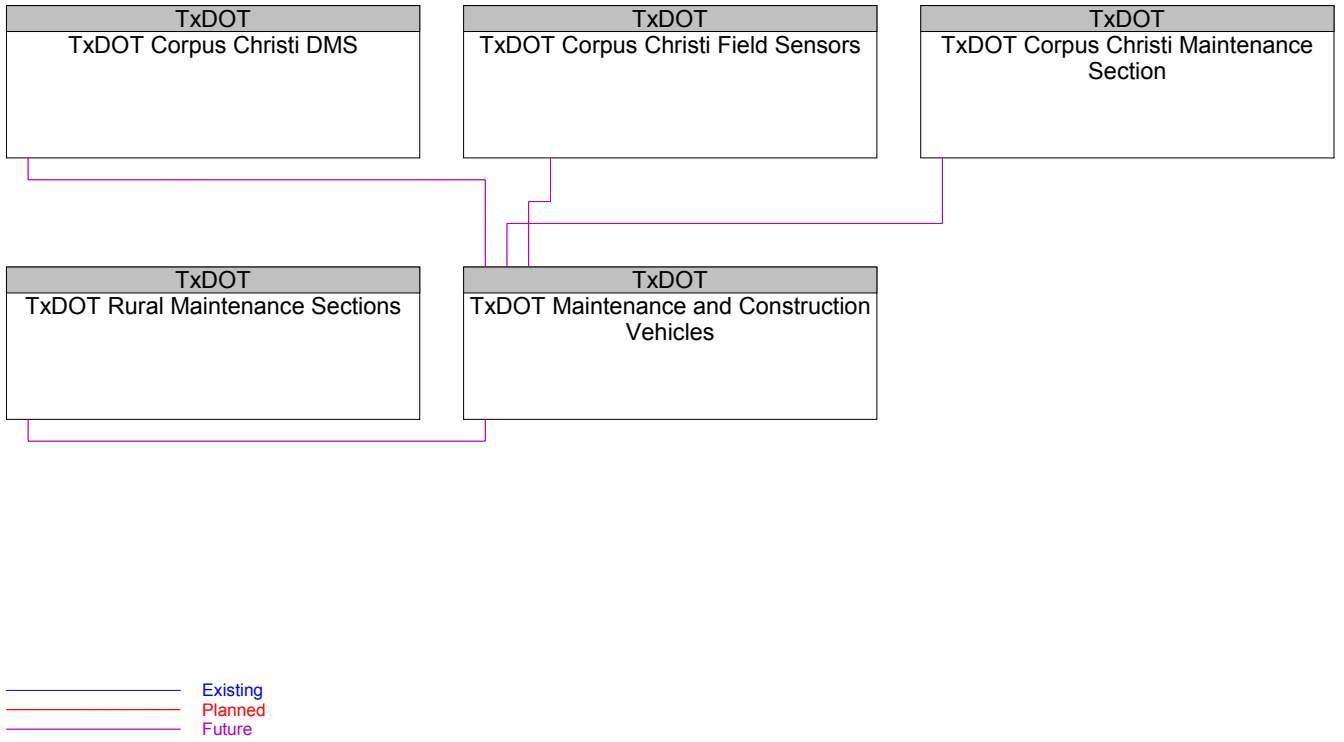

Figure B89 – TxDOT Motor Carrier Routing Information

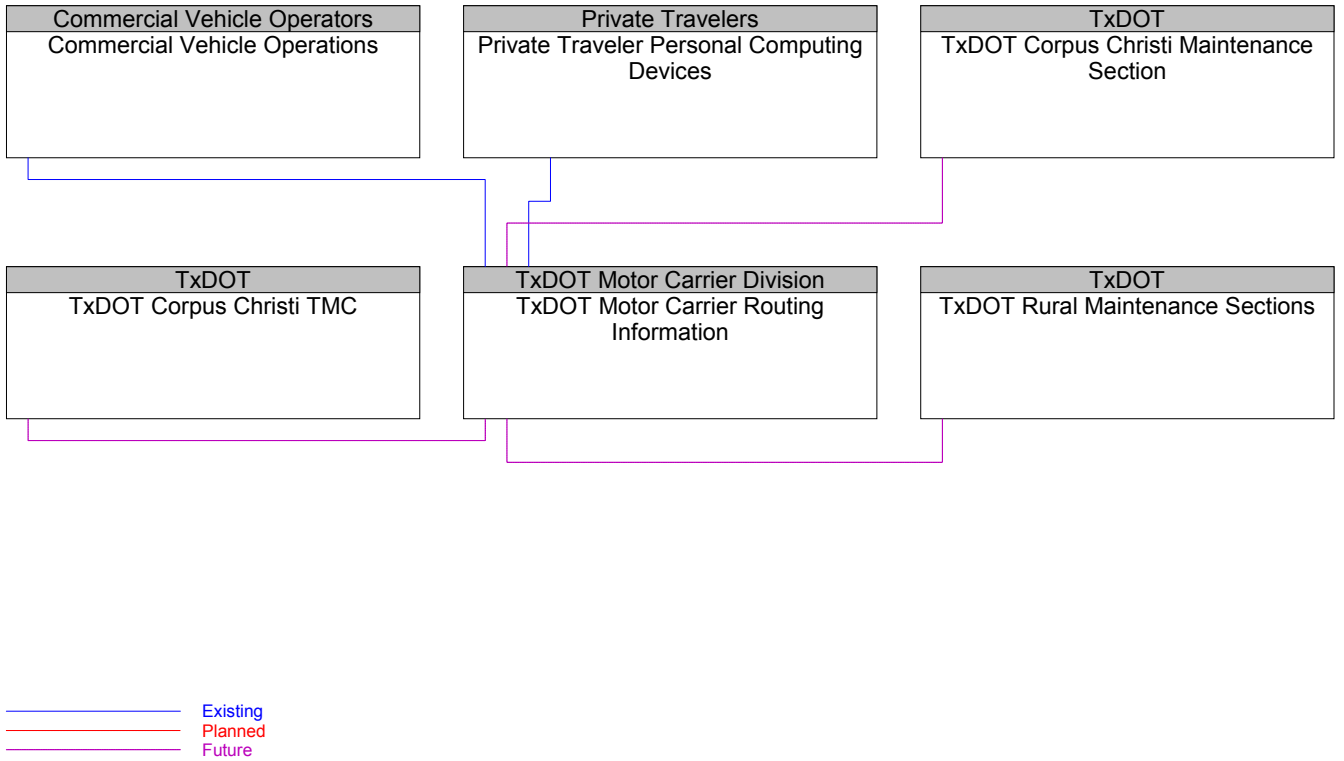

Figure B90 – TxDOT Planning STARS Systems Interfaces

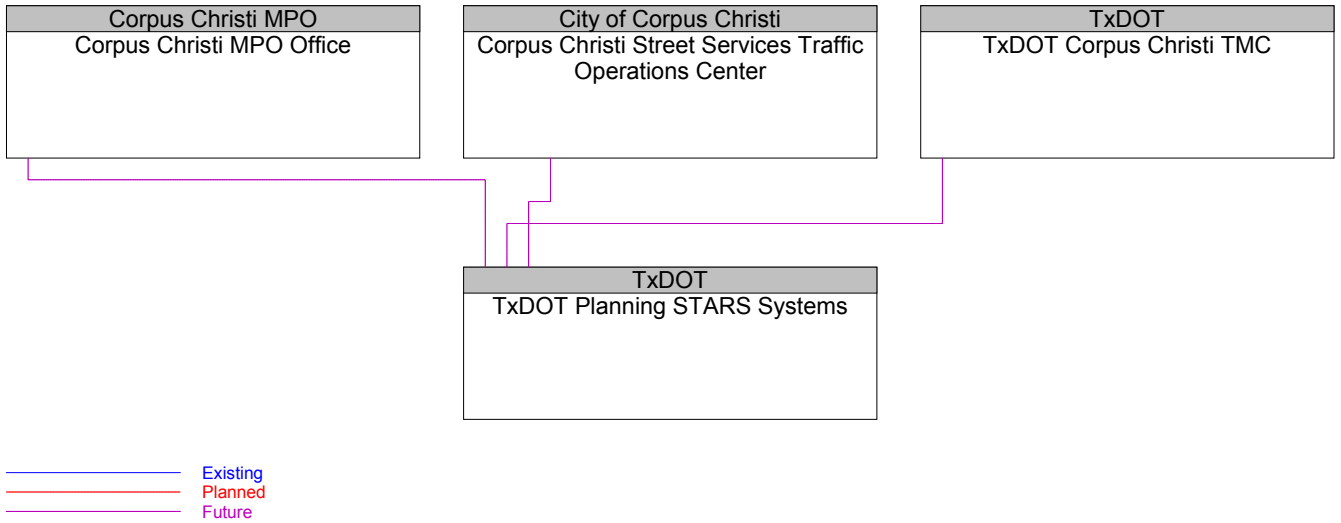

Figure B91 – TxDOT Rural Maintenance Sections Interfaces

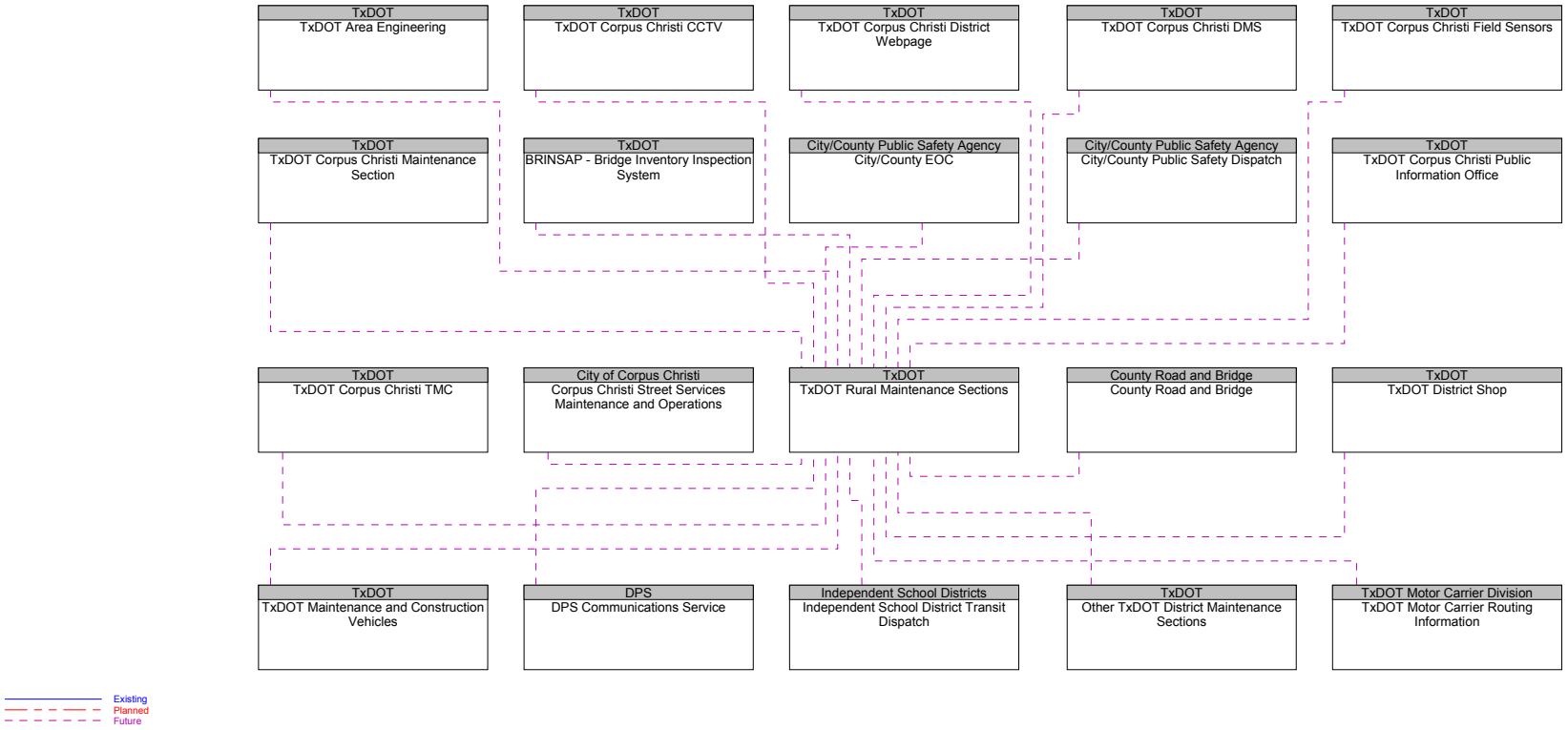
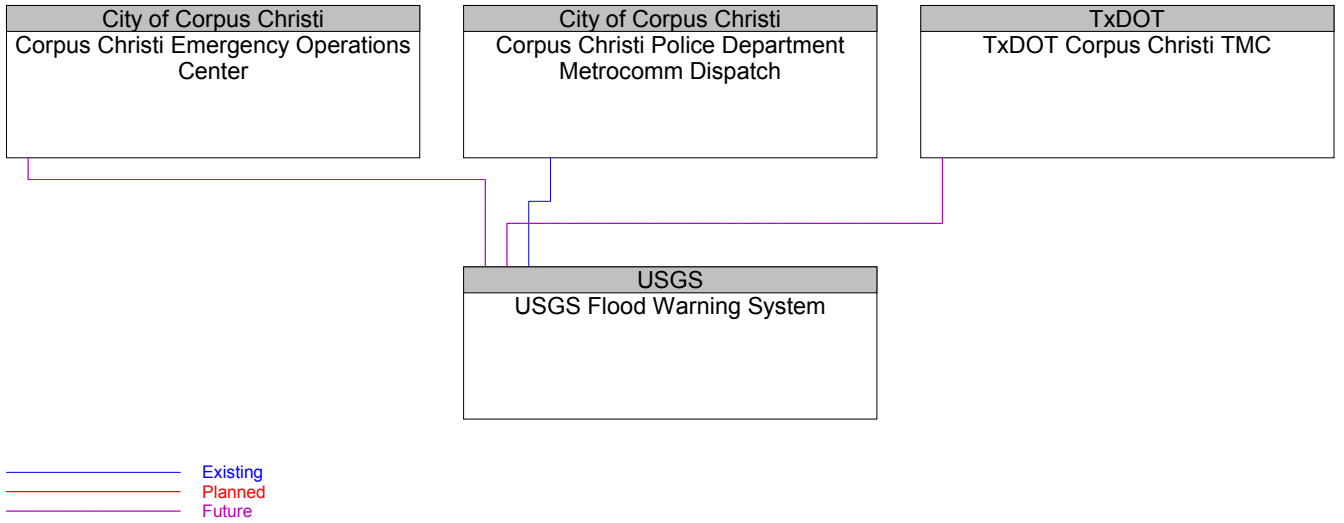
Figure B92 – USGS Flood Warning System Interfaces