



Wisconsin Statewide ITS Architecture

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1 Architecture Scope

The Wisconsin Statewide ITS Architecture is a roadmap for transportation systems integration. The architecture was developed through a cooperative effort by the region's transportation agencies, covering all modes and all roads in the region. It represents a shared vision of how each agency's systems will work together in the future, sharing information and resources to provide a safer, more efficient, and more effective transportation system for travelers in the region.

The architecture provides an overarching framework that spans all of the region's transportation organizations and individual transportation projects. Using the architecture, each transportation project can be viewed as an element of the overall transportation system, providing visibility into the relationship between individual transportation projects and ways to cost-effectively build an integrated transportation system over time. This chapter establishes the scope of the architecture in terms of its geographic breadth, the scope of services that are covered, and the time horizon that is addressed.

Description

In 2020, the Wisconsin DOT and TOPS Lab began an effort to update the Wisconsin Statewide ITS Architecture. The last major update was in January 2014 and used the TURBO software package. The Current architecture has been transferred to RAD-IT, and update efforts continue. Please contact the TOPS Lab at afrancour@wisc.edu with any questions, modifications, or requests.

The Wisconsin Statewide ITS Architecture represents the existing and planned Intelligent Transportation Systems (ITS) deployed and their operations for the state of Wisconsin. Broad stakeholder involvement and cooperation allowed for the development of the architecture over many years. Many of the existing stakeholders are represented based on their involvement in the process along with how much information that is available on their systems and operations.

The ITS Architecture describes existing and planned elements, interfaces, and operational requirements of ITS in Wisconsin. Connections between major ITS systems, such as WisTransPortal, Wisconsin 511, and the Wisconsin DOT Traffic Management Center (TMC), are represented. This Statewide ITS Architecture can be used to inform how systems interact and function together to create a transportation system that is safer and more efficient. This Statewide Architecture was consolidated and updated from previous WisDOT District and Regional architectures in 2010, and it continues to actively evolve.

The Statewide ITS Architecture is maintained by the TOPS Lab.

Timeframe

Geographic Scope

The Wisconsin Statewide ITS Architecture is the primary regional architecture for the State of Wisconsin. It includes all five WisDOT regions in the state of Wisconsin, many agencies, and interactions with the bordering states, agencies, and coalitions. The regional architecture supports information flows to all levels of state and local government, universities, contractors, media, and other organizations throughout Wisconsin and in neighboring states.

WisTransPortal ITS Architecture. From November 2012, the WisTransPortal ITS Architecture has been fully incorporated into the Wisconsin Statewide ITS Architecture. The WisTransPortal project provides centralized access to Wisconsin statewide traffic operations and safety data. It is physically located at the University of Wisconsin-Madison, and is directly connected to the WisDOT ITSNet which provides a dedicated network path to the TMC and other WisDOT locations. The WisTransPortal project has been developed through primary sponsorship of the WisDOT Bureau of Traffic Operations (BTO). The overall WisTransPortal system and key functional areas are represented as Projects and are found in the Projects tab above.

2 ITS Stakeholders

Identifying stakeholders is an important task in ITS architecture development since effective ITS involves the integration of multiple stakeholders and their transportation systems. This section describes the stakeholders who either participated in the creation of the Wisconsin Statewide ITS Architecture or whom the participating stakeholders felt were needed to be included in the architecture. Some stakeholders have been grouped in order to better reflect mutual participation or involvement in transportation services and elements. Every stakeholder in this section is related to one or more of the transportation inventory elements described in the next chapter, either as an individual stakeholder or as a member of a stakeholder group.

Table 1 – ITS Stakeholders

Stakeholder Name	Stakeholder Description
All Counties	Stakeholder Group representing all 72 counties of Wisconsin. Each county is also included separately in the architecture.
Alliant Energy Center	The Alliant Energy Center is a multi-building venue covering 164 acres in Madison, featuring the Veterans Memorial Coliseum, Exhibition Hall, Willow Island, New Holland Pavilions, and the Arena Building. 1919 Alliant Energy Center Way Madison, WI 53713 (608) 267-3976 https://www.alliantenergycenter.com/
AMTRAK	Amtrak is a nationwide passenger rail organization which provides service throughout the continental United States. http://www.amtrak.com/
City_Brookfield	http://www.ci.brookfield.wi.us/
City_Madison	http://www.cityofmadison.com/
City_Milwaukee	http://city.milwaukee.gov/
City_Wauwatosa	http://www.wauwatosa.net/
City_West Allis	http://www.westalliswi.gov/
County Emergency Management	A group representation of emergency management operations for the counties of Wisconsin.
County Highway Departments	A group representation of highway departments for the counties of Wisconsin.
County Maintenance Departments	A group representation of maintenance departments for the counties of Wisconsin.
County Sheriff Departments	A group representation of sheriff departments for the counties of Wisconsin.
County_Adams	https://www.co.adams.wi.us/
County_Ashland	http://www.co.ashland.wi.us/
County_Barron	http://www.barroncountywi.gov/
County_Bayfield	http://www.bayfieldcounty.org/
County_Brown	https://www.browncountywi.gov/
County_Buffalo	http://www.buffalocounty.com/
County_Burnett	http://www.burnettcounty.com/
County_Calumet	http://www.co.calumet.wi.us/
County_Chippewa	http://www.co.chippewa.wi.us/
County_Clark	https://www.clarkcountywi.com/

Stakeholder Name	Stakeholder Description
County_Columbia	http://www.co.columbia.wi.us/ColumbiaCounty/
County_Crawford	http://crawfordcountywi.org/
County_Dane	http://www.countyofdane.com/
County_Dodge	https://www.co.dodge.wi.gov/
County_Door	http://www.doorcounty.com/
County_Douglas	http://www.douglascountywi.org/
County_Dunn	https://www.co.dunn.wi.us/
County_Eau Claire	http://www.co.eau-claire.wi.us/
County_Florence	https://www.florencecountywi.com/
County_Fond du Lac	http://www.fdlco.wi.gov/
County_Forest	http://www.co.forest.wi.gov/
County_Grant	http://grantcounty.org/
County_Green	http://www.co.green.wi.gov/
County_Green Lake	http://www.co.green-lake.wi.us/
County_Iowa	http://iowacounty.org/
County_Iron	http://www.co.iron.wi.gov/
County_Jackson	http://www.co.jackson.wi.us/
County_Jefferson	http://www.jeffersoncountywi.gov/
County_Juneau	https://www.co.juneau.wi.gov/
County_Kenosha	https://www.kenoshacounty.org/
County_Kewaunee	http://www.kewauneeco.org/
County_La Crosse	https://www.lacrossecounty.org/
County_Lafayette	https://www.lafayettecountywi.org/
County_Langlade	http://www.co.langlade.wi.us/
County_Lincoln	http://www.co.lincoln.wi.us/
County_Manitowoc	http://www.co.manitowoc.wi.us/
County_Marathon	http://www.co.marathon.wi.us/
County_Marinette	http://www.marinettecounty.com/
County_Marquette	https://www.co.marquette.wi.us/
County_Menominee	http://www.co.menominee.wi.us/
County_Milwaukee	http://county.milwaukee.gov/
County_Monroe	http://www.co.monroe.wi.us/
County_Oconto	http://www.co.oconto.wi.us/
County_Oneida	https://www.co.oneida.wi.us/
County_Outagamie	https://www.outagamie.org/
County_Ozaukee	http://www.co.ozaukee.wi.us/
County_Pepin	http://www.co.pepin.wi.us/
County_Pierce	https://www.co.pierce.wi.us/
County_Polk	http://www.co.polk.wi.us/

Stakeholder Name	Stakeholder Description
County_Portage	http://www.co.portage.wi.us/
County_Price	http://www.co.price.wi.us/
County_Racine	https://www.racinecounty.com/
County_Richland	http://www.co.richland.wi.us/
County_Rock	http://www.co.rock.wi.us/
County_Rusk	http://www.ruskcounty.org/
County_Sauk	http://www.co.sauk.wi.us/
County_Sawyer	http://www.sawyercountygov.org/
County_Shawano	http://www.co.shawano.wi.us/
County_Sheboygan	https://www.sheboygancounty.com/
County_St. Croix	https://www.sccwi.gov/
County_Taylor	http://www.co.taylor.wi.us/
County_Trempealeau	https://co.trempealeau.wi.us/
County_Vernon	http://www.vernoncounty.org/
County_Vilas	https://www.vilascountywi.gov/
County_Walworth	http://www.co.walworth.wi.us/
County_Washburn	http://www.co.washburn.wi.us/
County_Washington	http://www.co.washington.wi.us/
County_Waukesha	http://www.waukeshacounty.gov/
County_Waupaca	http://www.co.waupaca.wi.us/
County_Waushara	http://www.co.waushara.wi.us/
County_Winnebago	http://www.co.winnebago.wi.us/
County_Wood	http://www.co.wood.wi.us/
Fond du Lac Area Transit	Transit provider that offers fixed-route bus service, handi-van paratransit services, and jobtrans taxi service. Fond du Lac Area Transit 530 Doty Street Fond du Lac, WI 54935 Phone: 920 322-3650 https://www.fdl.wi.gov/transit/
General Mitchell International Airport	A Milwaukee County owned and operated airport located in Milwaukee, WI. General Mitchell International Airport 5300 South Howell Ave. Milwaukee, WI 53207 Phone: 414-747-5300 http://www.mitchellairport.com/
GLRTOC	The Great Lakes Regional Transportation Operations Coalition (GLRTOC) is a partnership of Great Lakes agencies that collaborate on initiatives that improve cross-regional transportation operations in support of regional economic competitiveness and improved quality of life.
GO Transit - Oshkosh	Transit service to the Oshkosh area with fixed-route bus service, paratransit service, and intercity service to Neenah, WI. GO Transit 926 Dempsey Trail Oshkosh, WI 54902 920-232-5340 http://www.ci.oshkosh.wi.us/Transit/
Gold Cross Ambulance	Ambulance service in Northeast Wisconsin. Gold Cross also provides AED management programs, CPR training, business safety training, and first aid training. Gold Cross Ambulance Service Inc 1055 Wittmann Drive Menasha, WI 54952 Billing: 920-727-3020 Dispatch 920-727-3034 Fax number 920-727-3033 http://www.goldcross.org/
Green Bay Metro	Transit service that serves the Green Bay Metropolitan Area including fixed-route bus service and paratransit service. Green Bay Metro 901 University Avenue Green Bay, WI 54302 920-448-3450 https://greenbaywi.gov/231/Metro-Transit
IDOT	Illinois Department of Transportation Hanley Building 2300 S. Dirksen Parkway Springfield, IL 62764 (217)782-7820 http://idot.illinois.gov/

Stakeholder Name	Stakeholder Description
Illinois Tollway	Illinois Tollway 2700 Ogden Ave Downers Grove, IL 60515 Phone: 630-241-6800 https://www.illinoistollway.com/
Intercity Coach Lines	Wisconsin Charter Bus Service Milwaukee Bus Depot 635 N. James Lovell St. Milwaukee, WI 53233 Phone: 414-276-7490
Lake Express Ferry	High-speed ferry that crosses Lake Michigan with two port locations with one in Milwaukee, WI and the other in Muskegon, MI. Lake Express Ferry 2330 S. Lincoln Memorial Drive Milwaukee, WI 53207 Phone: 866-914-1010 http://www.lake-express.com/
LMIGA	Lake Michigan Interstate Gateway Alliance, formerly the Gary-Chicago-Milwaukee ITS Priority Corridor, is a colition of transportation agencies in the greater Chicago region http://www.travelmidwest.com/
Local Municipalities	General stakeholder representing jurisdictions containing Department of Public Works, Traffic Departments, Emergency Dispatch Services, and/or Transit agencies that participate currently or may in the future.
Madison Metro Transit	Transit service for the greater Madison area including fixed-route bus service and paratransit service. City of Madison Transit 1245 E. Washington Ave. Suite 201 Madison, WI 53703 608-266-4904 http://www.cityofmadison.com/metro/
Meridian Systems	http://www.meridiansystems.com/
Metra	Commuter rail agency in the Chicago area Metra Passenger Services 547 W. Jackson Chicago, IL 60661 (312) 322-6777 http://metrarail.com/
Miller Park	Ballpark in Milwaukee, WI used for sporting events Milwaukee Brewers Baseball Club Miller Park One Brewers Way Milwaukee, Wisconsin 53214-3652 Phone: 414-902-4400 https://www.mlb.com/brewers/ballpark/events
MMSD	Commisson that oversees water quality research, wastewater treatment, flood management, and promotes the safe and sustainable usage of water in the Milwaukee Metropolitan area. Milwaukee Metropolitan Sewerage District 260 W Seeboth St Milwaukee, WI 53204 Phone: 414-272-5100 http://www.mmsd.com
MnDOT District 1	MnDOT District 1 - Duluth 1123 Mesaba Ave Duluth, MN 55811 218-725-2800 https://www.dot.state.mn.us/d1/index.html
MnDOT Metro District	MnDOT Metro District 1500 West Co Rd B-2 Roseville, MN 55113 651-234-7500 http://www.dot.state.mn.us/metro/
NorthCentral Counties	Stakeholder group for counties in the North Central region of Wisconsin
NorthEast Counties	Stakeholder group for counties in the Northeast region of Wisconsin
NorthWest Counties	Stakeholder group for counties in the Northwest region of Wisconsin
Oneida Public Transit	Transit service in Northeast Wisconsin Oneida Tribe of Indians of Wisconsin - Public Transit 3759 W Mason St Hobart, WI 54155 (920) 496-5770 https://oneida-nsn.gov/resources/oneida-public-transit/
Port of Milwaukee	Port with terminals located on Lake Michigan which directly connects to I-94/794 in Milwaukee, WI Port of Milwaukee 2323 S. Lincoln Memorial Drive Milwaukee, WI 53207 Phone: 414-286-3511 https://portmilwaukee.com/port
SEWRPC	Southeastern Wisconsin Regional Planning Commission Metropolitan Planning Organization and Regional Planning Commission for Southeastern Wisconsin W239 N1812 Rockwood Drive P.O. Box 1607 Waukesha, WI 53187-1607 Phone: 262-547-6721 http://www.sewrpc.org/SEWRPC.htm
SouthEast Counties	Stakeholder group for counties in the Southeast region of Wisconsin
SouthWest Counties	Stakeholder group for counties in the Southwest region of Wisconsin

Stakeholder Name	Stakeholder Description
Special Events	This represents Special Event Sponsors that have knowledge of events that may impact travel on roadways. Examples of special event promoters include the Bradley Center, Miller Park, the Milwaukee County Zoo, and the State Fairgrounds. These promoters interface to the ITS to provide event information such as date, time, estimated duration, location, and any other information pertinent to traffic movement in the surrounding area.
Terminators	No specific stakeholder. These represent the boundaries of the regional ITS architecture and may not have an associated stakeholder.
TOPS	Traffic Operations and Safety Laboratory https://topslab.wisc.edu/
TOPS_WisTransPortal	The WisTransPortal serves the computing and data management needs of the Wisconsin Traffic Operations and Safety (TOPS) Laboratory, including ITS data archiving, real-time traffic information services, transportation operations applications, and transportation research. There are many architecture interfaces between WisTransPortal elements and WisDOT. http://transportal.cee.wisc.edu/
Town_Brookfield	The Town of Brookfield is a community of 6,420 people located about 15 miles west of Milwaukee http://www.townofbrookfield.com/
US Coast Guard	U.S. Coast Guard Sector Lake Michigan 2420 S. Lincoln Memorial Dr., Milwaukee, WI 53207 Phone: 414-747-7100 https://www.atlanticarea.uscg.mil/Our-Organization/District-9/Ninth-District-Units/Sector-Lake-Michigan/
US Dept of Military Affairs	Wisconsin Department of Military Affairs 2400 Wright Street Madison, WI 53708 Phone: 608-242-3000 https://dma.wi.gov/DMA/
UW-Madison	University of Wisconsin - Madison http://www.wisc.edu/
Valley Transit	Transit service that serves many communities of the Fox Valley area in northeast Wisconsin. Includes fixed-route bus service and paratransit service. Valley Transit 801 South Whitman Avenue Appleton, WI 54914 920-832-5800 https://myvalleytransit.com/
Village_Elm Grove	https://elmgrovewi.org/
Wisconsin Emergency Management	Wisconsin Emergency Management 2400 Wright Street Madison, Wisconsin 53708 Phone: 608-242-3000 https://dma.wi.gov/DMA/wem
WisDOT	Wisconsin Department of Transportation Central Office Hill Farms State Transportation Building 4822 Madison Yards Way Madison, WI 53705 https://wisconsindot.gov/Pages/home.aspx
WisDOT_DBM	Wisconsin Department of Transportation - Division of Business Managementhttps://wisconsindot.gov/Pages/about-wisdot/who-we-are/dbm/default.aspx
WisDOT_DBM_BBS	Wisconsin Department of Transportation - Division of Business Management: Bureau of Business Services
WisDOT_DBM_BHRS	Wisconsin Department of Transportation - Division of Business Management: Bureau of Human Resource Services
WisDOT_DBM_BITS	Wisconsin Department of Transportation - Division of Business Management: Bureau of Information Technology Services
WisDOT_DBM_ORPO	Wisconsin Department of Transportation - Division of Business Management: Office of Research and Program Operations
WisDOT_DMV	WisDOT Department of Motor Vehicles Hill Farms State Transportation Building 4822 Madison Yards Way Madison, WI 53705 https://wisconsindot.gov/Pages/about-wisdot/who-we-are/dmv/default.aspx
WisDOT_DMV_BDS	Wisconsin Department of Transportation - Division of Motor Vehicles: Bureau of Driver Services
WisDOT_DMV_BFS	Wisconsin Department of Transportation - Division of Motor Vehicles: Bureau of Field Services

Stakeholder Name	Stakeholder Description
WisDOT_DMV_BVS	Wisconsin Department of Transportation - Division of Motor Vehicles: Bureau of Vehicle Services
WisDOT_DSP	Wisconsin Department of Transportation - Division of State Patrol https://wisconsindot.gov/Pages/about-wisdot/who-we-are/dsp/default.aspx
WisDOT_DSP_BC	Wisconsin Department of Transportation - Division of State Patrol: Bureau of Communications
WisDOT_DSP_BFO	Wisconsin Department of Transportation - Division of State Patrol: Bureau of Field Operations
WisDOT_DSP_BPSC	Wisconsin Department of Transportation - Division of State Patrol: Bureau of Public Security and Communications
WisDOT_DSP_BTS	Wisconsin Department of Transportation - Division of State Patrol: Bureau of Transportation Safety
WisDOT_DTIM	Wisconsin Department of Transportation - Division of Transportation Investment Management https://wisconsindot.gov/Pages/about-wisdot/who-we-are/dtim/default.aspx
WisDOT_DTIM_BA	Wisconsin Department of Transportation - Division of Transportation Investment Management: Bureau of Aeronautics
WisDOT_DTIM_BPED	Wisconsin Department of Transportation - Division of Transportation Investment Management: Bureau of Planning and Economic Development.
WisDOT_DTIM_BSHP	Wisconsin Department of Transportation - Division of Transportation Investment Management: Bureau of State Highway Programs
WisDOT_DTIM_BTLRRH	Wisconsin Department of Transportation - Division of Transportation Investment Management: Bureau of Transit, Local Roads, Rails and Harbors.
WisDOT_DTSD	Wisconsin Department of Transportation - Division of Transportation System Developmenthttps://wisconsindot.gov/Pages/about-wisdot/who-we-are/dtsd/default.aspx
WisDOT_DTSD_BEES	Wisconsin Department of Transportation - Division of Transportation System Development: Bureau of Equity and Environmental Services
WisDOT_DTSD_BHM	Wisconsin Department of Transportation - Division of Transportation System Development: Bureau of Highway Maintenance
WisDOT_DTSD_BOS	Wisconsin Department of Transportation - Division of Transportation System Development: Bureau of Structures
WisDOT_DTSD_BPD	Wisconsin Department of Transportation - Division of Transportation System Development: Bureau of Project Development
WisDOT_DTSD_BTO	Wisconsin Department of Transportation - Division of Transportation System Development: Bureau of Traffic Operations
WisDOT_DTSD_BTO_TMC	Traffic Management Center 433 West St. Paul Ave. Suite 300 Milwaukee, WI 53203 https://wisconsindot.gov/Pages/about-wisdot/who-we-are/dtsd/bto/stoc/default.aspx
WisDOT_DTSD_BTS	Wisconsin Department of Transportation - Division of Transportation System Development: Bureau of Technical Services
WisDOT_DTSD_NC Region_Rhineland	WisDOT North Central Region, Rhineland Office (formerly District 7) 510 N. Hanson Lake Road Rhineland, WI 54501 715-365-3490
WisDOT_DTSD_NC Region_Wisconsin Rapids	WisDOT North Central Region, Wisconsin Rapids Office (formerly District 4) 1681 Second Avenue South Wisconsin Rapids, WI 54495 715-421-8302
WisDOT_DTSD_NE Region	WisDOT Northeast Region Office (formerly District 3) 944 Vanderperren Way Green Bay, WI 54304-5344 920-492-5643
WisDOT_DTSD_NW Region_Eau Claire	WisDOT Northwest Region, Eau Claire Office (formerly District 6) 718 W. Clairemont Avenue Eau Claire, WI 54701 715-836-2891
WisDOT_DTSD_NW Region_Superior	WisDOT Northwest Region, Superior Office (formerly District 8) 1701 N. 4th Street Superior, WI 54880 715-392-7925
WisDOT_DTSD_SE Region	WisDOT Southeast Region Office (formerly District 2) 141 NW Barstow St. P.O. Box 798 Waukesha, WI 53187-0798 262-548-5902

Stakeholder Name	Stakeholder Description
WisDOT_DTSD_SW Region_La Crosse	WisDOT Southwest Region, La Crosse Office (formerly District 5) 3550 Mormon Coulee Road La Crosse, WI 54601 608-785-9022
WisDOT_DTSD_SW Region_Madison	WisDOT Southwest Region, Madison Office (formerly District 1) 2101 Wright Street Madison, WI 53704-2583 608-246-3800

3 ITS Inventory

An inventory of existing and planned transportation systems is the basis for the Wisconsin Statewide ITS Architecture. The transportation system inventory was developed based on input from stakeholders throughout the region. The inventory includes a list of ITS elements and the associated stakeholder responsible for system operation.

This section describes every surface transportation inventory element for the region. A transportation element can be either a center, support, vehicle, traveler or field equipment. Each transportation element listed below has one or more stakeholders associated with it. In order to reduce the complexity of the architecture, some transportation elements with like functionality have been grouped together. Each transportation inventory element is mapped to at least one ARC-IT physical object. In addition, physical standards may be identified that define the form, fit, and function of individual ITS elements to enable interchangeability, vendor independence, and facilitate future interconnections.

Table 2 – ITS Inventory

Element Name	Element Description	Stakeholder
AMTRAK	Amtrak locations: https://www.amtrak.com/regions/midwest.html Milwaukee Amtrak Multimodal Hub 433 West St. Paul Ave Milwaukee, WI 53203 	AMTRAK
City_Madison_Traffic Dept	City of Madison Traffic Engineering Madison, WI 53703 608-266-4761 https://www.cityofmadison.com/trafficengineering/	City_Madison
City_Madison_Traffic Dept_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling.	City_Madison
City_Madison_Traffic Dept_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling.	City_Madison
City_Madison_Traffic Dept_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling.	City_Madison
City_Madison_Traffic Dept_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling.	City_Madison
City_Madison_Traffic Dept_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling.	City_Madison
City_Madison_Traffic Dept_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling.	City_Madison

Element Name	Element Description	Stakeholder
City_Madison_Traffic Dept_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling.	City_Madison
City_Madison_Traffic Dept_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling.	City_Madison
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee

Element Name	Element Description	Stakeholder
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_DPW	City of Milwaukee Department of Public Works Zeidler Municipal Building 841 N. Broadway Milwaukee, WI 53202 https://city.milwaukee.gov/dpw Buildings and Fleet Division 2142 W Canal Street Phone: (414) 286-2261 Infrastructure Services Division - Field Operations Phone: (414) 286-2489	City_Milwaukee
City_Milwaukee_EmergMgt	City of Milwaukee Emergency Management 200 E. Wells Street - Room 705 Milwaukee, WI 53202 Phone: 414-286-5000 https://city.milwaukee.gov/fpc/Emergency-Management.htm	City_Milwaukee
City_Milwaukee_EmergMgt	City of Milwaukee Emergency Management 200 E. Wells Street - Room 705 Milwaukee, WI 53202 Phone: 414-286-5000 https://city.milwaukee.gov/fpc/Emergency-Management.htm	City_Milwaukee
County EmergencyMgt	Represents the emergency management centers and equipment for the counties of Wisconsin.	County Emergency Management
County EmergencyMgt	Represents the emergency management centers and equipment for the counties of Wisconsin.	County Emergency Management
County EmergencyMgt	Represents the emergency management centers and equipment for the counties of Wisconsin.	County Emergency Management
County Highway Dept	Represents the highway department centers for the counties of Wisconsin.	County Highway Departments
County Highway Dept_Roadway Equip	Represents the highway department equipment for the counties of Wisconsin.	County Highway Departments
County Highway Dept_Roadway Equip	Represents the highway department equipment for the counties of Wisconsin.	County Highway Departments
County Highway Dept_Roadway Equip	Represents the highway department equipment for the counties of Wisconsin.	County Highway Departments
County Highway Dept_Roadway Equip	Represents the highway department equipment for the counties of Wisconsin.	County Highway Departments

Element Name	Element Description	Stakeholder
County Highway Dept_Roadway Equip	Represents the highway department equipment for the counties of Wisconsin.	County Highway Departments
County Highway Dept_Roadway Equip	Represents the highway department equipment for the counties of Wisconsin.	County Highway Departments
County Highway Dept_Roadway Equip	Represents the highway department equipment for the counties of Wisconsin.	County Highway Departments
County Highway Dept_Roadway Equip	Represents the highway department equipment for the counties of Wisconsin.	County Highway Departments
County_Dane_Public Safety Comm Center_Personnel	Represents the emergency system operators working at the Public Safety Communications Center.	County_Dane
County_Kenosha_Joint Serv Cmd Cntr	Kenosha Joint Services Command Center 1000 55th St Kenosha, WI 53140 Phone: 262-605-5050 http://www.kenoshajs.org/	County_Kenosha
County_Kenosha_Joint Serv Cmd Cntr	Kenosha Joint Services Command Center 1000 55th St Kenosha, WI 53140 Phone: 262-605-5050 http://www.kenoshajs.org/	County_Kenosha
County_Kenosha_Joint Serv Cmd Cntr	Kenosha Joint Services Command Center 1000 55th St Kenosha, WI 53140 Phone: 262-605-5050 http://www.kenoshajs.org/	County_Kenosha
County_Milwaukee_EMS Comm Cntr	Milwaukee County EMS Communications Center 9501 Watertown Plank Road Wauwatosa, WI 53226 Phone: 414-257-6661 https://county.milwaukee.gov/EN/Office-of-Emergency-Management/EMS	County_Milwaukee
County_Milwaukee_EMS Comm Cntr	Milwaukee County EMS Communications Center 9501 Watertown Plank Road Wauwatosa, WI 53226 Phone: 414-257-6661 https://county.milwaukee.gov/EN/Office-of-Emergency-Management/EMS	County_Milwaukee
County_Milwaukee_EMS Comm Cntr	Milwaukee County EMS Communications Center 9501 Watertown Plank Road Wauwatosa, WI 53226 Phone: 414-257-6661 https://county.milwaukee.gov/EN/Office-of-Emergency-Management/EMS	County_Milwaukee
County_Milwaukee_MCTS_Sty Mnt Fld Eqp	Security monitoring field equipment includes sensors and surveillance devices that monitor transportation infrastructure and public areas.	County_Milwaukee
County_Milwaukee_MCTS_Sty Mnt Fld Eqp	Security monitoring field equipment includes sensors and surveillance devices that monitor transportation infrastructure and public areas.	County_Milwaukee
County_Milwaukee_Sheriff Dept	Milwaukee County Office of the Sheriff Dispatch Center 821 West State Street, Room 107 Milwaukee, WI 53233 Phone: 414-278-4766 https://county.milwaukee.gov/EN/Sheriff	County_Milwaukee
County_Milwaukee_Sheriff Dept	Milwaukee County Office of the Sheriff Dispatch Center 821 West State Street, Room 107 Milwaukee, WI 53233 Phone: 414-278-4766 https://county.milwaukee.gov/EN/Sheriff	County_Milwaukee
County_Milwaukee_Sheriff Dept	Milwaukee County Office of the Sheriff Dispatch Center 821 West State Street, Room 107 Milwaukee, WI 53233 Phone: 414-278-4766 https://county.milwaukee.gov/EN/Sheriff	County_Milwaukee
Green Bay Metro_Drivers	Operators of fixed-route and paratransit vehicles for GB Transit	Green Bay Metro

Element Name	Element Description	Stakeholder
Green Bay Metro_Operators	Transit Operations Personnel for Green Bay Metro.	Green Bay Metro
IDOT District 1	IDOT District 1 Illinois Department of Transportation 201 West Center Court Schaumburg, Illinois 60196-1096 Telephone: 847-705-4000	IDOT
IDOT District 1	IDOT District 1 Illinois Department of Transportation 201 West Center Court Schaumburg, Illinois 60196-1096 Telephone: 847-705-4000	IDOT
IDOT District 1	IDOT District 1 Illinois Department of Transportation 201 West Center Court Schaumburg, Illinois 60196-1096 Telephone: 847-705-4000	IDOT
IDOT District 1	IDOT District 1 Illinois Department of Transportation 201 West Center Court Schaumburg, Illinois 60196-1096 Telephone: 847-705-4000	IDOT
IDOT District 1	IDOT District 1 Illinois Department of Transportation 201 West Center Court Schaumburg, Illinois 60196-1096 Telephone: 847-705-4000	IDOT
IDOT District 1	IDOT District 1 Illinois Department of Transportation 201 West Center Court Schaumburg, Illinois 60196-1096 Telephone: 847-705-4000	IDOT
IDOT District 1	IDOT District 1 Illinois Department of Transportation 201 West Center Court Schaumburg, Illinois 60196-1096 Telephone: 847-705-4000	IDOT
Illinois Tollway_Roadway Equip	Illinois Tollway 2700 Ogden Ave Downers Grove, IL 60515 https://www.illinoistollway.com/	Illinois Tollway
Illinois Tollway_Roadway Equip	Illinois Tollway 2700 Ogden Ave Downers Grove, IL 60515 https://www.illinoistollway.com/	Illinois Tollway
Illinois Tollway_Roadway Equip	Illinois Tollway 2700 Ogden Ave Downers Grove, IL 60515 https://www.illinoistollway.com/	Illinois Tollway
Illinois Tollway_Roadway Equip	Illinois Tollway 2700 Ogden Ave Downers Grove, IL 60515 https://www.illinoistollway.com/	Illinois Tollway
Illinois Tollway_Roadway Equip	Illinois Tollway 2700 Ogden Ave Downers Grove, IL 60515 https://www.illinoistollway.com/	Illinois Tollway
Illinois Tollway_Roadway Equip	Illinois Tollway 2700 Ogden Ave Downers Grove, IL 60515 https://www.illinoistollway.com/	Illinois Tollway
Illinois Tollway_Roadway Equip	Illinois Tollway 2700 Ogden Ave Downers Grove, IL 60515 https://www.illinoistollway.com/	Illinois Tollway
Intercity Coach Lines_Wisc Coach Lines_Security Equip	Security monitoring field equipment includes sensors and surveillance devices that monitor transportation infrastructure and public areas.	Intercity Coach Lines
Intercity Coach Lines_Wisc Coach Lines_Security Equip	Security monitoring field equipment includes sensors and surveillance devices that monitor transportation infrastructure and public areas.	Intercity Coach Lines
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities

Element Name	Element Description	Stakeholder
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities
Local Municipalities_DPW	Represents jurisdictions containing a Department of Public Works division.	Local Municipalities
Local Municipalities_Personnel	Represents the personnel in jurisdictions containing Department of Public Works, Traffic Departments, Emergency Dispatch Services, and/or Transit agencies.	Local Municipalities
Local Municipalities_Personnel	Represents the personnel in jurisdictions containing Department of Public Works, Traffic Departments, Emergency Dispatch Services, and/or Transit agencies.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Dept	Represents jurisdictions containing Traffic Departments.	Local Municipalities
Local Municipalities_Traffic Signal Equipment	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by any local municipality.	Local Municipalities
Local Municipalities_Traffic Signal Equipment	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by any local municipality.	Local Municipalities

Element Name	Element Description	Stakeholder
Local Municipalities_Traffic Signal Equipment	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by any local municipality.	Local Municipalities
Local Municipalities_Traffic Signal Equipment	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by any local municipality.	Local Municipalities
Local Municipalities_Traffic Signal Equipment	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by any local municipality.	Local Municipalities
Local Municipalities_Traffic Signal Equipment	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by any local municipality.	Local Municipalities
Local Municipalities_Traffic Signal Equipment	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by any local municipality.	Local Municipalities
Local Municipalities_Transit	Represents jurisdictions containing Transit agencies.	Local Municipalities
Local Municipalities_Transit	Represents jurisdictions containing Transit agencies.	Local Municipalities
Madison Metro	Transit vehicles include ITS devices that support the safe and efficient movement of passengers. These systems collect, manage, and disseminate transit-related information to the driver, operations and maintenance personnel, and transit system patrons. https://www.cityofmadison.com/metro	Madison Metro Tran
Miller Park_Operations Center	Milwaukee Brewers Baseball Club Miller Park One Brewers Way Milwaukee, WI 53214 Phone: 414-902-4400	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Miller Park_Operations Center_Roadway Equip	Roadway equipment owned and operated by Miller Park.	Miller Park
Oneida Transit_Drivers	Operators of fixed-route vehicles for Oneida Transit	Oneida Public Trans
Oshkosh Transit_Drivers	Operators of fixed-route and paratransit vehicles for Go Transit	
Oshkosh Transit_Operators	Transit Operations Personnel for Go Transit	

Element Name	Element Description	Stakeholder
TOPS_WisTransPortal_InterCAD	TOPS Lab WisTransPortal: InterCAD Public Safety (CAD) to Traffic Operations (ATMS) Traffic Incident Data Exchange	TOPS_WisTransPor
TOPS_WisTransPortal_Lane Closure System	TOPS Lab WisTransPortal: Wisconsin Lane Closure System (WisLCS)	TOPS_WisTransPor
TOPS_WisTransPortal_Lane Closure System	TOPS Lab WisTransPortal: Wisconsin Lane Closure System (WisLCS)	TOPS_WisTransPor
TOPS_WisTransPortal_Lane Closure System	TOPS Lab WisTransPortal: Wisconsin Lane Closure System (WisLCS)	TOPS_WisTransPor
TOPS_WisTransPortal_LINK	TOPS Lab WisTransPortal: LINK Video Sharing and Public Safety Information Service	TOPS_WisTransPor
TOPS_WisTransPortal_Maintenance Data	TOPS Lab WisTransPortal: RWIS, MDSS, and Related Highway Maintenance Data	TOPS_WisTransPor
TOPS_WisTransPortal_TIA System	TOPS Lab WisTransPortal: Traffic Incident Alert System	TOPS_WisTransPor
TOPS_WisTransPortal_Traffic Data	TOPS Lab WisTransPortal: STOC Traffic Detector Data, DTIM Count Station Data, and Related Information.	TOPS_WisTransPor
Traveling Public	User Personal Computing Devices refers to equipment an individual owns and can personalize with their choices for information about transportation networks. Computers used to access traveler information websites. Over 50 users are able to view and move DOT cameras via the LINKs website. This element also includes personal cell phones that are likely to use the 511 system that is being planned for the State of Wisconsin.	
US Coast Guard	United States Coast Guard http://www.uscg.mil/	US Coast Guard
US Coast Guard	United States Coast Guard http://www.uscg.mil/	US Coast Guard
Valley Transit_Drivers	Personnel represent the people who directly interface with an element of the ITS infrastructure. They provide operator data and command inputs to direct systems operations to varying degrees, depending on the type of system and the deployment scenario.	Valley Transit
Valley Transit_Operators	Transit Operations Personnel for Valley Transit	Valley Transit
WisDOT	Wisconsin Department of Transportation Central Office Hill Farms State Transportation Building 4822 Madison Yards Way Madison, WI 53705 https://wisconsindot.gov/Pages/home.aspx	WisDOT
WisDOT_DSP_NC Region_Wausau_Weigh Station	Subsystem that represents the weigh stations	WisDOT_DSP
WisDOT_DSP_NE Region_Fond du Lac	Wisconsin State Patrol NE Region 851 S. Rolling Meadows Drive Fond du Lac, WI 54937-9902 920-929-3700 Includes the counties of Brown, Calumet, Door, Fond du Lac, Kewaunee, Manitowoc, Marinette, Oconto, Outagamie, Sheboygan, and Winnebago.	WisDOT_DSP
WisDOT_DSP_NE Region_Fond du Lac	Wisconsin State Patrol NE Region 851 S. Rolling Meadows Drive Fond du Lac, WI 54937-9902 920-929-3700 Includes the counties of Brown, Calumet, Door, Fond du Lac, Kewaunee, Manitowoc, Marinette, Oconto, Outagamie, Sheboygan, and Winnebago.	WisDOT_DSP

Element Name	Element Description	Stakeholder
WisDOT_DSP_NW Region_Eau Claire_Weigh Station	Subsystem that represents the weigh-in-motion function	WisDOT_DSP
WisDOT_DSP_SE Region_Waukesha	WisDOT State Patrol District 2 21115 East Moreland Boulevard Waukesha, WI 53186-2985 Phone: (262) 785-4700 Includes the counties of Jefferson, Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha.	WisDOT_DSP
WisDOT_DSP_SE Region_Waukesha	WisDOT State Patrol District 2 21115 East Moreland Boulevard Waukesha, WI 53186-2985 Phone: (262) 785-4700 Includes the counties of Jefferson, Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha.	WisDOT_DSP
WisDOT_DSP_SE Region_Waukesha	WisDOT State Patrol District 2 21115 East Moreland Boulevard Waukesha, WI 53186-2985 Phone: (262) 785-4700 Includes the counties of Jefferson, Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha.	WisDOT_DSP
WisDOT_DSP_SE Region_Waukesha_SWEF	Kenosha SWEF Phone: (262)857-7360 Fax: (262)857-3773	WisDOT_DSP
WisDOT_DTSD_BHM_Vaisala_FTP Server	WisDOT Road Weather Information Service (RWIS) Data Provider	WisDOT_DTSD_BH
WisDOT_DTSD_BTO_TMC_511 XML	WisDOT 511 Traffic Conditions, Traffic Incidents, and Lane Closure Information in TMDD XML Format.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT TMC Advanced Traffic Management System.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT TMC Advanced Traffic Management System.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT TMC Advanced Traffic Management System.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_ATMS Detector Data Extract	WisDOT TMC Traffic Detector Data (5-Minute Intervals).	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_CCTV	WisDOT TMC Traffic Camera Network.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_CCTV	WisDOT TMC Traffic Camera Network.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_DMS	The element represents any type of dynamic message sign (DMS) that is deployed over or along a roadway for the purpose of disseminating en-route traffic and travel information to drivers. Both full matrix and hybrid static/dynamic DMS are represented by this element.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_DMS	The element represents any type of dynamic message sign (DMS) that is deployed over or along a roadway for the purpose of disseminating en-route traffic and travel information to drivers. Both full matrix and hybrid static/dynamic DMS are represented by this element.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_DMS	The element represents any type of dynamic message sign (DMS) that is deployed over or along a roadway for the purpose of disseminating en-route traffic and travel information to drivers. Both full matrix and hybrid static/dynamic DMS are represented by this element.	WisDOT_DTSD_BT
WisDOT_DTSD_BTO_TMC_DMS	The element represents any type of dynamic message sign (DMS) that is deployed over or along a roadway for the purpose of disseminating en-route traffic and travel information to drivers. Both full matrix and hybrid static/dynamic DMS are represented by this element.	WisDOT_DTSD_BT

Element Name	Element Description	Stakeholder
WisDOT_DTSD_BTO_TMC_DMS	The element represents any type of dynamic message sign (DMS) that is deployed over or along a roadway for the purpose of disseminating en-route traffic and travel information to drivers. Both full matrix and hybrid static/dynamic DMS are represented by this element.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_DMS	The element represents any type of dynamic message sign (DMS) that is deployed over or along a roadway for the purpose of disseminating en-route traffic and travel information to drivers. Both full matrix and hybrid static/dynamic DMS are represented by this element.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_DMS	The element represents any type of dynamic message sign (DMS) that is deployed over or along a roadway for the purpose of disseminating en-route traffic and travel information to drivers. Both full matrix and hybrid static/dynamic DMS are represented by this element.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Personnel	This element represents the personnel working for the TMC who can manage and control roadway equipment both from the TMC and remotely via a portable personal computer.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Personnel	This element represents the personnel working for the TMC who can manage and control roadway equipment both from the TMC and remotely via a portable personal computer.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Personnel	This element represents the personnel working for the TMC who can manage and control roadway equipment both from the TMC and remotely via a portable personal computer.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO_TMC

Element Name	Element Description	Stakeholder
WisDOT_DTSD_BTO_TMC_Roadway Equip	Roadside Equipment includes any and all equipment distributed on and along the roadway which monitors and controls traffic. This can include equipment for tolling. Examples of roadway equipment are message signs, detectors, HAR, DMS, ramp meters, and lane control signs.	WisDOT_DTSD_BTO
WisDOT_DTSD_BTO_TMC_Security Equip	The Traffic Management Center and the Division of Infrastructure Security have started the planning and design of an infrastructure security system in Southeastern Wisconsin.	WisDOT_DTSD_BTO
WisDOT_DTSD_BTO_TMC_Security Equip	The Traffic Management Center and the Division of Infrastructure Security have started the planning and design of an infrastructure security system in Southeastern Wisconsin.	WisDOT_DTSD_BTO
WisDOT_DTSD_NC Region_Rhineland	Rhineland Office of Transportation System Development	WisDOT_DTSD_NC Region_Rhineland
WisDOT_DTSD_NC Region_Wisconsin Rapids	This subsystem represents the D4 office itself and any traffic management and incident coordination that they provide to the entire district.	WisDOT_DTSD_NC Region_Wisconsin R
WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	I-39: reference markers, overheight systems, bridge de-icing, RWIS stations, VMS	WisDOT_DTSD_NC Region_Wisconsin R
WisDOT_DTSD_NE Region	Operates and maintains traffic operations on State highways and freeways within the district. Regional traffic management system that coordinates fwy & arterial traffic control throughout the Oshkosh-Fox Cities-Green Bay area.	WisDOT_DTSD_NE Region
WisDOT_DTSD_NW Region_Eau Claire	Eau Claire Office of Transportation System Development	WisDOT_DTSD_NW Region_Eau Claire
WisDOT_DTSD_SE Region	Milwaukee Office of Transportation System Development	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_ASCT Center	This element represents the center-based subsystem that would be either integrated into an existing ATMS or implemented stand-alone system to monitor and input parameters into the ASCT system. This element would allow operators to easily and quickly create, modify and deploy traffic management variables and strategies using a map-based interface.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	This element represents the hardened computer, installed in the traffic cabinet at each local intersection that holds all the artificial intelligence of an adaptive signal control technology. This element would gather and calculate detection information from sources such as video detection, loops and pedestrian intercepts and then determine the service priority for each approach. This element would communicate with the existing traffic controller to adjust to changes in demand on a real-time, proactive basis.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	This element represents the hardened computer, installed in the traffic cabinet at each local intersection that holds all the artificial intelligence of an adaptive signal control technology. This element would gather and calculate detection information from sources such as video detection, loops and pedestrian intercepts and then determine the service priority for each approach. This element would communicate with the existing traffic controller to adjust to changes in demand on a real-time, proactive basis.	WisDOT_DTSD_SE

Element Name	Element Description	Stakeholder
WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	This element represents the hardened computer, installed in the traffic cabinet at each local intersection that holds all the artificial intelligence of an adaptive signal control technology. This element would gather and calculate detection information from sources such as video detection, loops and pedestrian intercepts and then determine the service priority for each approach. This element would communicate with the existing traffic controller to adjust to changes in demand on a real-time, proactive basis.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	This element represents the hardened computer, installed in the traffic cabinet at each local intersection that holds all the artificial intelligence of an adaptive signal control technology. This element would gather and calculate detection information from sources such as video detection, loops and pedestrian intercepts and then determine the service priority for each approach. This element would communicate with the existing traffic controller to adjust to changes in demand on a real-time, proactive basis.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	This element represents the hardened computer, installed in the traffic cabinet at each local intersection that holds all the artificial intelligence of an adaptive signal control technology. This element would gather and calculate detection information from sources such as video detection, loops and pedestrian intercepts and then determine the service priority for each approach. This element would communicate with the existing traffic controller to adjust to changes in demand on a real-time, proactive basis.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	This element represents the hardened computer, installed in the traffic cabinet at each local intersection that holds all the artificial intelligence of an adaptive signal control technology. This element would gather and calculate detection information from sources such as video detection, loops and pedestrian intercepts and then determine the service priority for each approach. This element would communicate with the existing traffic controller to adjust to changes in demand on a real-time, proactive basis.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_ATMS	The Wisconsin Department of Transportation Signal Operations group is responsible for state highway traffic signal operation in Southeastern Wisconsin. However, not all signals on state highways in southeastern Wisconsin are maintained and operated by the signal ops group. The Signal Ops group is the chief operator of the ICOP signal system in SE Wisconsin. The system links traffic sensors and detectors from state, county, and city signals for coordinated traffic control. The only roadway where ICOP has been deployed is Layton Ave. on Milwaukee's south side.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_Personnel	This element represents the human operator working at WisDOT's SE Region Headquarters facility who manages and controls roadway equipment both from the Headquarters facility and remotely via a portable personal computer.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by WisDOT's Signal Operations Group.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by WisDOT's Signal Operations Group.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by WisDOT's Signal Operations Group.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by WisDOT's Signal Operations Group.	WisDOT_DTSD_SE

Element Name	Element Description	Stakeholder
WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by WisDOT's Signal Operations Group.	WisDOT_DTSD_SE
WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	This element represents the equipment distributed on and along the roadway that monitors and controls traffic. This equipment includes traffic signal equipment (e.g., signal heads, controllers, signal pre-emption and detection) that is operated and maintained by WisDOT's Signal Operations Group.	WisDOT_DTSD_SE
WisDOT_DTSD_SW Region_La Crosse	La Crosse Office of Transportation System Development	WisDOT_DTSD_SW Region_La Crosse
WisDOT_DTSD_SW Region_Madison	Madison Office of Transportation System Development	WisDOT_DTSD_SW Region_Madison
WisDOT_Signal Ops Group	The Wisconsin Department of Transportation Signal Operations group is responsible for state highway traffic signal operation in Southeastern Wisconsin. However, not all signals on state highways in southeastern Wisconsin are maintained and operated by the signal ops group. The Signal Ops group is the chief operator of the ICOP signal system in SE Wisconsin. The system links traffic sensors and detectors from state, county, and city signals for coordinated traffic control. The only roadway where ICOP has been deployed is Layton Ave. on Milwaukee's south side.	WisDOT_DTSD_BT
WisDOT_Signal Ops Group_Roadway Equip	Traffic signal equipment on the roadway that is operated and maintained by the Signal Ops Group.	WisDOT_DTSD_BT
WisDOT_Signal Ops Group_Roadway Equip	Traffic signal equipment on the roadway that is operated and maintained by the Signal Ops Group.	WisDOT_DTSD_BT
WisDOT_Signal Ops Group_Roadway Equip	Traffic signal equipment on the roadway that is operated and maintained by the Signal Ops Group.	WisDOT_DTSD_BT
WisDOT_Signal Ops Group_Roadway Equip	Traffic signal equipment on the roadway that is operated and maintained by the Signal Ops Group.	WisDOT_DTSD_BT
WisDOT_Signal Ops Group_Roadway Equip	Traffic signal equipment on the roadway that is operated and maintained by the Signal Ops Group.	WisDOT_DTSD_BT
WisDOT_Signal Ops Group_Roadway Equip	Traffic signal equipment on the roadway that is operated and maintained by the Signal Ops Group.	WisDOT_DTSD_BT
WisDOT_Signal Ops Group_Roadway Equip	Traffic signal equipment on the roadway that is operated and maintained by the Signal Ops Group.	WisDOT_DTSD_BT
WisDOT_Veh Insp Pgrm	Wisconsin Vehicle Inspection Program https://wisconsindot.gov/Pages/dmv/vehicles/rnew-plts/emissionstest.aspx	WisDOT_DMV_BVS

4 Interfaces between Systems

The interfaces of the transportation systems in Wisconsin Statewide Architecture are based on ARC-IT and tailored to reflect the plan for the region. Architecture diagrams display the transportation systems in the Wisconsin Statewide ITS Architecture, and more importantly, how these systems are and will be connected with one another so information can be exchanged and transportation services can be coordinated. Stakeholders may use these diagrams to identify integration opportunities. Each system in the region is represented with two types of diagrams, a context diagram and an interface diagram.

A context diagram shows a particular system and all other systems with which it shares information. Interconnects are represented as single lines and indicate information sharing without specifying the type of information being shared or the direction of the information movement.

Following each interconnect context diagram are a series of interface diagrams showing the information (i.e., information flows) movement between the various systems. Descriptions of the information flows are included at the end of the chapter.

Information about the interfaces of the systems in the region is contained in the RAD-IT database. RAD-IT can be used to create tailored interconnect and information flow diagrams for any system in the database.

Table 3: Interconnects

Element 1	Element 2	Communications	Data Distribution
Alliant Energy Center_Parking Dept	City_Madison_Traffic Dept	Not identified	Not identified
Alliant Energy Center_Parking Dept	Madison Metro	Not identified	Not identified
Alliant Energy Center_Parking Dept	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
AMTRAK	AMTRAK_Kiosks	Not identified	Not identified
AMTRAK	Madison Metro	Not identified	Not identified
AMTRAK	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
AVL-GPS Service	Winter Maintenance Vehicles	Not identified	Not identified
AVL-GPS Service	WisDOT_DTSD_BHM_Meridian MDSS	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
City_Madison_Parking Dept	City_Madison_Traffic Dept	Not identified	Not identified
City_Madison_Parking Dept	Madison Metro	Not identified	Not identified
City_Madison_Parking Dept	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
City_Madison_Streets Dept	County Highway Dept	Not identified	Not identified
City_Madison_Streets Dept	County Sheriff Dept	Not identified	Not identified
City_Madison_Traffic Dept	City_Madison_Traffic Dept_Roadway Equip	Not identified	Not identified
City_Madison_Traffic Dept	County_Dane_Airport Parking	Not identified	Not identified
City_Madison_Traffic Dept	County_Dane_Parking Dept	Not identified	Not identified
City_Madison_Traffic Dept	UW-Madison_Campus Event Services	Not identified	Not identified
City_Madison_Traffic Dept	UW-Madison_Parking Dept	Not identified	Not identified
City_Madison_Traffic Dept	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
City_Milwaukee_DPW	City_Milwaukee_EmergMgt	Not identified	Not identified
City_Milwaukee_DPW	County Highway Dept_Roadway Equip	Not identified	Not identified
City_Milwaukee_DPW	County_Milwaukee_MCTS_Tnst Veh	Not identified	Not identified
City_Milwaukee_DPW	Special Events	Not identified	Not identified
City_Milwaukee_DPW	Surface Transportation Weather Service	Not identified	Not identified
City_Milwaukee_DPW	Traveling Public	Not identified	Not identified
City_Milwaukee_DPW	WisDOT_Signal Ops Group_Roadway Equip	Not identified	Not identified
City_Milwaukee_EmergMgt	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
CLARUS data	WisDOT_DTSD_BHM_Meridian MDSS	Not identified	Not identified
CLARUS data	WisDOT_DTSD_BHM_Vaisala_FTP Server	Not identified	Not identified
County EmergencyMgt	County EmergencyMgt_Vehicle	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
County EmergencyMgt	County Highway Dept	Not identified	Not identified
County EmergencyMgt	County Sheriff Dept	Not identified	Not identified
County EmergencyMgt	County_Waukesha_Security Equip	Not identified	Not identified
County EmergencyMgt	MnDOT_Duluth TOCC	Not identified	Not identified
County EmergencyMgt	Surface Transportation Weather Service	Not identified	Not identified
County EmergencyMgt	WisDOT_DSP_NW Region_Spooner	Not identified	Not identified
County EmergencyMgt	WisDOT_DSP_SE Region_Waukesha_Vehicle	Not identified	Not identified
County EmergencyMgt	WisDOT_DTSD_BTO_TMC_Freeway Service Team	Not identified	Not identified
County EmergencyMgt	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
County EmergencyMgt	WisDOT_DTSD_NW Region_Eau Claire_Maintenance	Not identified	Not identified
County EmergencyMgt	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
County EmergencyMgt_Vehicle	County Highway Dept_Roadway Equip	Not identified	Not identified
County EmergencyMgt_Vehicle	Local Municipalities_DPW	Not identified	Not identified
County Highway Dept	County Highway Dept_Roadway Equip	Not identified	Not identified
County Highway Dept	County Highway Dept_Vehicle	Not identified	Not identified
County Highway Dept	County Maintenance Dept	Not identified	Not identified
County Highway Dept	County Sheriff Dept	Not identified	Not identified
County Highway Dept	Gold Cross Ambulance	Not identified	Not identified
County Highway Dept	Green Bay Metro	Not identified	Not identified
County Highway Dept	Local Municipalities_Emgd Dspt / EOC	Not identified	Not identified
County Highway Dept	Local Municipalities_Traffic Dept	Not identified	Not identified
County Highway Dept	Media	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
County Highway Dept	Oshkosh Transit	Not identified	Not identified
County Highway Dept	Surface Transportation Weather Service	Not identified	Not identified
County Highway Dept	WisDOT_DSP_NC Region_Wausau	Not identified	Not identified
County Highway Dept	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_NC Region_Rhineland	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_NC Region_Rhineland_CIRT	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_NE Region	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
County Highway Dept	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
County Highway Dept	WisDOT_Smart Work Zone Base Station	Not identified	Not identified
County Highway Dept_Roadway Equip	County Highway Dept_Vehicle	Not identified	Not identified
County Highway Dept_Roadway Equip	County Sheriff Dept	Not identified	Not identified
County Highway Dept_Roadway Equip	County Sheriff Dept_Vehicle	Not identified	Not identified
County Highway Dept_Roadway Equip	Gold Cross Ambulance_Vehicle	Not identified	Not identified
County Highway Dept_Roadway Equip	Local Municipalities_EmgY Dspt / EOC	Not identified	Not identified
County Highway Dept_Roadway Equip	Local Municipalities_Traffic Dept	Not identified	Not identified
County Highway Dept_Roadway Equip	Local Municipalities_Transit	Not identified	Not identified
County Highway Dept_Roadway Equip	WisDOT_DSP_NE Region_Fond du Lac_Vehicle	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
County Highway Dept_Roadway Equip	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
County Highway Dept_Roadway Equip	WisDOT_DTSD_NC Region_Rhineland	Not identified	Not identified
County Highway Dept_Roadway Equip	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
County Highway Dept_Roadway Equip	WisDOT_DTSD_NE Region	Not identified	Not identified
County Highway Dept_Roadway Equip	WisDOT_Signal Ops Group_Roadway Equip	Not identified	Not identified
County Maintenance Dept	County Sheriff Dept	Not identified	Not identified
County Maintenance Dept	WisDOT_DTSD_NC Region_Rhineland	Not identified	Not identified
County Maintenance Dept	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
County Maintenance Dept	WisDOT_DTSD_NE Region	Not identified	Not identified
County Maintenance Dept	WisDOT_DTSD_NW Region_Eau Claire	Not identified	Not identified
County Maintenance Dept	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
County Maintenance Dept	WisDOT_DTSD_SE Region	Not identified	Not identified
County Maintenance Dept	WisDOT_DTSD_SW Region_La Crosse	Not identified	Not identified
County Maintenance Dept	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
County Sheriff Dept	County Sheriff Dept_Vehicle	Not identified	Not identified
County Sheriff Dept	County_Dane_Public Safety Comm Center	Not identified	Not identified
County Sheriff Dept	Gold Cross Ambulance	Not identified	Not identified
County Sheriff Dept	Green Bay Metro	Not identified	Not identified
County Sheriff Dept	Local Municipalities_EmgY Dspt / EOC	Not identified	Not identified
County Sheriff Dept	Local Municipalities_Traffic Dept	Not identified	Not identified
County Sheriff Dept	Local Municipalities_Transit	Not identified	Not identified
County Sheriff Dept	Madison Metro	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
County Sheriff Dept	Media	Not identified	Not identified
County Sheriff Dept	Oneida Transit	Not identified	Not identified
County Sheriff Dept	UW-Madison_Hospital	Not identified	Not identified
County Sheriff Dept	UW-Madison_Police Dept	Not identified	Not identified
County Sheriff Dept	Valley Transit	Not identified	Not identified
County Sheriff Dept	WisDOT_DSP_NC Region_Wausau	Not identified	Not identified
County Sheriff Dept	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
County Sheriff Dept	WisDOT_DSP_NW Region_Eau Claire	Not identified	Not identified
County Sheriff Dept	WisDOT_DSP_SE Region_Waukesha	Not identified	Not identified
County Sheriff Dept	WisDOT_DSP_SW Region_DeForest	Not identified	Not identified
County Sheriff Dept	WisDOT_DTSD_NC Region_Rhineland	Not identified	Not identified
County Sheriff Dept	WisDOT_DTSD_NC Region_Rhineland_CIRT	Not identified	Not identified
County Sheriff Dept	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
County Sheriff Dept	WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	Not identified	Not identified
County Sheriff Dept	WisDOT_DTSD_NE Region	Not identified	Not identified
County Sheriff Dept	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
County Sheriff Dept	WisDOT_Smart Work Zone Base Station	Not identified	Not identified
County Sheriff Dept	x-Emergency Vehicles	Not identified	Not identified
County Sheriff Dept	x-Mayday System	Not identified	Not identified
County Sheriff Dept_Vehicle	Local Municipalities_EmgY Dspt / EOC	Not identified	Not identified
County Sheriff Dept_Vehicle	Local Municipalities_Traffic Dept	Not identified	Not identified
County Sheriff Dept_Vehicle	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
County_Dane_Airport Parking	Madison Metro	Not identified	Not identified
County_Dane_Airport Parking	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
County_Dane_Parking Dept	Madison Metro	Not identified	Not identified
County_Dane_Parking Dept	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
County_Dane_Public Safety Comm Center	County_Dane_Public Safety Comm Center_Personnel	Not identified	Not identified
County_Dane_Public Safety Comm Center	Madison Metro	Not identified	Not identified
County_Dane_Public Safety Comm Center	Media	Not identified	Not identified
County_Dane_Public Safety Comm Center	UW-Madison_Police Dept	Not identified	Not identified
County_Dane_Public Safety Comm Center	WisDOT_DSP_SW Region_DeForest	Not identified	Not identified
County_Dane_Public Safety Comm Center	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
County_Dane_Public Safety Comm Center	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
County_Dane_Public Safety Comm Center	x-Emergency Vehicles	Not identified	Not identified
County_Dane_Sheriff Dept	TOPS_WisTransPortal_InterCAD	Not identified	Not identified
County_Kenosha_Joint Serv Cmd Cntr	County_Kenosha_Joint Serv Cmd Cntr_Emgv Veh	Not identified	Not identified
County_Kenosha_Joint Serv Cmd Cntr	WisDOT_DSP_SE Region_Waukesha_Vehicle	Not identified	Not identified
County_Kenosha_Joint Serv Cmd Cntr	WisDOT_DTSD_BTO_TMC_Freeway Service Team	Not identified	Not identified
County_Kenosha_Joint Serv Cmd Cntr	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
County_Kenosha_Joint Serv Cmd Cntr_Emgv Veh	Local Municipalities_DPW	Not identified	Not identified
County_Milwaukee_EMS Comm Cntr	County_Milwaukee_EMS Comm Cntr_Emgv Veh	Not identified	Not identified
County_Milwaukee_EMS Comm Cntr	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
County_Milwaukee_MCTS	County_Milwaukee_MCTS_Kiosks	Not identified	Not identified
County_Milwaukee_MCTS	County_Milwaukee_MCTS_Sty Mnt Fld Eqp	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
County_Milwaukee_MCTS	County_Milwaukee_MCTS_Tnst Veh	Not identified	Not identified
County_Milwaukee_MCTS	Traveling Public	Not identified	Not identified
County_Milwaukee_MCTS_Tnst Veh	Traveling Public	Not identified	Not identified
County_Milwaukee_Sheriff Dept	County_Milwaukee_Sheriff Dept_Emgv Veh	Not identified	Not identified
County_Milwaukee_Sheriff Dept	County_Milwaukee_Sheriff Dept_Freeway Patrol	Not identified	Not identified
County_Milwaukee_Sheriff Dept	TOPS_WisTransPortal_InterCAD	Not identified	Not identified
County_Milwaukee_Sheriff Dept	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
County_Milwaukee_Sheriff Dept	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
County_Milwaukee_Sheriff Dept	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
County_Milwaukee_Sheriff Dept_CAD	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
County_Washington_WCCE	County_Washington_WCCE_Tnst Veh	Not identified	Not identified
County_Washington_WCCE_Tnst Veh	Traveling Public	Not identified	Not identified
County_Waukesha_Sheriff Dept	TOPS_WisTransPortal_InterCAD	Not identified	Not identified
Gen Mitchell Int Airport	Traveling Public	Not identified	Not identified
Gold Cross Ambulance	Gold Cross Ambulance_Vehicle	Not identified	Not identified
Gold Cross Ambulance	Green Bay Metro	Not identified	Not identified
Gold Cross Ambulance	Local Municipalities_Emgv Dspt / EOC	Not identified	Not identified
Gold Cross Ambulance	Local Municipalities_Traffic Dept	Not identified	Not identified
Gold Cross Ambulance	Media	Not identified	Not identified
Gold Cross Ambulance	Oneida Transit	Not identified	Not identified
Gold Cross Ambulance	Oshkosh Transit	Not identified	Not identified
Gold Cross Ambulance	Valley Transit	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
Gold Cross Ambulance	WisDOT_DTSD_NE Region	Not identified	Not identified
Gold Cross Ambulance	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified
Gold Cross Ambulance_Vehicle	Local Municipalities_Traffic Dept	Not identified	Not identified
Gold Cross Ambulance_Vehicle	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
Green Bay Metro	Green Bay Metro_Drivers	Not identified	Not identified
Green Bay Metro	Green Bay Metro_Kiosks	Not identified	Not identified
Green Bay Metro	Green Bay Metro_Operators	Not identified	Not identified
Green Bay Metro	Green Bay Metro_Partransit Vehicles	Not identified	Not identified
Green Bay Metro	Green Bay Metro_Vehicles	Not identified	Not identified
Green Bay Metro	Green Bay Metro_Web Page	Not identified	Not identified
Green Bay Metro	Local Municipalities_EmgY Dspt / EOC	Not identified	Not identified
Green Bay Metro	Local Municipalities_Traffic Dept	Not identified	Not identified
Green Bay Metro	Oneida Transit	Not identified	Not identified
Green Bay Metro	Oshkosh Transit	Not identified	Not identified
Green Bay Metro	Valley Transit	Not identified	Not identified
Green Bay Metro	WisDOT_DTSD_NE Region	Not identified	Not identified
Green Bay Metro	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified
Green Bay Metro_Drivers	Green Bay Metro_Vehicles	Not identified	Not identified
Green Bay Metro_Drivers	Oneida Transit	Not identified	Not identified
Green Bay Metro_Drivers	Oneida Transit_Vehicles	Not identified	Not identified
Green Bay Metro_Drivers	Oshkosh Transit_Vehicles	Not identified	Not identified
Green Bay Metro_Drivers	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
Green Bay Metro_Vehicles	Local Municipalities_Traffic Dept	Not identified	Not identified
Green Bay Metro_Vehicles	Traveling Public	Not identified	Not identified
IDOT District 1	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
Illinois Tollway_Roadway Equip	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
Intercity Coach Lines_Badger Bus Lines	Intercity Coach Lines_Badger Bus Lines_Security Equip	Not identified	Not identified
Intercity Coach Lines_Badger Bus Lines	Intercity Coach Lines_Badger Bus Lines_Tnst Veh	Not identified	Not identified
Intercity Coach Lines_Badger Bus Lines	Traveling Public	Not identified	Not identified
Intercity Coach Lines_Greyhound	Intercity Coach Lines_Greyhound_Tnst Veh	Not identified	Not identified
Intercity Coach Lines_Greyhound	Traveling Public	Not identified	Not identified
Intercity Coach Lines_Wisc Coach Lines	Intercity Coach Lines_Wisc Coach Lines_Security Equip	Not identified	Not identified
Intercity Coach Lines_Wisc Coach Lines	Intercity Coach Lines_Wisc Coach Lines_Tnst Veh	Not identified	Not identified
Intercity Coach Lines_Wisc Coach Lines	Traveling Public	Not identified	Not identified
Lake Express Ferry	Traveling Public	Not identified	Not identified
LMIGA_Website	Traveling Public	Not identified	Not identified
LMIGA_Website	WisDOT_DTSD_BTO_TMC_511 XML	Not identified	Not identified
LMIGA_Website	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
Local Municipalities_DPW	Local Municipalities_Emgv Dspt / EOC	Not identified	Not identified
Local Municipalities_DPW	Surface Transportation Weather Service	Not identified	Not identified
Local Municipalities_DPW	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	Local Municipalities_Traffic Dept	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	Local Municipalities_Transit	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	Media	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
Local Municipalities_Emgv Dspt / EOC	Miller Park_Operations Center	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	Oneida Transit	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	Oshkosh Transit	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	Valley Transit	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DSP_NC Region_Wausau	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DSP_NW Region_Eau Claire	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DSP_NW Region_Spooner	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DTSD_NC Region_Rhineland_CIRT	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DTSD_NE Region	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
Local Municipalities_Emgv Dspt / EOC	x-Mayday System	Not identified	Not identified
Local Municipalities_Personnel	WisDOT_DTSD_BTO_TMC_CCTV	Not identified	Not identified
Local Municipalities_Traffic Dept	Local Municipalities_Transit	Not identified	Not identified
Local Municipalities_Traffic Dept	Media	Not identified	Not identified
Local Municipalities_Traffic Dept	Oneida Transit	Not identified	Not identified
Local Municipalities_Traffic Dept	Oneida Transit_Vehicles	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
Local Municipalities_Traffic Dept	Oshkosh Transit	Not identified	Not identified
Local Municipalities_Traffic Dept	Oshkosh Transit_Vehicles	Not identified	Not identified
Local Municipalities_Traffic Dept	Valley Transit	Not identified	Not identified
Local Municipalities_Traffic Dept	Valley Transit_Vehicles	Not identified	Not identified
Local Municipalities_Traffic Dept	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
Local Municipalities_Traffic Dept	WisDOT_DSP_NE Region_Fond du Lac_Vehicle	Not identified	Not identified
Local Municipalities_Traffic Dept	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
Local Municipalities_Traffic Dept	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
Local Municipalities_Traffic Dept	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
Local Municipalities_Traffic Dept	WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	Not identified	Not identified
Local Municipalities_Traffic Dept	WisDOT_DTSD_NE Region	Not identified	Not identified
Local Municipalities_Traffic Signal Equipment	Traveling Public	Not identified	Not identified
Local Municipalities_Traffic Signal Equipment	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
Local Municipalities_Traffic Signal Equipment	WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	Not identified	Not identified
Local Municipalities_Traffic Signal Equipment	WisDOT_DTSD_SE Region_Signal Ops_ATMS	Not identified	Not identified
Local Municipalities_Traffic Signal Equipment	WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	Not identified	Not identified
Local Municipalities_Traffic Signal Equipment	x-Emergency Vehicles	Not identified	Not identified
Local Municipalities_Transit	Media	Not identified	Not identified
Local Municipalities_Transit	Traveling Public	Not identified	Not identified
Local Municipalities_Transit	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
Local Municipalities_Transit	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
Local Municipalities_Transit	x-Kiosks	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
Local Municipalities_Transit	x-PC Website Information	Not identified	Not identified
Madison Metro	Madison Metro_Kiosks	Not identified	Not identified
Madison Metro	Media	Not identified	Not identified
Madison Metro	Traveling Public	Not identified	Not identified
Madison Metro	UW-Madison_Parking Dept	Not identified	Not identified
Madison Metro	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
Madison Metro	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
Media	Oshkosh Transit	Not identified	Not identified
Media	TOPS_WisTransPortal_LINK	Not identified	Not identified
Media	TOPS_WisTransPortal_TIA System	Not identified	Not identified
Media	Traveling Public	Not identified	Not identified
Media	UW-Madison_Police Dept	Not identified	Not identified
Media	WisDOT_DSP_NC Region_Wausau	Not identified	Not identified
Media	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
Media	WisDOT_DSP_NW Region_Eau Claire	Not identified	Not identified
Media	WisDOT_DSP_SE Region_Waukesha	Not identified	Not identified
Media	WisDOT_DSP_SW Region_DeForest	Not identified	Not identified
Media	WisDOT_DSP_SW Region_Tomah	Not identified	Not identified
Media	WisDOT_DTSD_BTO_TMC_CCTV	Not identified	Not identified
Media	WisDOT_DTSD_NC Region_Rhineland	Not identified	Not identified
Media	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
Media	WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
Media	WisDOT_DTSD_NE Region	Not identified	Not identified
Media	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
Media	x-Vehicles	Not identified	Not identified
Meridian Systems_Snow Plow AVL	TOPS_WisTransPortal_Maintenance Data	Not identified	Not identified
Miller Park_Operations Center	Miller Park_Operations Center_Roadway Equip	Not identified	Not identified
Miller Park_Operations Center	Miller Park_Operations Center_Televisions	Not identified	Not identified
Miller Park_Operations Center	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
Miller Park_Operations Center	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
Miller Park_Operations Center	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
Miller Park_Operations Center	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
Miller Park_Operations Center_Roadway Equip	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
Miller Park_Operations Center_Roadway Equip	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
MnDOT_Duluth TOCC	US Coast Guard	Not identified	Not identified
MnDOT_Duluth TOCC	WisDOT_DSP_NW Region_Spooner	Not identified	Not identified
MnDOT_Duluth TOCC	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
MnDOT_Duluth TOCC	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
Oneida Transit	Oneida Transit_Drivers	Not identified	Not identified
Oneida Transit	Oneida Transit_Vehicles	Not identified	Not identified
Oneida Transit	Oshkosh Transit_Drivers	Not identified	Not identified
Oneida Transit	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
Oneida Transit	WisDOT_DTSD_NE Region	Not identified	Not identified
Oneida Transit_Drivers	Oneida Transit_Vehicles	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
Oneida Transit_Drivers	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified
Oneida Transit_Vehicles	Oshkosh Transit_Drivers	Not identified	Not identified
Oneida Transit_Vehicles	Traveling Public	Not identified	Not identified
Oshkosh Transit	Oshkosh Transit_Drivers	Not identified	Not identified
Oshkosh Transit	Oshkosh Transit_Operators	Not identified	Not identified
Oshkosh Transit	Oshkosh Transit_Partransit Vehicles	Not identified	Not identified
Oshkosh Transit	Oshkosh Transit_Vehicles	Not identified	Not identified
Oshkosh Transit	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
Oshkosh Transit	WisDOT_DTSD_NE Region	Not identified	Not identified
Oshkosh Transit	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified
Oshkosh Transit_Drivers	Oshkosh Transit_Vehicles	Not identified	Not identified
Oshkosh Transit_Drivers	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified
Oshkosh Transit_Vehicles	Traveling Public	Not identified	Not identified
Port of Milwaukee	Wisc Emgy Mgt	Not identified	Not identified
Public_In-vehicle Equipment	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
Special Events	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
Special Events	WisDOT_DTSD_SE Region_Signal Ops_ATMS	Not identified	Not identified
Surface Transportation Weather Service	WisDOT_DTSD_BTO_Winter Road Conditions	Not identified	Not identified
Surface Transportation Weather Service	WisDOT_DTSD_NW Region_Eau Claire_Maintenance	Not identified	Not identified
Surface Transportation Weather Service	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
TOPS_GIS	WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database	Not identified	Not identified
TOPS_WisTransPortal_Crash Data	WisDOT	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
TOPS_WisTransPortal_Crash Data	WisDOT_DBM_BITS_LCS GIS Extract	Not identified	Not identified
TOPS_WisTransPortal_Crash Data	WisDOT_DBM_BITS_MV4000 Crash Reports Extract	Not identified	Not identified
TOPS_WisTransPortal_Crash Data	WisDOT_DBM_BITS_RP GIS Coverage	Not identified	Not identified
TOPS_WisTransPortal_Crash Data	WisDOT_DMV_MV4000 Traffic Accident Extract	Not identified	Not identified
TOPS_WisTransPortal_Crash Data	x-Contractors	Not identified	Not identified
TOPS_WisTransPortal_Crash Data	x-Other Data Users	Not identified	Not identified
TOPS_WisTransPortal_Crash Data	x-Other Government	Not identified	Not identified
TOPS_WisTransPortal_Crash Data	x-Universities	Not identified	Not identified
TOPS_WisTransPortal_InterCAD	WisDOT_DBM_BITS_LCS GIS Extract	Not identified	Not identified
TOPS_WisTransPortal_InterCAD	WisDOT_DSP_BPSC_CAD	Not identified	Not identified
TOPS_WisTransPortal_InterCAD	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
TOPS_WisTransPortal_InterCAD	x-Universities	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	TOPS_WisTransPortal_LINK	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	WisDOT	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	WisDOT_DBM_BITS_LCS GIS Extract	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	WisDOT_DBM_BITS_LCS LET Project Extract	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	WisDOT_DMV_BVS_Superload	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	WisDOT_DTSD_BTO_TMC_511 XML	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	WisDOT_DTSD_BTO_Work Zone Map	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	x-Contractors	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
TOPS_WisTransPortal_Lane Closure System	x-Other Government	Not identified	Not identified
TOPS_WisTransPortal_Lane Closure System	x-Utilities	Not identified	Not identified
TOPS_WisTransPortal_LINK	WisDOT	Not identified	Not identified
TOPS_WisTransPortal_LINK	WisDOT_DSP	Not identified	Not identified
TOPS_WisTransPortal_LINK	WisDOT_DTSD_BTO_TMC_511 XML	Not identified	Not identified
TOPS_WisTransPortal_LINK	WisDOT_DTSD_BTO_TMC_CCTV	Not identified	Not identified
TOPS_WisTransPortal_LINK	x-Other Data Users	Not identified	Not identified
TOPS_WisTransPortal_LINK	x-Other Government	Not identified	Not identified
TOPS_WisTransPortal_LINK	x-Towing	Not identified	Not identified
TOPS_WisTransPortal_Maintenance Data	WisDOT_DTSD_BHM_Meridian MDSS	Not identified	Not identified
TOPS_WisTransPortal_Maintenance Data	WisDOT_DTSD_BHM_Vaisala FTP Server	Not identified	Not identified
TOPS_WisTransPortal_Storm Report System	WisDOT_DTSD_BHM_Meridian MDSS	Not identified	Not identified
TOPS_WisTransPortal_Storm Report System	WisDOT_DTSD_BHM_Storm Report System	Not identified	Not identified
TOPS_WisTransPortal_TIA System	WisDOT	Not identified	Not identified
TOPS_WisTransPortal_TIA System	WisDOT_DBM_BITS_LCS GIS Extract	Not identified	Not identified
TOPS_WisTransPortal_TIA System	WisDOT_DSP_BFO_Personnel	Not identified	Not identified
TOPS_WisTransPortal_TIA System	WisDOT_DTSD_BTO_TMC_511 Twitter Accounts	Not identified	Not identified
TOPS_WisTransPortal_TIA System	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
TOPS_WisTransPortal_TIA System	x-Other Data Users	Not identified	Not identified
TOPS_WisTransPortal_TIA System	x-Other Government	Not identified	Not identified
TOPS_WisTransPortal_TIA System	x-Universities	Not identified	Not identified
TOPS_WisTransPortal_Traffic Data	WisDOT	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
TOPS_WisTransPortal_Traffic Data	WisDOT_DBM_BITS_TRADAS Data Extract	Not identified	Not identified
TOPS_WisTransPortal_Traffic Data	WisDOT_DTIM_BPED_VMT Data	Not identified	Not identified
TOPS_WisTransPortal_Traffic Data	WisDOT_DTIM_BSHP_TRADAS Database	Not identified	Not identified
TOPS_WisTransPortal_Traffic Data	WisDOT_DTSD_BTO_TMC_511 XML	Not identified	Not identified
TOPS_WisTransPortal_Traffic Data	WisDOT_DTSD_BTO_TMC_ATMS Detector Data Extract	Not identified	Not identified
TOPS_WisTransPortal_Traffic Data	x-Contractors	Not identified	Not identified
TOPS_WisTransPortal_Traffic Data	x-Other Data Users	Not identified	Not identified
TOPS_WisTransPortal_Traffic Data	x-Universities	Not identified	Not identified
TOPS_WisTransPortal_WRS	Weather data	Not identified	Not identified
TOPS_WisTransPortal_WRS	WisDOT_DBM_BITS_LCS GIS Extract	Not identified	Not identified
TOPS_WisTransPortal_WRS	WisDOT_DSP_BFO_Personnel	Not identified	Not identified
TOPS_WisTransPortal_WRS	WisDOT_DTSD_BTO_TMC_511 XML	Not identified	Not identified
TOPS_WisTransPortal_WRS	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
Traveling Public	Valley Transit_Paratransit Vehicles	Not identified	Not identified
Traveling Public	Valley Transit_Vehicles	Not identified	Not identified
Traveling Public	WisDOT_DTSD_BTO_TMC_511 Telephony	Not identified	Not identified
Traveling Public	WisDOT_DTSD_BTO_TMC_511 Website	Not identified	Not identified
Traveling Public	WisDOT_DTSD_BTO_TMC_DMS	Not identified	Not identified
Traveling Public	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
Traveling Public	WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	Not identified	Not identified
Traveling Public	WisDOT_Traveler Websites	Not identified	Not identified
US Coast Guard	Wisc Emgy Mgt	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
US Coast Guard	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
US Coast Guard	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
UW-Madison_Campus Event Services	UW-Madison_Police Dept	Not identified	Not identified
UW-Madison_Campus Event Services	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
UW-Madison_Parking Dept	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
UW-Madison_SSEC_Weather Map	WisDOT_DTSD_BTO_TMC_511 Website	Not identified	Not identified
UW-Madison_SSEC_Weather Map	WisDOT_DTSD_BTO_TMC_511 XML	Not identified	Not identified
Valley Transit	Valley Transit_Drivers	Not identified	Not identified
Valley Transit	Valley Transit_Operators	Not identified	Not identified
Valley Transit	Valley Transit_Partransit Vehicles	Not identified	Not identified
Valley Transit	Valley Transit_Vehicles	Not identified	Not identified
Valley Transit	Valley Transit_Web Site	Not identified	Not identified
Valley Transit	WisDOT_DTSD_NE Region	Not identified	Not identified
Valley Transit	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified
Valley Transit_Drivers	Valley Transit_Partransit Vehicles	Not identified	Not identified
Valley Transit_Drivers	Valley Transit_Vehicles	Not identified	Not identified
Weather data	WisDOT_DTSD_BHM_Meridian MDSS	Not identified	Not identified
Winter Maintenance Vehicles	WisDOT_DTSD_BHM_Meridian MDSS	Not identified	Not identified
Winter Maintenance Vehicles	WisDOT_DTSD_BHM_Storm Report System	Not identified	Not identified
Wisc Emgy Mgt	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
Wisc Emgy Mgt	WisDOT_DSP_SE Region_Waukesha	Not identified	Not identified
Wisc Emgy Mgt	WisDOT_DSP_SE Region_Waukesha_Vehicle	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
Wisc Emgy Mgt	WisDOT_DSP_SW Region_DeForest	Not identified	Not identified
Wisc Emgy Mgt	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
Wisc Emgy Mgt_Personnel	WisDOT_DTSD_BTO_TMC_511 System	Not identified	Not identified
WisDOT_DBM_BITS_LCS GIS Extract	WisDOT_DTIM_BSHP_STN Database	Not identified	Not identified
WisDOT_DBM_BITS_LCS GIS Extract	WisDOT_DTIM_BSHP_WisLR Database	Not identified	Not identified
WisDOT_DBM_BITS_LCS GIS Extract	WisDOT_DTSD_BOS_Bridge Database	Not identified	Not identified
WisDOT_DBM_BITS_LCS LET Project Extract	WisDOT_DTIM_Contract Management System	Not identified	Not identified
WisDOT_DBM_BITS_MV4000 Crash Reports Extract	WisDOT_DMV_MV4000 Content Manager	Not identified	Not identified
WisDOT_DBM_BITS_RP GIS Coverage	WisDOT_DMV_MV4000 DB2 Database	Not identified	Not identified
WisDOT_DBM_BITS_TRADAS Data Extract	WisDOT_DTIM_BSHP_TRADAS Database	Not identified	Not identified
WisDOT_DMV_Cmrl Veh Admn	WisDOT_DSP_NC Region_Wausau_Weigh Station	Not identified	Not identified
WisDOT_DMV_Cmrl Veh Admn	WisDOT_DSP_NW Region_Eau Claire_Weigh Station	Not identified	Not identified
WisDOT_DMV_MV4000 DB2 Database	WisDOT_DMV_MV4000 Traffic Accident Extract	Not identified	Not identified
WisDOT_DSP_BFO_Personnel	WisDOT_DSP_BPSC_CAD	Not identified	Not identified
WisDOT_DSP_BFO_Personnel	WisDOT_DTSD_BTO_TMC_511 System	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DSP_NC Region_Wausau_Vehicle	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DSP_NE Region_Fond du Lac	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DSP_NW Region_Eau Claire	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DSP_SE Region_Waukesha	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DSP_SW Region_DeForest	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DSP_SW Region_Tomah	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
WisDOT_DSP_NC Region_Wausau	WisDOT_DTSD_NC Region_Rhineland	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DTSD_NC Region_Rhineland_CIRT	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DTSD_NE Region	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DSP_NC Region_Wausau_Weigh Station	x-Commercial Vehicle	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DSP_NE Region_Fond du Lac_Vehicle	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DSP_NW Region_Eau Claire	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DSP_SE Region_Waukesha	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DSP_SW Region_DeForest	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DSP_SW Region_Tomah	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DTSD_NC Region_Rhineland	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DTSD_NE Region	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DSP_NE Region_Fond du Lac_Vehicle	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
WisDOT_DSP_NW Region_Eau Claire	WisDOT_DSP_NW Region_Eau Claire_Vehicle	Not identified	Not identified
WisDOT_DSP_NW Region_Eau Claire	WisDOT_DSP_SE Region_Waukesha	Not identified	Not identified
WisDOT_DSP_NW Region_Eau Claire	WisDOT_DSP_SW Region_DeForest	Not identified	Not identified
WisDOT_DSP_NW Region_Eau Claire	WisDOT_DSP_SW Region_Tomah	Not identified	Not identified
WisDOT_DSP_NW Region_Eau Claire	WisDOT_DTSD_NW Region_Eau Claire	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
WisDOT_DSP_NW Region_Eau Claire_Weigh Station	x-Commercial Vehicle	Not identified	Not identified
WisDOT_DSP_NW Region_Spooner	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
WisDOT_DSP_SE Region_Waukesha	WisDOT_DSP_SE Region_Waukesha_SWEF	Not identified	Not identified
WisDOT_DSP_SE Region_Waukesha	WisDOT_DSP_SE Region_Waukesha_Vehicle	Not identified	Not identified
WisDOT_DSP_SE Region_Waukesha	WisDOT_DSP_SW Region_DeForest	Not identified	Not identified
WisDOT_DSP_SE Region_Waukesha	WisDOT_DSP_SW Region_Tomah	Not identified	Not identified
WisDOT_DSP_SE Region_Waukesha	WisDOT_DTSD_BTO_TMC_Freeway Service Team	Not identified	Not identified
WisDOT_DSP_SE Region_Waukesha	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DSP_SE Region_Waukesha	WisDOT_Veh Insp Pgrm	Not identified	Not identified
WisDOT_DSP_SE Region_Waukesha_SWEF	x-Commercial Vehicle	Not identified	Not identified
WisDOT_DSP_SW Region_DeForest	WisDOT_DSP_SW Region_Tomah	Not identified	Not identified
WisDOT_DSP_SW Region_DeForest	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
WisDOT_DSP_SW Region_DeForest	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DSP_SW Region_DeForest	WisDOT_Smart Work Zone Base Station	Not identified	Not identified
WisDOT_DSP_SW Region_Tomah	WisDOT_DTSD_SW Region_La Crosse	Not identified	Not identified
WisDOT_DTSD_BHM_Environmental Sensor Stations	WisDOT_DTSD_BHM_Vaisala_FTP Server	Not identified	Not identified
WisDOT_DTSD_BHM_Environmental Sensor Stations	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
WisDOT_DTSD_BHM_Meridian MDSS	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
WisDOT_DTSD_BTO_ITS/ITSNet Asset Management	WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database	Not identified	Not identified
WisDOT_DTSD_BTO_ITS/ITSNet Asset Management	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database	WisDOT_DTSD_BTO_TMC_511 System	Not identified	Not identified
WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
WisDOT_DTSD_BTO_ITSNet Network Monitors	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
WisDOT_DTSD_BTO_Locator Services	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 System	WisDOT_DTSD_BTO_TMC_511 Telephony	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 System	WisDOT_DTSD_BTO_TMC_511 Website	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 System	WisDOT_DTSD_BTO_TMC_511 XML	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 System	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 System	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 Telephony	x-PC Website Information	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 Website	WisDOT_DTSD_BTO_TMC_CCTV	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 Website	x-PC Website Information	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 XML	WisDOT_DTSD_BTO_TMC_ATMS	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_511 XML	x-Other ISP	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_BTO_TMC_ATMS Detector Data Extract	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_BTO_TMC_CCTV	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_BTO_TMC_DMS	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_BTO_TMC_Security Equip	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_NW Region_Eau Claire_Maintenance	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_ATMS	WisDOT_Planning Group	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_CCTV	WisDOT_DTSD_BTO_TMC_Personnel	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_CCTV	WisDOT_DTSD_BTO_TMC_Roadway Equip	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Personnel	WisDOT_Planning Group	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_DTSD_NC Region_Rhineland	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_DTSD_NC Region_Wisconsin Rapids	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_DTSD_NE Region	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_DTSD_NW Region_Eau Claire	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_DTSD_NW Region_Eau Claire_Maintenance	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_DTSD_SW Region_La Crosse	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	WisDOT_Smart Work Zone Base Station	Not identified	Not identified
WisDOT_DTSD_BTO_TMC_Roadway Equip	x-Vehicles	Not identified	Not identified
WisDOT_DTSD_BTO_Winter Road Conditions	WisDOT_DTSD_NW Region_Eau Claire_Maintenance	Not identified	Not identified
WisDOT_DTSD_NC Region_Rhineland	WisDOT_DTSD_NC Region_Rhineland_CIRT	Not identified	Not identified
WisDOT_DTSD_NC Region_Rhineland	WisDOT_DTSD_NW Region_Eau Claire_Maintenance	Not identified	Not identified
WisDOT_DTSD_NC Region_Rhineland	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_NC Region_Wisconsin Rapids	WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	Not identified	Not identified

Element 1	Element 2	Communications	Data Distribution
WisDOT_DTSD_NC Region_Wisconsin Rapids	WisDOT_DTSD_NW Region_Eau Claire_Maintenance	Not identified	Not identified
WisDOT_DTSD_NC Region_Wisconsin Rapids	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	WisDOT_DTSD_NW Region_Eau Claire_Maintenance	Not identified	Not identified
WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_NE Region	WisDOT_DTSD_NE Region_Passenger Rail Mgt	Not identified	Not identified
WisDOT_DTSD_NE Region	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_NW Region_Eau Claire	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_NW Region_Eau Claire_Maintenance	WisDOT_DTSD_NW Region_Eau Claire_Maintenance_Vehicle	Not identified	Not identified
WisDOT_DTSD_NW Region_Eau Claire_Maintenance	WisDOT_DTSD_NW Region_Superior	Not identified	Not identified
WisDOT_DTSD_SE Region	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_SE Region_Signal Ops_ASCT Center	WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	Not identified	Not identified
WisDOT_DTSD_SE Region_Signal Ops_ASCT Center	WisDOT_DTSD_SE Region_Signal Ops_Personnel	Not identified	Not identified
WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	WisDOT_DTSD_SE Region_Signal Ops_ATMS	Not identified	Not identified
WisDOT_DTSD_SE Region_Signal Ops_ASCT Field	WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	Not identified	Not identified
WisDOT_DTSD_SE Region_Signal Ops_ATMS	WisDOT_DTSD_SE Region_Signal Ops_Personnel	Not identified	Not identified
WisDOT_DTSD_SE Region_Signal Ops_ATMS	WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	Not identified	Not identified
WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip	x-Emergency Vehicles	Not identified	Not identified
WisDOT_DTSD_SW Region_La Crosse	WisDOT_DTSD_SW Region_Madison	Not identified	Not identified
WisDOT_DTSD_SW Region_Madison	WisDOT_Smart Work Zone Base Station	Not identified	Not identified
WisDOT_Signal Ops Group	WisDOT_Signal Ops Group_Roadway Equip	Not identified	Not identified

Appendix A. Interfaces Details

The interfaces of the transportation systems in the Wisconsin Statewide ITS Architecture are based on ARC-IT and tailored to reflect the plan for the region. Architecture diagrams display the transportation systems in the Wisconsin Statewide ITS Architecture, and more importantly, how these systems are and will be connected with one another so information can be exchanged and transportation services can be coordinated. Stakeholders may use these diagrams to identify integration opportunities. Each system in the region is represented with two types of diagrams, a context diagram and an interface diagram.

A context diagram shows a particular system and all other systems with which it shares information. Interconnects are represented as single lines and indicate information sharing without specifying the type of information being shared or the direction of the information movement.

Following each interconnect context diagram are a series of information flow diagrams showing the information (i.e. information flows) movement between the various systems. Descriptions of the information flows are included at the end of the chapter.

Information about the interfaces of the systems in the region is contained in the RAD-IT database. RAD-IT can be used to create tailored interconnect and information flow diagrams for any system in the database.

Wisconsin Statewide Architecture Interface Diagrams

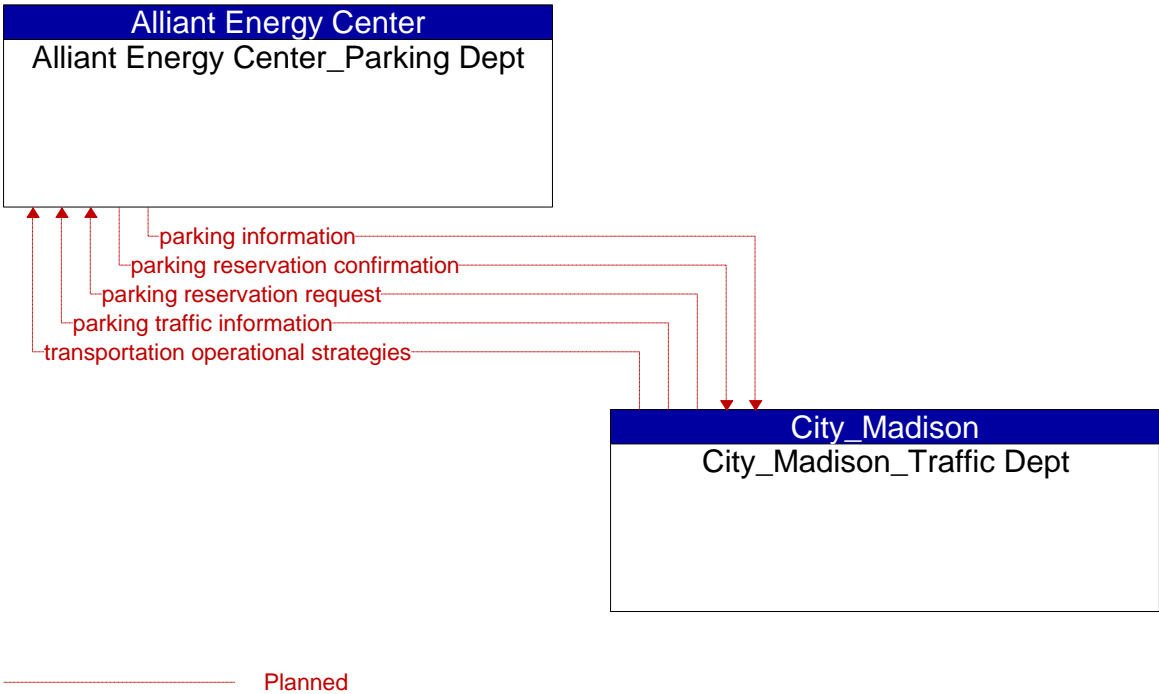


Figure 1: Alliant Energy Center_Parking Dept - City_Madison_Traffic Dept Interface

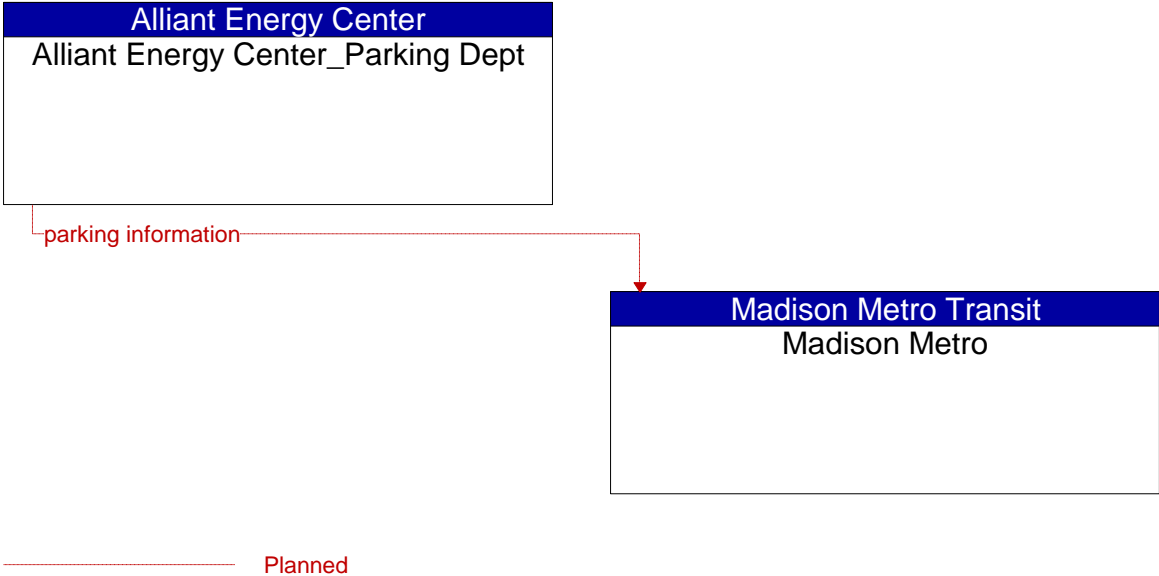


Figure 2: Alliant Energy Center_Parking Dept - Madison Metro Interface

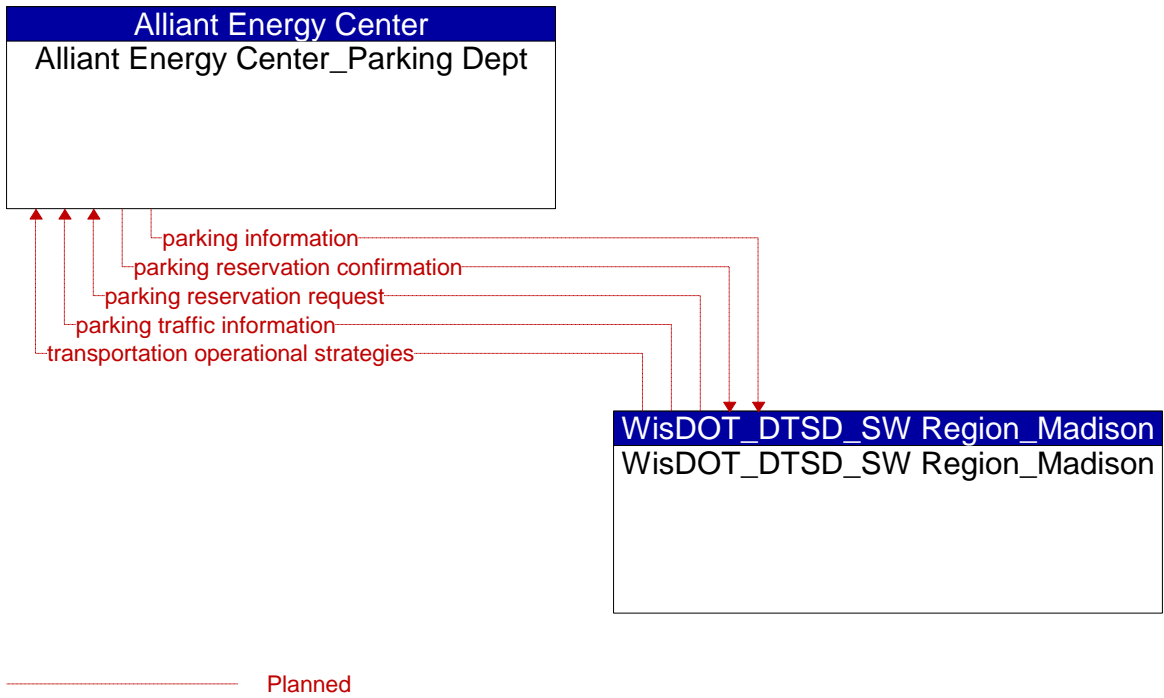


Figure 3: Alliant Energy Center_Parking Dept - WisDOT_DTSD_SW Region_Madison Interface

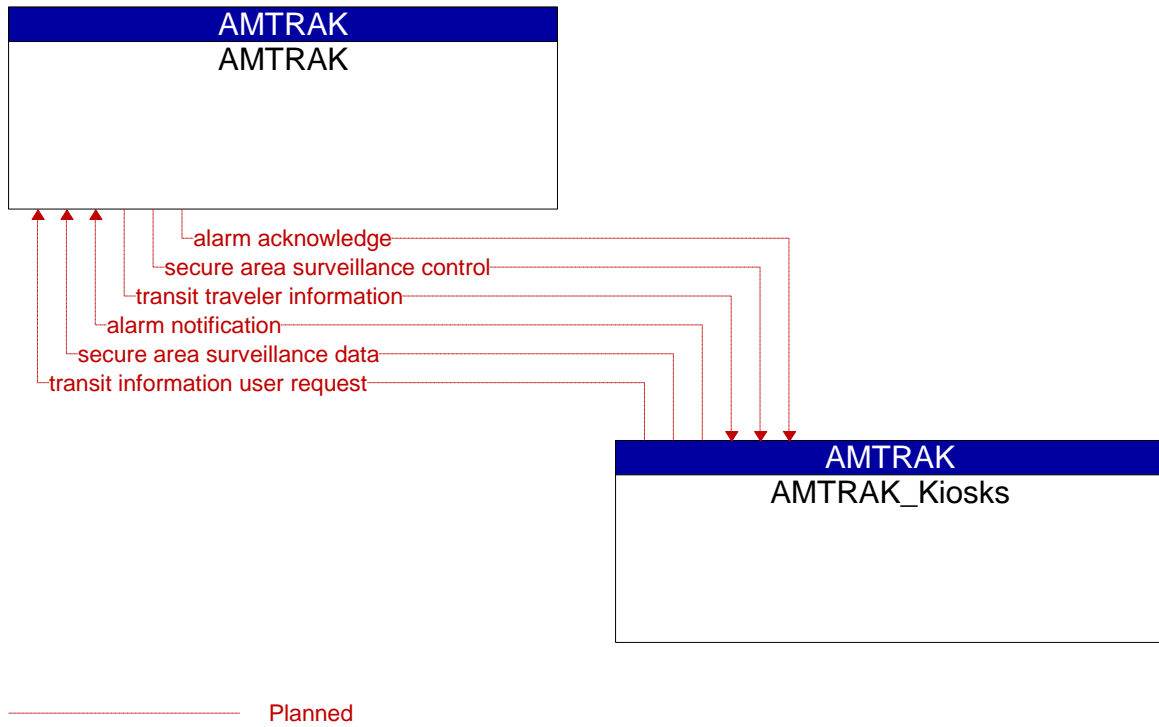


Figure 4: AMTRAK - AMTRAK_Kiosks Interface

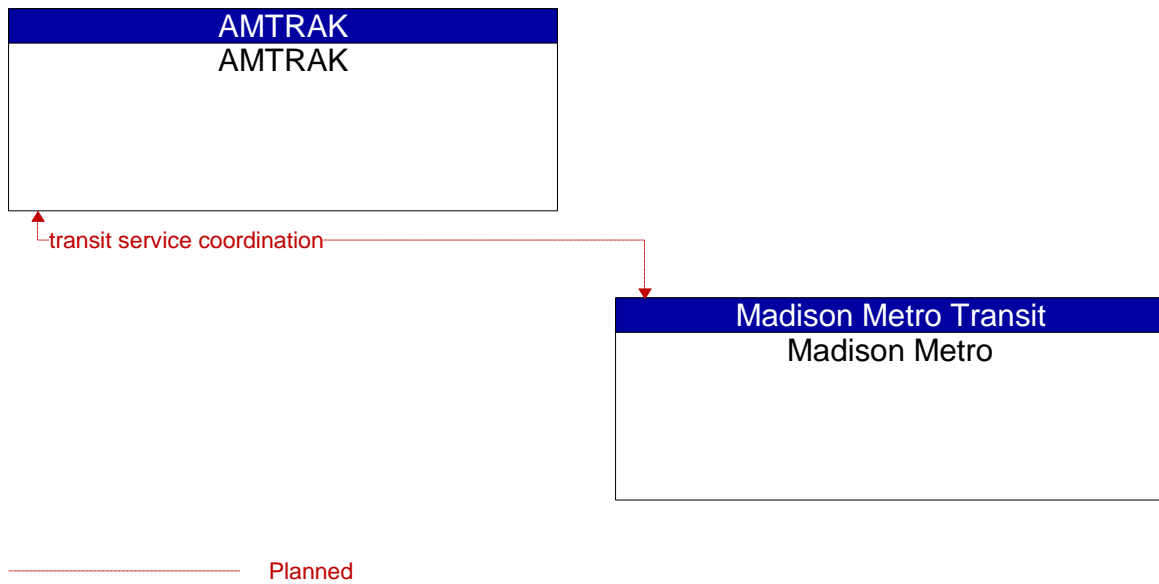


Figure 5: AMTRAK - Madison Metro Interface

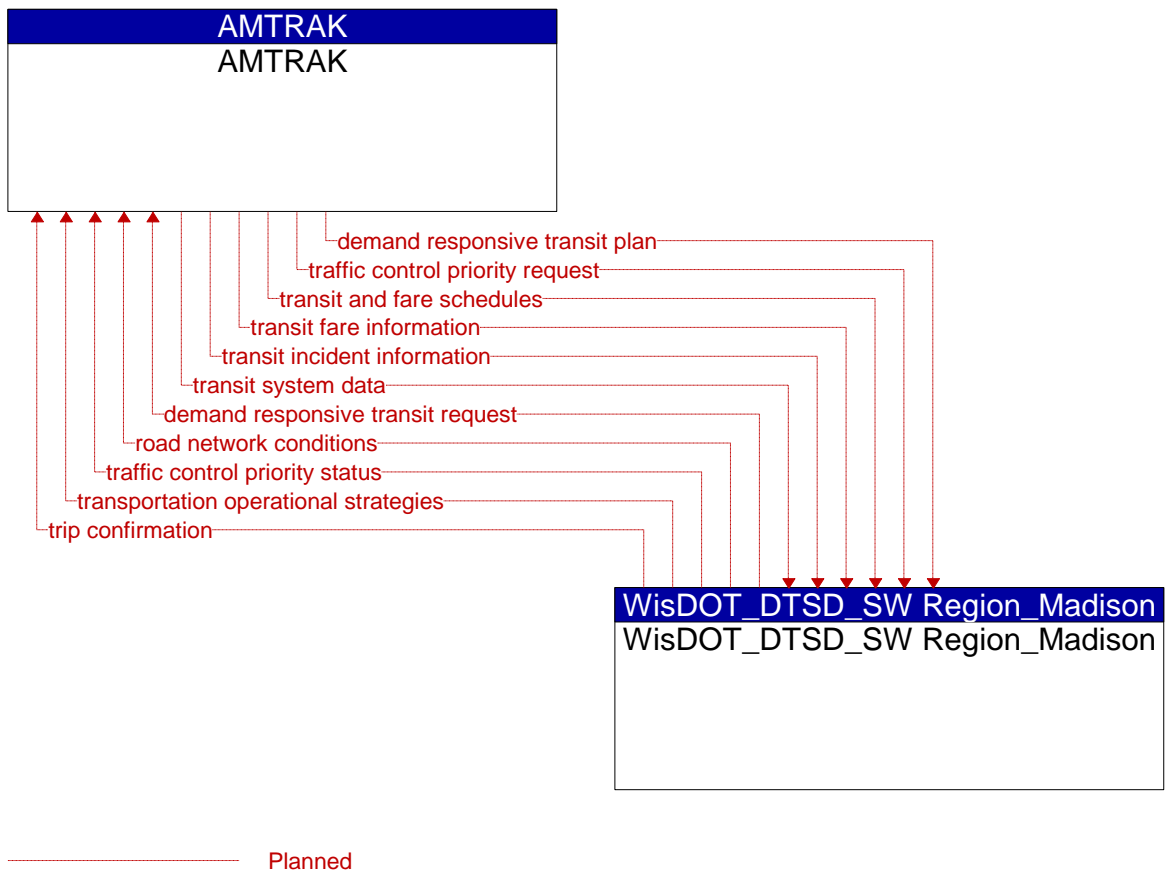


Figure 6: AMTRAK - WisDOT_DTSD_SW Region_Madison Interface

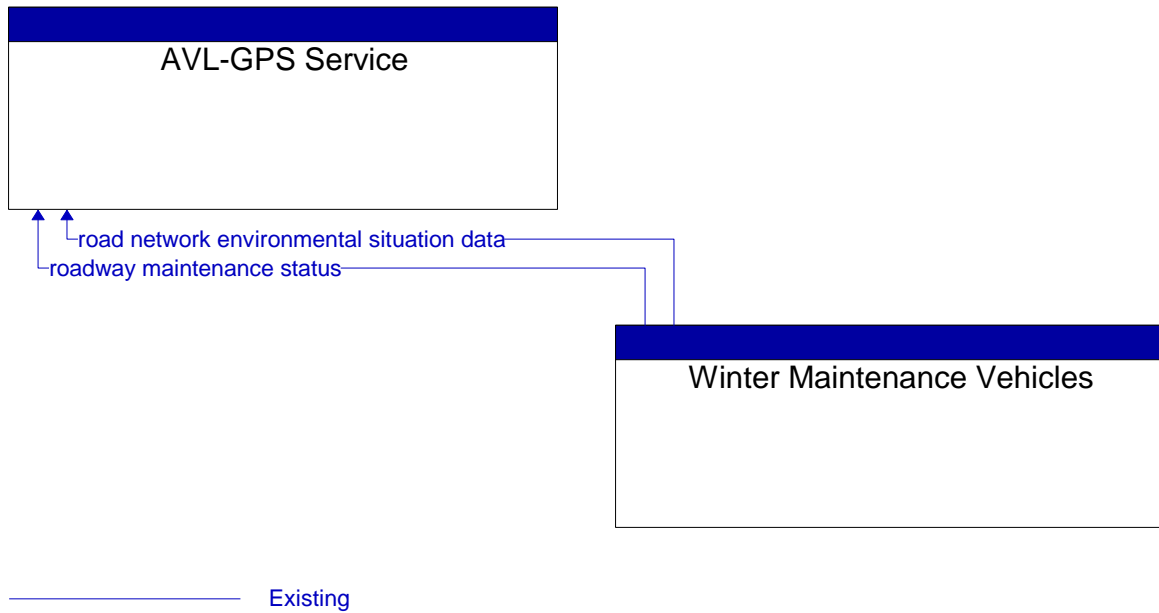


Figure 7: AVL-GPS Service - Winter Maintenance Vehicles Interface

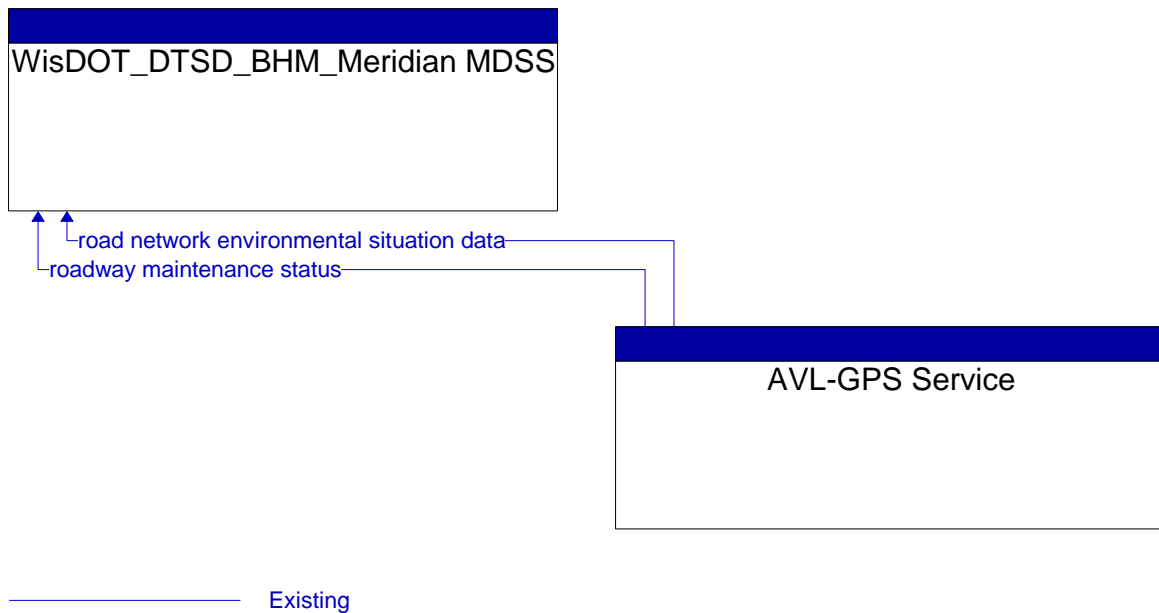


Figure 8: AVL-GPS Service - WisDOT_DTSD_BHM_Meridian MDSS Interface

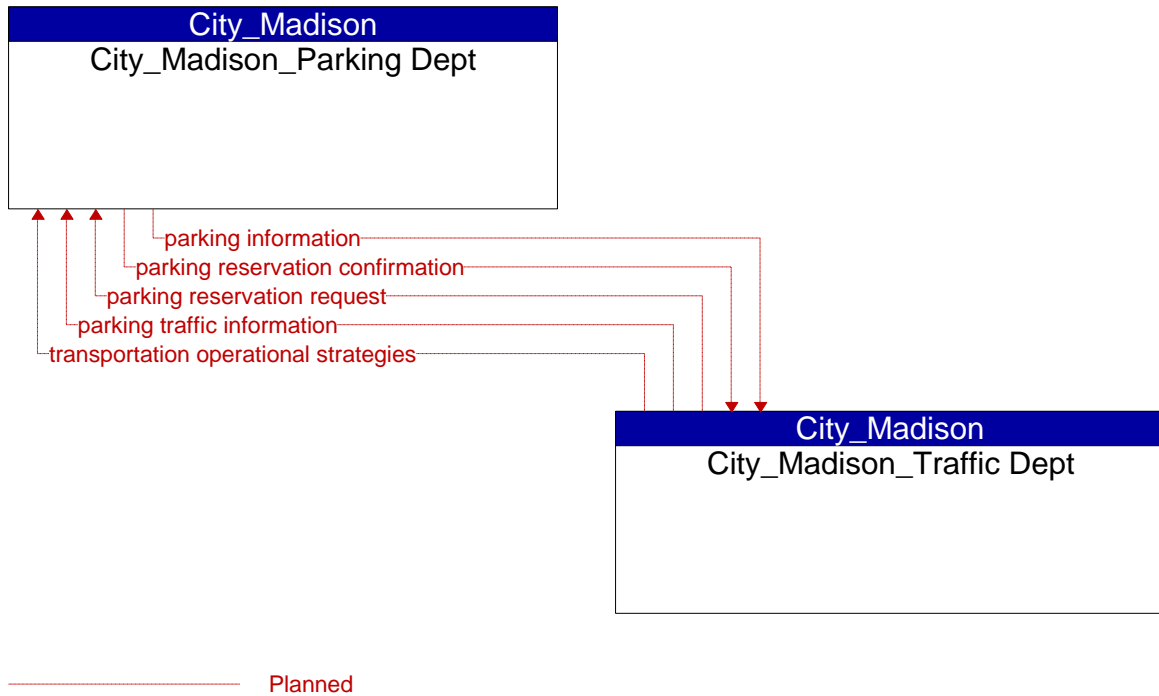


Figure 9: City_Madison_Parking Dept - City_Madison_Traffic Dept Interface

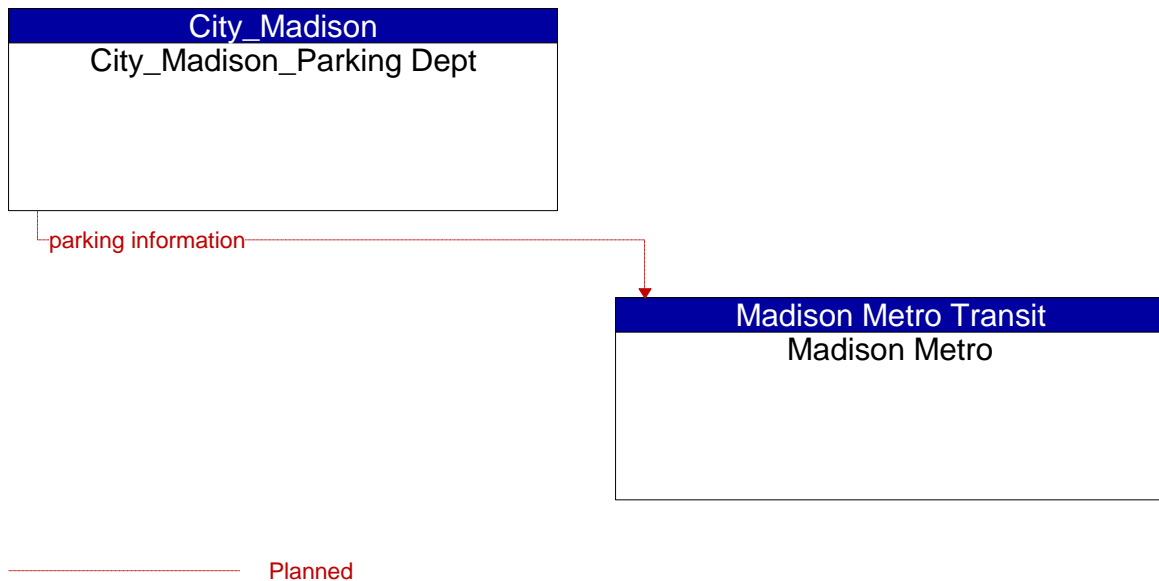


Figure 10: City_Madison_Parking Dept - Madison Metro Interface

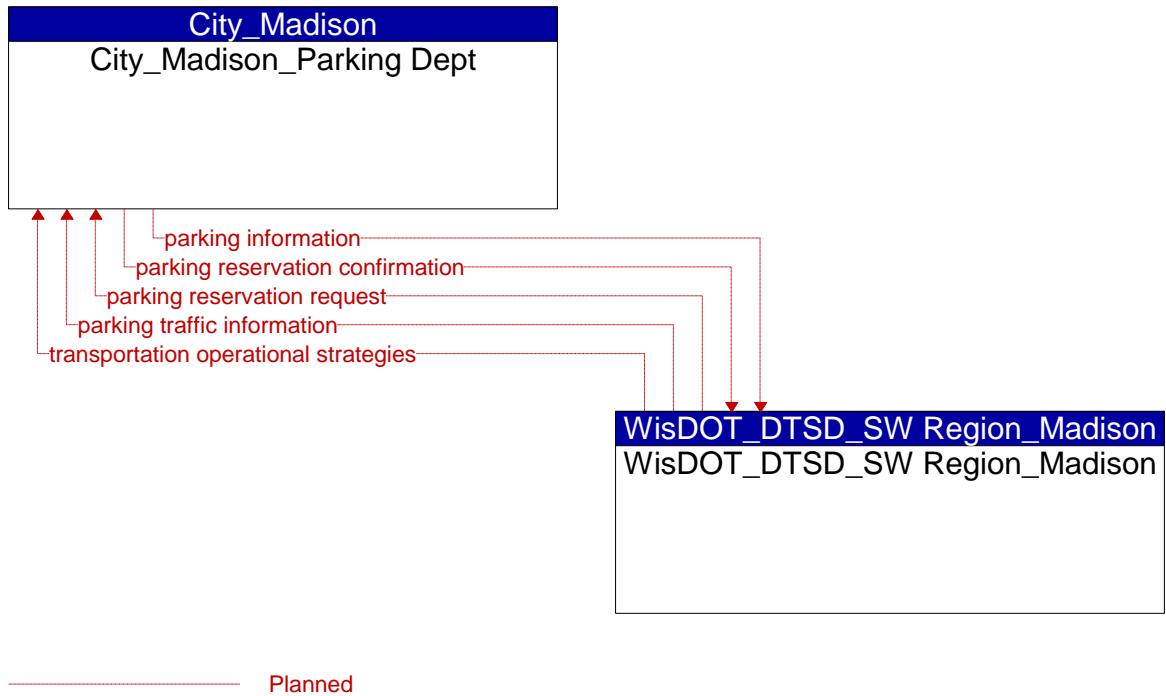


Figure 11: City_Madison_Parking Dept - WisDOT_DTSD_SW Region_Madison Interface

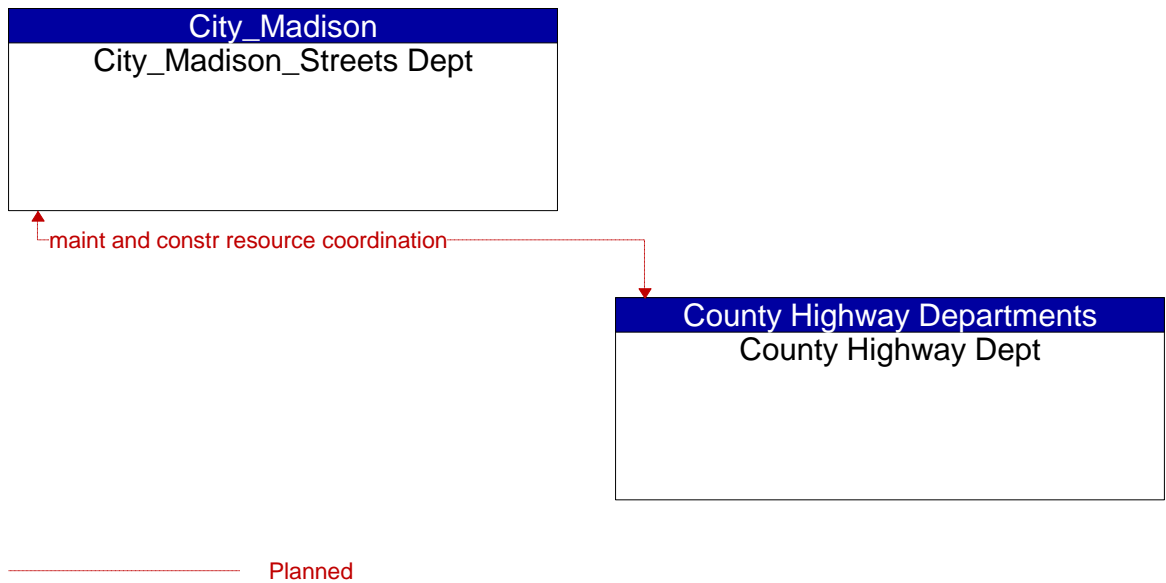


Figure 12: City_Madison_Streets Dept - County Highway Dept Interface

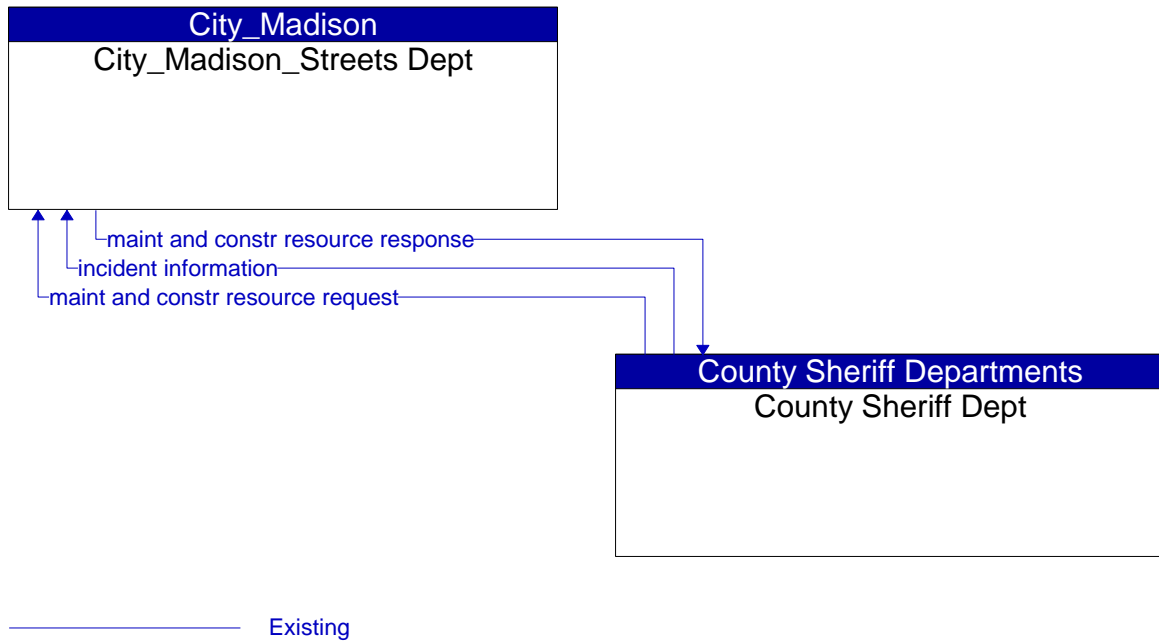


Figure 13: City_Madison_Streets Dept - County Sheriff Dept Interface

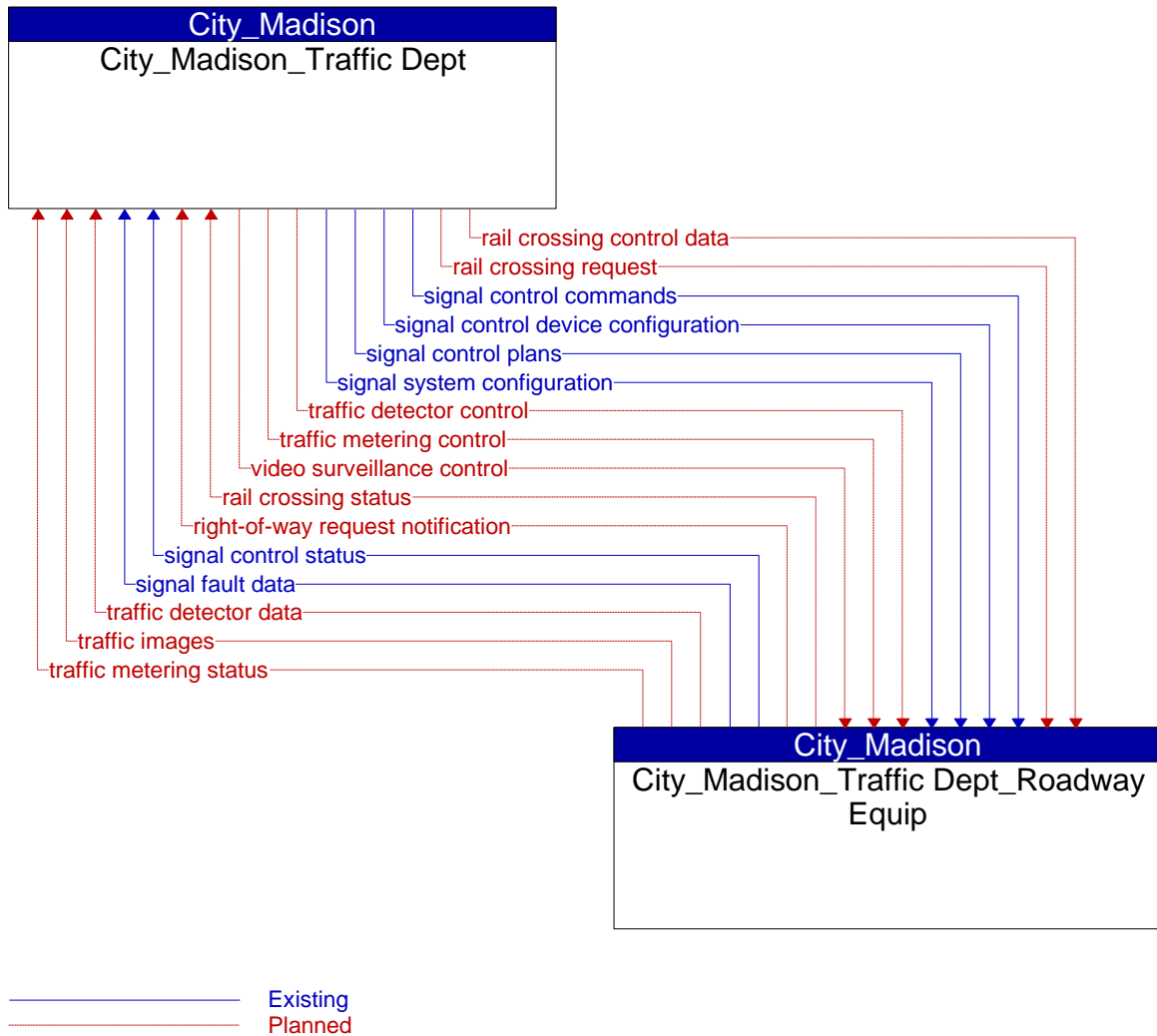


Figure 14: City_Madison_Traffic Dept - City_Madison_Traffic Dept_Roadway Equip Interface

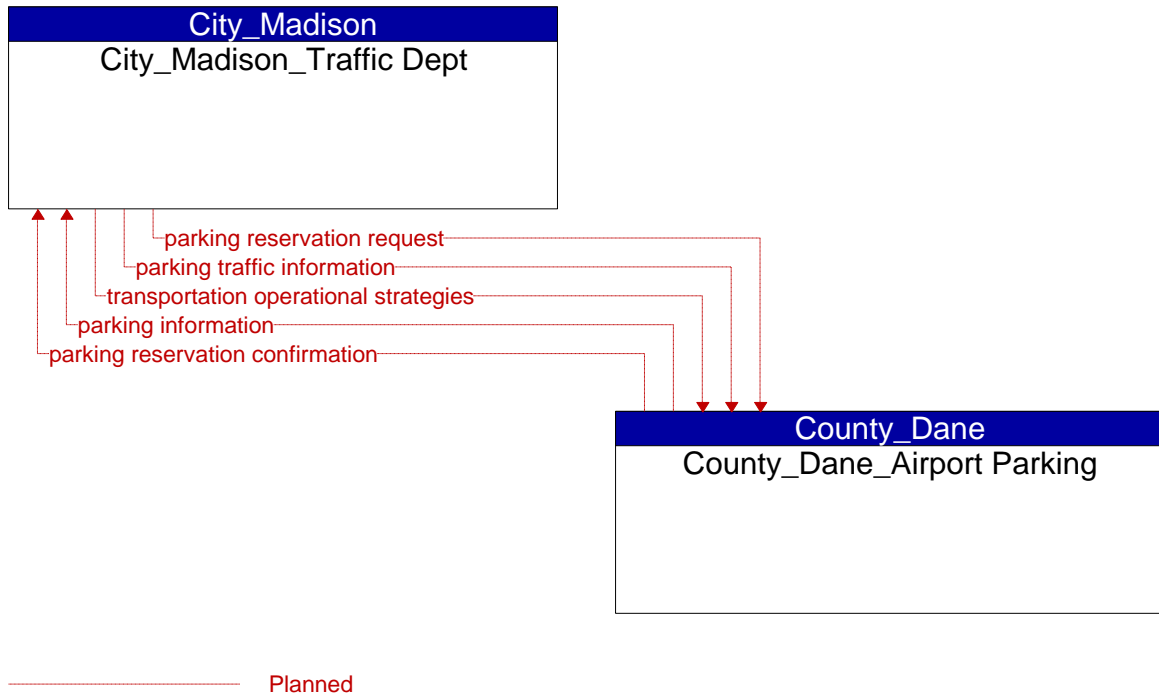


Figure 15: City_Madison_Traffic Dept - County_Dane_Airport Parking Interface

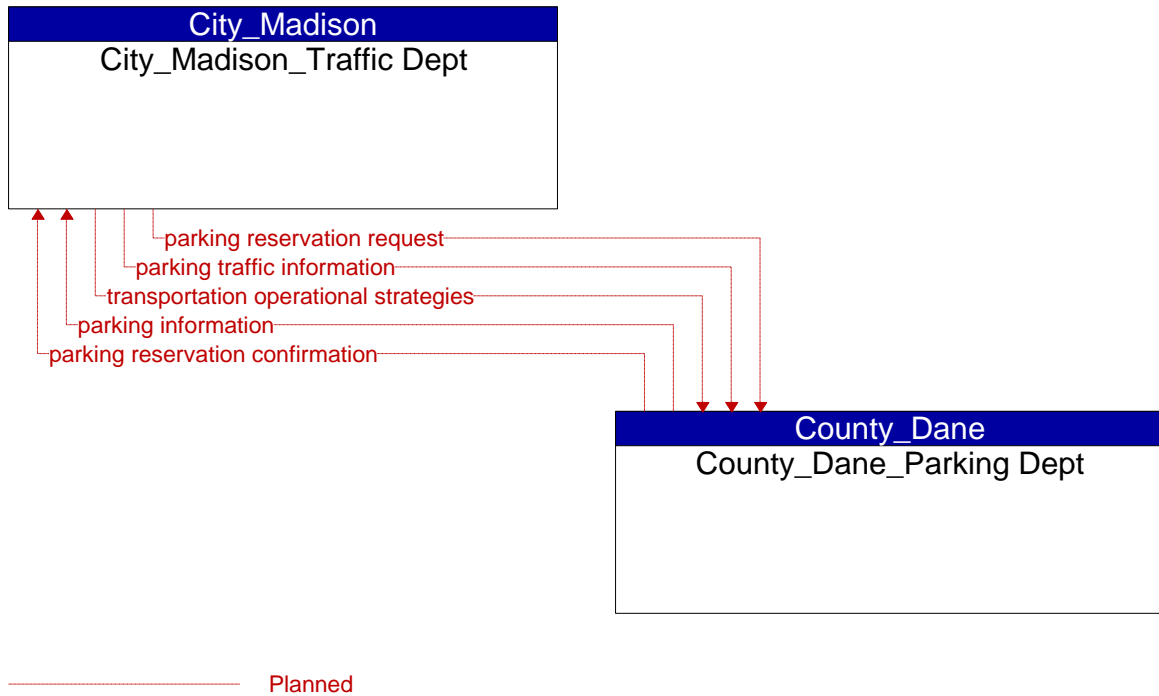


Figure 16: City_Madison_Traffic Dept - County_Dane_Parking Dept Interface

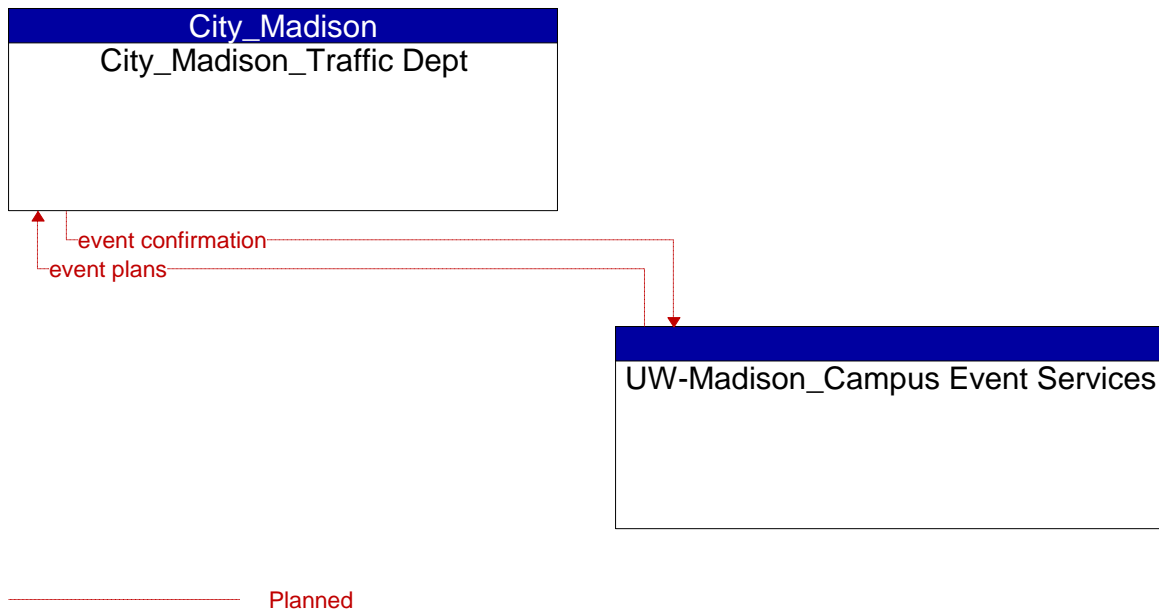


Figure 17: City_Madison_Traffic Dept - UW-Madison_Campus Event Services Interface

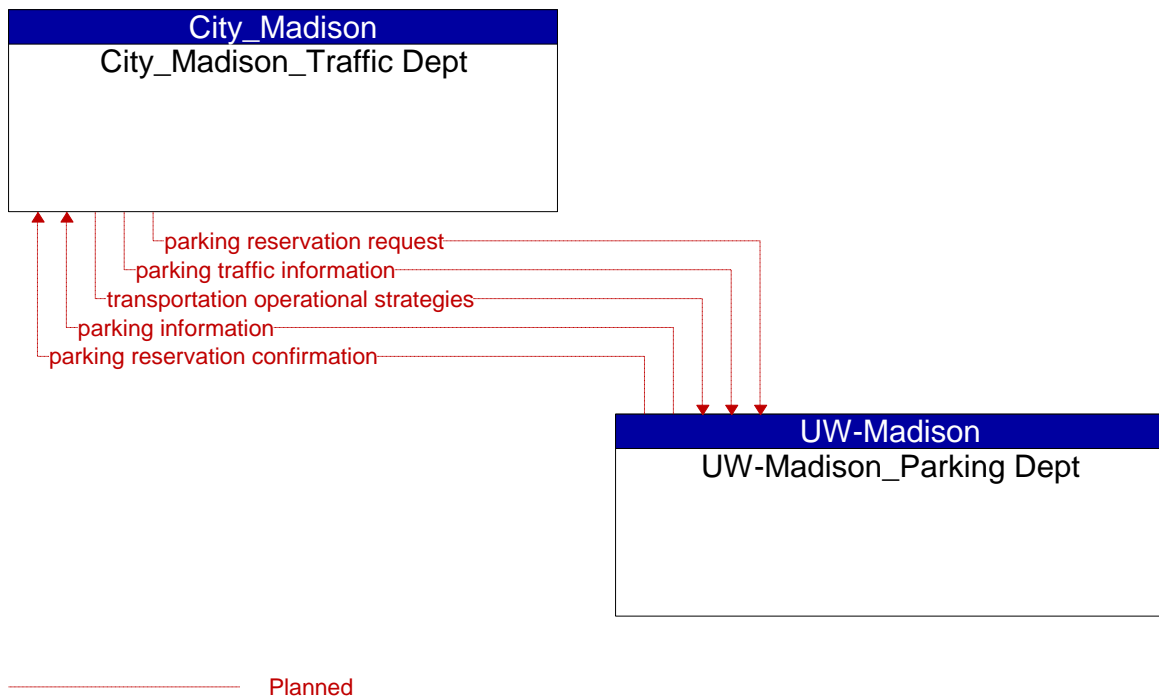


Figure 18: City_Madison_Traffic Dept - UW-Madison_Parking Dept Interface

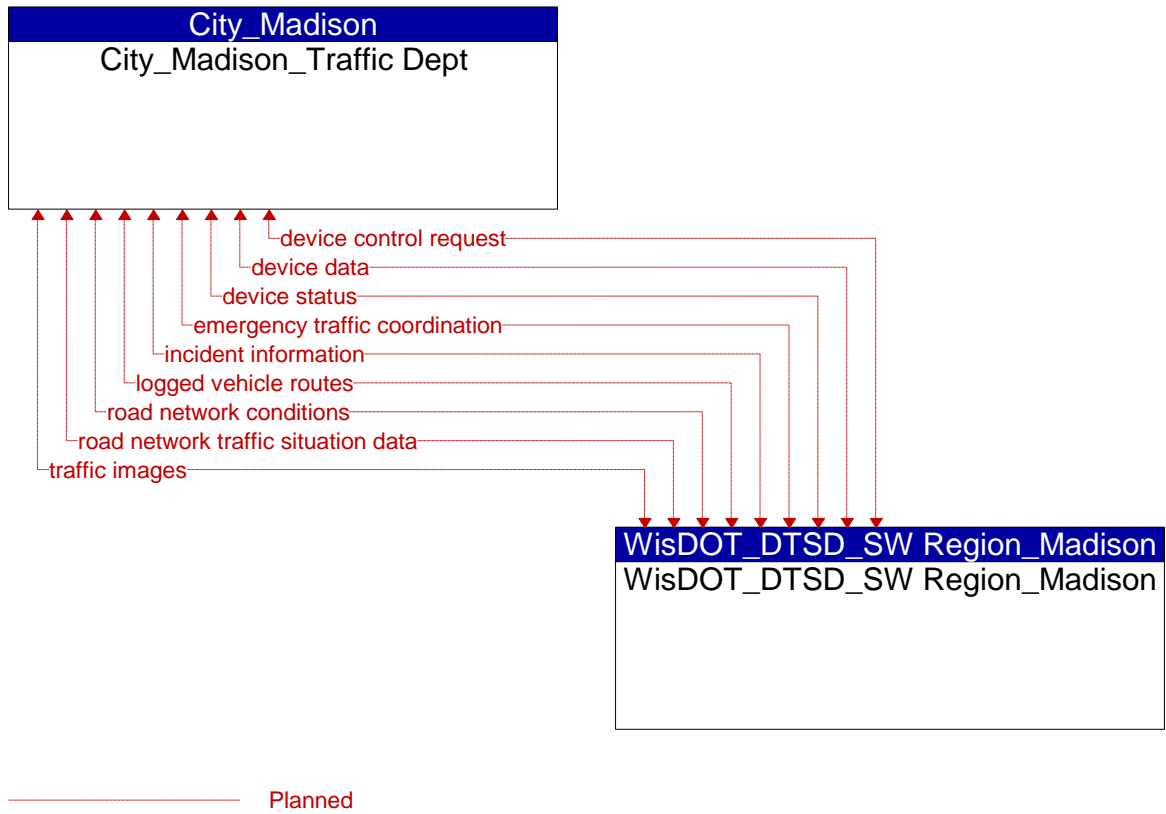


Figure 19: City_Madison_Traffic Dept - WisDOT_DTSD_SW Region_Madison Interface

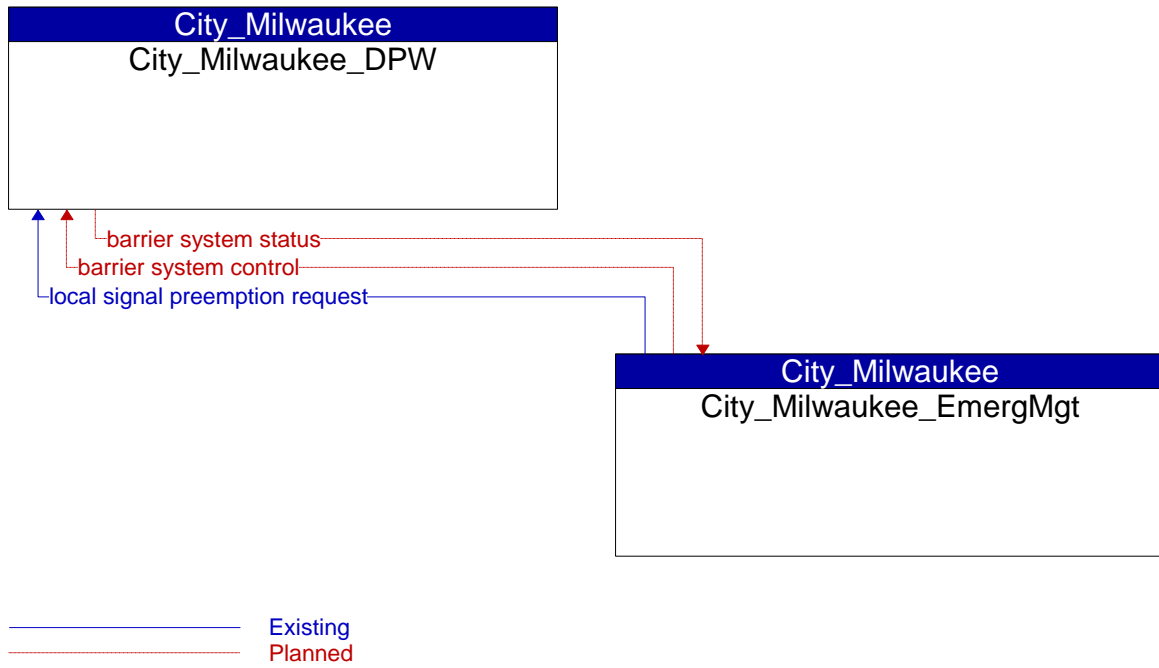


Figure 20: City_Milwaukee_DPW - City_Milwaukee_EmergMgt Interface

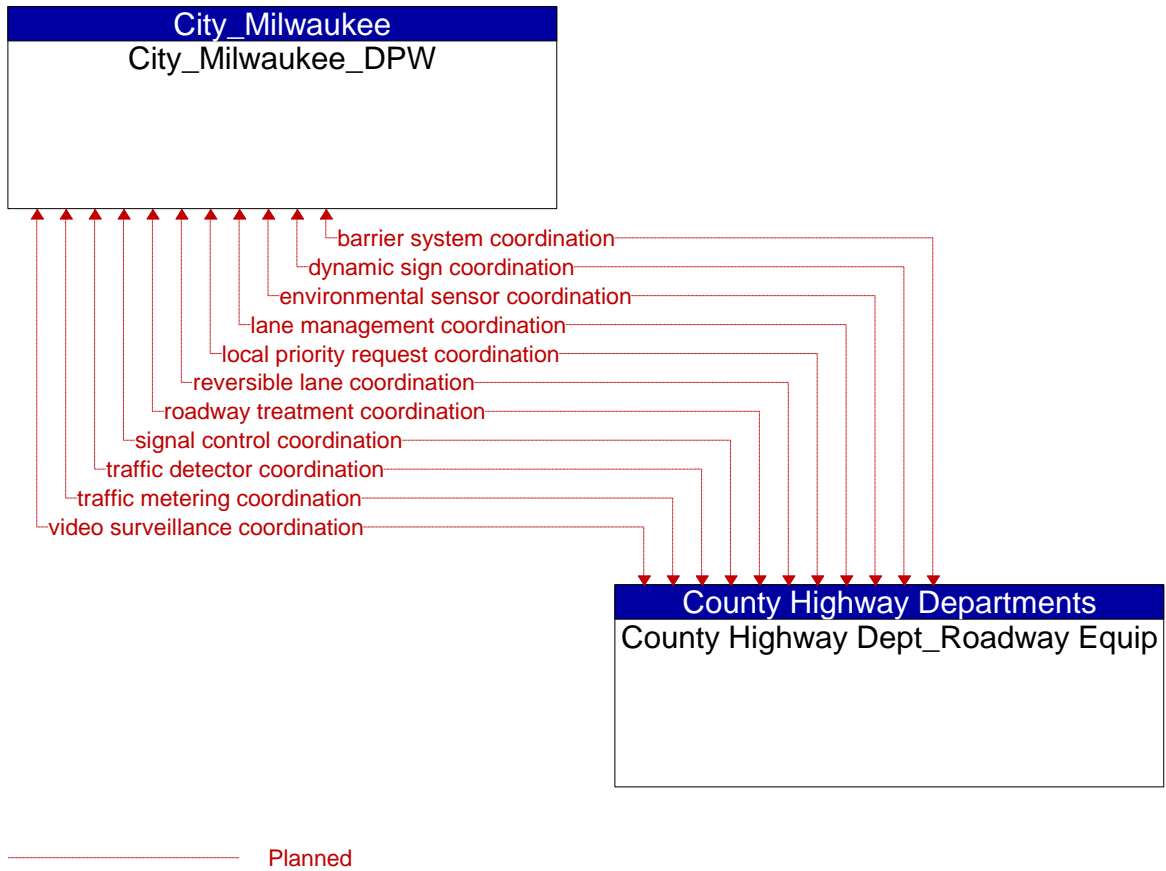


Figure 21: City_Milwaukee_DPW - County Highway Dept_Roadway Equip Interface

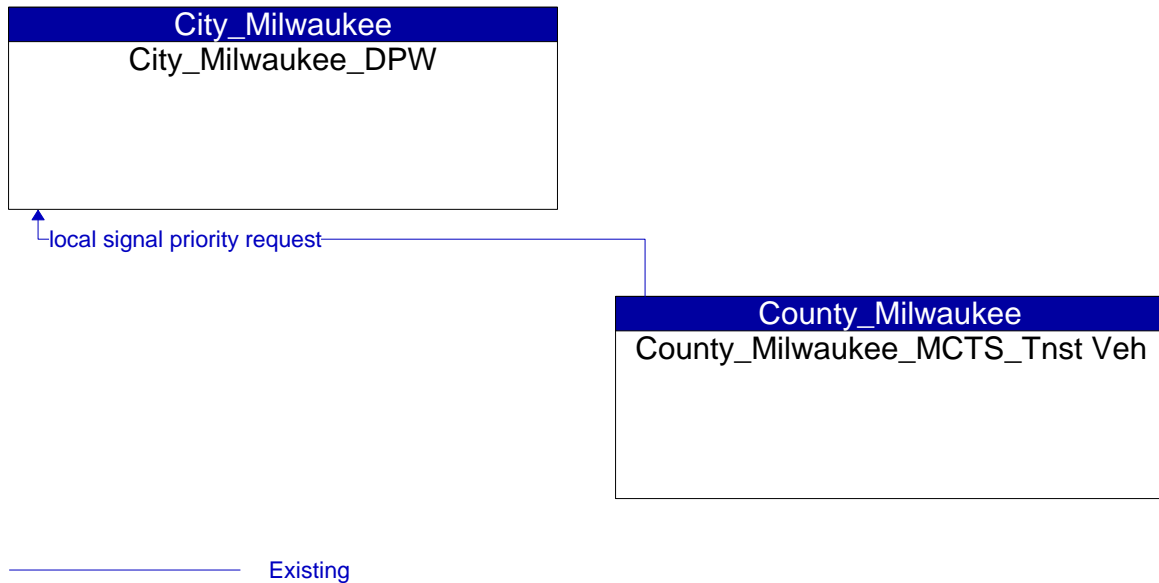


Figure 22: City_Milwaukee_DPW - County_Milwaukee_MCTS_Tnst Veh Interface

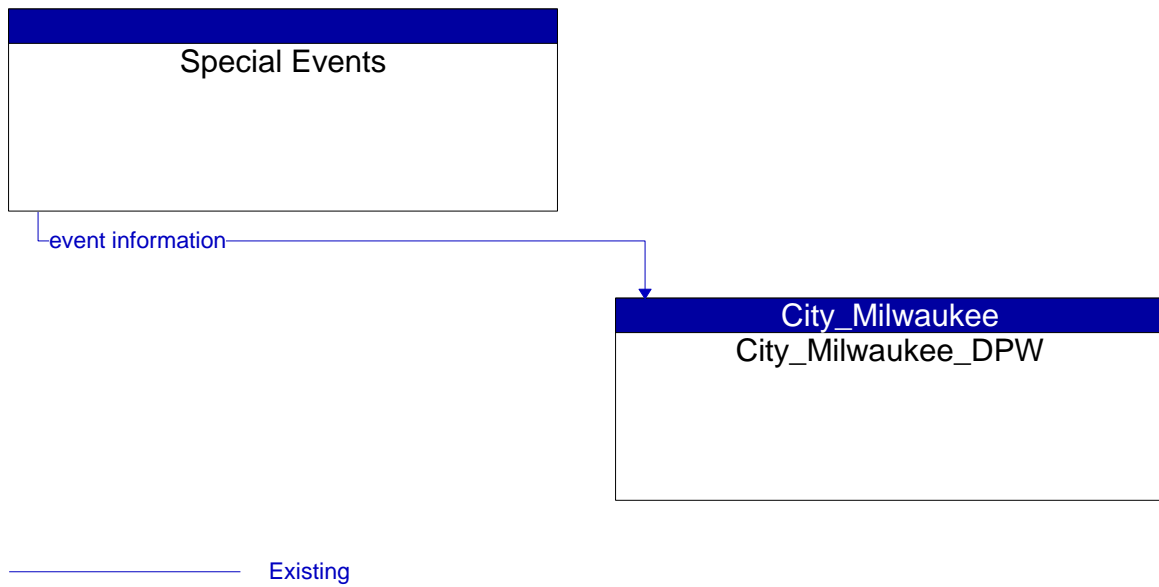
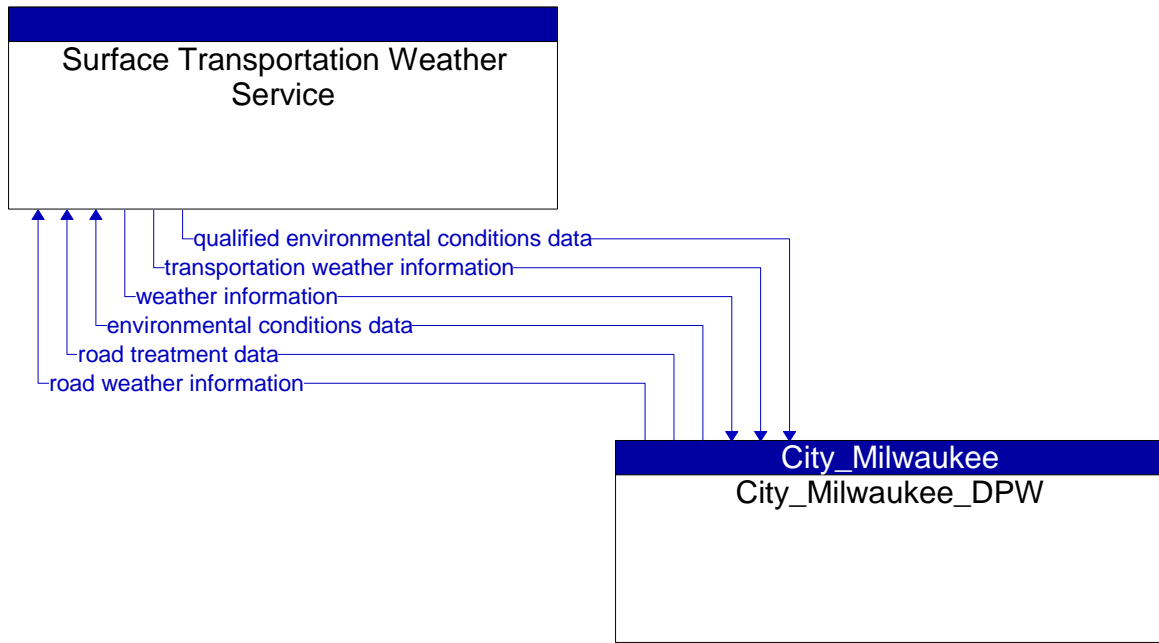


Figure 23: City_Milwaukee_DPW - Special Events Interface



Existing

Figure 24: City_Milwaukee_DPW - Surface Transportation Weather Service Interface

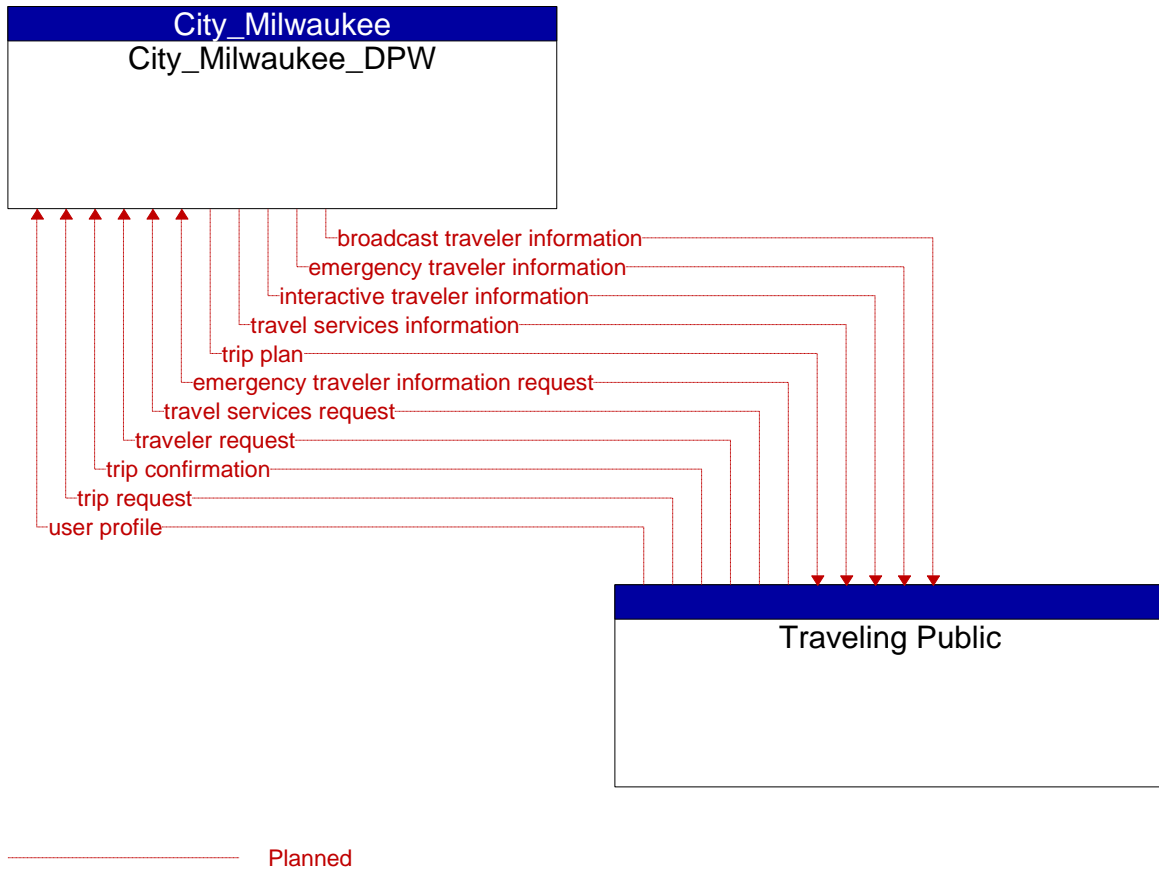


Figure 25: City_Milwaukee_DPW - Traveling Public Interface

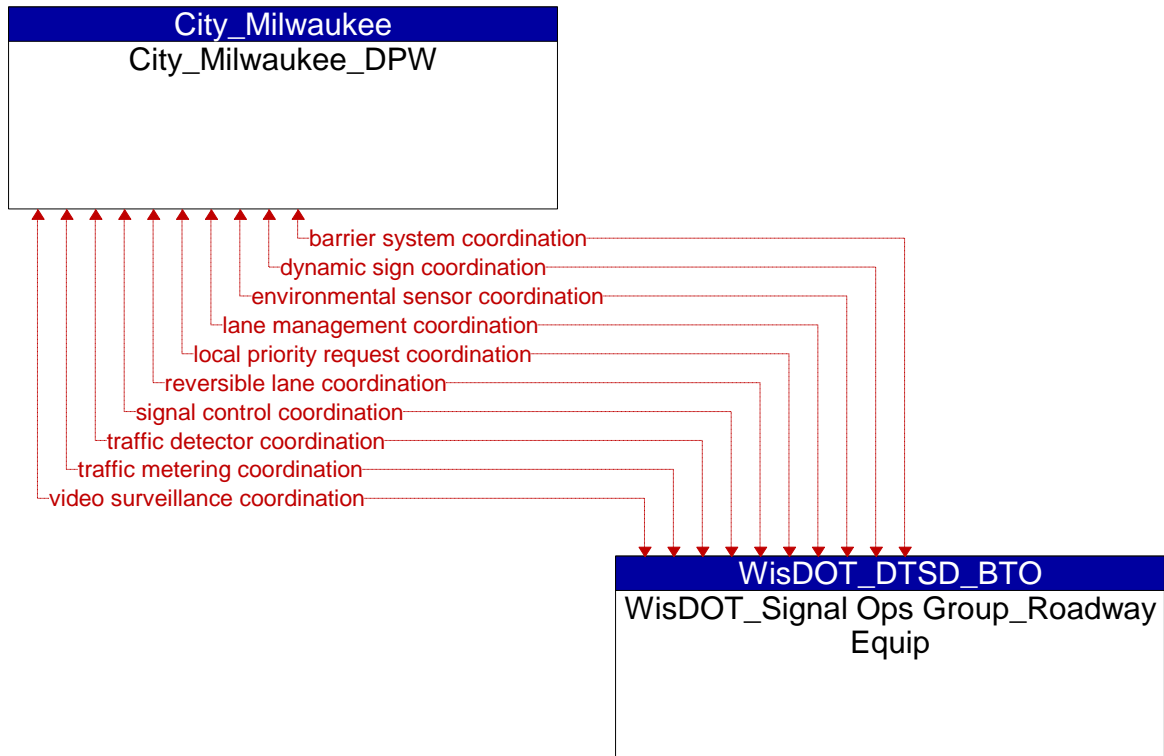


Figure 26: City_Milwaukee_DPW - WisDOT_Signal Ops Group_Roadway Equip Interface

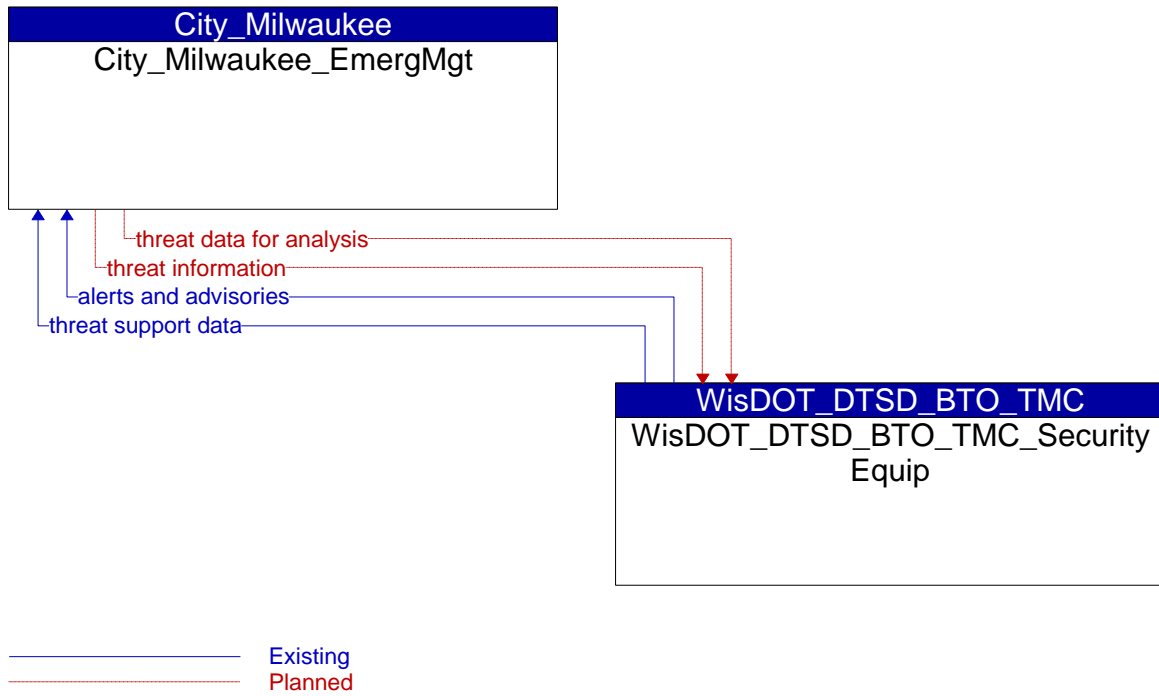


Figure 27: City_Milwaukee_EmergMgt - WisDOT_DTSD_BTO_TMC_Security Equip Interface

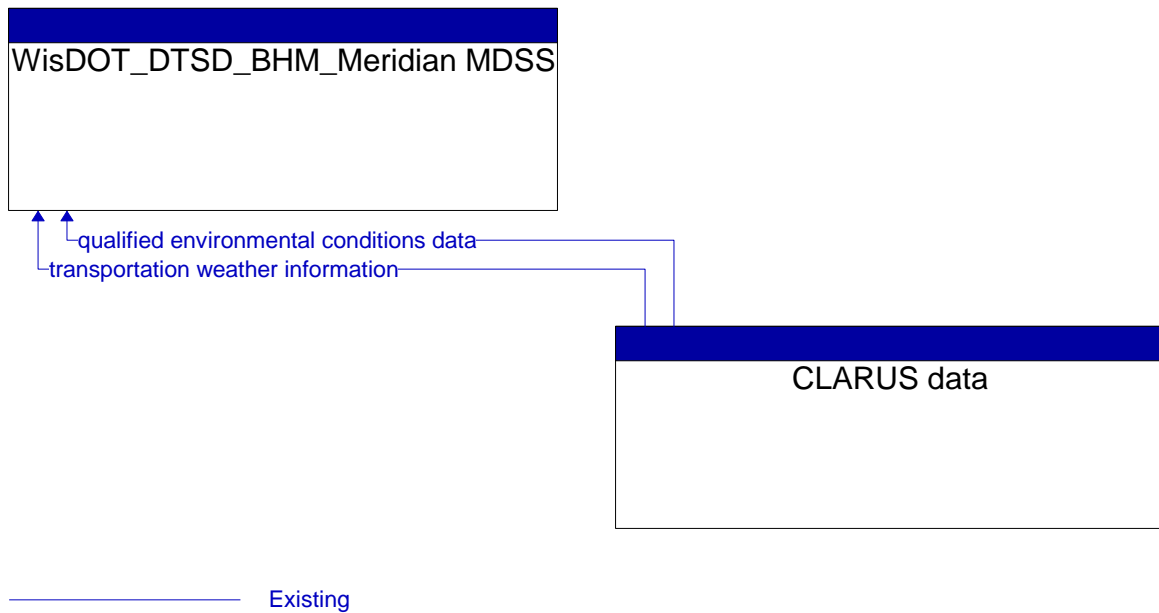


Figure 28: CLARUS data - WisDOT_DTSD_BHM_Meridian MDSS Interface

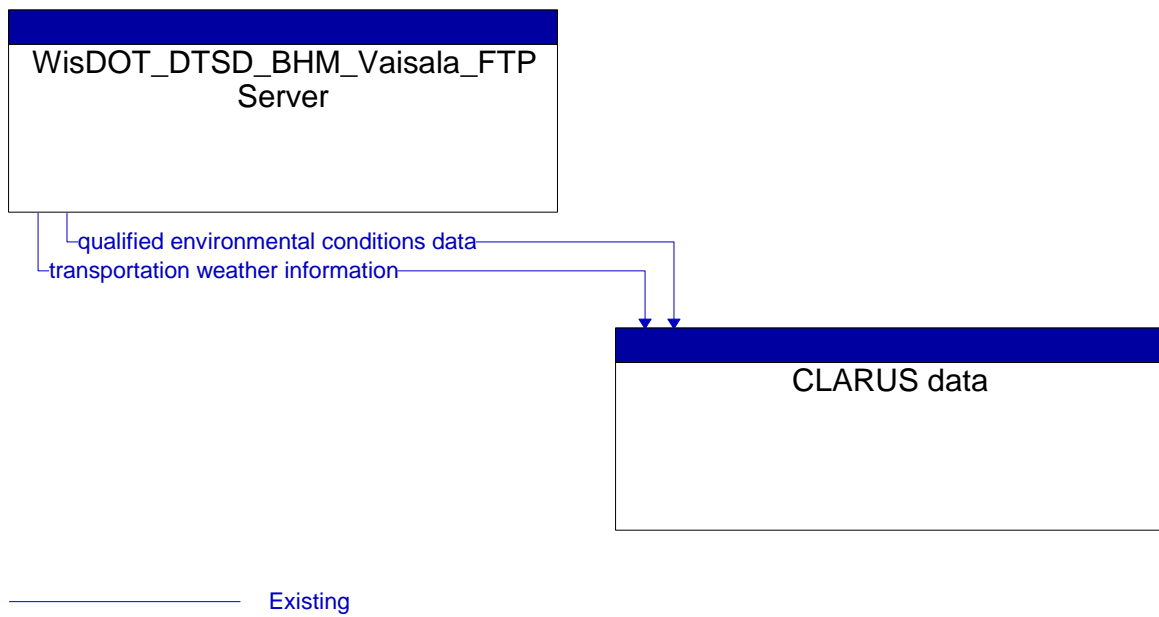


Figure 29: CLARUS data - WisDOT_DTSD_BHM_Vaisala_FTP Server Interface

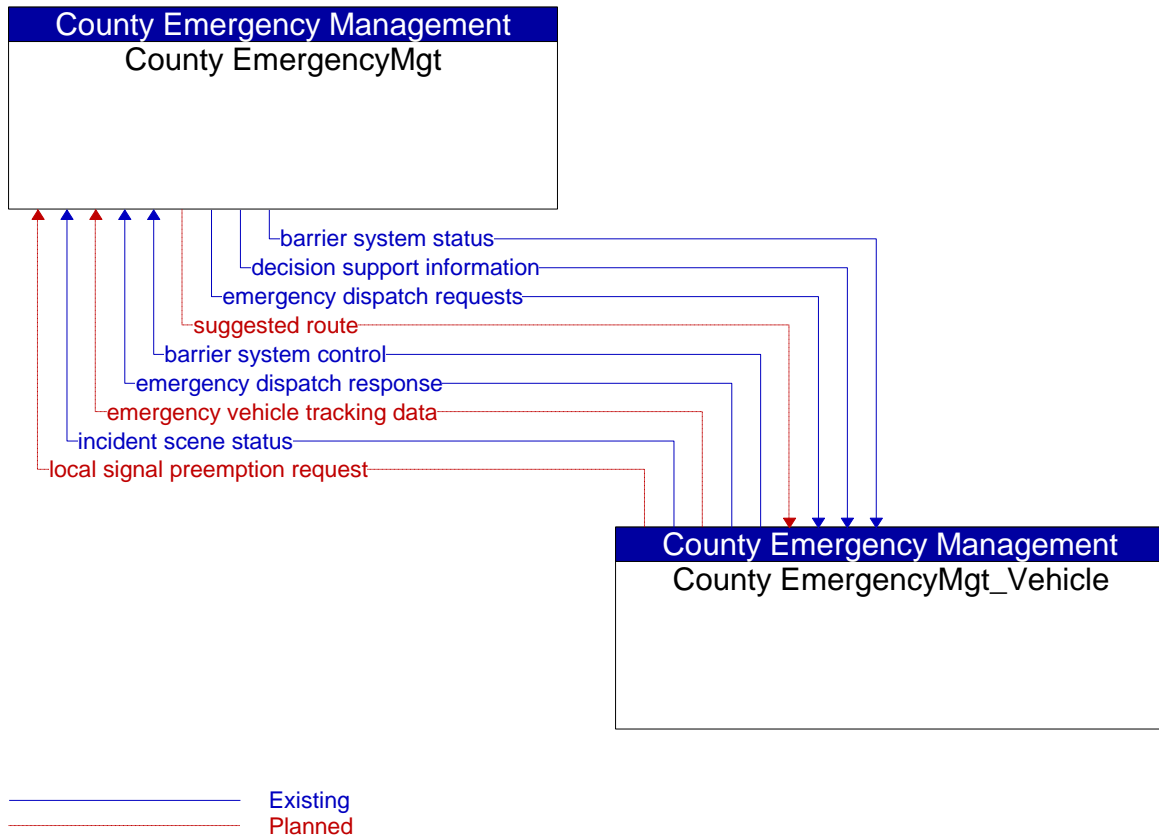


Figure 30: County EmergencyMgt - County EmergencyMgt_Vehicle Interface

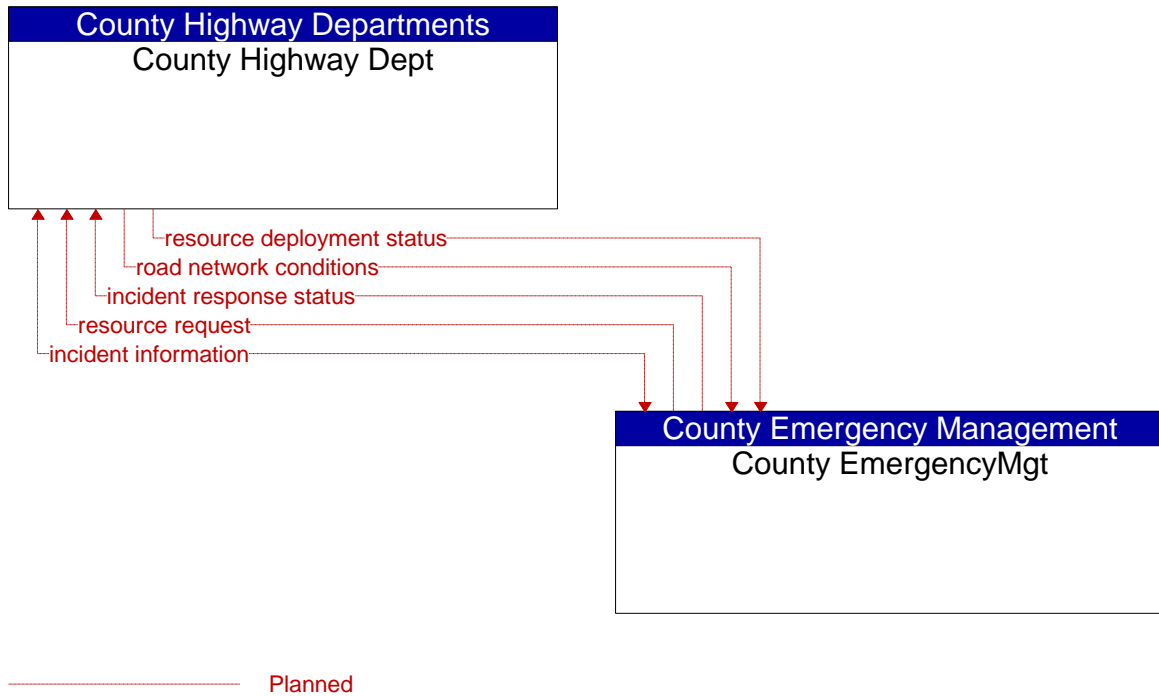


Figure 31: County EmergencyMgt - County Highway Dept Interface

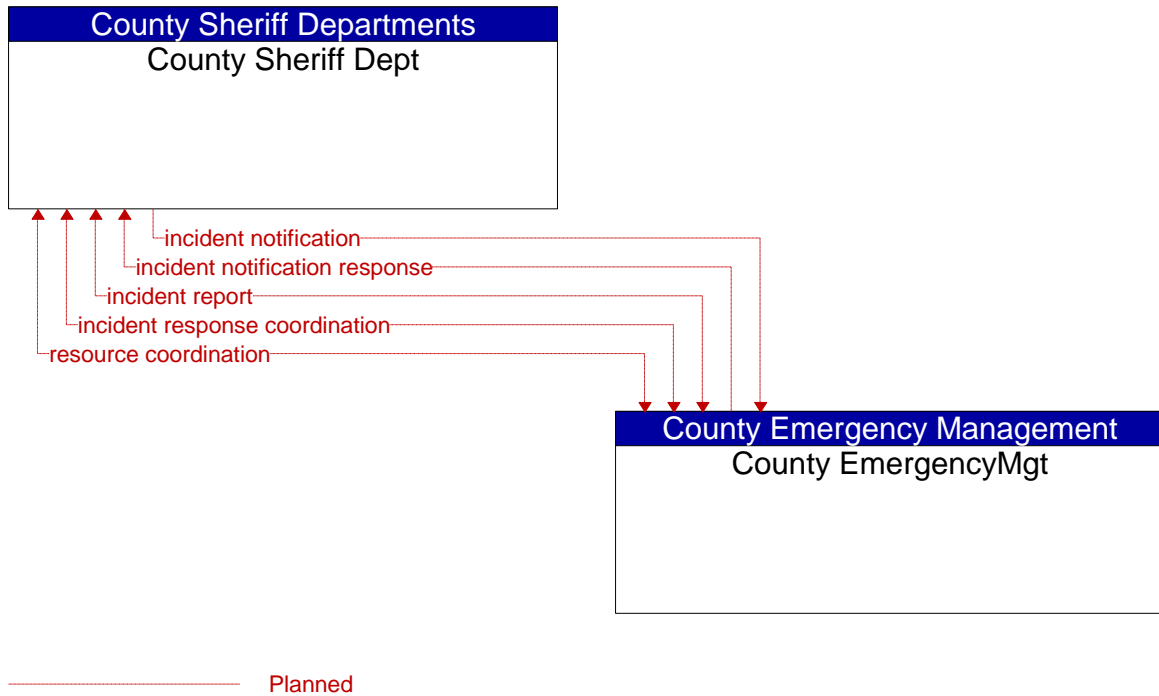


Figure 32: County EmergencyMgt - County Sheriff Dept Interface

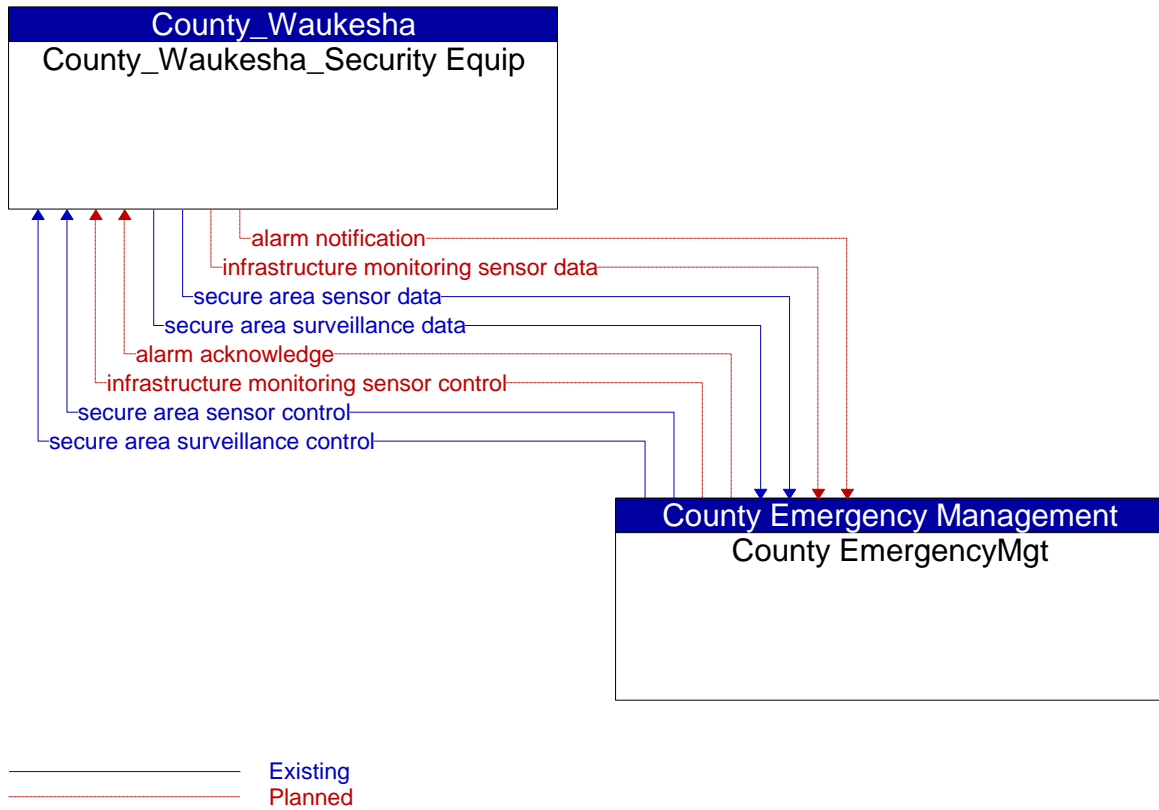


Figure 33: County EmergencyMgt - County_Waukesha_Security Equip Interface

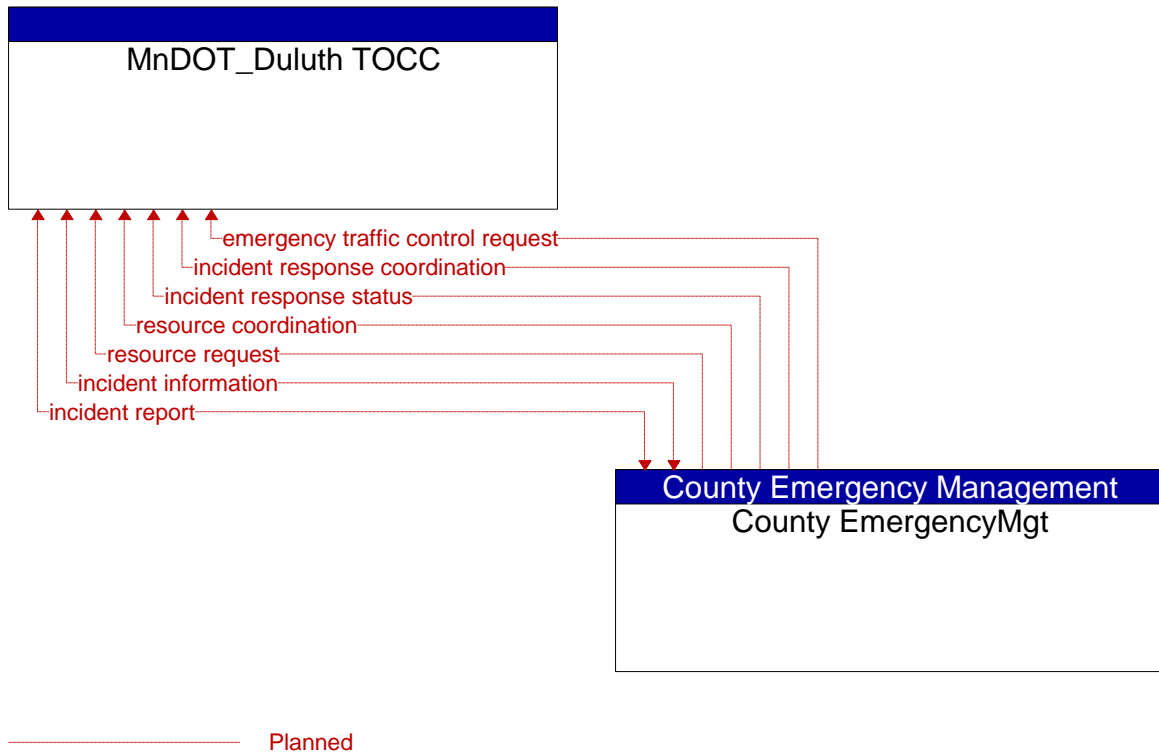


Figure 34: County EmergencyMgt - MnDOT_Duluth TOCC Interface

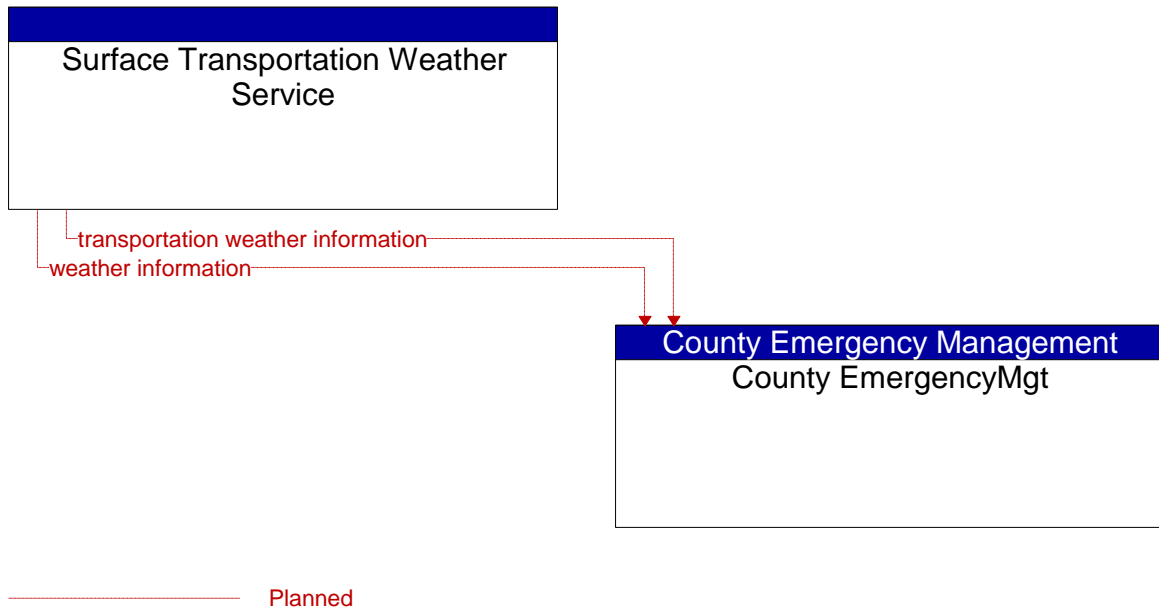


Figure 35: County EmergencyMgt - Surface Transportation Weather Service Interface

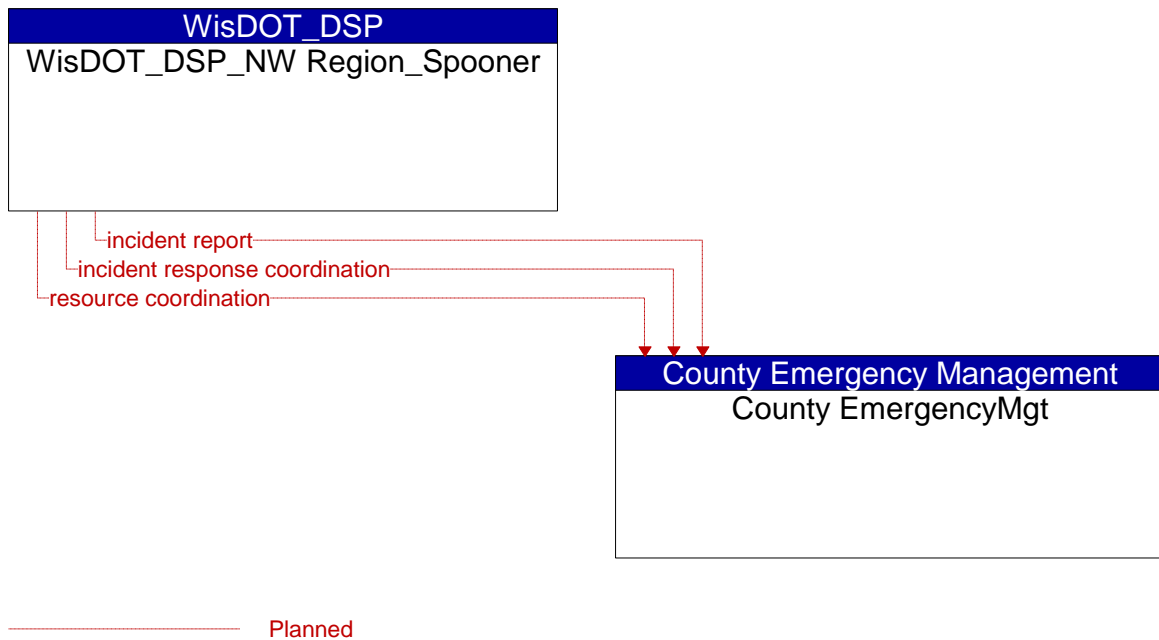
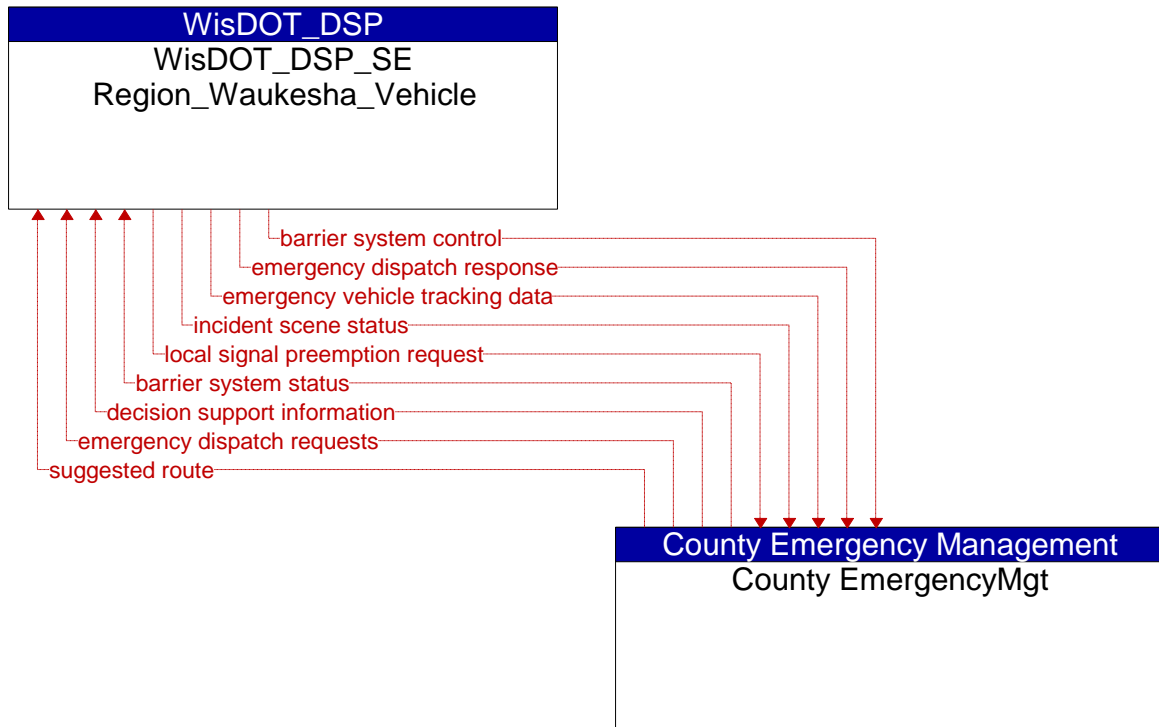
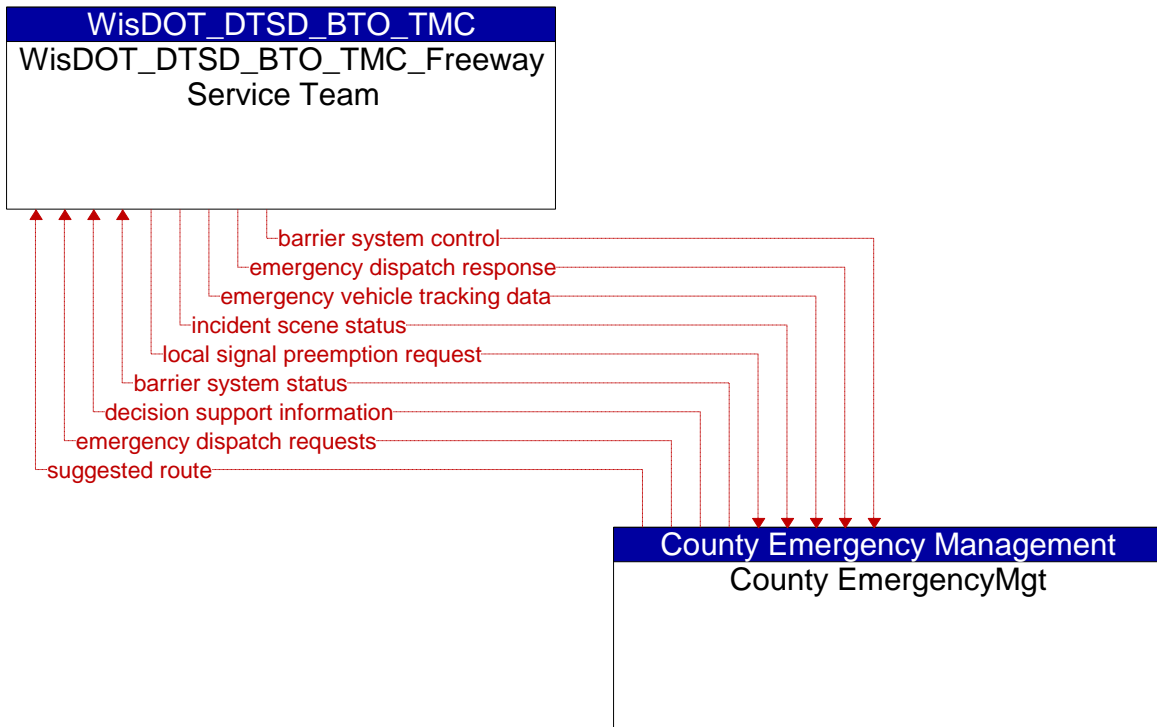


Figure 36: County EmergencyMgt - WisDOT_DSP_NW Region_Spooner Interface



————— Planned

Figure 37: County EmergencyMgt - WisDOT_DSP_SE Region_Waukesha_Vehicle Interface



Planned

Figure 38: County EmergencyMgt - WisDOT_DTSD_BTO_TMC_Freeway Service Team Interface

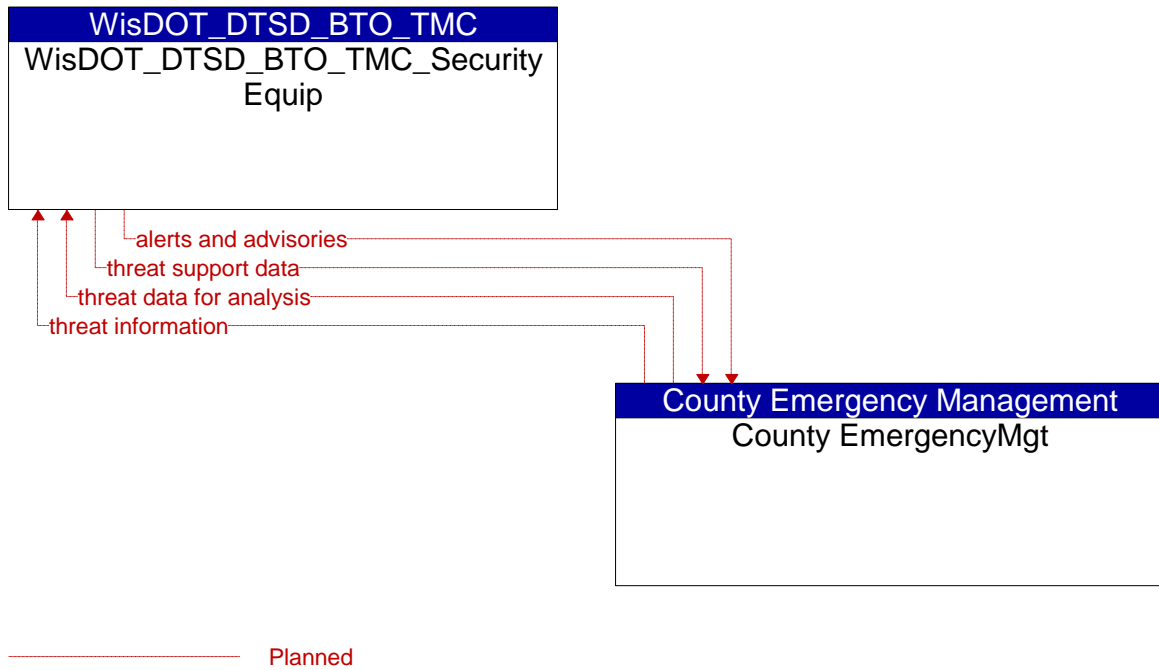


Figure 39: County EmergencyMgt - WisDOT_DTSD_BTO_TMC_Security Equip Interface

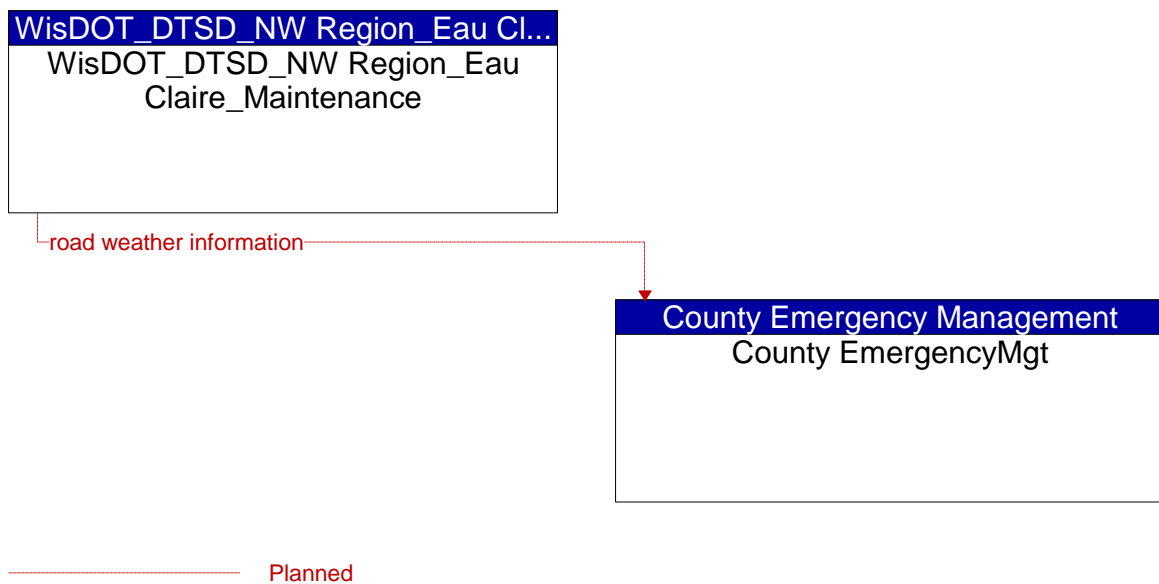


Figure 40: County EmergencyMgt - WisDOT_DTSD_NW Region_Eau Claire_Maintenance Interface

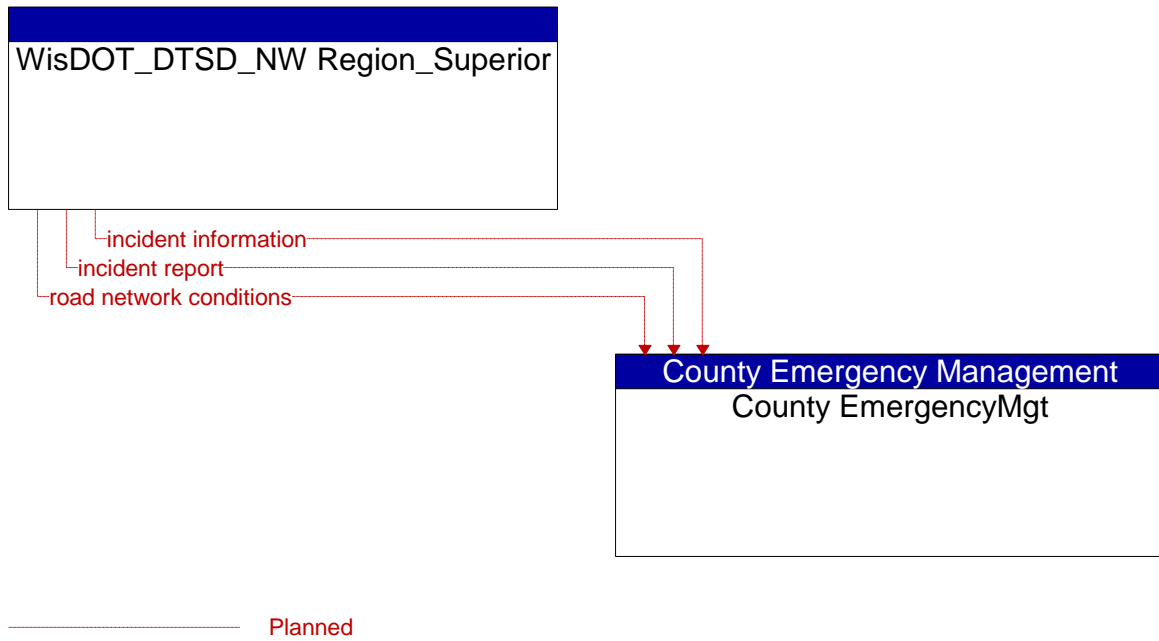


Figure 41: County EmergencyMgt - WisDOT_DTSD_NW Region_Superior Interface

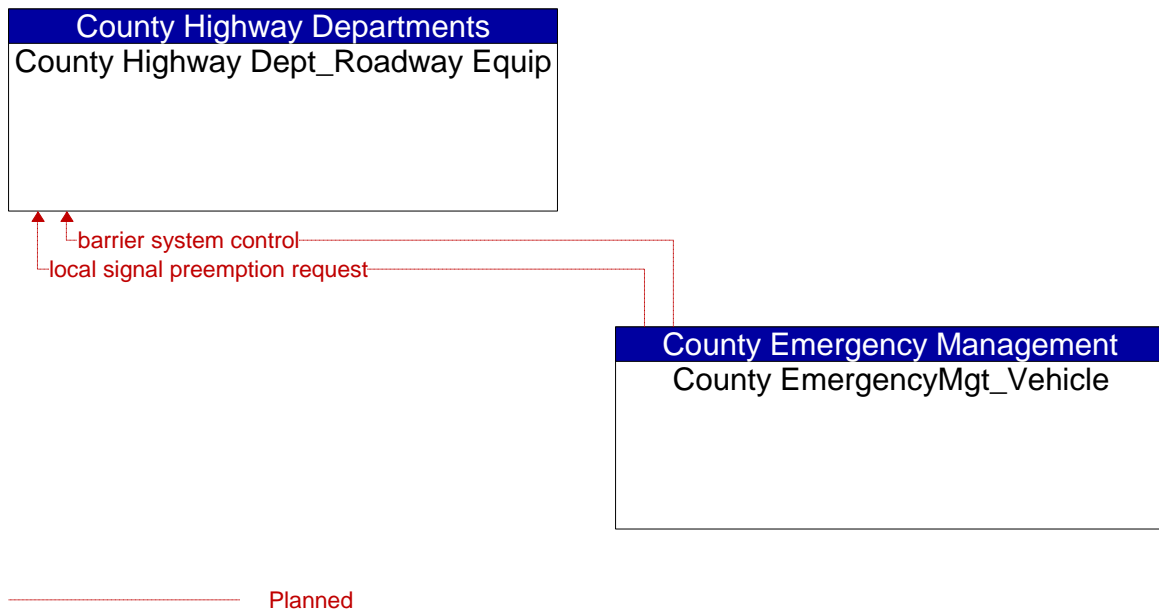


Figure 42: County EmergencyMgt_Vehicle - County Highway Dept_Roadway Equip Interface

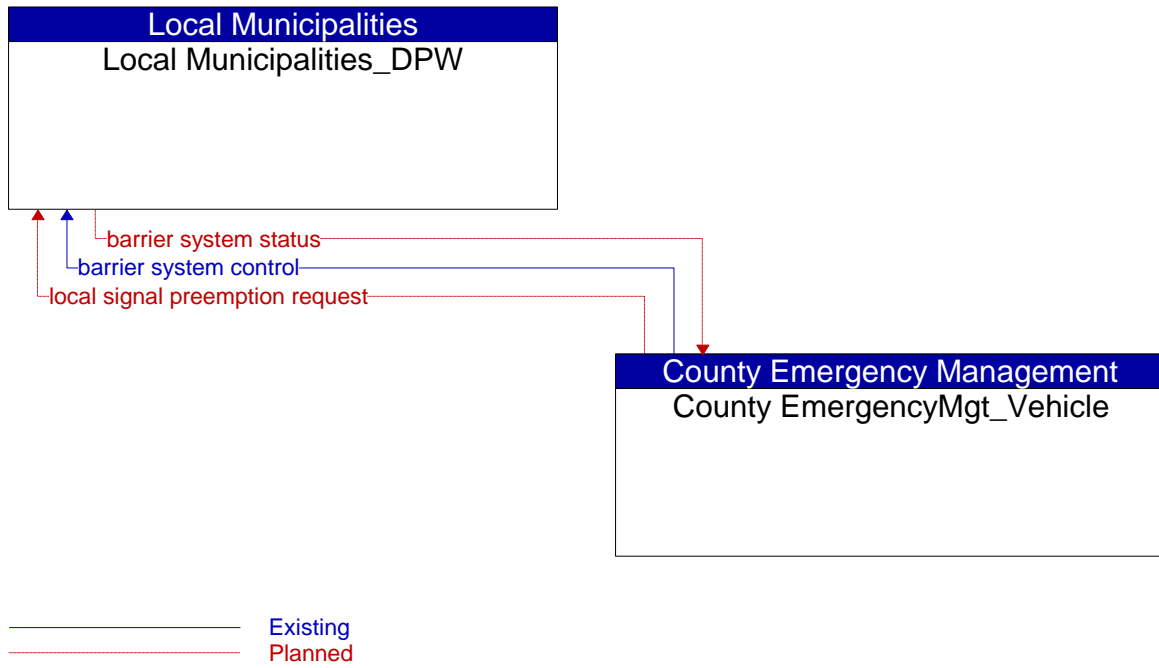


Figure 43: County EmergencyMgt_Vehicle - Local Municipalities_DPW Interface

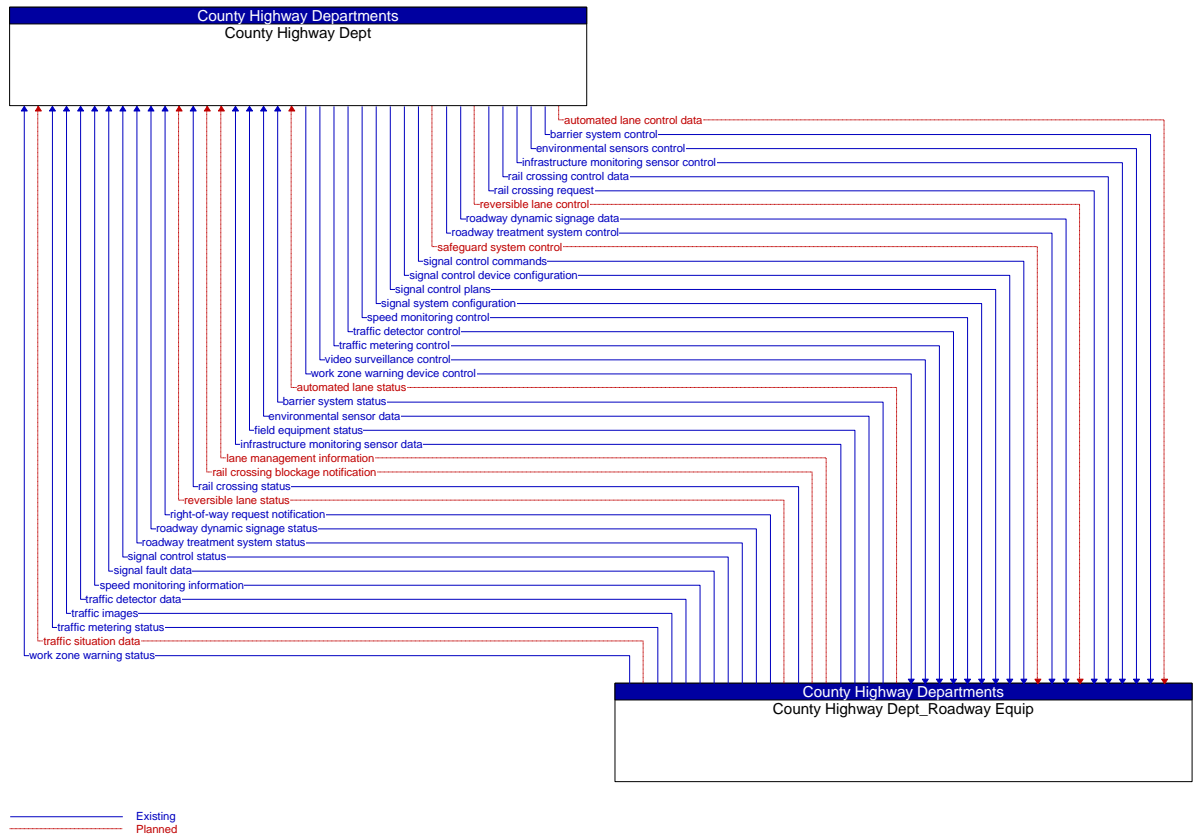


Figure 44: County Highway Dept - County Highway Dept_Roadway Equip Interface

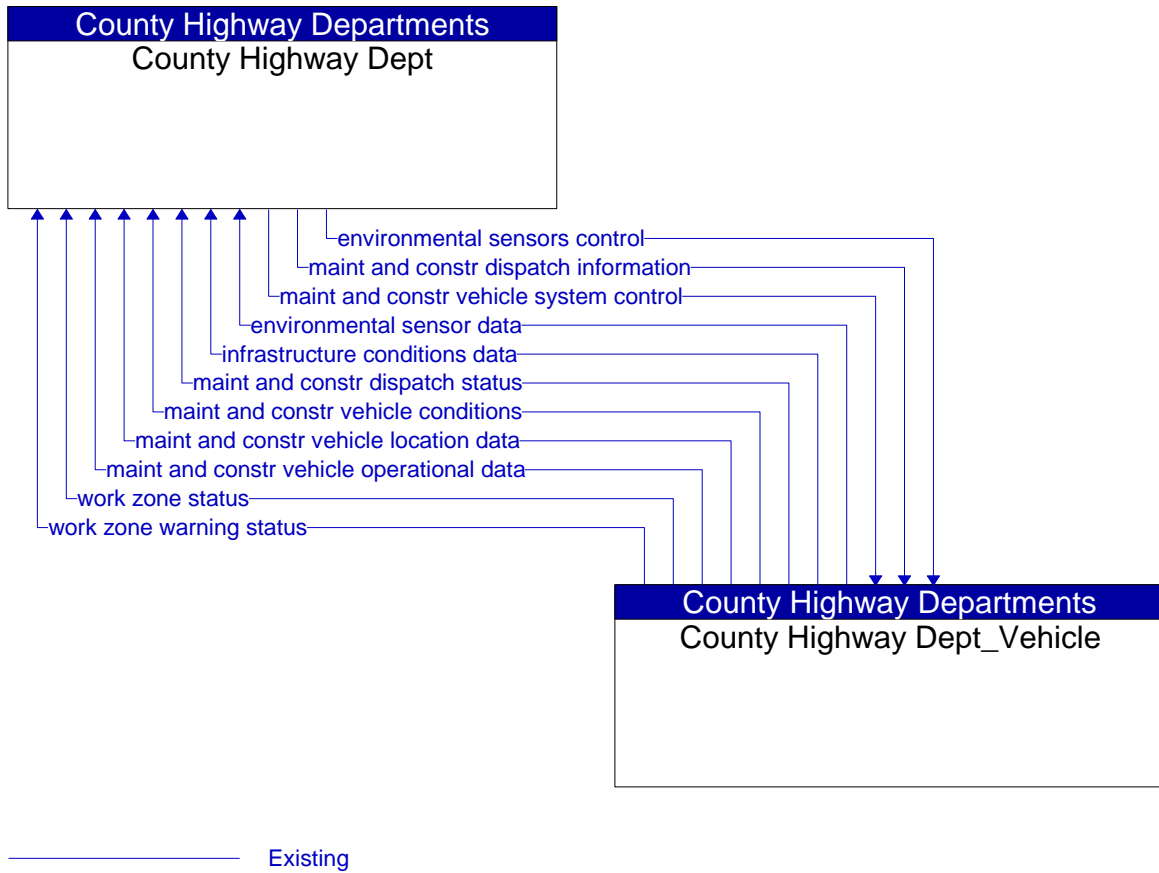


Figure 45: County Highway Dept - County Highway Dept_Vehicle Interface

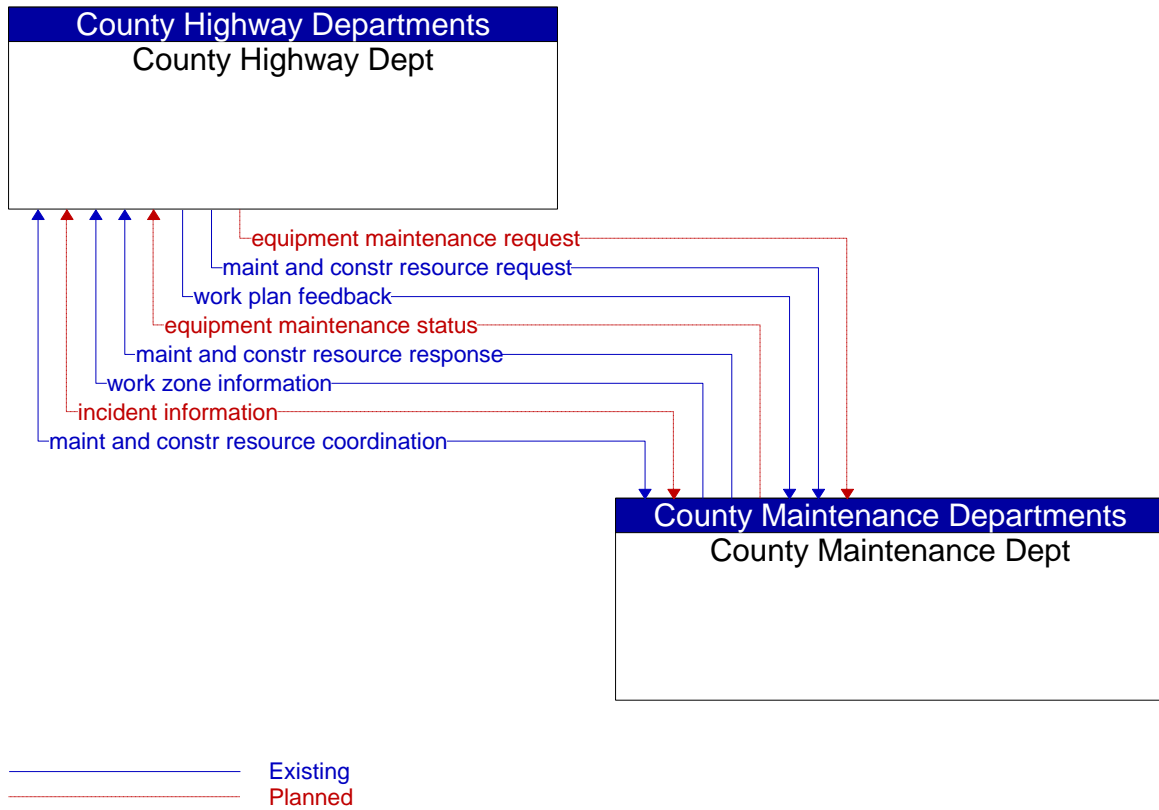


Figure 46: County Highway Dept - County Maintenance Dept Interface

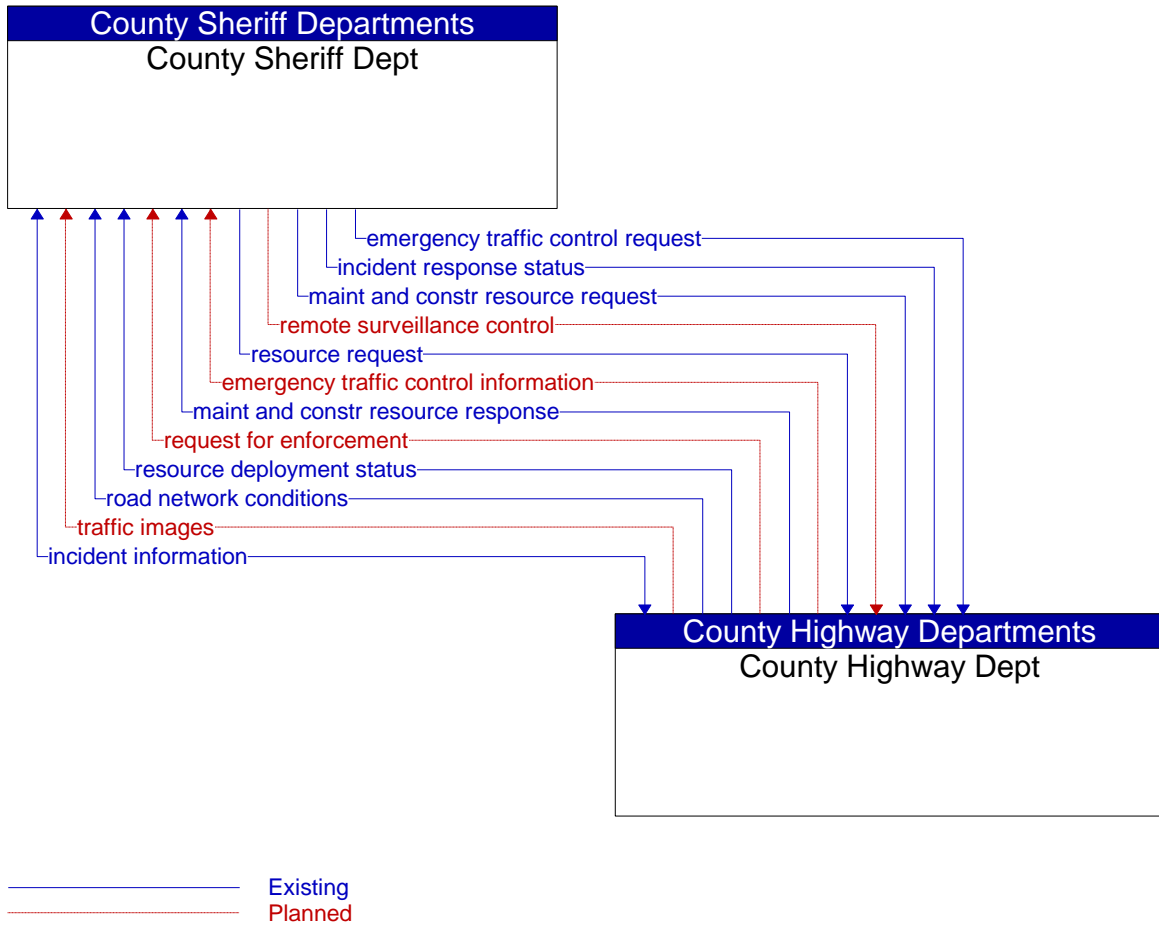


Figure 47: County Highway Dept - County Sheriff Dept Interface

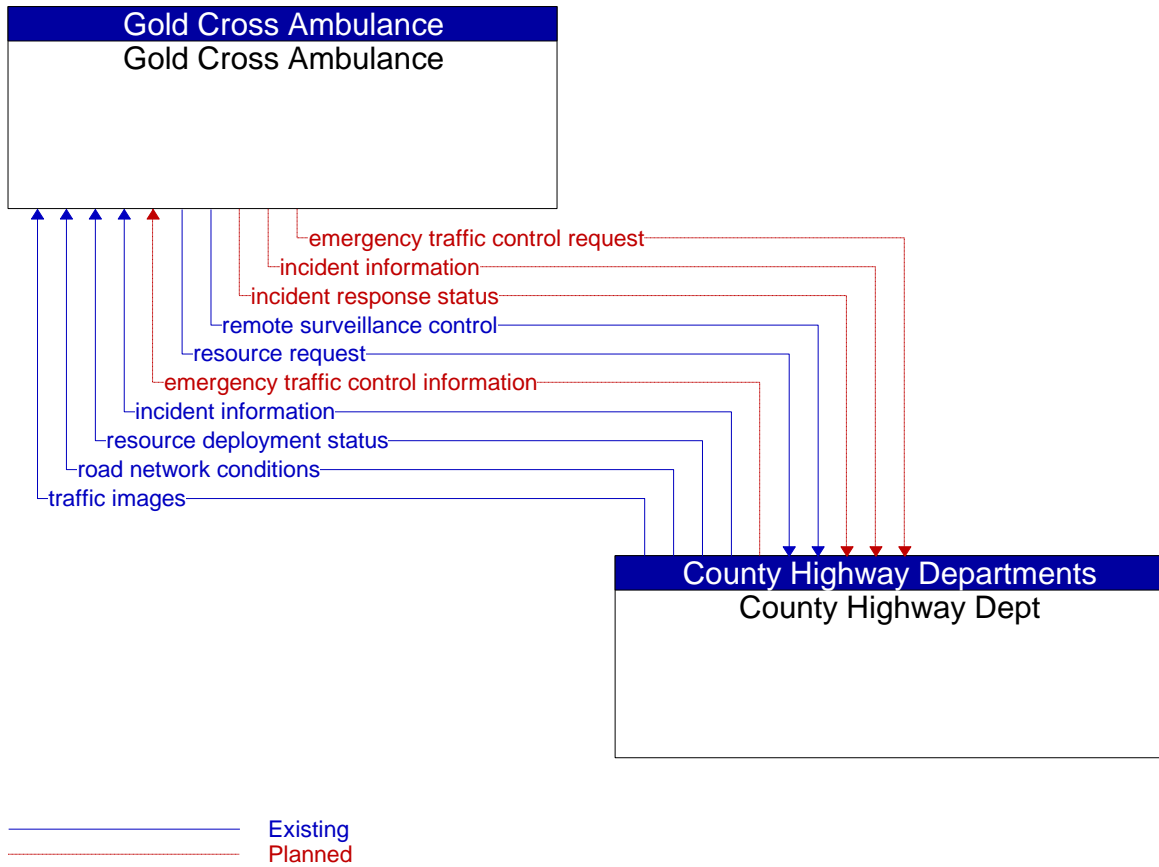


Figure 48: County Highway Dept - Gold Cross Ambulance Interface

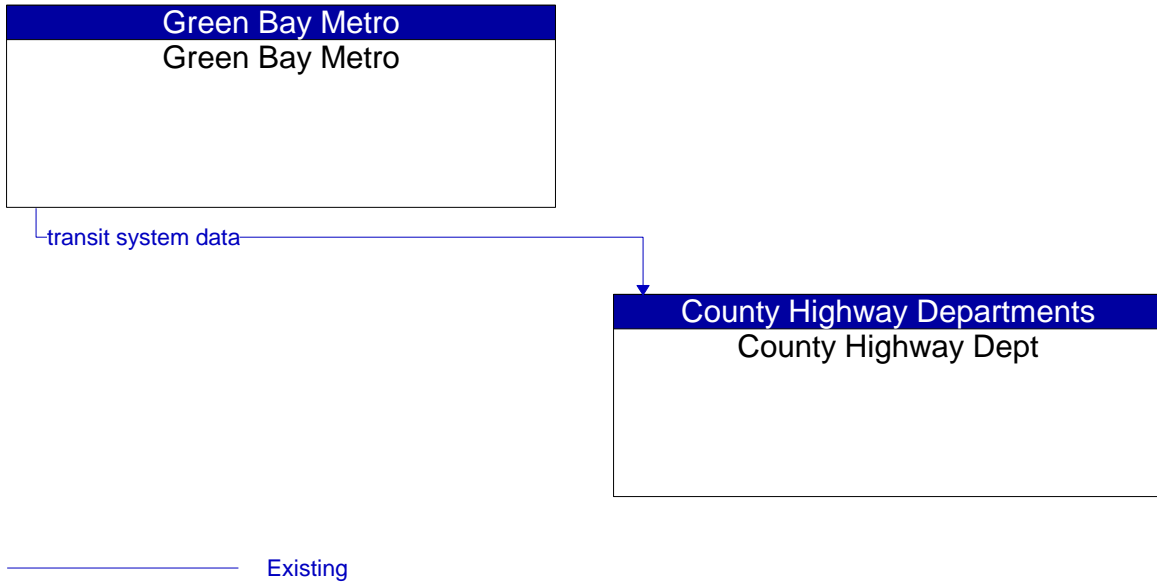


Figure 49: County Highway Dept - Green Bay Metro Interface

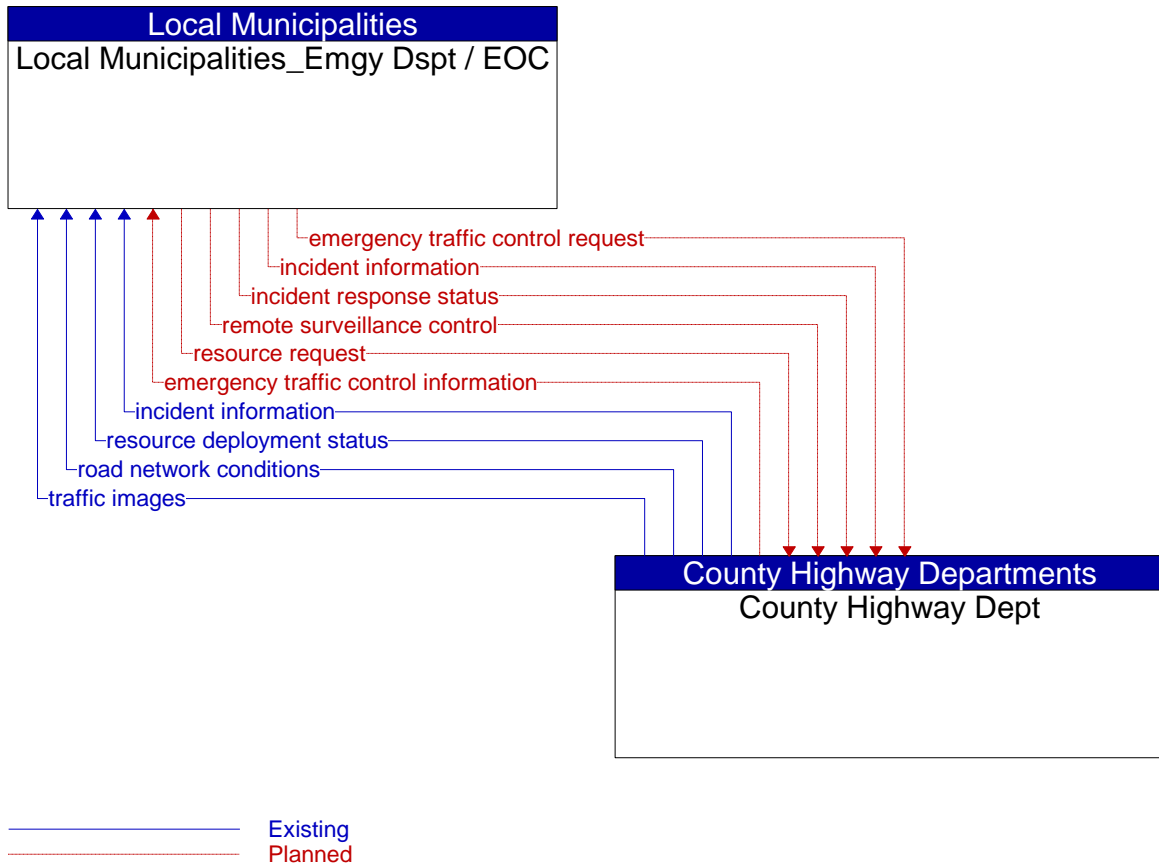


Figure 50: County Highway Dept - Local Municipalities_Emgv Dspt / EOC Interface

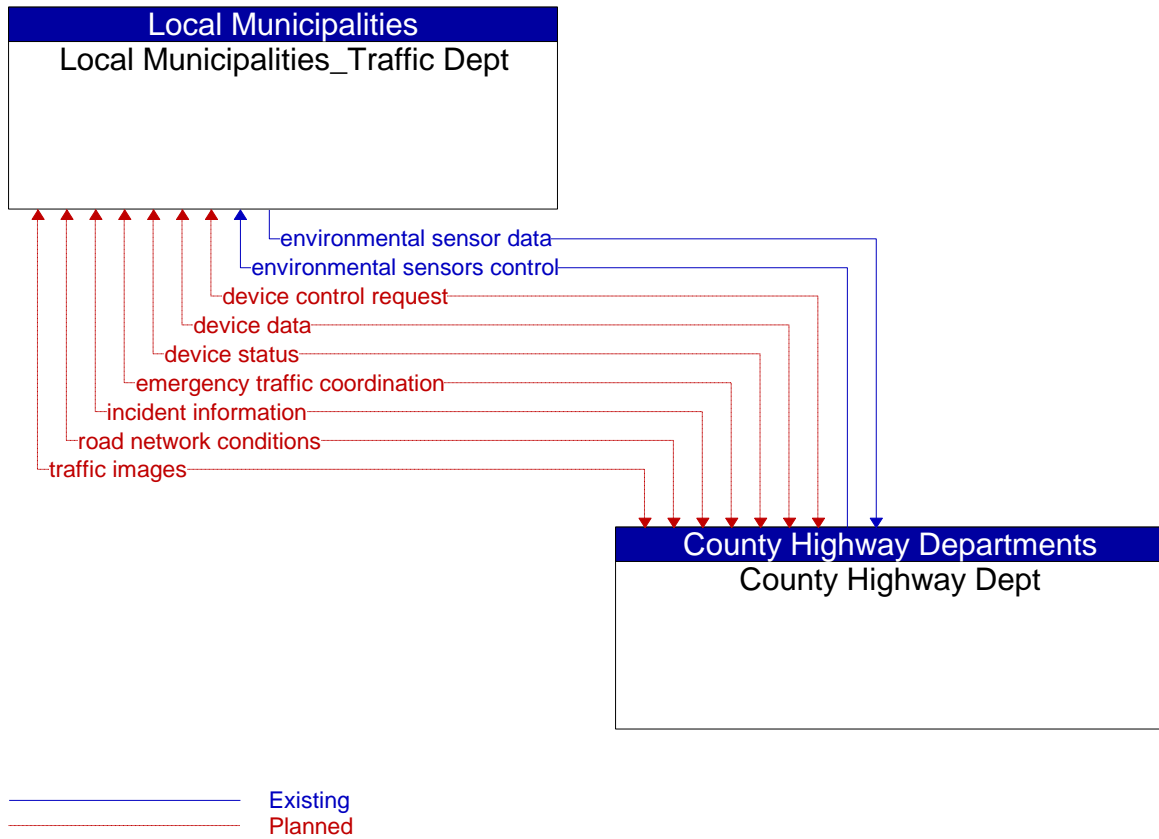


Figure 51: County Highway Dept - Local Municipalities_Traffic Dept Interface

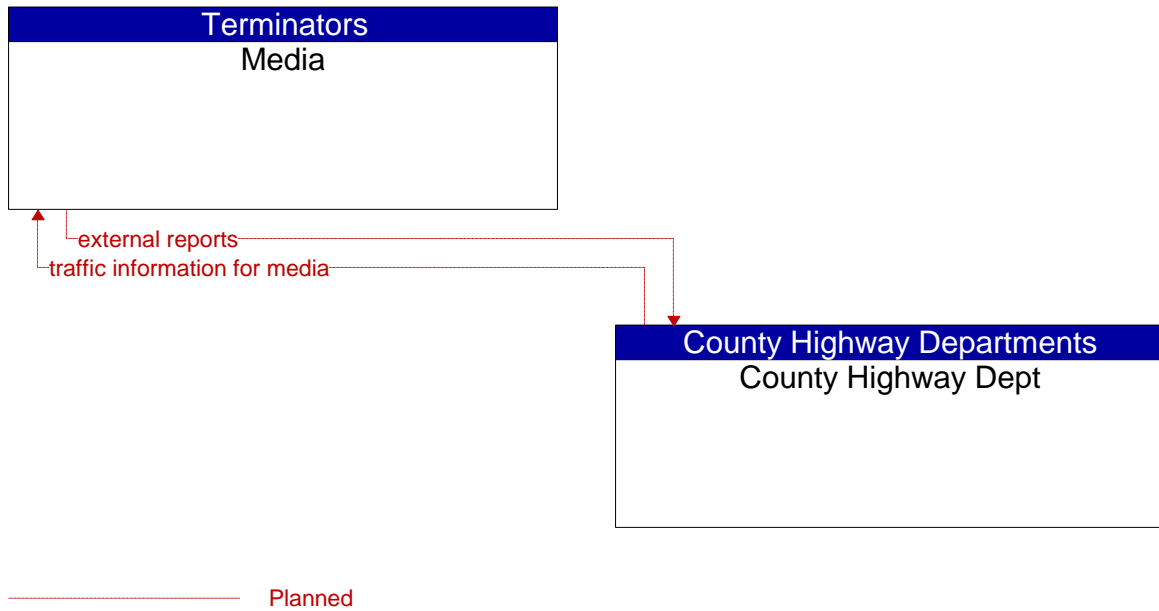


Figure 52: County Highway Dept - Media Interface

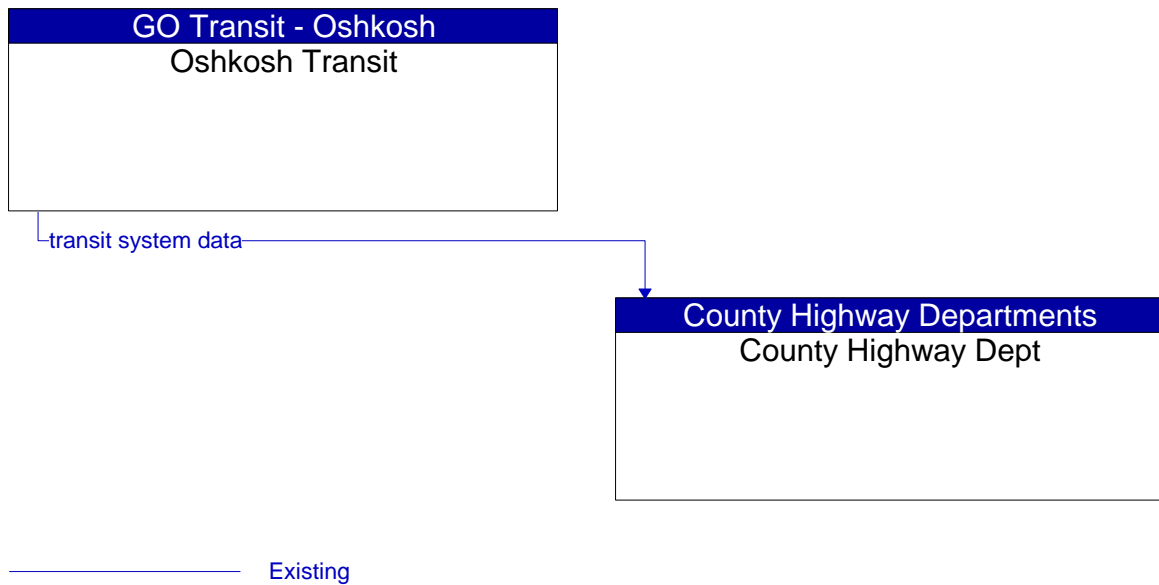


Figure 53: County Highway Dept - Oshkosh Transit Interface

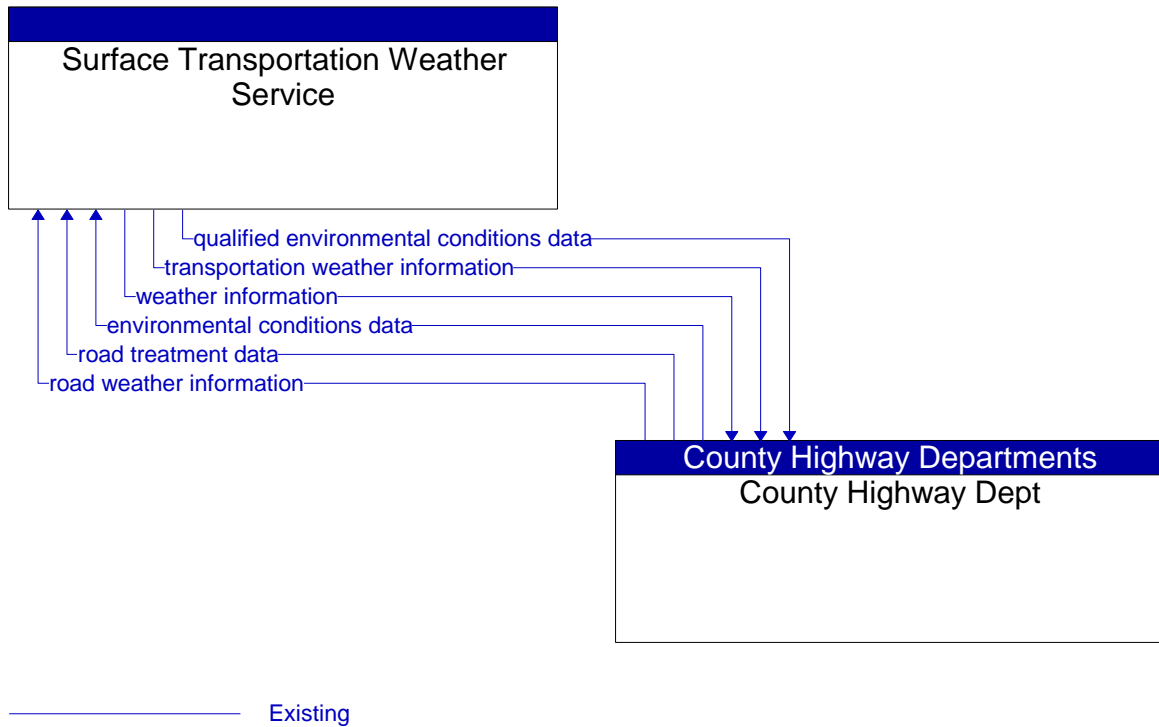


Figure 54: County Highway Dept - Surface Transportation Weather Service Interface

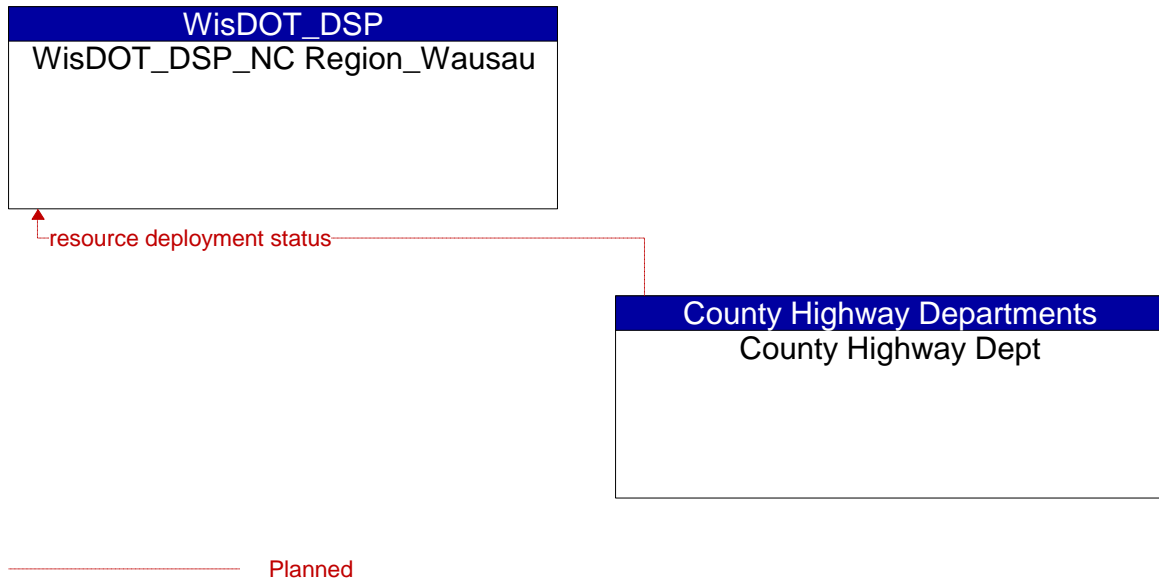


Figure 55: County Highway Dept - WisDOT_DSP_NC Region_Wausau Interface

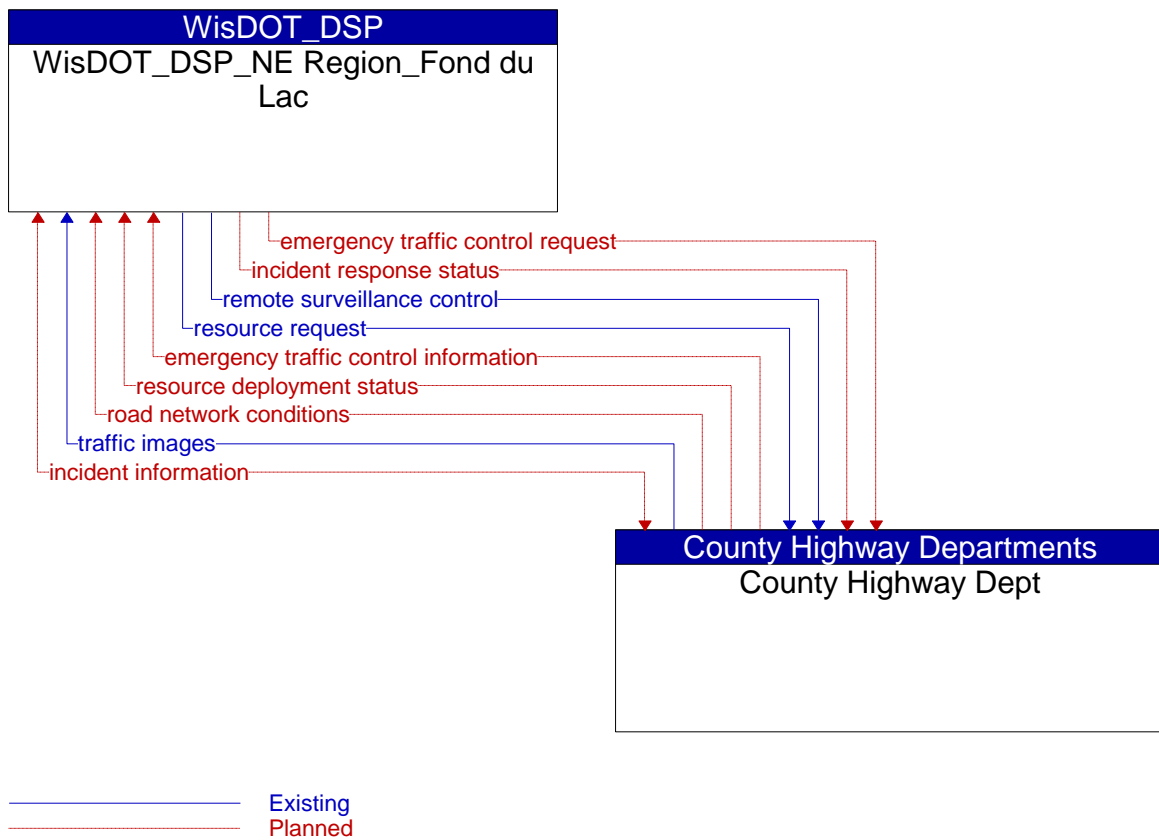


Figure 56: County Highway Dept - WisDOT_DSP_NE Region_Fond du Lac Interface

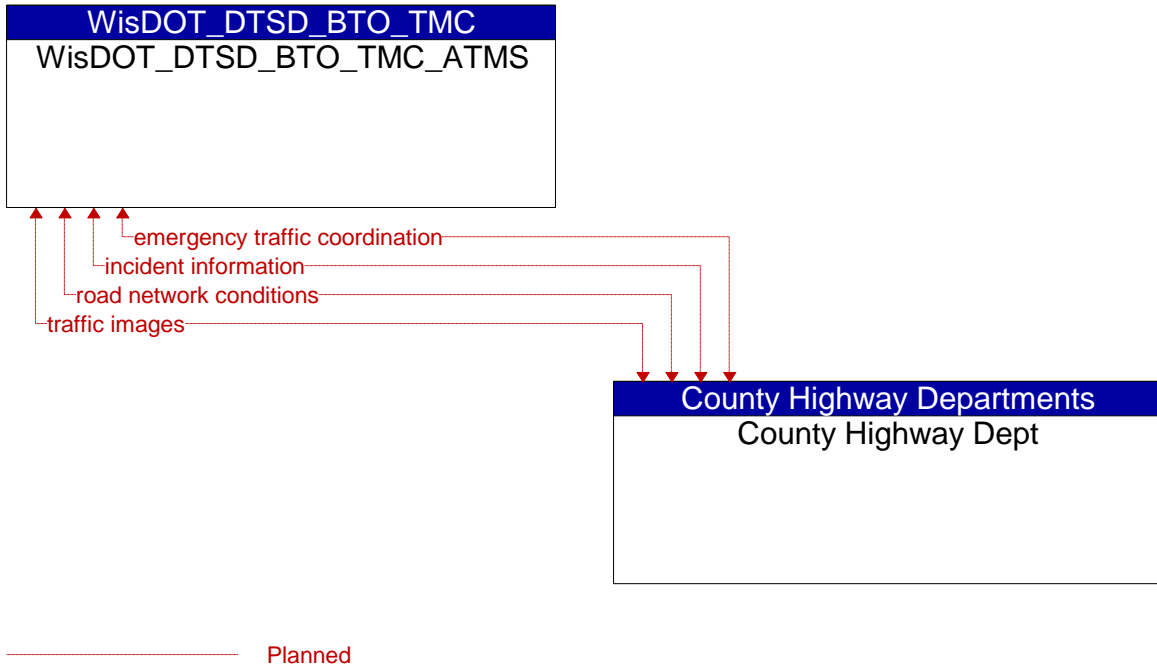


Figure 57: County Highway Dept - WisDOT_DTSD_BTO_TMC_ATMS Interface

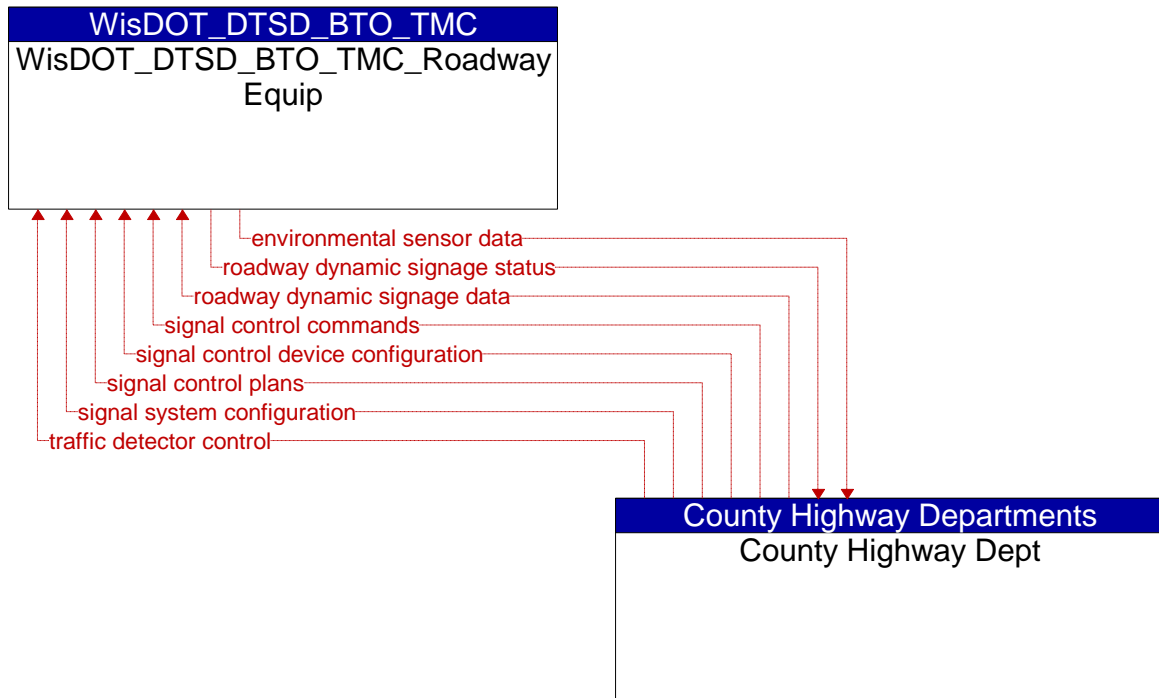


Figure 58: County Highway Dept - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

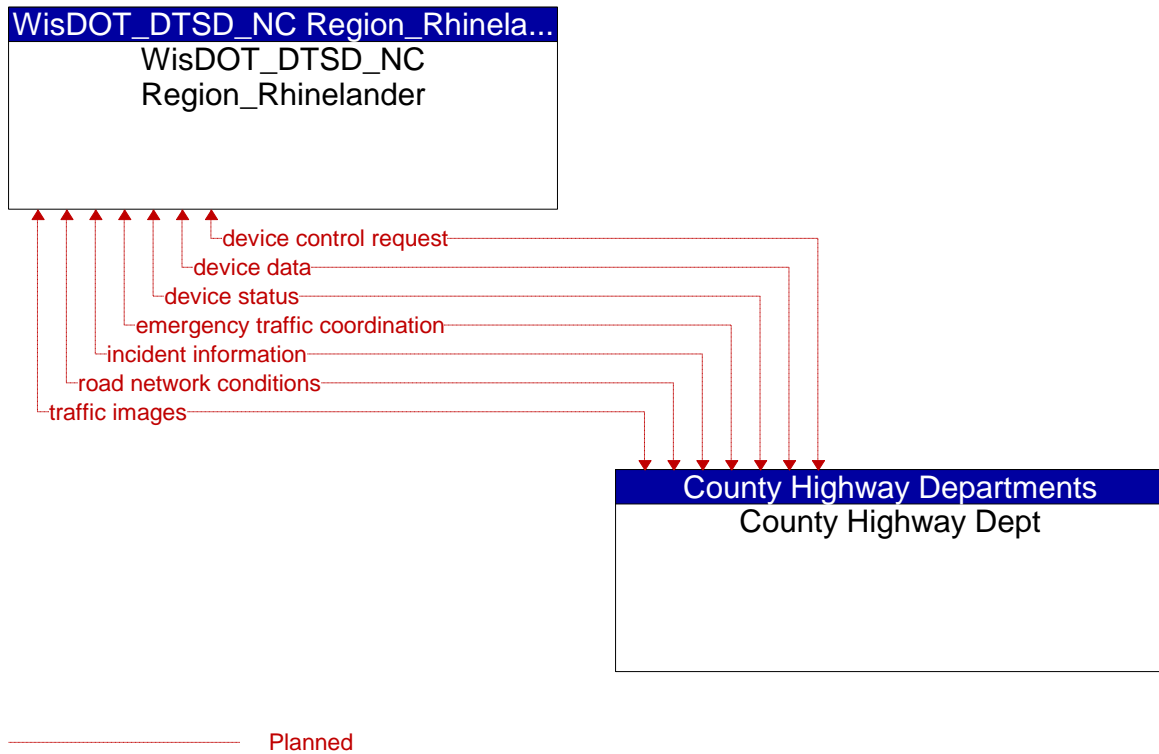


Figure 59: County Highway Dept - WisDOT_DTSD_NC Region_Rhineland Interface

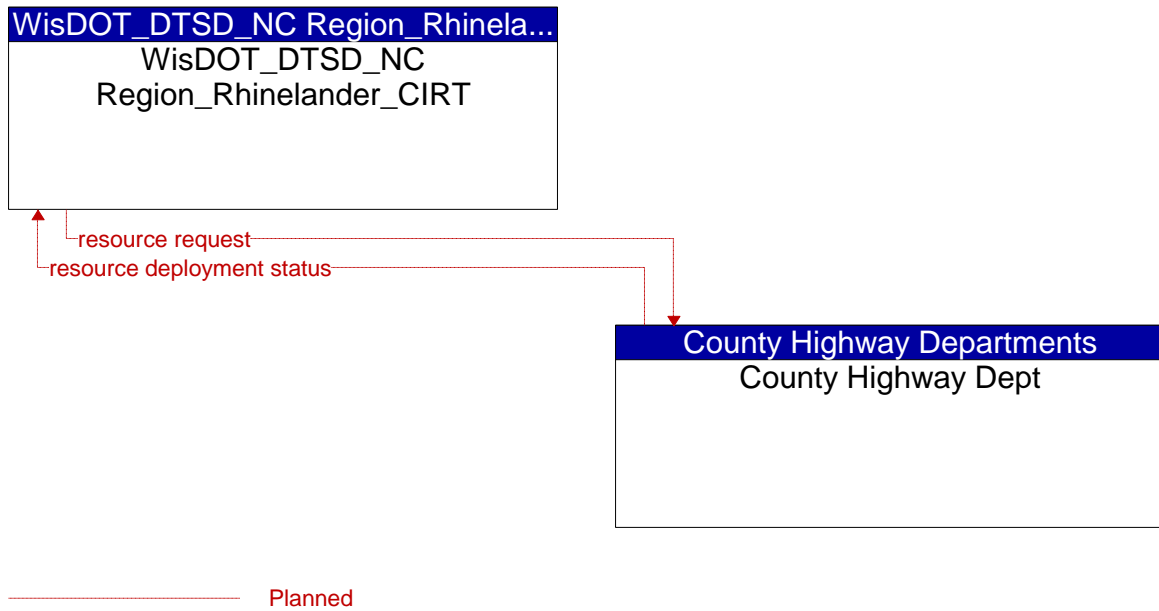


Figure 60: County Highway Dept - WisDOT_DTSD_NC Region_Rhineland_CIRT Interface

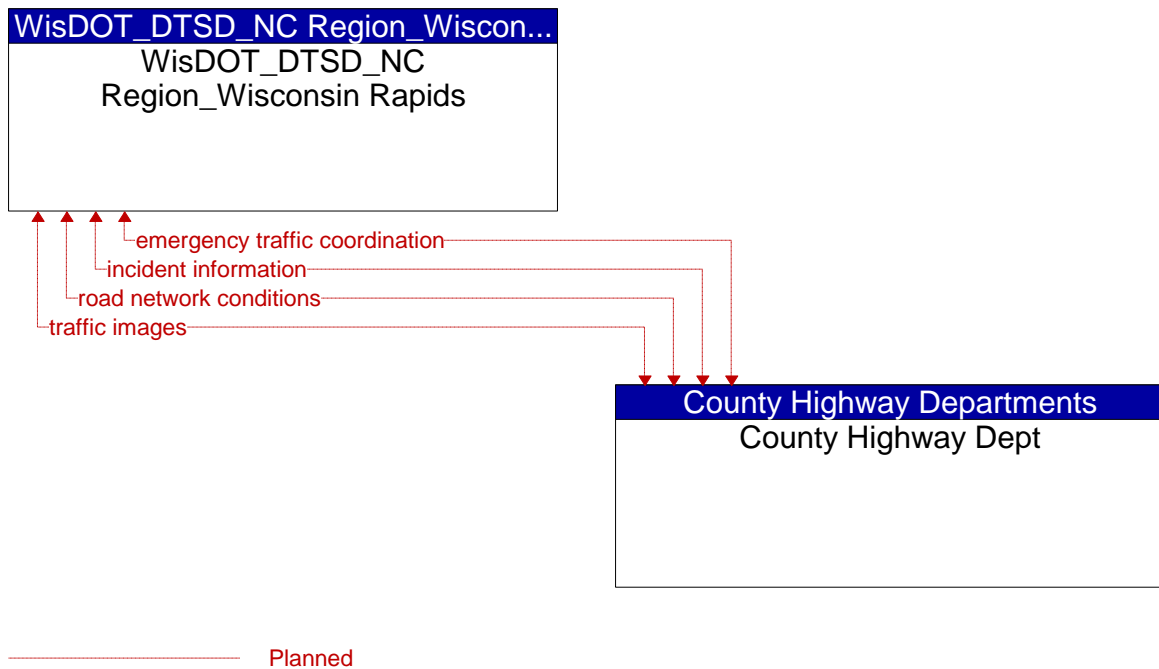


Figure 61: County Highway Dept - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

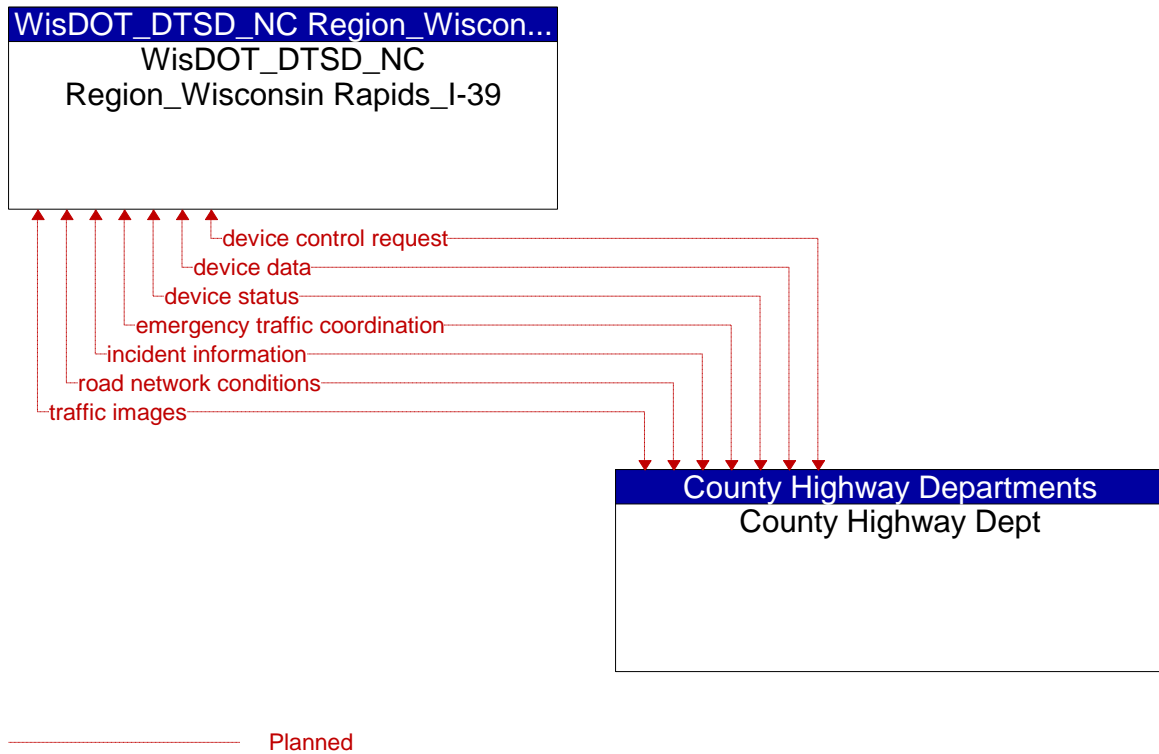


Figure 62: County Highway Dept - WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 Interface

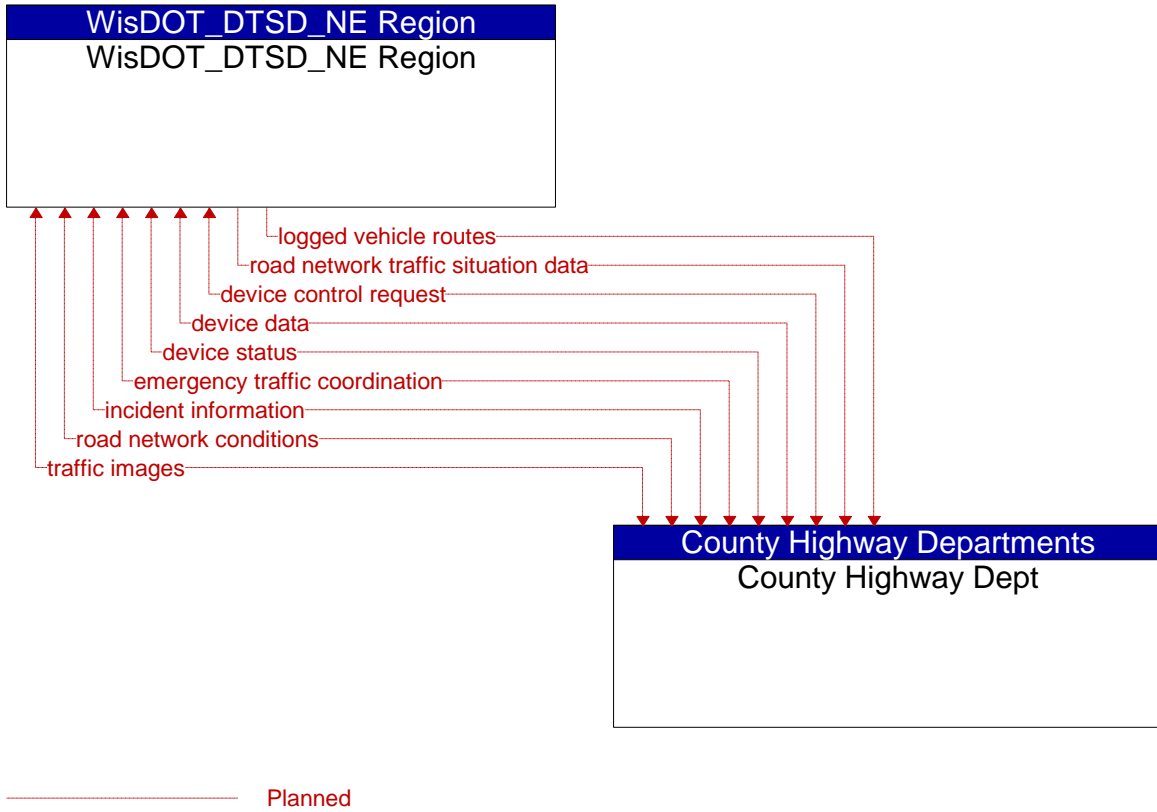


Figure 63: County Highway Dept - WisDOT_DTSD_NE Region Interface

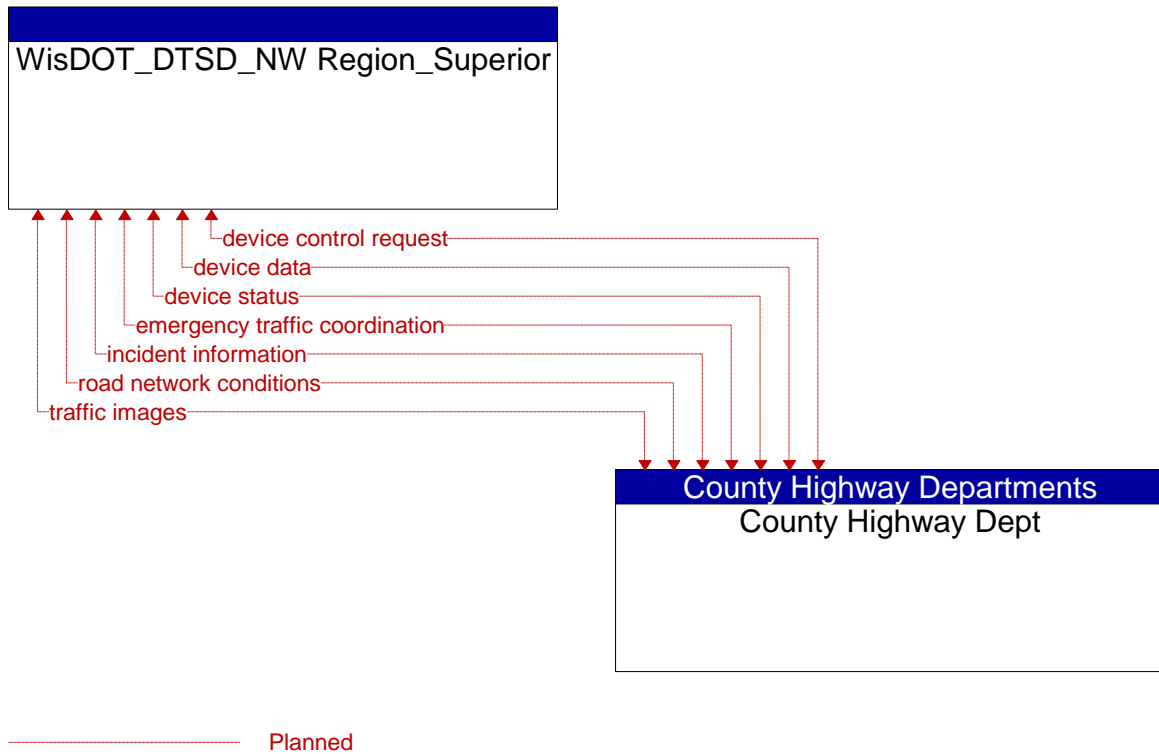


Figure 64: County Highway Dept - WisDOT_DTSD_NW Region_Superior Interface

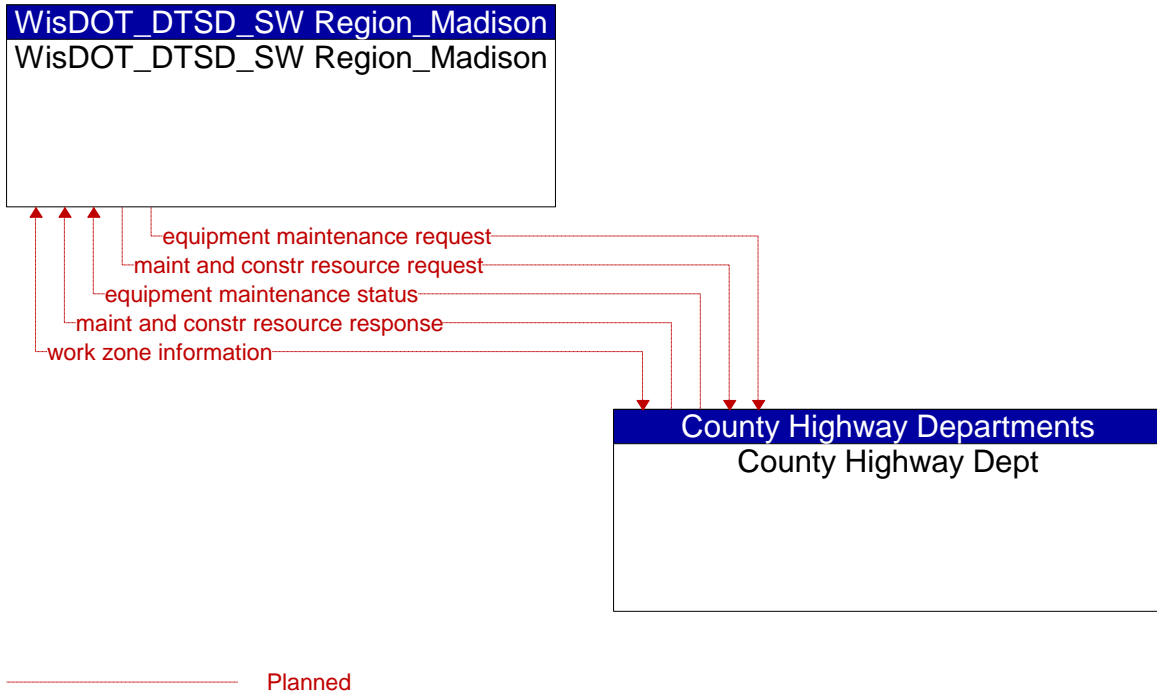


Figure 65: County Highway Dept - WisDOT_DTSD_SW Region_Madison Interface

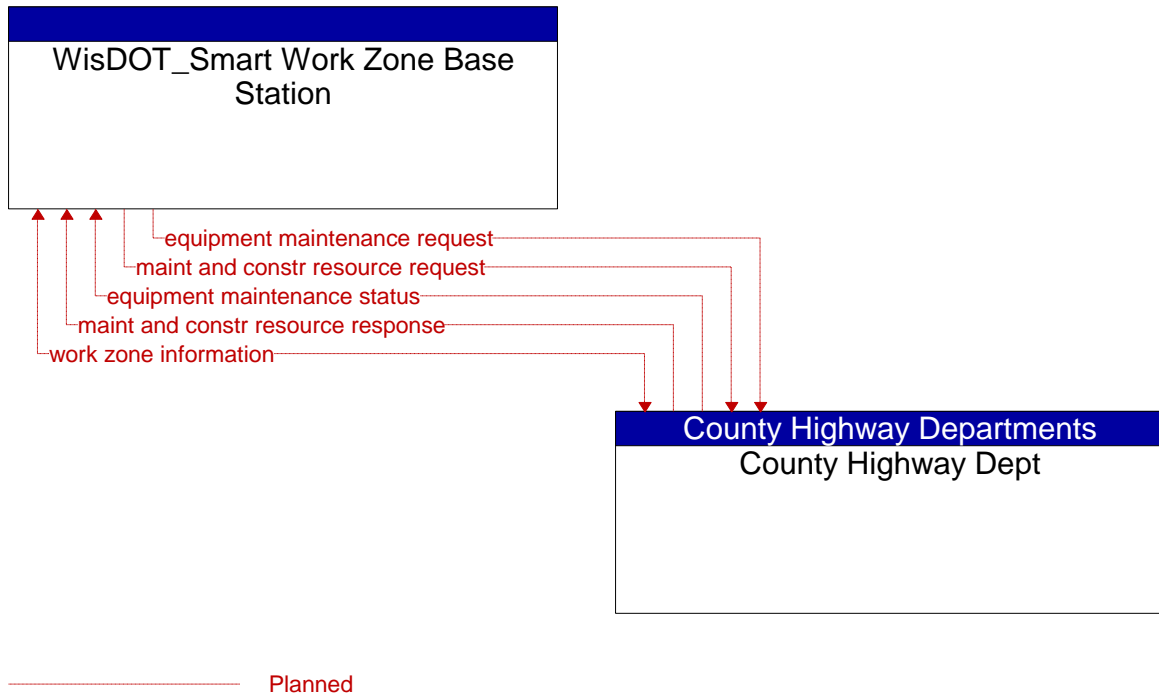


Figure 66: County Highway Dept - WisDOT_Smart Work Zone Base Station Interface

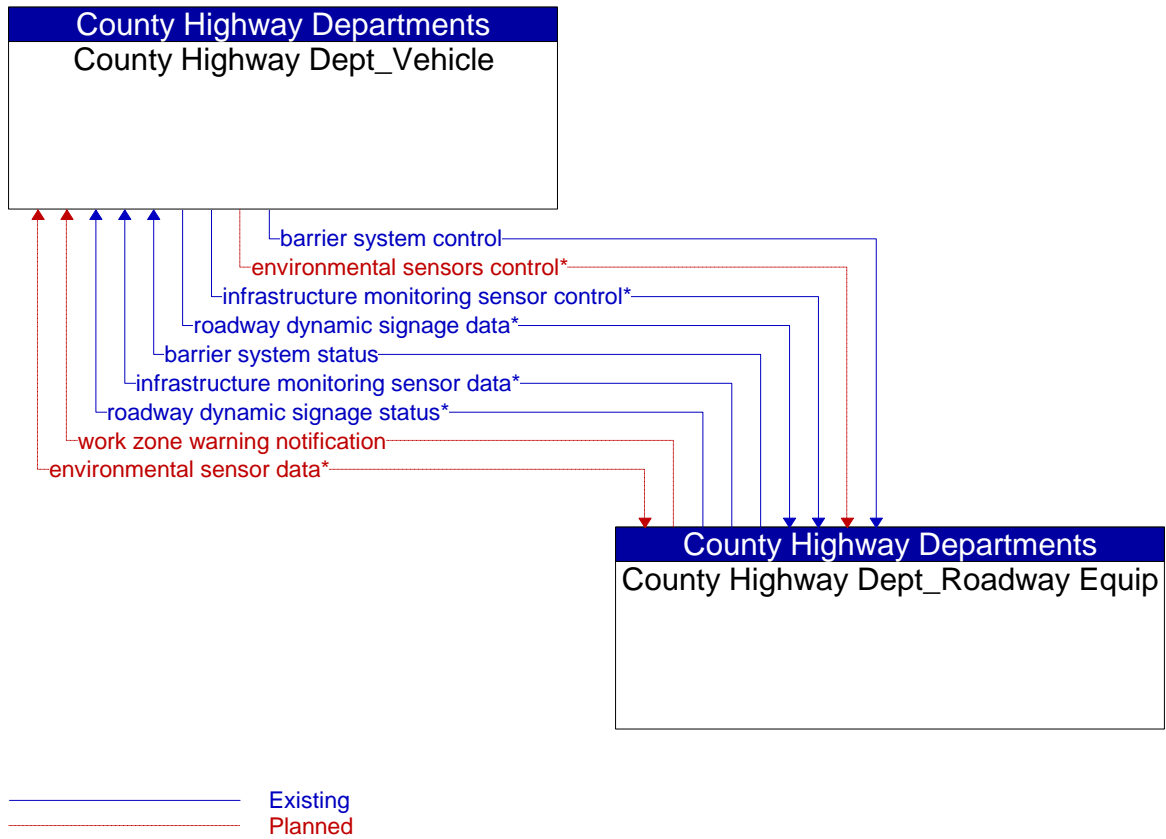


Figure 67: County Highway Dept_Roadway Equip - County Highway Dept_Vehicle Interface

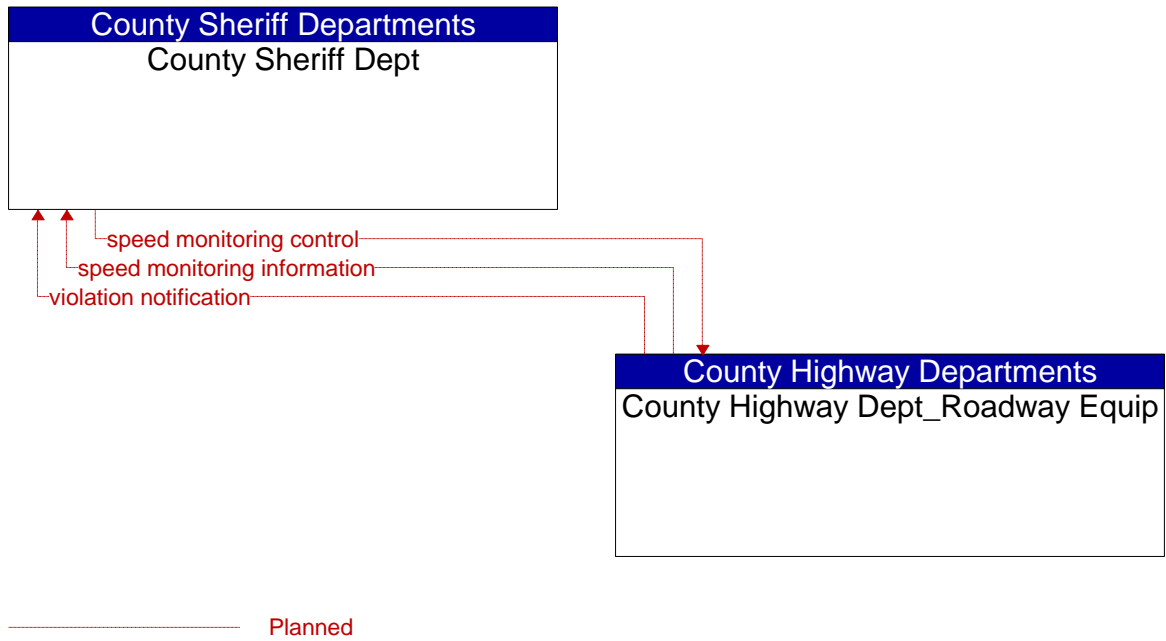


Figure 68: County Highway Dept_Roadway Equip - County Sheriff Dept Interface

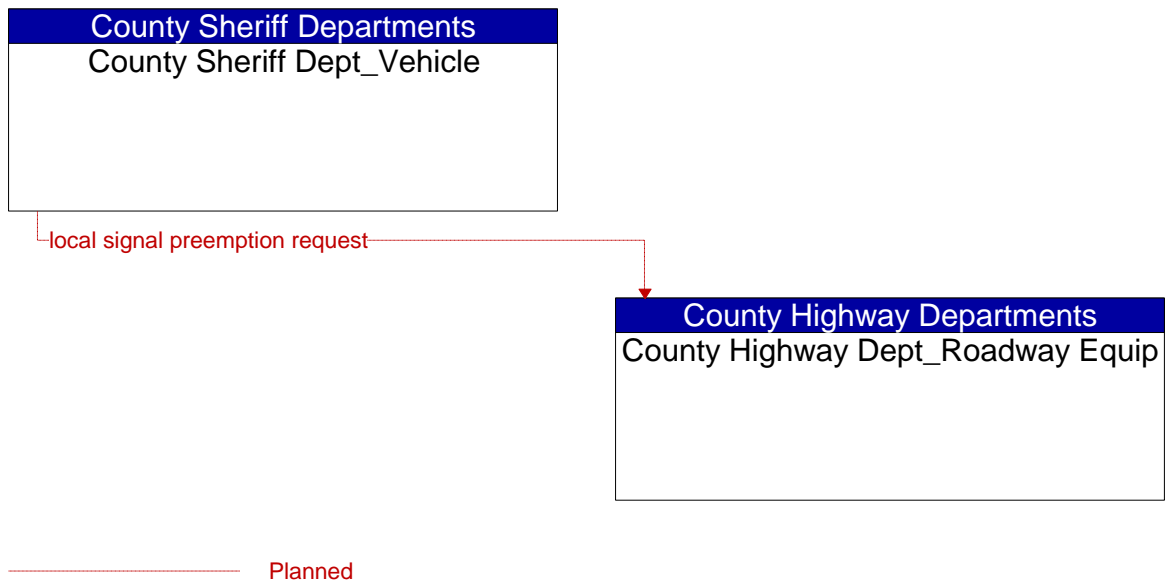


Figure 69: County Highway Dept_Roadway Equip - County Sheriff Dept_Vehicle Interface

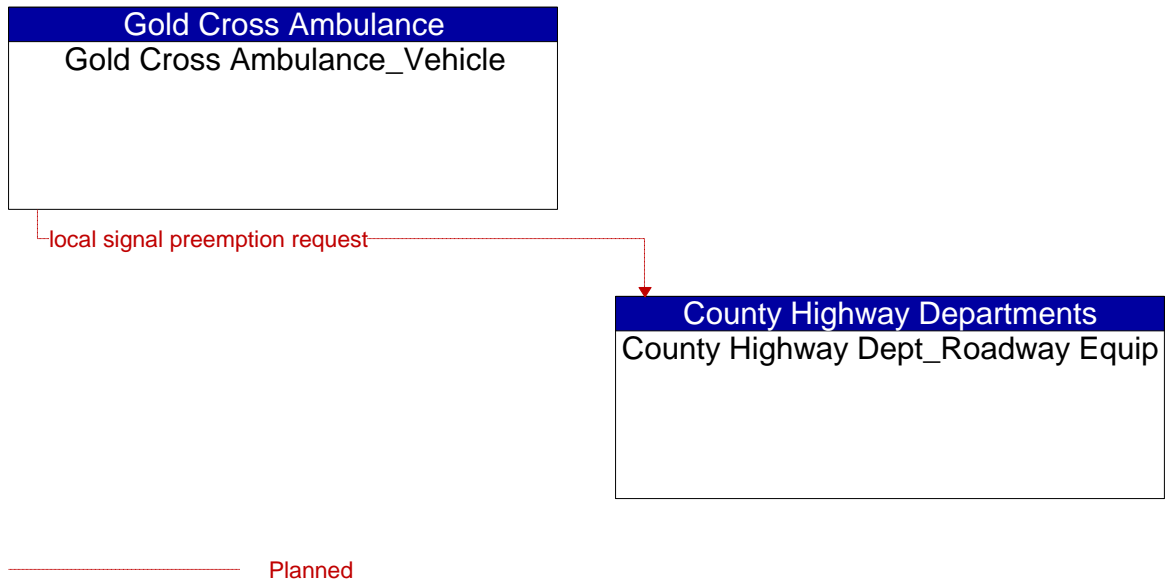


Figure 70: County Highway Dept_Roadway Equip - Gold Cross Ambulance_Vehicle Interface

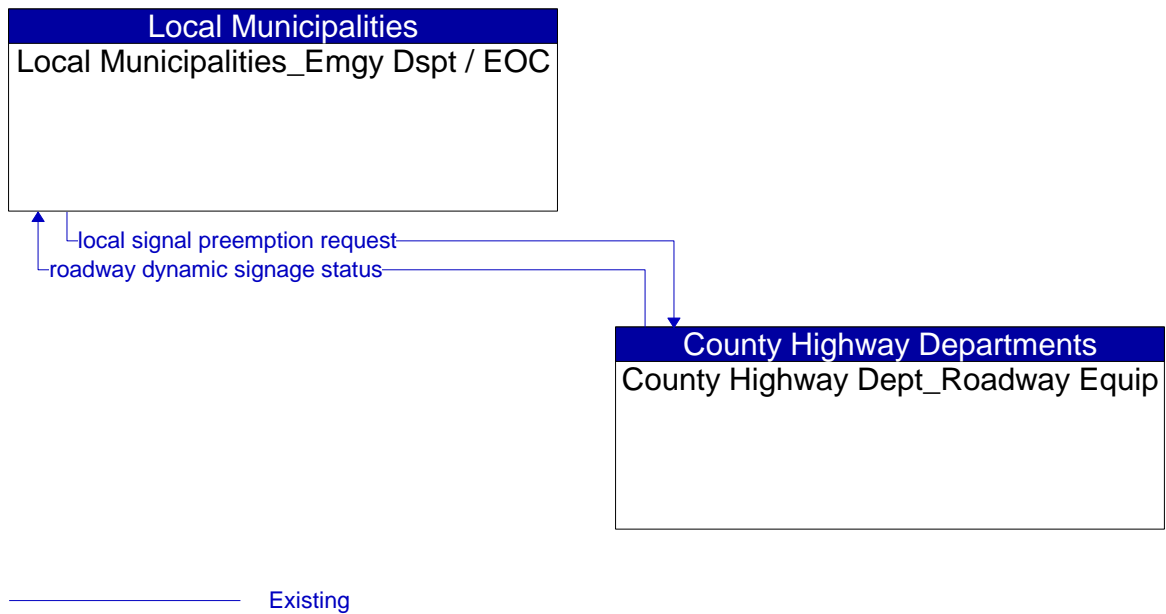


Figure 71: County Highway Dept_Roadway Equip - Local Municipalities_Emgv Dspt / EOC Interface

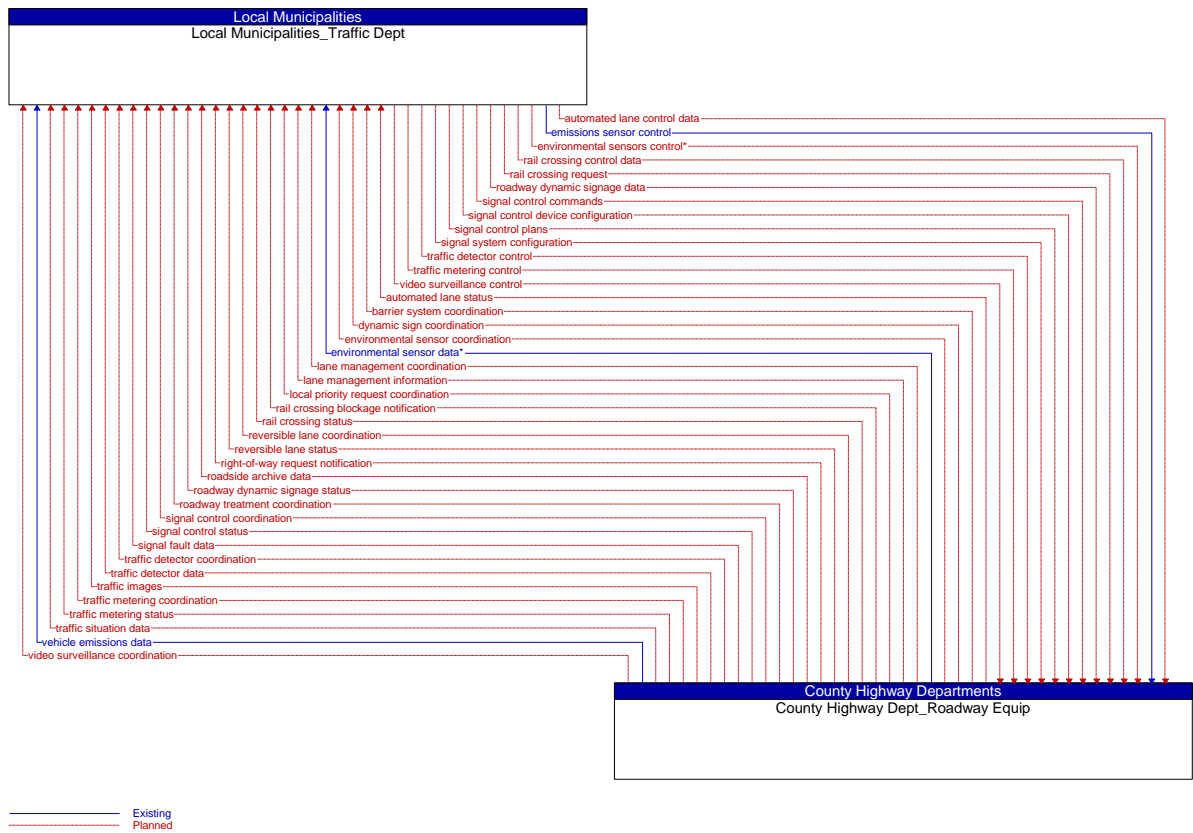


Figure 72: County Highway Dept_Roadway Equip - Local Municipalities_Traffic Dept Interface

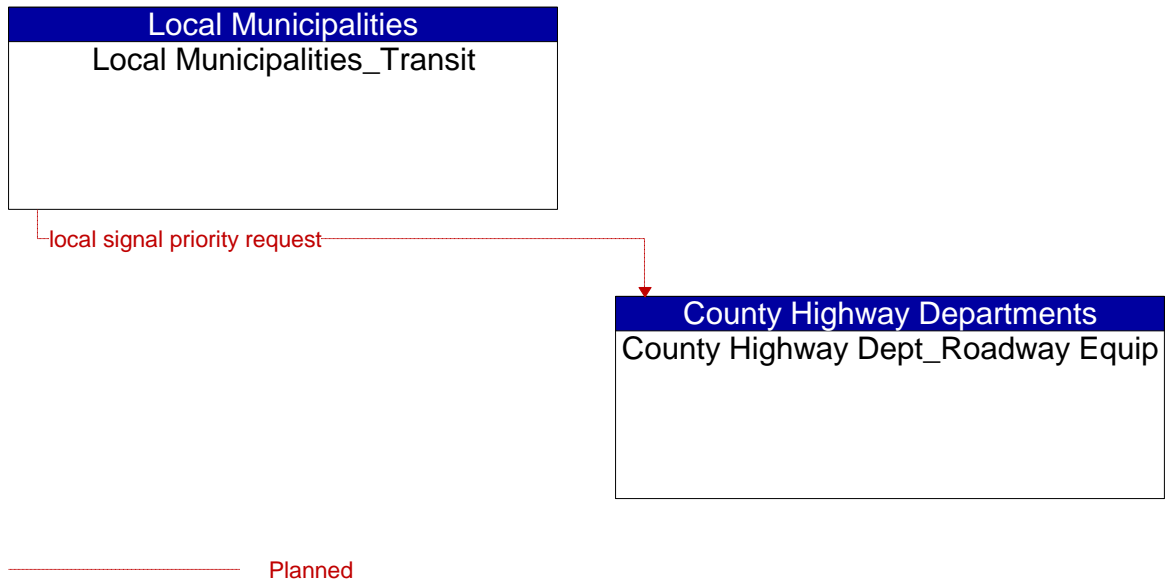


Figure 73: County Highway Dept_Roadway Equip - Local Municipalities_Transit Interface

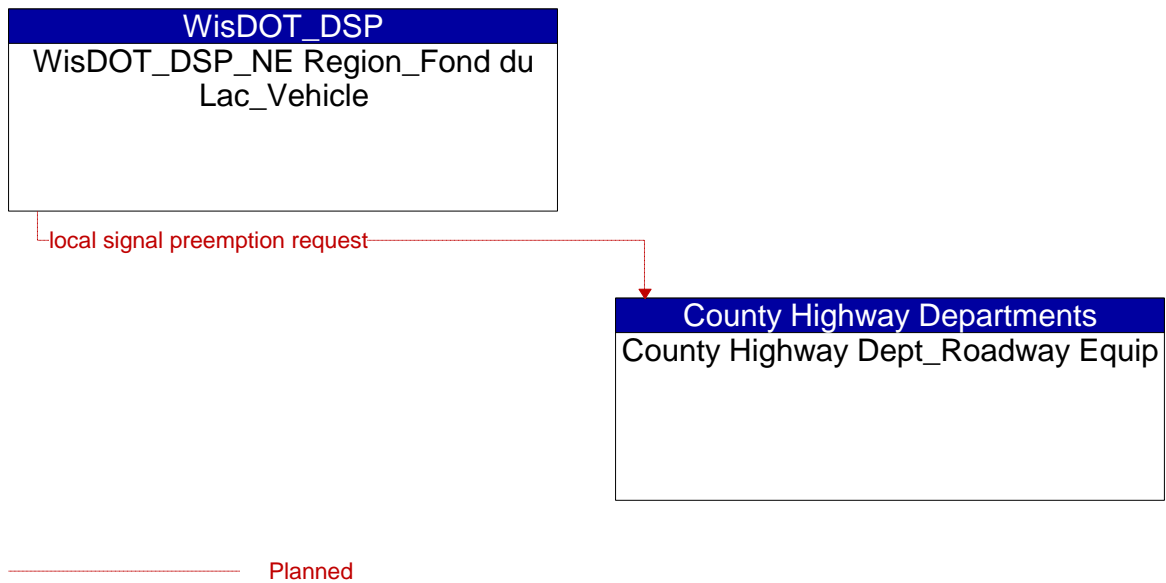


Figure 74: County Highway Dept_Roadway Equip - WisDOT_DSP_NE Region_Fond du Lac_Vehicle Interface

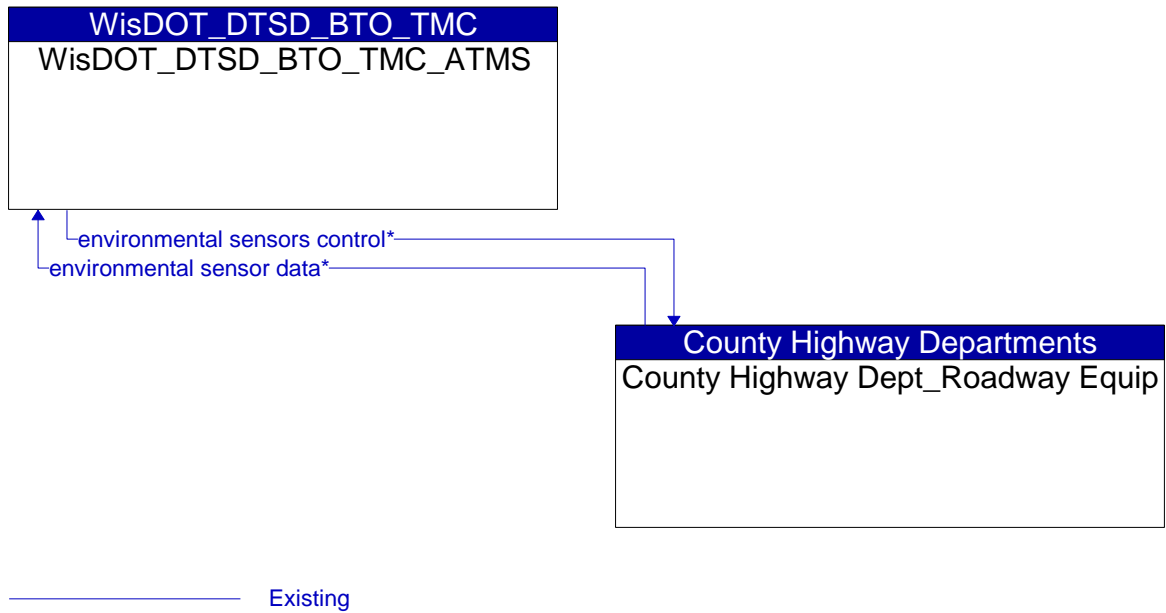


Figure 75: County Highway Dept_Roadway Equip - WisDOT_DTSD_BTO_TMC_ATMS Interface

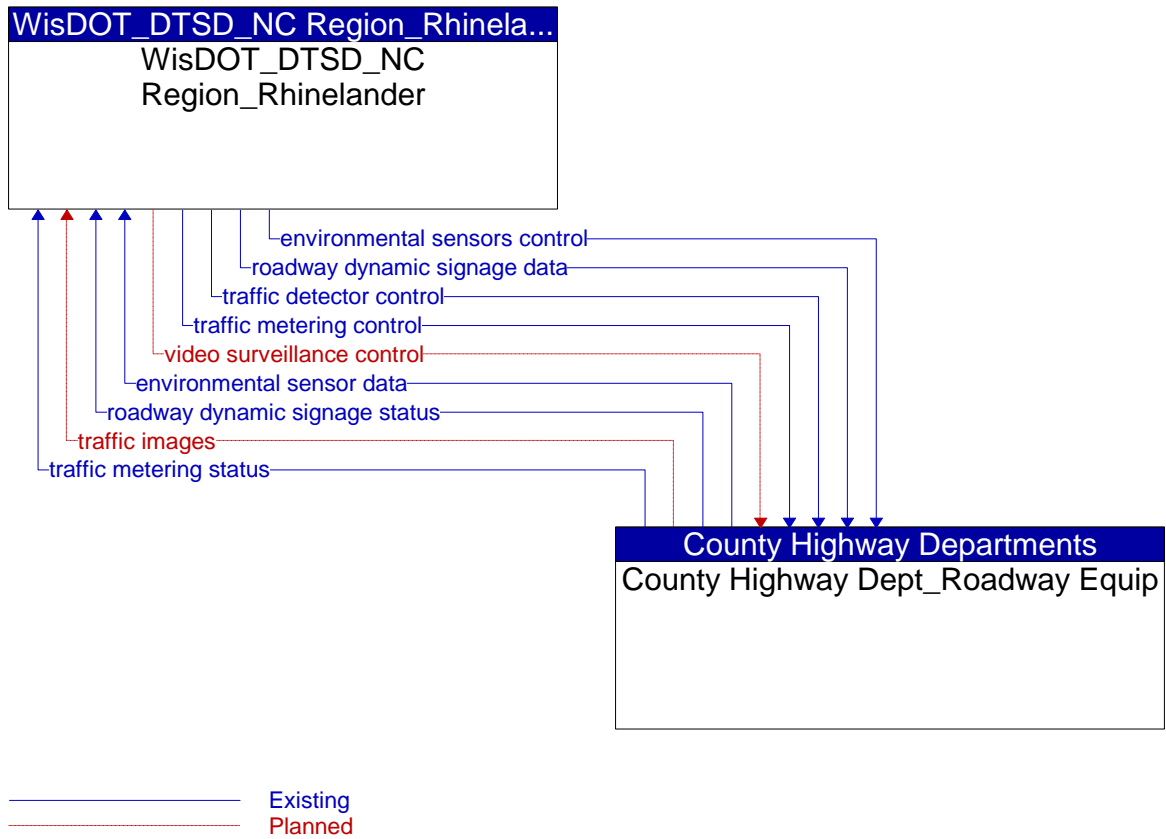


Figure 76: County Highway Dept_Roadway Equip - WisDOT_DTSD_NC Region_Rhineland Interface

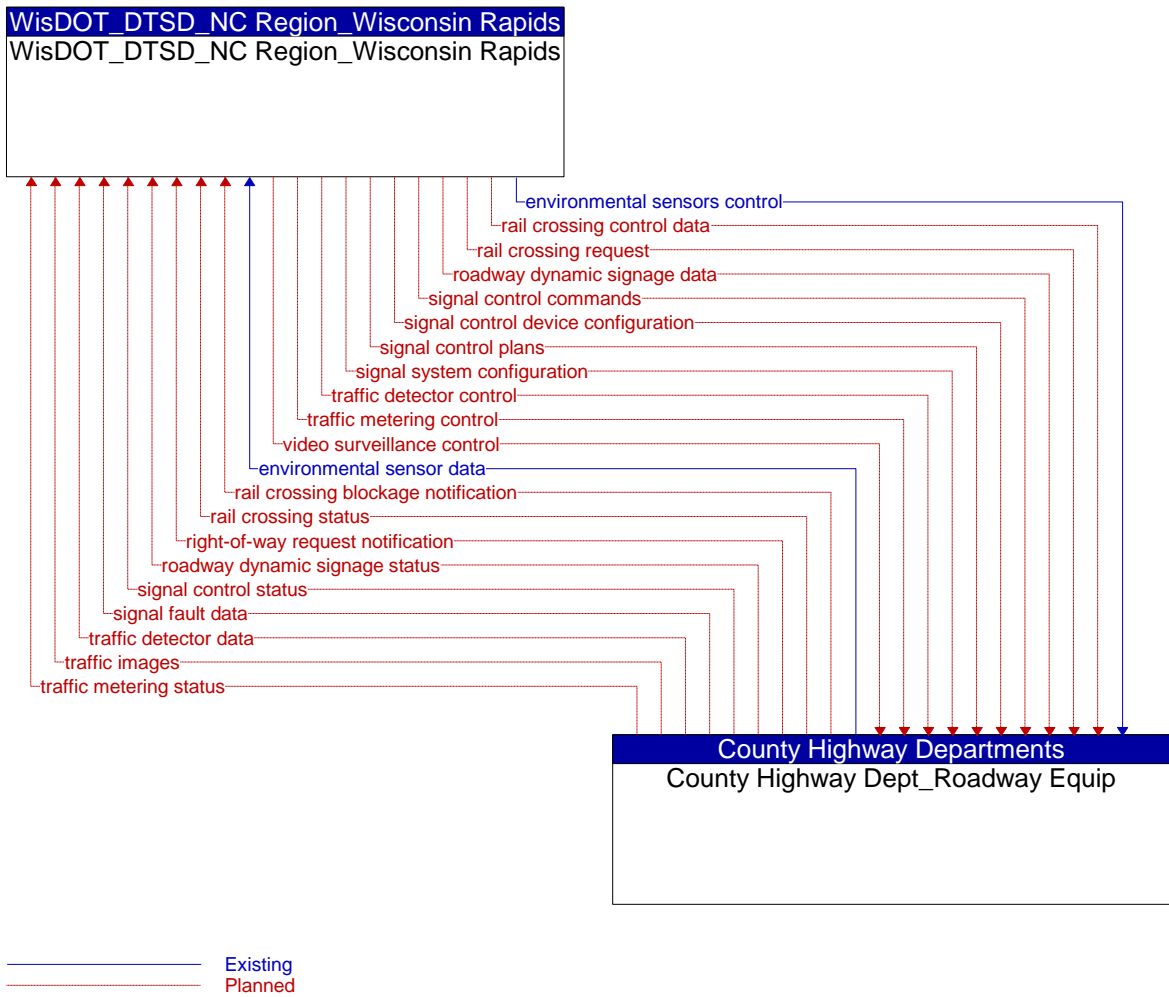


Figure 77: County Highway Dept_Roadway Equip - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

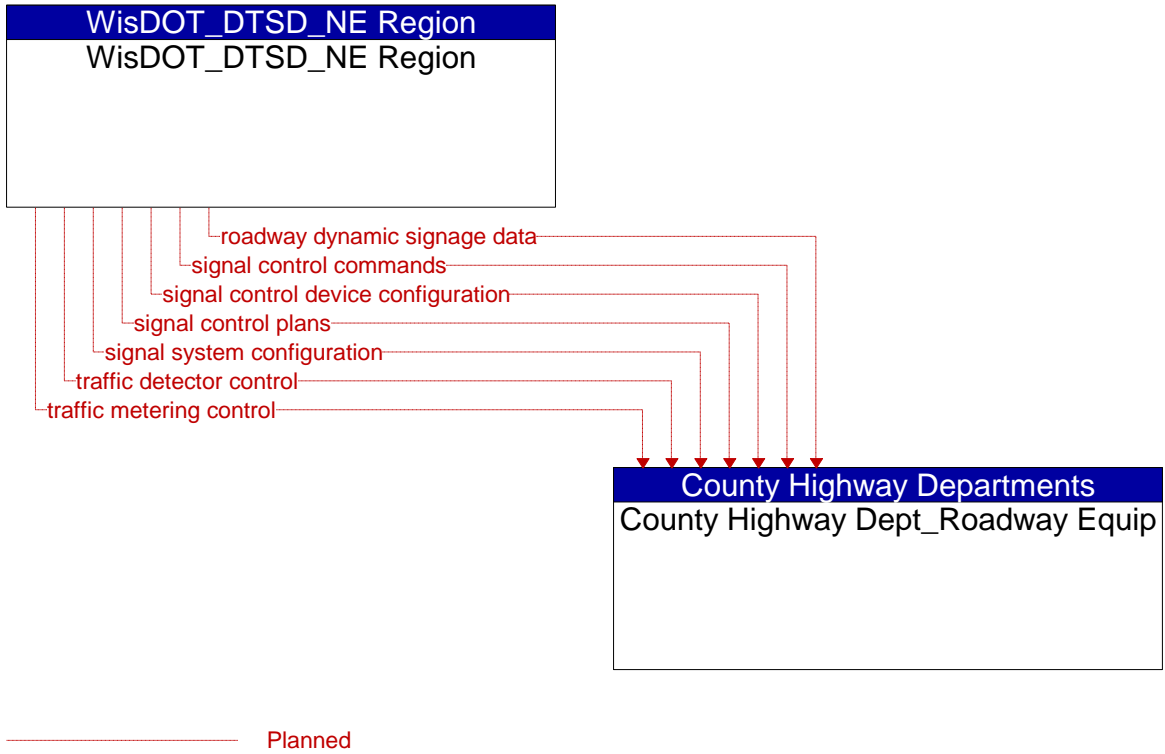


Figure 78: County Highway Dept_Roadway Equip - WisDOT_DTSD_NE Region Interface

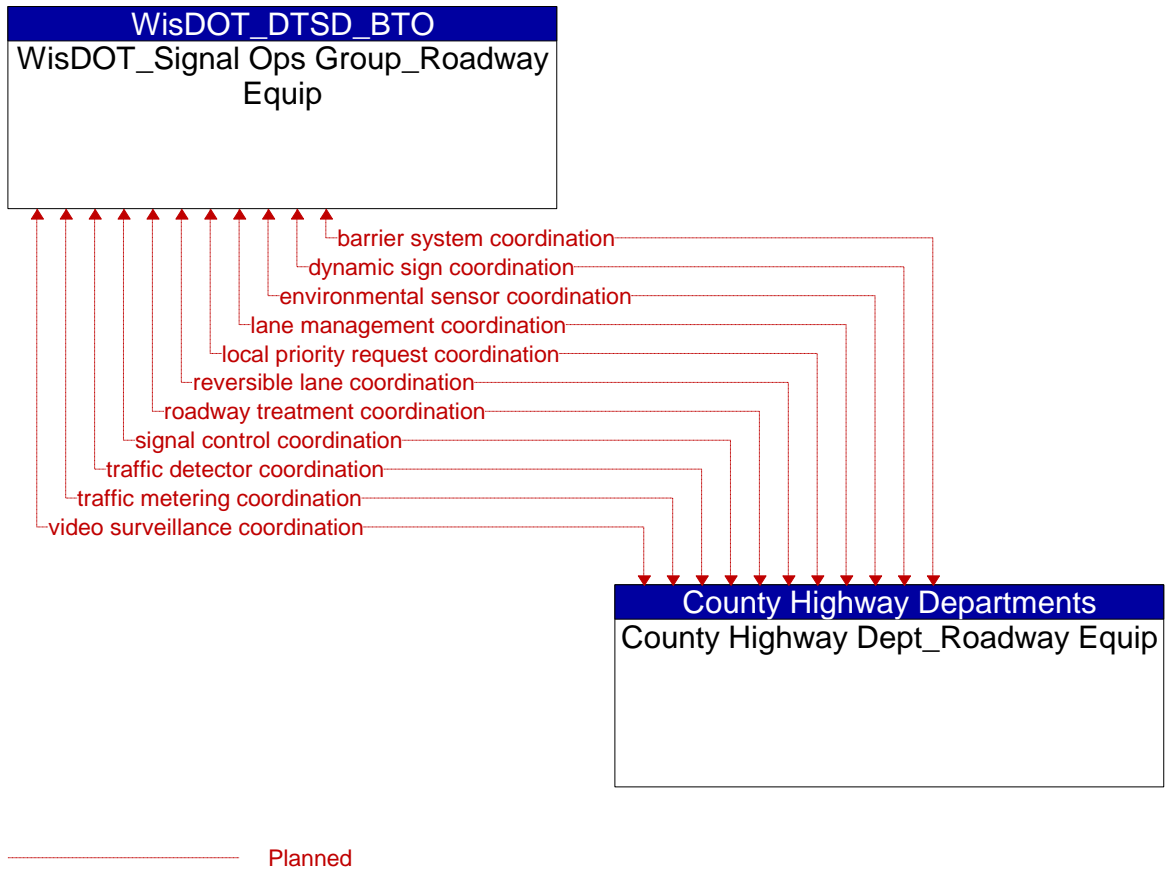


Figure 79: County Highway Dept_Roadway Equip - WisDOT_Signal Ops Group_Roadway Equip Interface

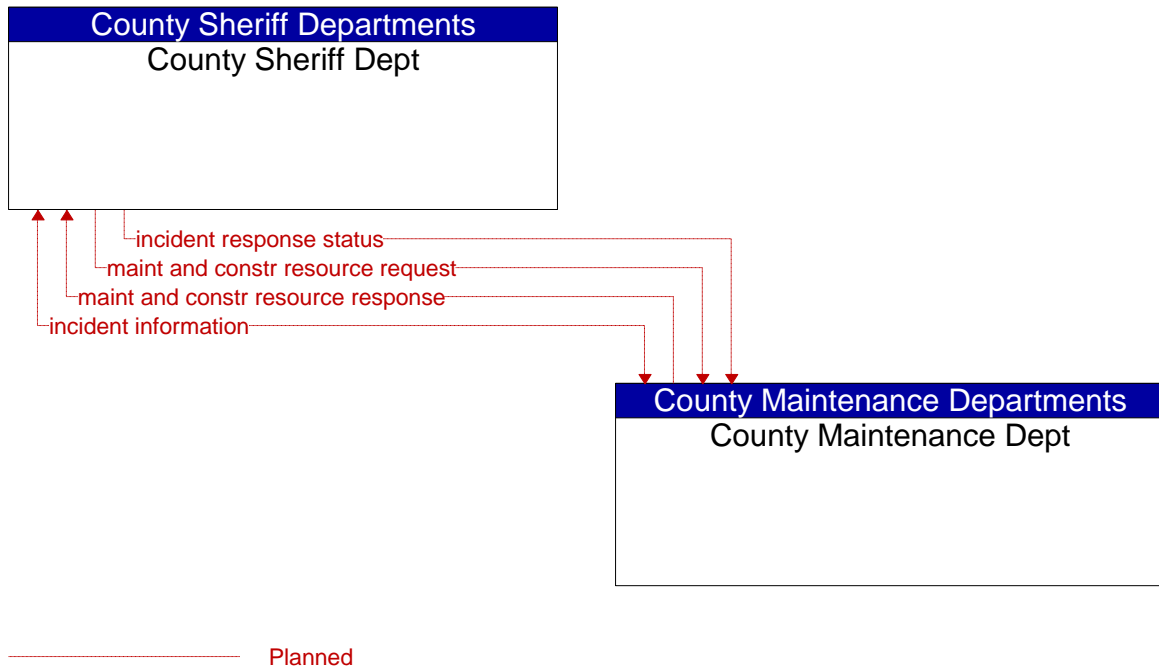


Figure 80: County Maintenance Dept - County Sheriff Dept Interface

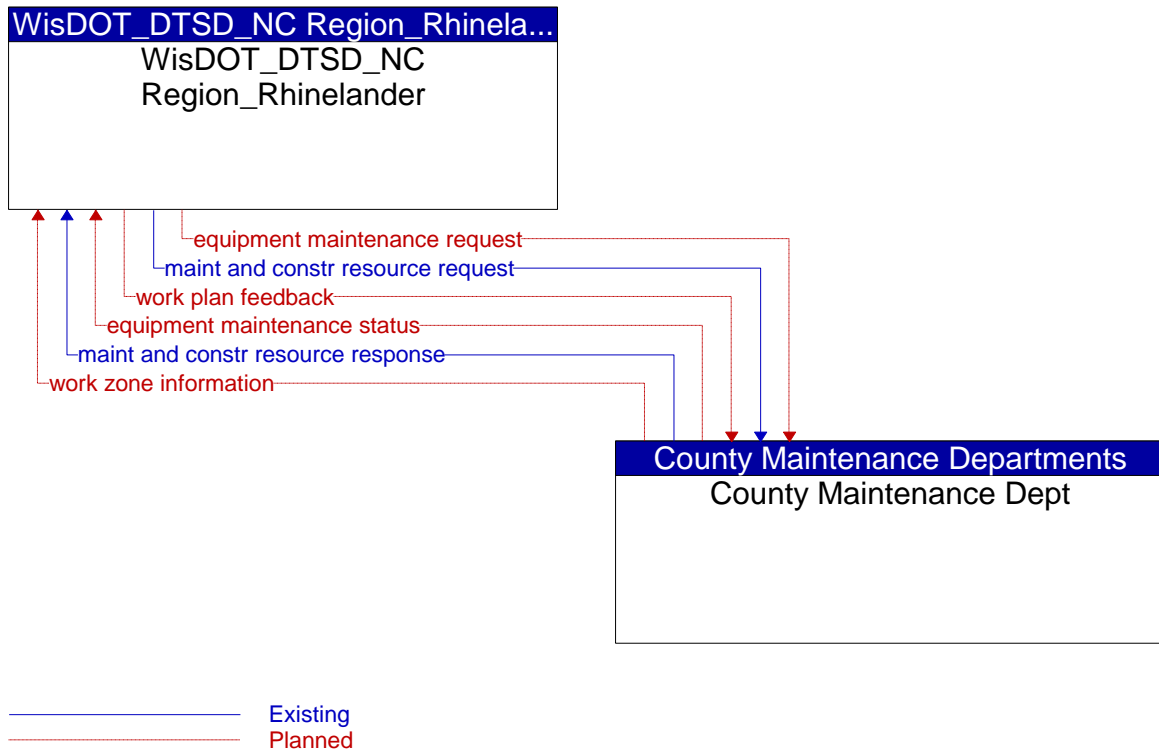


Figure 81: County Maintenance Dept - WisDOT_DTSD_NC Region_Rhineland Interface

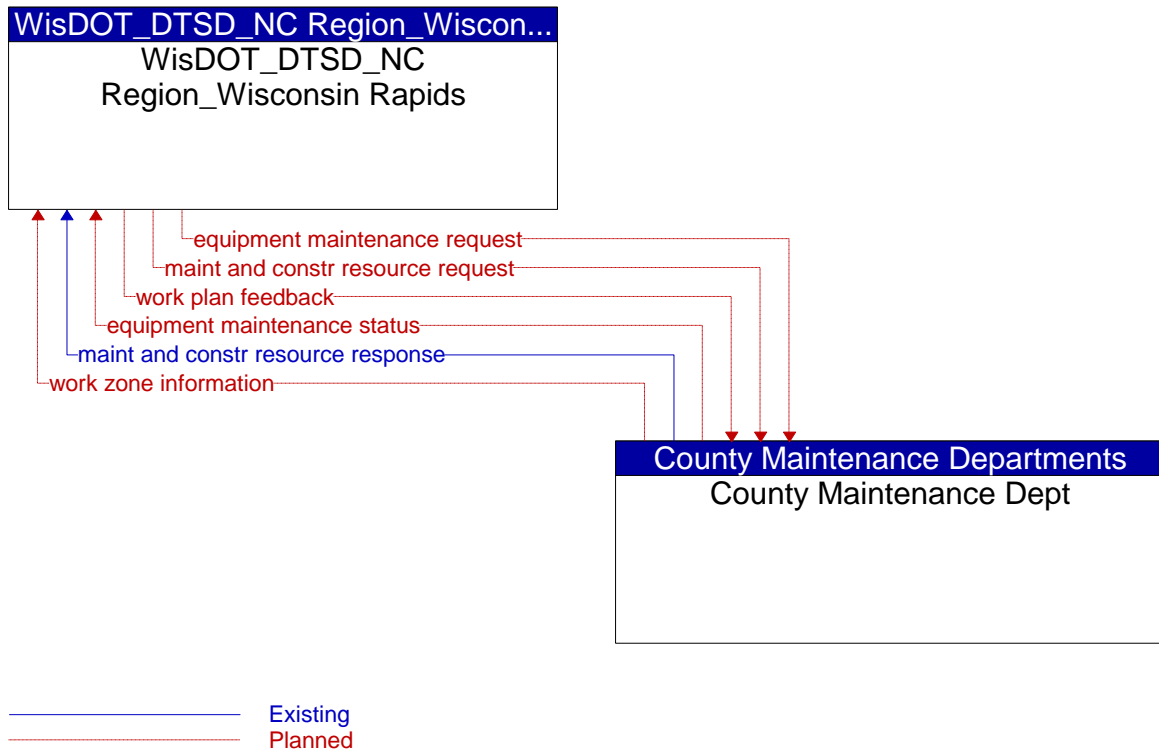


Figure 82: County Maintenance Dept - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

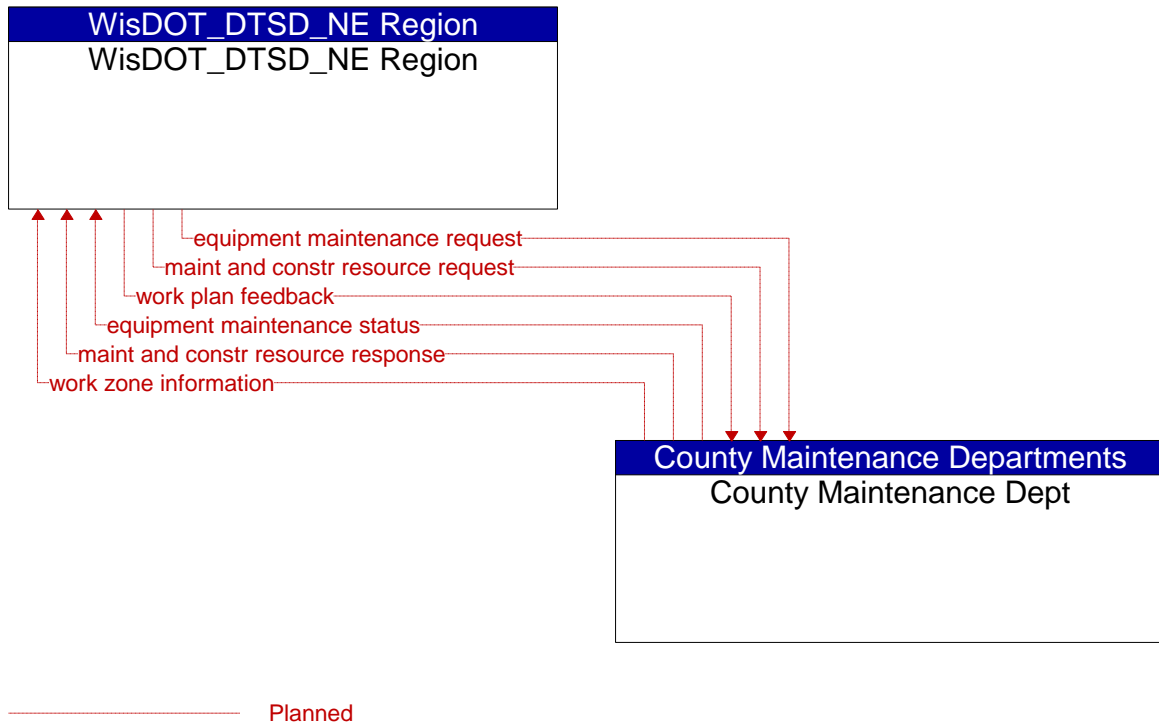


Figure 83: County Maintenance Dept - WisDOT_DTSD_NE Region Interface

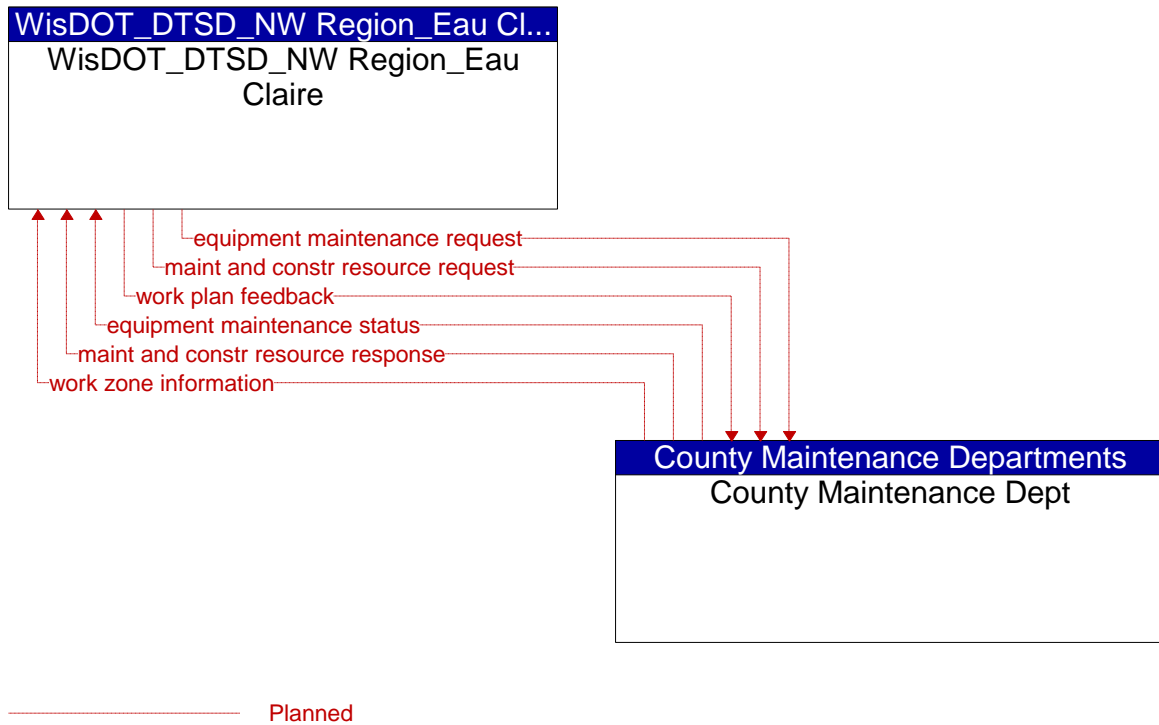
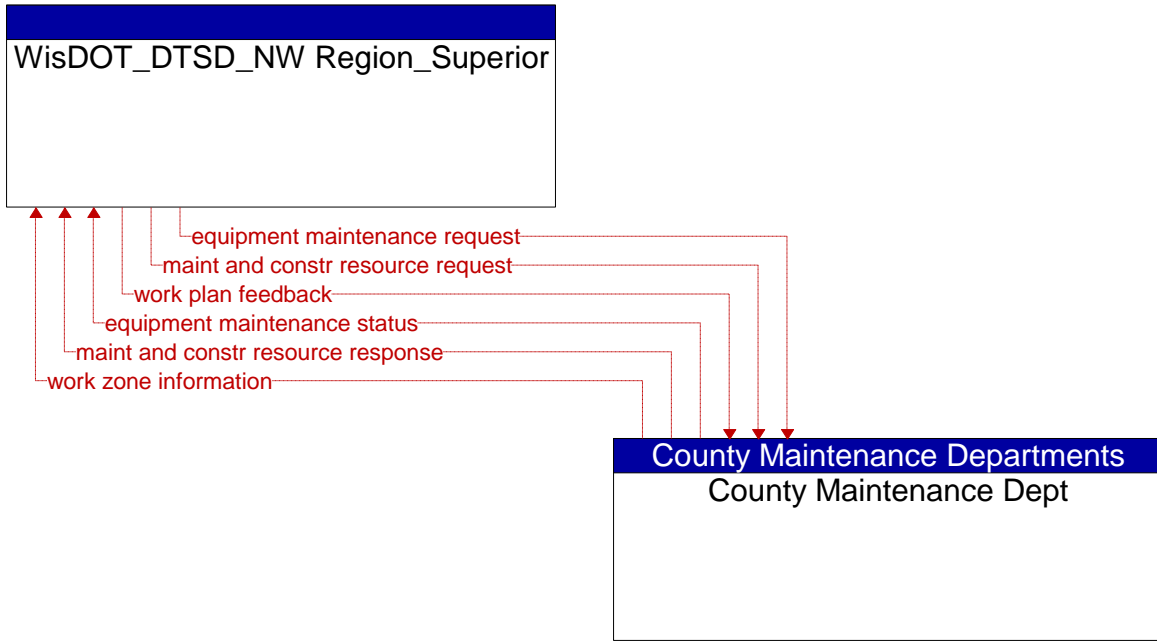


Figure 84: County Maintenance Dept - WisDOT_DTSD_NW Region_Eau Claire Interface



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Figure 85: County Maintenance Dept - WisDOT_DTSD_NW Region_Superior Interface

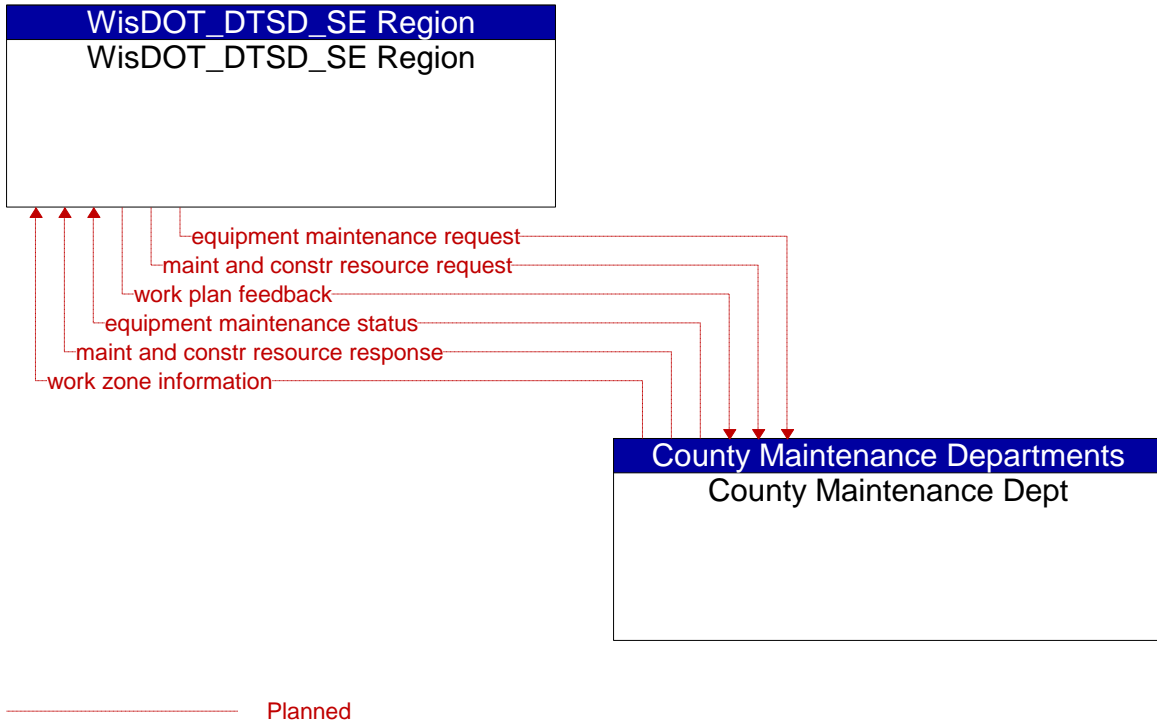


Figure 86: County Maintenance Dept - WisDOT_DTSD_SE Region Interface

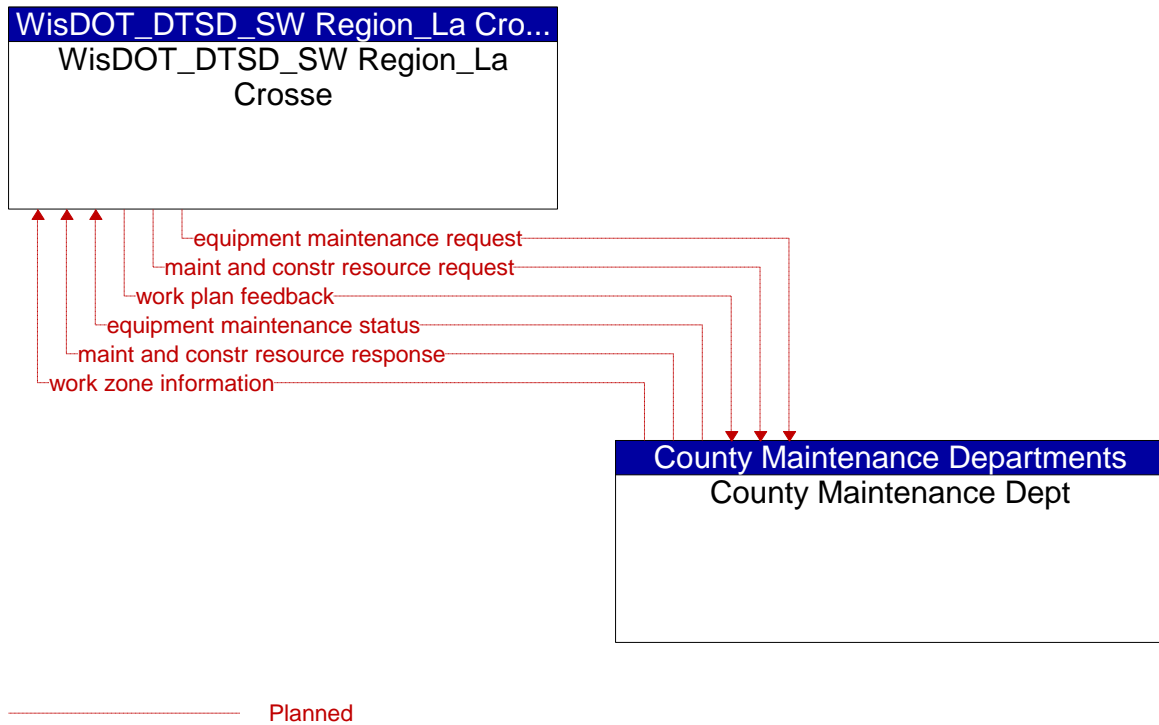


Figure 87: County Maintenance Dept - WisDOT_DTSD_SW Region_La Crosse Interface

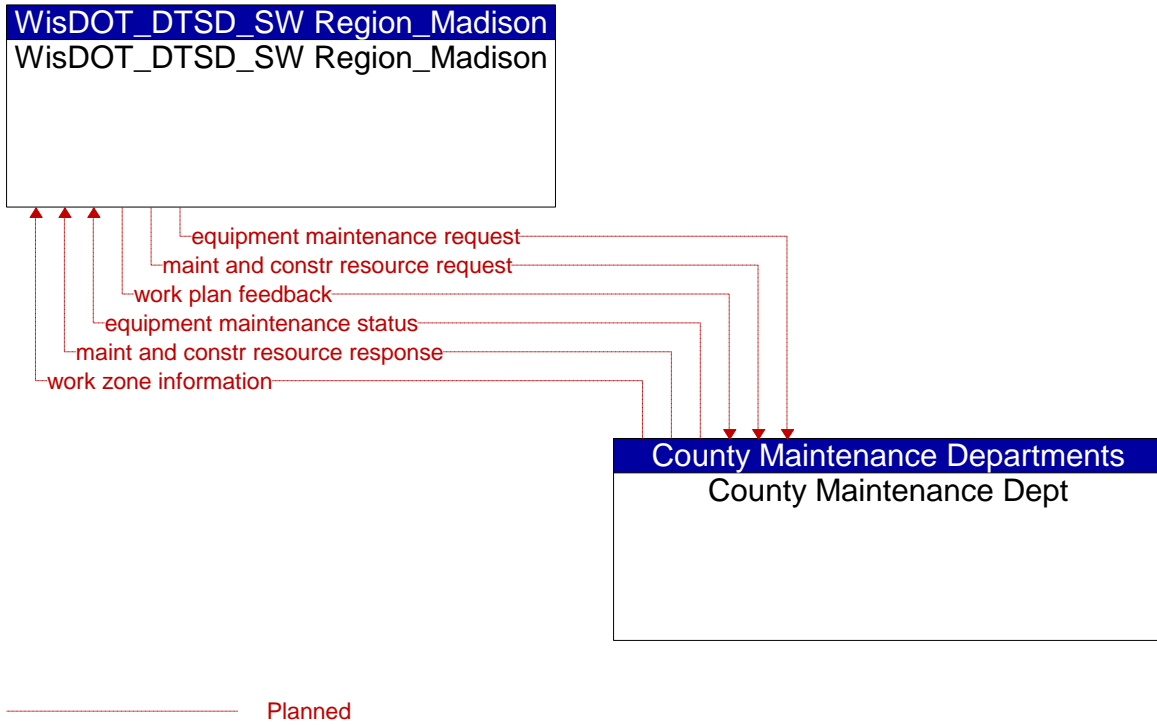


Figure 88: County Maintenance Dept - WisDOT_DTSD_SW Region_Madison Interface

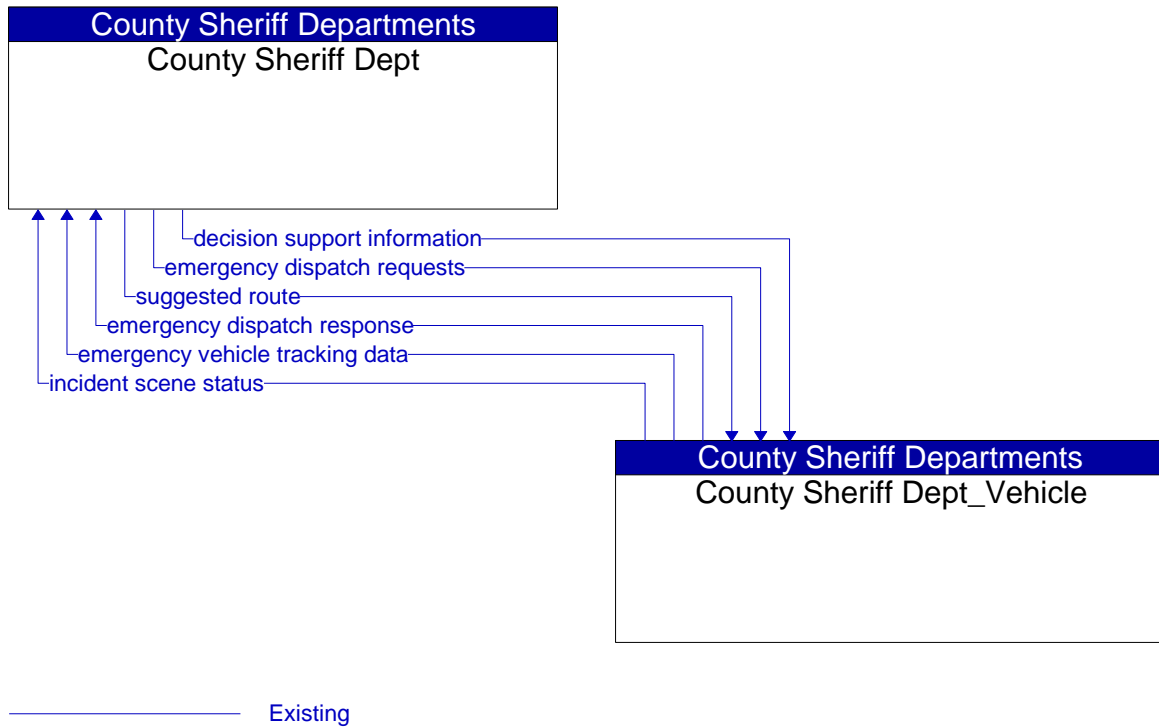


Figure 89: County Sheriff Dept - County Sheriff Dept_Vehicle Interface

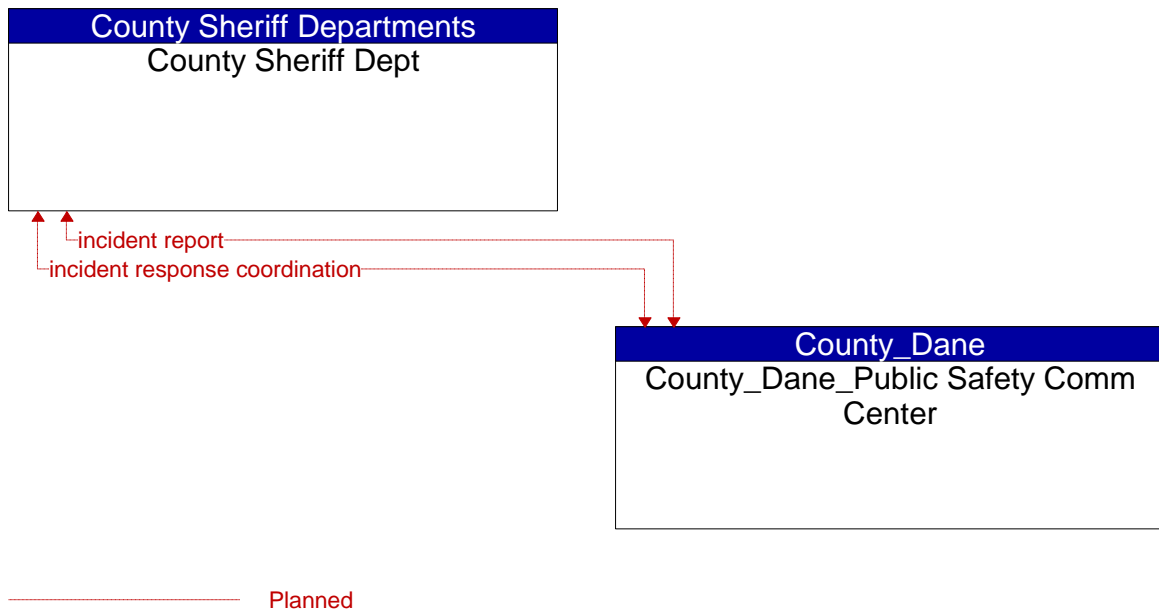


Figure 90: County Sheriff Dept - County_Dane_Public Safety Comm Center Interface

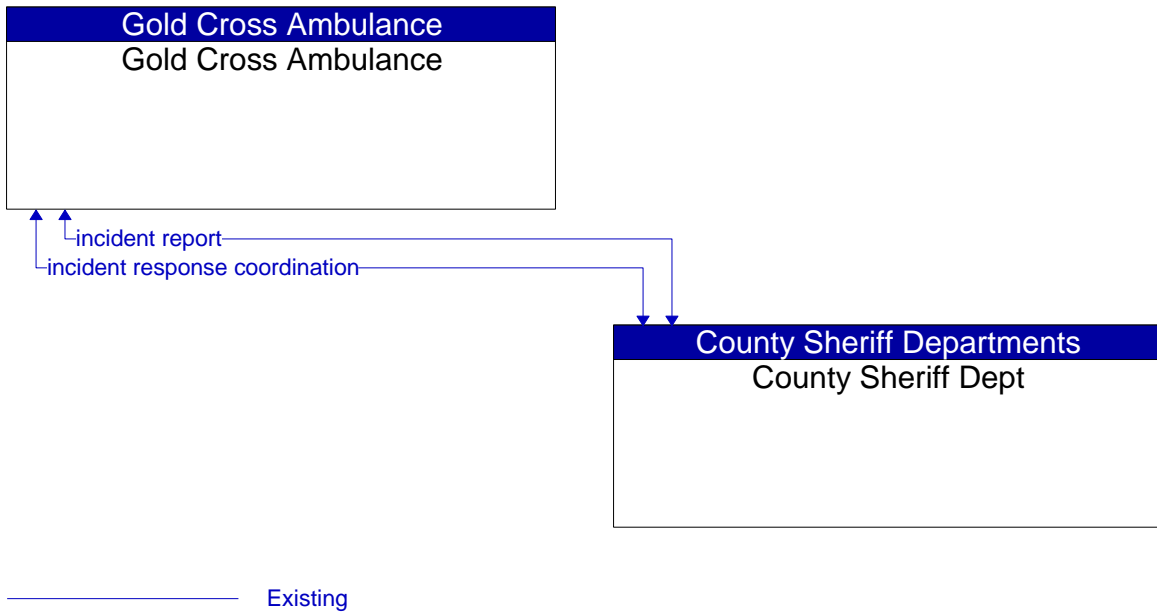


Figure 91: County Sheriff Dept - Gold Cross Ambulance Interface

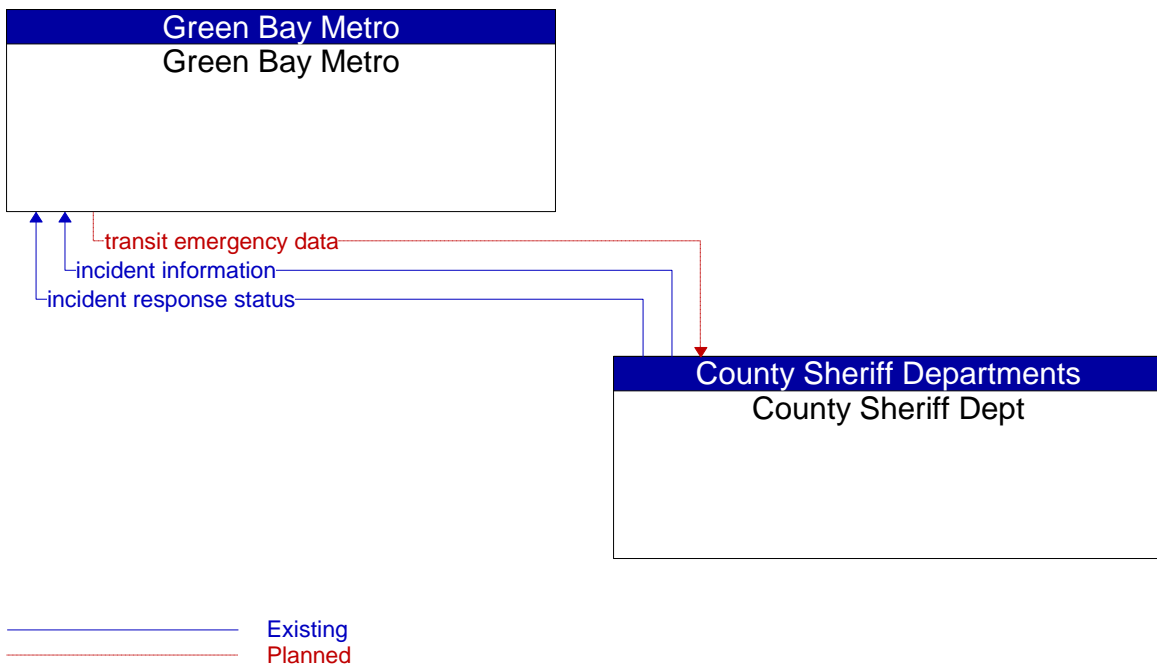


Figure 92: County Sheriff Dept - Green Bay Metro Interface

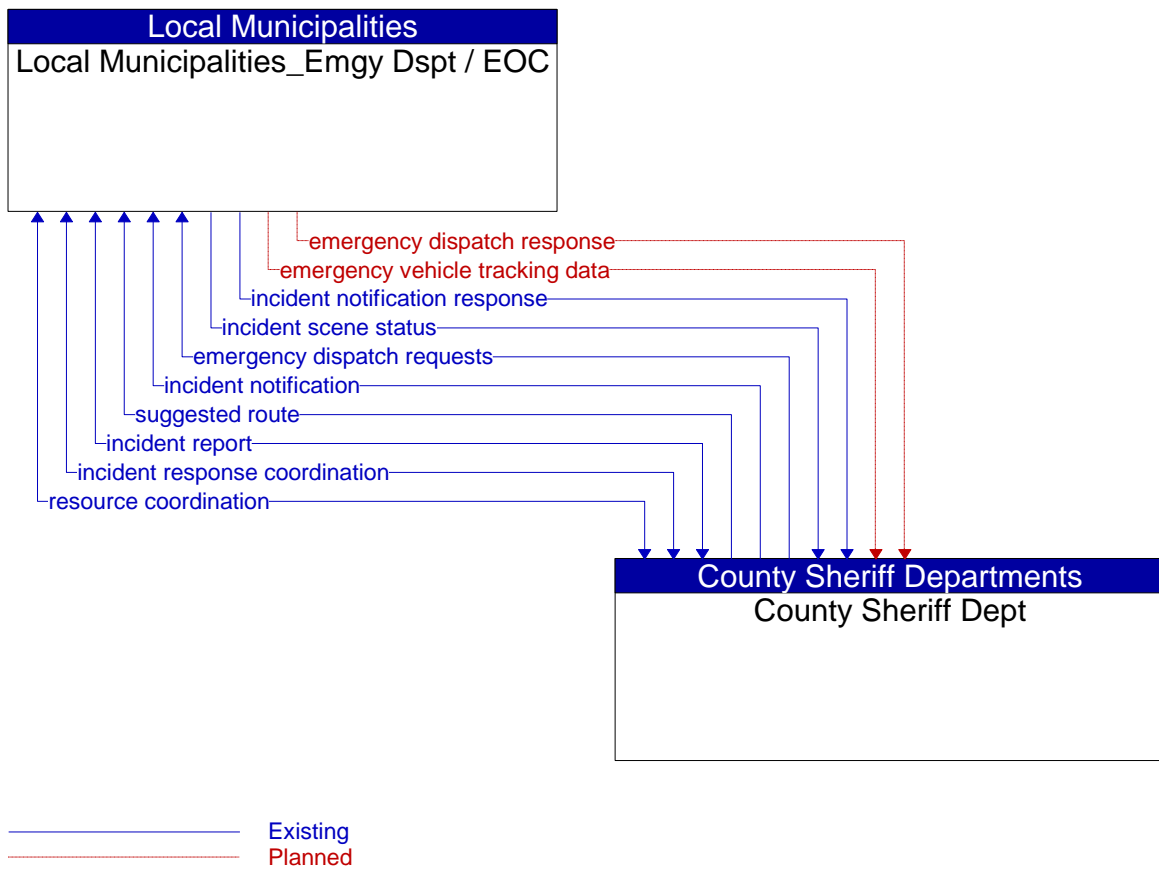


Figure 93: County Sheriff Dept - Local Municipalities_Emgd Dspt / EOC Interface

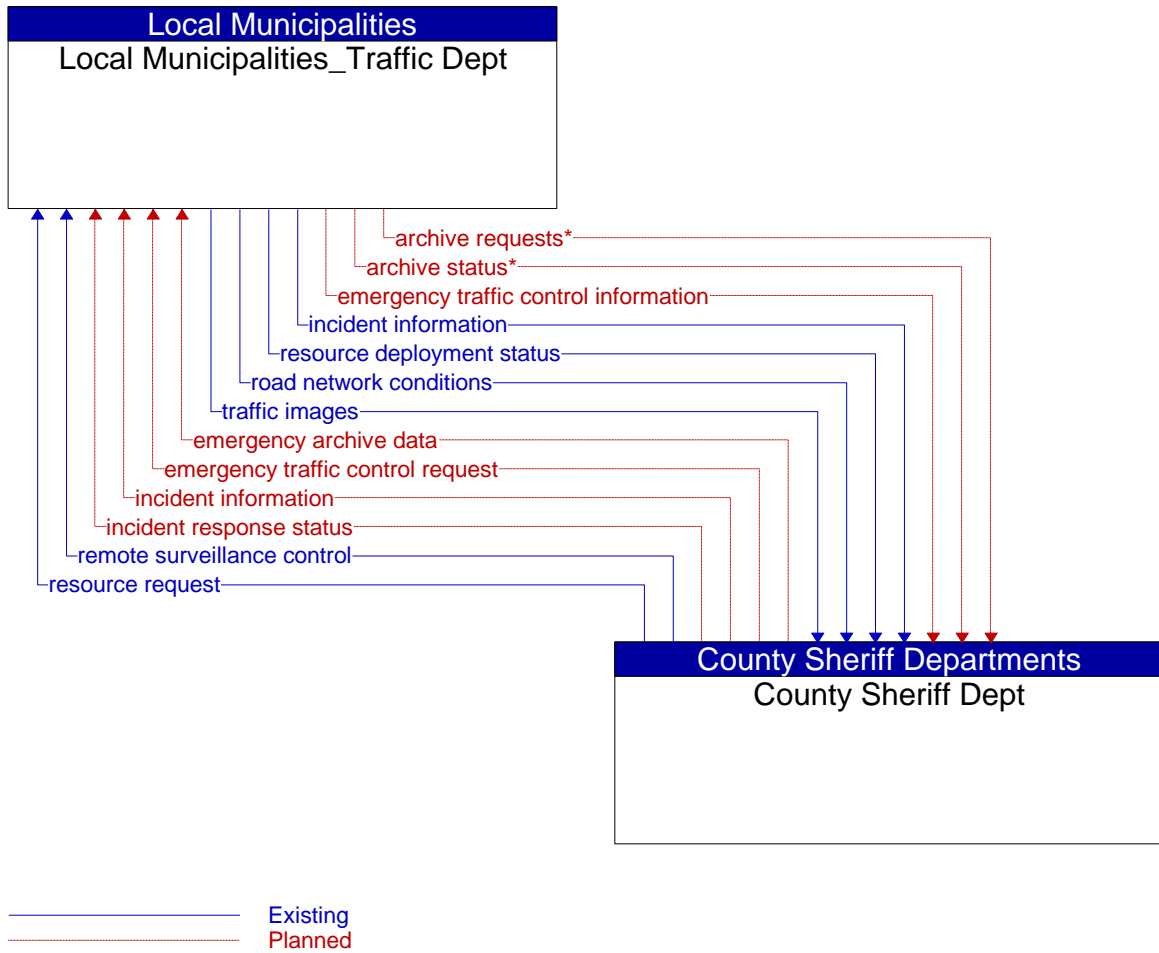


Figure 94: County Sheriff Dept - Local Municipalities_Traffic Dept Interface

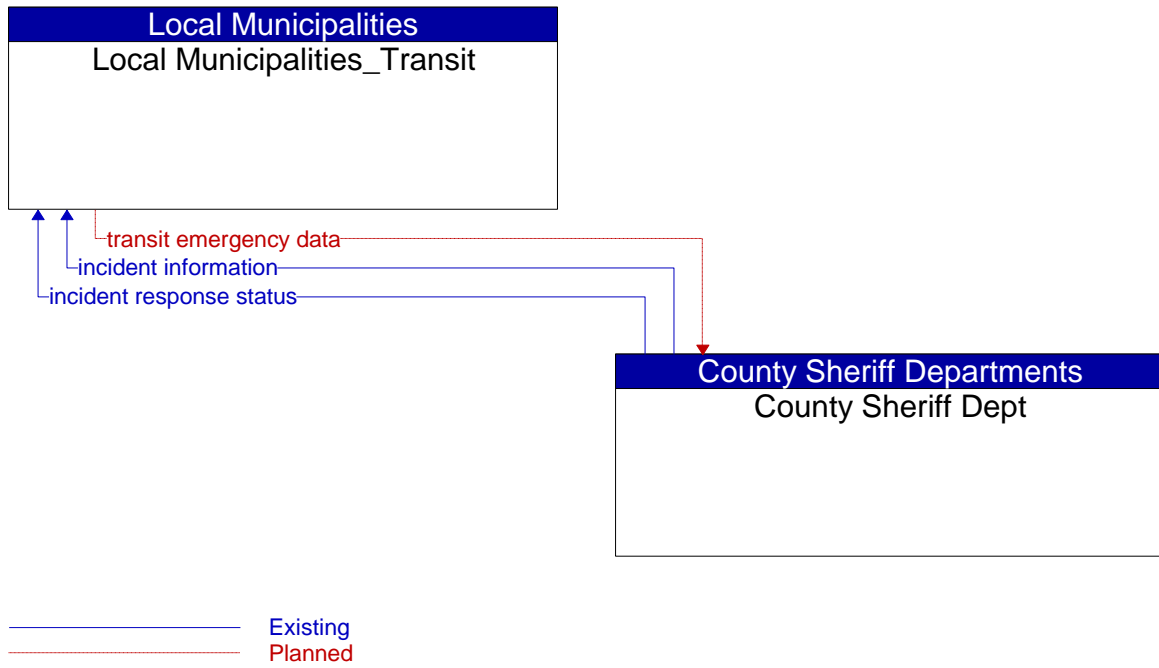


Figure 95: County Sheriff Dept - Local Municipalities_Transit Interface

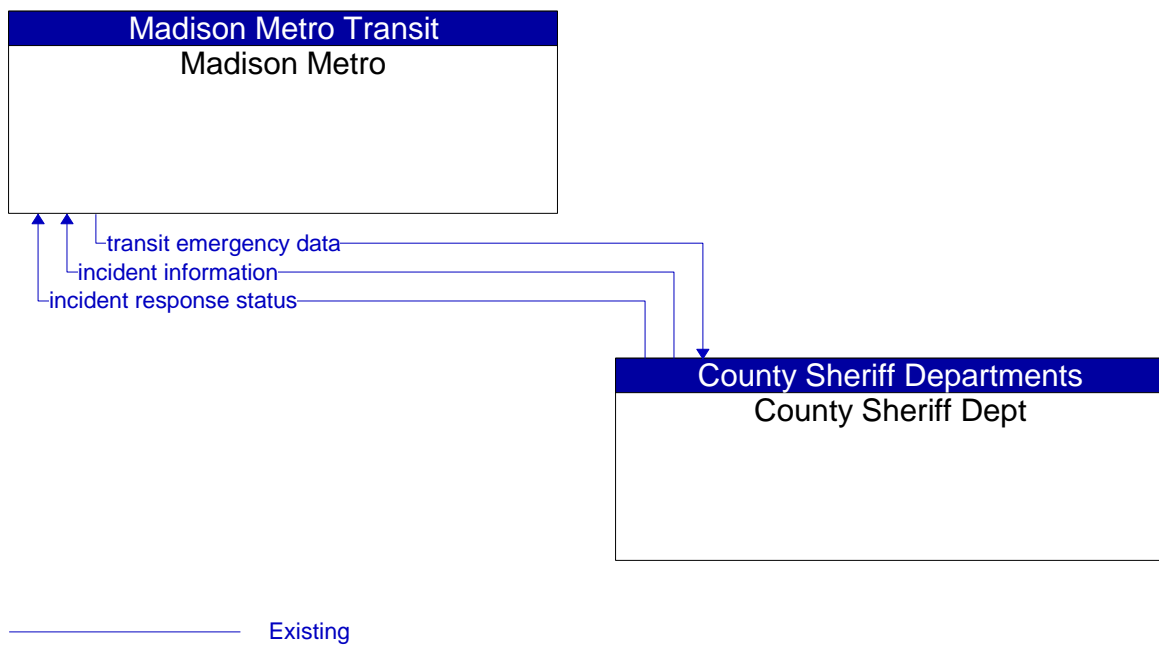


Figure 96: County Sheriff Dept - Madison Metro Interface

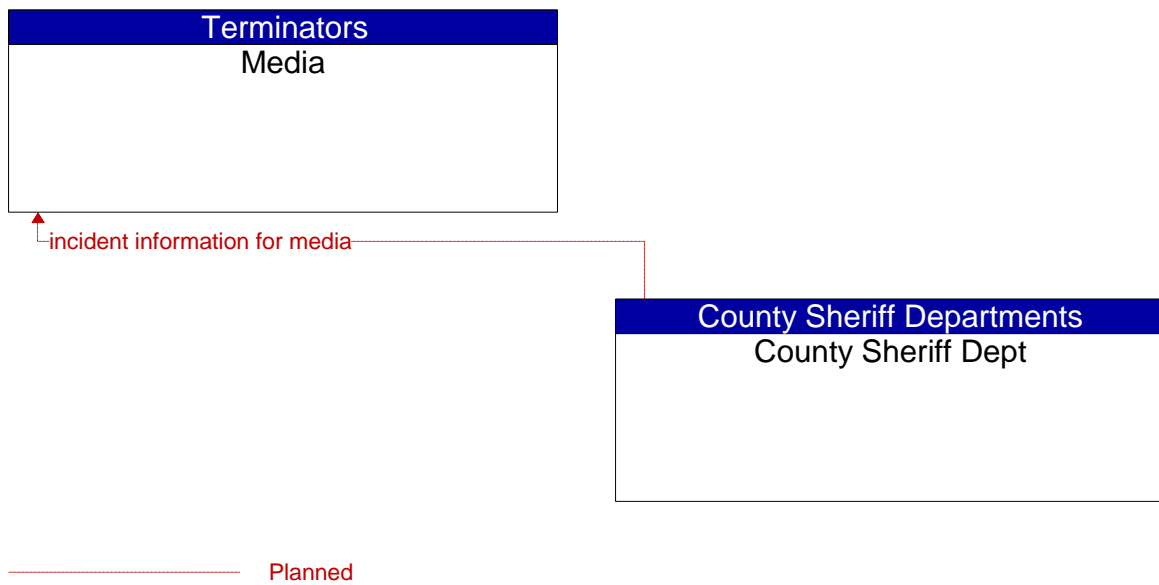


Figure 97: County Sheriff Dept - Media Interface

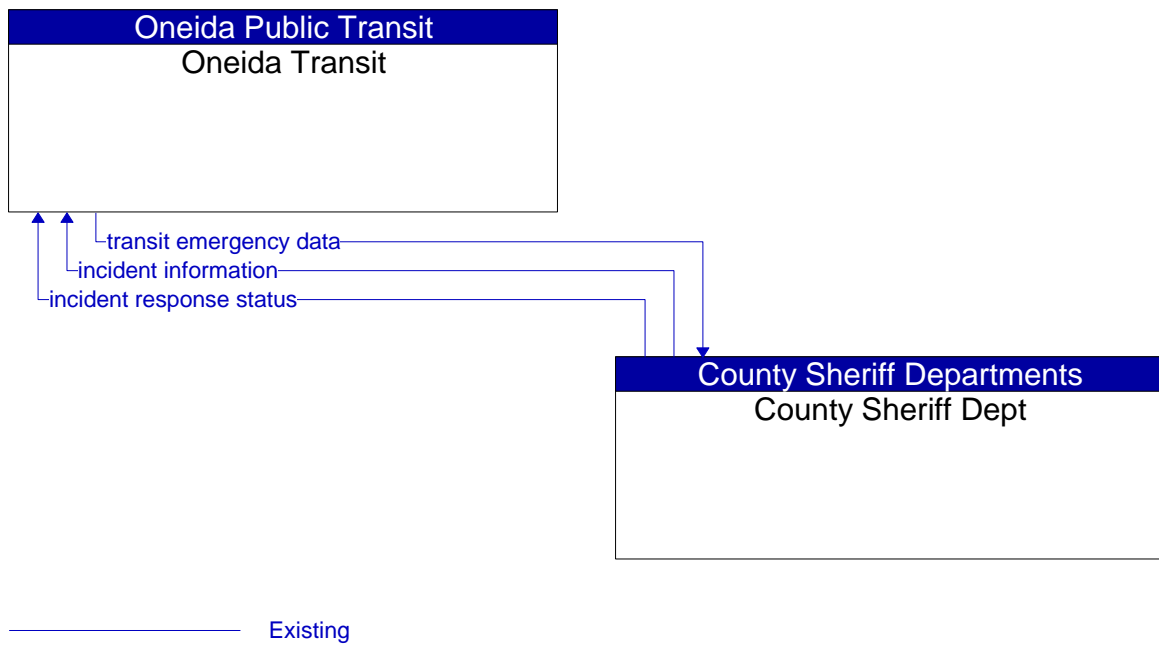


Figure 98: County Sheriff Dept - Oneida Transit Interface

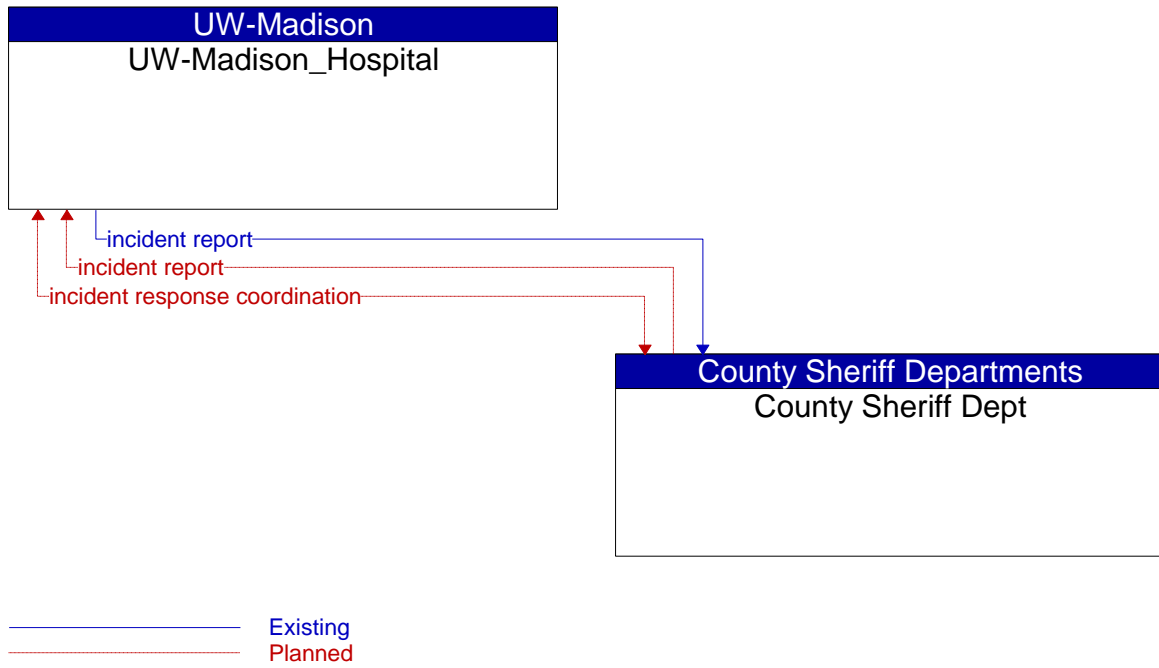


Figure 99: County Sheriff Dept - UW-Madison_Hospital Interface

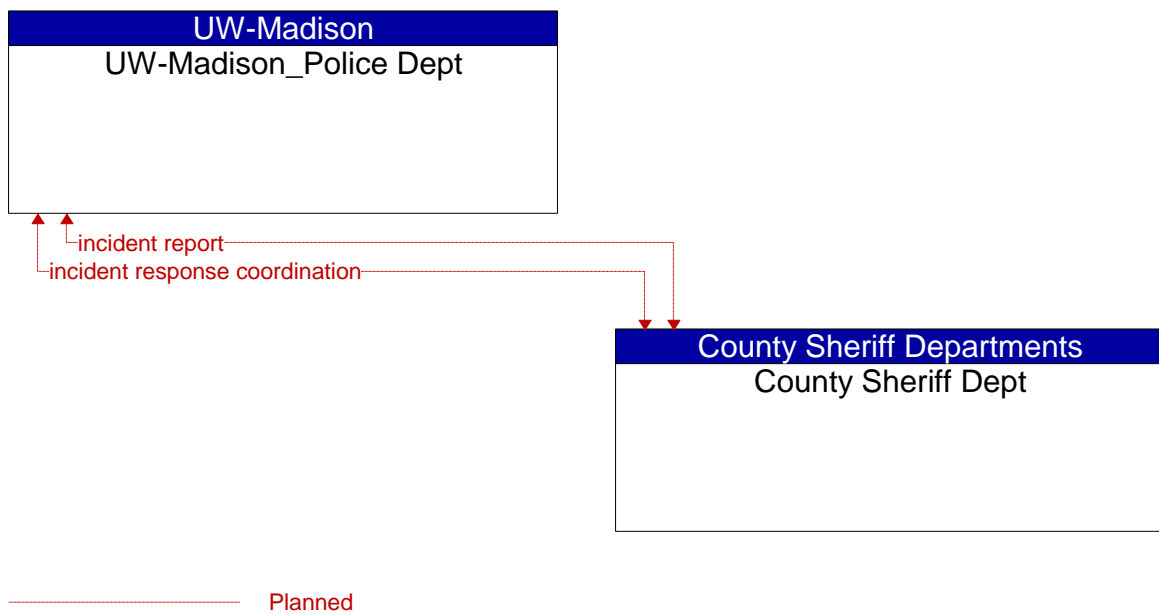


Figure 100: County Sheriff Dept - UW-Madison_Police Dept Interface

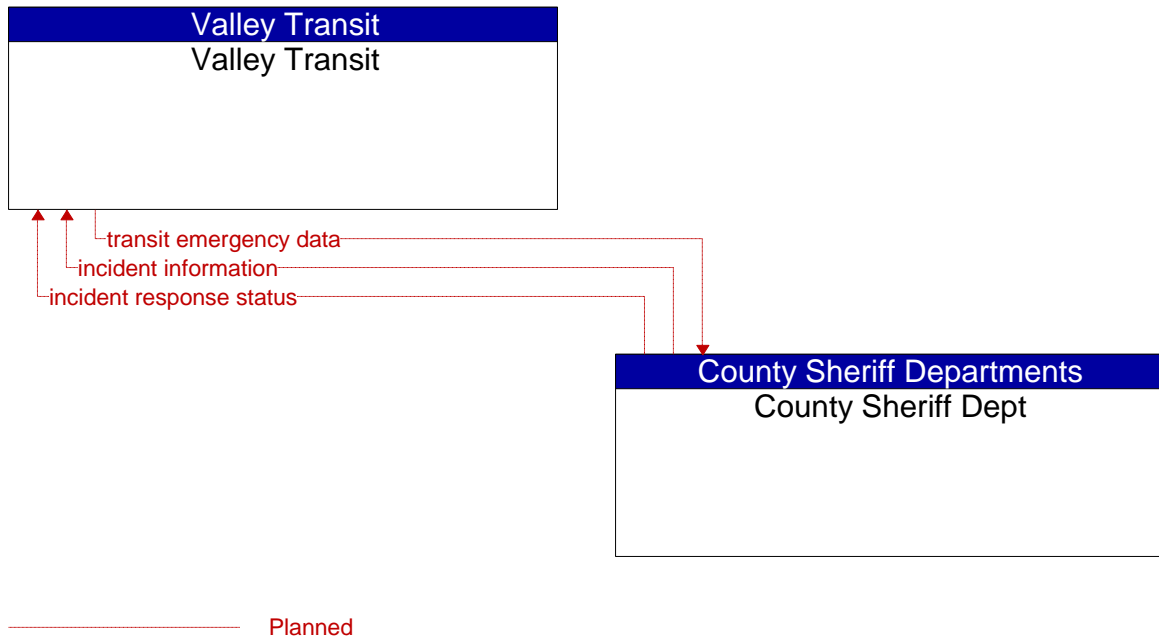


Figure 101: County Sheriff Dept - Valley Transit Interface

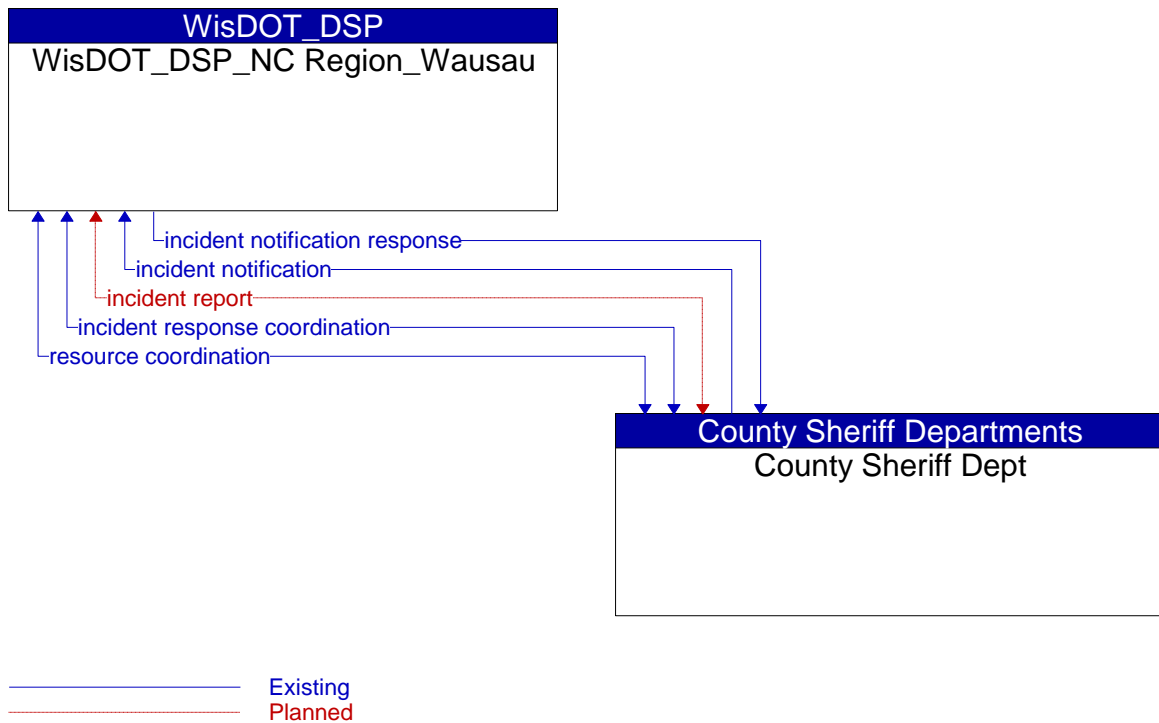


Figure 102: County Sheriff Dept - WisDOT_DSP_NC Region_Wausau Interface

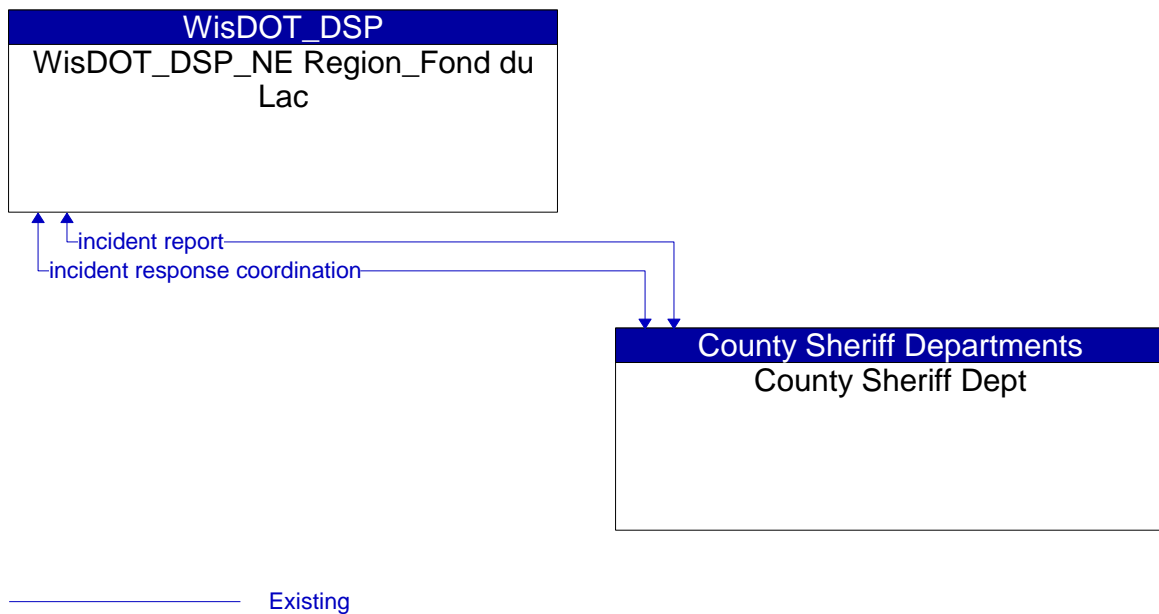


Figure 103: County Sheriff Dept - WisDOT_DSP_NE Region_Fond du Lac Interface

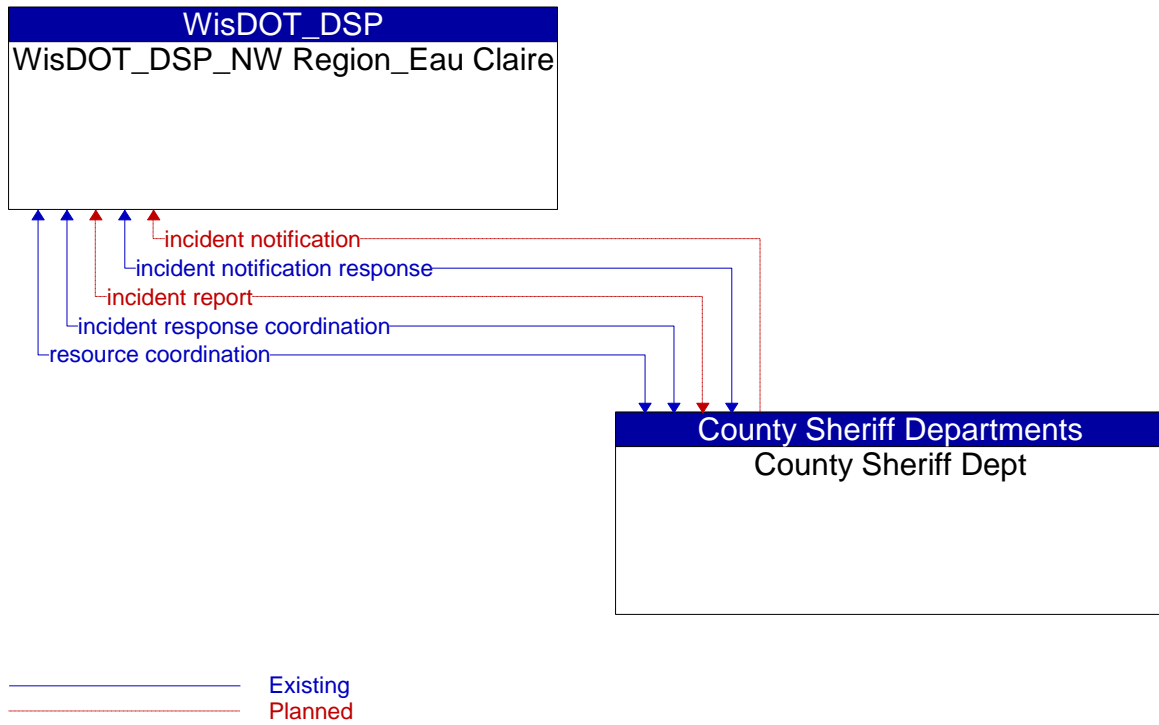


Figure 104: County Sheriff Dept - WisDOT_DSP_NW Region_Eau Claire Interface

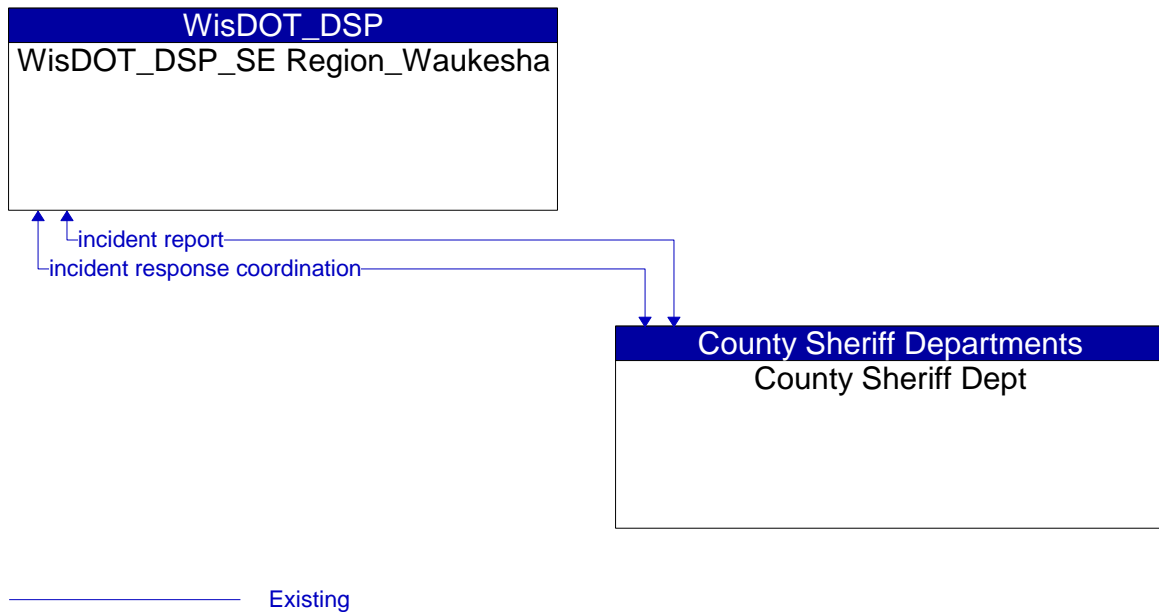


Figure 105: County Sheriff Dept - WisDOT_DSP_SE Region_Waukesha Interface

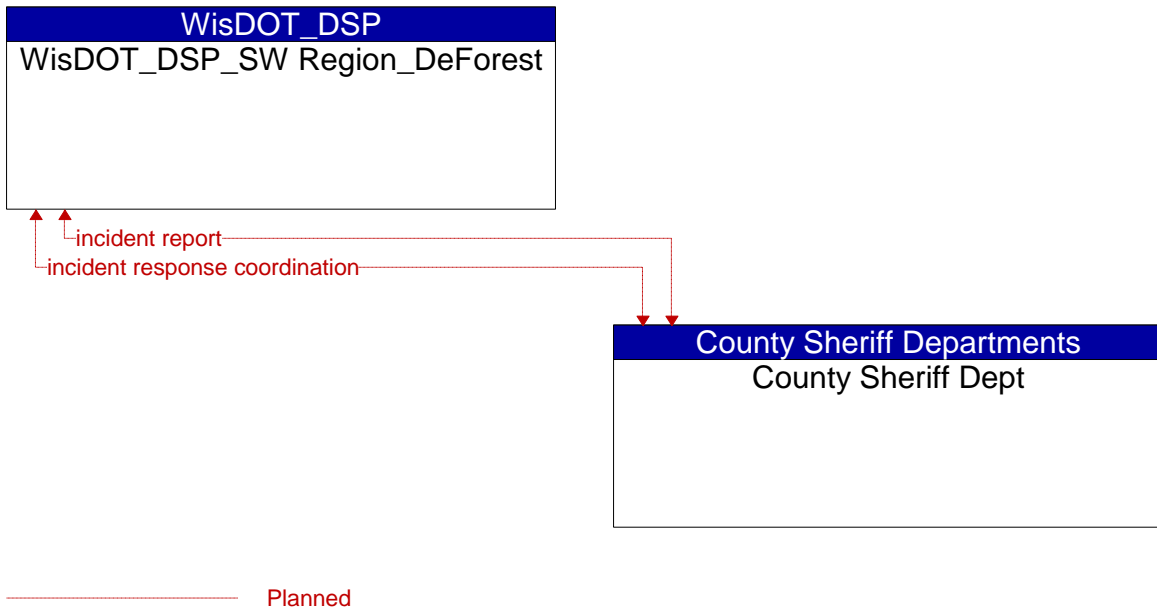


Figure 106: County Sheriff Dept - WisDOT_DSP_SW Region_DeForest Interface

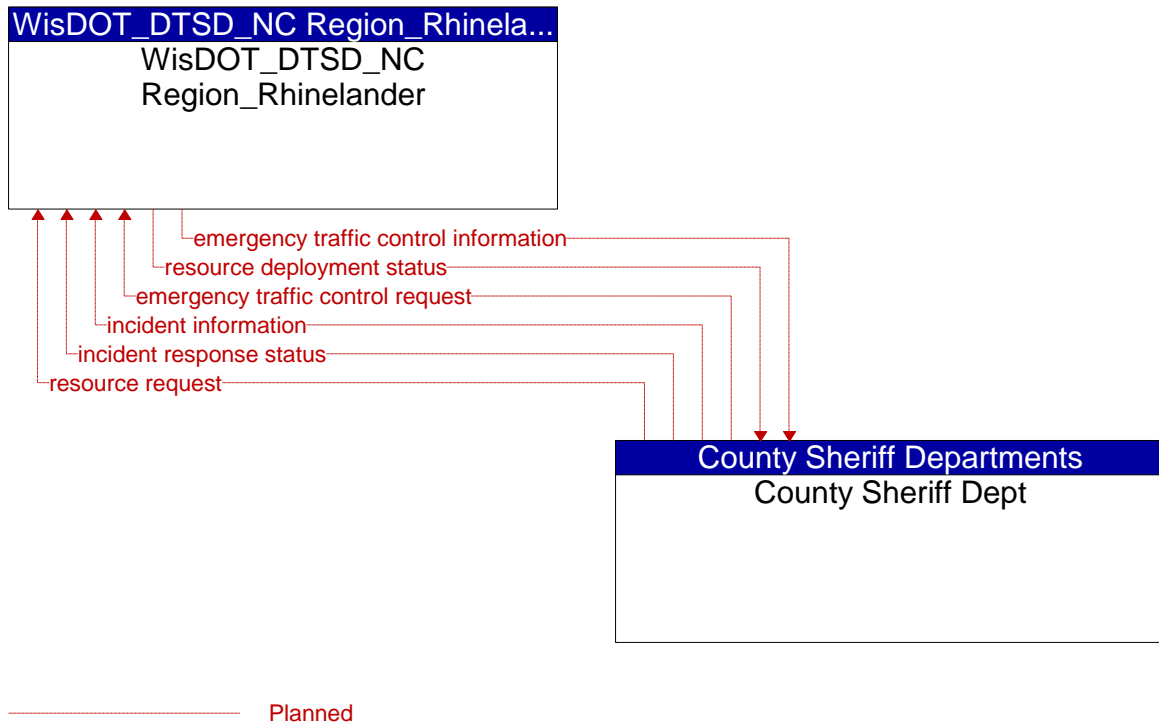


Figure 107: County Sheriff Dept - WisDOT_DTSD_NC Region_Rhineland Interface

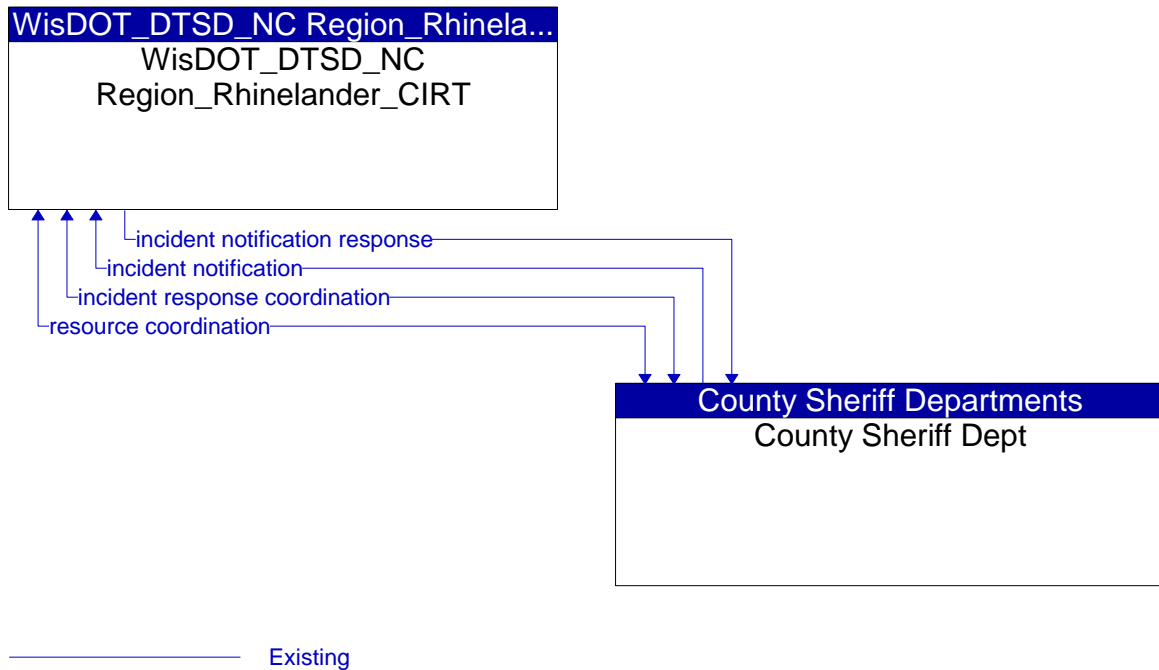


Figure 108: County Sheriff Dept - WisDOT_DTSD_NC Region_Rhineland_CIRT Interface

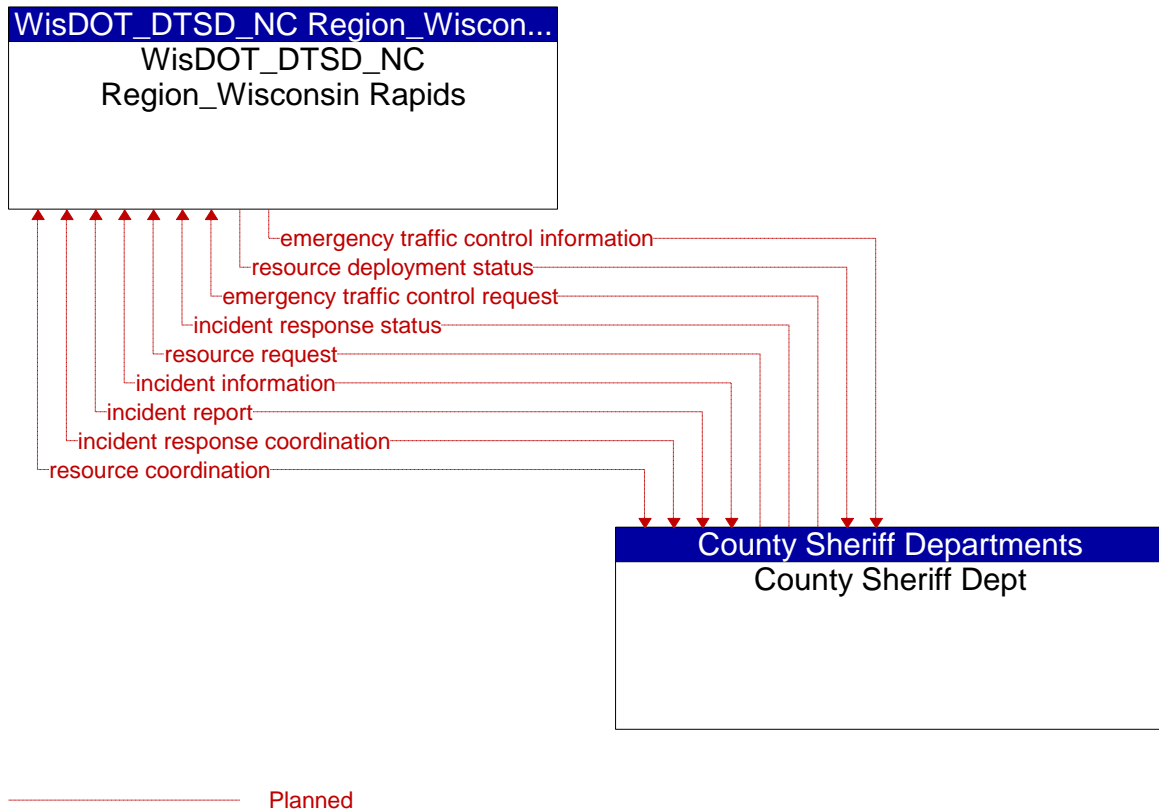


Figure 109: County Sheriff Dept - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

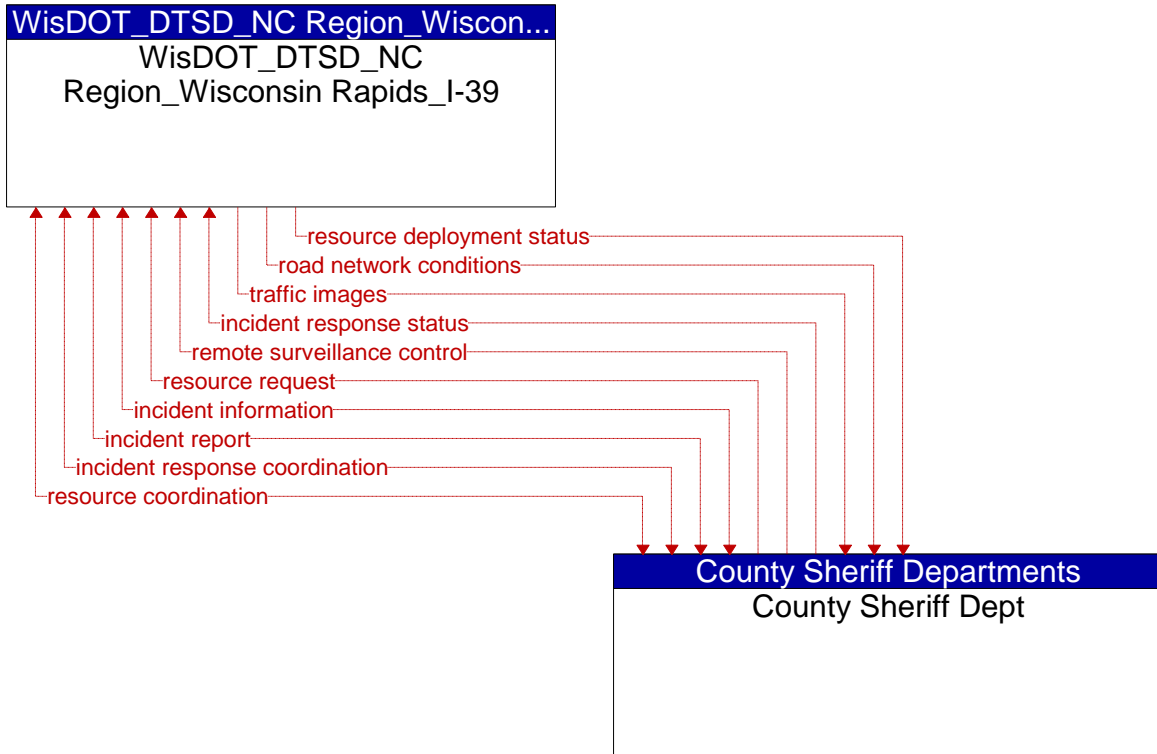


Figure 110: County Sheriff Dept - WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 Interface

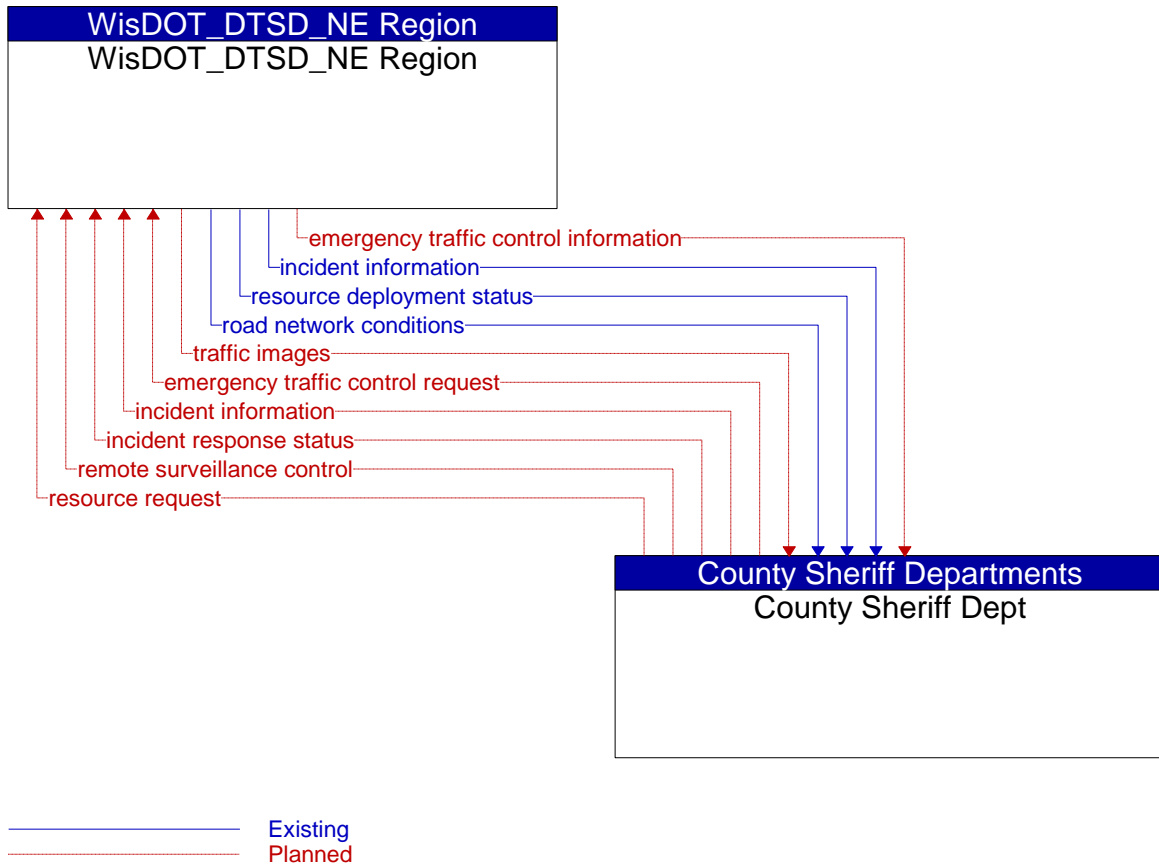


Figure 111: County Sheriff Dept - WisDOT_DTSD_NE Region Interface

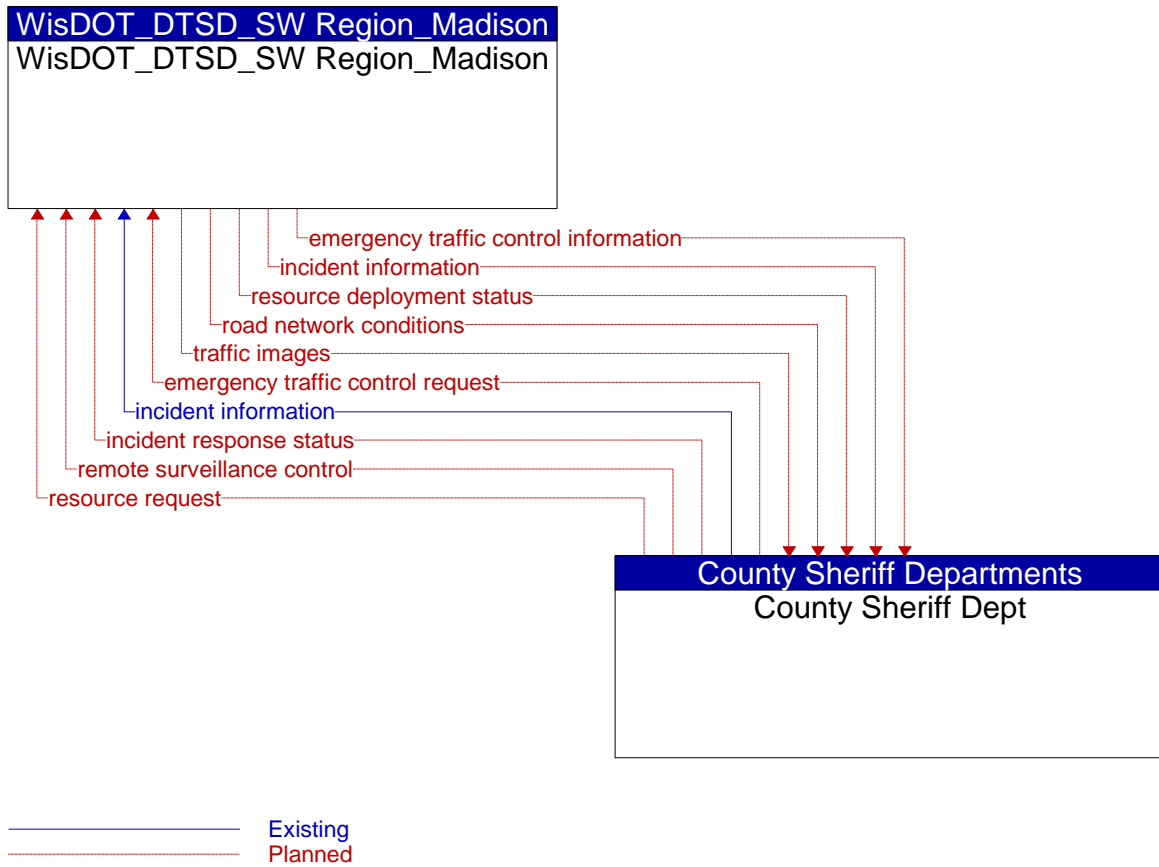


Figure 112: County Sheriff Dept - WisDOT_DTSD_SW Region_Madison Interface

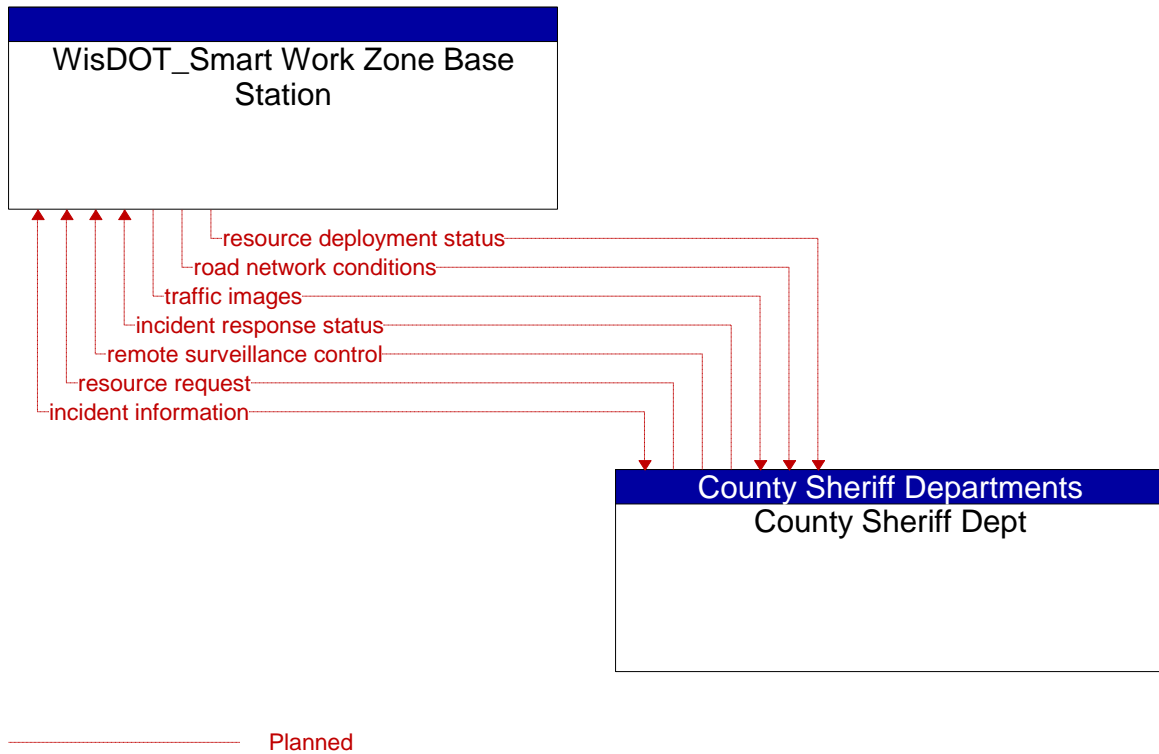


Figure 113: County Sheriff Dept - WisDOT_Smart Work Zone Base Station Interface

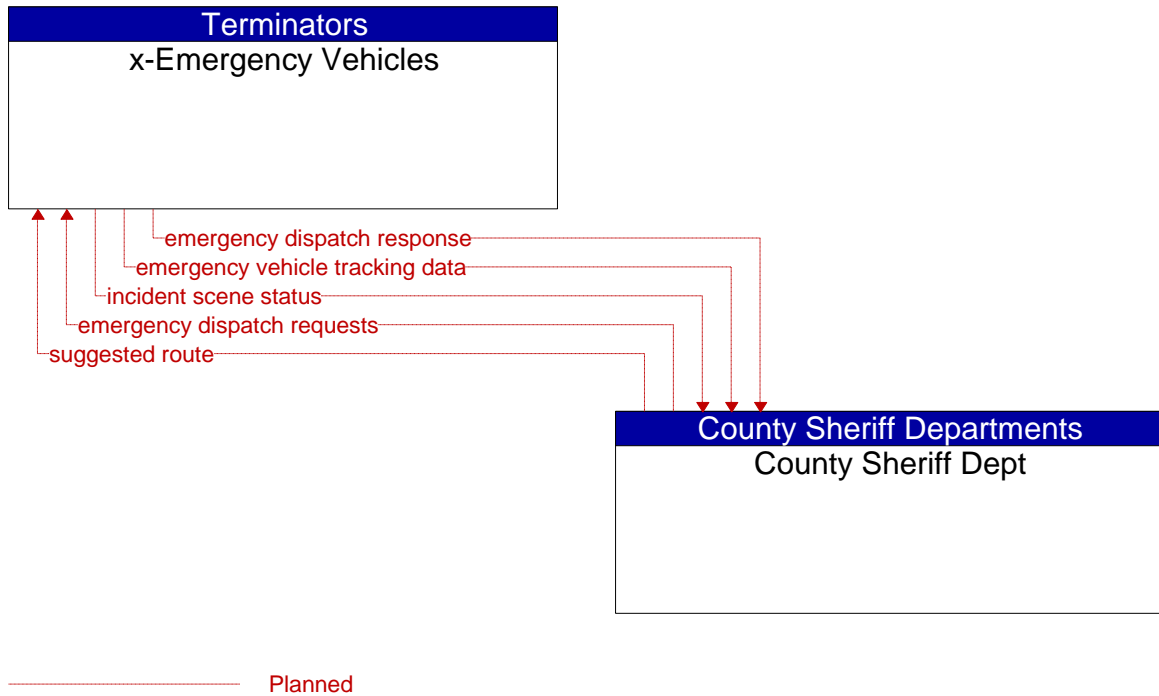


Figure 114: County Sheriff Dept - x-Emergency Vehicles Interface

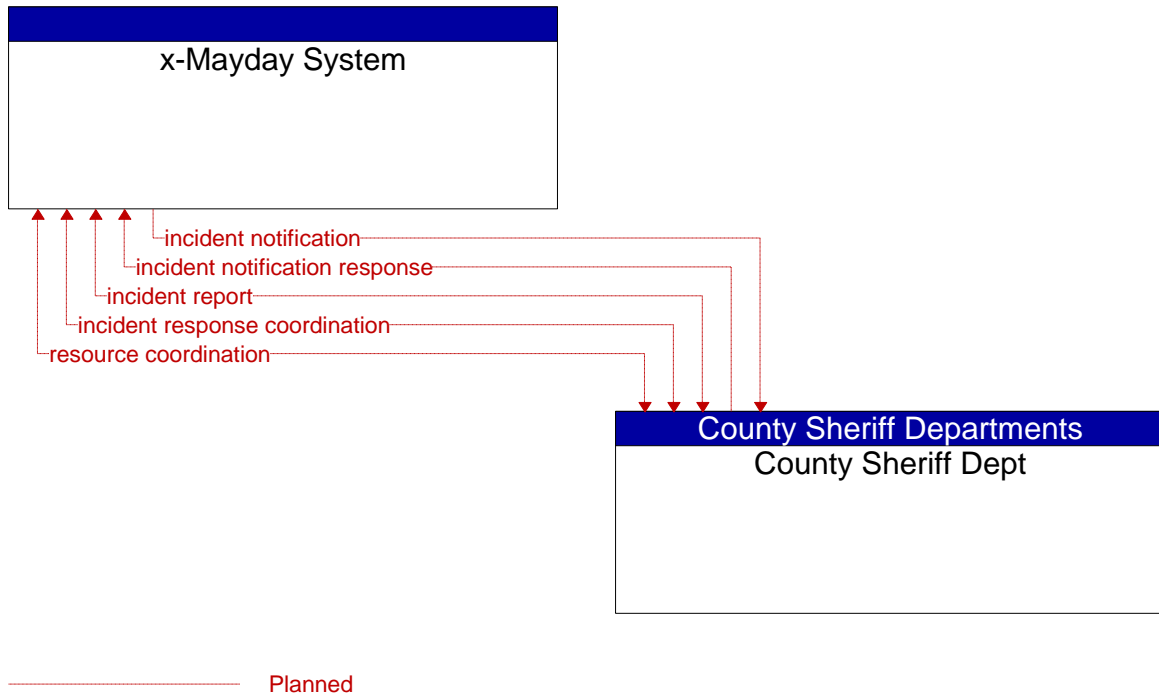


Figure 115: County Sheriff Dept - x-Mayday System Interface

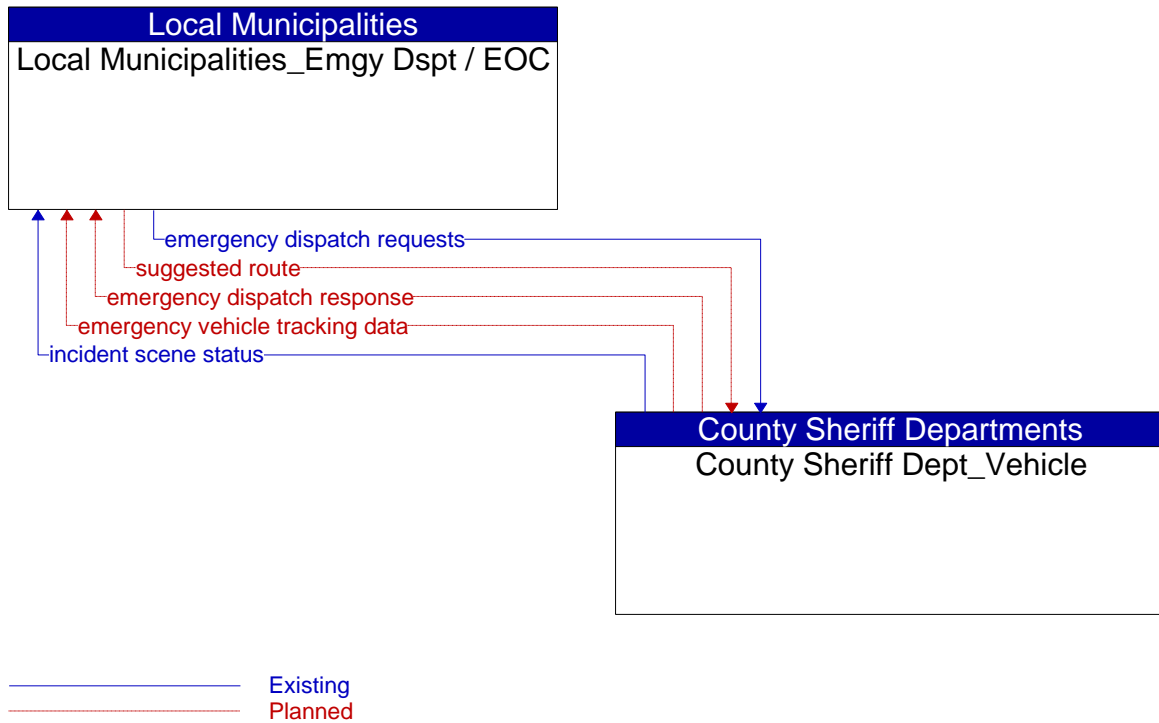


Figure 116: County Sheriff Dept_Vehicle - Local Municipalities_Emg Dspt / EOC Interface

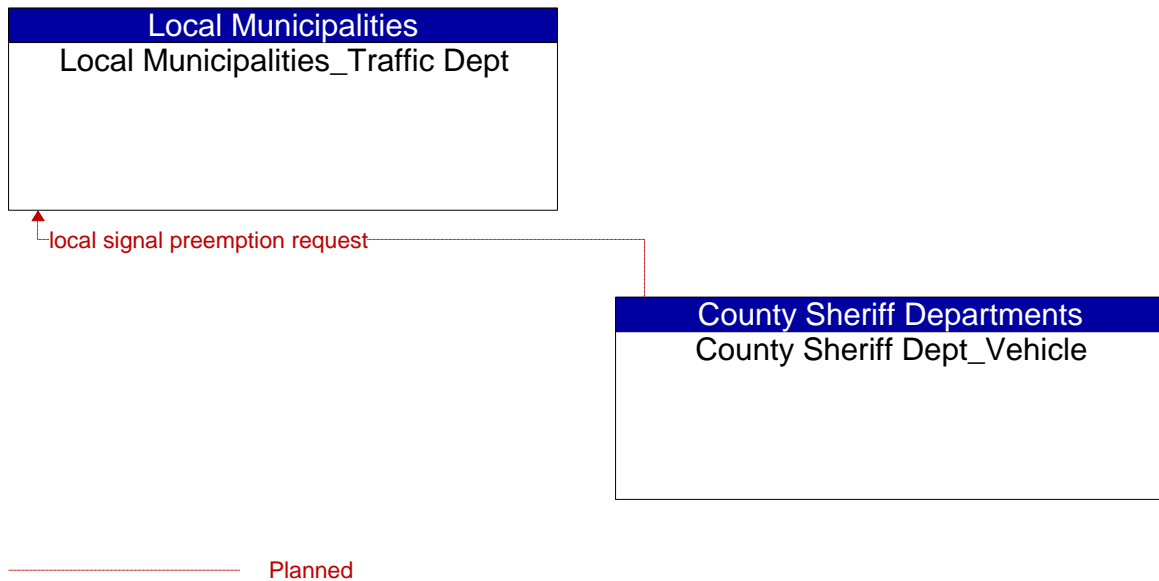


Figure 117: County Sheriff Dept_Vehicle - Local Municipalities_Traffic Dept Interface

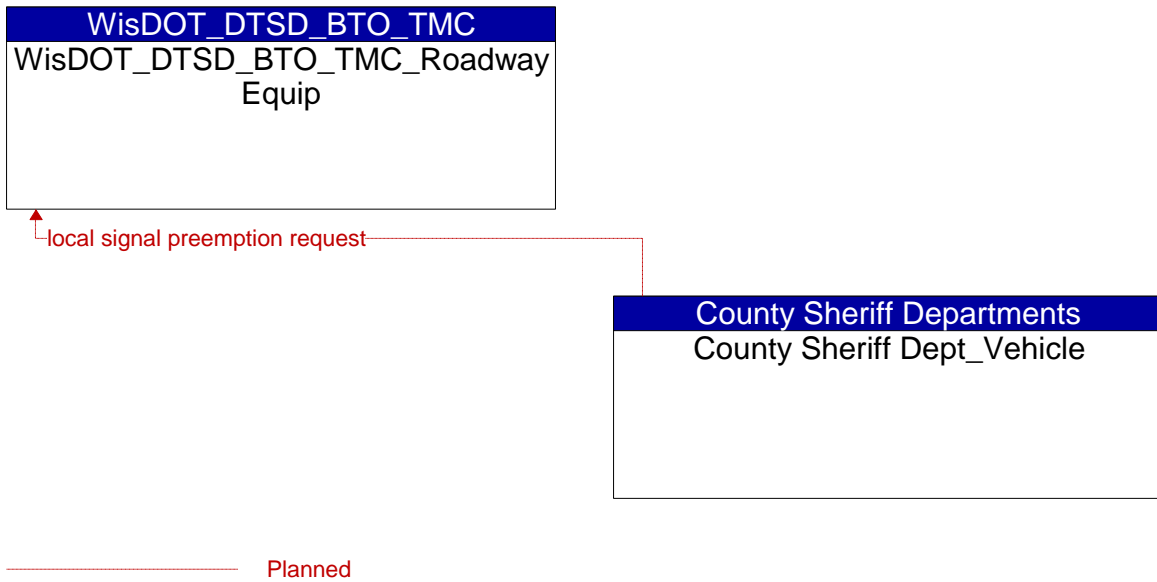


Figure 118: County Sheriff Dept_Vehicle - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

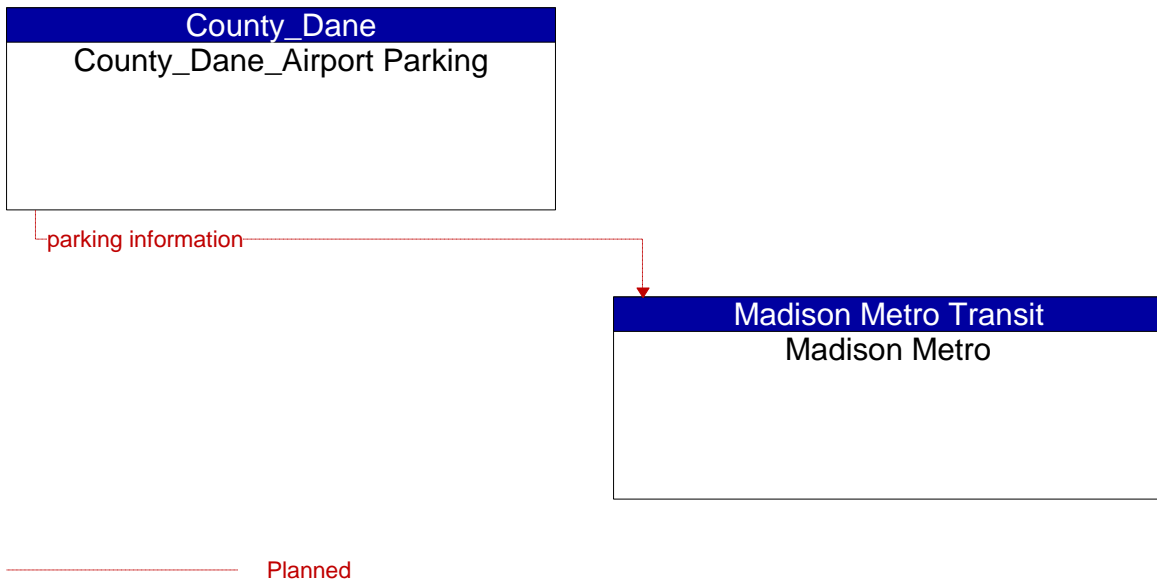


Figure 119: County_Dane_Airport Parking - Madison Metro Interface

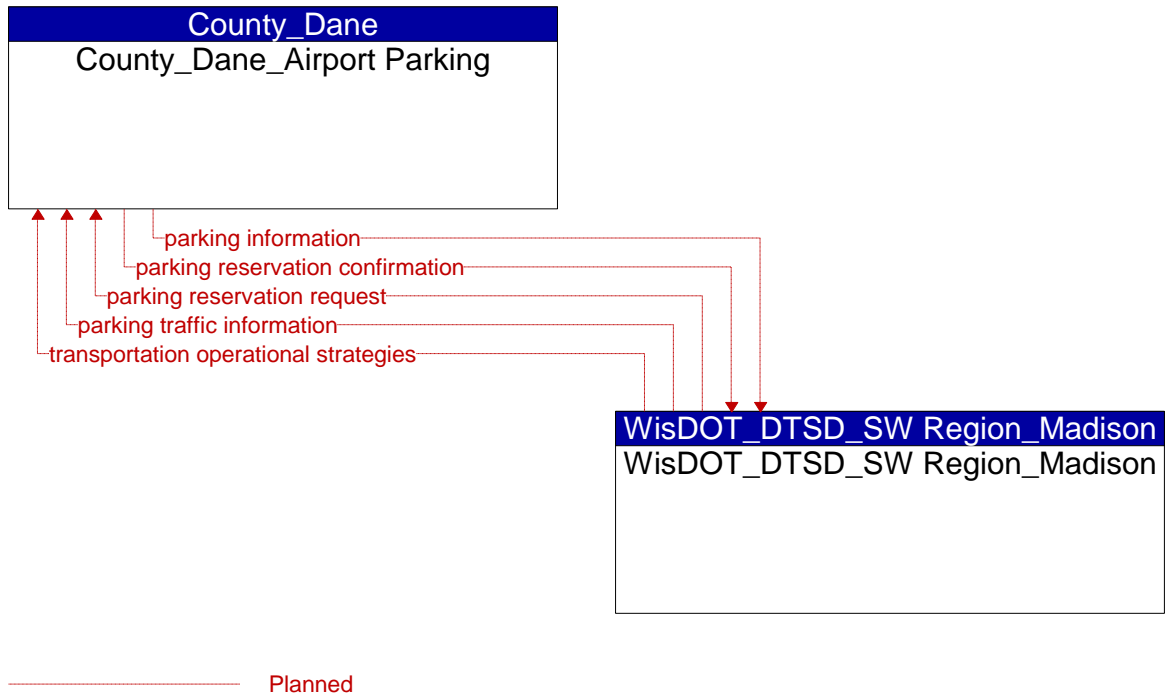


Figure 120: County_Dane_Airport Parking - WisDOT_DTSD_SW Region_Madison Interface

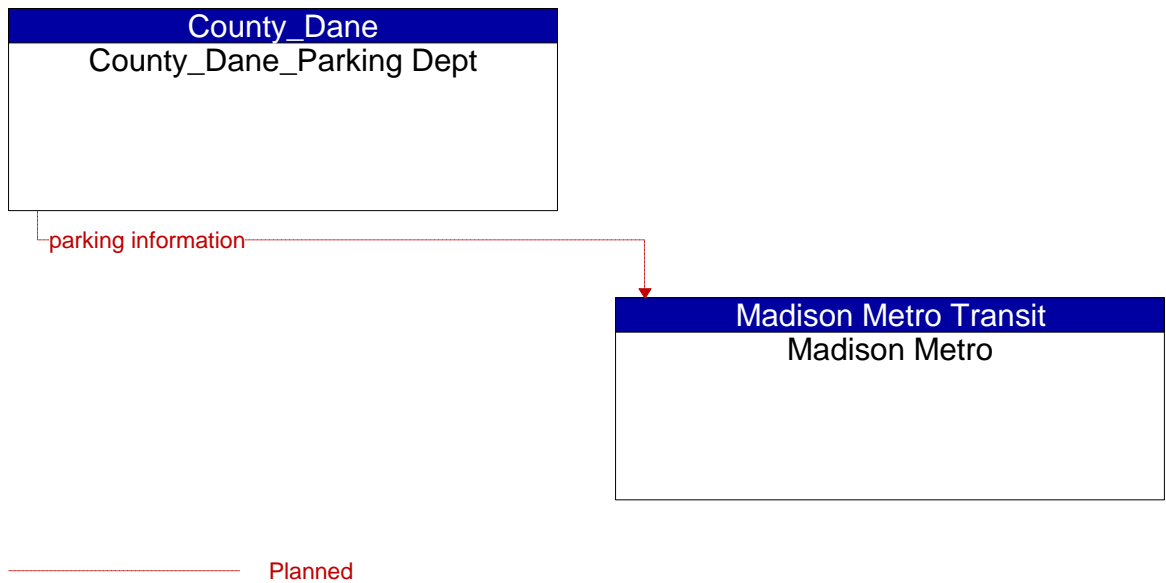


Figure 121: County_Dane_Parking Dept - Madison Metro Interface

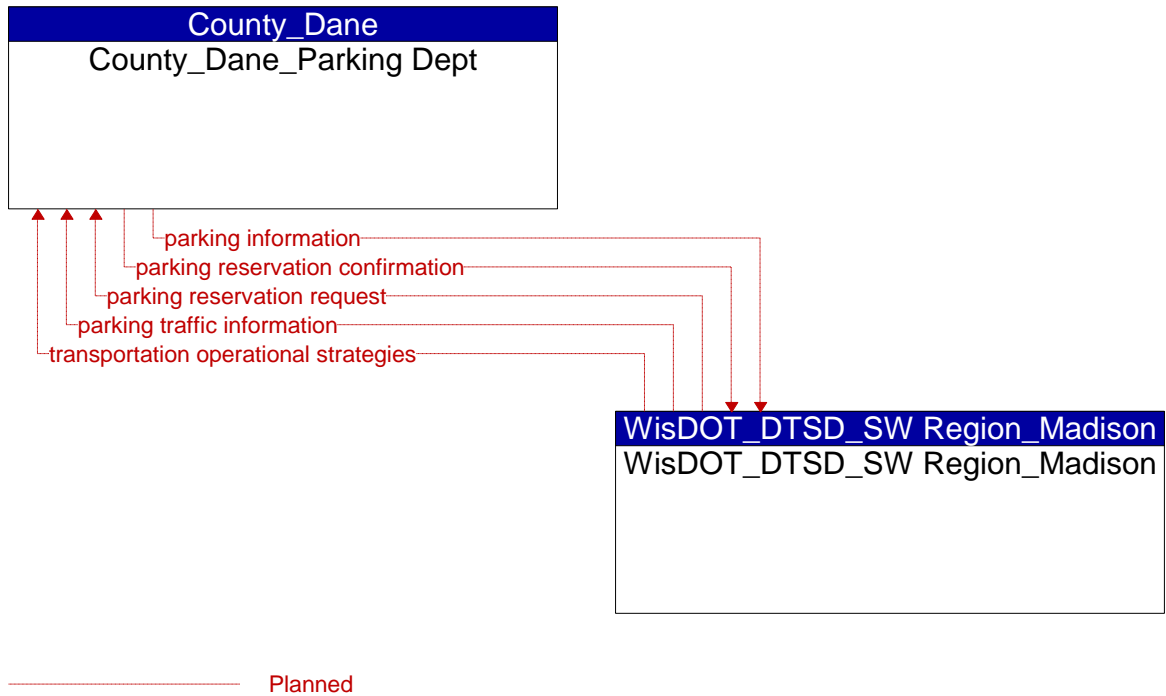


Figure 122: County_Dane_Parking Dept - WisDOT_DTSD_SW Region_Madison Interface

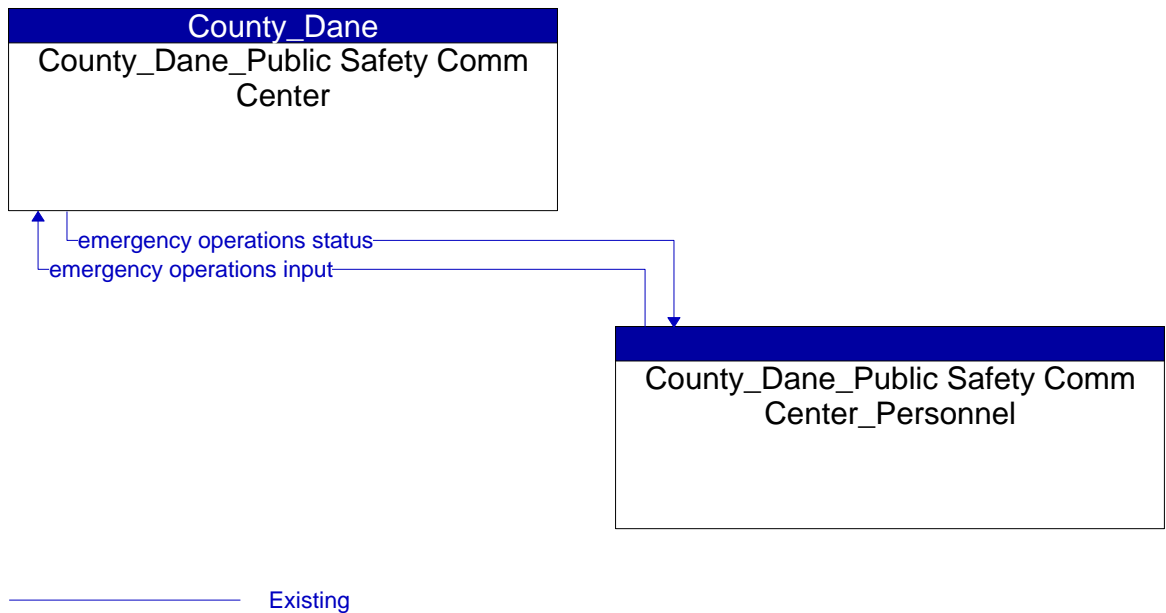


Figure 123: County_Dane_Public Safety Comm Center - County_Dane_Public Safety Comm Center_Personnel Interface

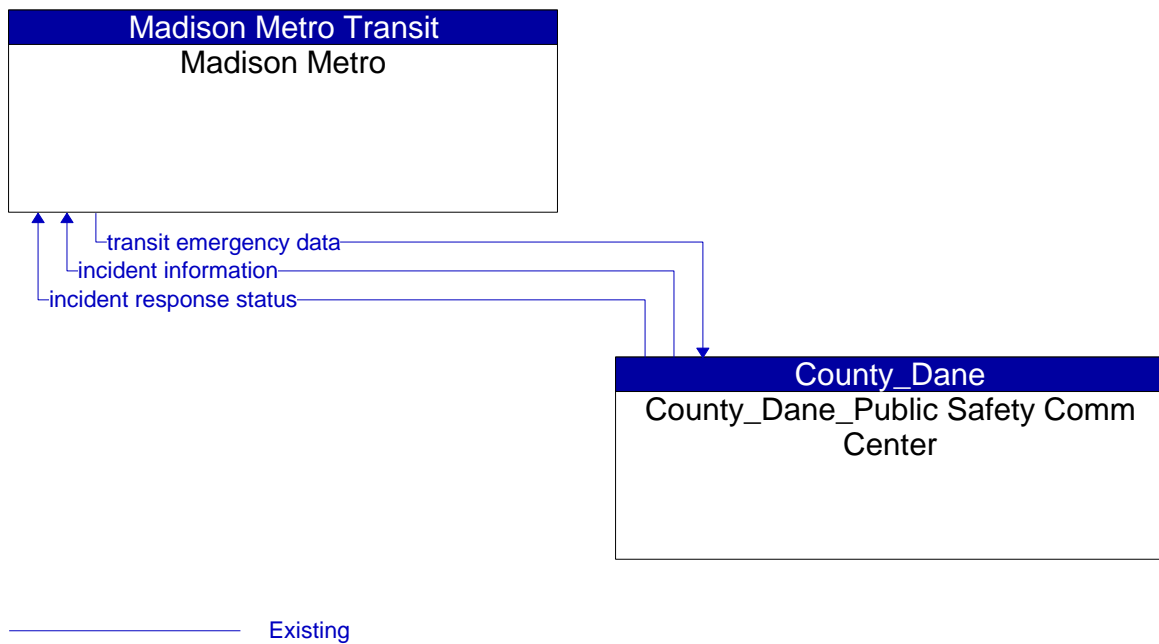


Figure 124: County_Dane_Public Safety Comm Center - Madison Metro Interface

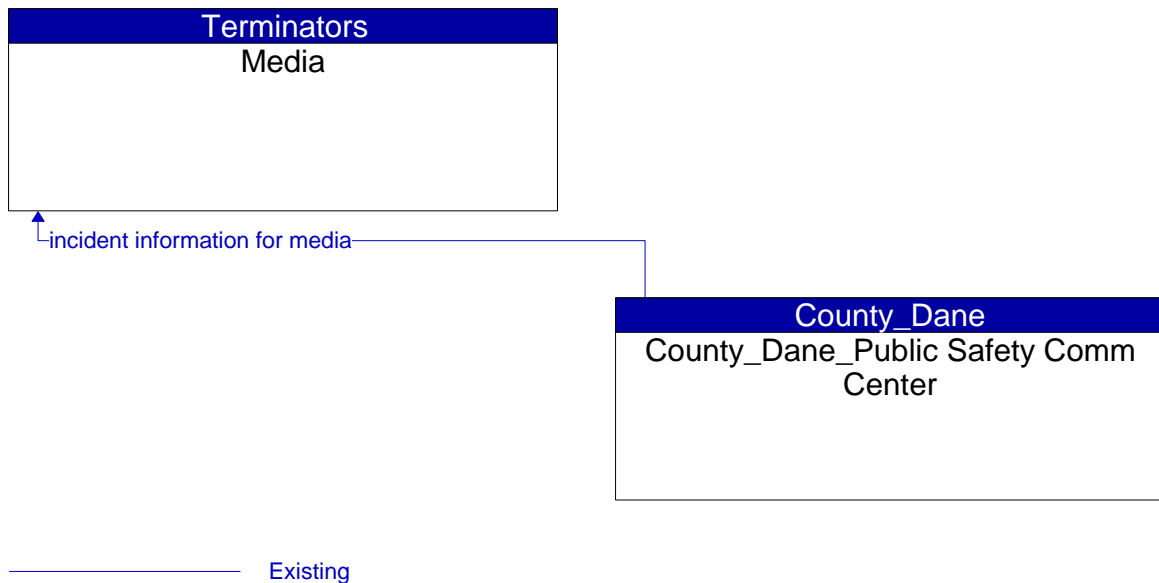


Figure 125: County_Dane_Public Safety Comm Center - Media Interface

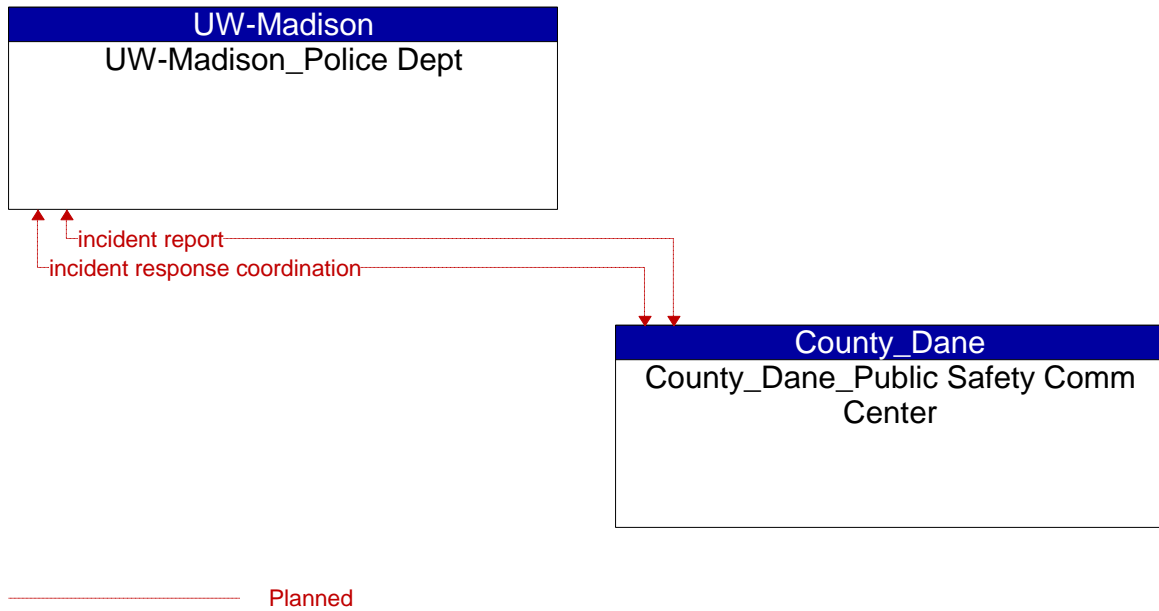


Figure 126: County_Dane_Public Safety Comm Center - UW-Madison_Police Dept Interface

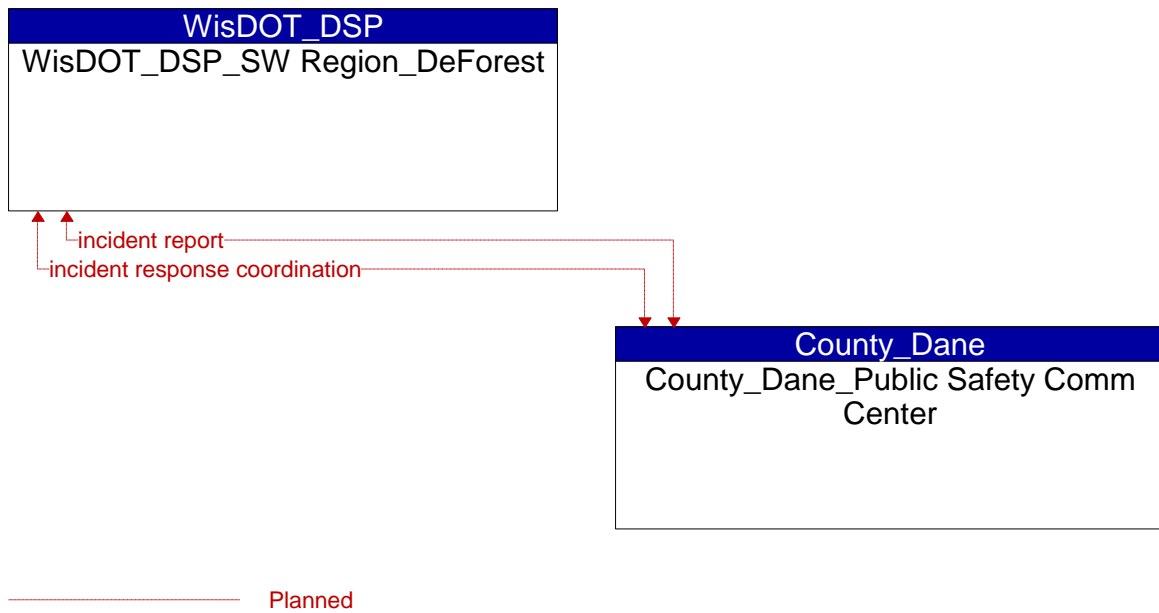


Figure 127: County_Dane_Public Safety Comm Center - WisDOT_DSP_SW Region_DeForest Interface

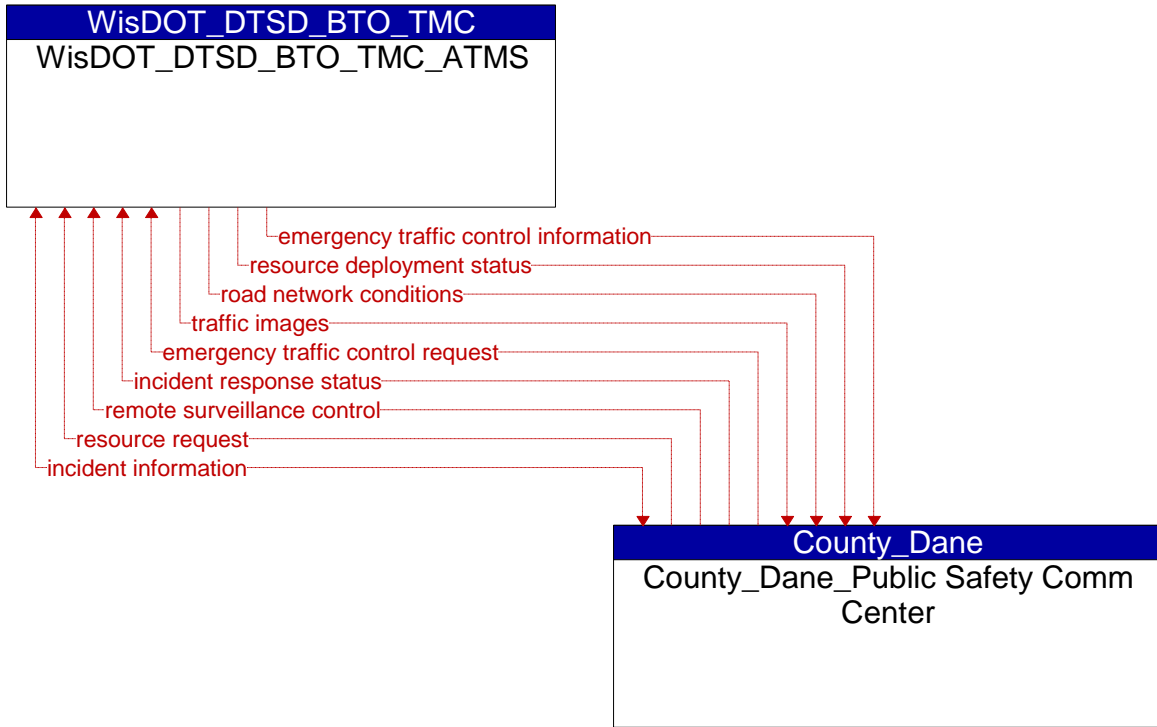


Figure 128: County_Dane_Public Safety Comm Center - WisDOT_DTSD_BTO_TMC_ATMS Interface

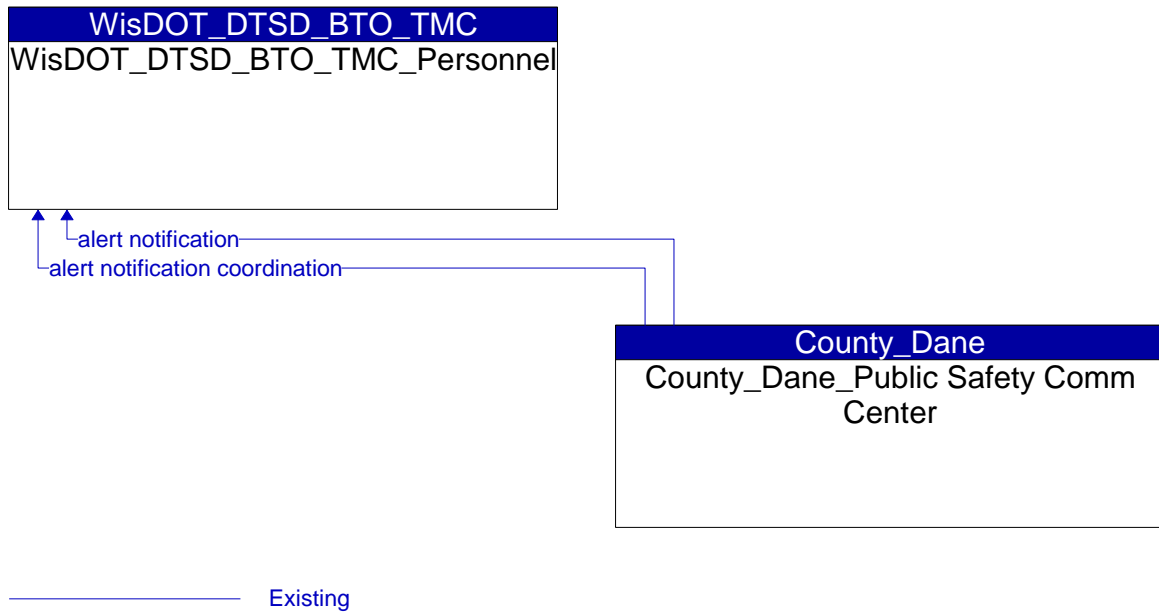


Figure 129: County_Dane_Public Safety Comm Center - WisDOT_DTSD_BTO_TMC_Personnel Interface

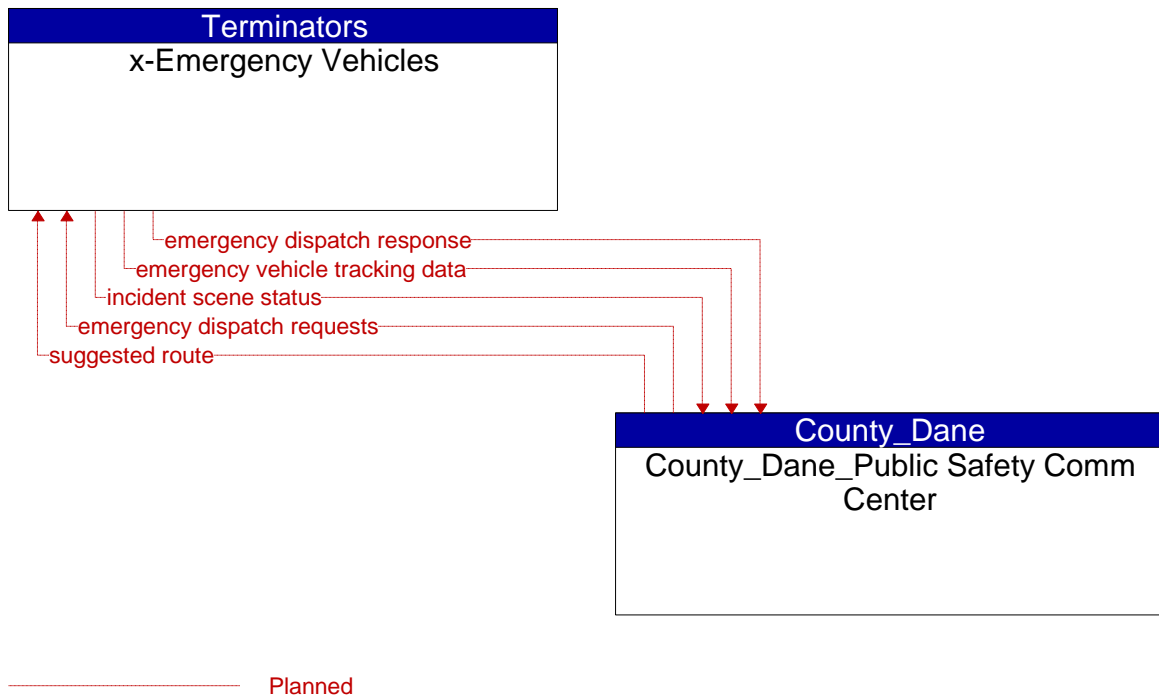


Figure 130: County_Dane_Public Safety Comm Center - x-Emergency Vehicles Interface

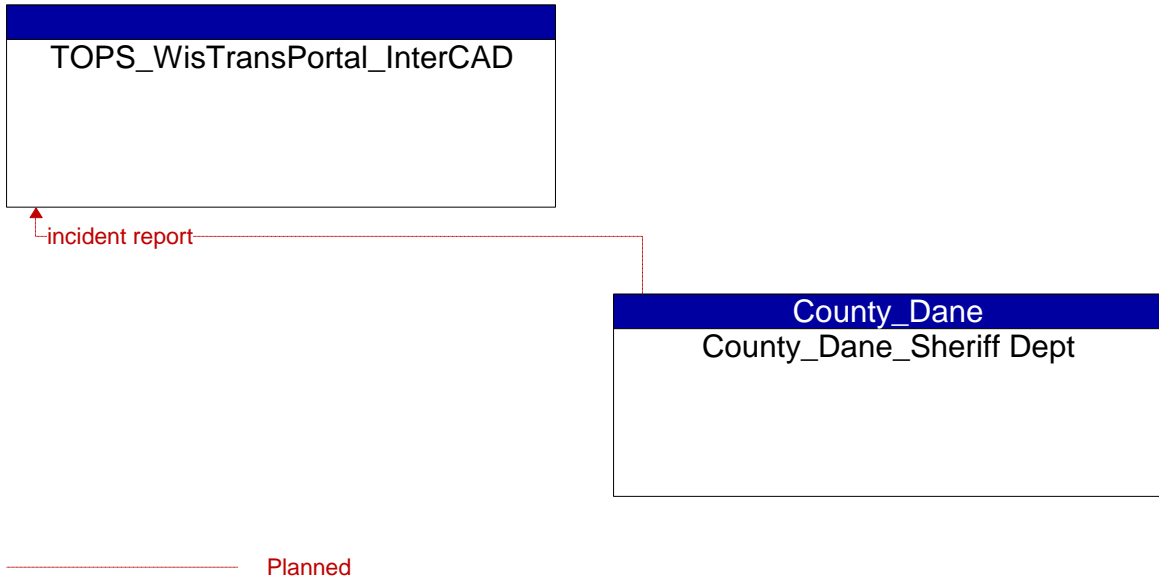


Figure 131: County_Dane_Sheriff Dept - TIPS_WisTransPortal_InterCAD Interface

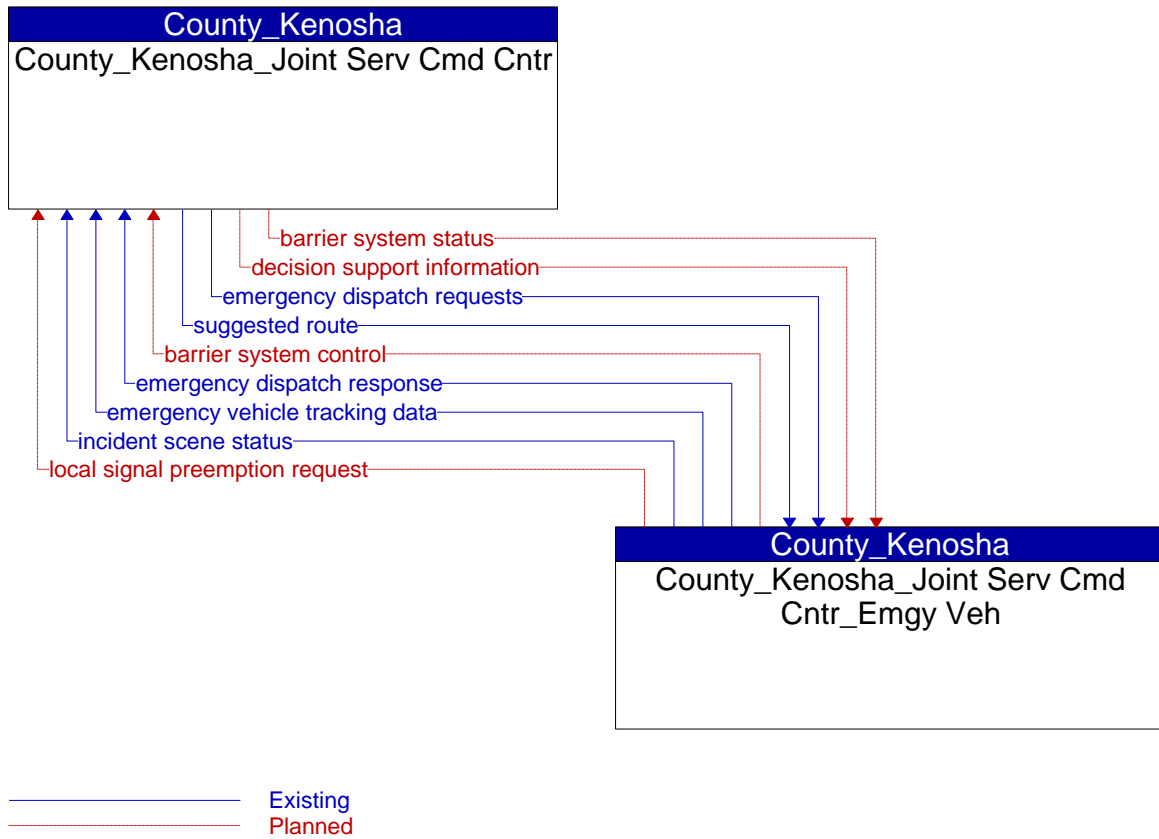


Figure 132: County_Kenosha_Joint Serv Cmd Cntr - County_Kenosha_Joint Serv Cmd Cntr_Emgy Veh Interface

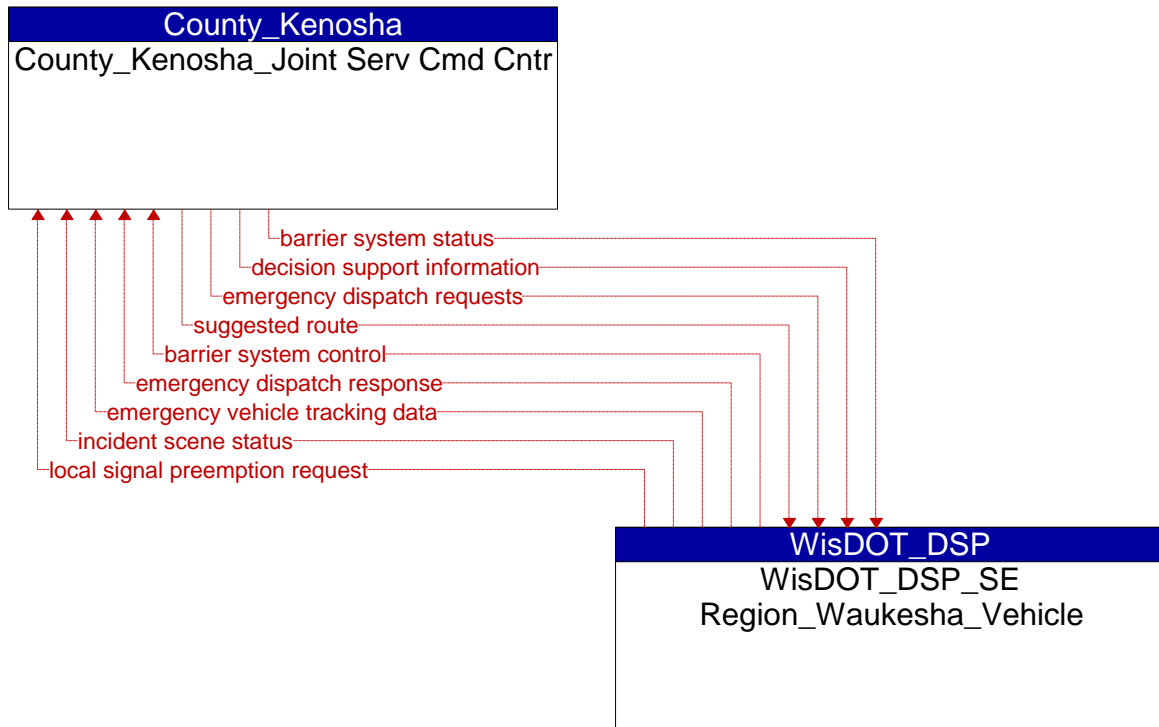


Figure 133: County_Kenosha_Joint Serv Cmd Cntr - WisDOT_DSP_SE Region_Waukesha_Vehicle Interface

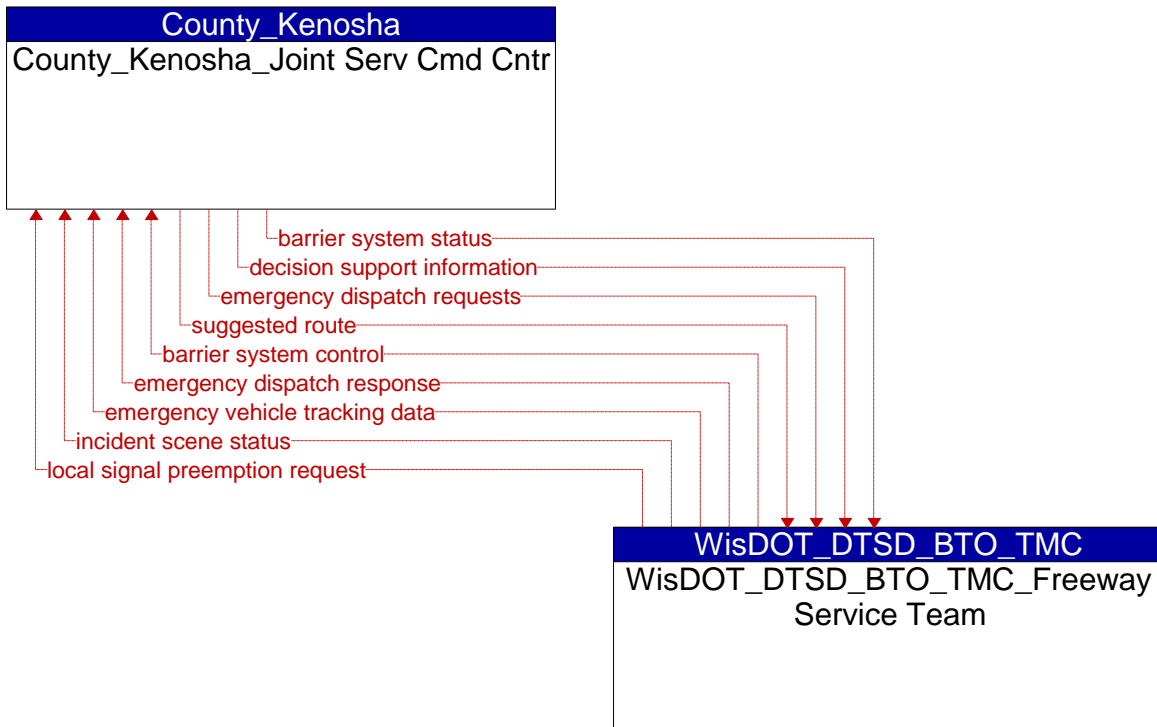


Figure 134: County_Kenosha_Joint Serv Cmd Cntr - WisDOT_DTSD_BTO_TMC_Freeway Service Team Interface

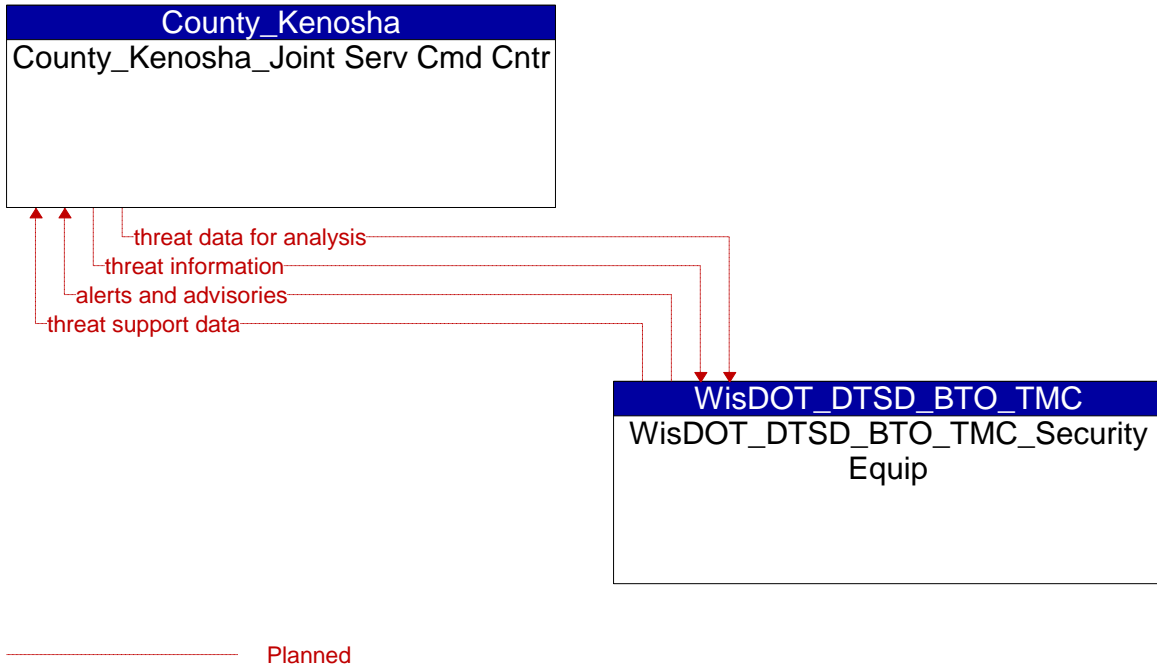


Figure 135: County_Kenosha_Joint Serv Cmd Cntr - WisDOT_DTSD_BTO_TMC_Security Equip Interface

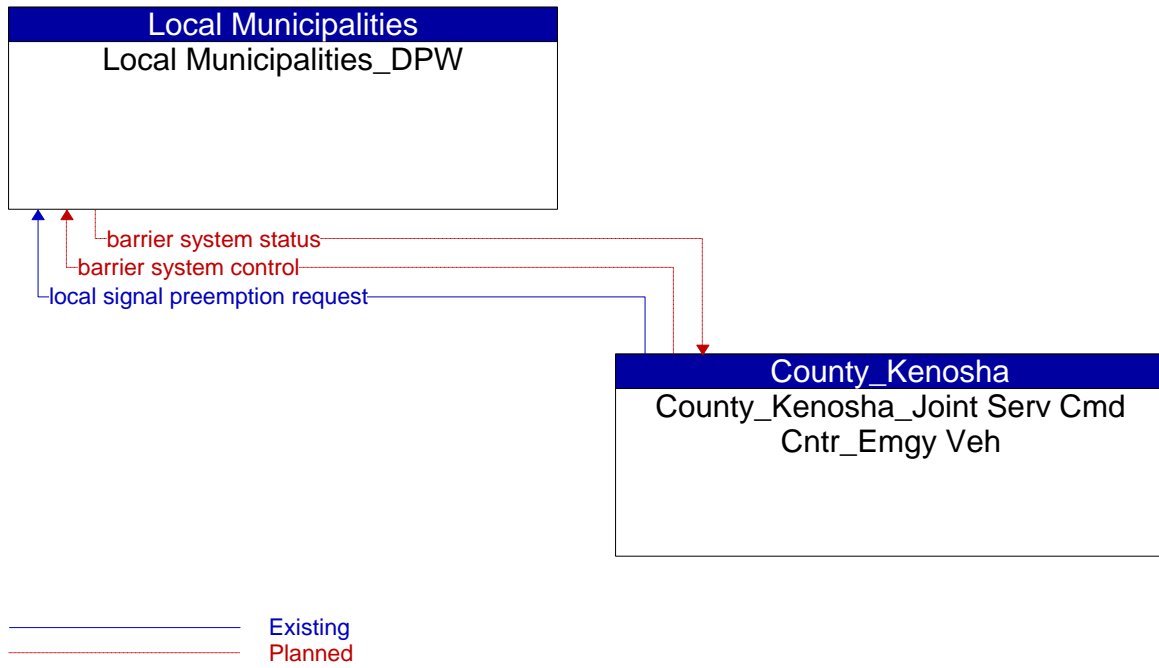


Figure 136: County_Kenosha_Joint Serv Cmd Cntr_Emgv Veh - Local Municipalities_DPW Interface

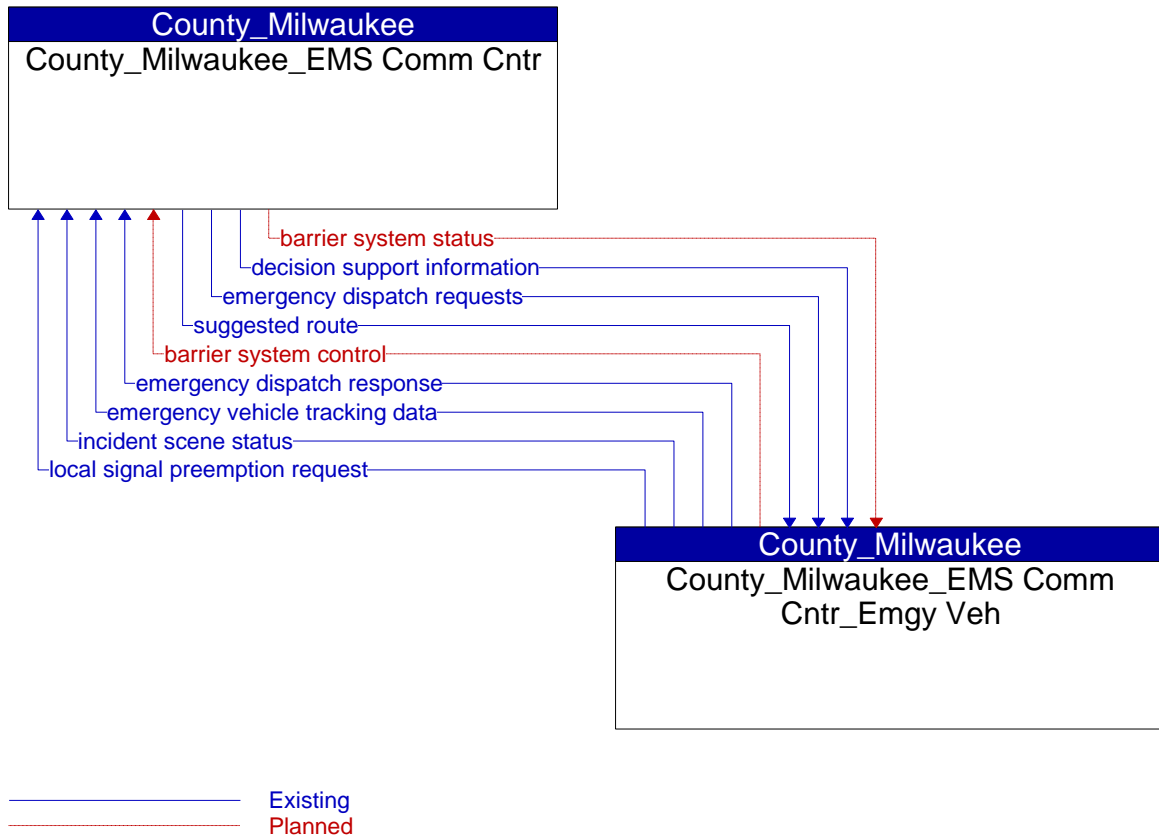


Figure 137: County_Milwaukee_EMS Comm Cntr - County_Milwaukee_EMS Comm Cntr_Emg Veh Interface

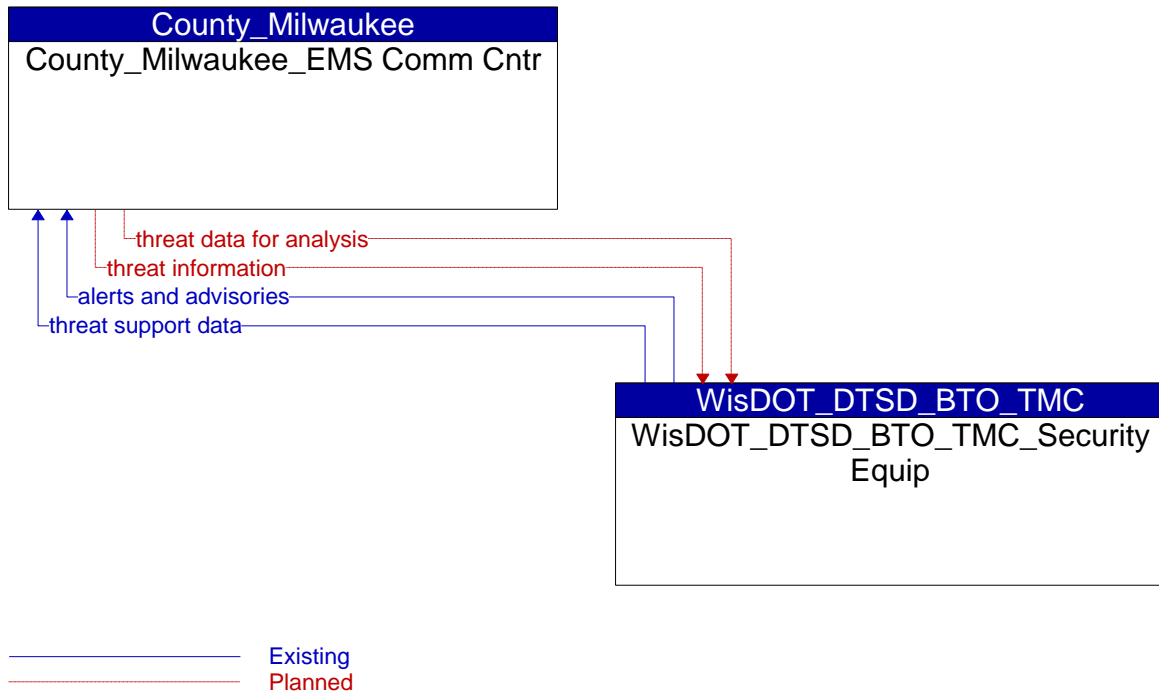


Figure 138: County_Milwaukee_EMS Comm Cntr - WisDOT_DTSD_BTO_TMC_Security Equip Interface

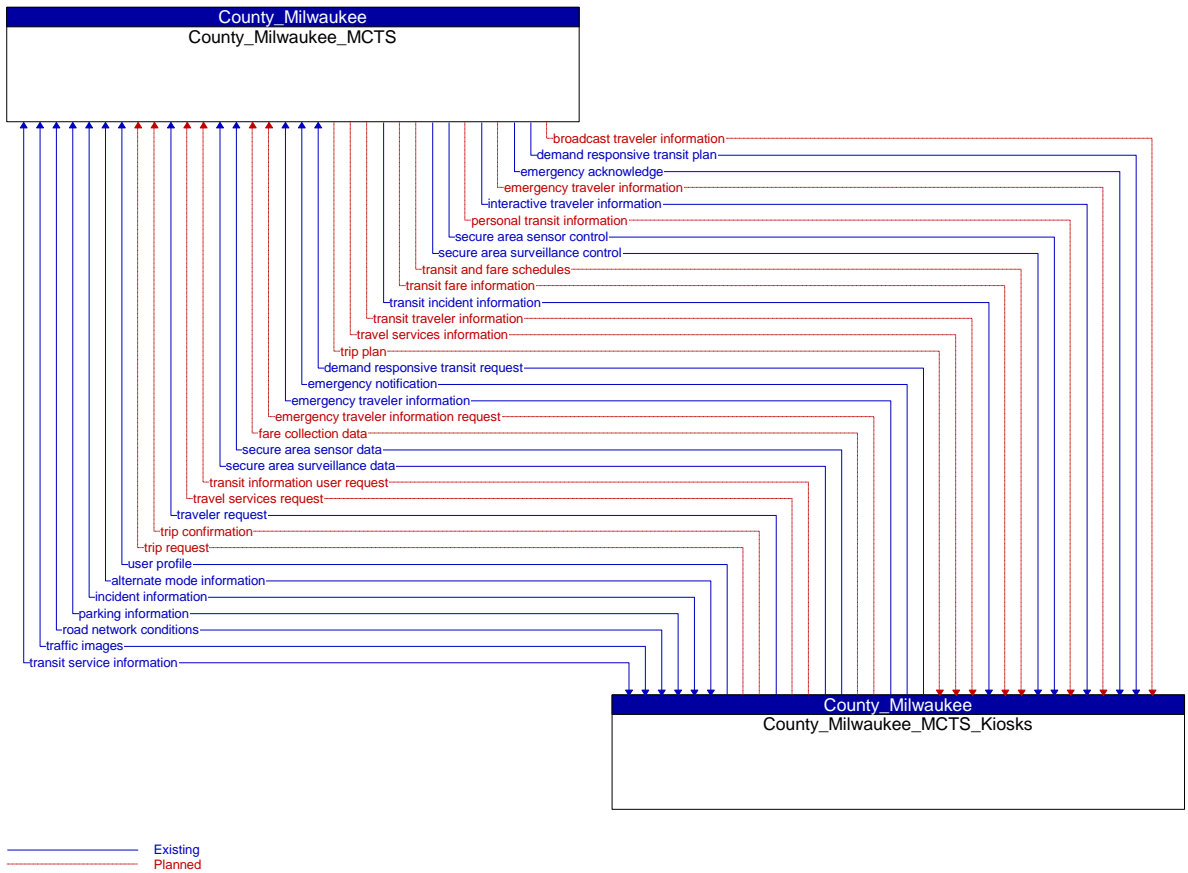


Figure 139: County_Milwaukee_MCTS - County_Milwaukee_MCTS_Kiosks Interface

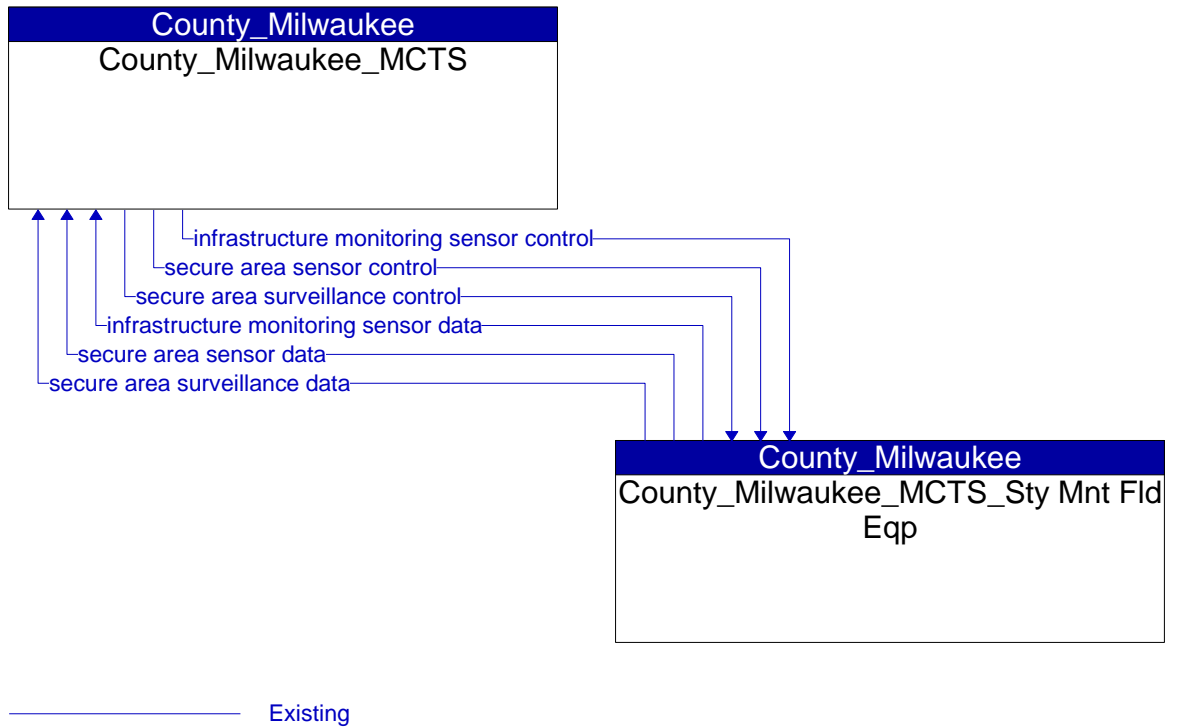


Figure 140: County_Milwaukee_MCTS - County_Milwaukee_MCTS_Sty Mnt Fld Eqp Interface

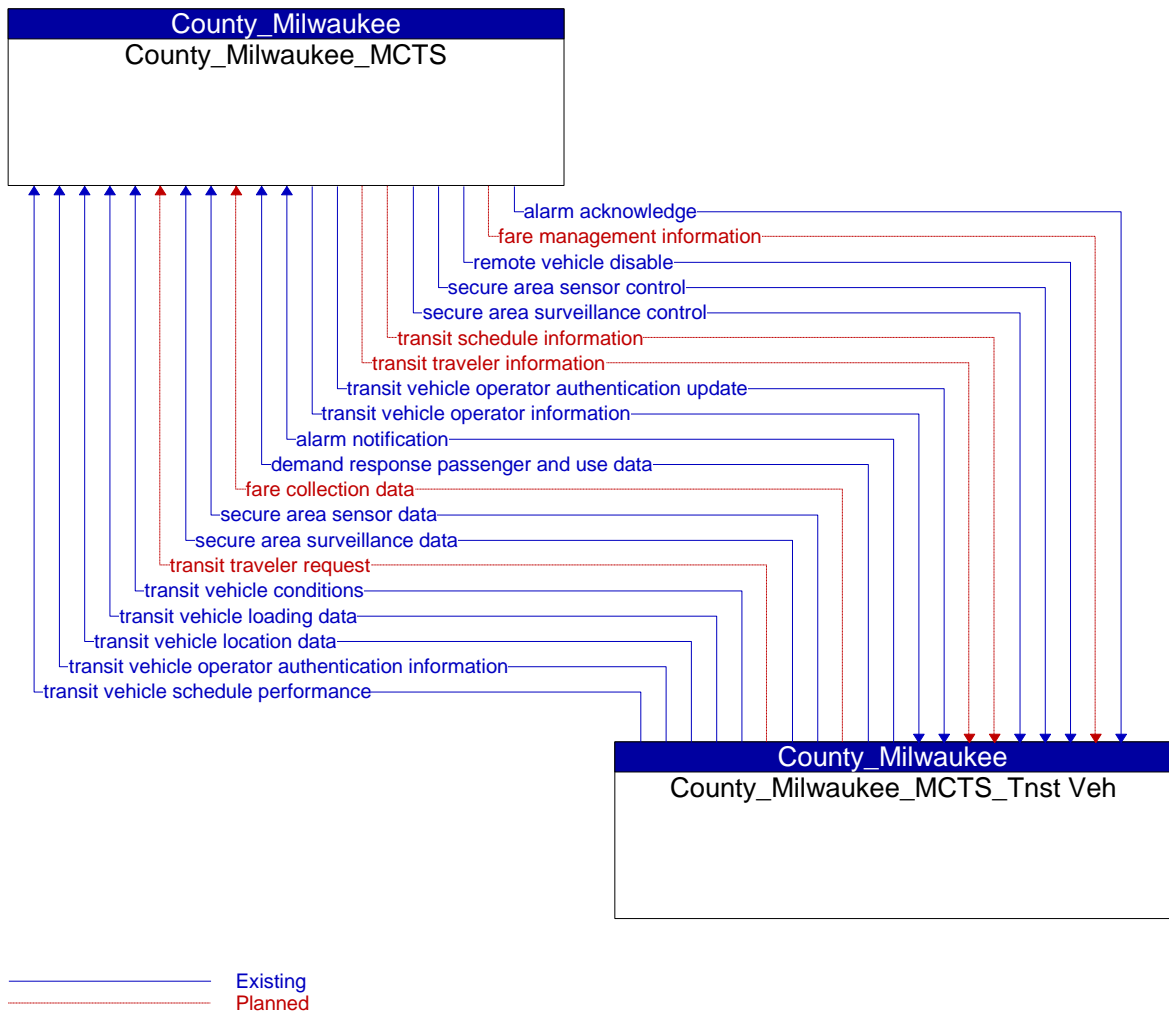


Figure 141: County_Milwaukee_MCTS - County_Milwaukee_MCTS_Tnst Veh Interface

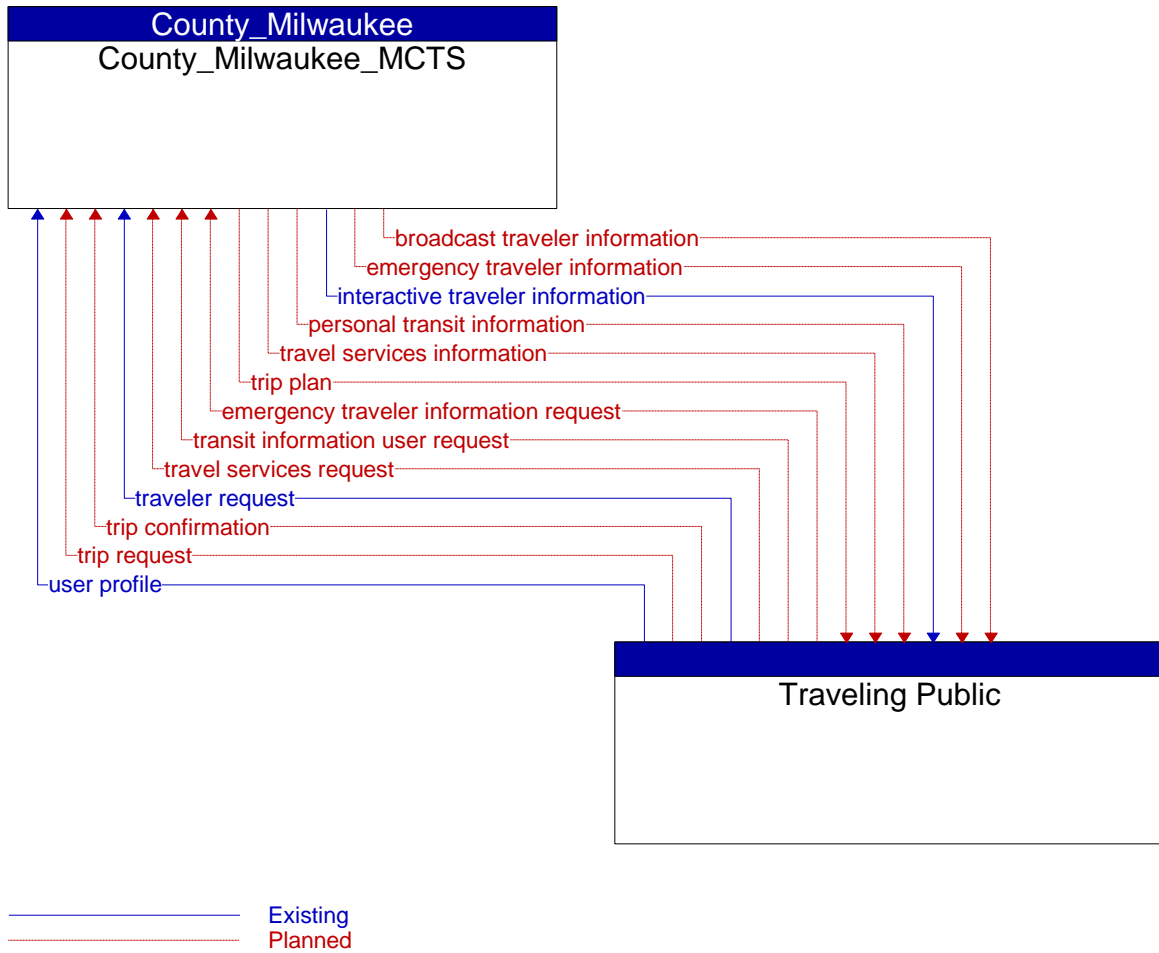


Figure 142: County_Milwaukee_MCTS - Traveling Public Interface

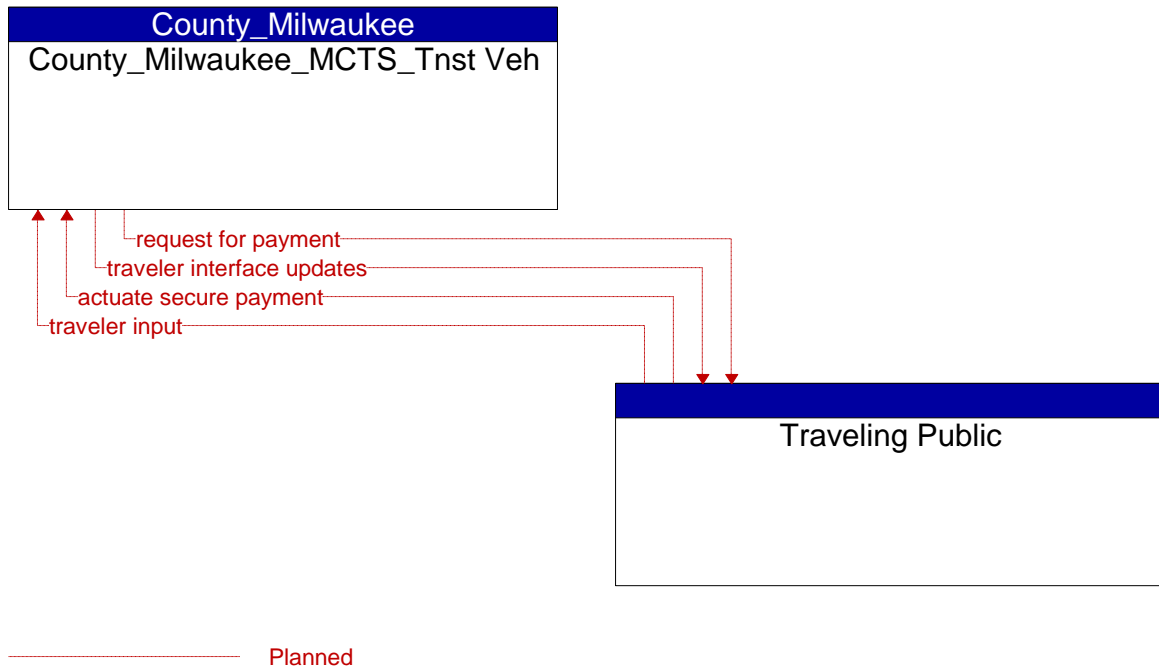


Figure 143: County_Milwaukee_MCTS_Tnst Veh - Traveling Public Interface

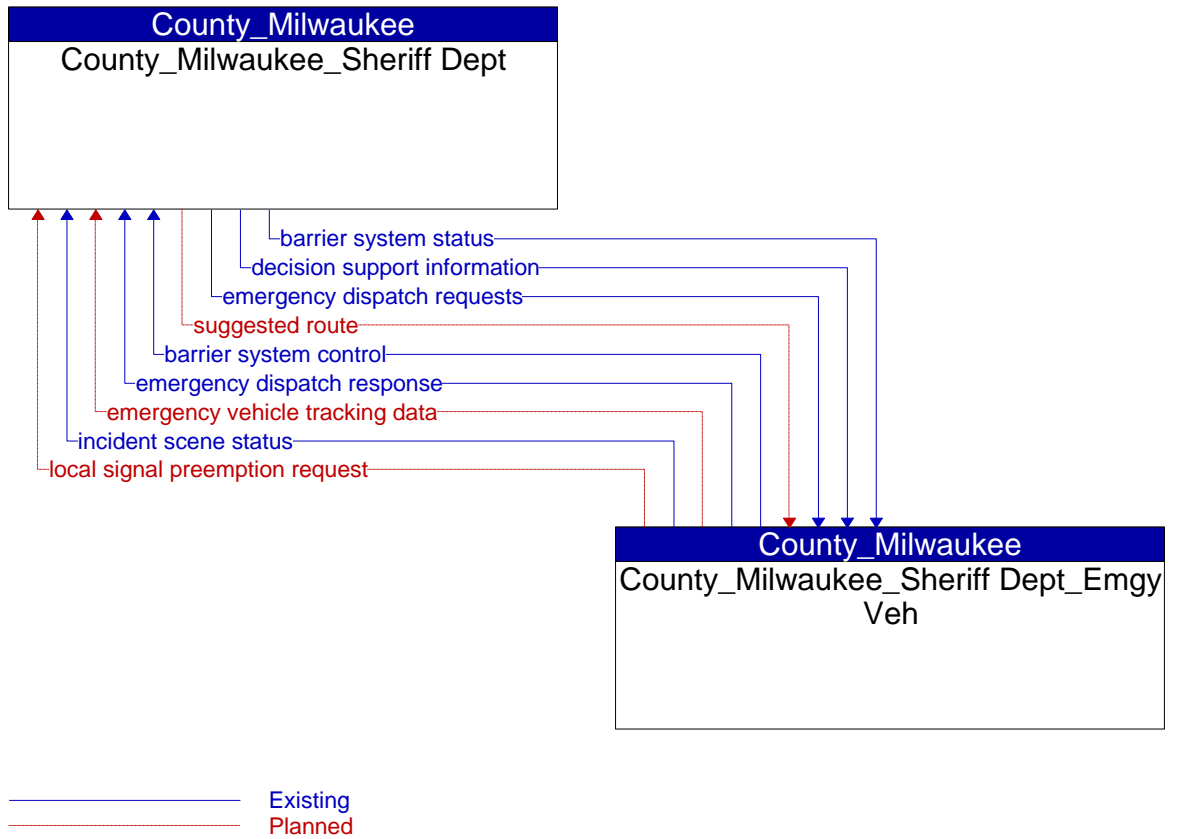


Figure 144: County_Milwaukee_Sheriff Dept - County_Milwaukee_Sheriff Dept_Emg Veh Interface

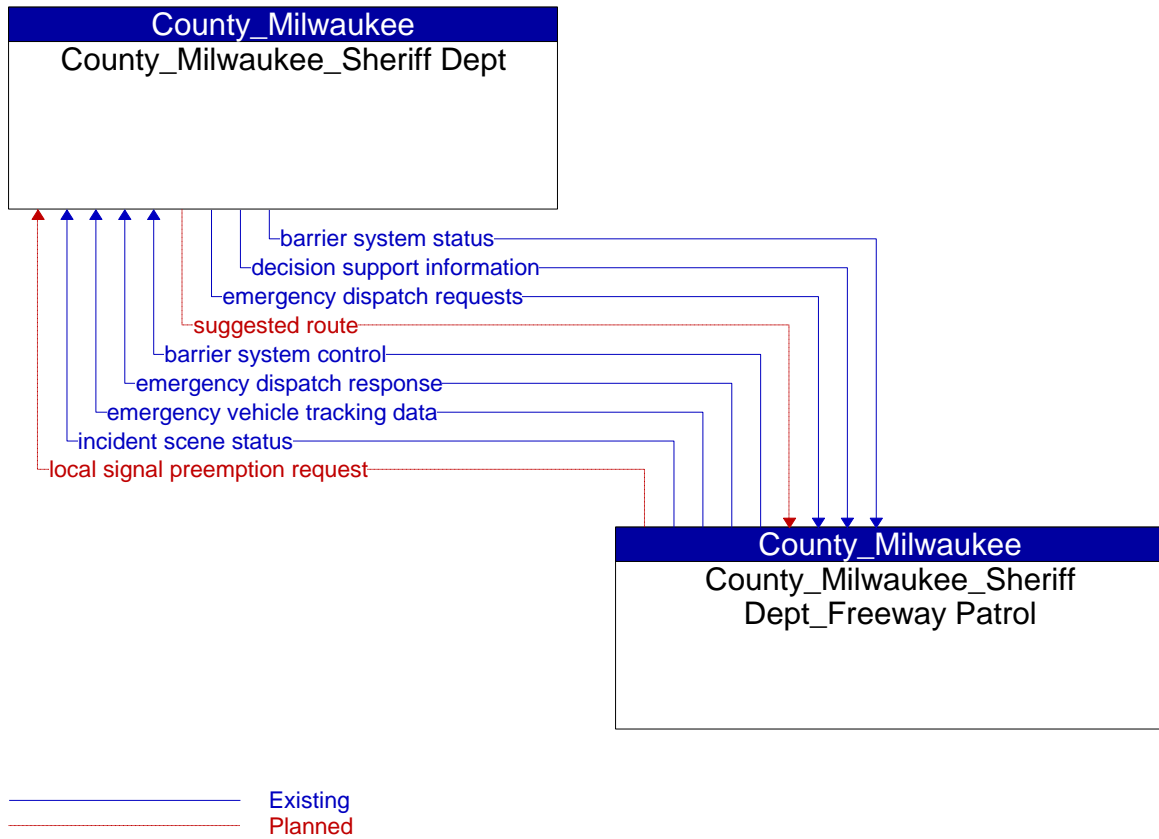


Figure 145: County_Milwaukee_Sheriff Dept - County_Milwaukee_Sheriff Dept_Freeway Patrol Interface

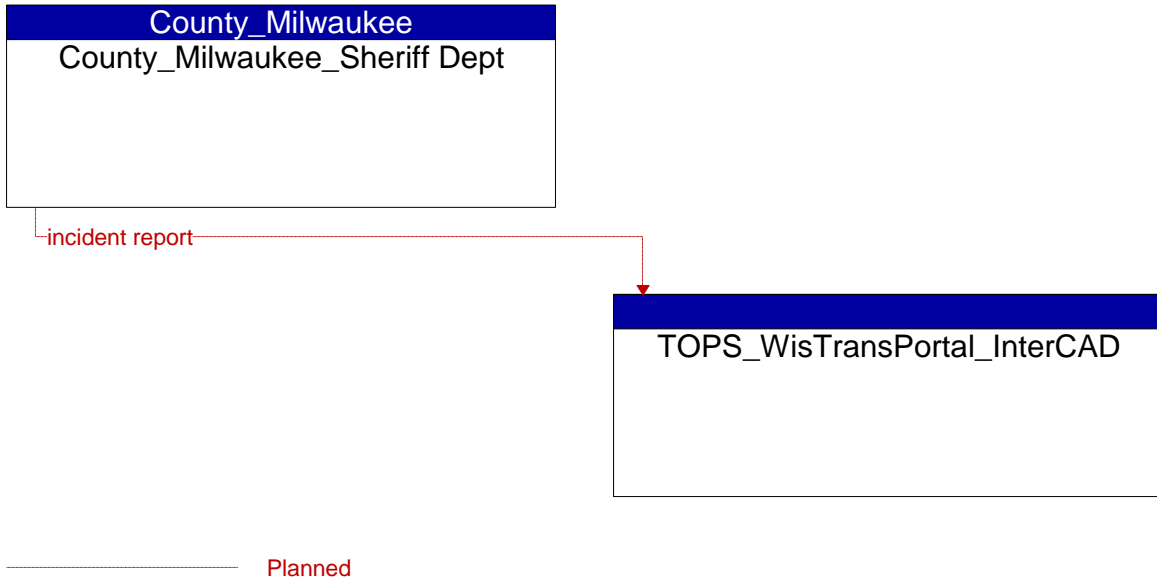


Figure 146: County_Milwaukee_Sheriff Dept - TOPS_WisTransPortal_InterCAD Interface

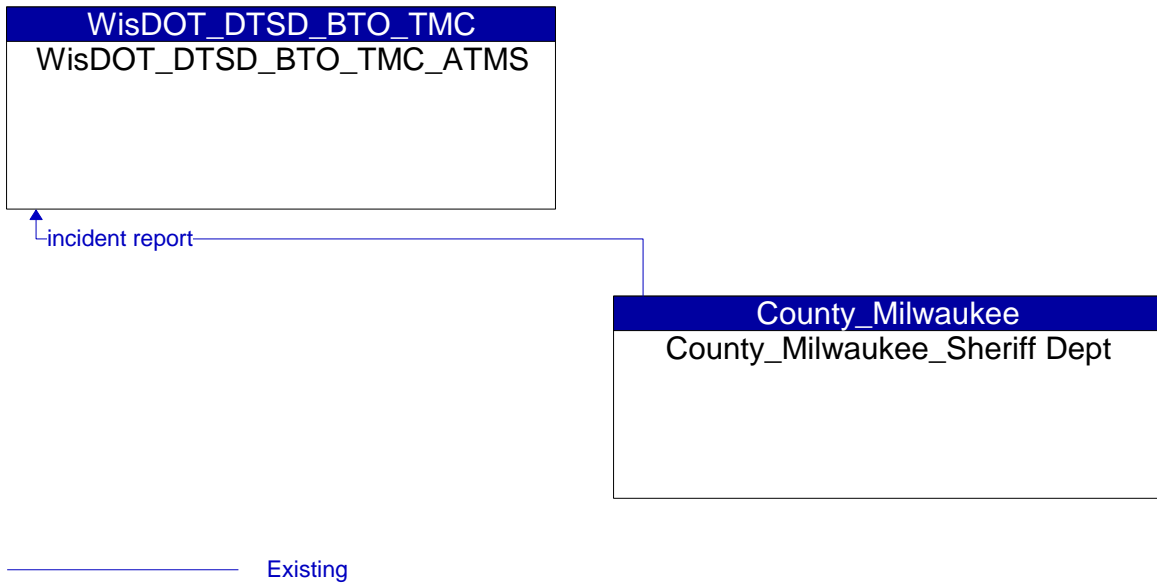


Figure 147: County_Milwaukee_Sheriff Dept - WisDOT_DTSD_BTO_TMC_ATMS Interface

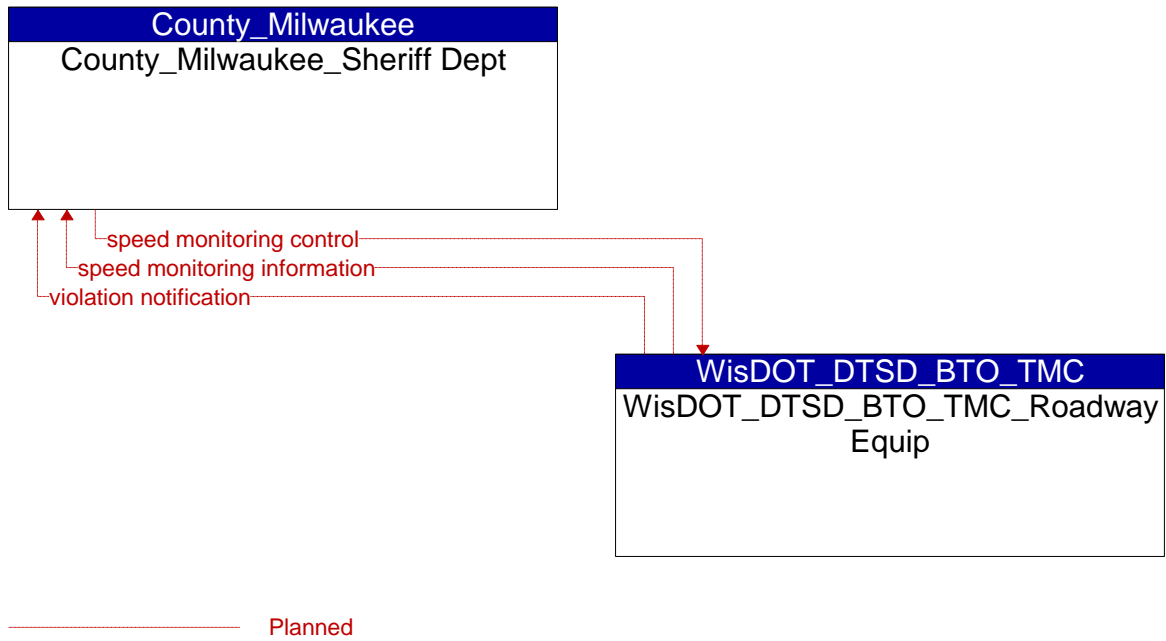


Figure 148: County_Milwaukee_Sheriff Dept - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

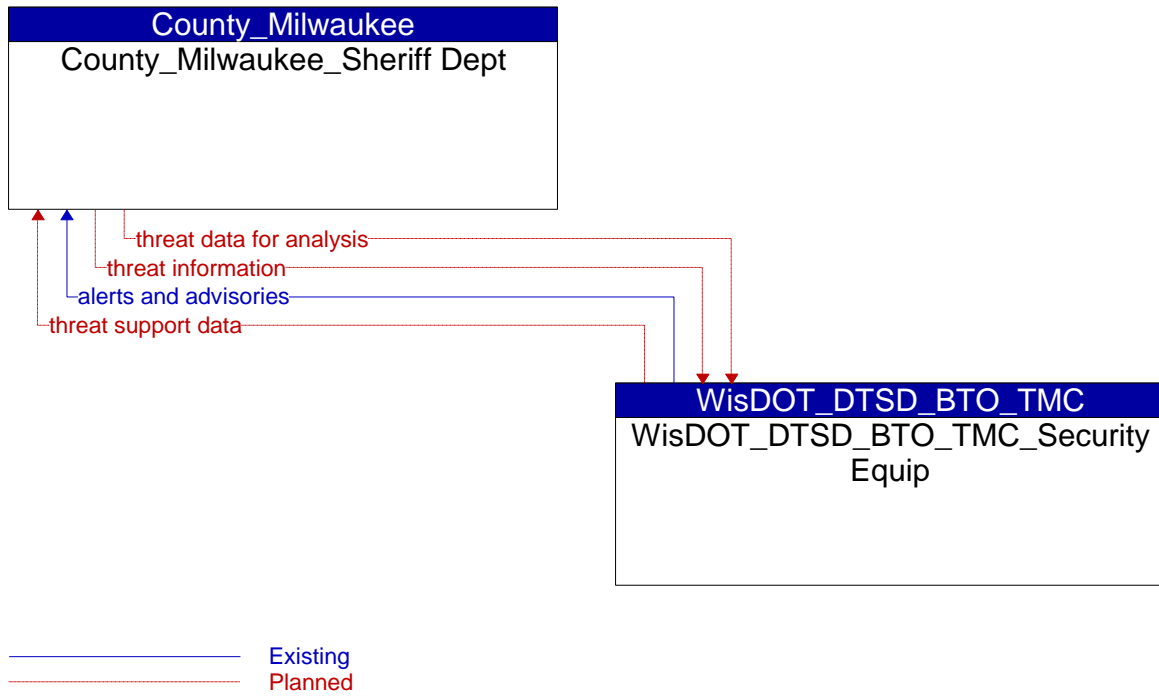


Figure 149: County_Milwaukee_Sheriff Dept - WisDOT_DTSD_BTO_TMC_Security Equip Interface

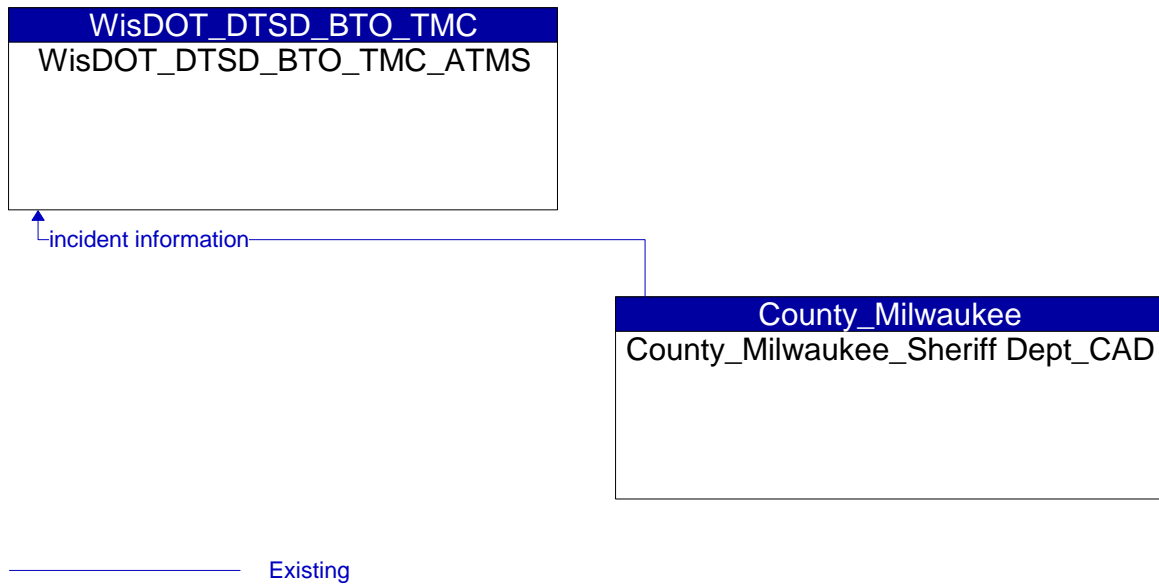


Figure 150: County_Milwaukee_Sheriff Dept_CAD - WisDOT_DTSD_BTO_TMC_ATMS Interface

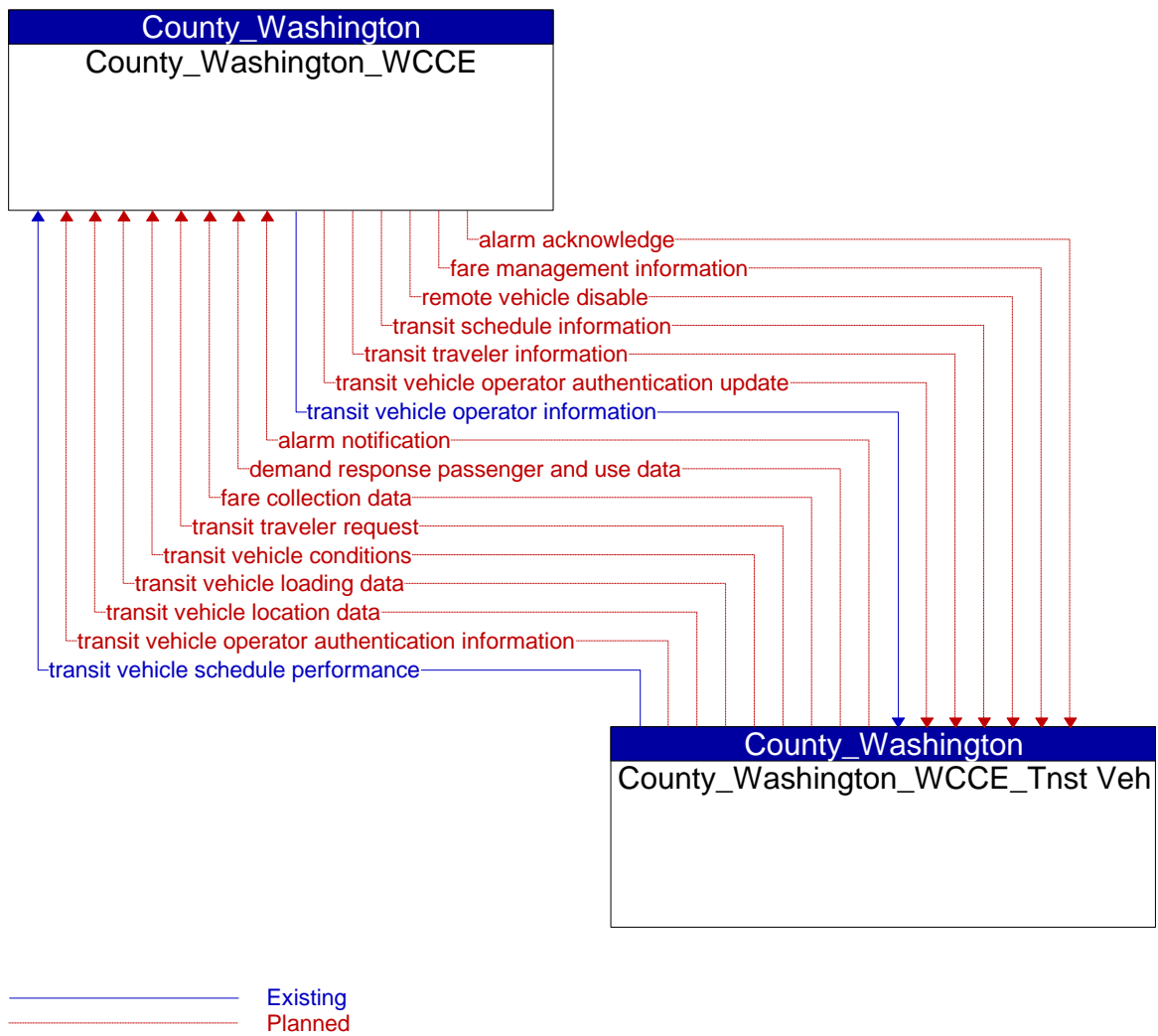


Figure 151: County_Washington_WCCE - County_Washington_WCCE_Tnst Veh Interface

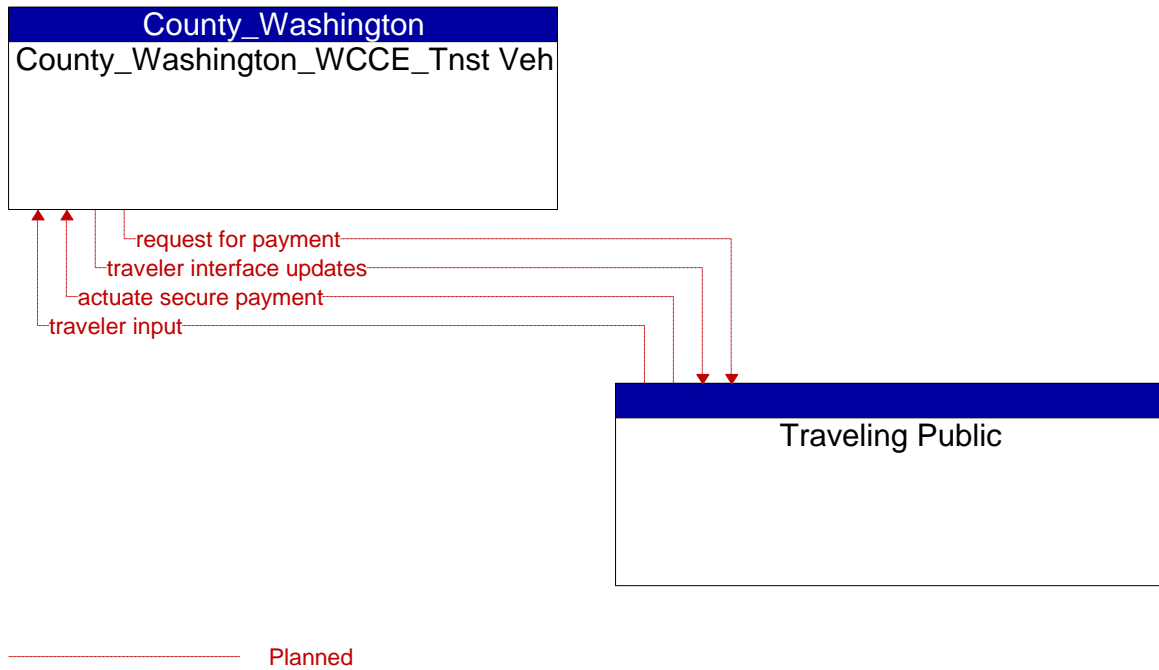


Figure 152: County_Washington_WCCE_Tnst Veh - Traveling Public Interface

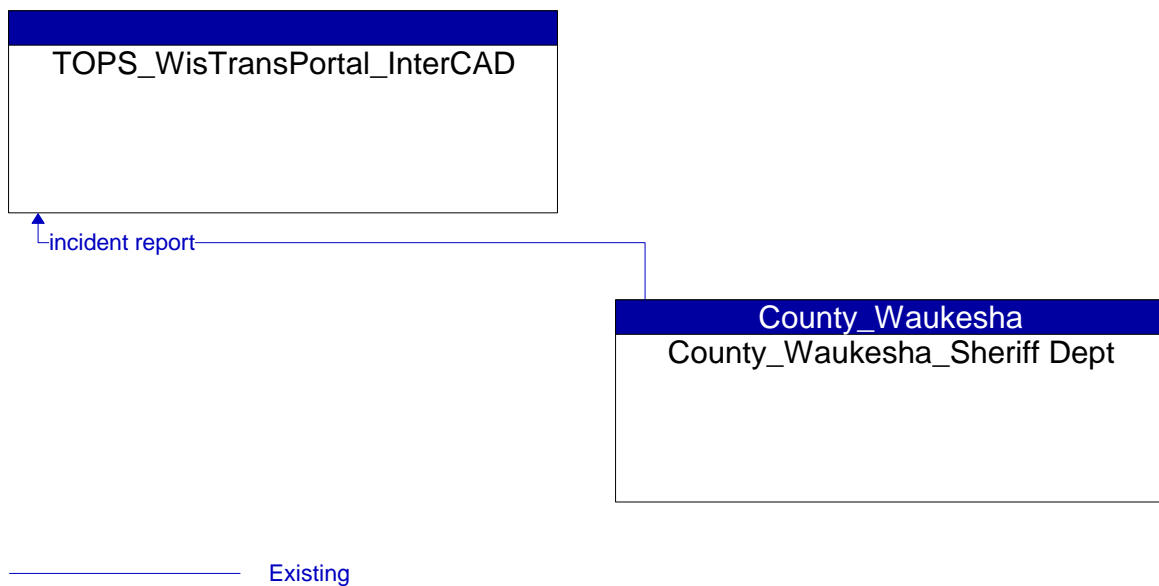


Figure 153: County_Waukesha_Sheriff Dept - TOPS_WisTransPortal_InterCAD Interface

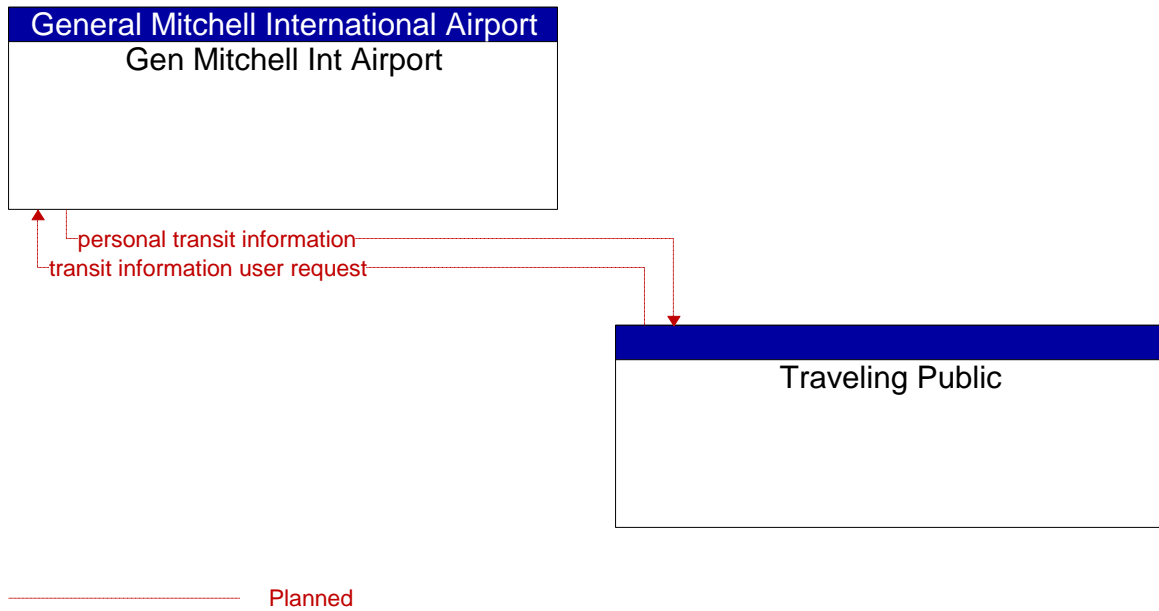


Figure 154: Gen Mitchell Int Airport - Traveling Public Interface

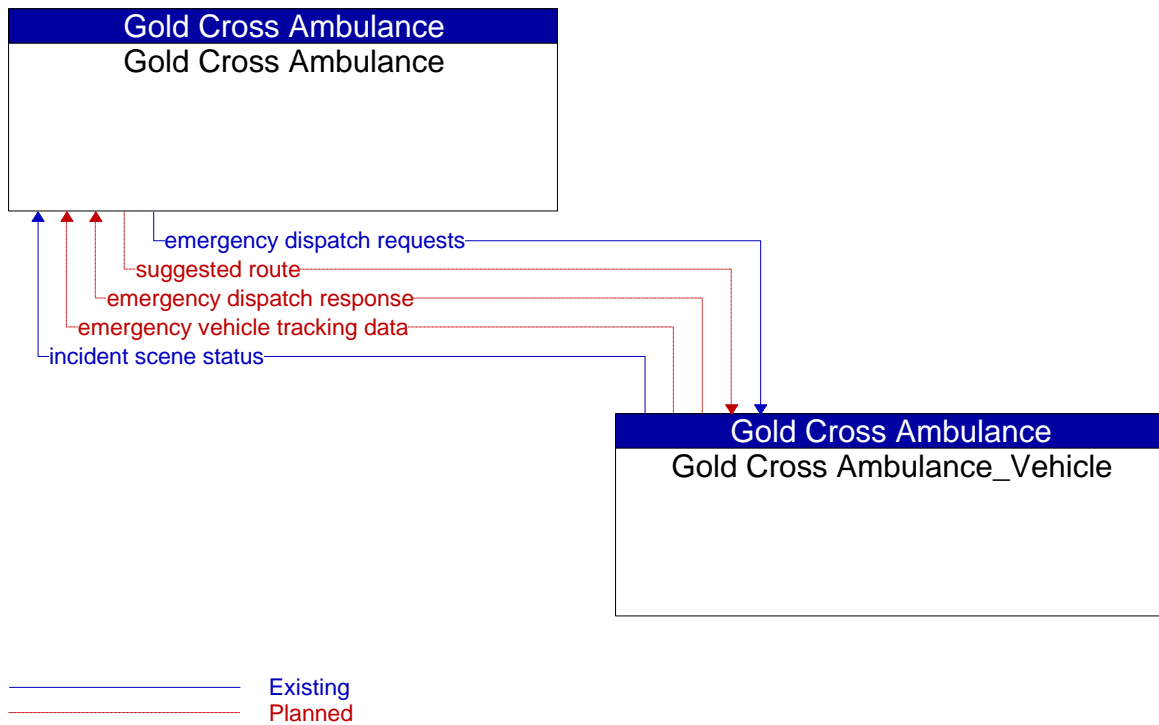


Figure 155: Gold Cross Ambulance - Gold Cross Ambulance_Vehicle Interface

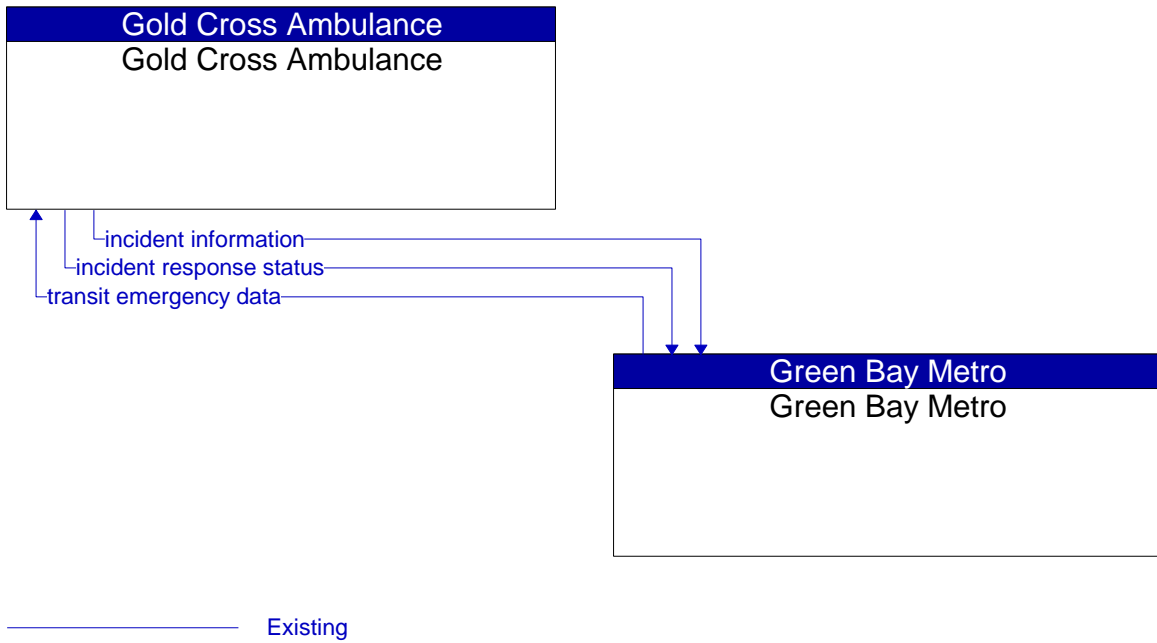


Figure 156: Gold Cross Ambulance - Green Bay Metro Interface

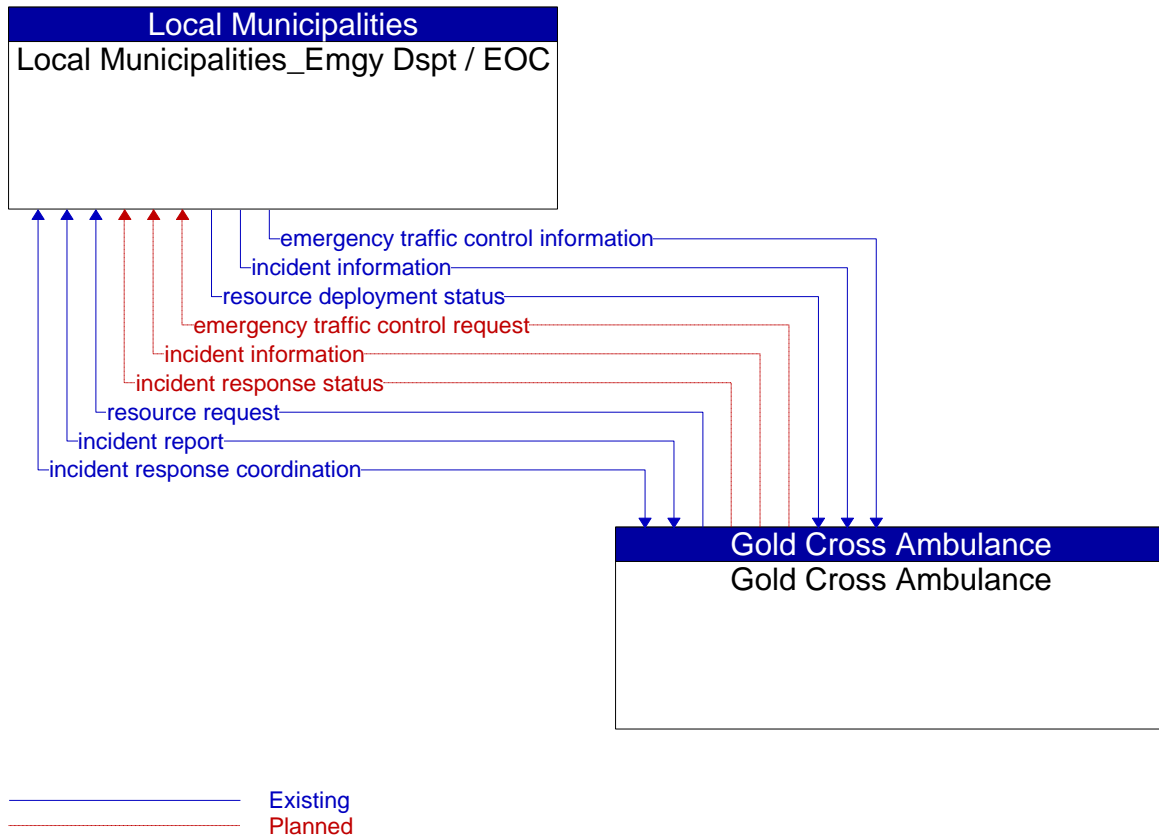


Figure 157: Gold Cross Ambulance - Local Municipalities_Emgy Dspt / EOC Interface

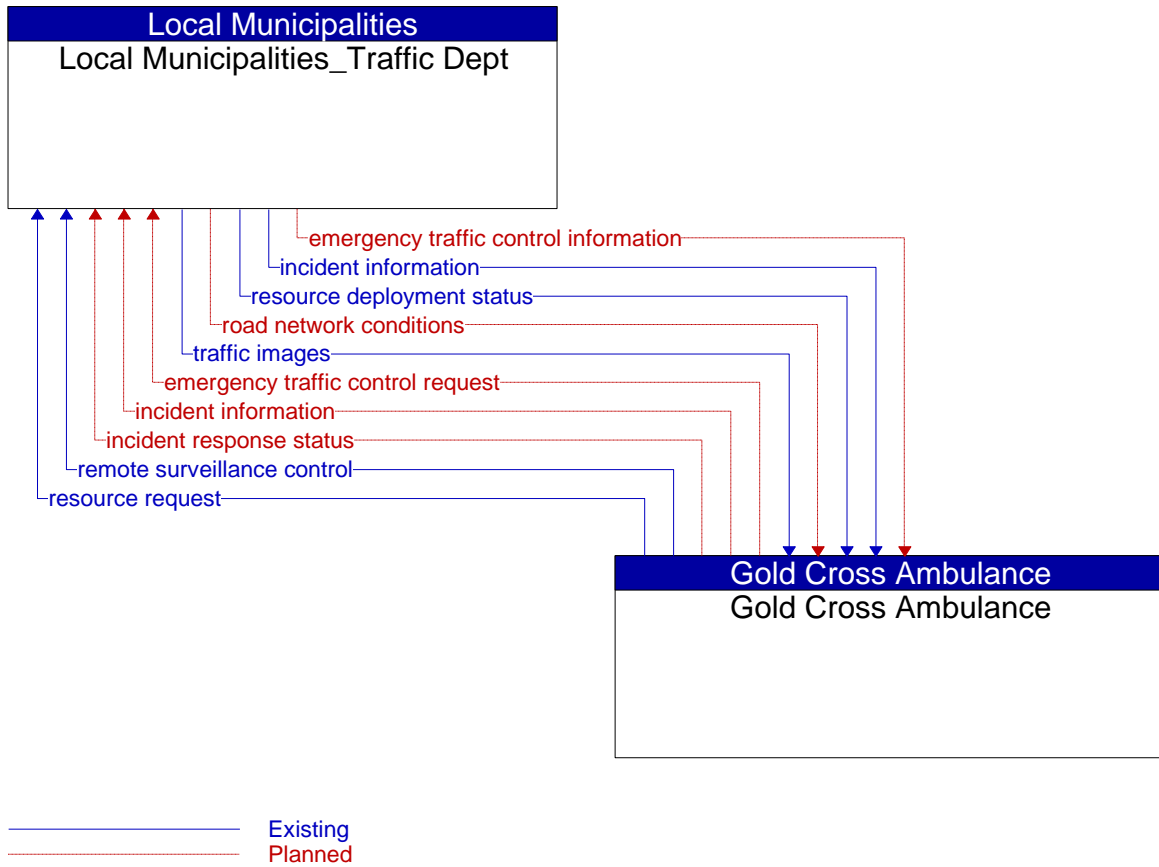


Figure 158: Gold Cross Ambulance - Local Municipalities_Traffic Dept Interface

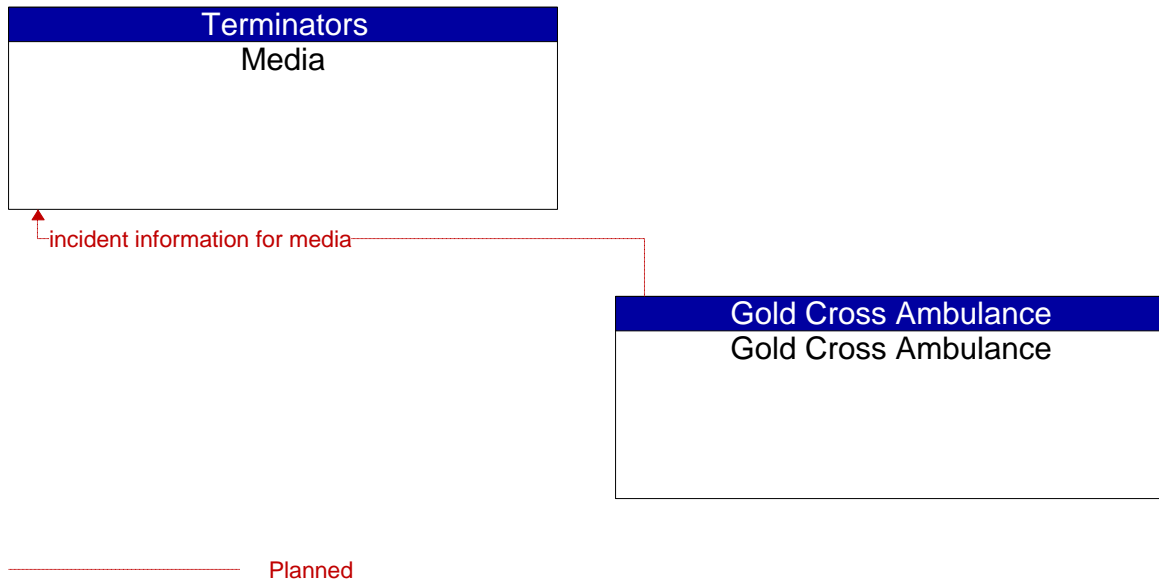


Figure 159: Gold Cross Ambulance - Media Interface

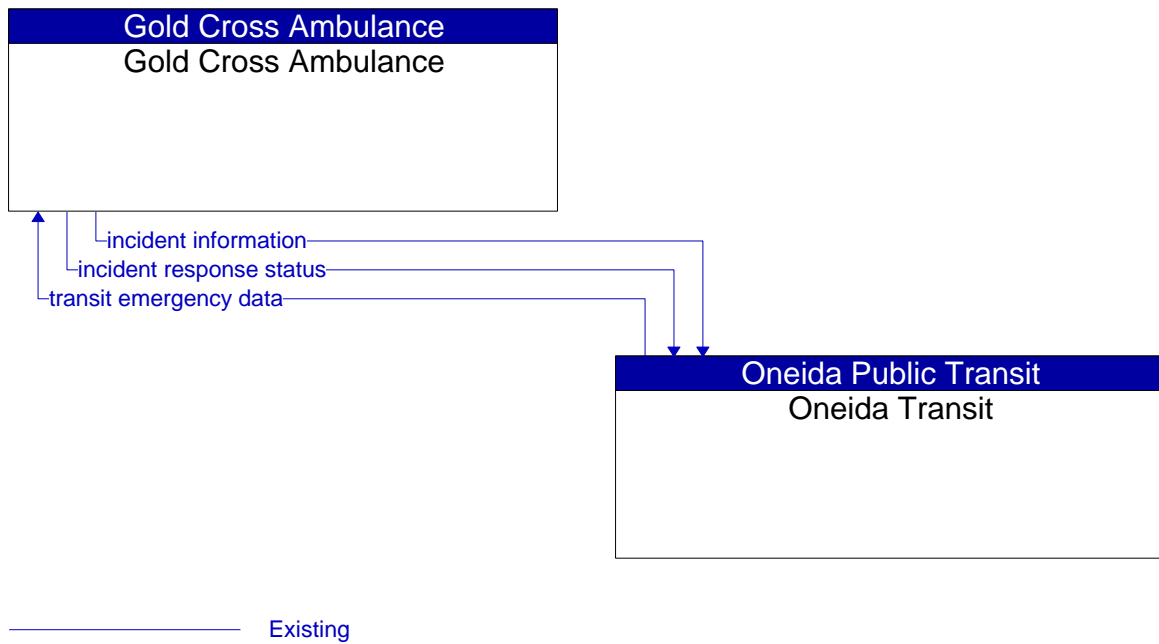


Figure 160: Gold Cross Ambulance - Oneida Transit Interface

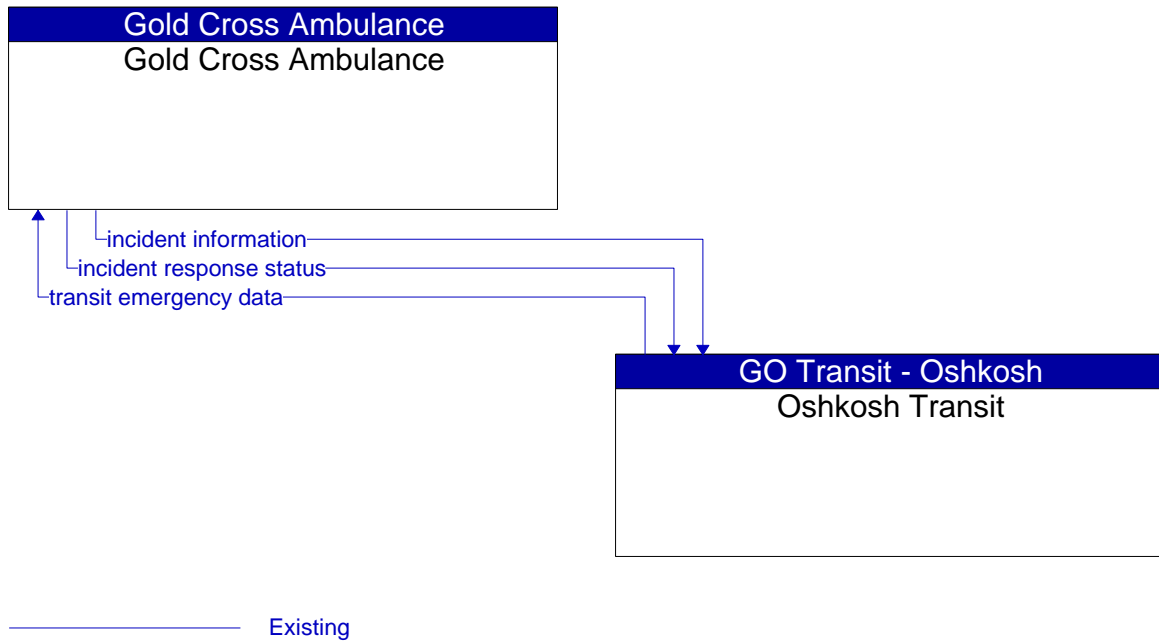


Figure 161: Gold Cross Ambulance - Oshkosh Transit Interface

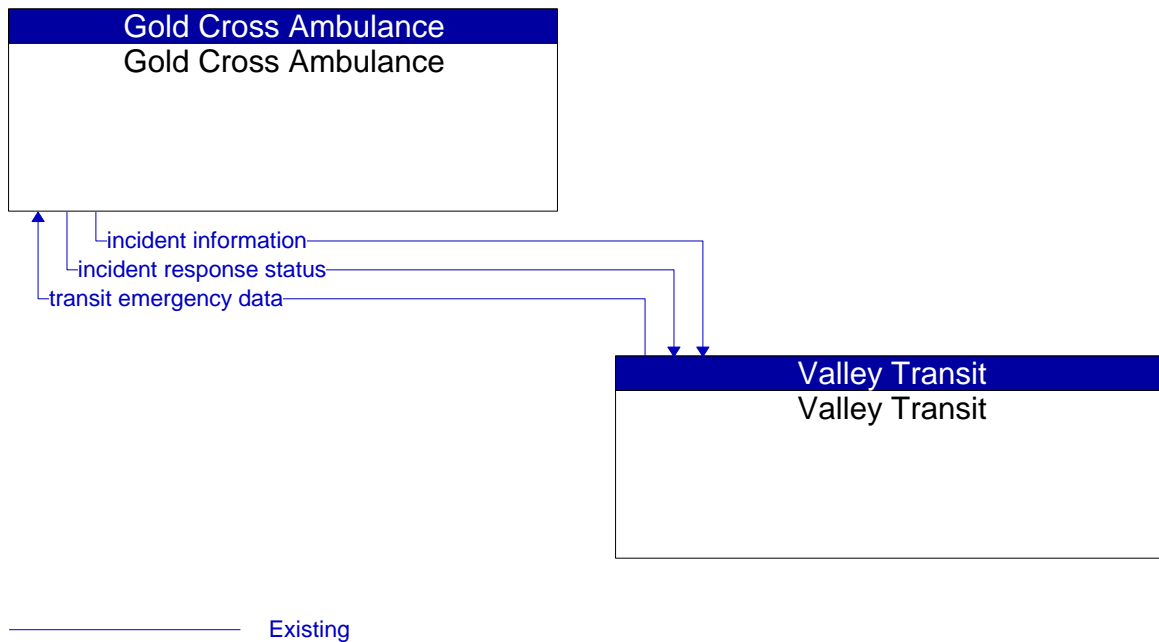


Figure 162: Gold Cross Ambulance - Valley Transit Interface

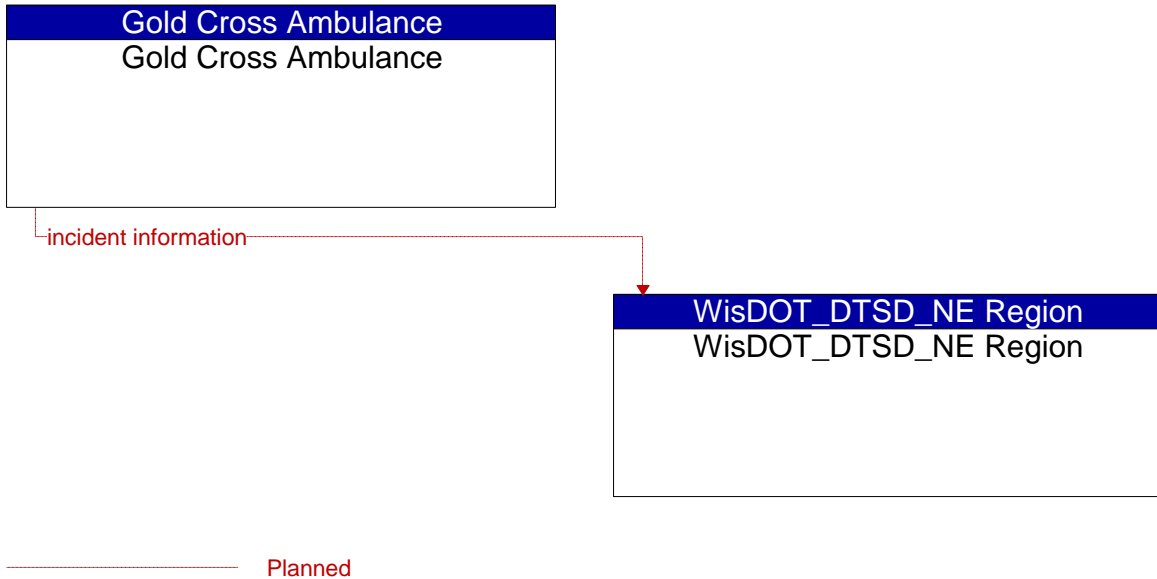


Figure 163: Gold Cross Ambulance - WisDOT_DTSD_NE Region Interface

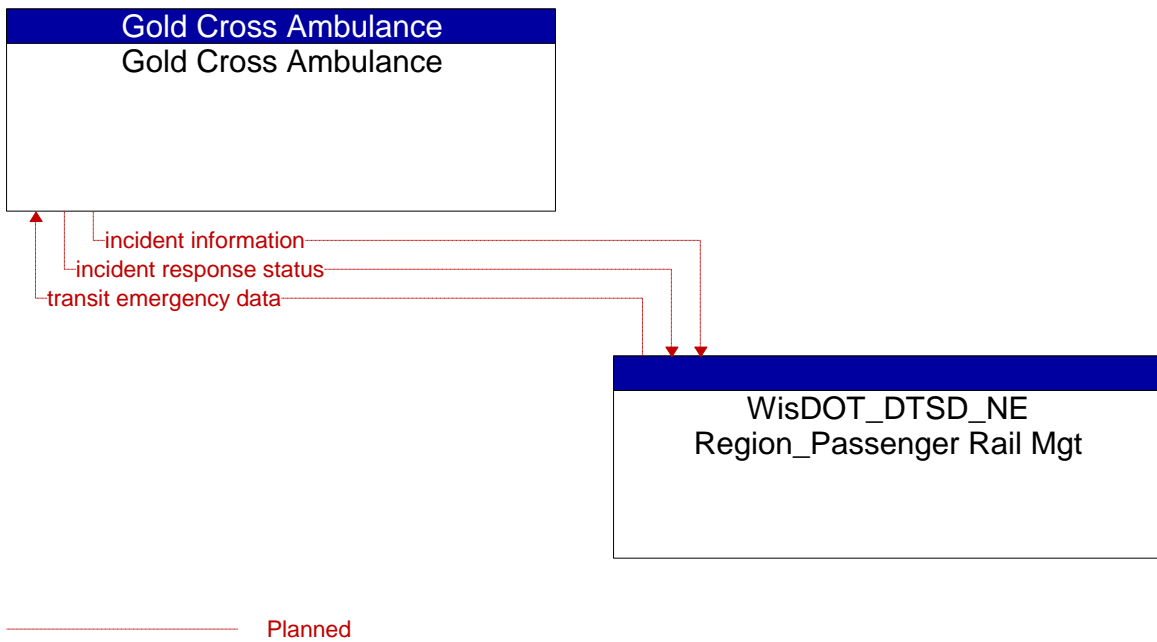


Figure 164: Gold Cross Ambulance - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface

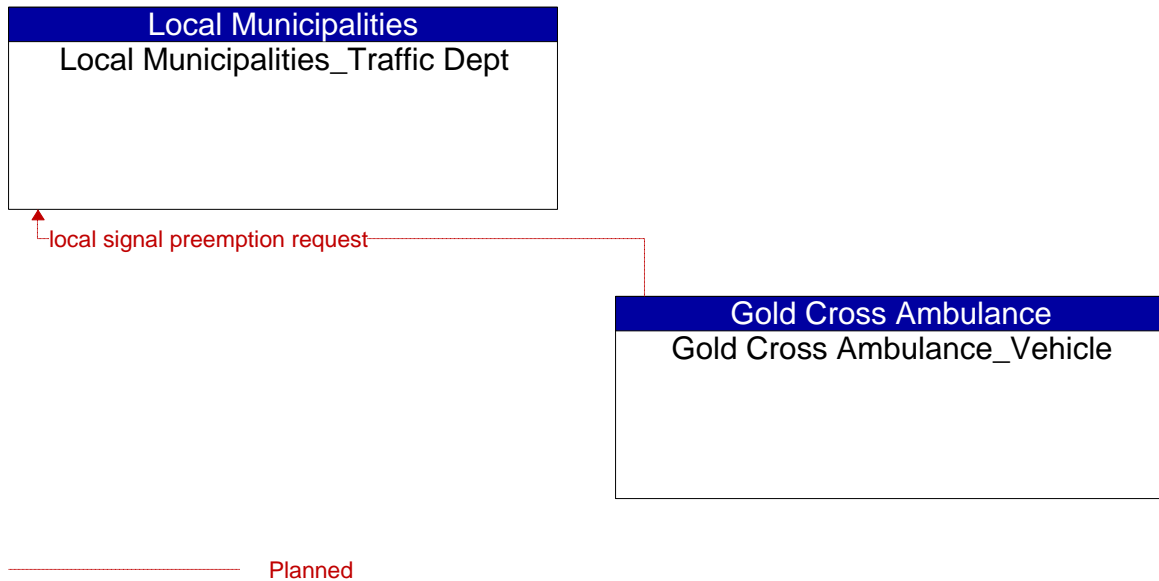


Figure 165: Gold Cross Ambulance_Vehicle - Local Municipalities_Traffic Dept Interface

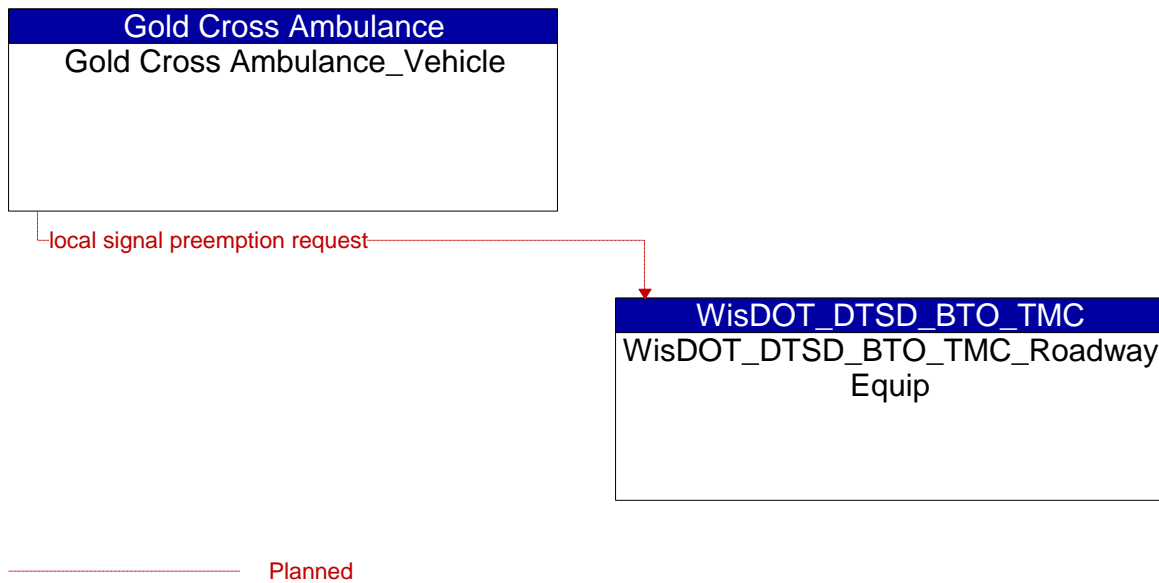


Figure 166: Gold Cross Ambulance_Vehicle - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

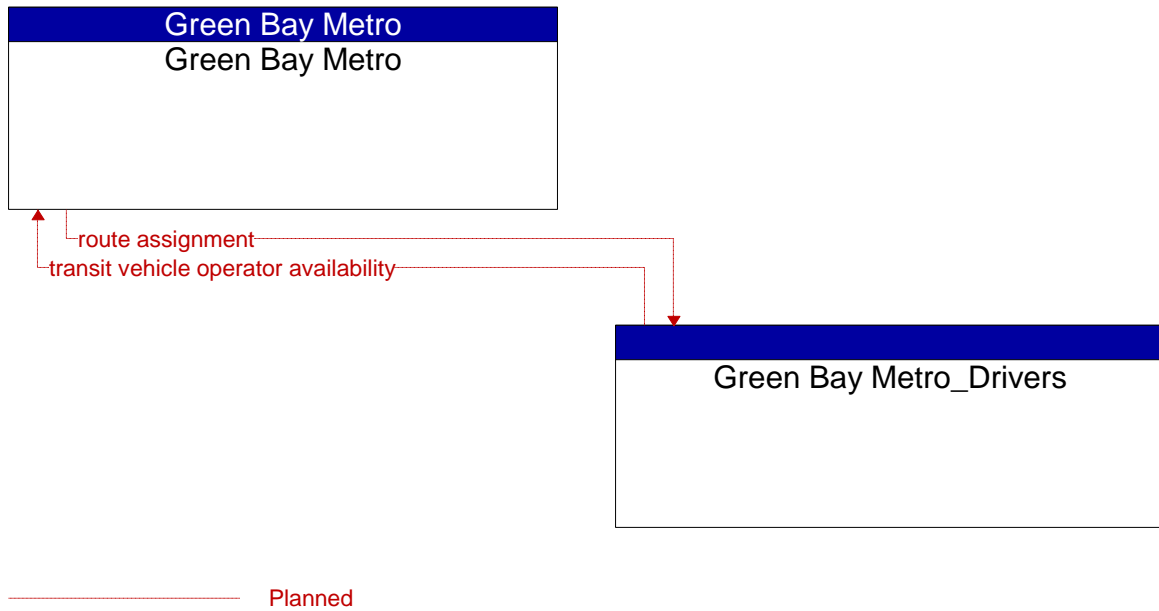


Figure 167: Green Bay Metro - Green Bay Metro_Drivers Interface

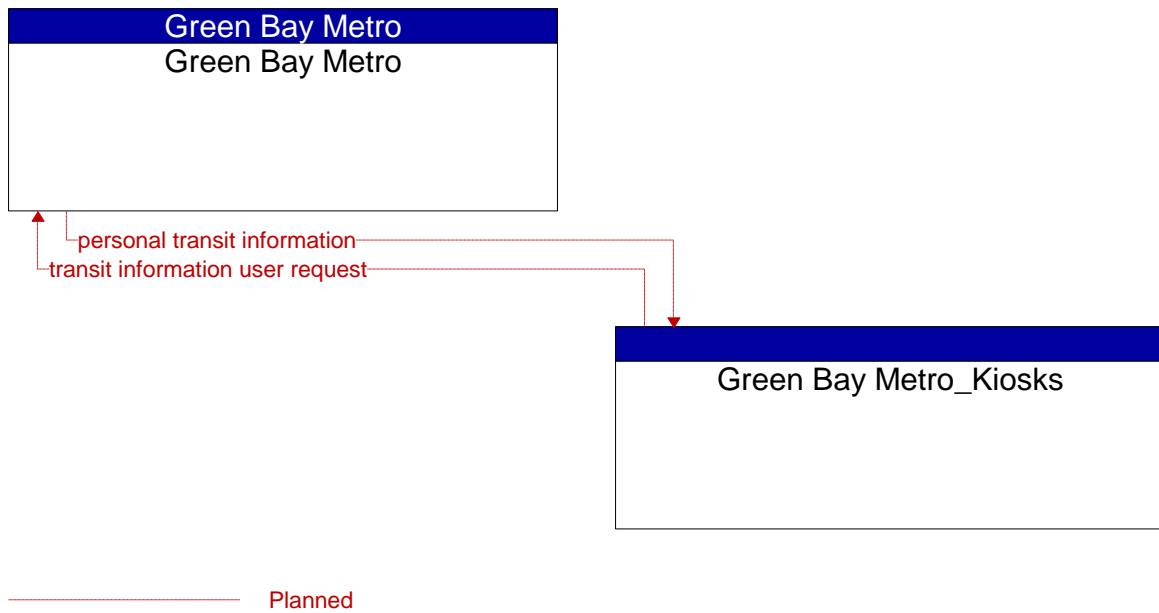


Figure 168: Green Bay Metro - Green Bay Metro_Kiosks Interface

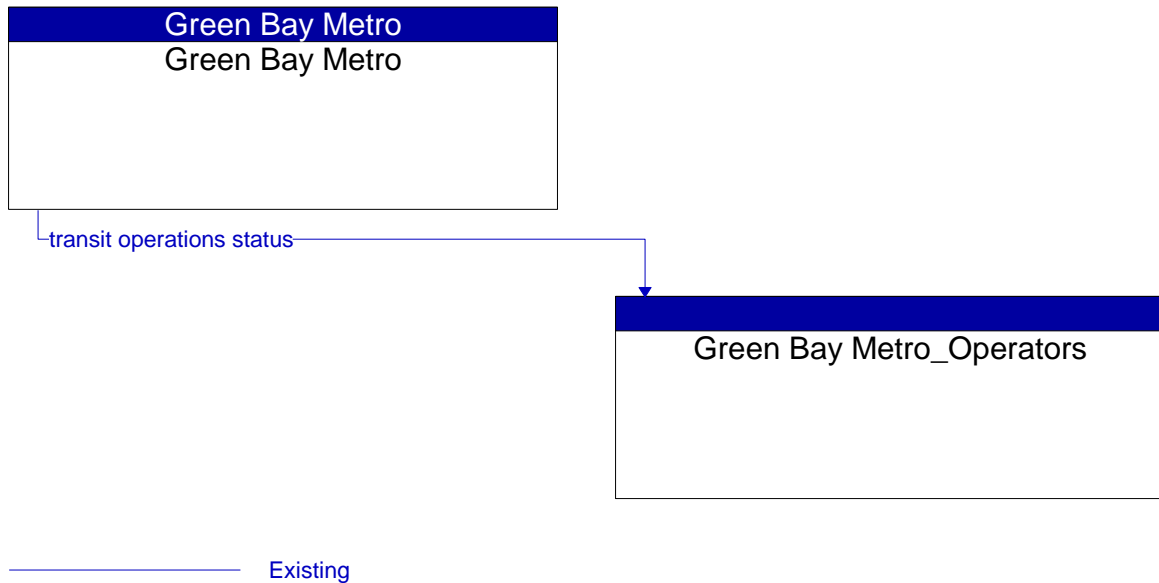


Figure 169: Green Bay Metro - Green Bay Metro_Operators Interface

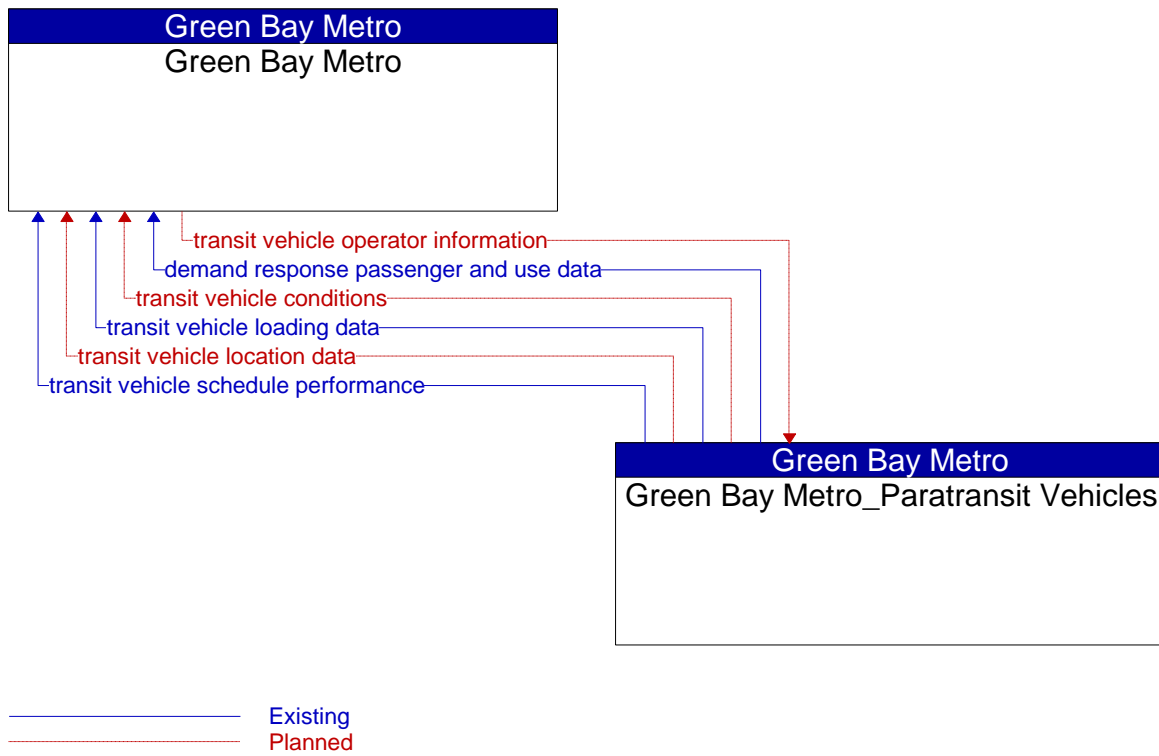


Figure 170: Green Bay Metro - Green Bay Metro_Partransit Vehicles Interface

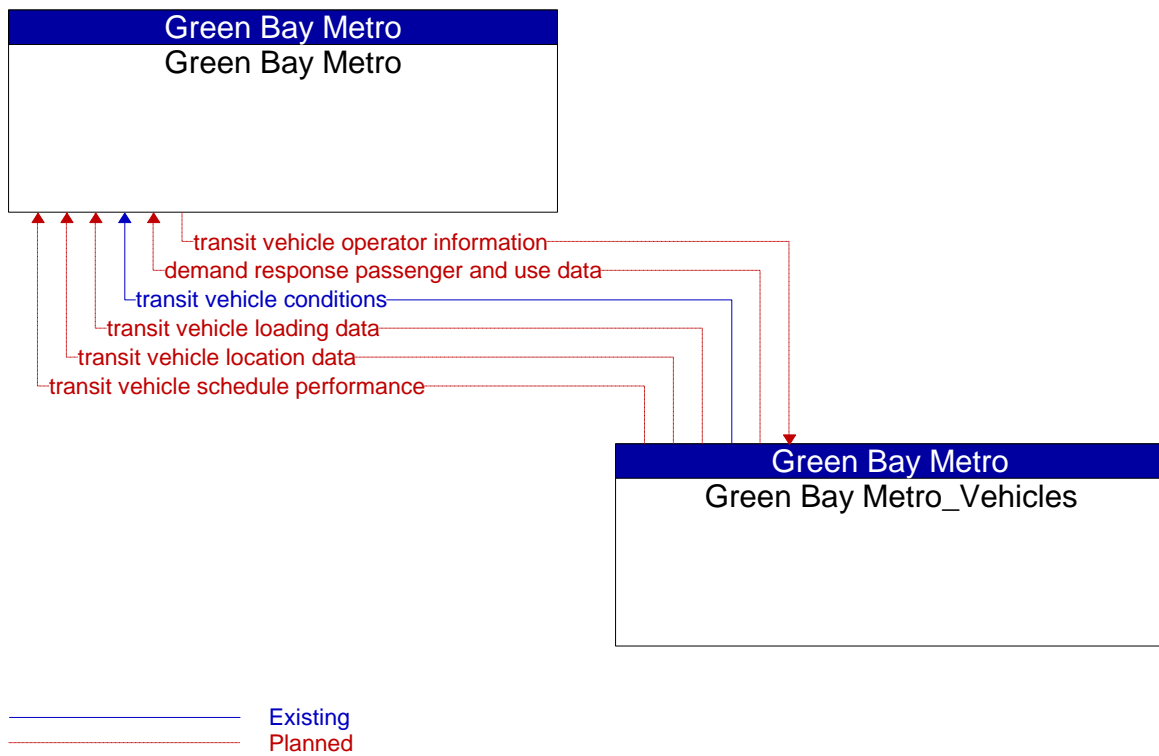


Figure 171: Green Bay Metro - Green Bay Metro_Vehicles Interface

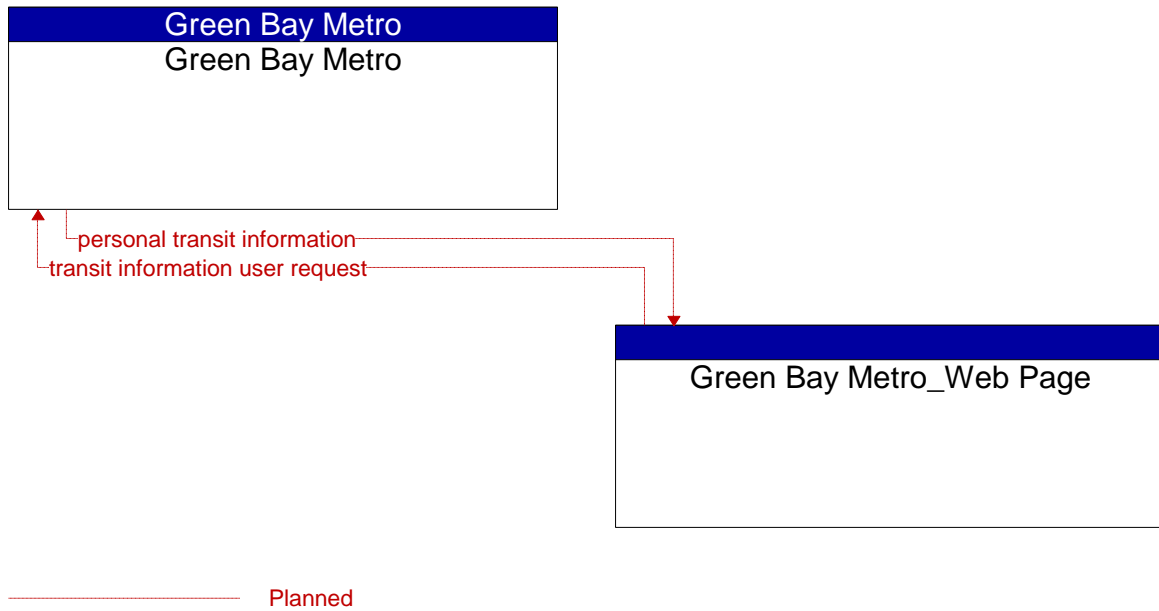


Figure 172: Green Bay Metro - Green Bay Metro_Web Page Interface

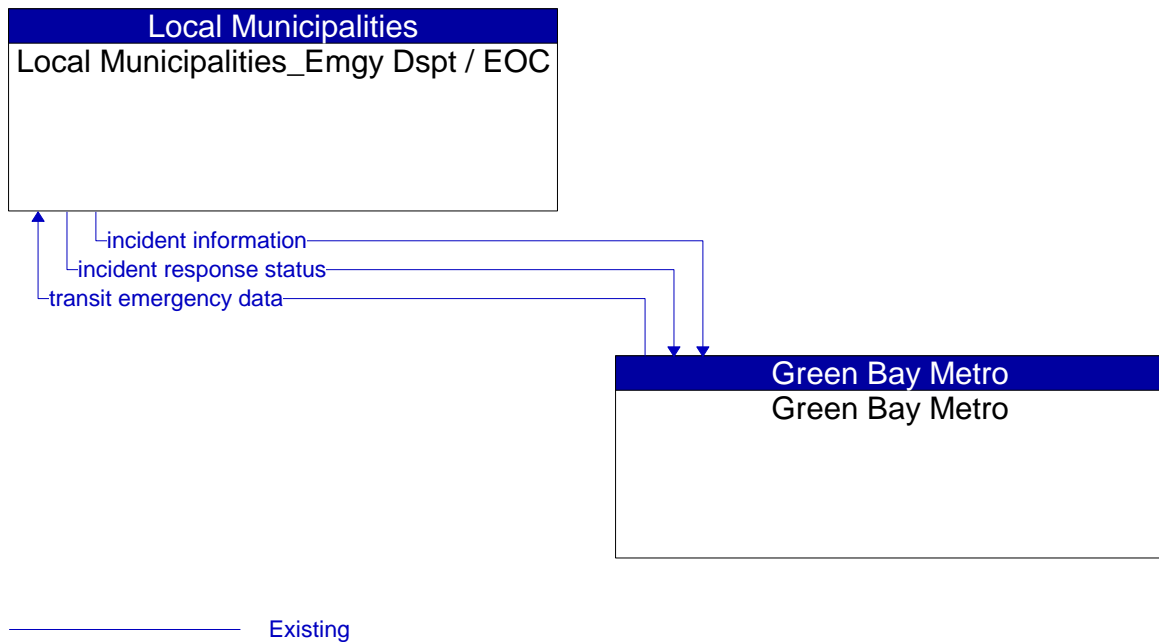


Figure 173: Green Bay Metro - Local Municipalities_Emgd Dspt / EOC Interface

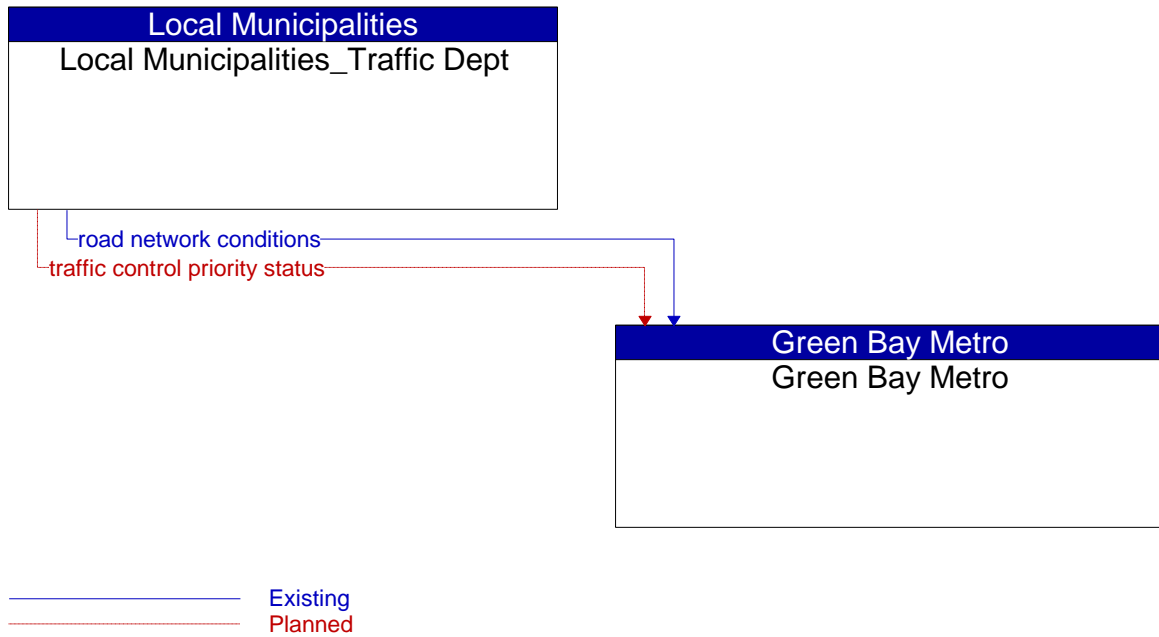


Figure 174: Green Bay Metro - Local Municipalities_Traffic Dept Interface

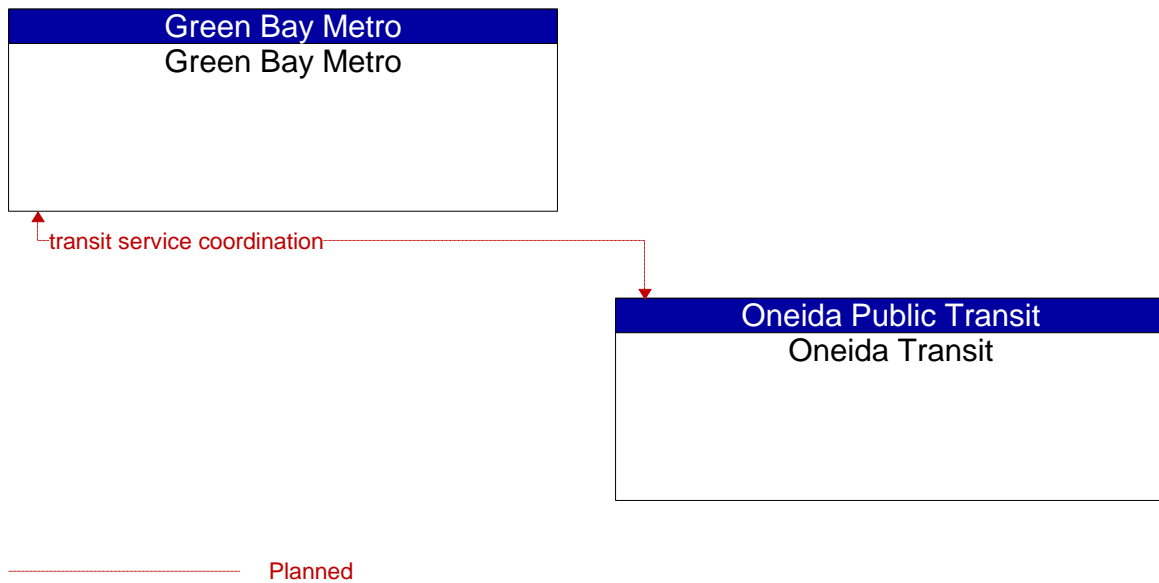


Figure 175: Green Bay Metro - Oneida Transit Interface

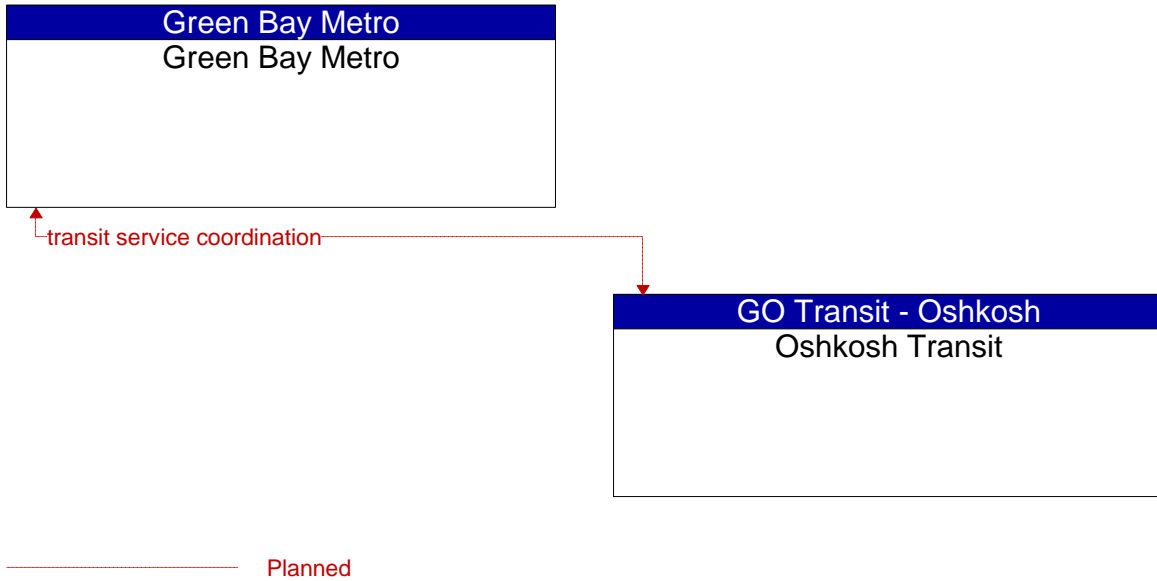


Figure 176: Green Bay Metro - Oshkosh Transit Interface

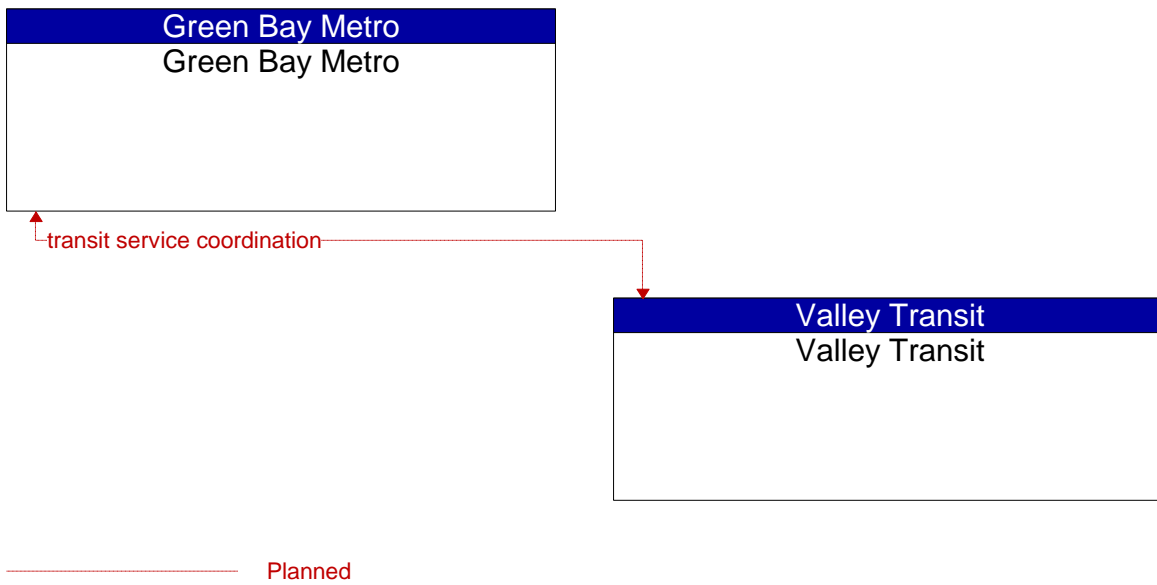


Figure 177: Green Bay Metro - Valley Transit Interface

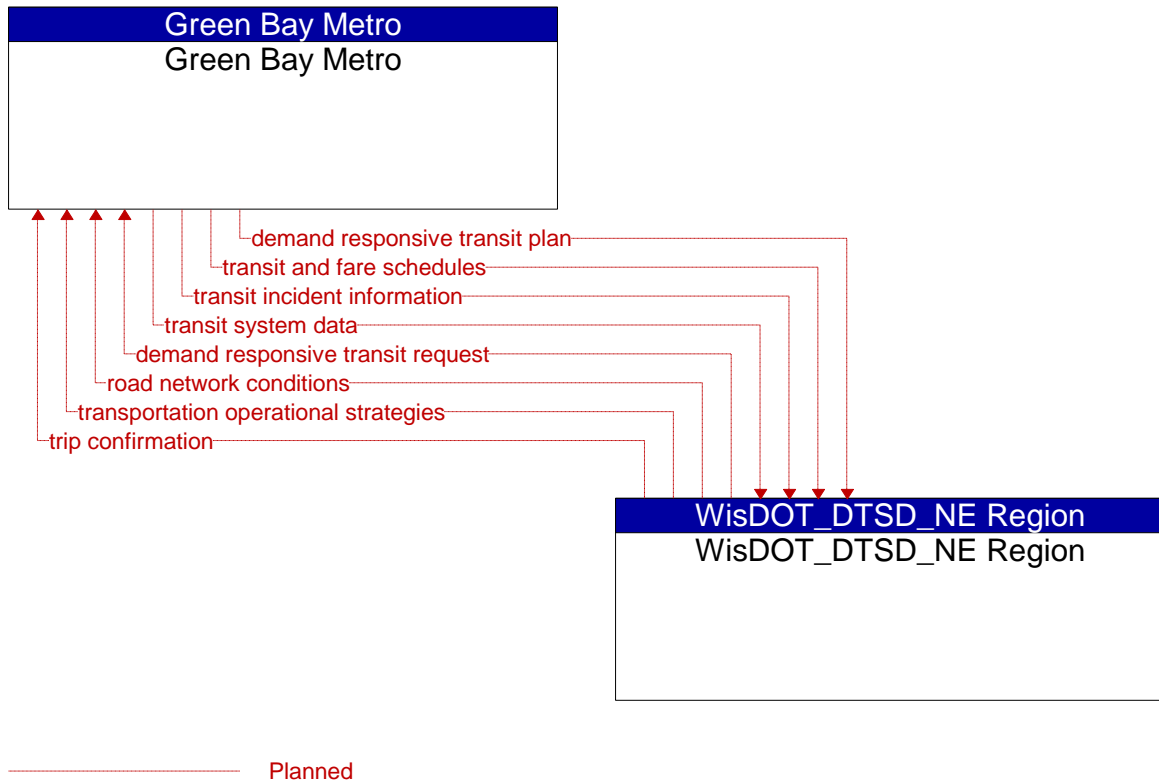


Figure 178: Green Bay Metro - WisDOT_DTSD_NE Region Interface

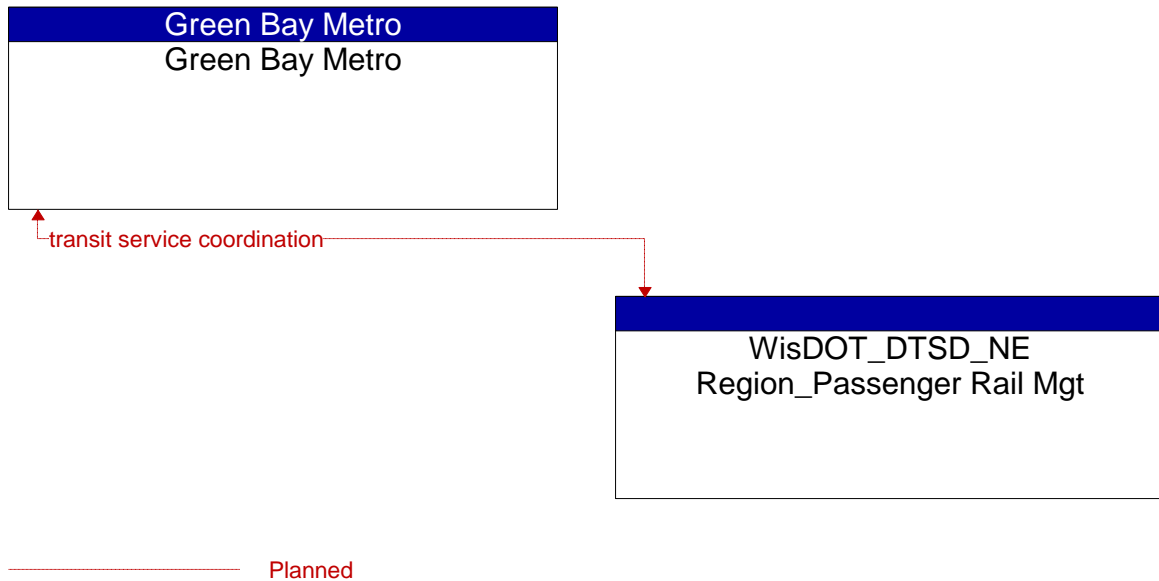


Figure 179: Green Bay Metro - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface

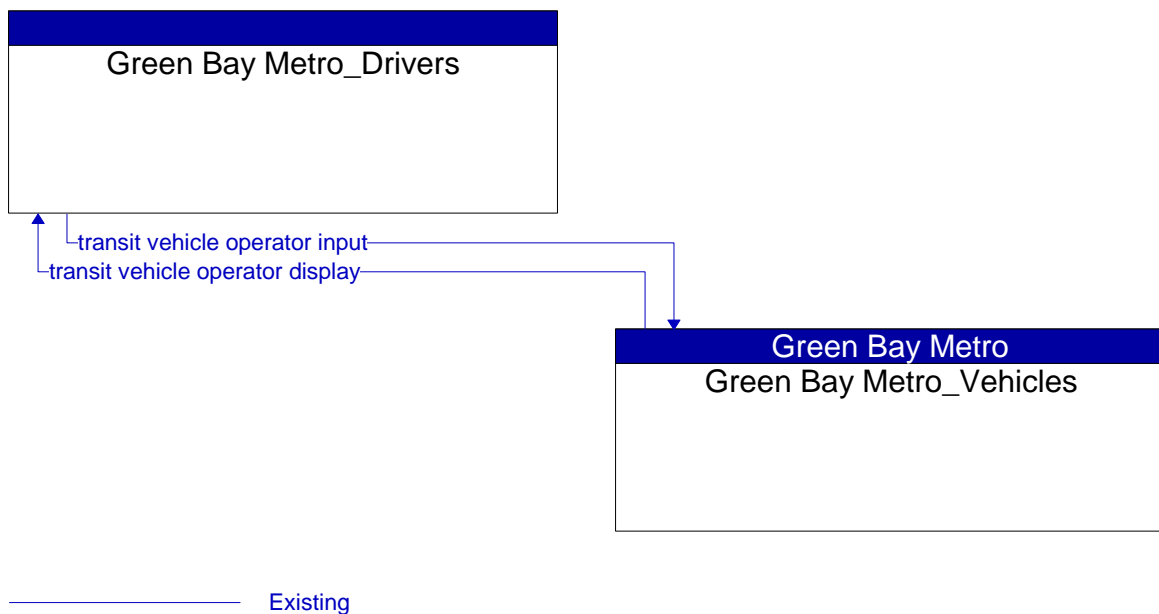


Figure 180: Green Bay Metro_Drivers - Green Bay Metro_Vehicles Interface

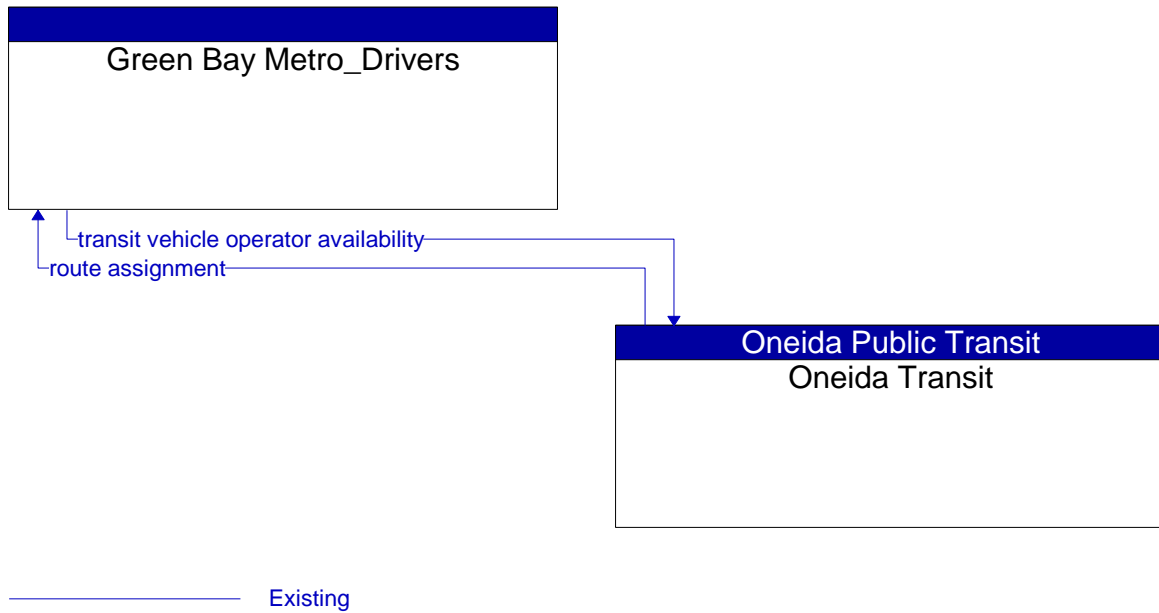


Figure 181: Green Bay Metro_Drivers - Oneida Transit Interface

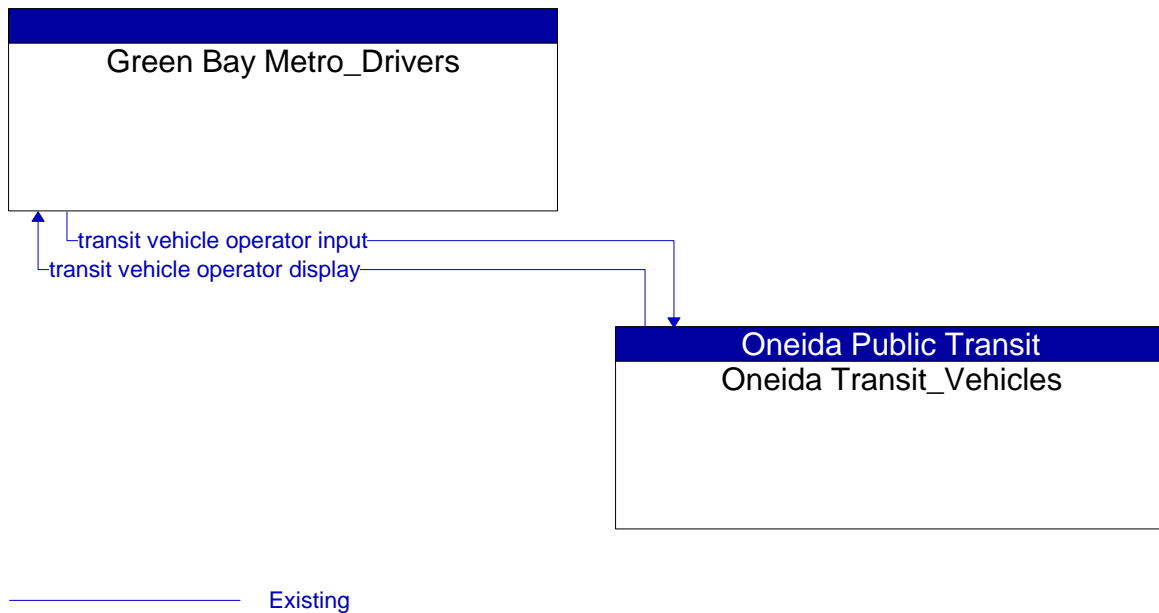


Figure 182: Green Bay Metro_Drivers - Oneida Transit_Vehicles Interface

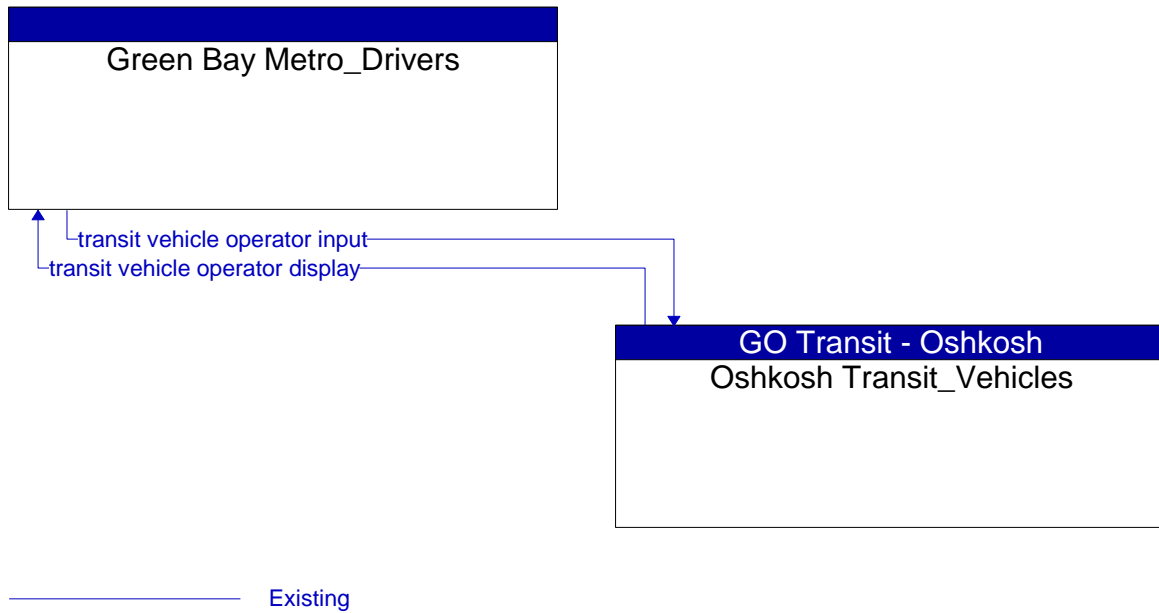


Figure 183: Green Bay Metro_Drivers - Oshkosh Transit_Vehicles Interface

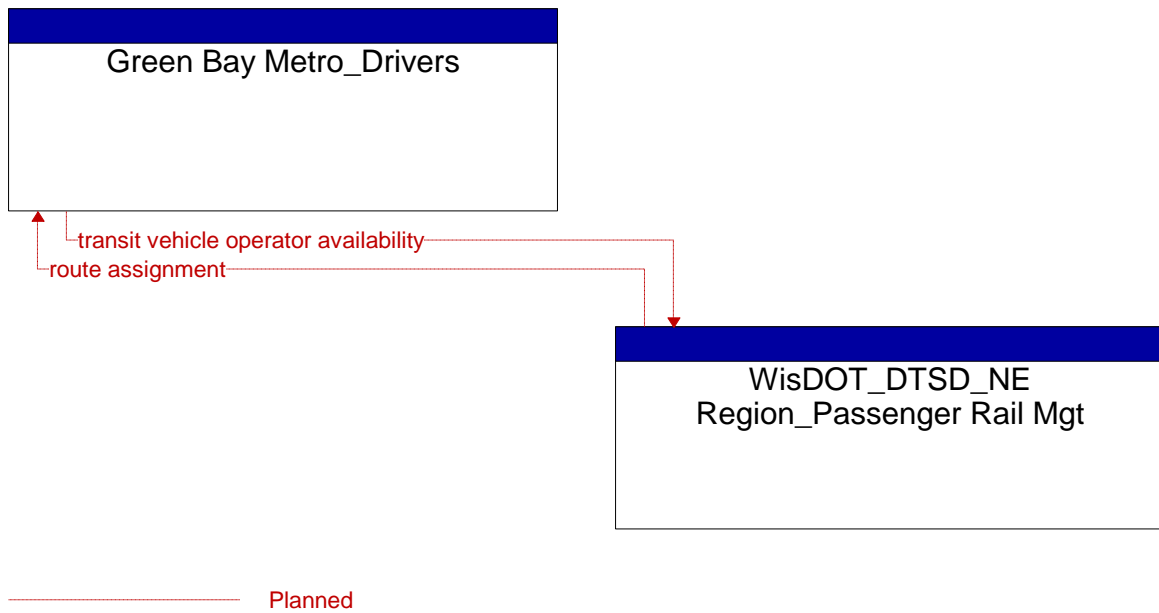


Figure 184: Green Bay Metro_Drivers - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface

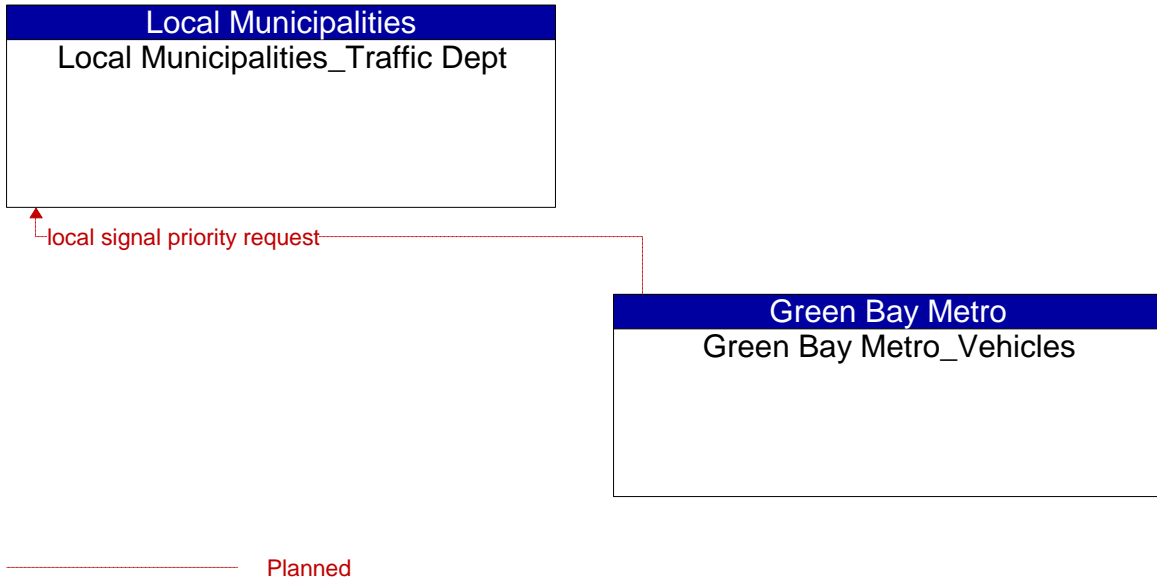


Figure 185: Green Bay Metro_Vehicles - Local Municipalities_Traffic Dept Interface

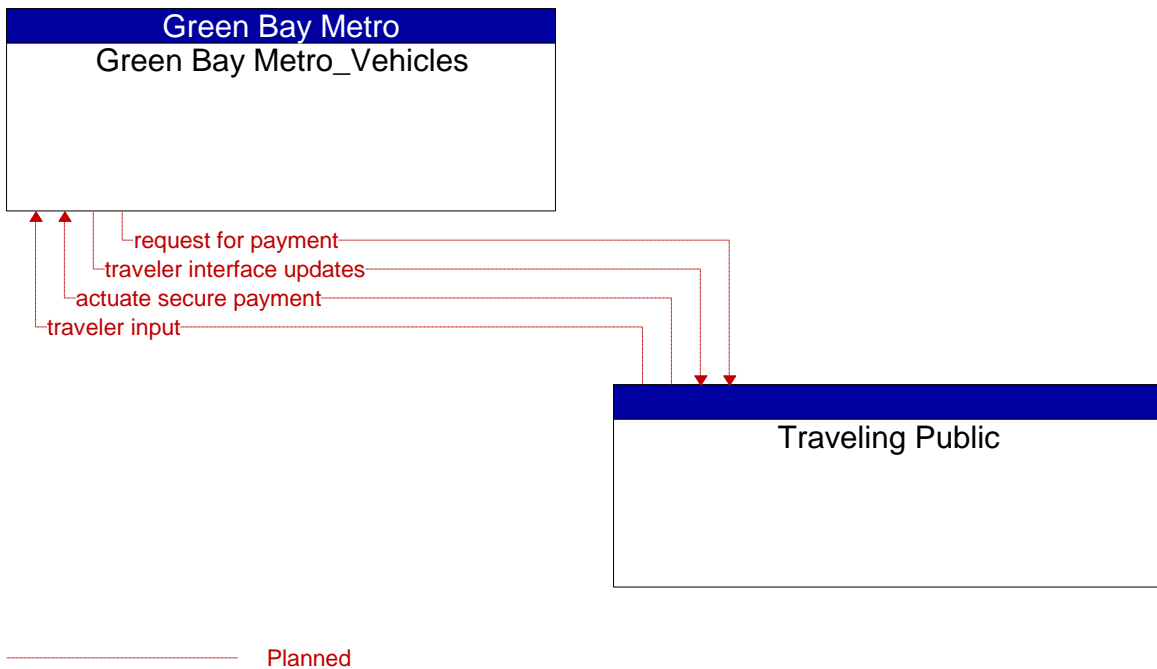


Figure 186: Green Bay Metro_Vehicles - Traveling Public Interface

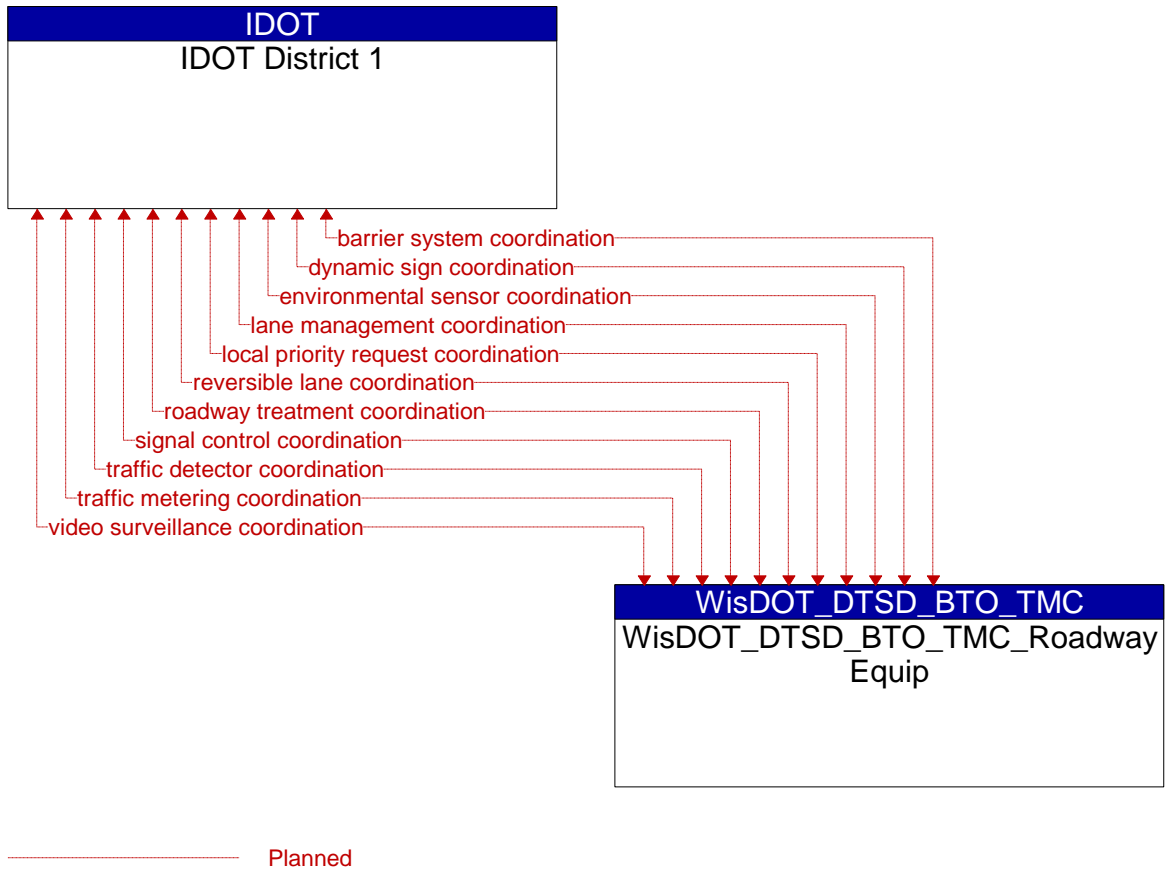


Figure 187: IDOT District 1 - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

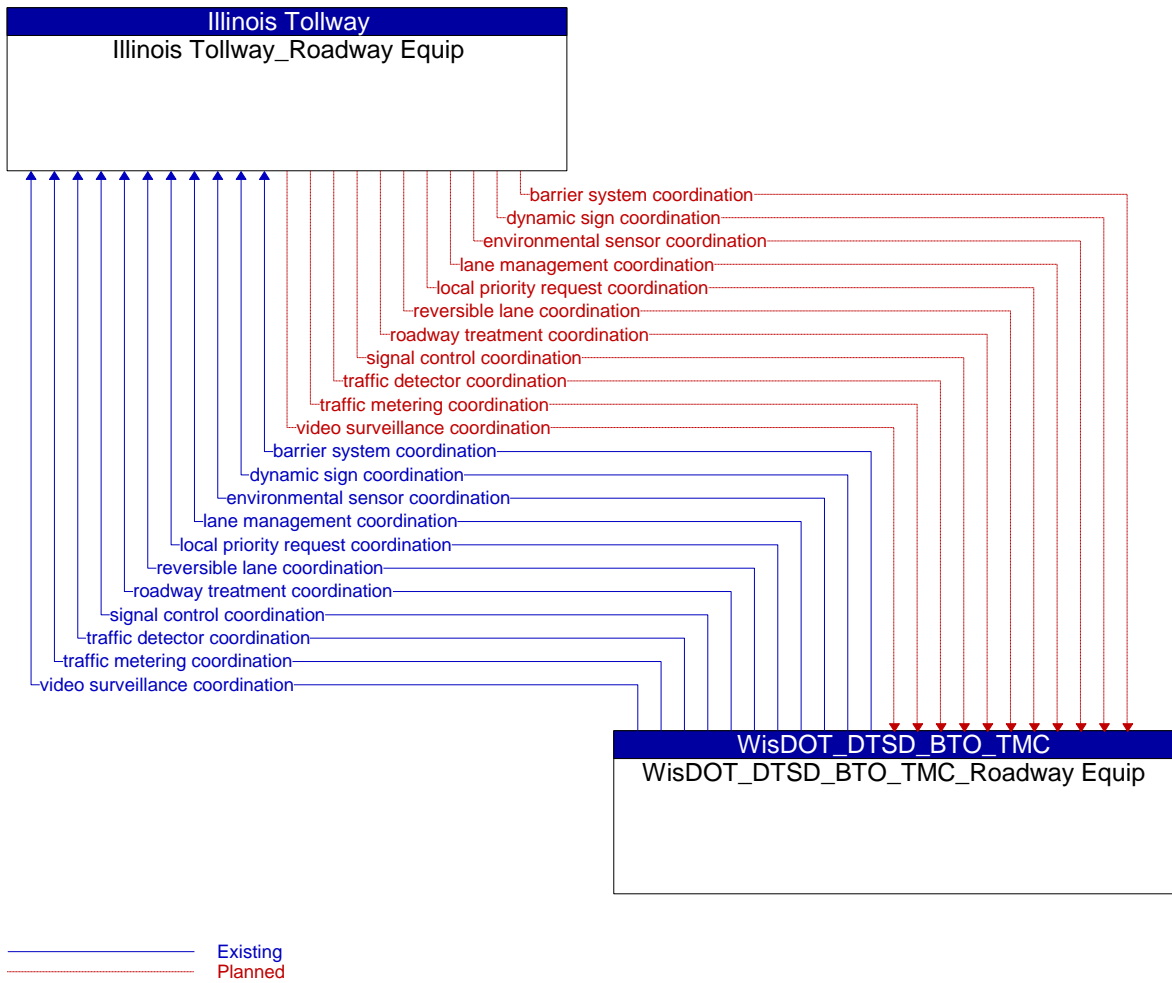


Figure 188: Illinois Tollway_Roadway Equip - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

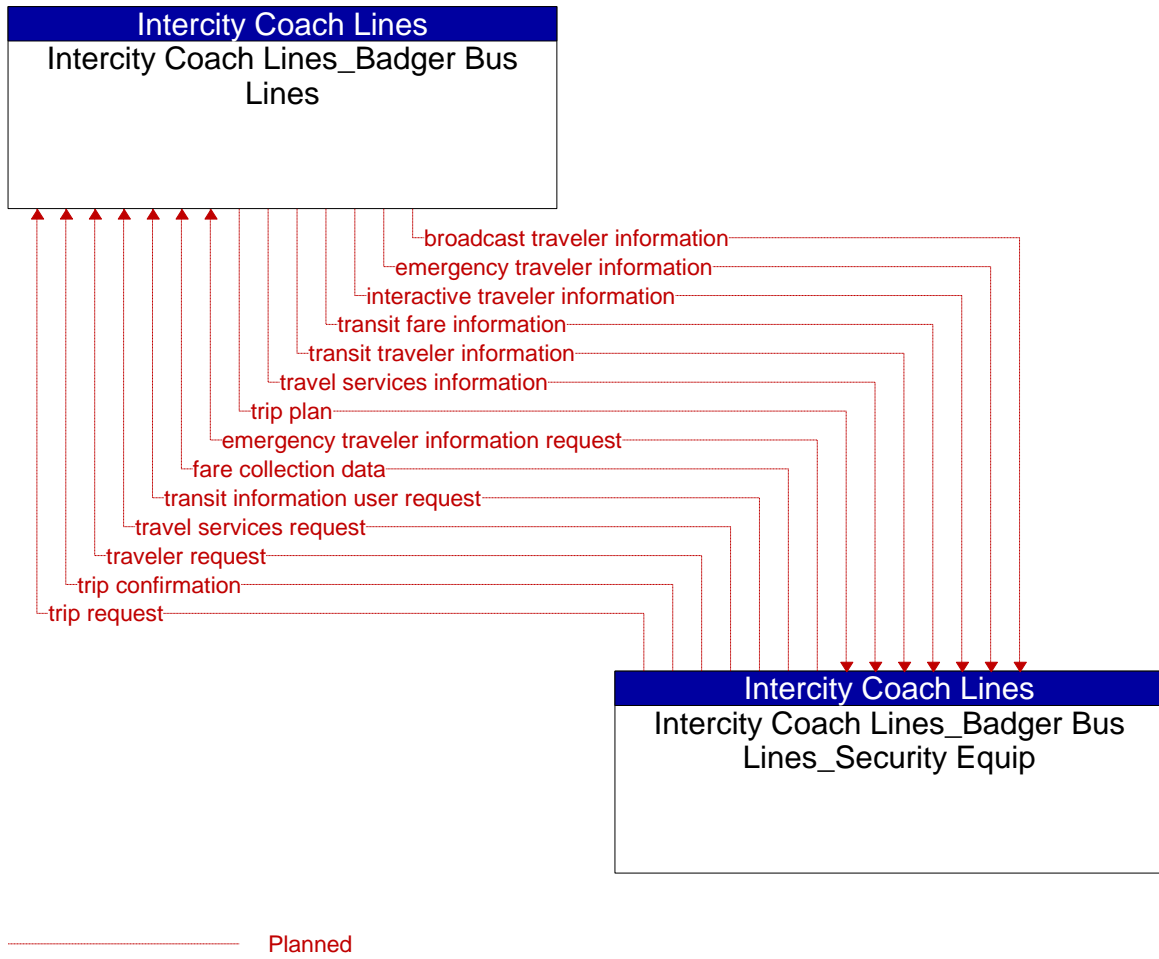


Figure 189: Intercity Coach Lines_Badger Bus Lines - Intercity Coach Lines_Badger Bus Lines_Security Equip Interface

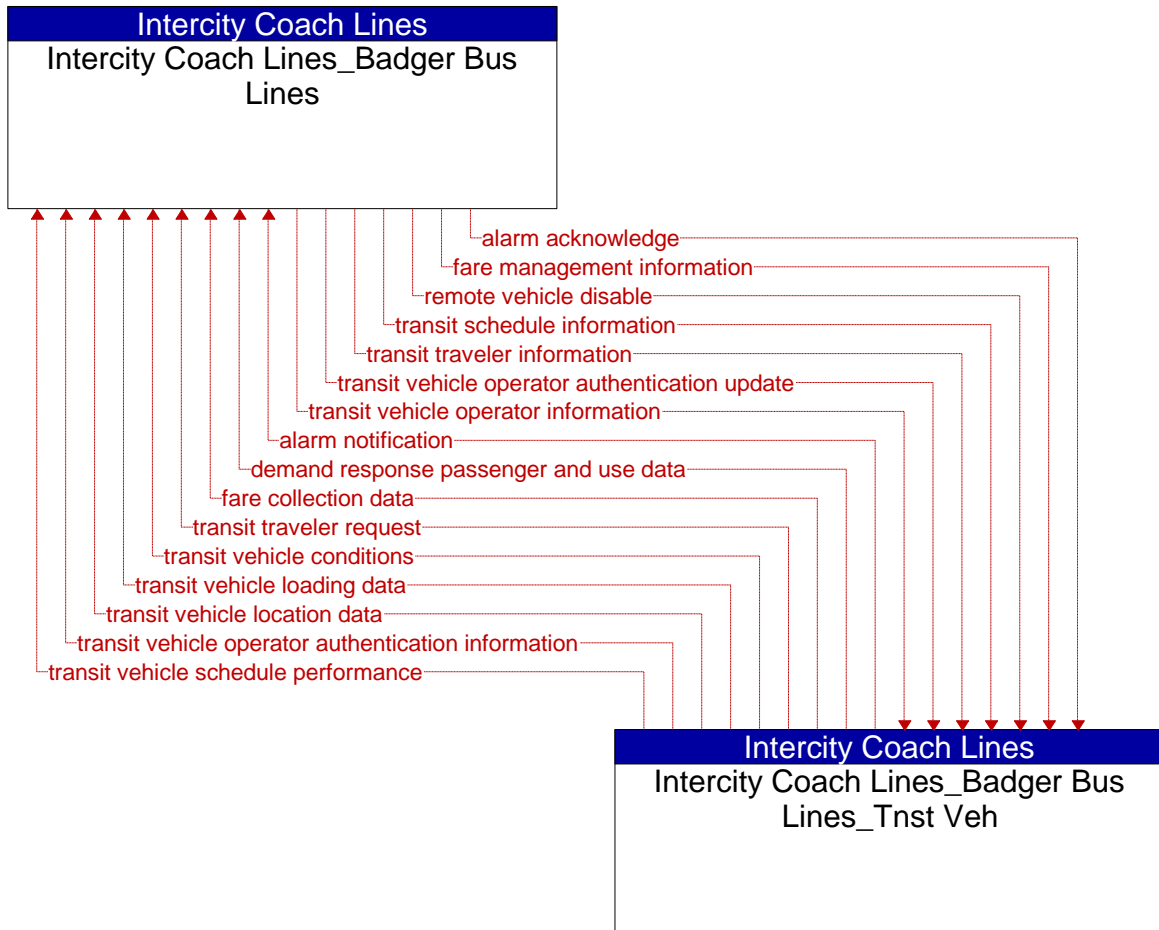


Figure 190: Intercity Coach Lines_Badger Bus Lines - Intercity Coach Lines_Badger Bus Lines_Tnst Veh Interface

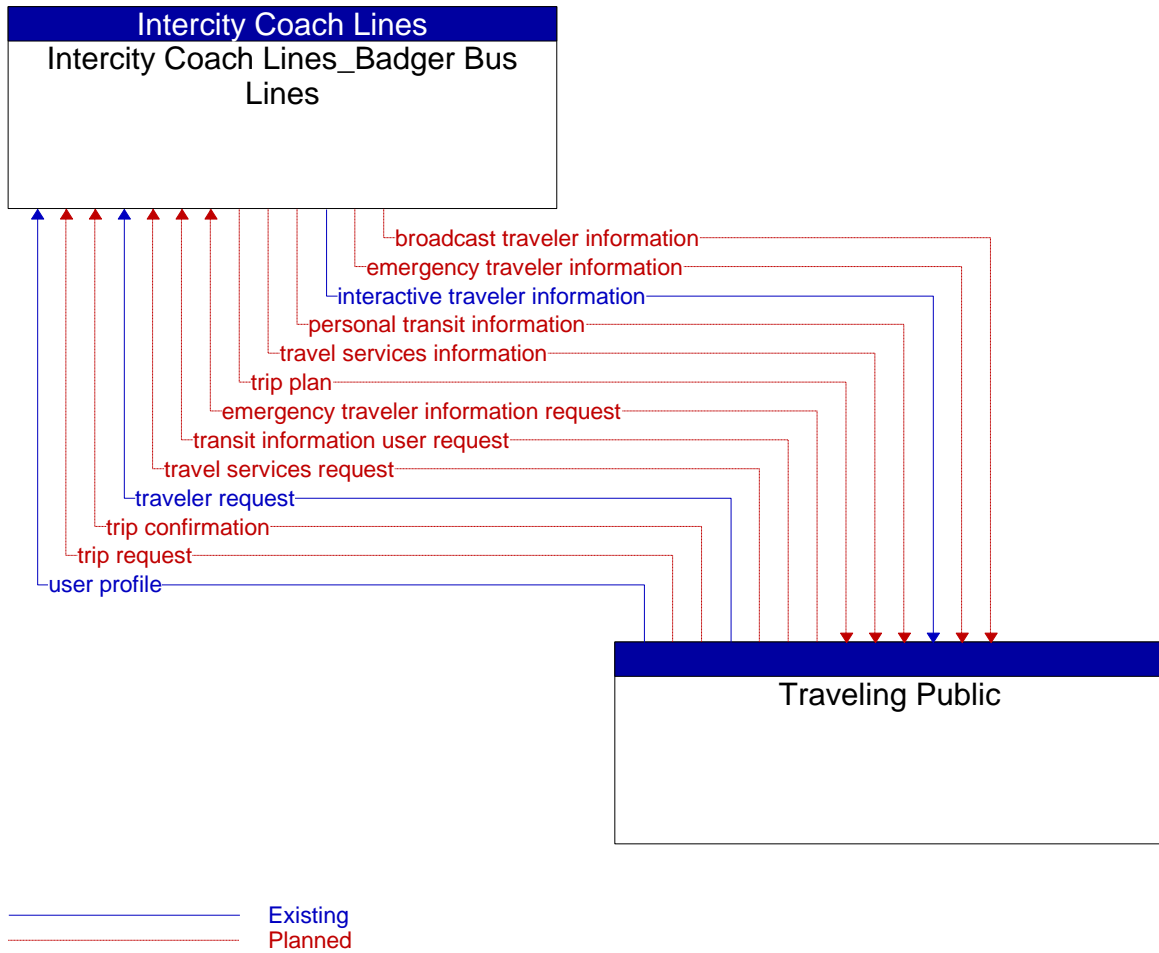


Figure 191: Intercity Coach Lines_Badger Bus Lines - Traveling Public Interface

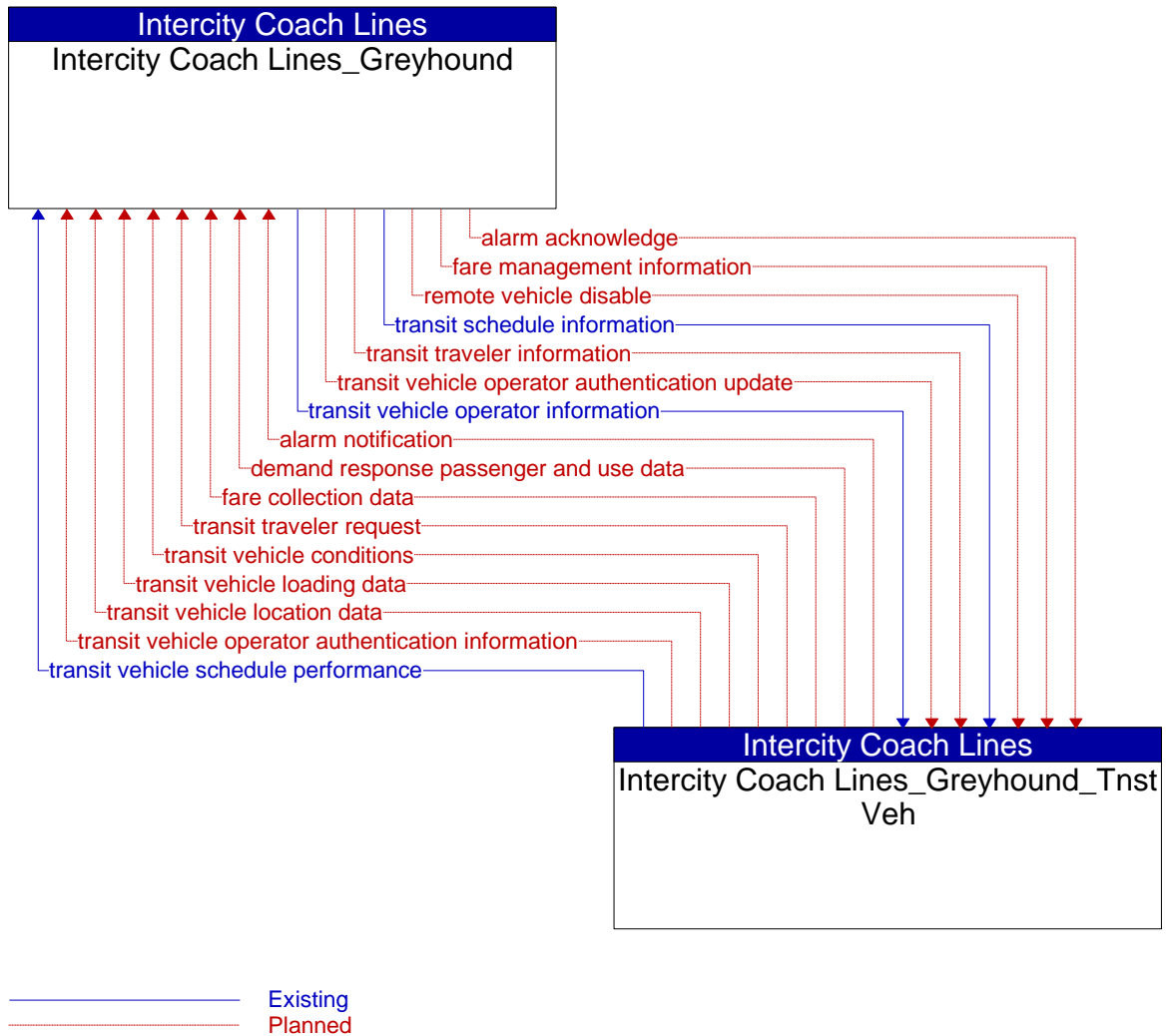


Figure 192: Intercity Coach Lines_Greyhound - Intercity Coach Lines_Greyhound_Tnst Veh Interface

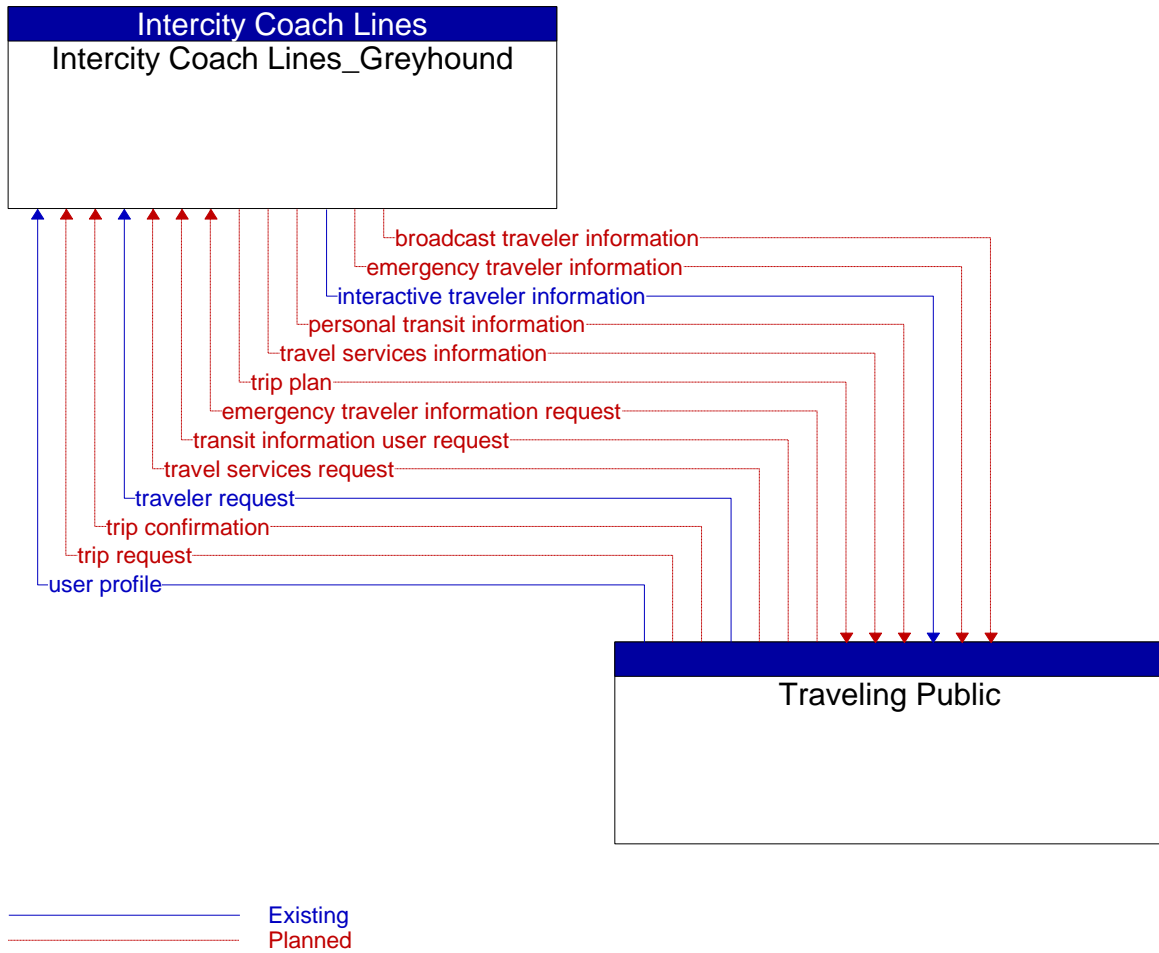
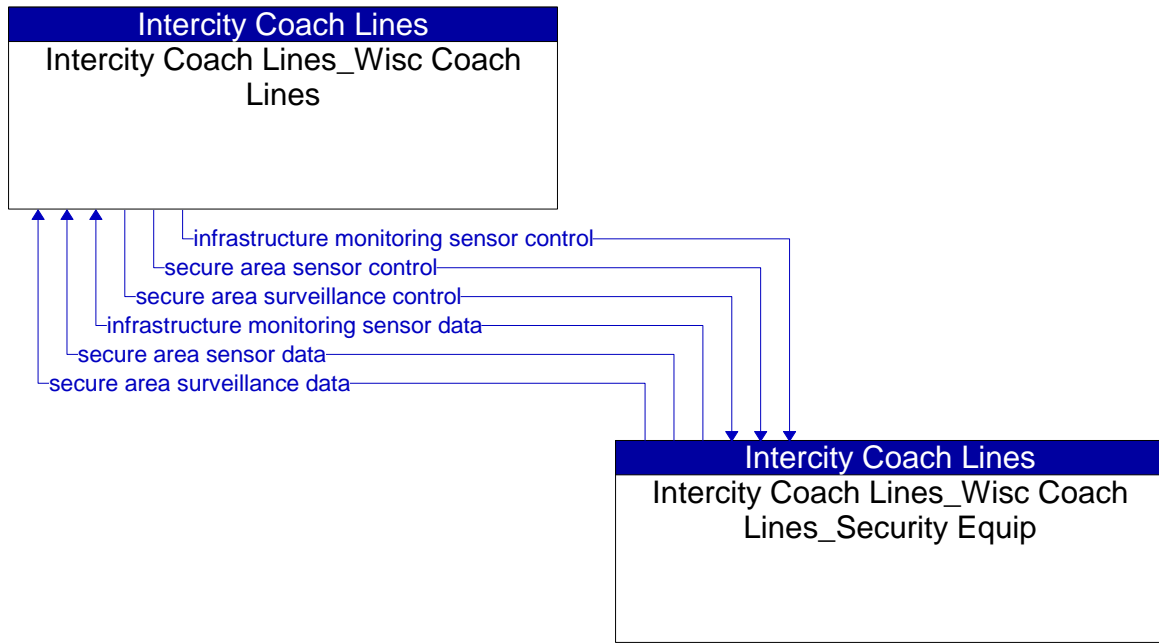


Figure 193: Intercity Coach Lines_Greyhound - Traveling Public Interface



Existing

Figure 194: Intercity Coach Lines_Wisc Coach Lines - Intercity Coach Lines_Wisc Coach Lines_Security Equip Interface

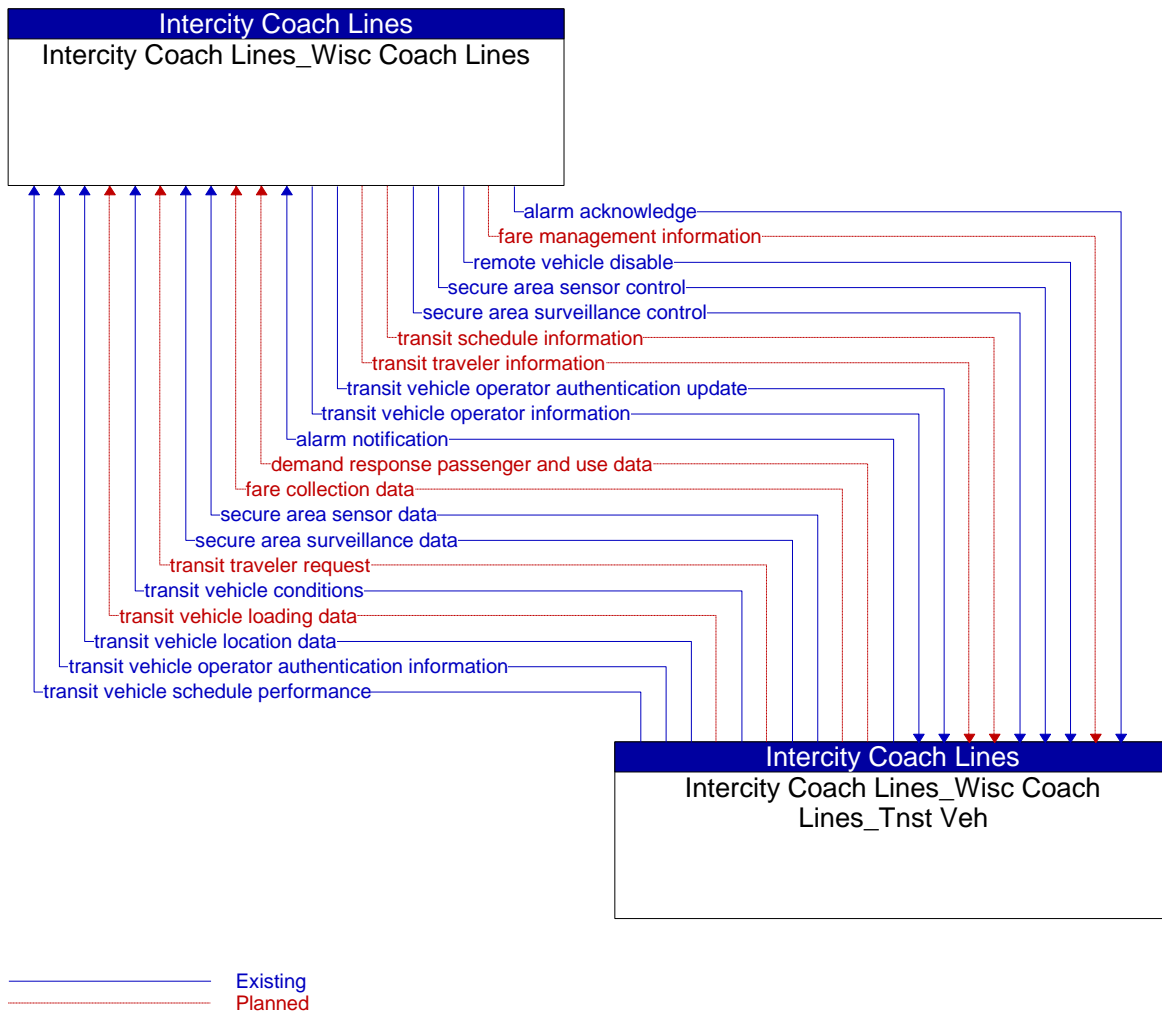


Figure 195: Intercity Coach Lines_Wisc Coach Lines - Intercity Coach Lines_Wisc Coach Lines_Tnst Veh Interface

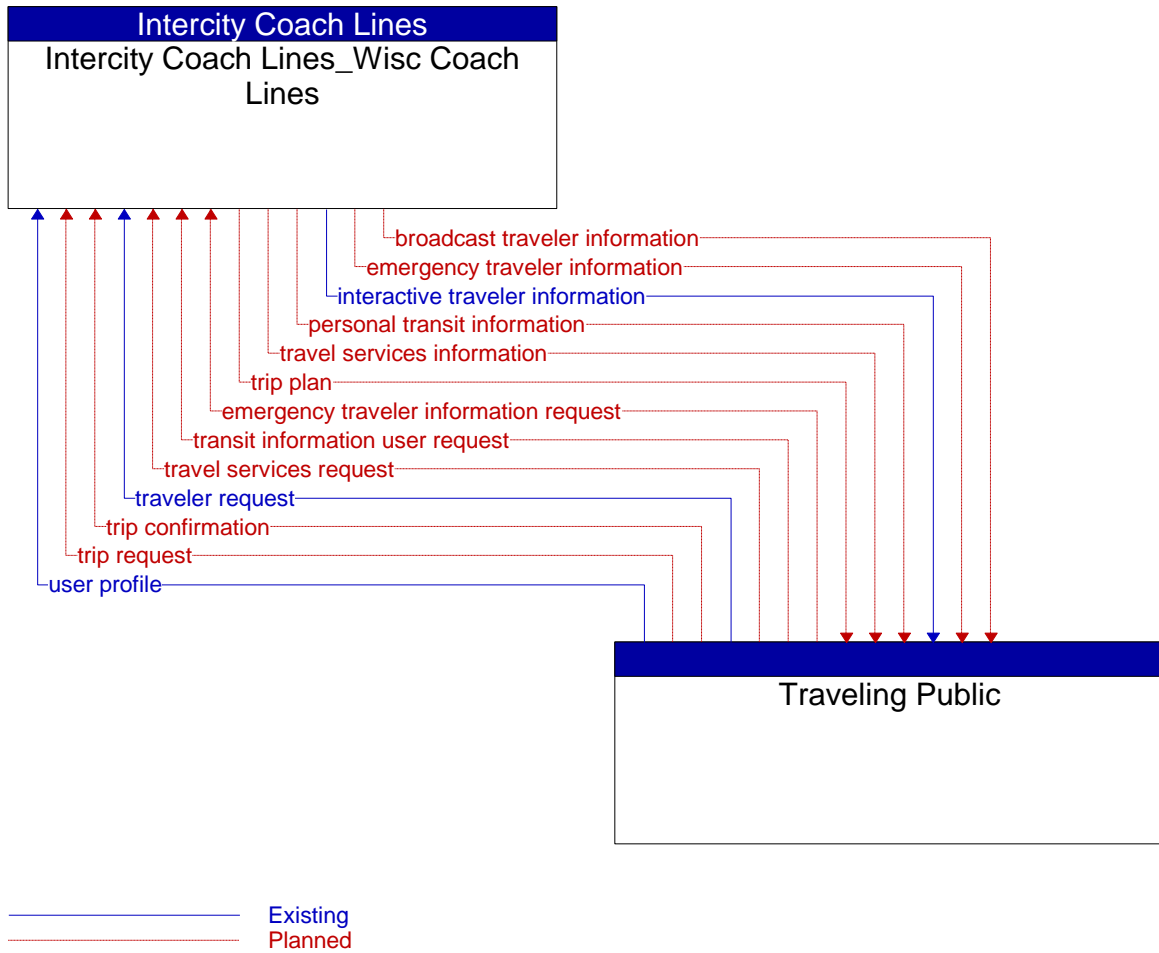


Figure 196: Intercity Coach Lines_Wisc Coach Lines - Traveling Public Interface

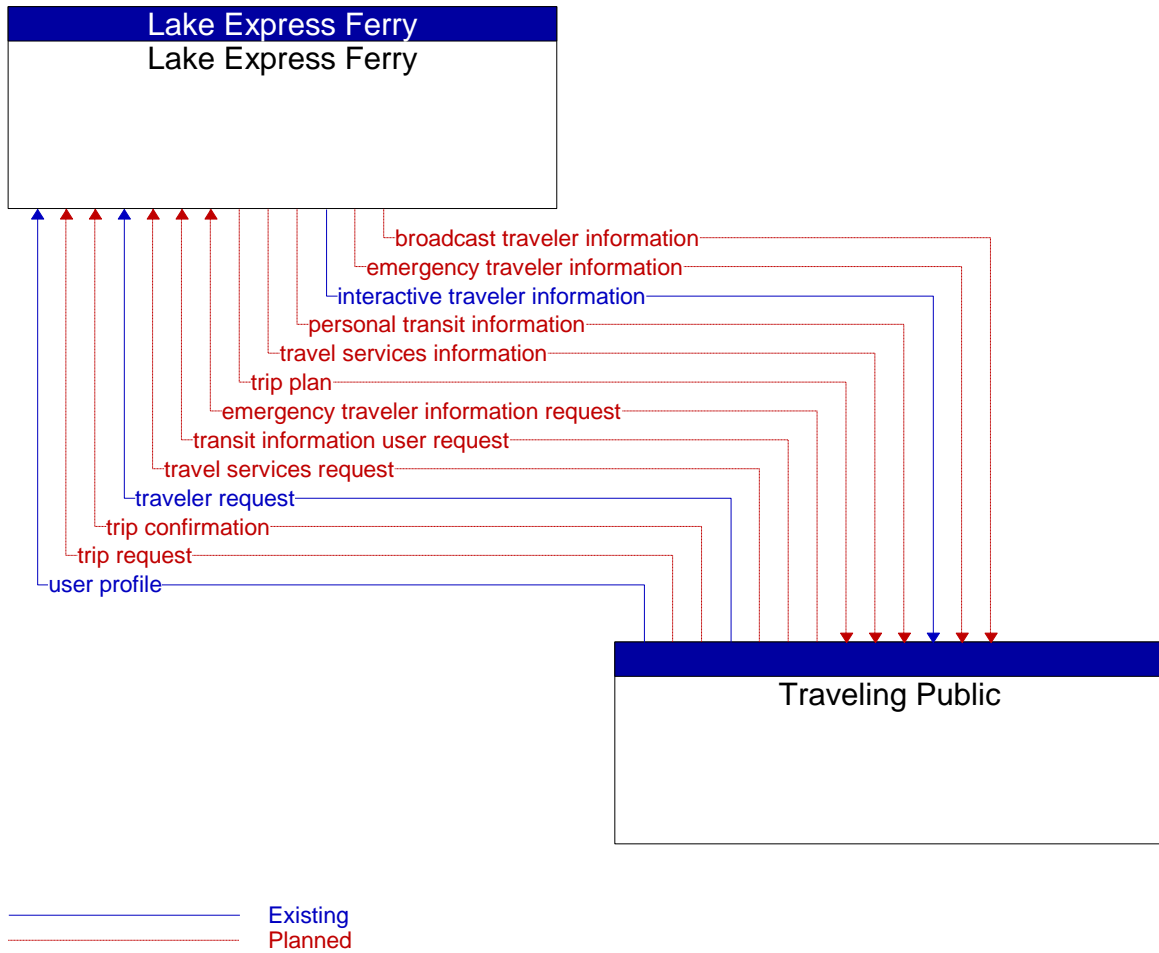


Figure 197: Lake Express Ferry - Traveling Public Interface

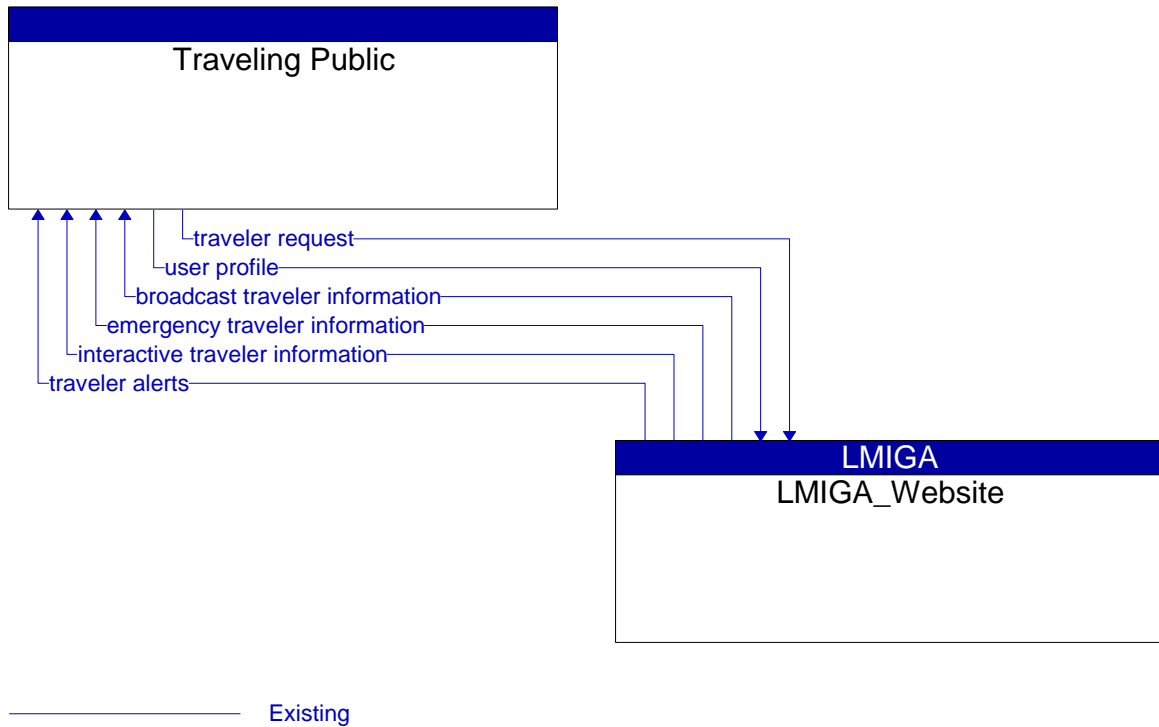


Figure 198: LMIGA_Website - Traveling Public Interface

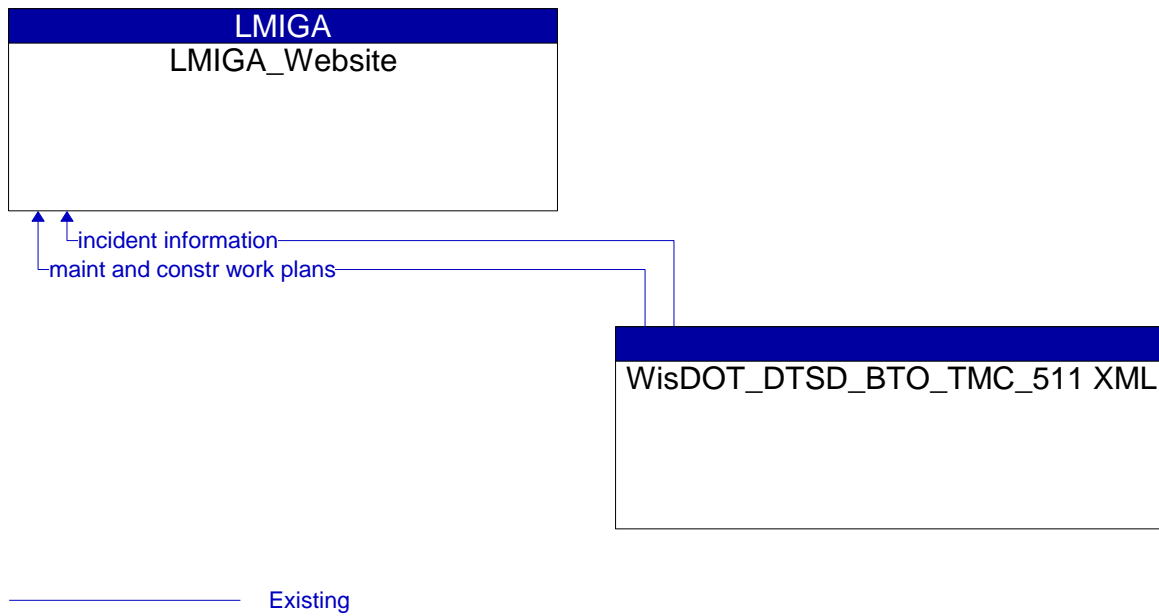


Figure 199: LMIGA_Website - WisDOT_DTSD_BTO_TMC_511 XML Interface

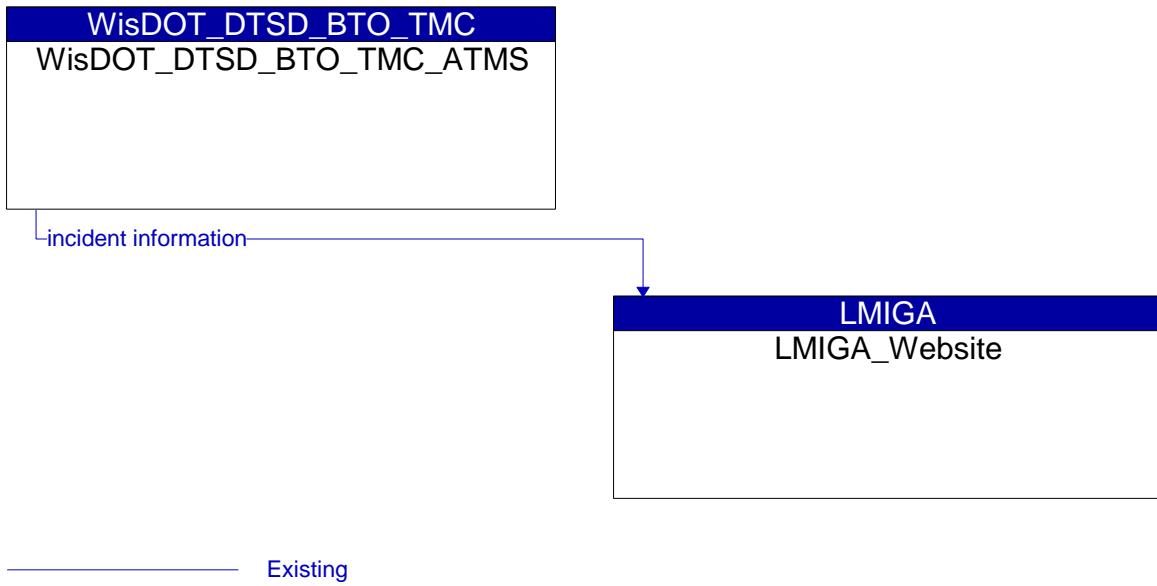


Figure 200: LMIGA_Website - WisDOT_DTSD_BTO_TMC_ATMS Interface

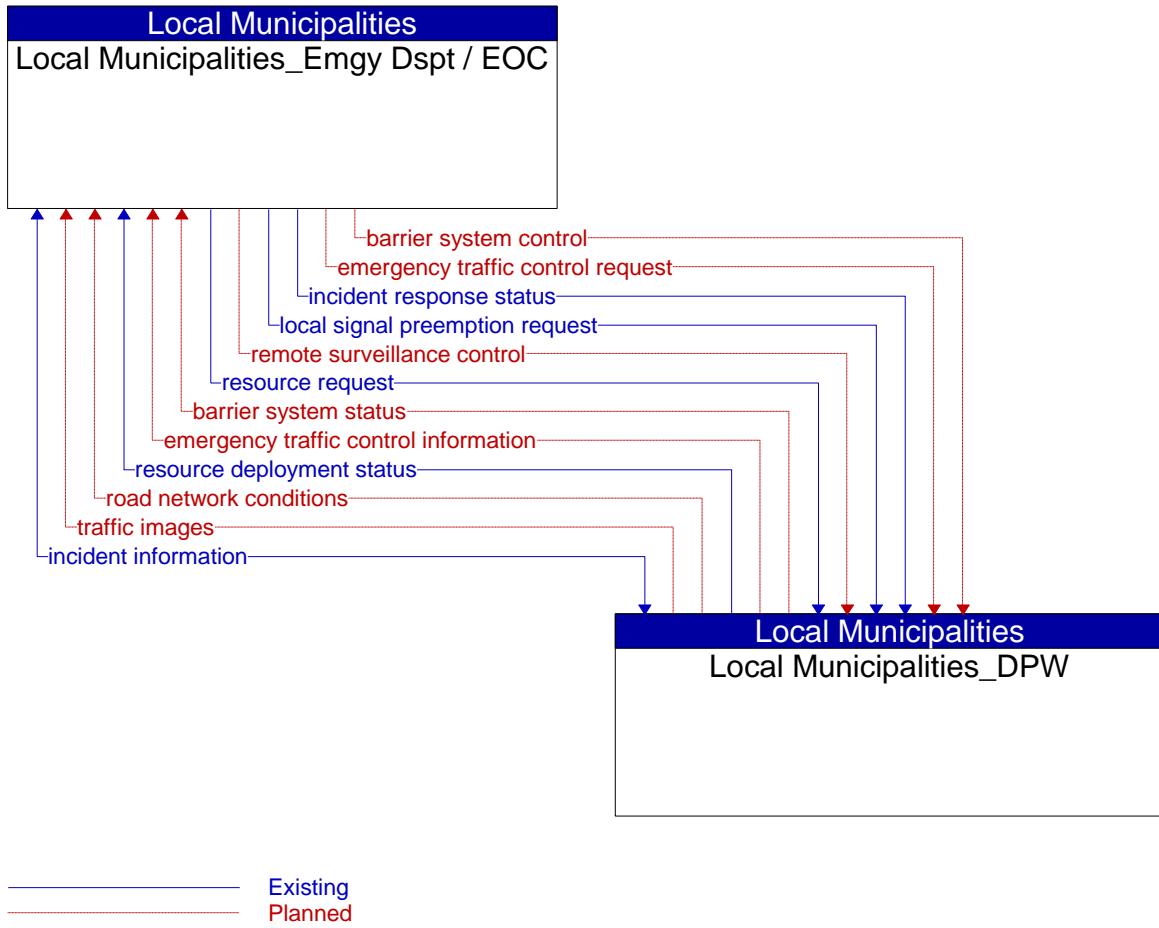


Figure 201: Local Municipalities_DPW - Local Municipalities_Emgv Dspt / EOC Interface

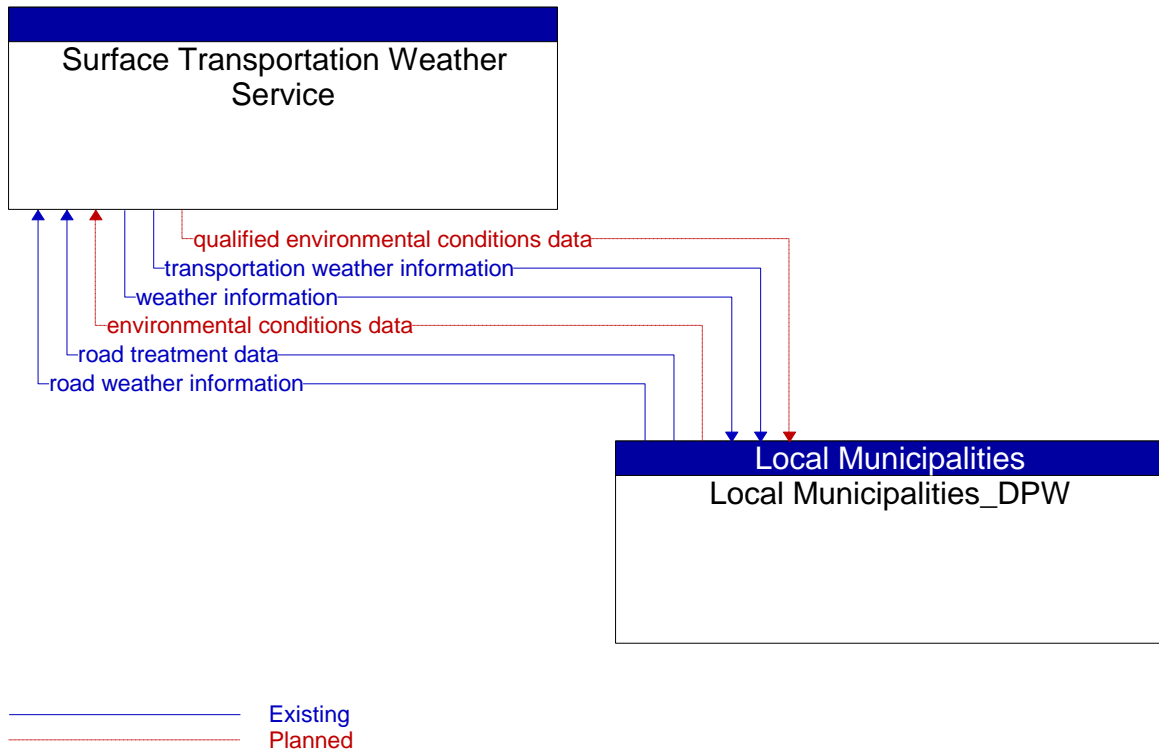


Figure 202: Local Municipalities_DPW - Surface Transportation Weather Service Interface

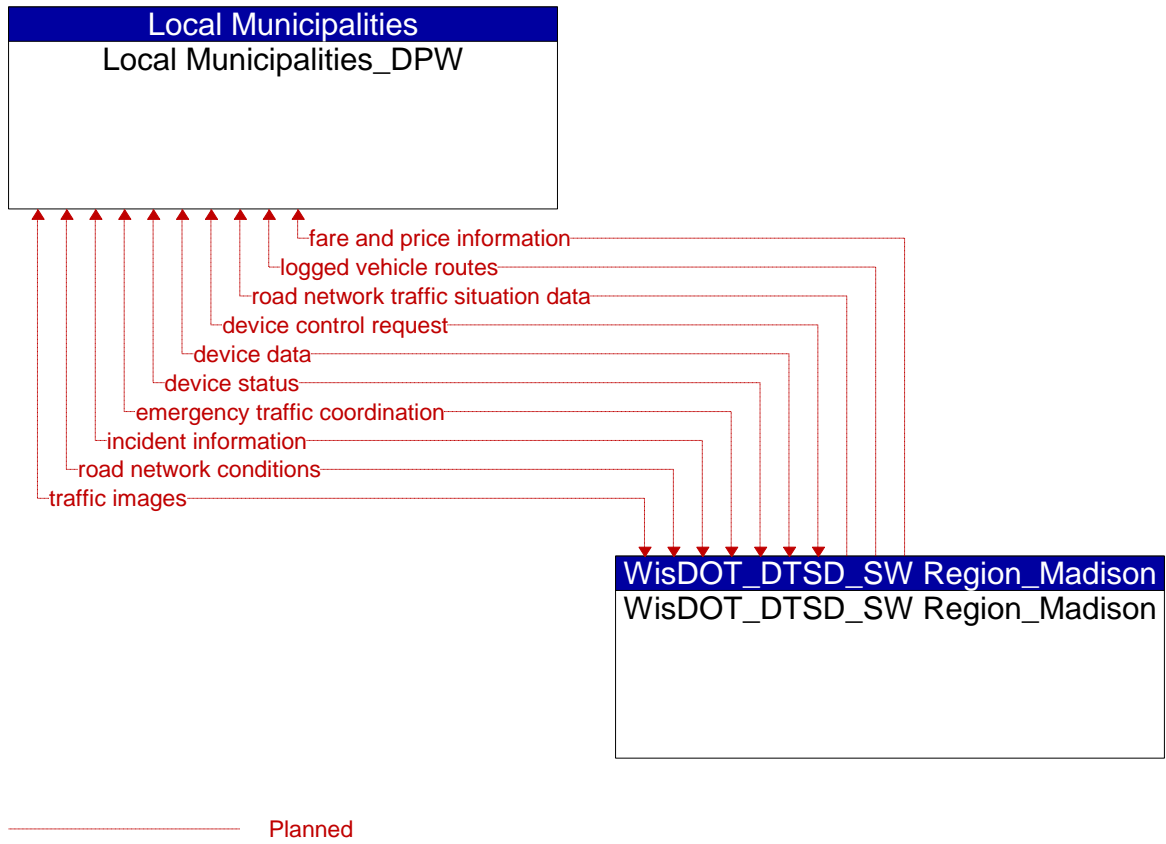


Figure 203: Local Municipalities_DPW - WisDOT_DTSD_SW Region_Madison Interface

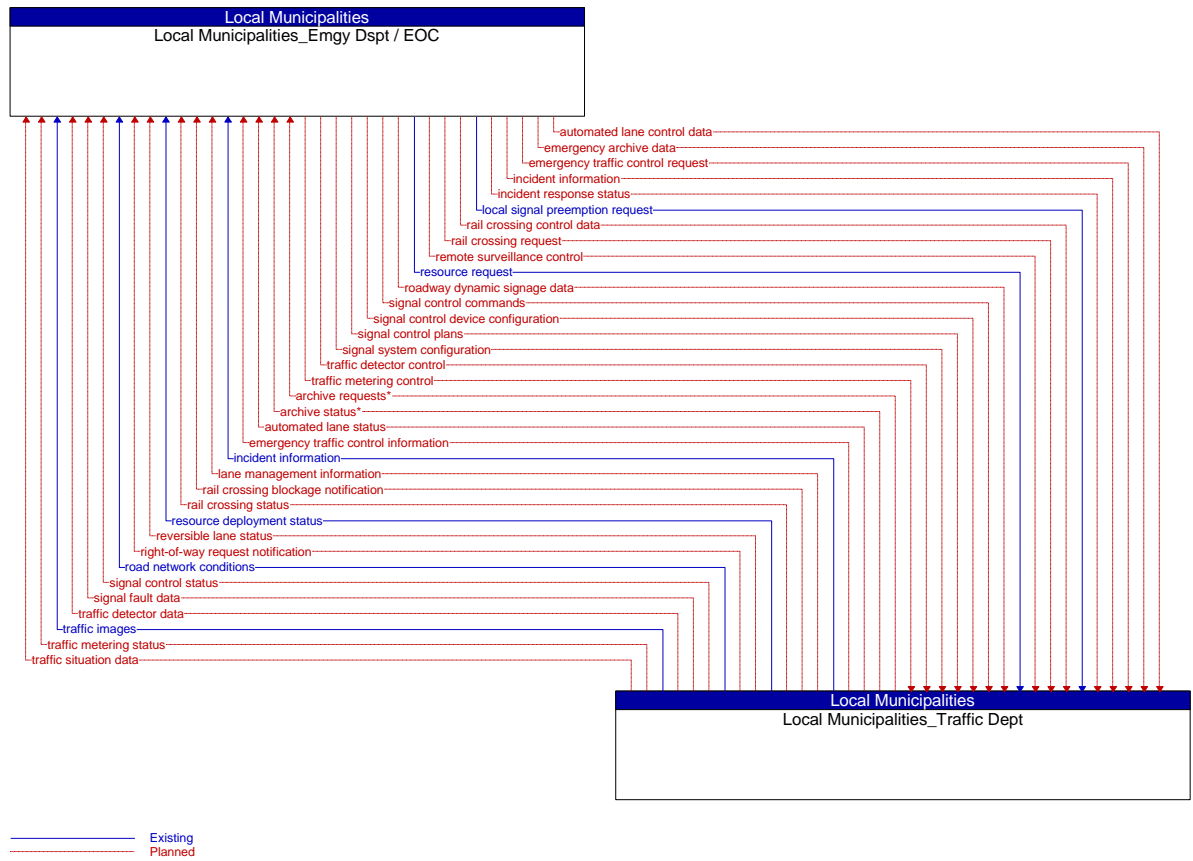


Figure 204: Local Municipalities_Emyg Dspt / EOC - Local Municipalities_Traffic Dept Interface

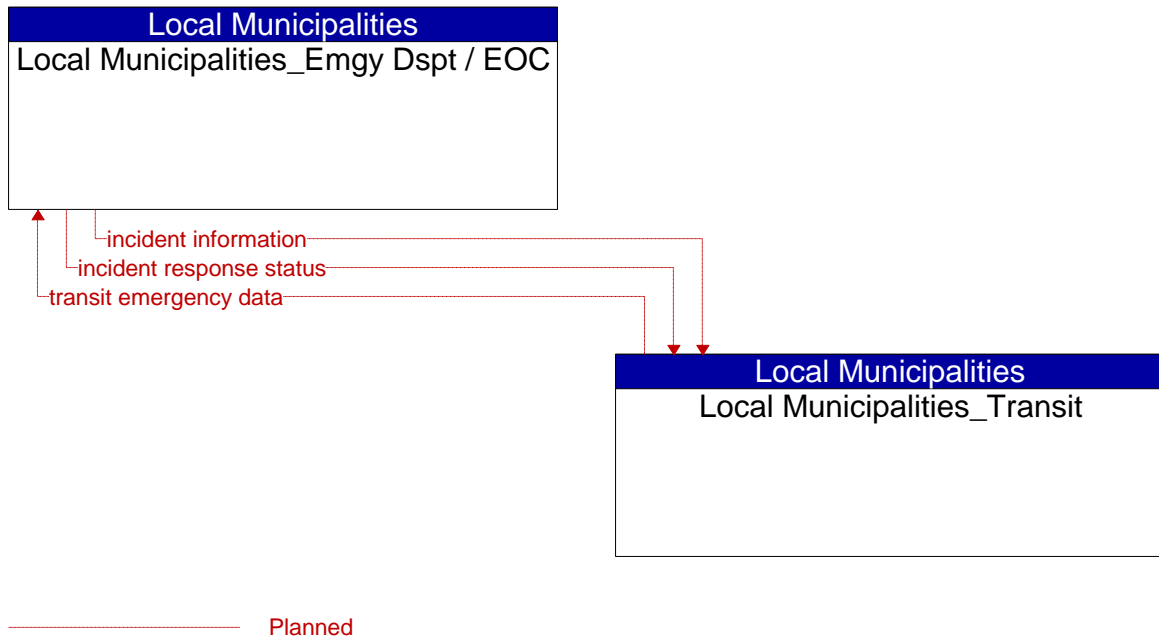


Figure 205: Local Municipalities_Emgd Dspt / EOC - Local Municipalities_Transit Interface

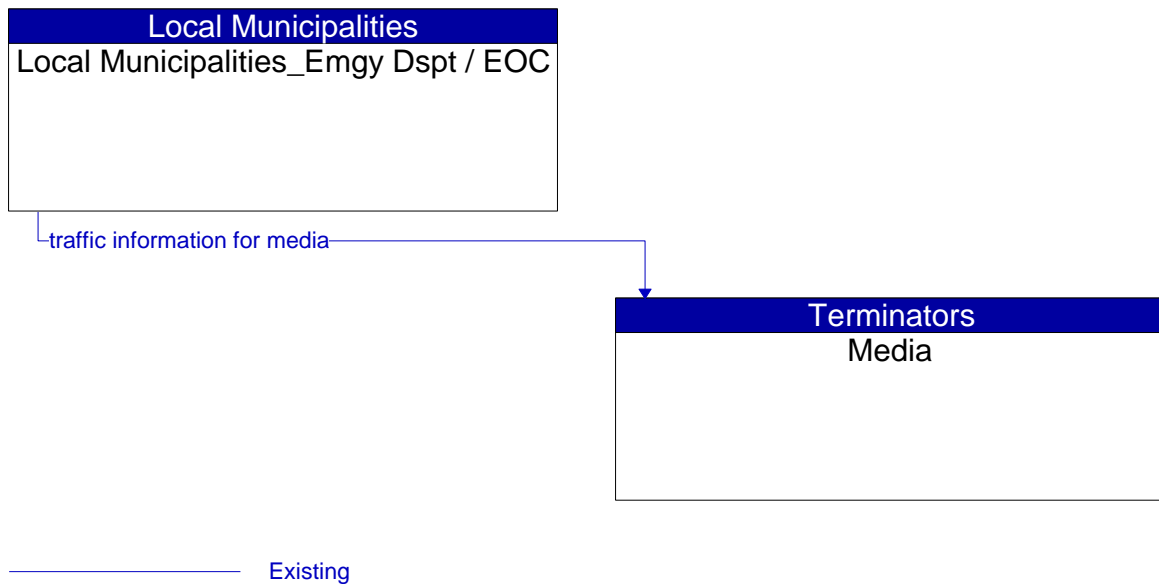


Figure 206: Local Municipalities_Emgd Dspt / EOC - Media Interface

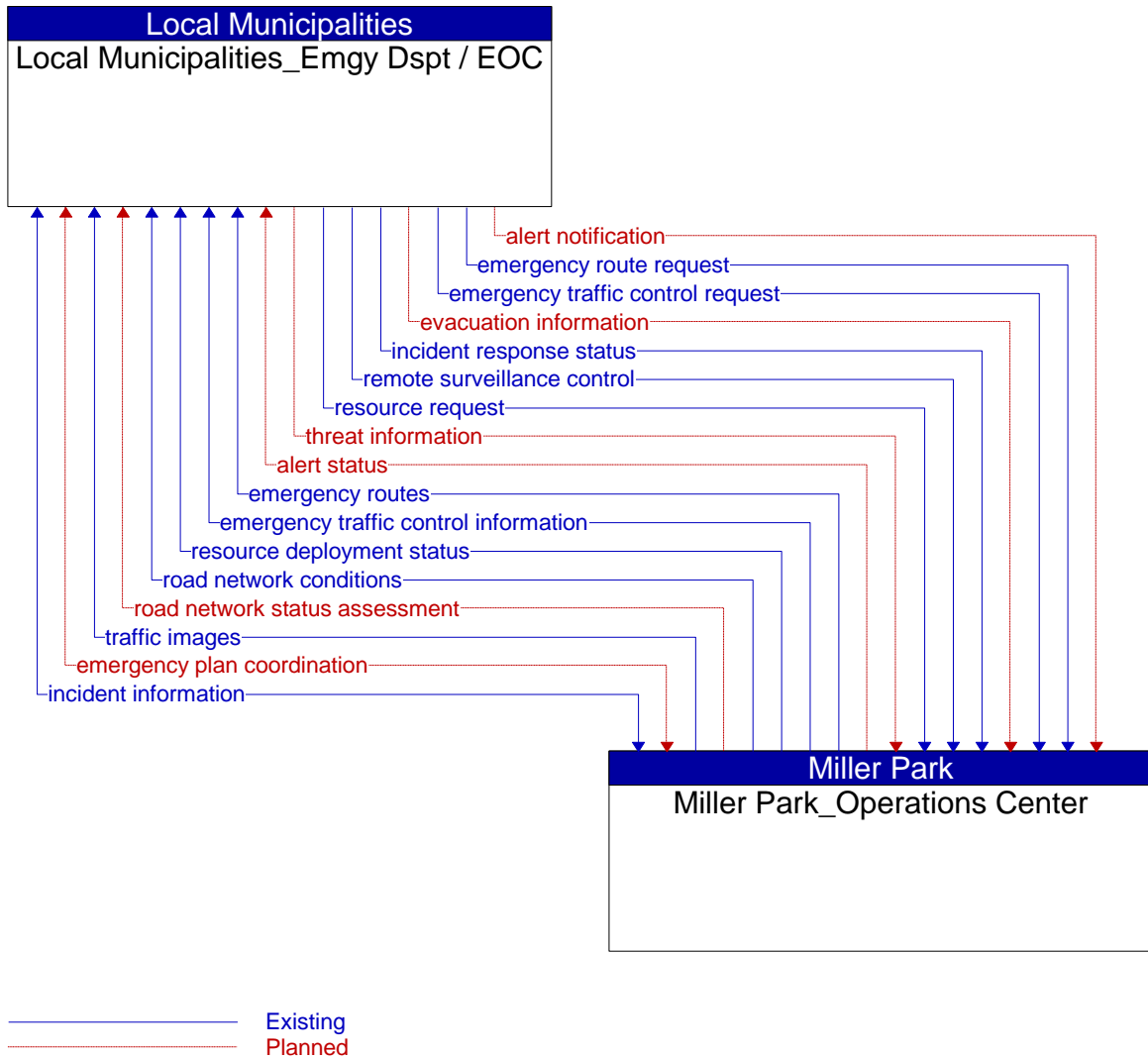


Figure 207: Local Municipalities_Emg Dspt / EOC - Miller Park_Operations Center Interface

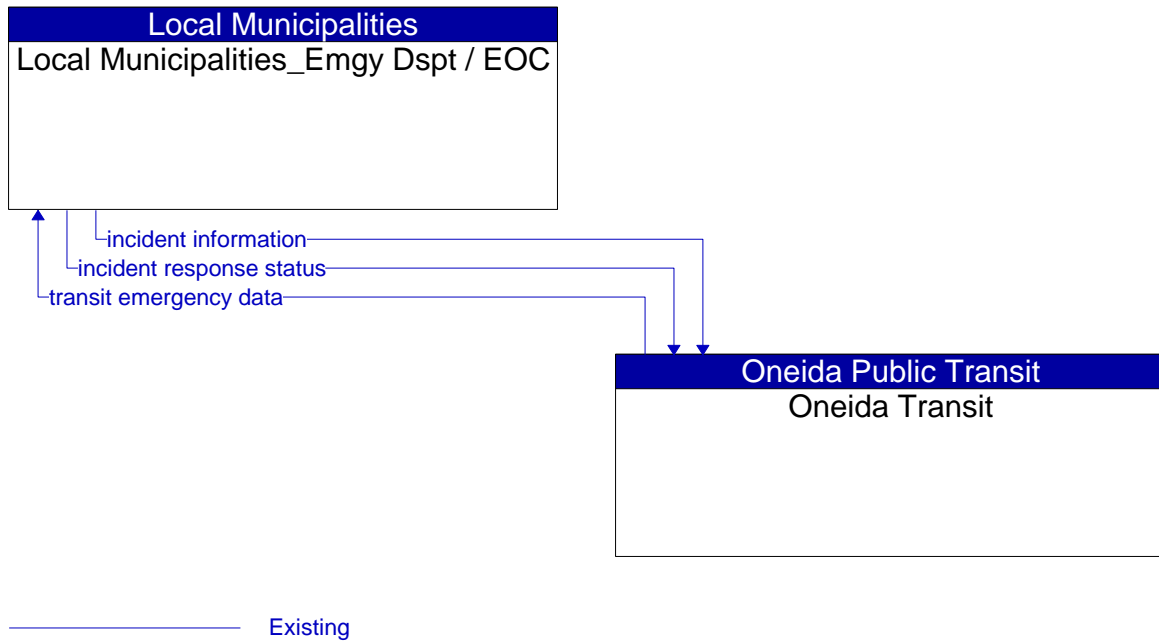


Figure 208: Local Municipalities_Emgd Dspt / EOC - Oneida Transit Interface

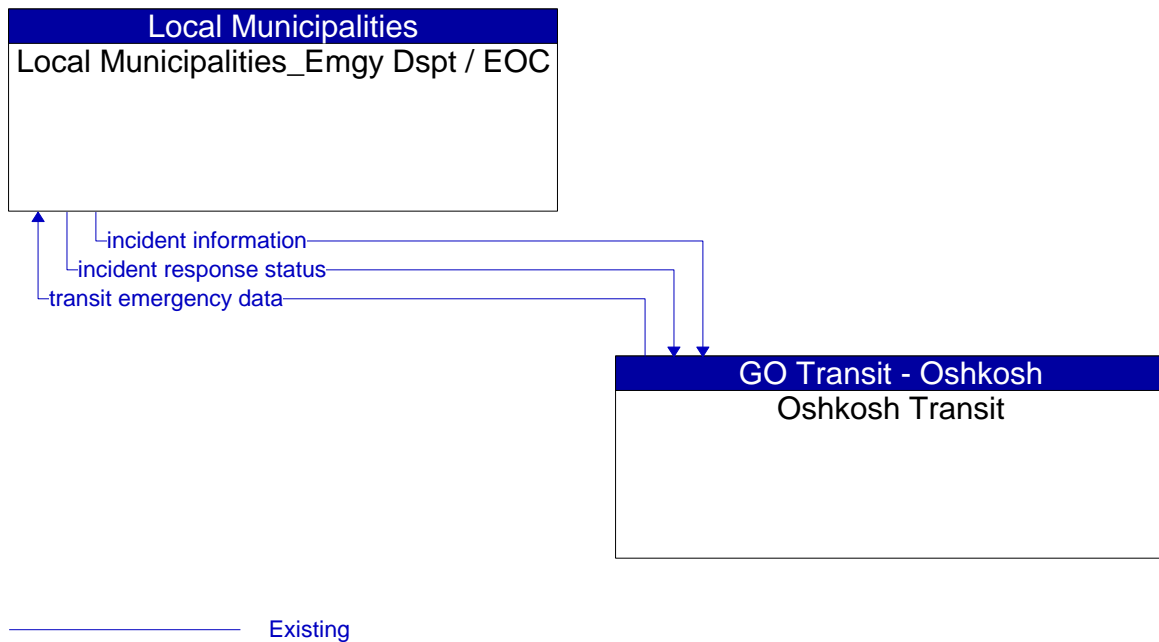


Figure 209: Local Municipalities_Emgd Dspt / EOC - Oshkosh Transit Interface

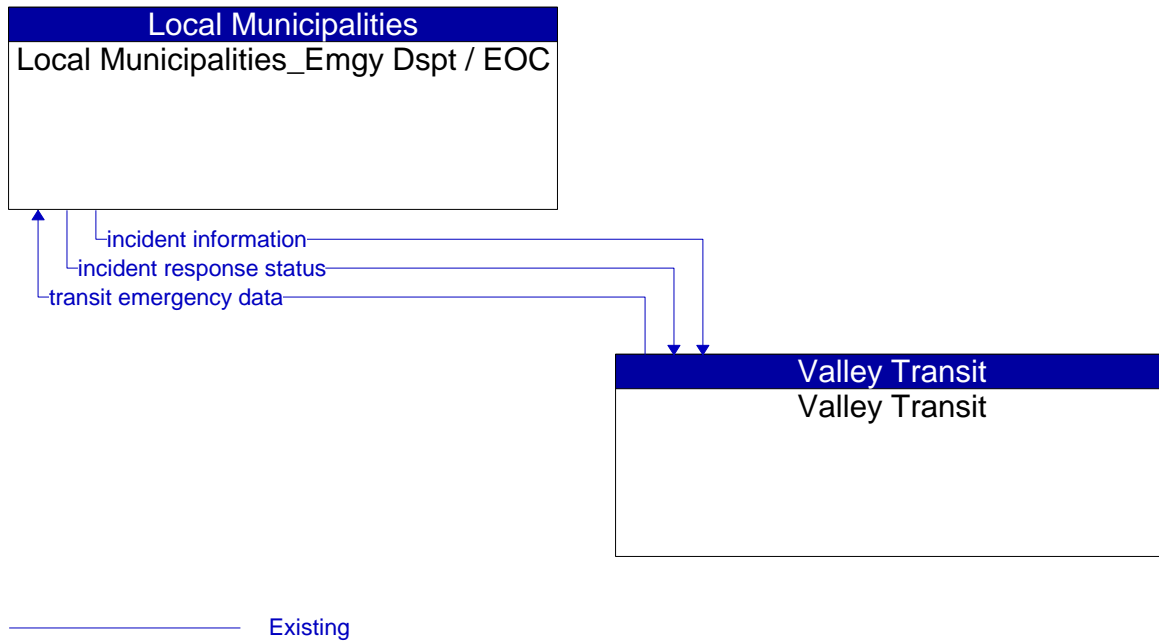


Figure 210: Local Municipalities_Emgv Dspt / EOC - Valley Transit Interface

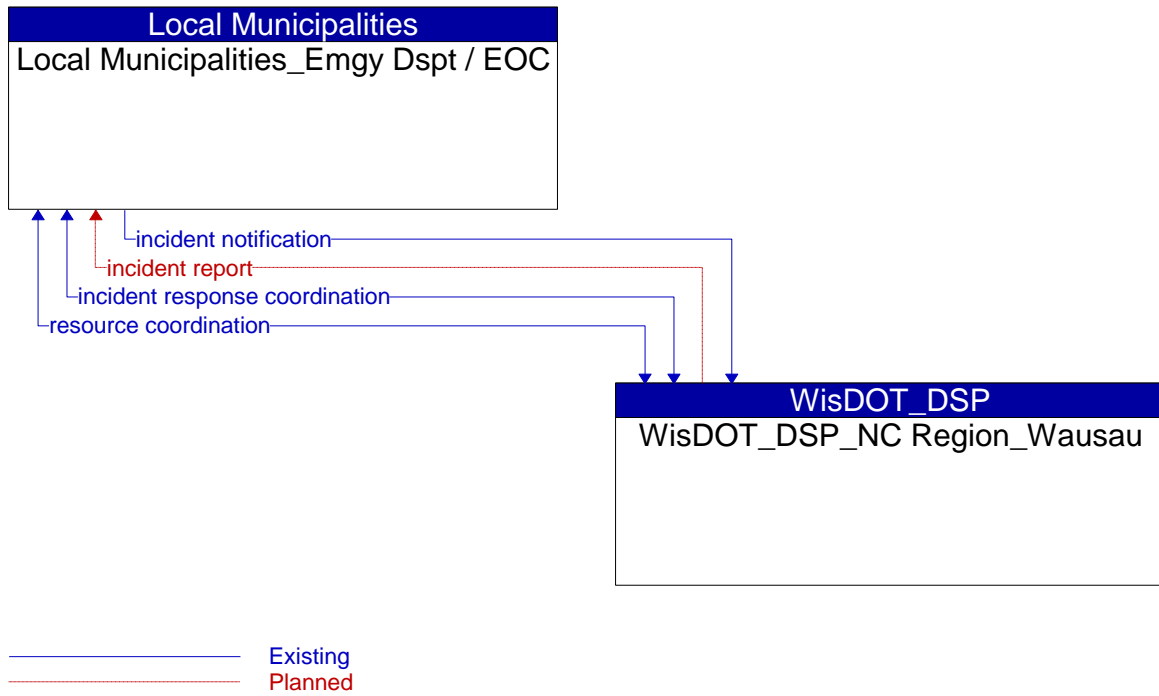


Figure 211: Local Municipalities_Emgd Dspt / EOC - WisDOT_DSP_NC Region_Wausau Interface

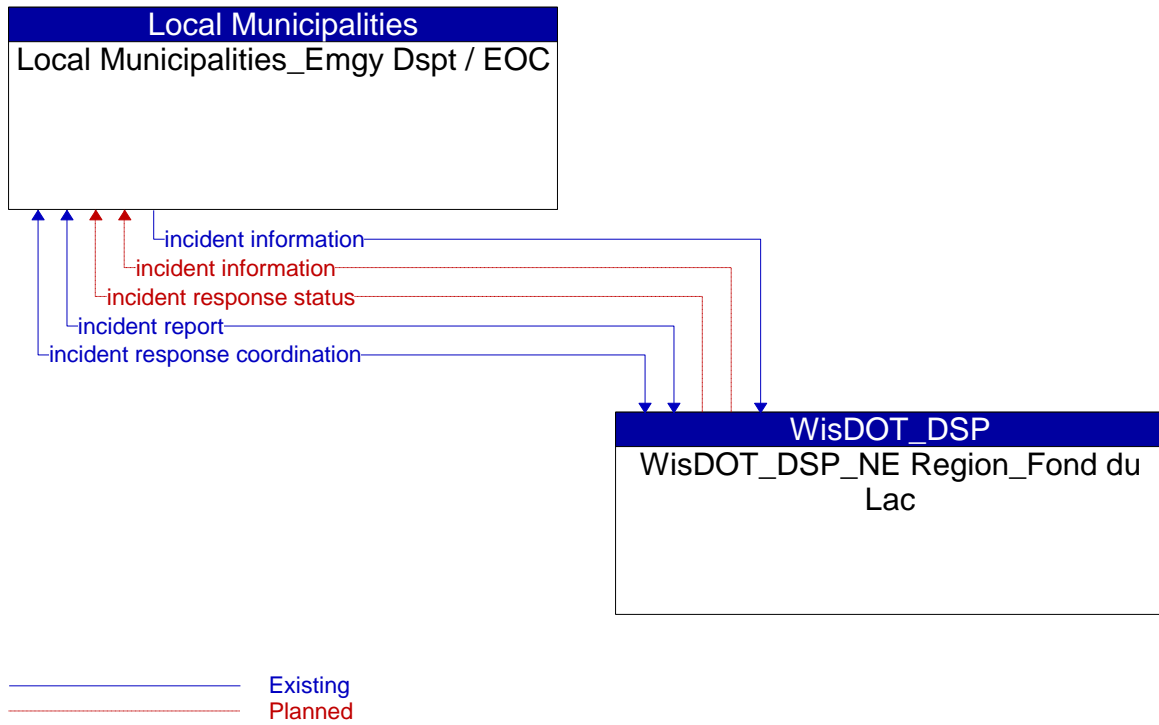


Figure 212: Local Municipalities_Emg Dspt / EOC - WisDOT_DSP_NE Region_Fond du Lac Interface

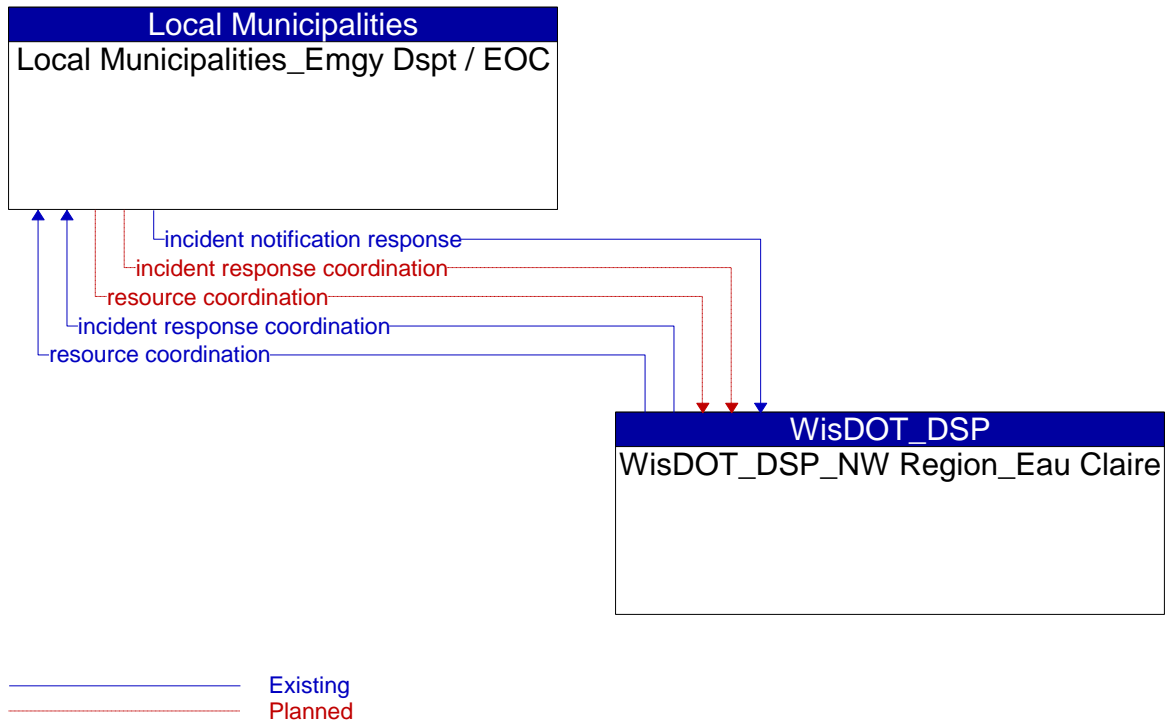


Figure 213: Local Municipalities_Emgv Dspt / EOC - WisDOT_DSP_NW Region_Eau Claire Interface

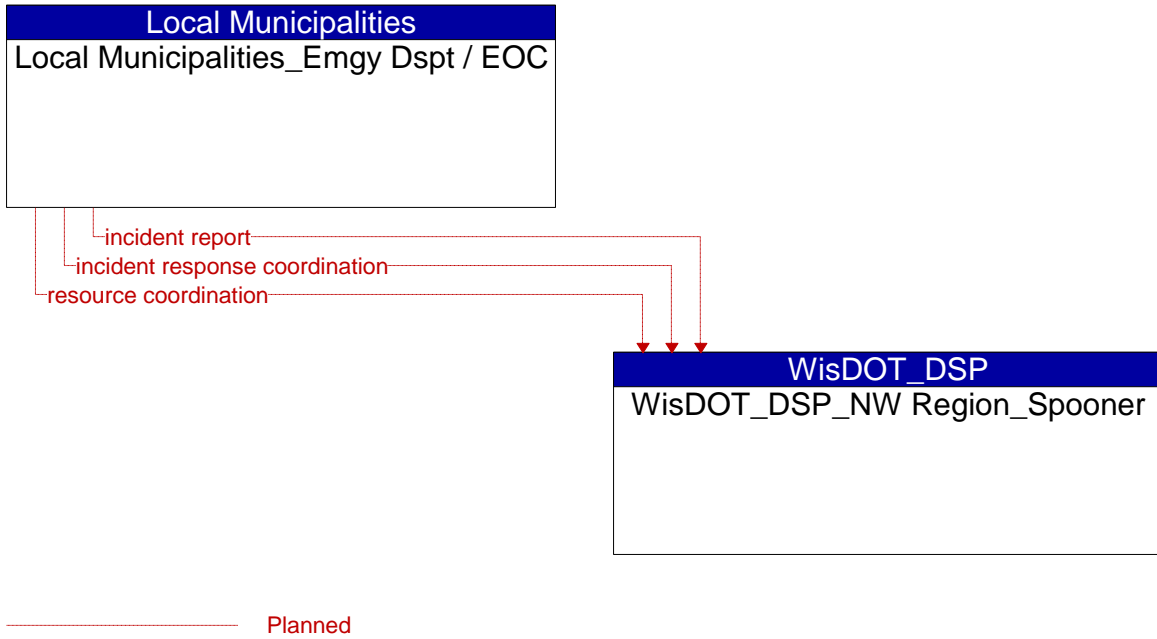


Figure 214: Local Municipalities_Emgly Dspt / EOC - WisDOT_DSP_NW Region_Spooner Interface

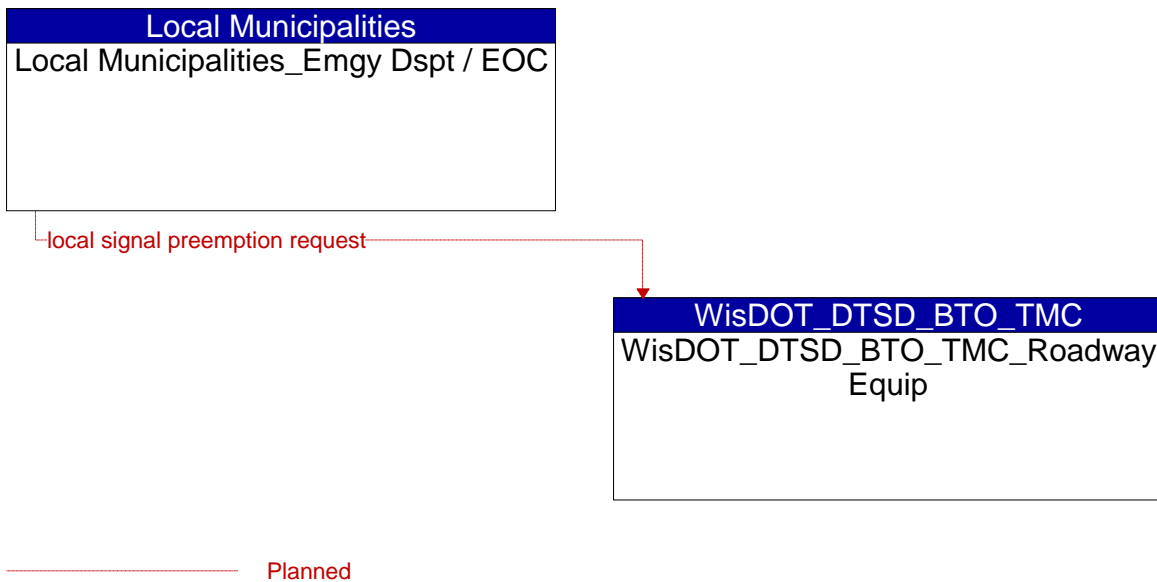


Figure 215: Local Municipalities_Emgly Dspt / EOC - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

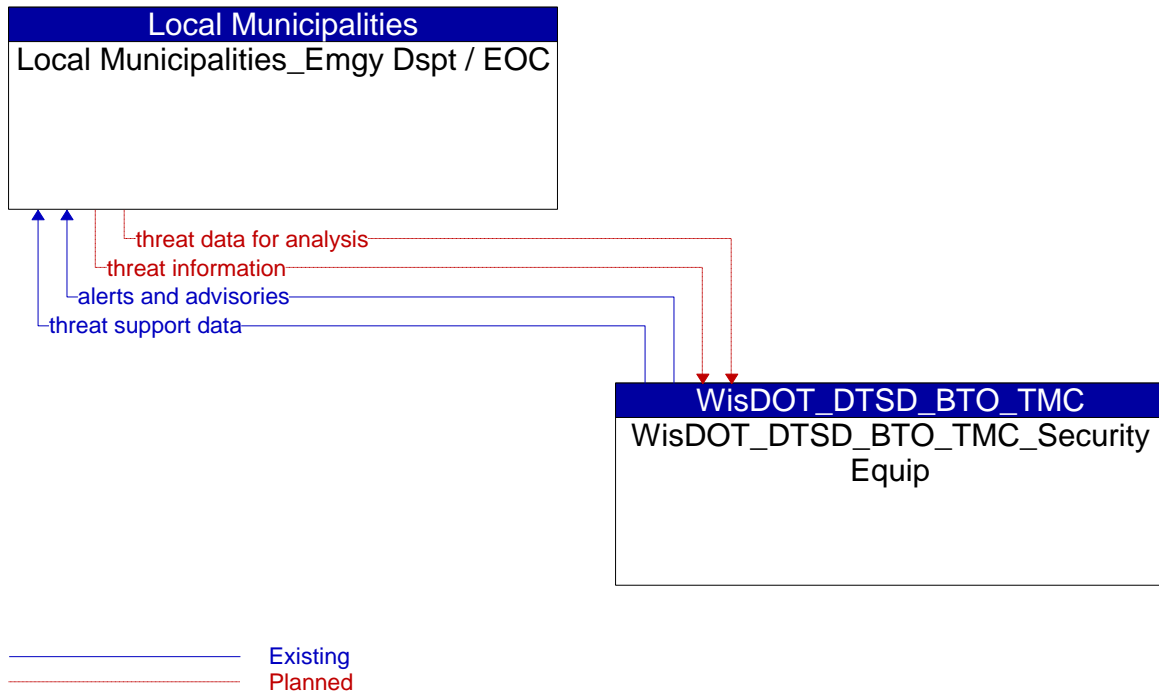


Figure 216: Local Municipalities_Emgv Dspt / EOC - WisDOT_DTSD_BTO_TMC_Security Equip Interface

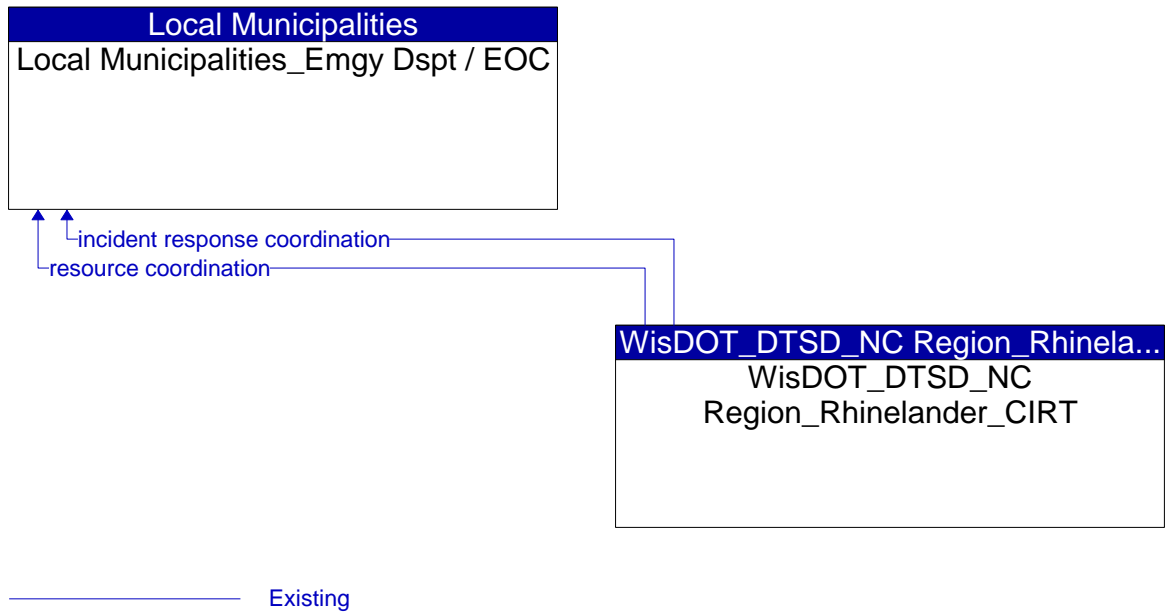


Figure 217: Local Municipalities_Emgv Dspt / EOC - WisDOT_DTSD_NC Region_Rhineland_CIRT Interface

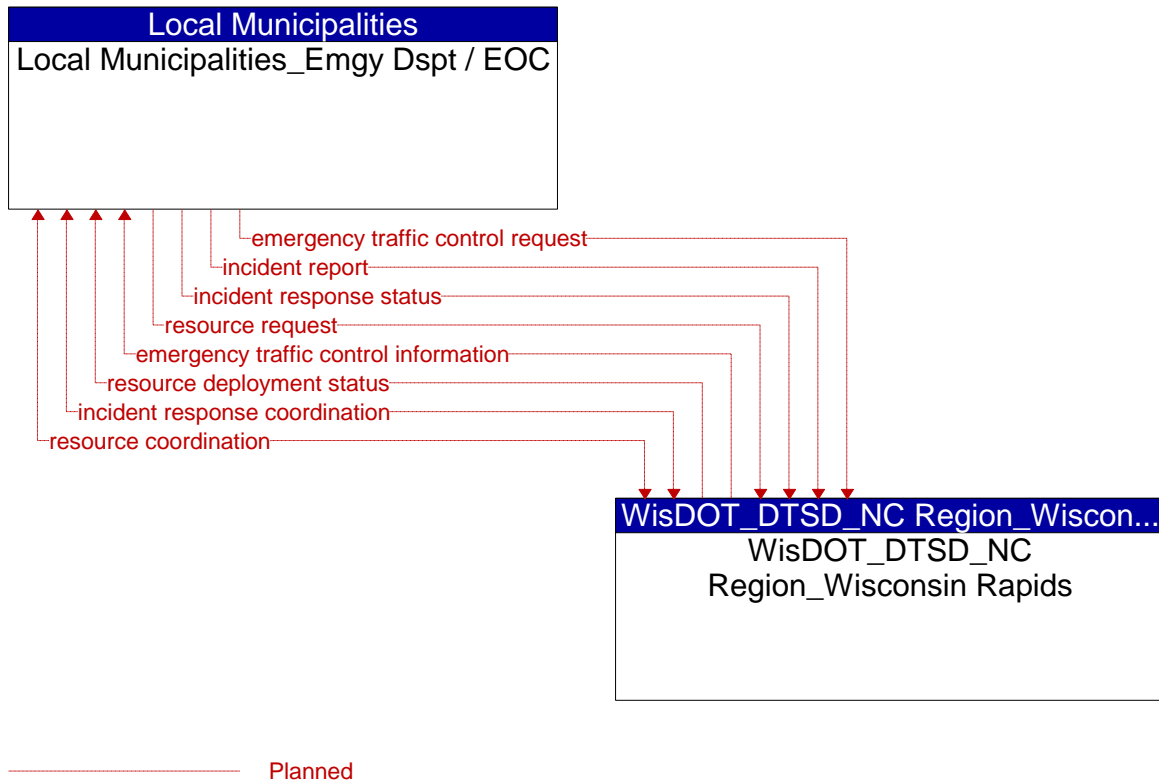


Figure 218: Local Municipalities_Emgv Dspt / EOC - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

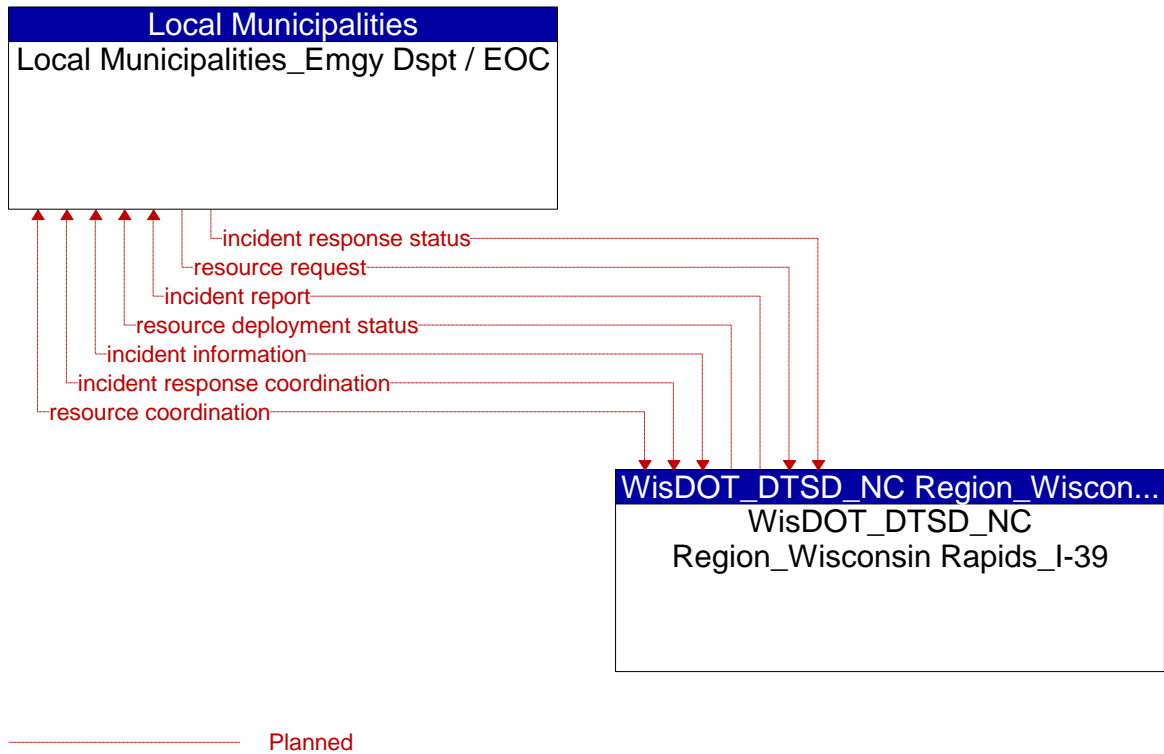


Figure 219: Local Municipalities_Emgv Dspt / EOC - WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 Interface

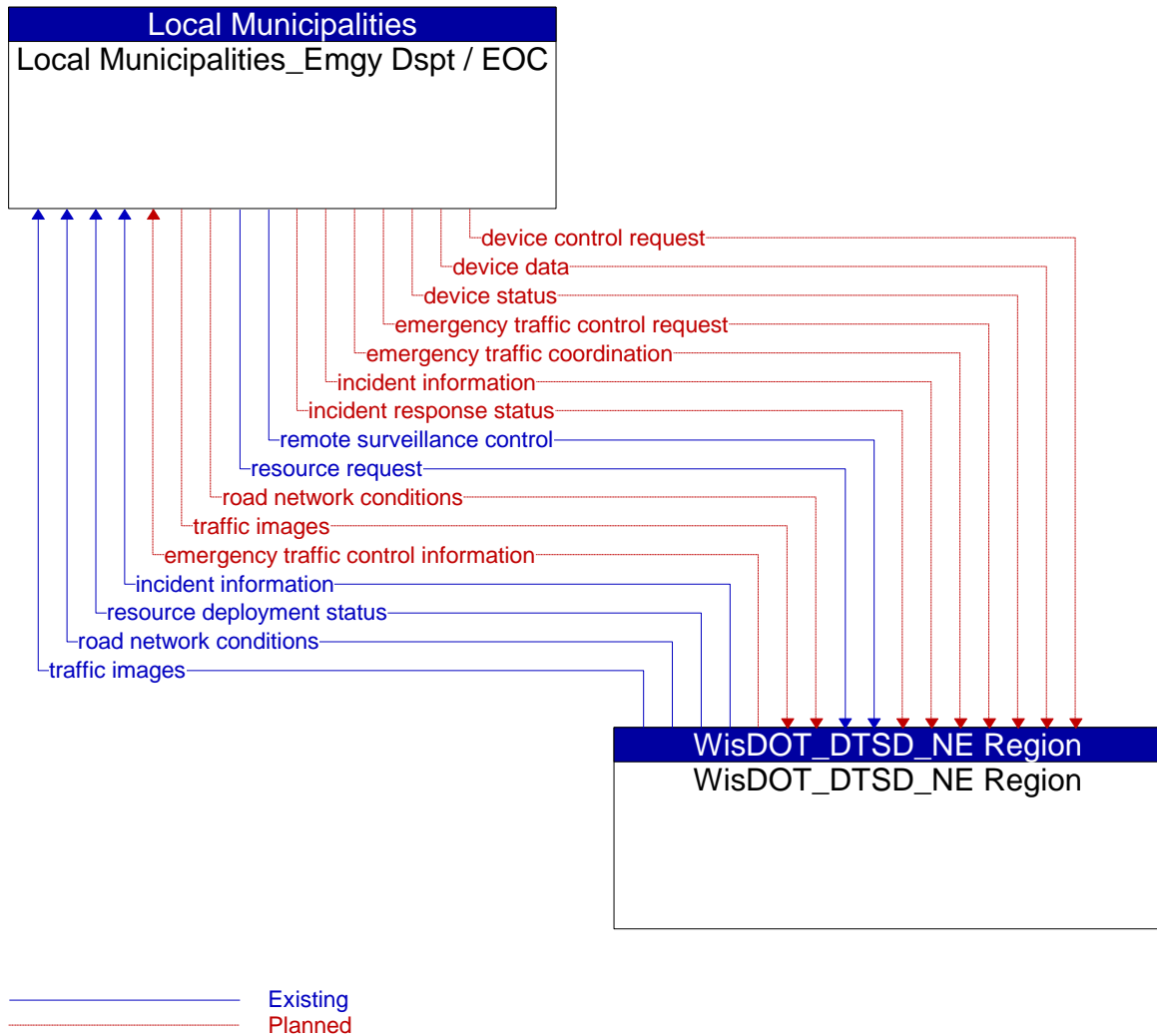


Figure 220: Local Municipalities_Emgv Dspt / EOC - WisDOT_DTSD_NE Region Interface

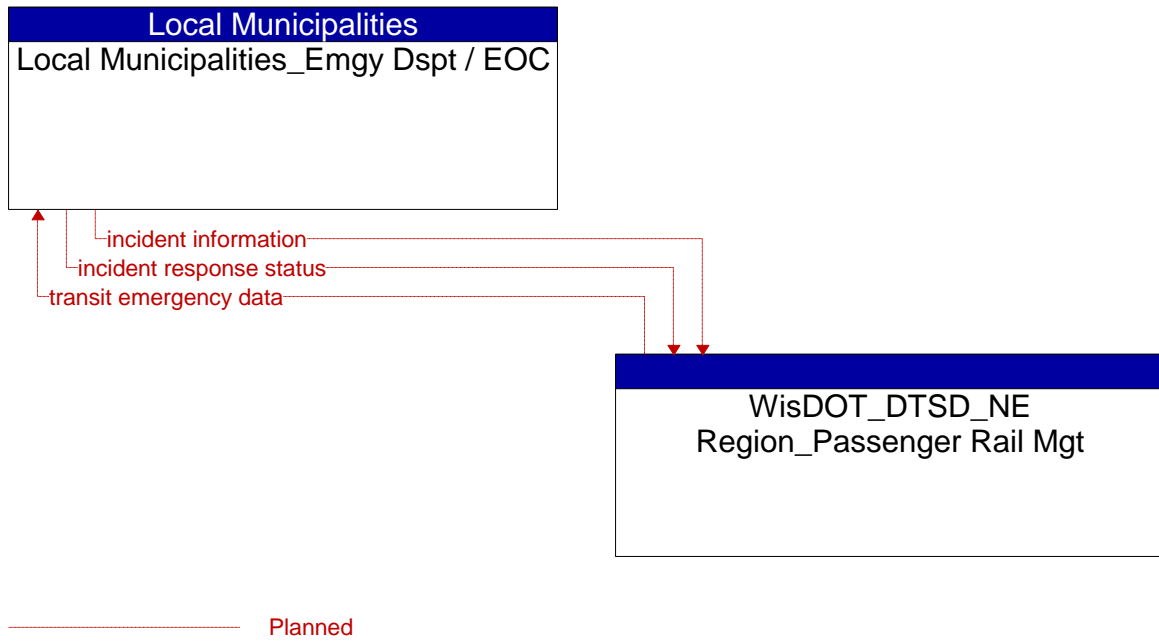


Figure 221: Local Municipalities_Emgv Dspt / EOC - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface

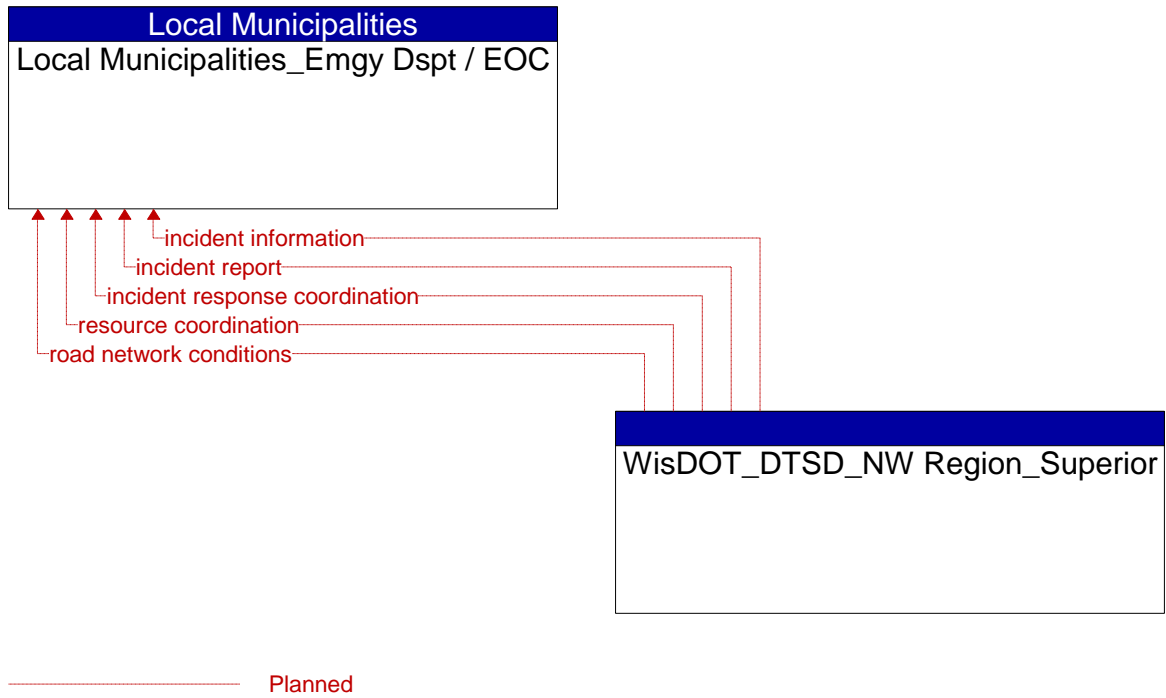


Figure 222: Local Municipalities_Emgv Dspt / EOC - WisDOT_DTSD_NW Region_Superior Interface

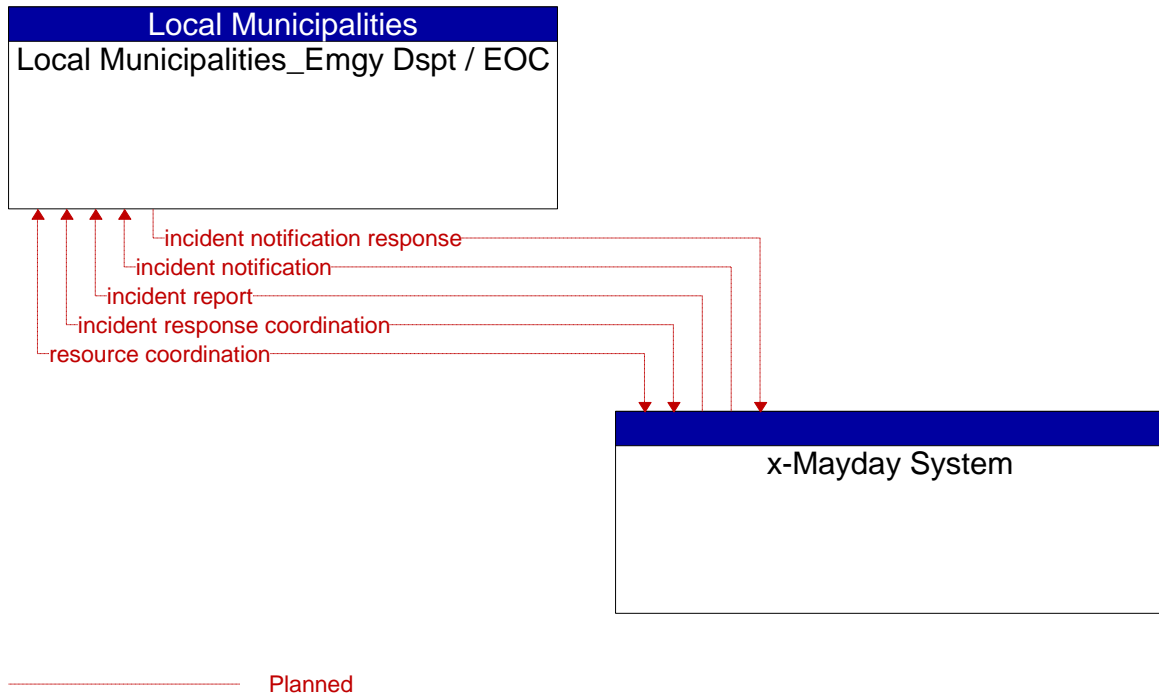


Figure 223: Local Municipalities_Emgv Dspt / EOC - x-Mayday System Interface

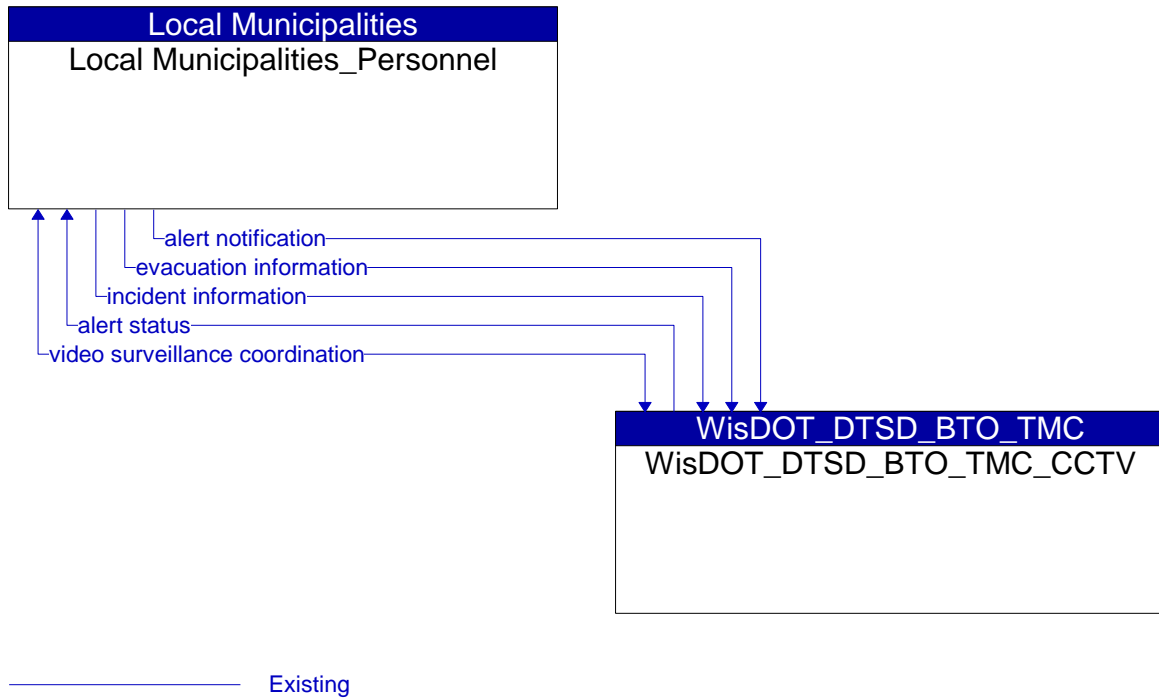


Figure 224: Local Municipalities_Personnel - WisDOT_DTSD_BTO_TMC_CCTV Interface

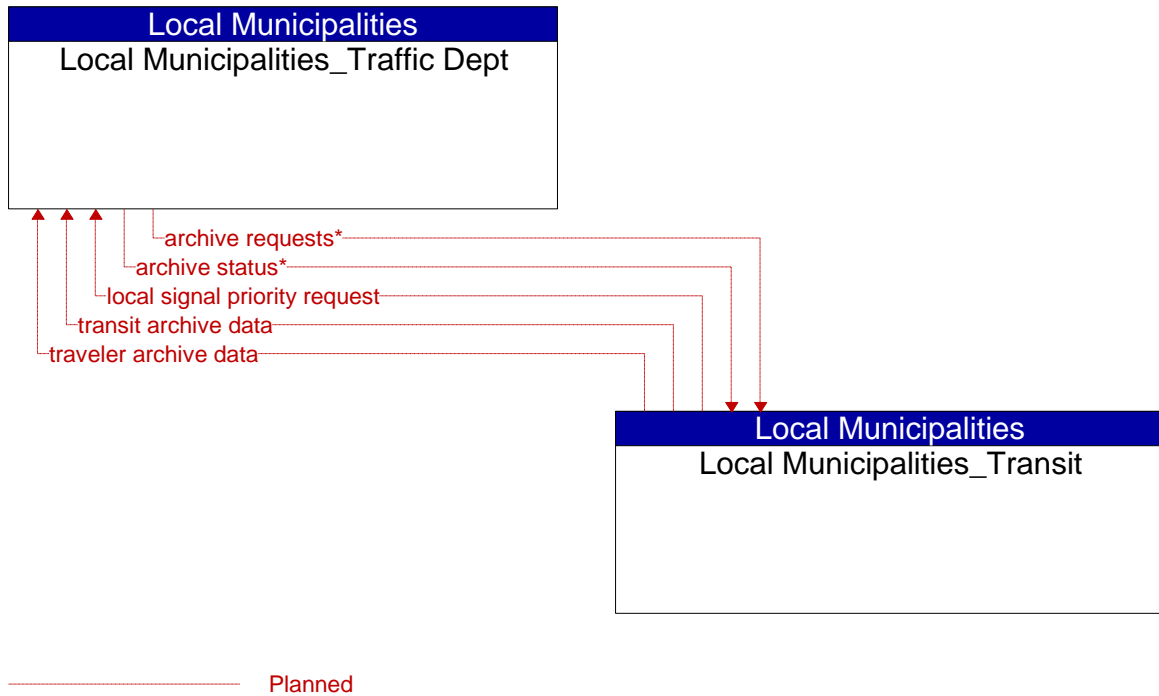


Figure 225: Local Municipalities_Traffic Dept - Local Municipalities_Transit Interface

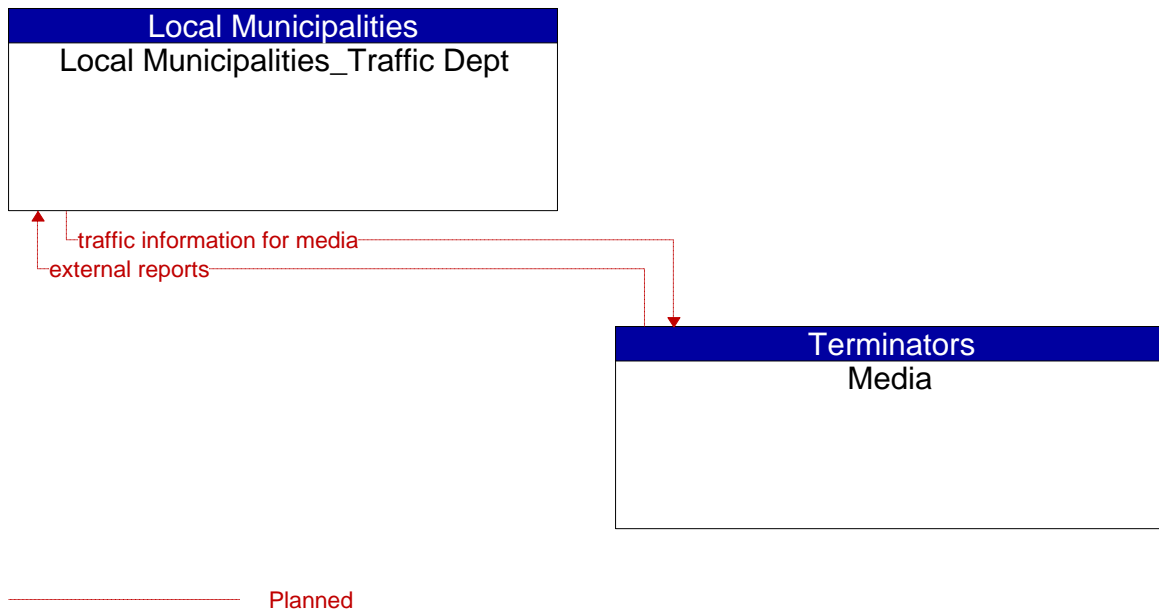


Figure 226: Local Municipalities_Traffic Dept - Media Interface

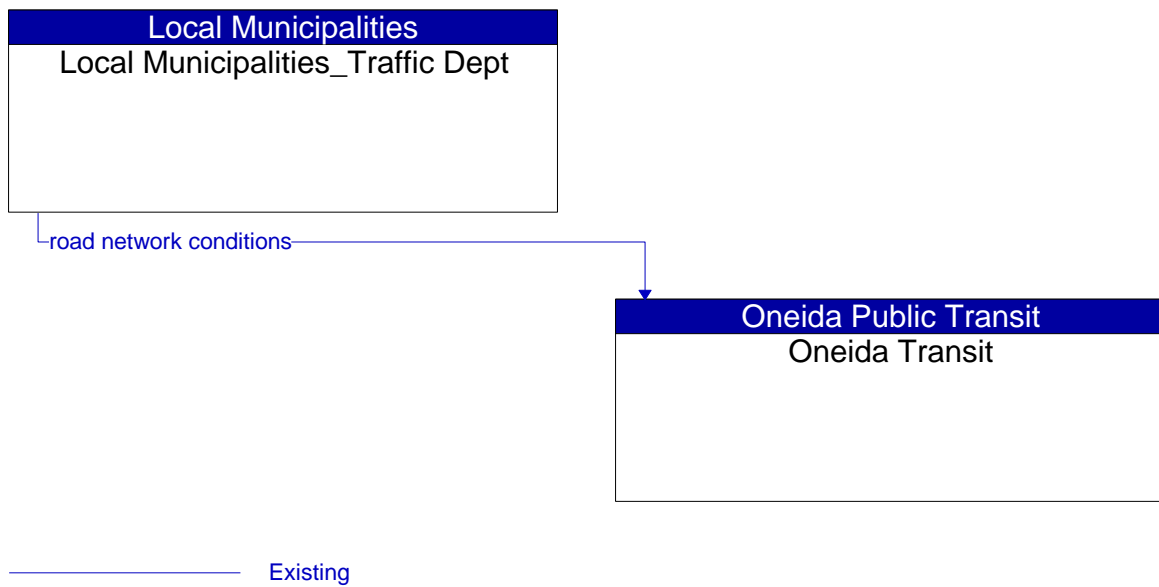


Figure 227: Local Municipalities_Traffic Dept - Oneida Transit Interface

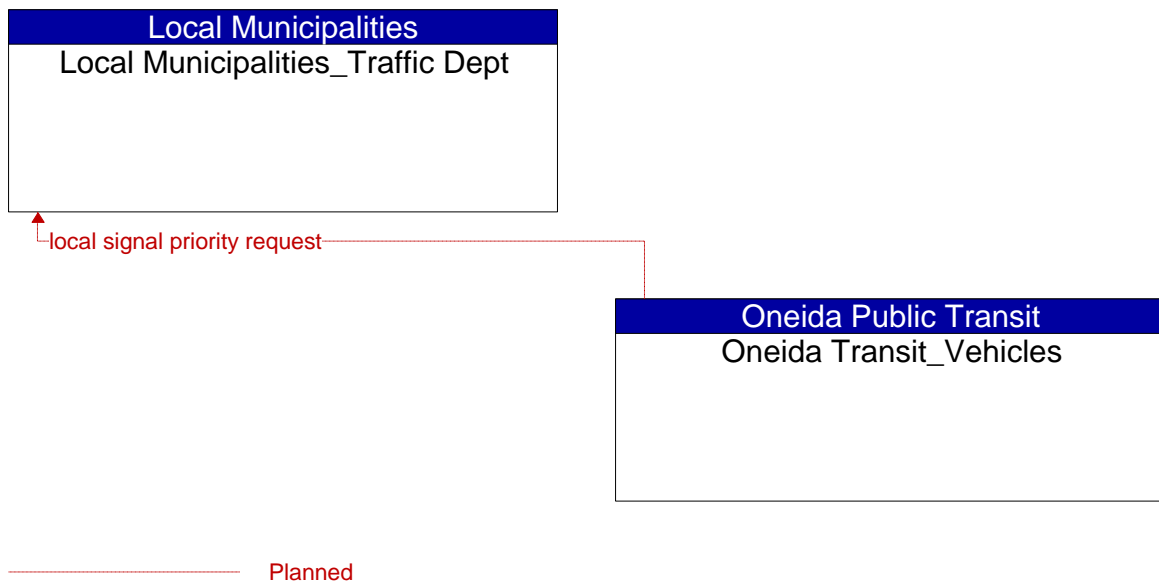


Figure 228: Local Municipalities_Traffic Dept - Oneida Transit_Vehicles Interface

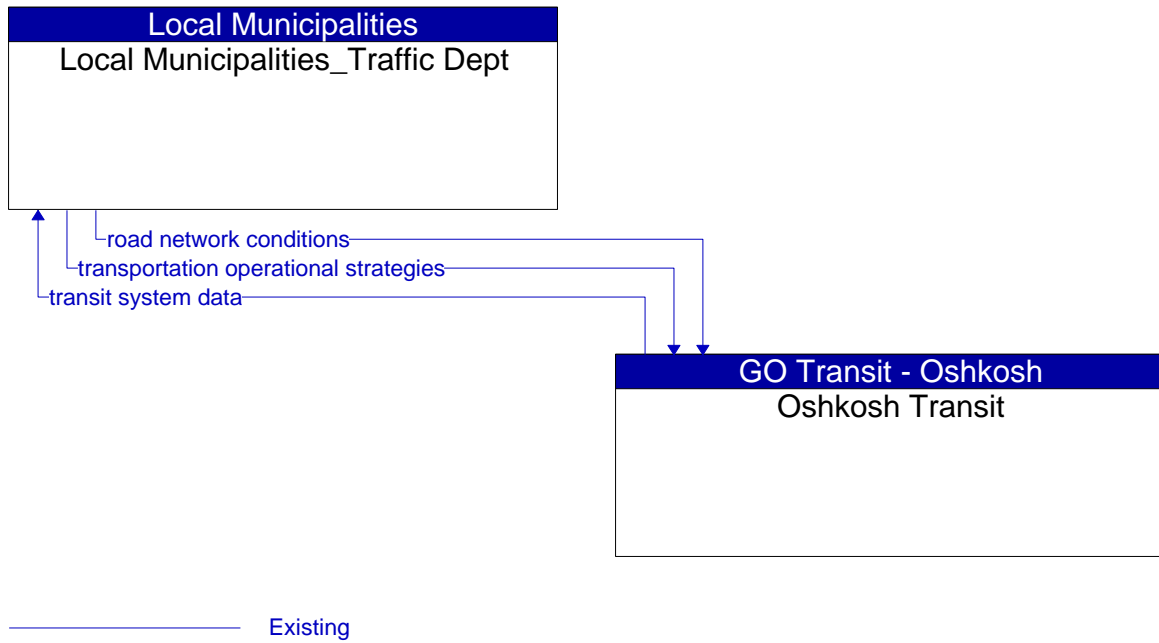


Figure 229: Local Municipalities_Traffic Dept - Oshkosh Transit Interface

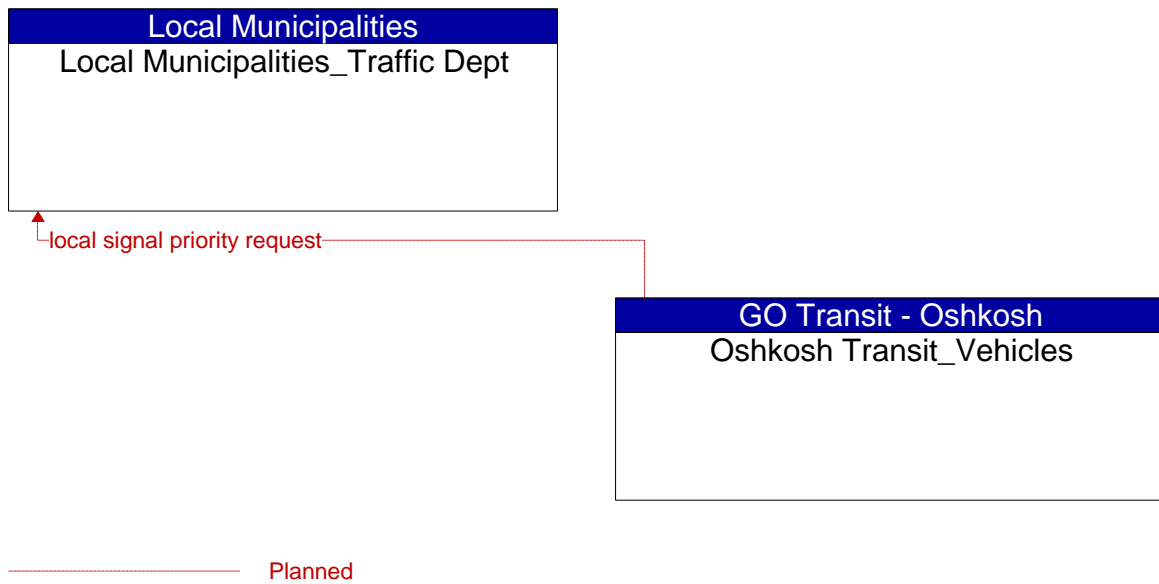


Figure 230: Local Municipalities_Traffic Dept - Oshkosh Transit_Vehicles Interface

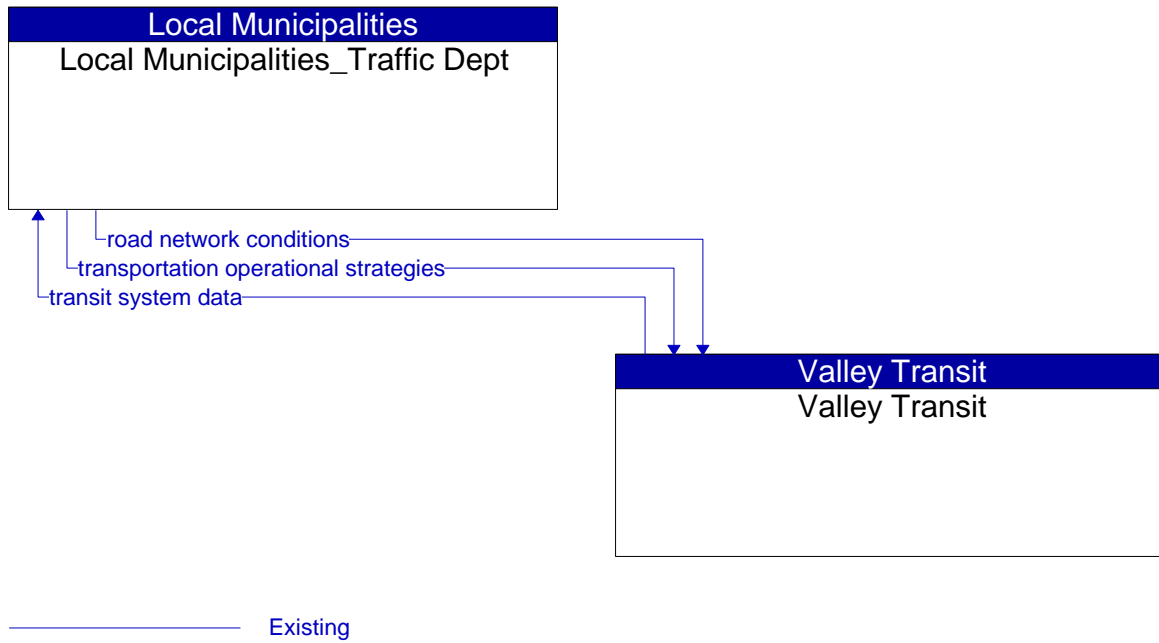


Figure 231: Local Municipalities_Traffic Dept - Valley Transit Interface

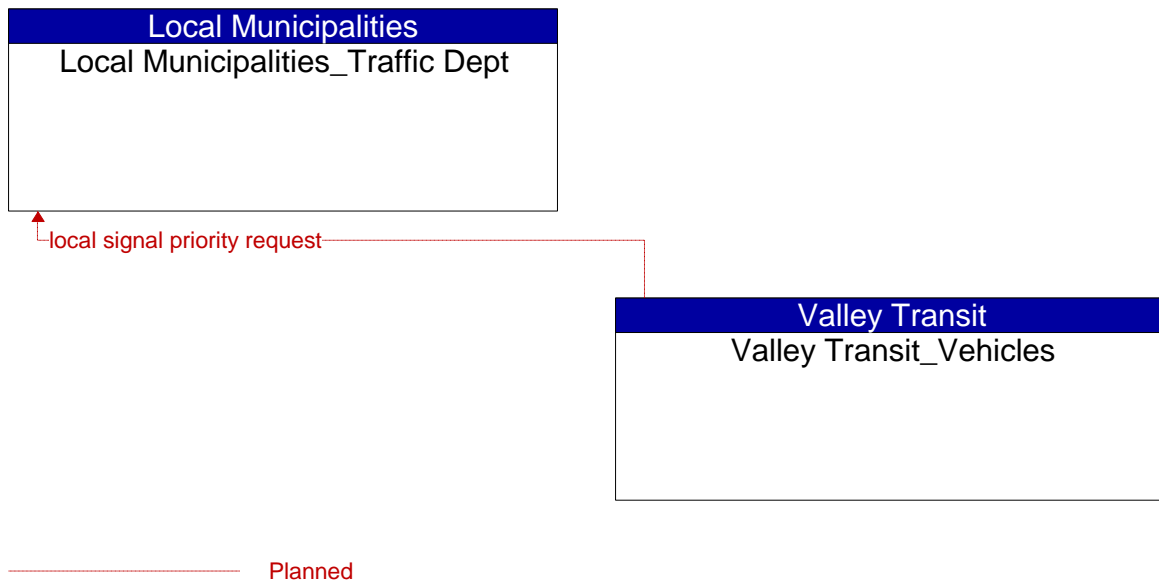


Figure 232: Local Municipalities_Traffic Dept - Valley Transit_Vehicles Interface

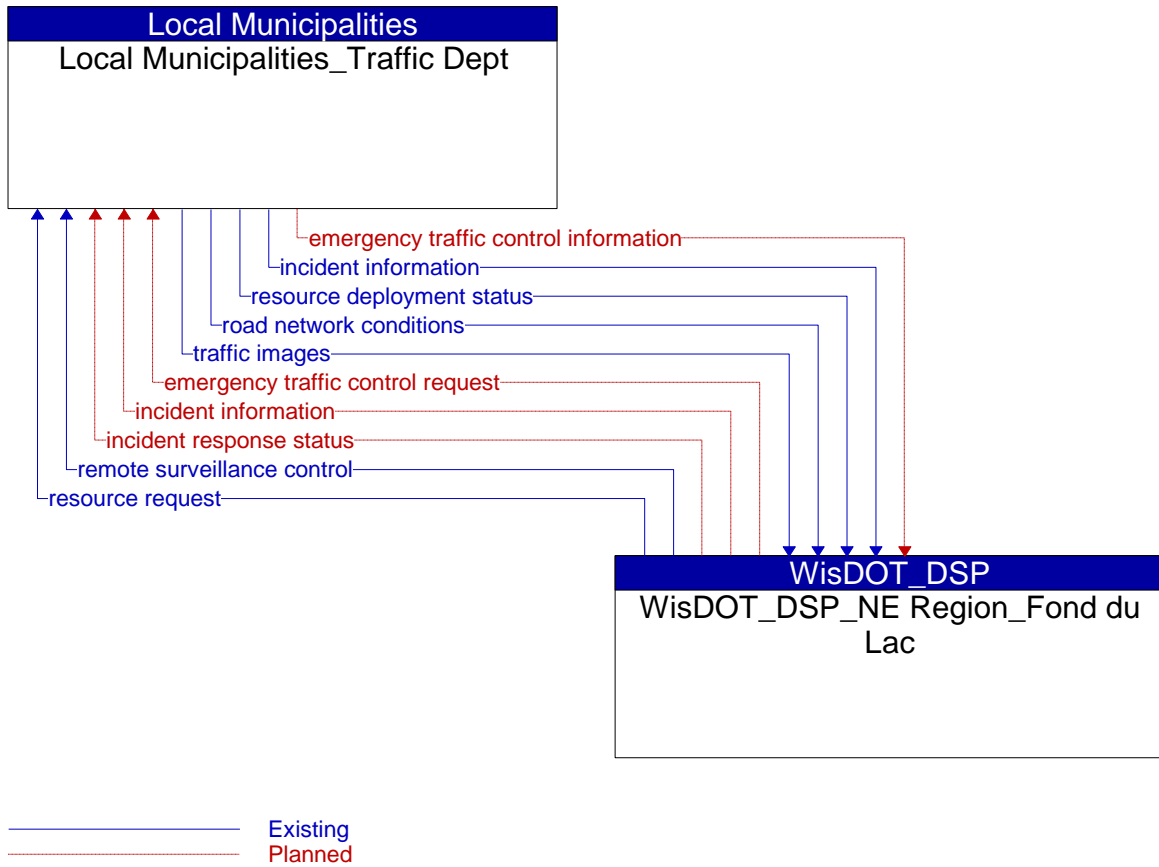


Figure 233: Local Municipalities_Traffic Dept - WisDOT_DSP_NE Region_Fond du Lac Interface

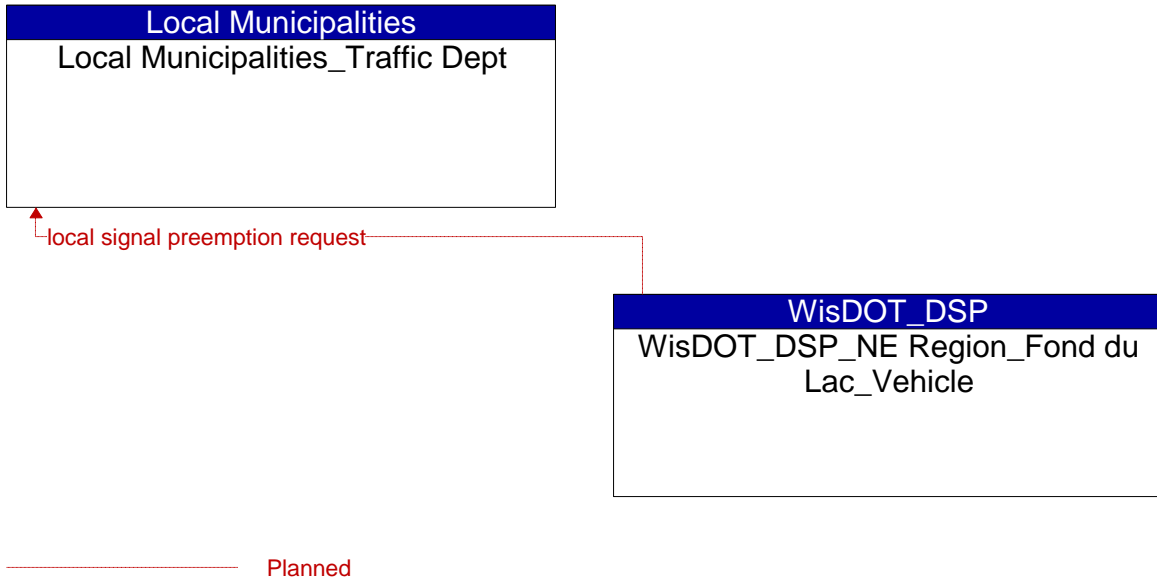


Figure 234: Local Municipalities_Traffic Dept - WisDOT_DSP_NE Region_Fond du Lac_Vehicle Interface

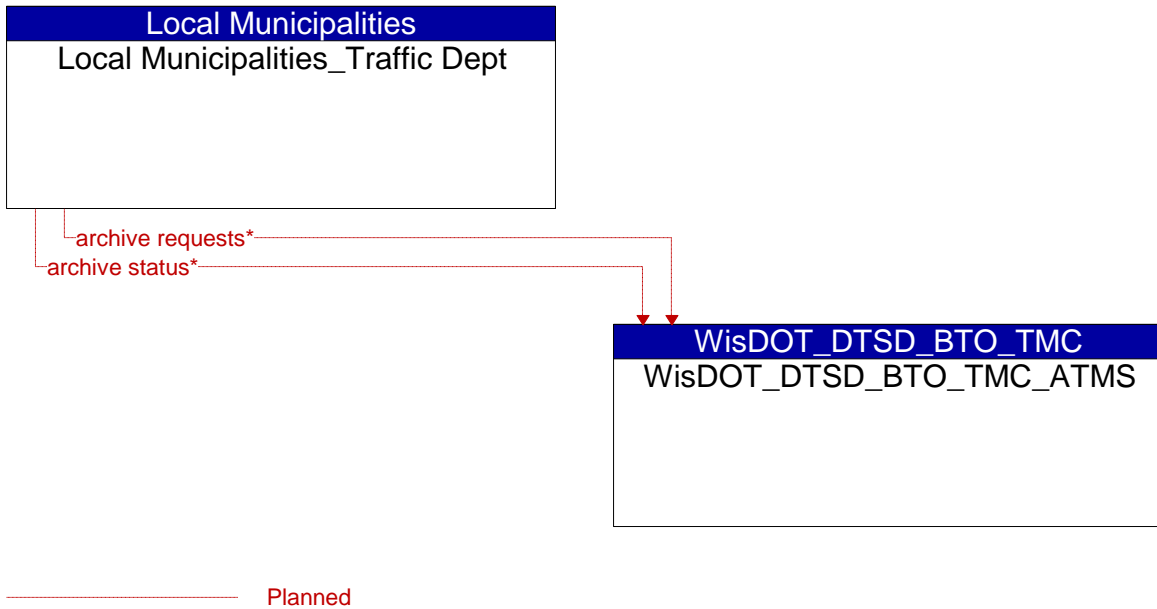


Figure 235: Local Municipalities_Traffic Dept - WisDOT_DTSD_BTO_TMC_ATMS Interface

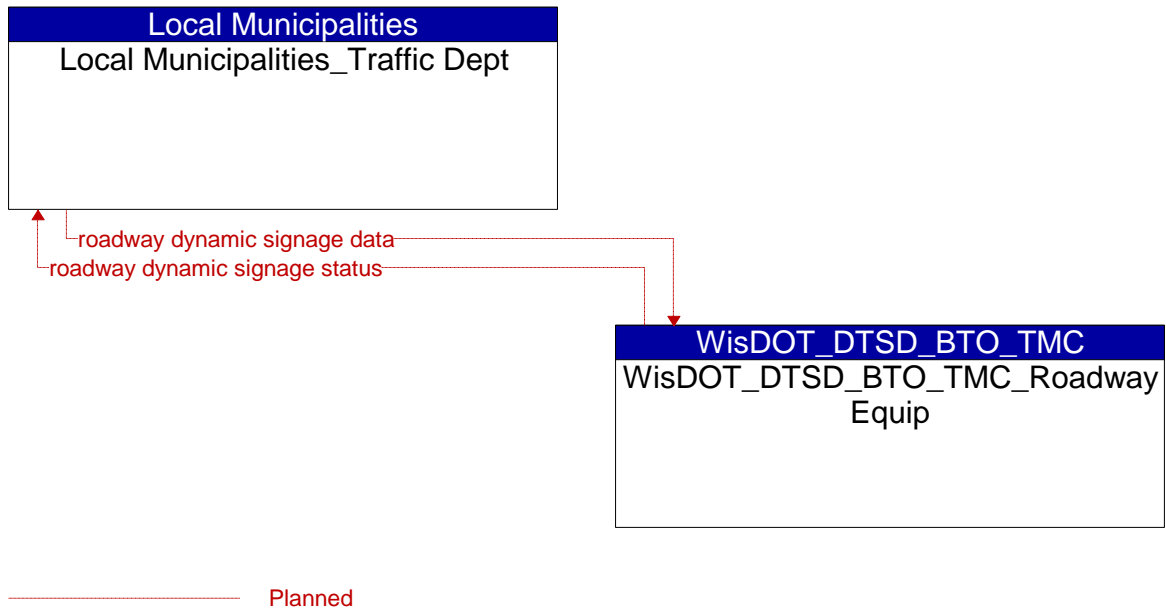


Figure 236: Local Municipalities_Traffic Dept - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

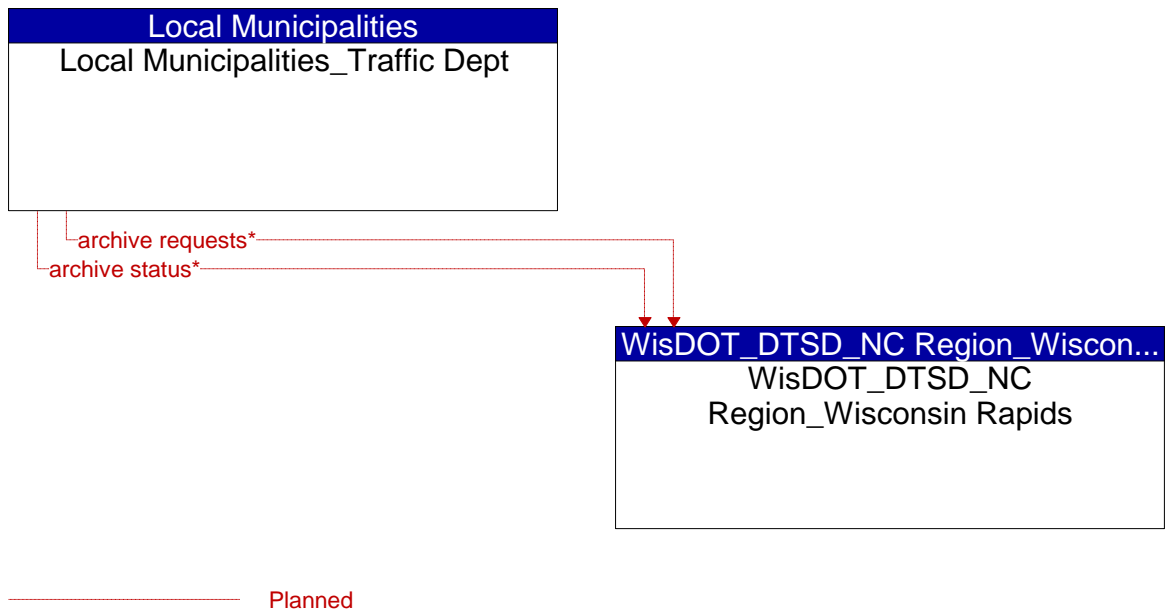


Figure 237: Local Municipalities_Traffic Dept - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

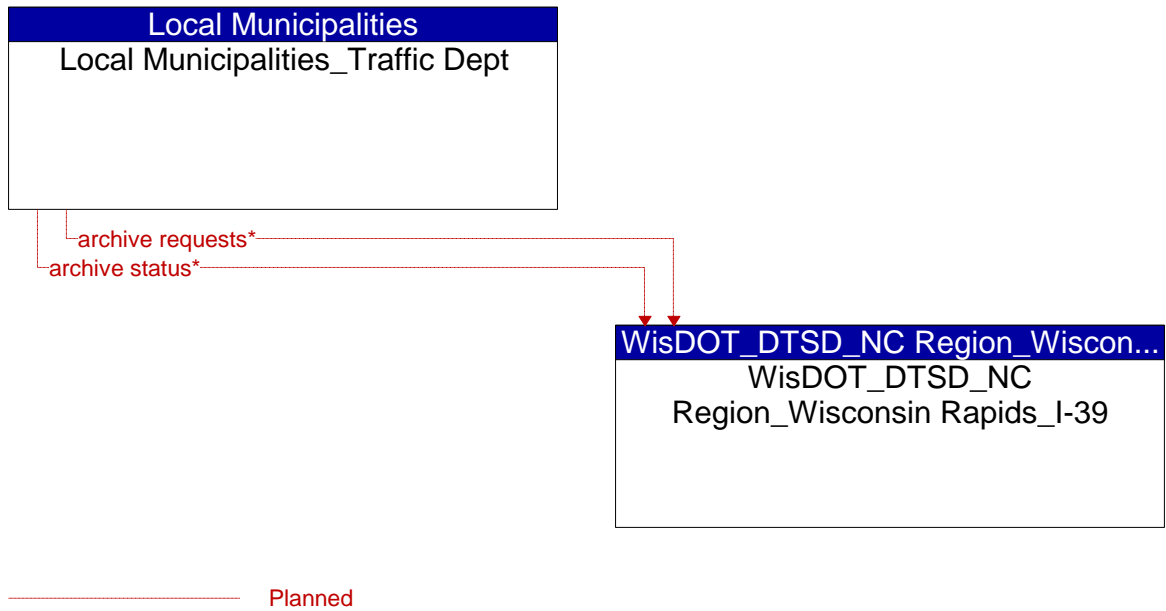


Figure 238: Local Municipalities_Traffic Dept - WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 Interface

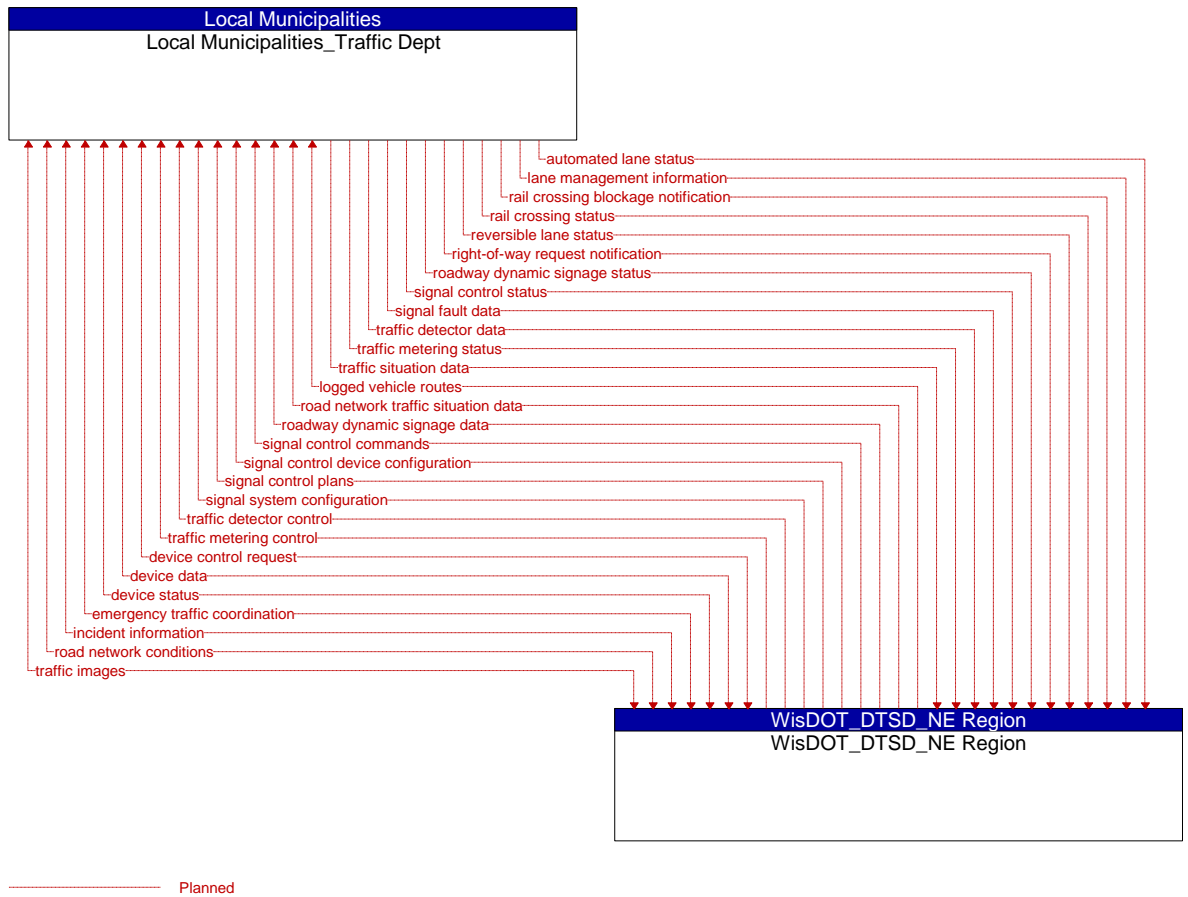


Figure 239: Local Municipalities_Traffic Dept - WisDOT_DTSD_NE Region Interface

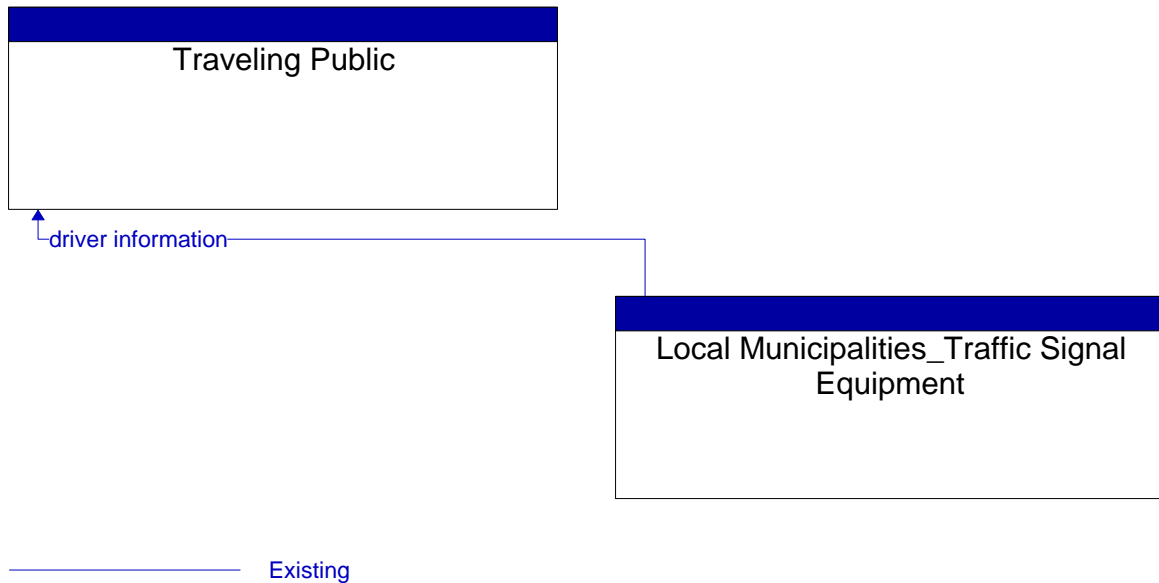


Figure 240: Local Municipalities_Traffic Signal Equipment - Traveling Public Interface

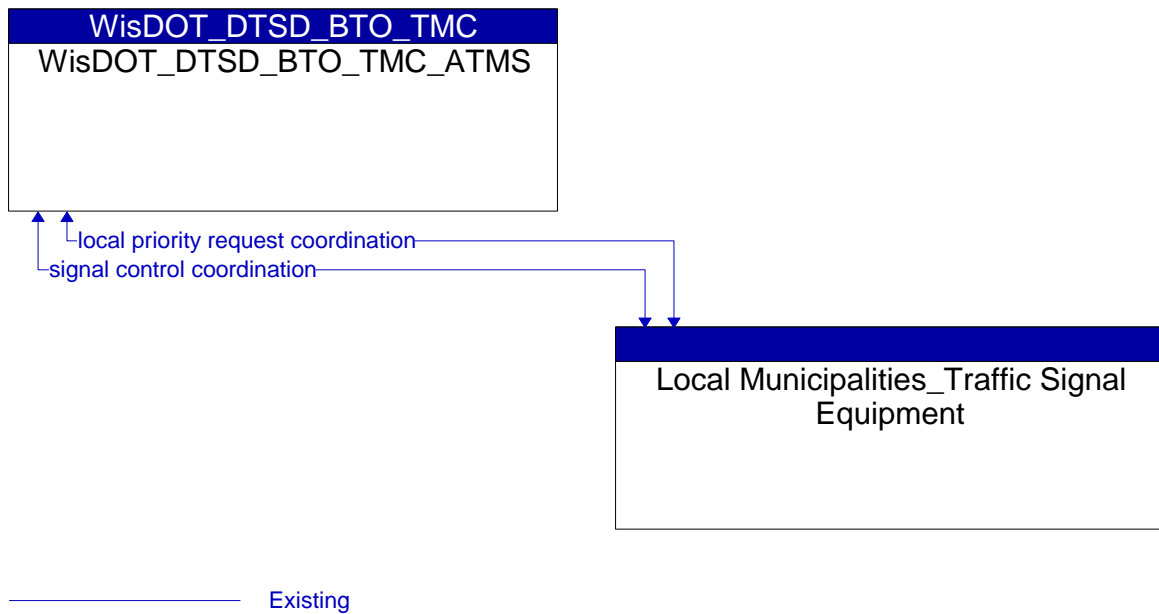


Figure 241: Local Municipalities_Traffic Signal Equipment - WisDOT_DTSD_BTO_TMC_ATMS Interface

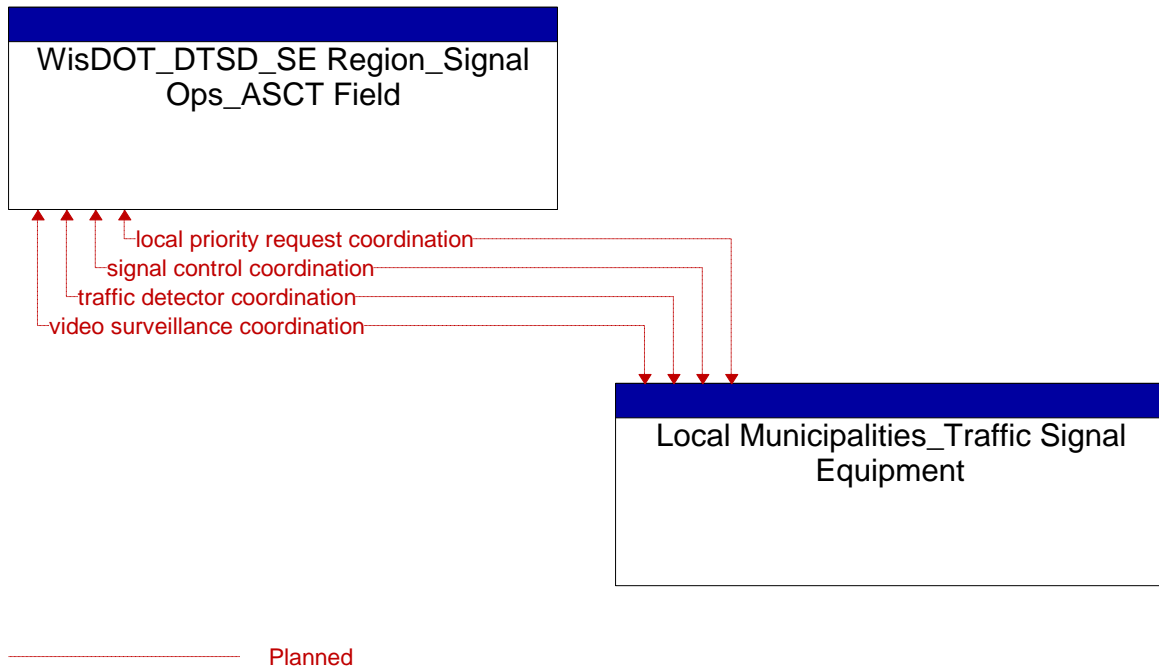


Figure 242: Local Municipalities_Traffic Signal Equipment - WisDOT_DTSD_SE Region_Signal Ops_ASCT Field Interface

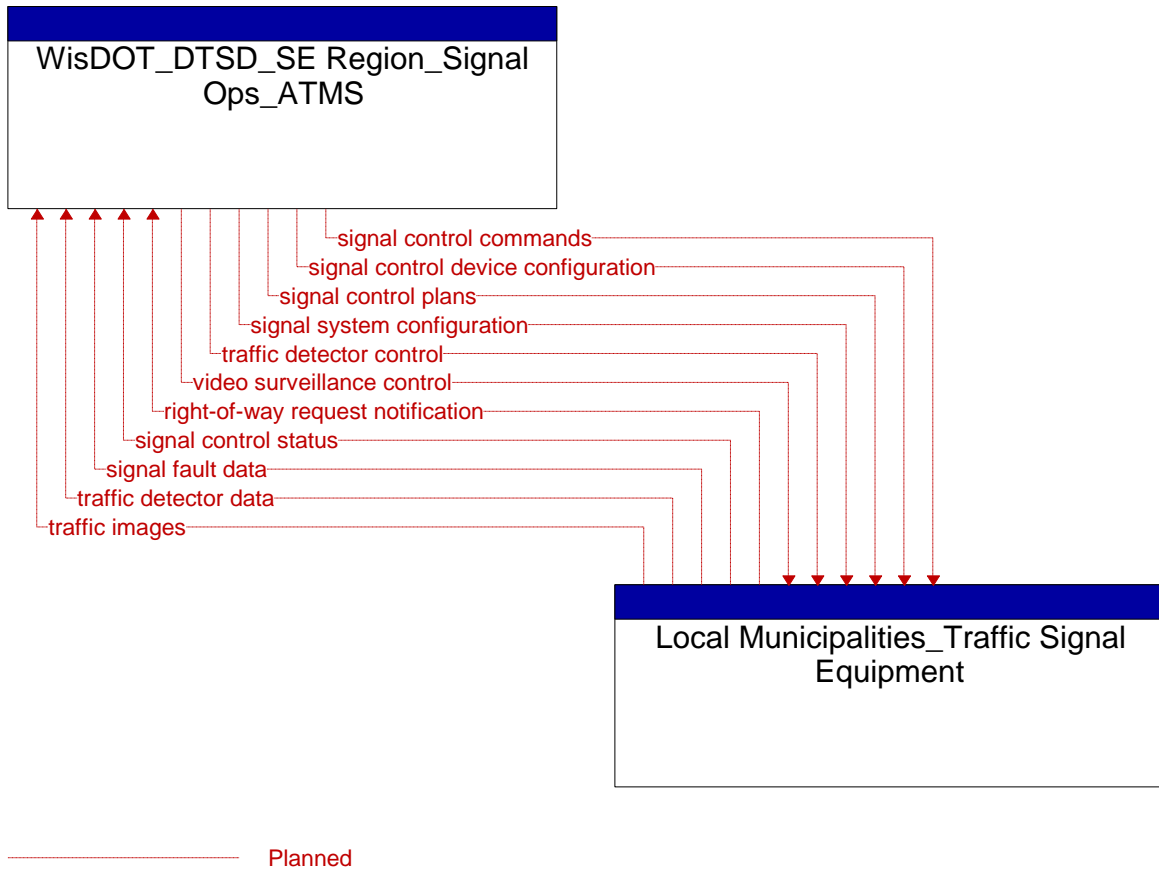


Figure 243: Local Municipalities_Traffic Signal Equipment - WisDOT_DTSD_SE Region_Signal Ops_ATMS Interface

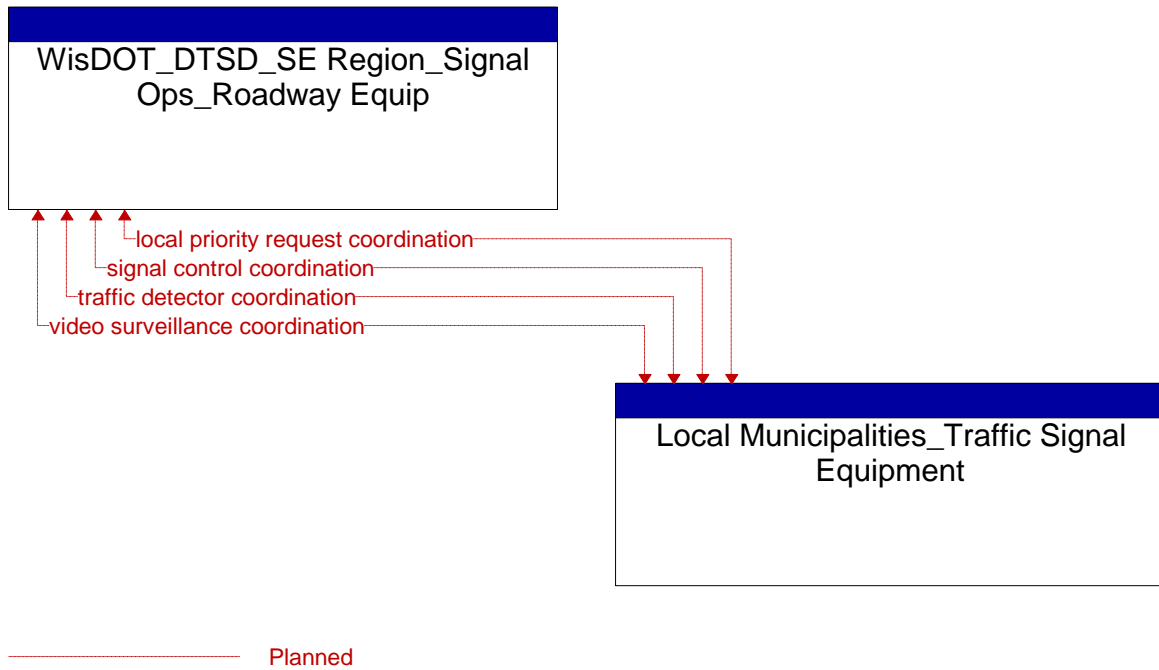


Figure 244: Local Municipalities_Traffic Signal Equipment - WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip Interface

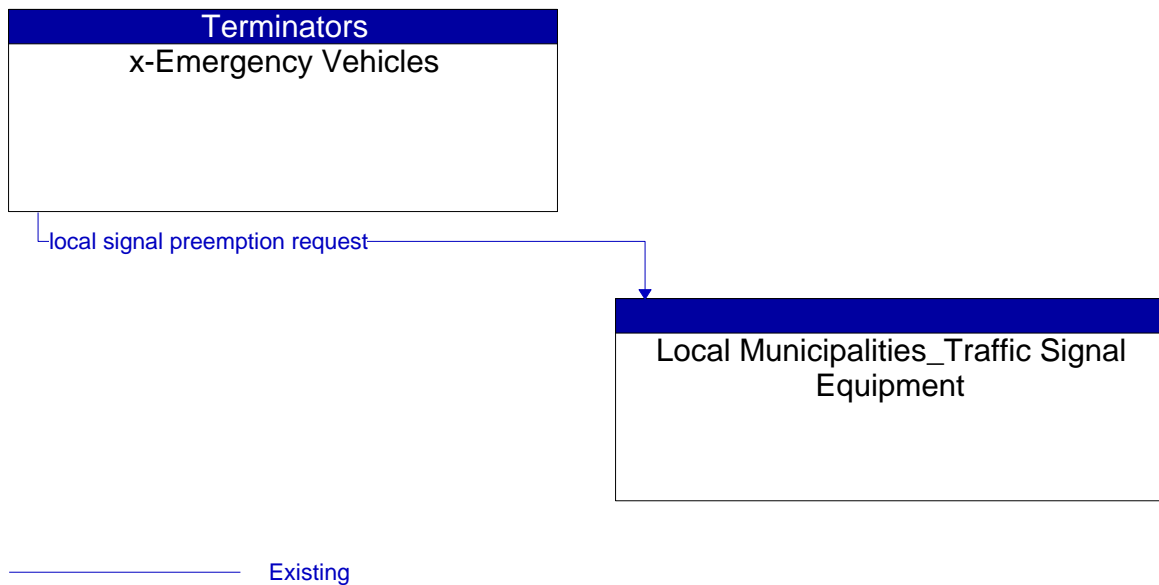


Figure 245: Local Municipalities_Traffic Signal Equipment - x-Emergency Vehicles Interface

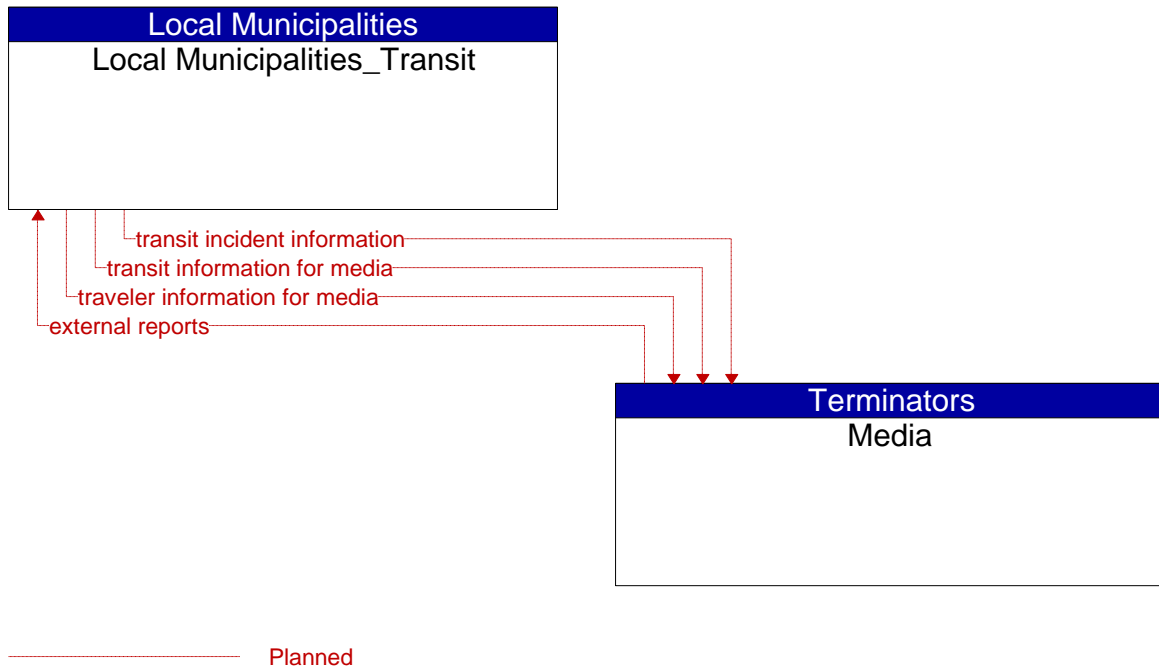


Figure 246: Local Municipalities_Transit - Media Interface

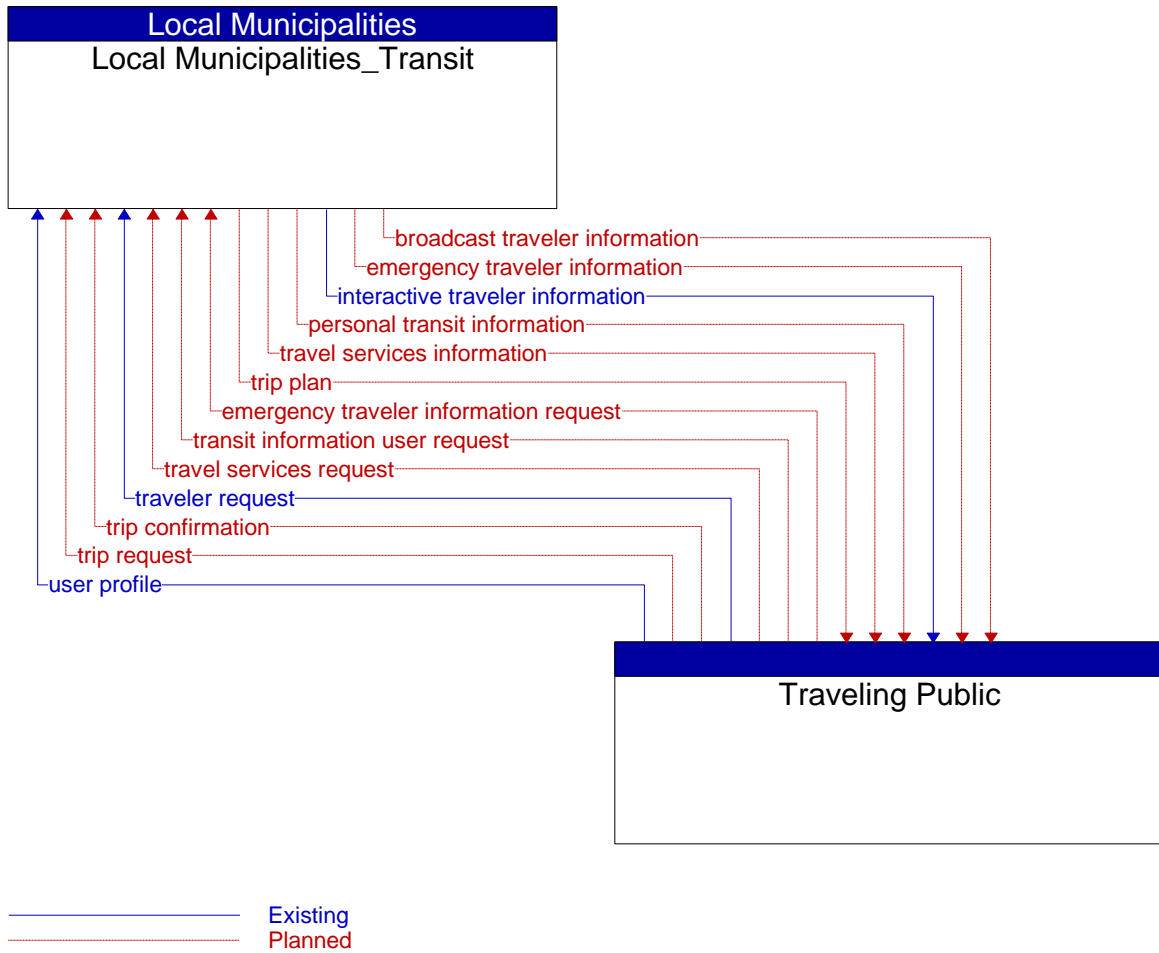


Figure 247: Local Municipalities_Transit - Traveling Public Interface

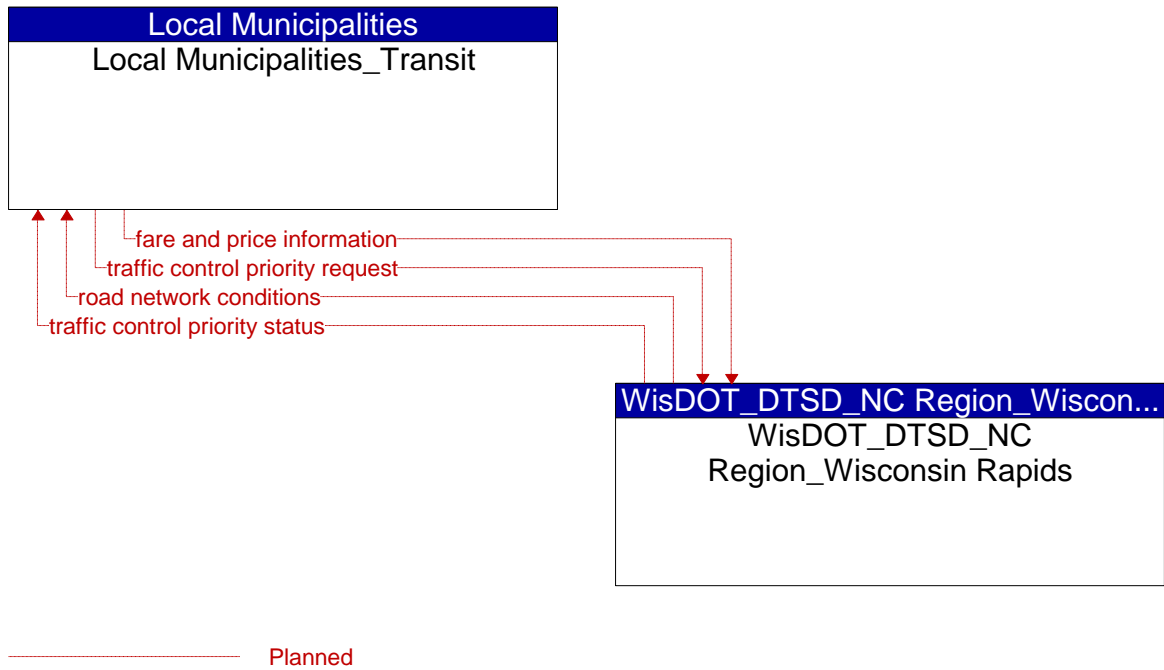


Figure 248: Local Municipalities_Transit - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

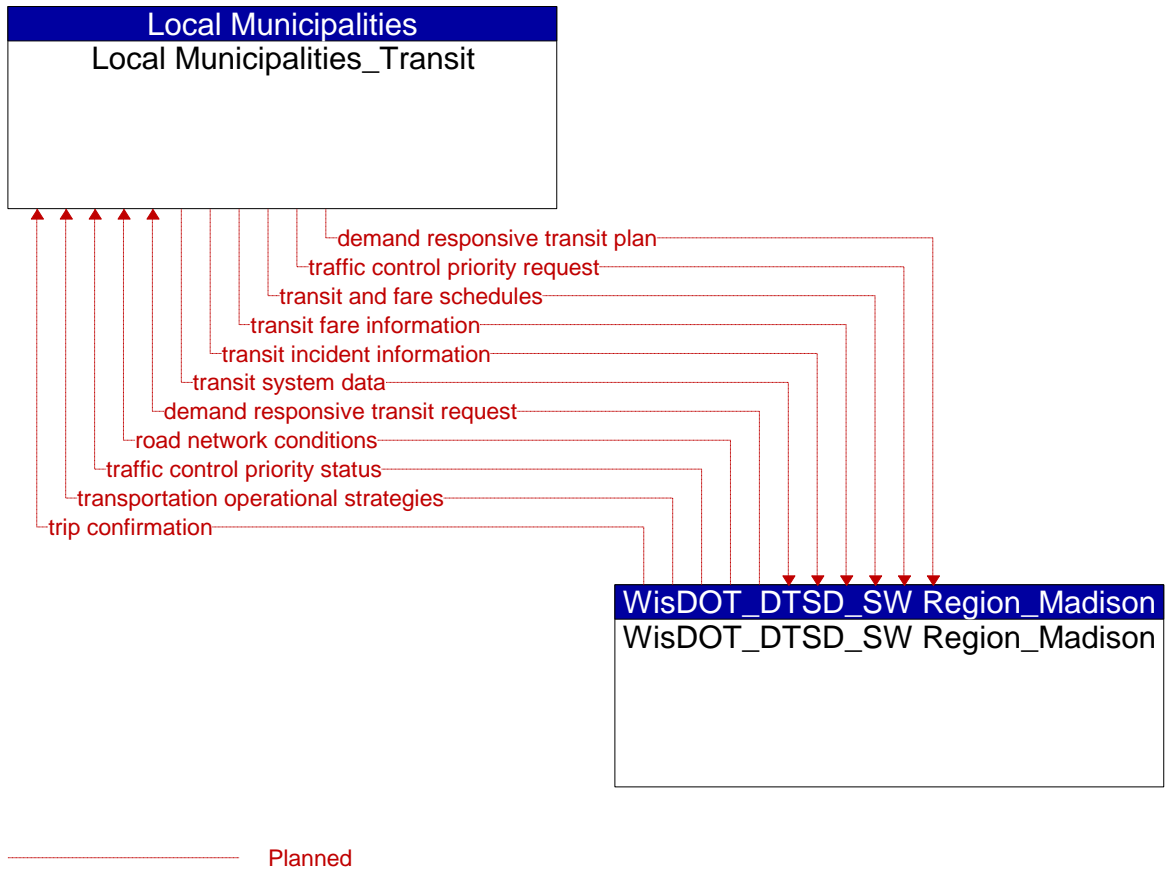


Figure 249: Local Municipalities_Transit - WisDOT_DTSD_SW Region_Madison Interface

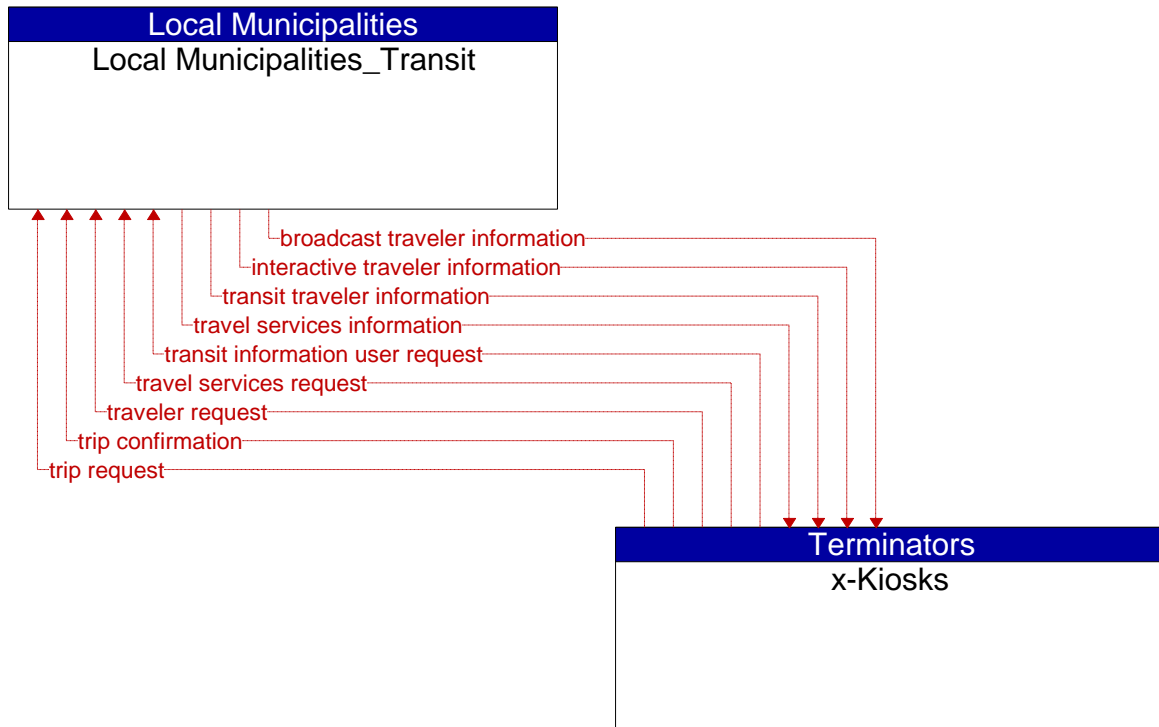


Figure 250: Local Municipalities_Transit - x-Kiosks Interface

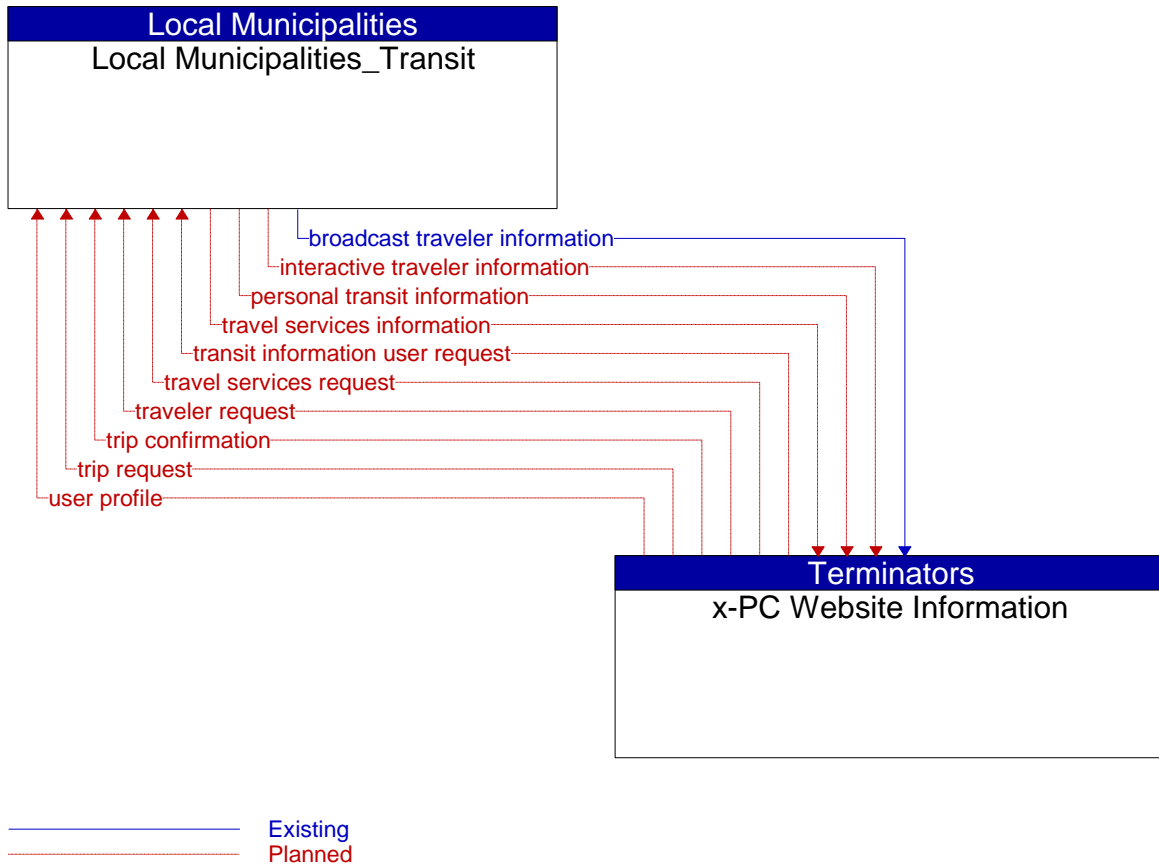
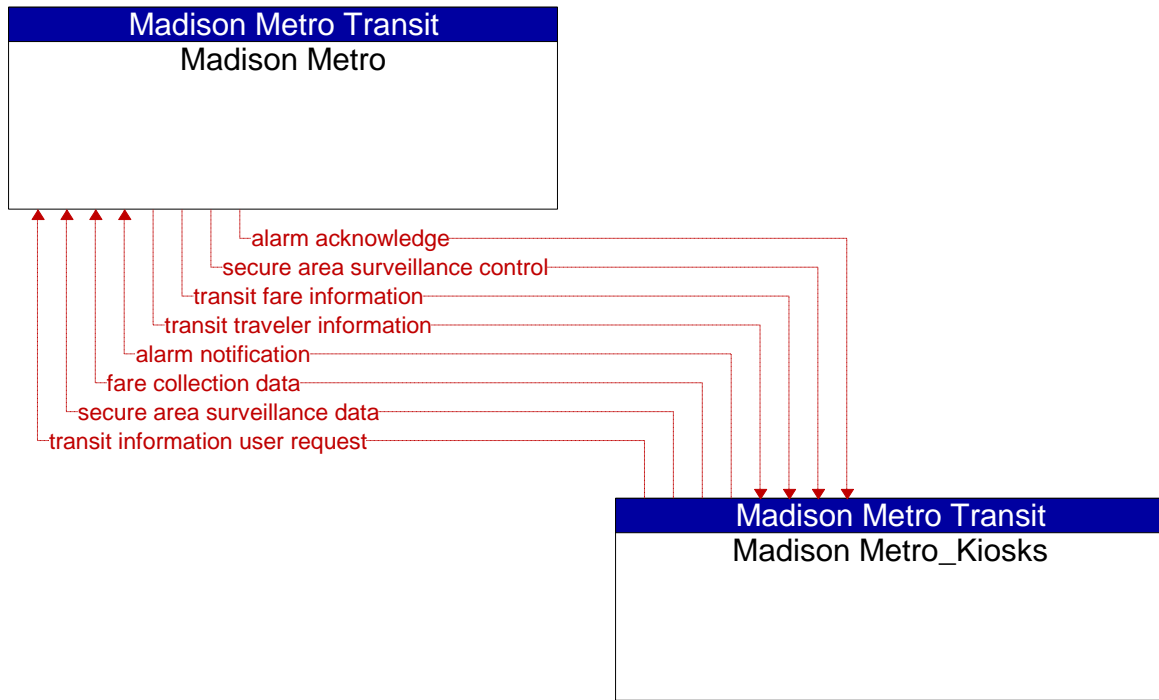


Figure 251: Local Municipalities_Transit - x-PC Website Information Interface



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Figure 252: Madison Metro - Madison Metro_Kiosks Interface

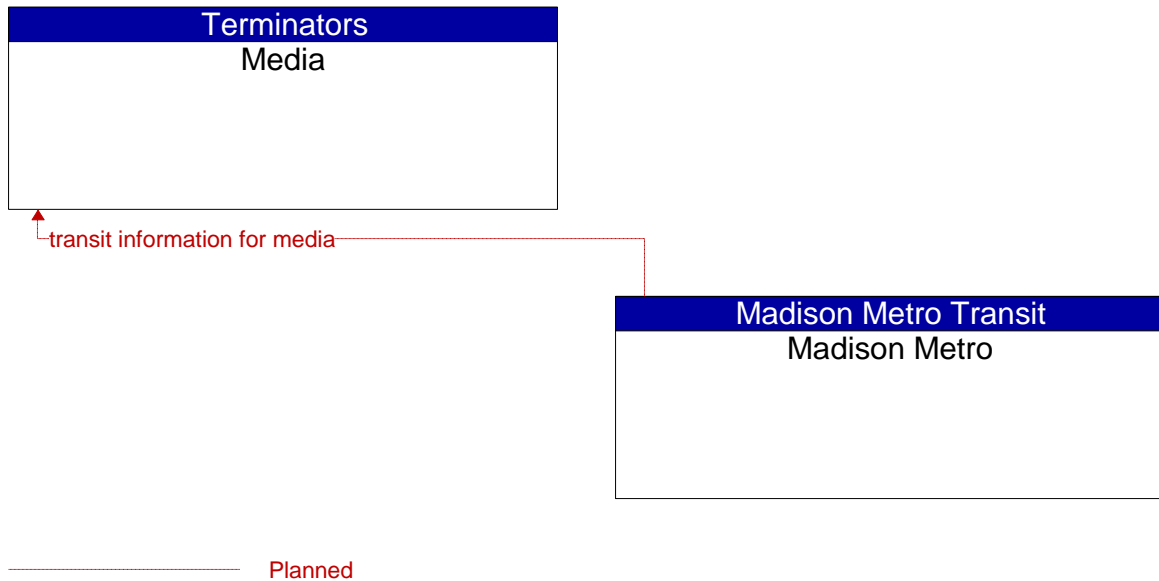


Figure 253: Madison Metro - Media Interface

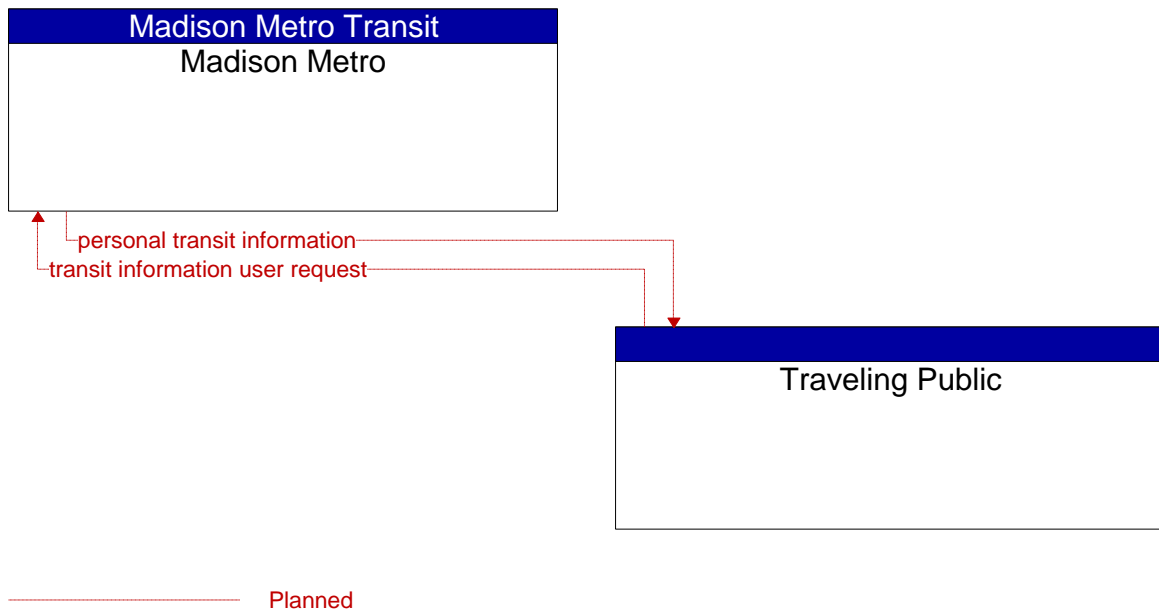


Figure 254: Madison Metro - Traveling Public Interface

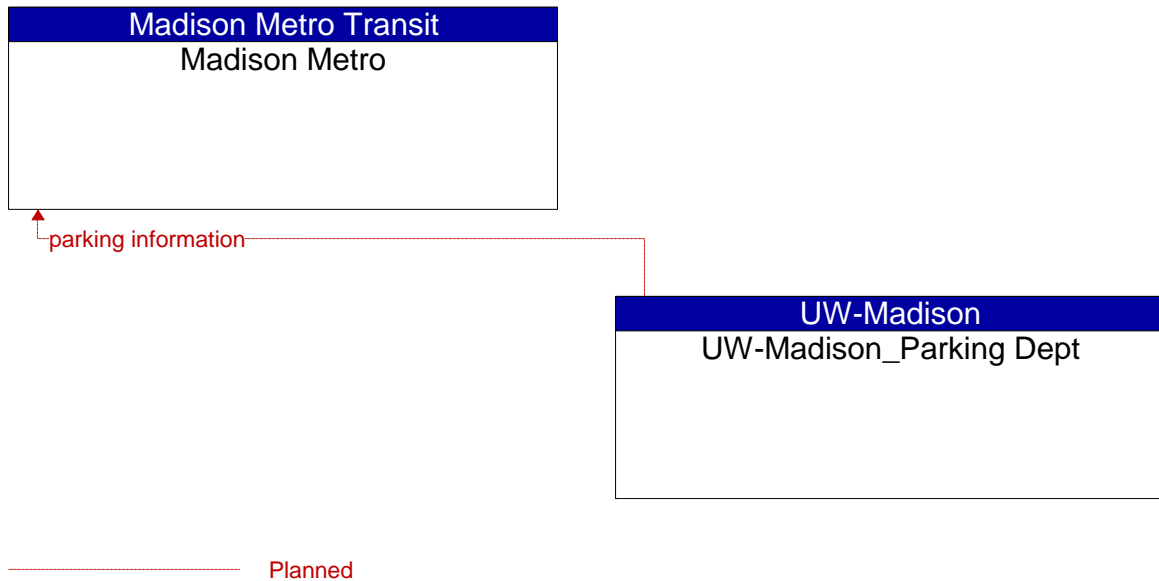


Figure 255: Madison Metro - UW-Madison_Parking Dept Interface

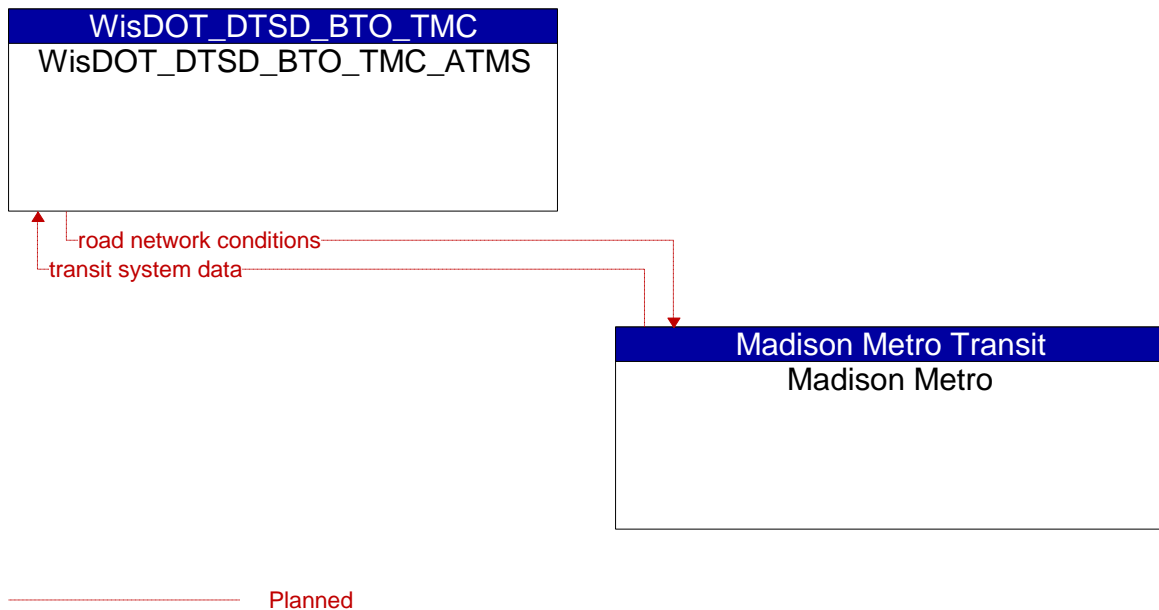


Figure 256: Madison Metro - WisDOT_DTSD_BTO_TMC_ATMS Interface

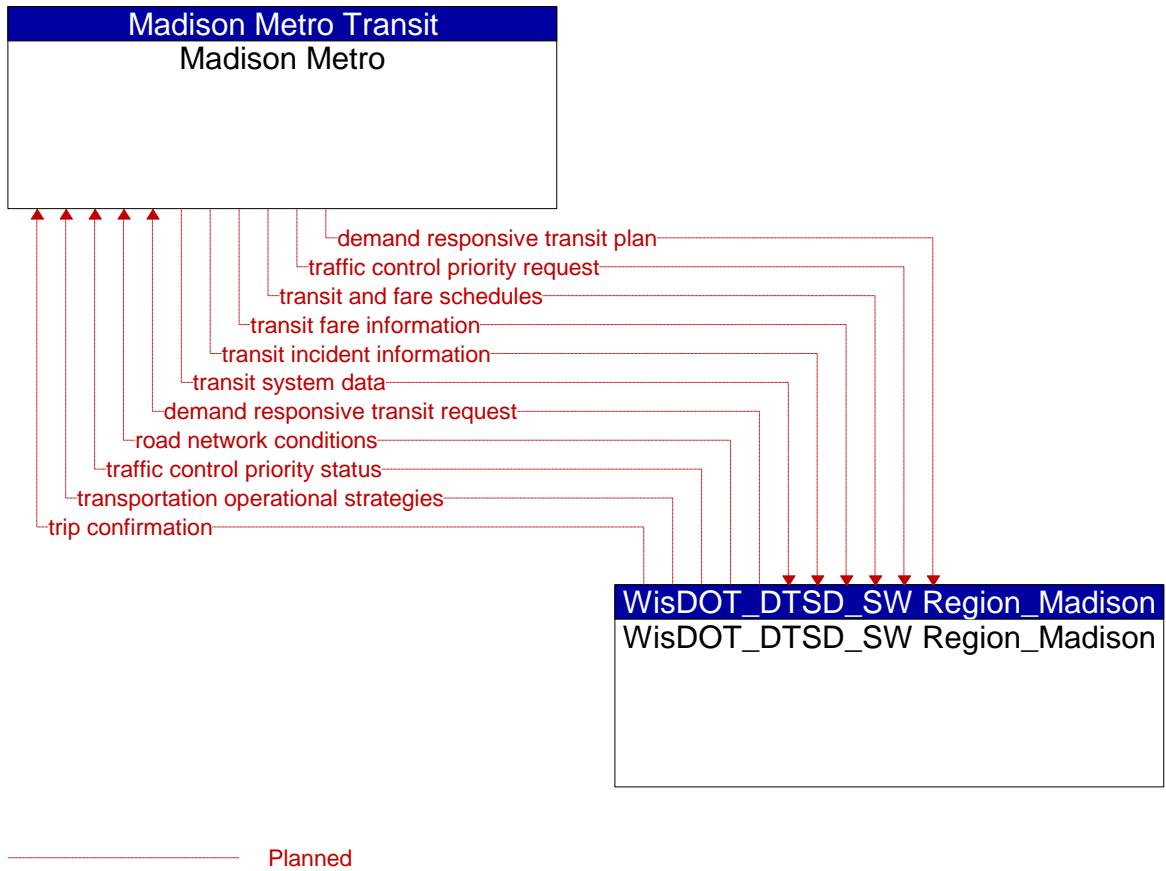


Figure 257: Madison Metro - WisDOT_DTSD_SW Region_Madison Interface

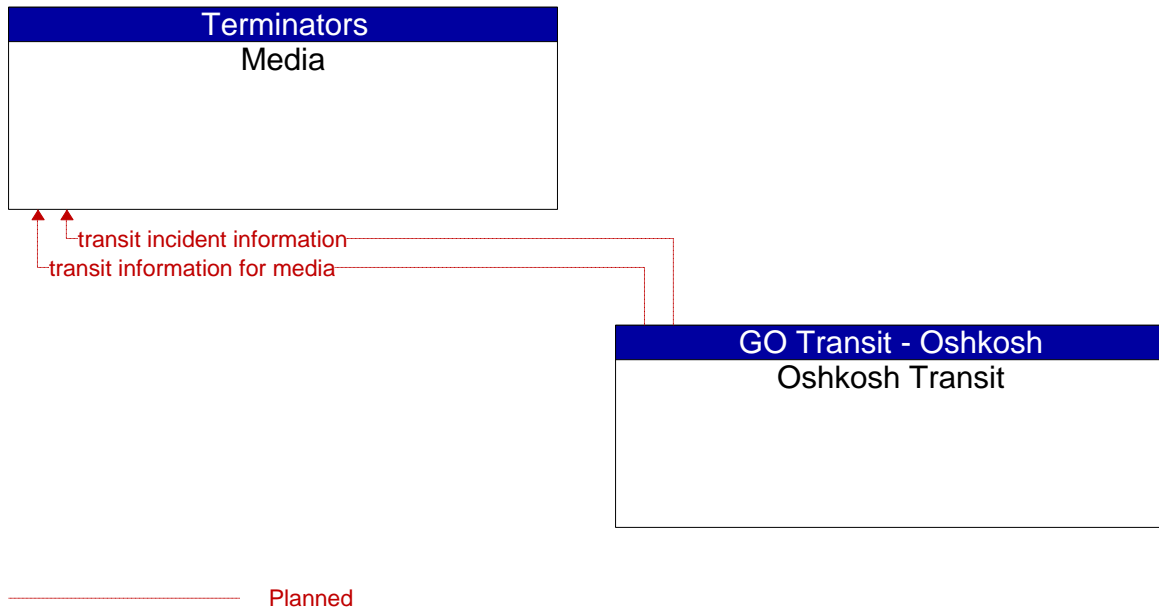


Figure 258: Media - Oshkosh Transit Interface

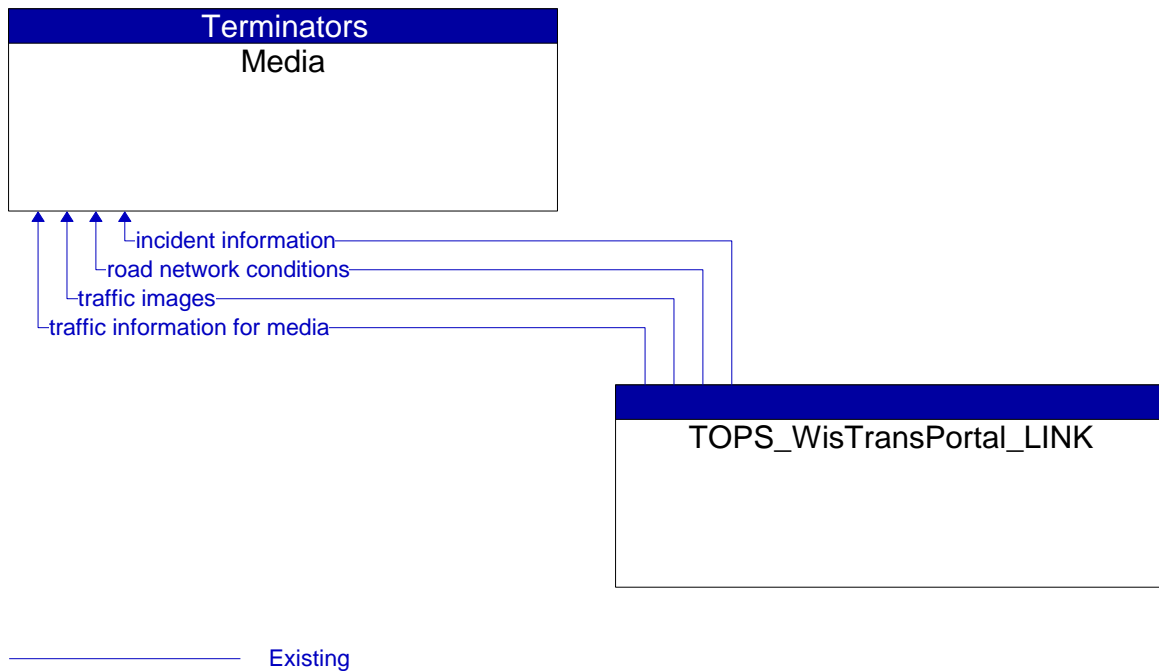


Figure 259: Media - TOPS_WisTransPortal_LINK Interface

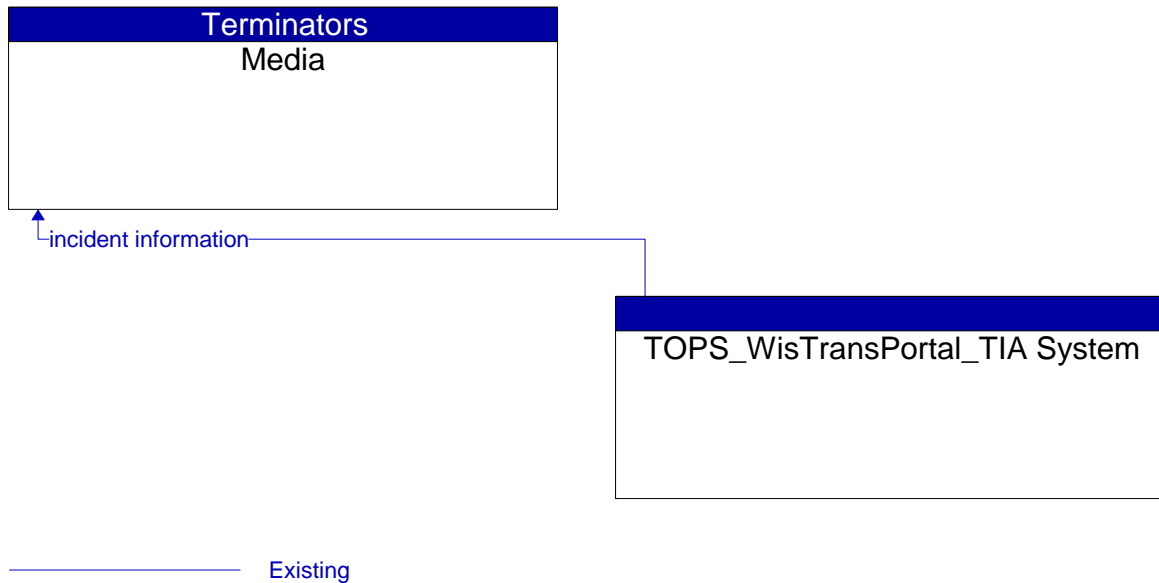


Figure 260: Media - TOPS_WisTransPortal_TIA System Interface

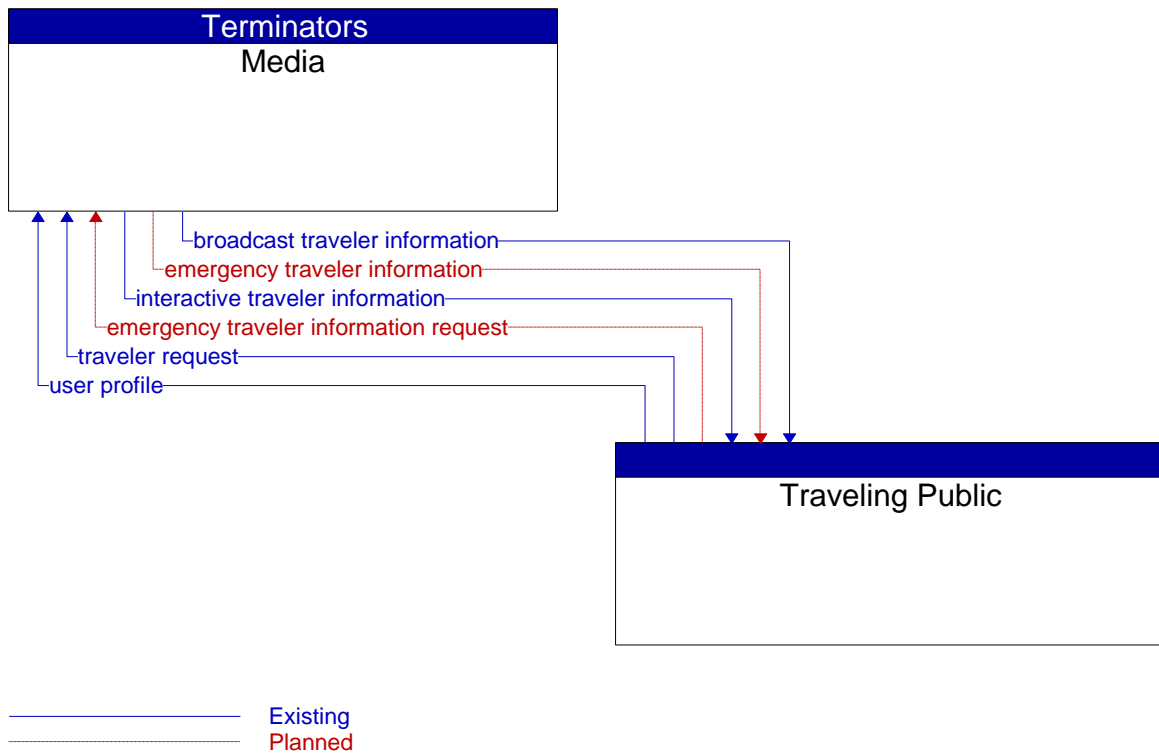


Figure 261: Media - Traveling Public Interface

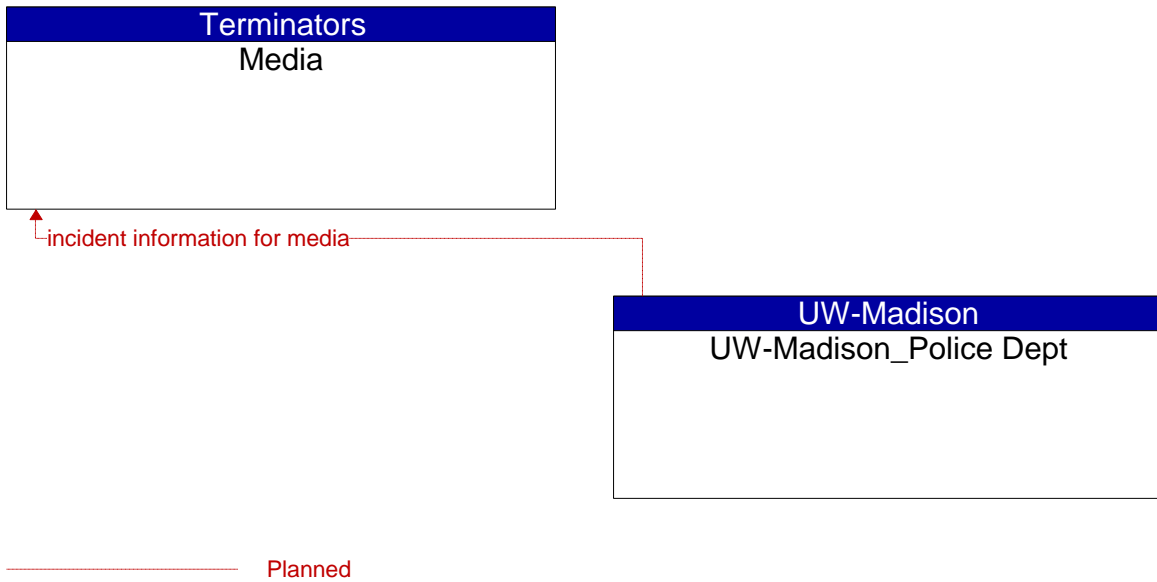


Figure 262: Media - UW-Madison_Police Dept Interface

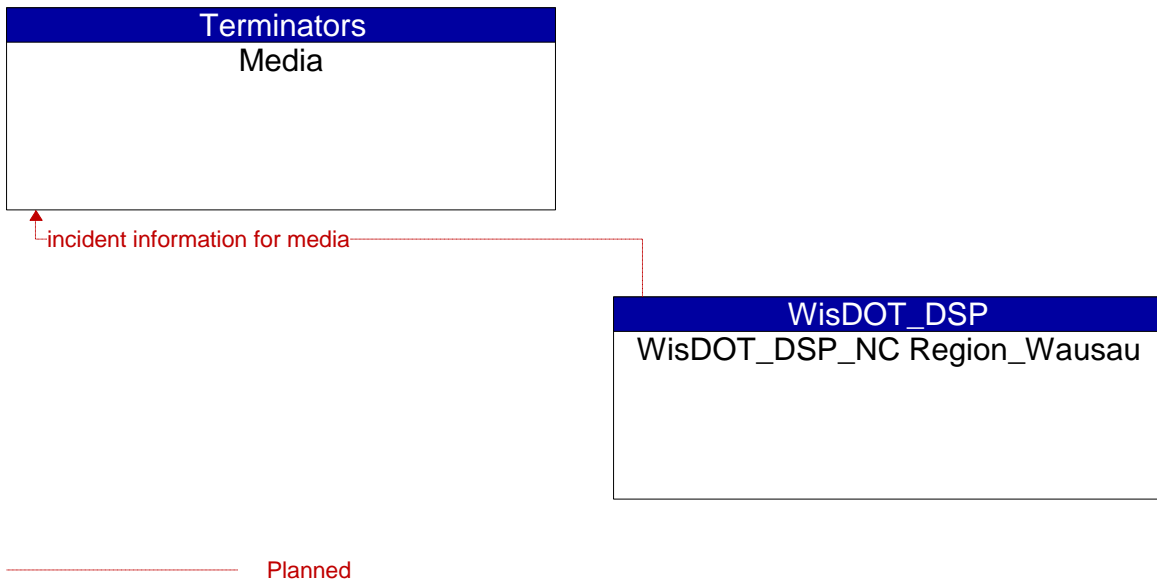


Figure 263: Media - WisDOT_DSP_NC Region_Wausau Interface

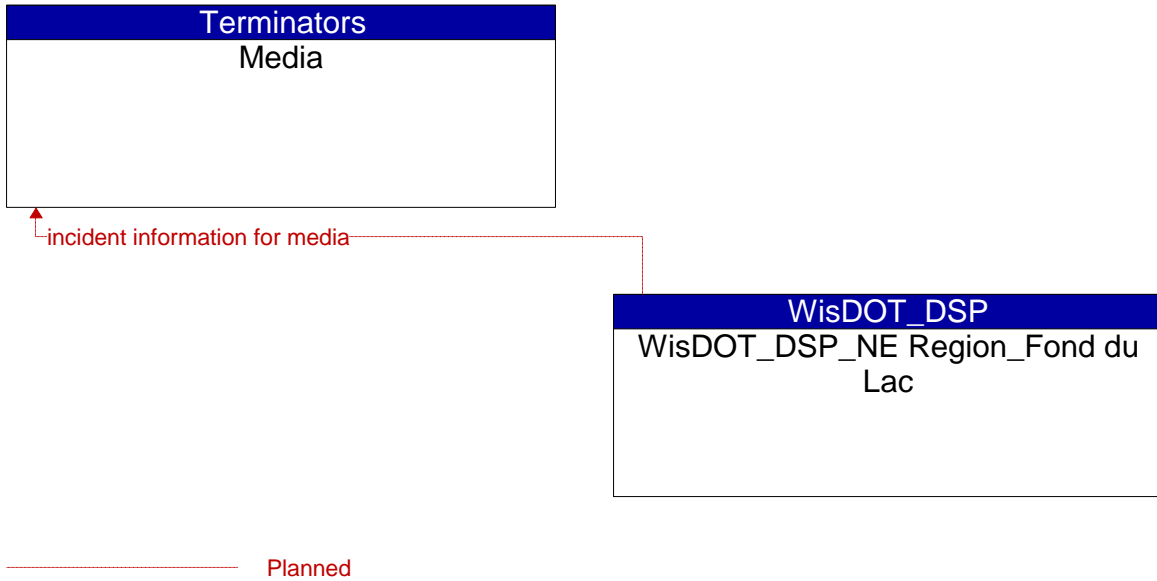


Figure 264: Media - WisDOT_DSP_NE Region_Fond du Lac Interface

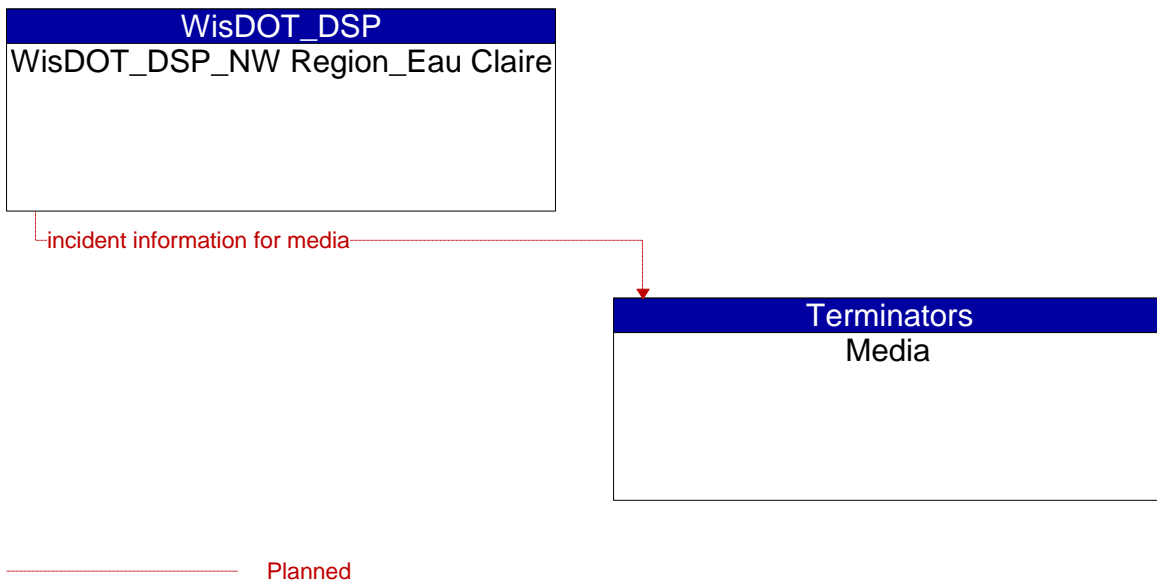


Figure 265: Media - WisDOT_DSP_NW Region_Eau Claire Interface

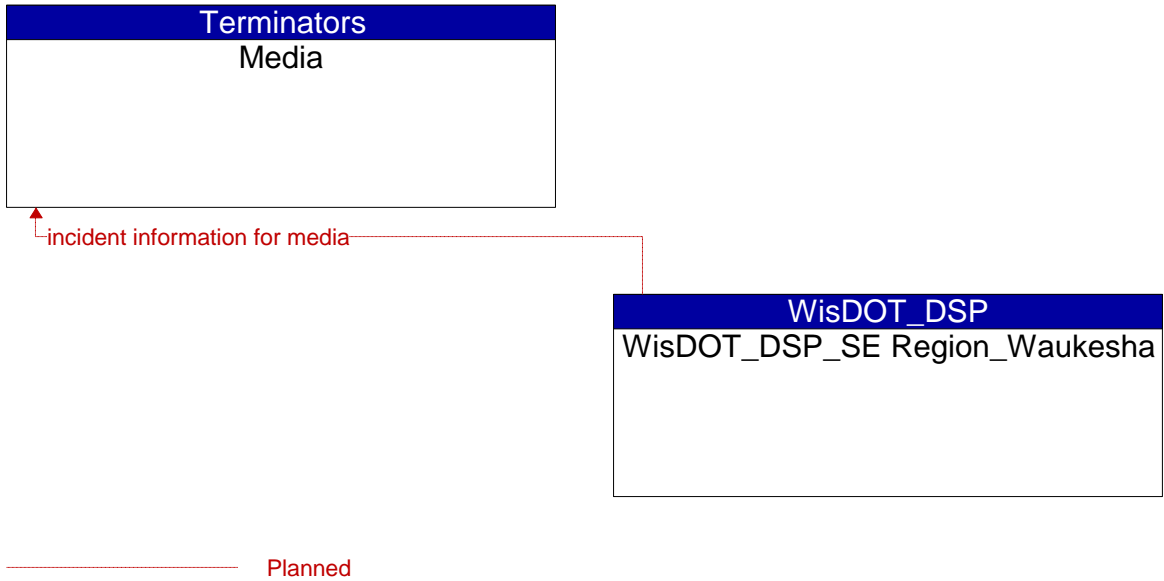


Figure 266: Media - WisDOT_DSP_SE Region_Waukesha Interface

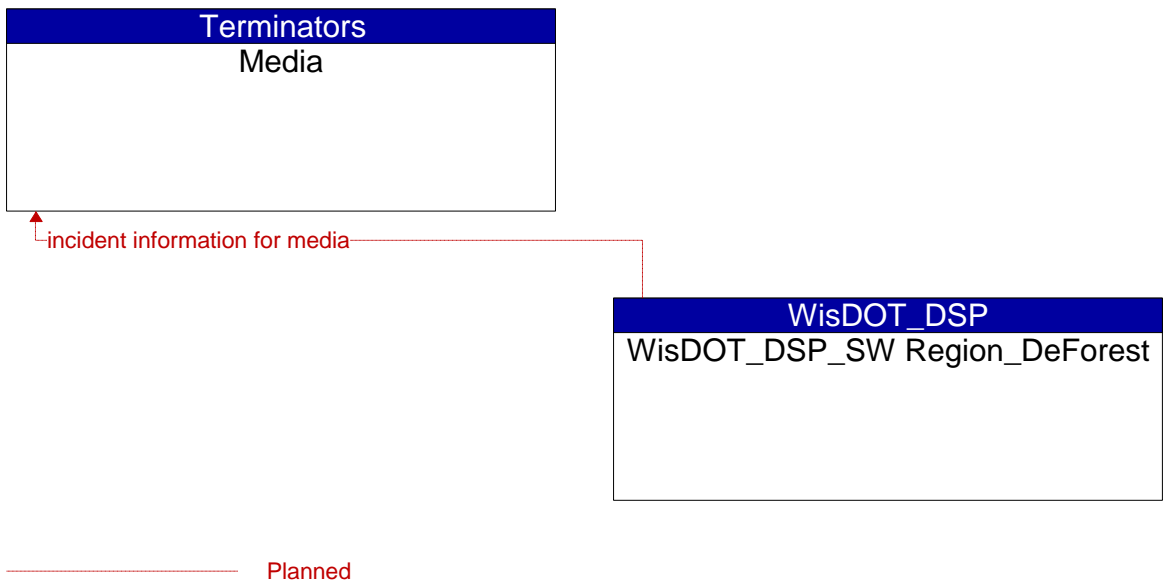


Figure 267: Media - WisDOT_DSP_SW Region_DeForest Interface

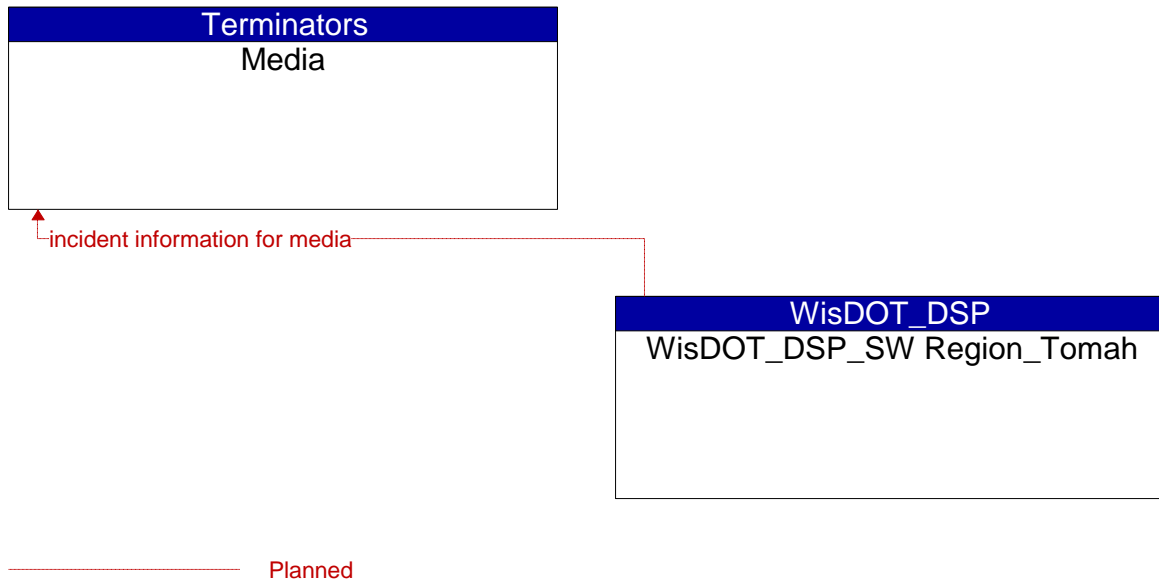


Figure 268: Media - WisDOT_DSP_SW Region_Tomah Interface

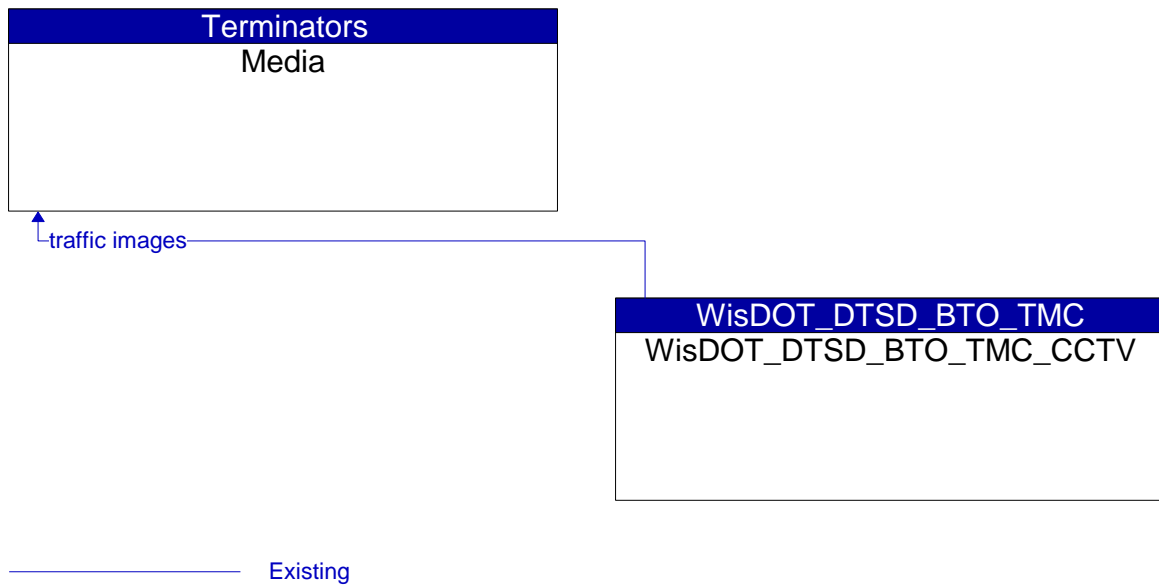


Figure 269: Media - WisDOT_DTSD_BTO_TMC_CCTV Interface

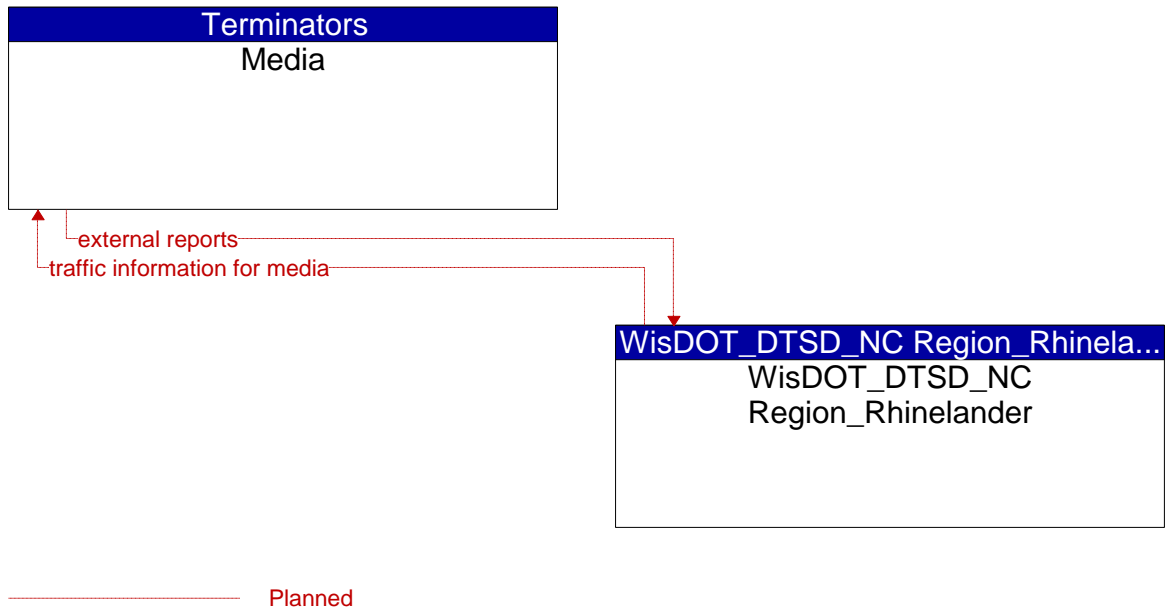


Figure 270: Media - WisDOT_DTSD_NC Region_Rhineland Interface

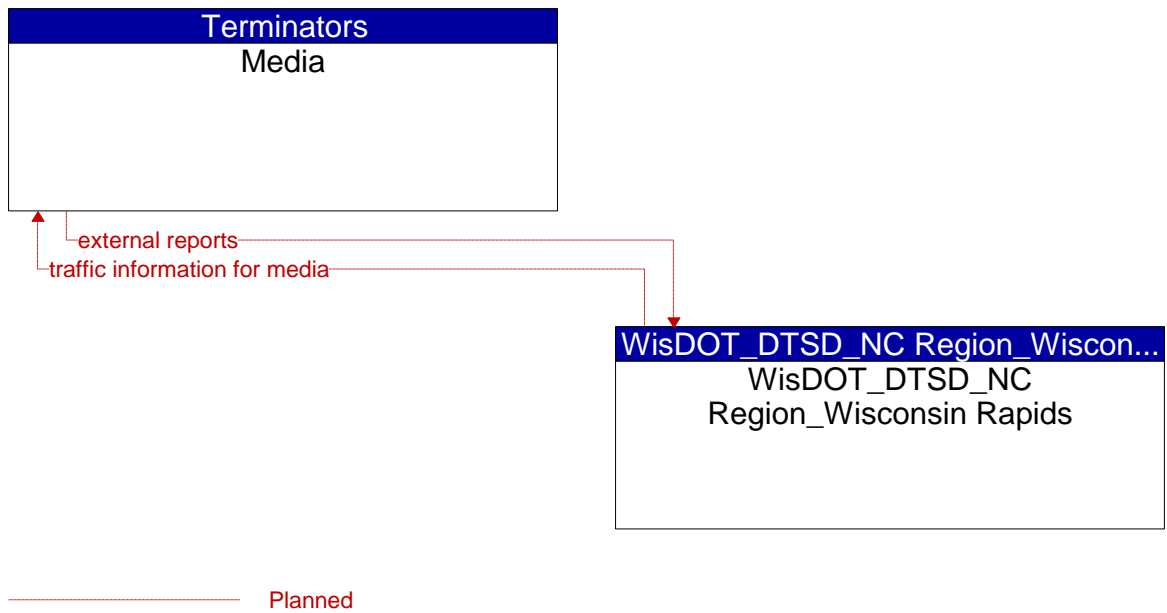


Figure 271: Media - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

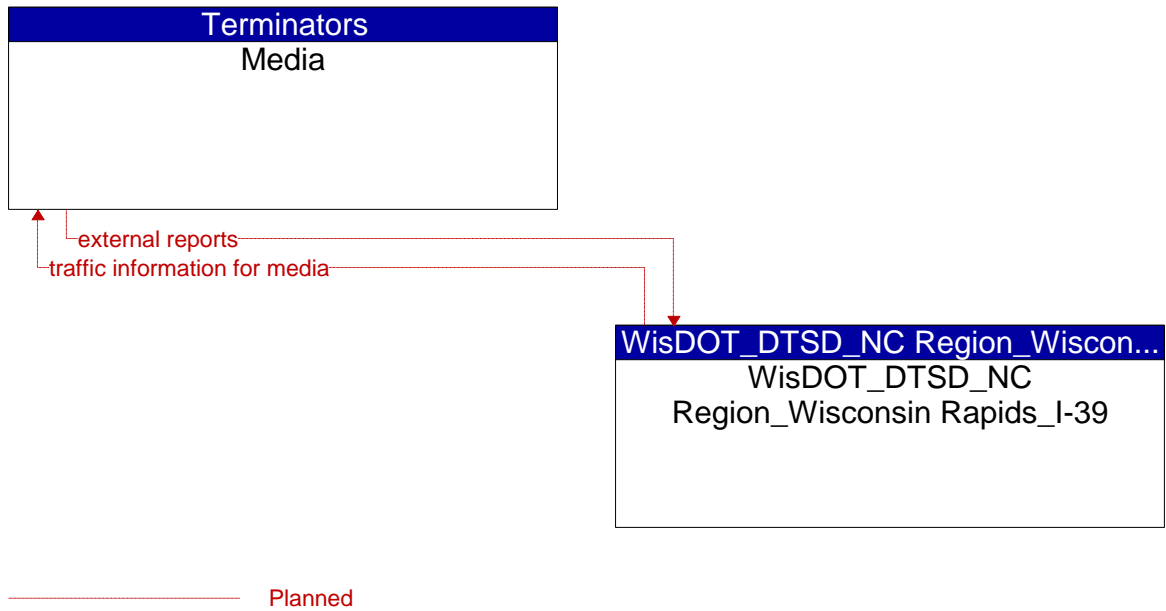


Figure 272: Media - WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 Interface

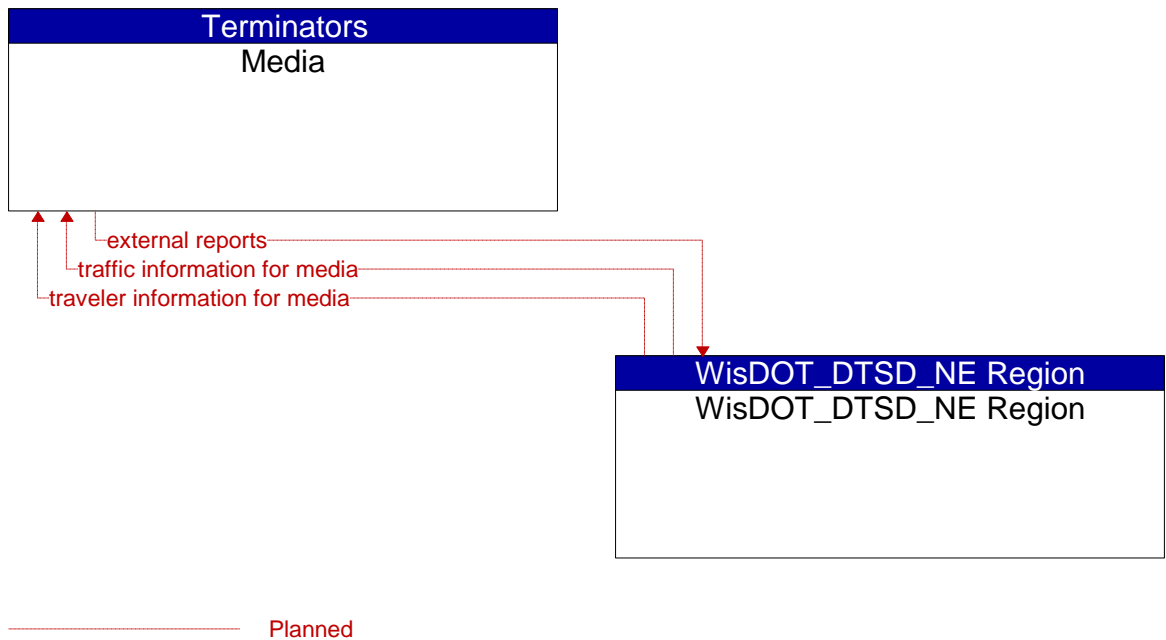


Figure 273: Media - WisDOT_DTSD_NE Region Interface

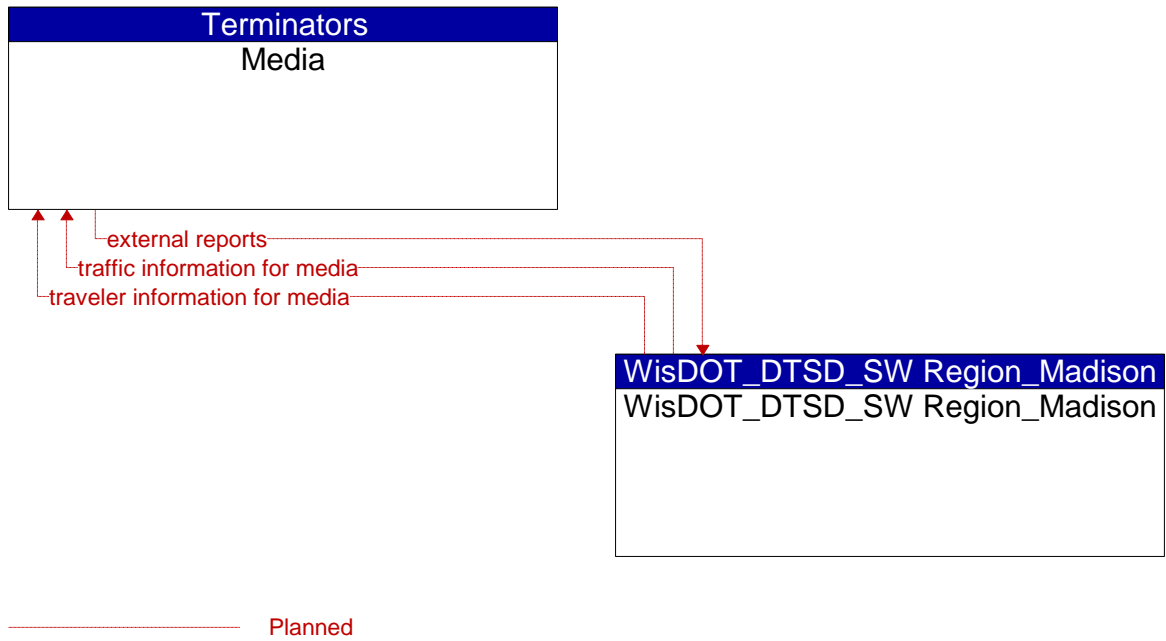


Figure 274: Media - WisDOT_DTSD_SW Region_Madison Interface

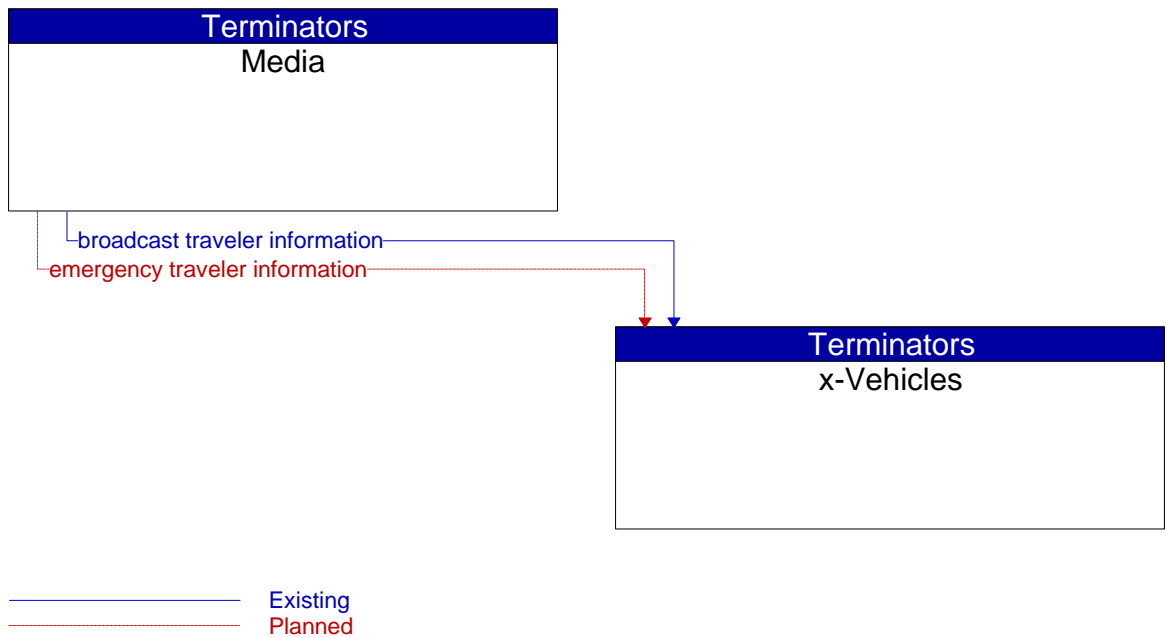


Figure 275: Media - x-Vehicles Interface

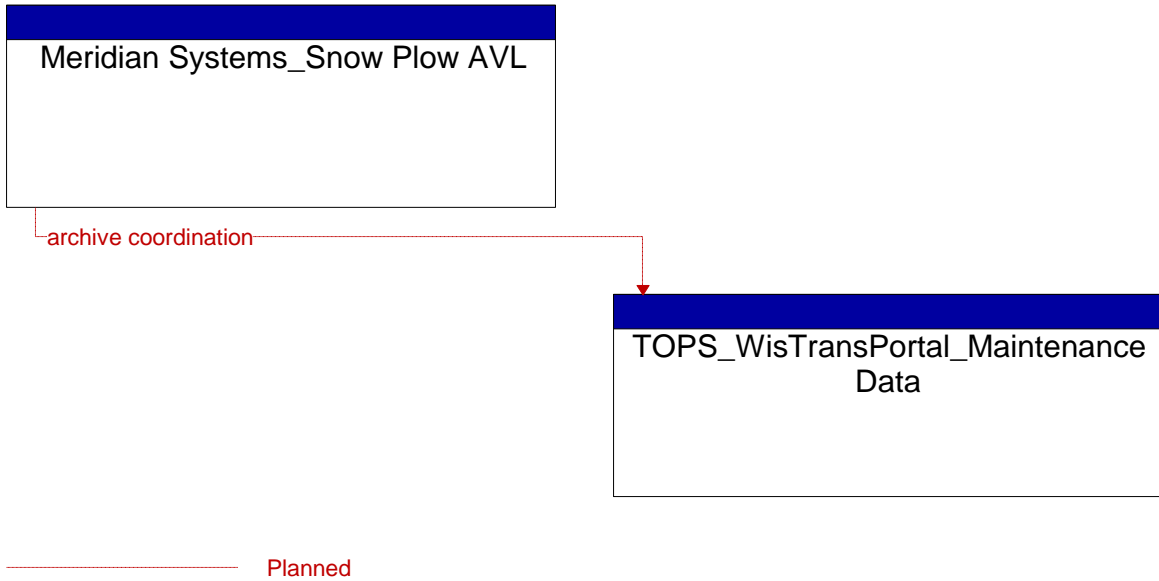


Figure 276: Meridian Systems_Snow Plow AVL - TOPS_WisTransPortal_Maintenance Data Interface

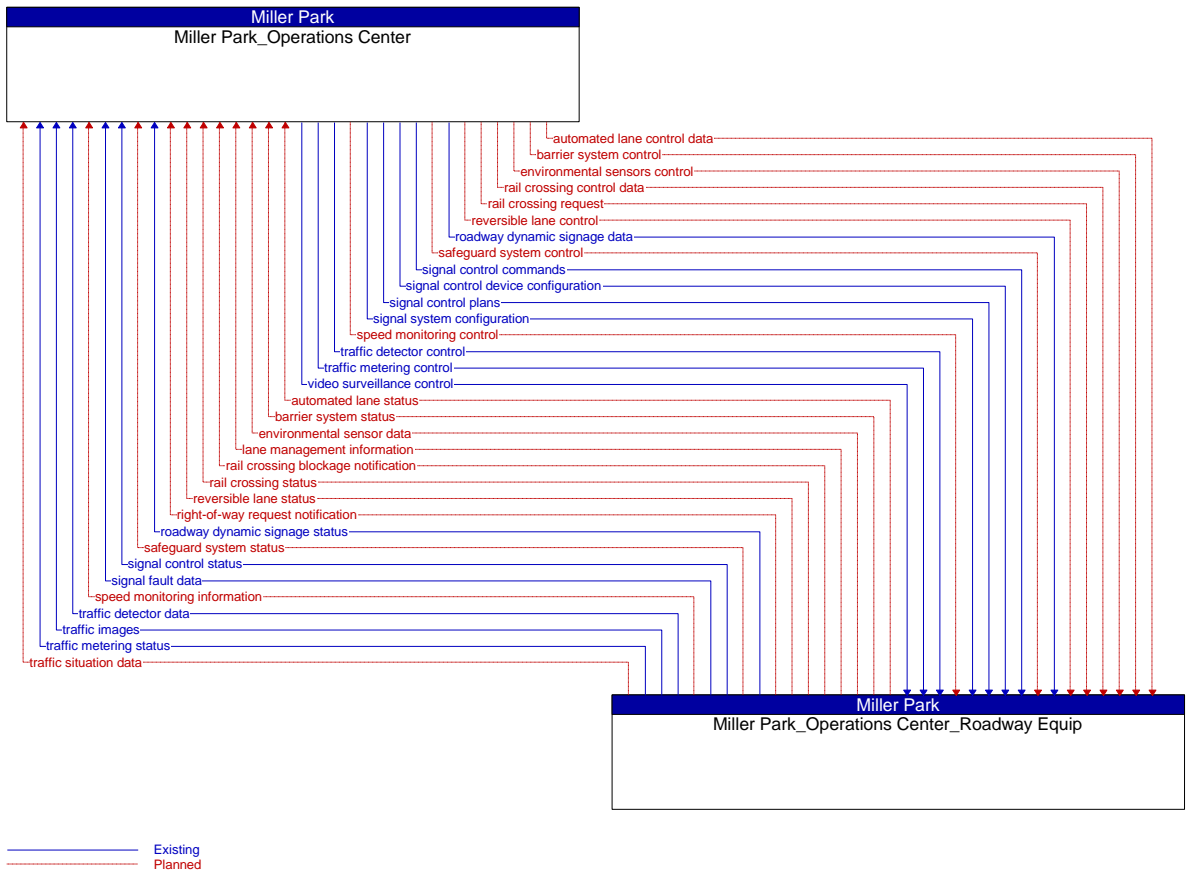


Figure 277: Miller Park_Operations Center - Miller Park_Operations Center_Roadway Equip Interface

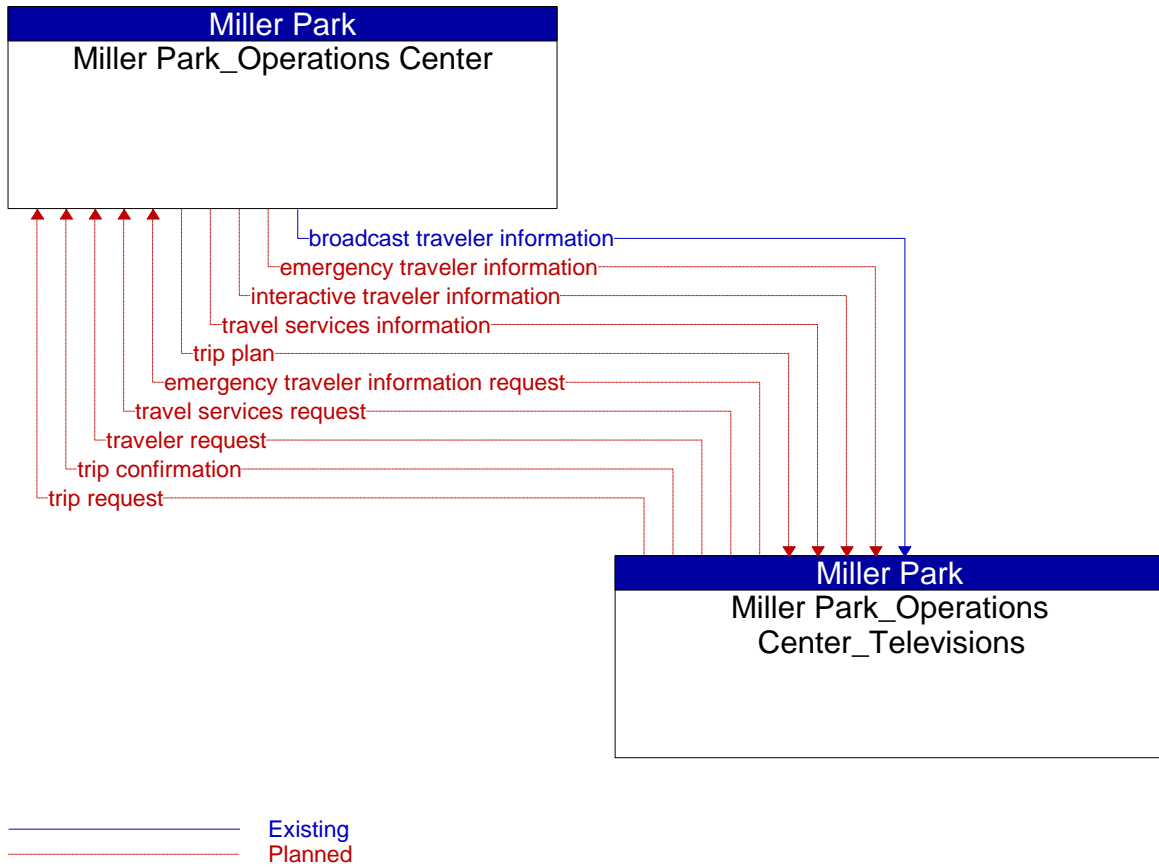


Figure 278: Miller Park_Operations Center - Miller Park_Operations Center_Televisions Interface

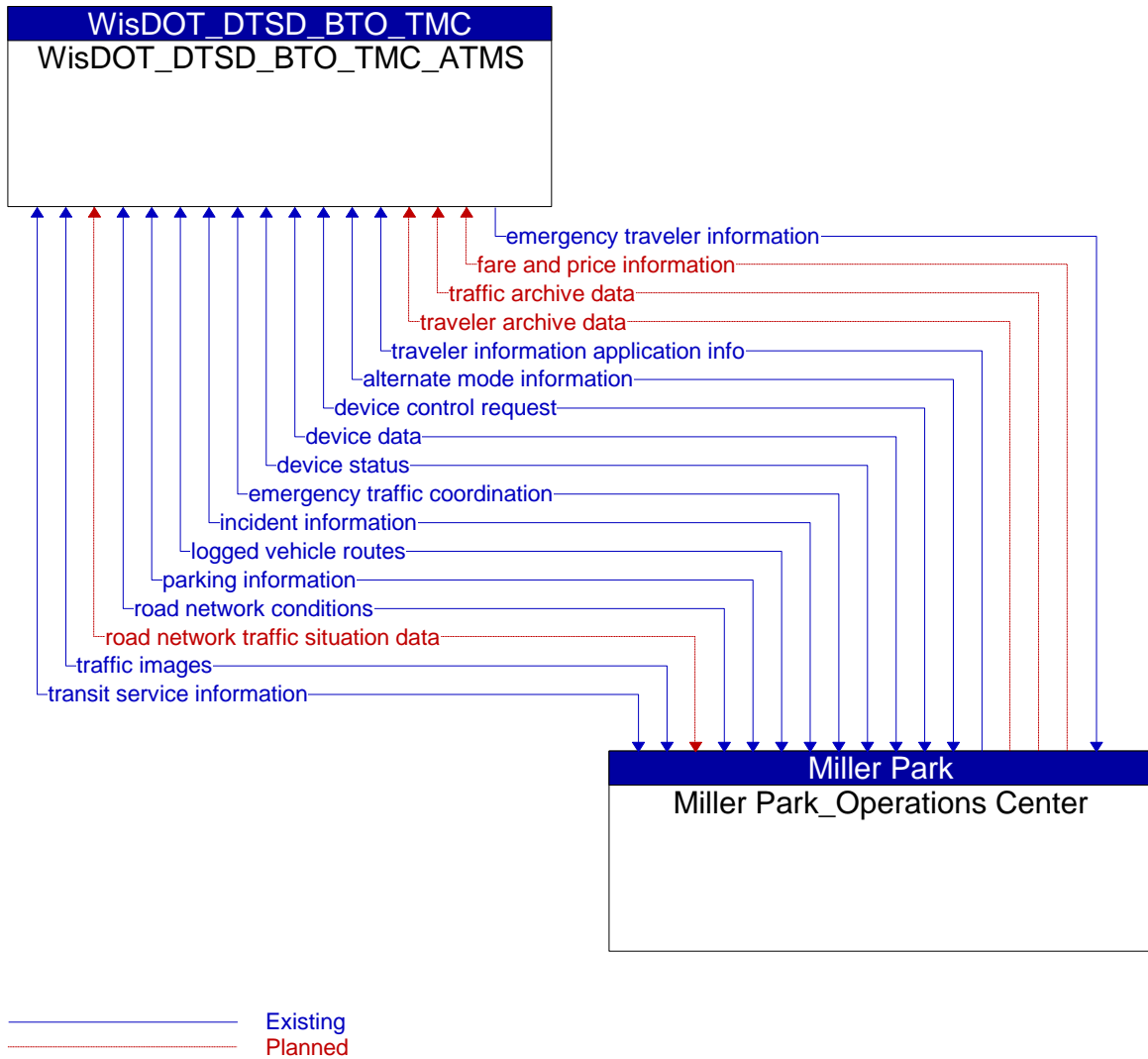


Figure 279: Miller Park_Operations Center - WisDOT_DTSD_BTO_TMC_ATMS Interface

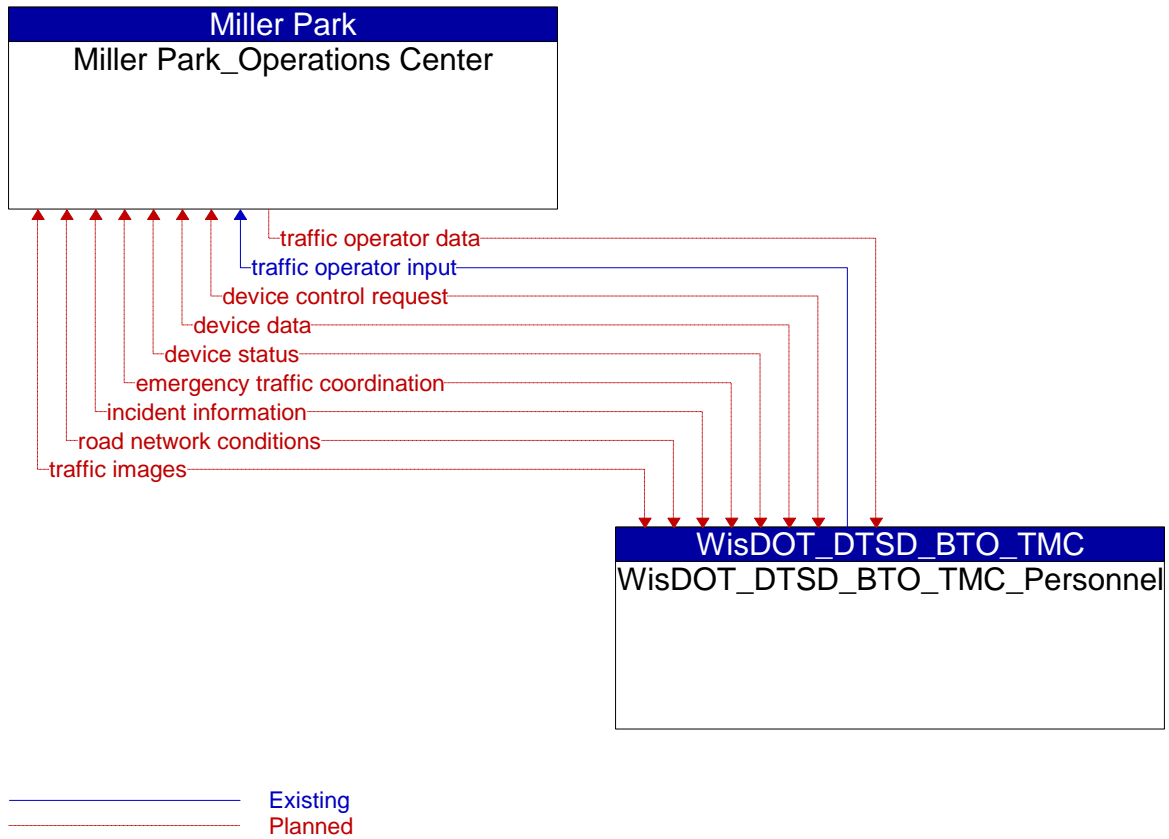


Figure 280: Miller Park_Operations Center - WisDOT_DTSD_BTO_TMC_Personnel Interface

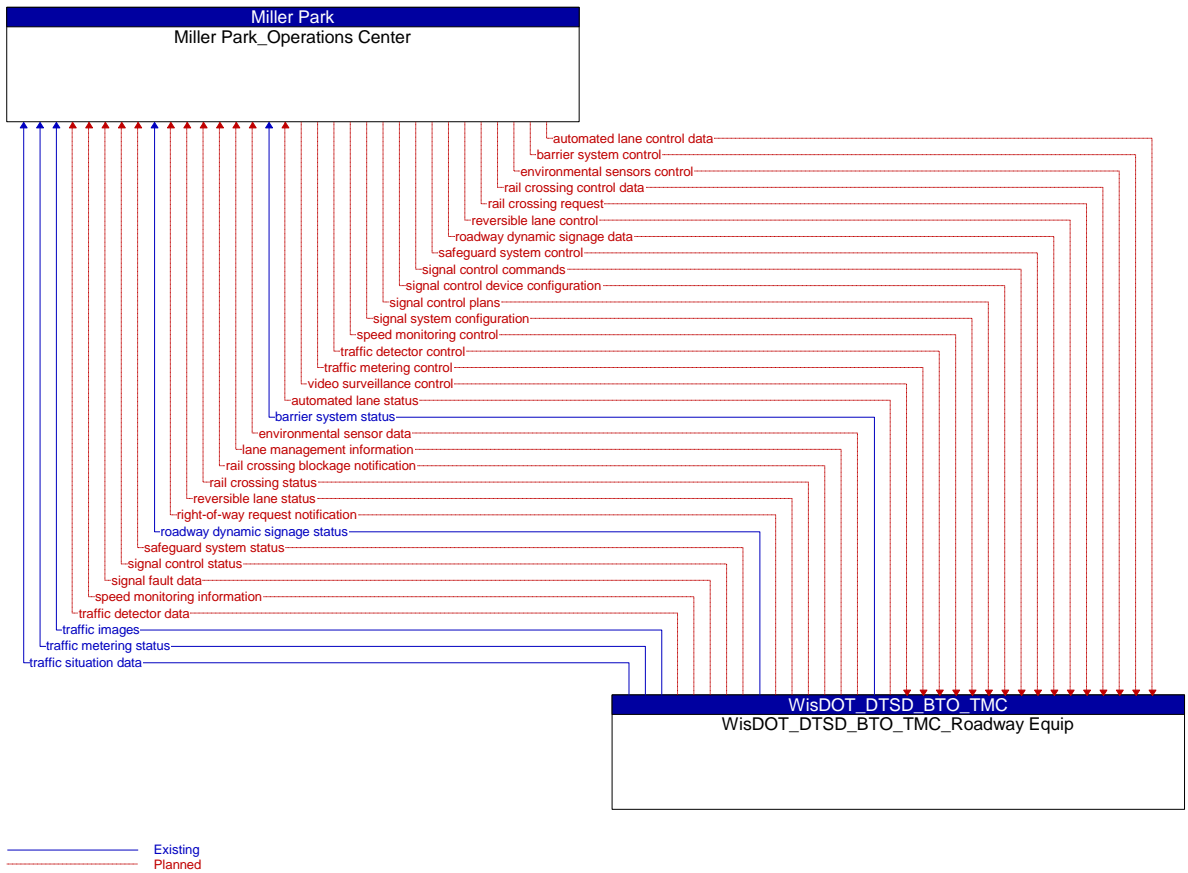


Figure 281: Miller Park_Operations Center - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

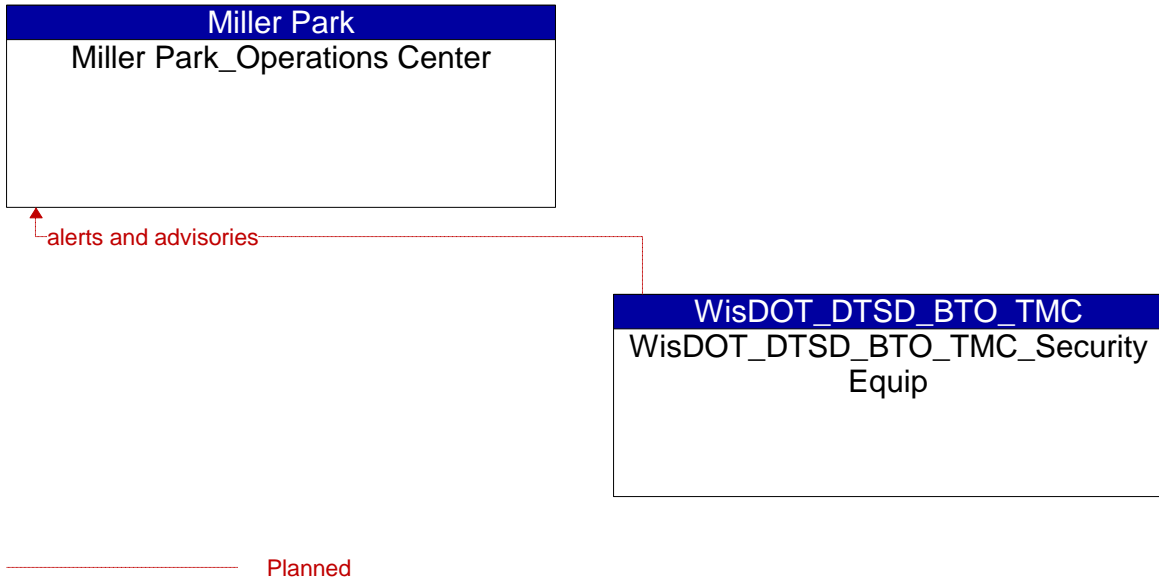


Figure 282: Miller Park_Operations Center - WisDOT_DTSD_BTO_TMC_Security Equip Interface

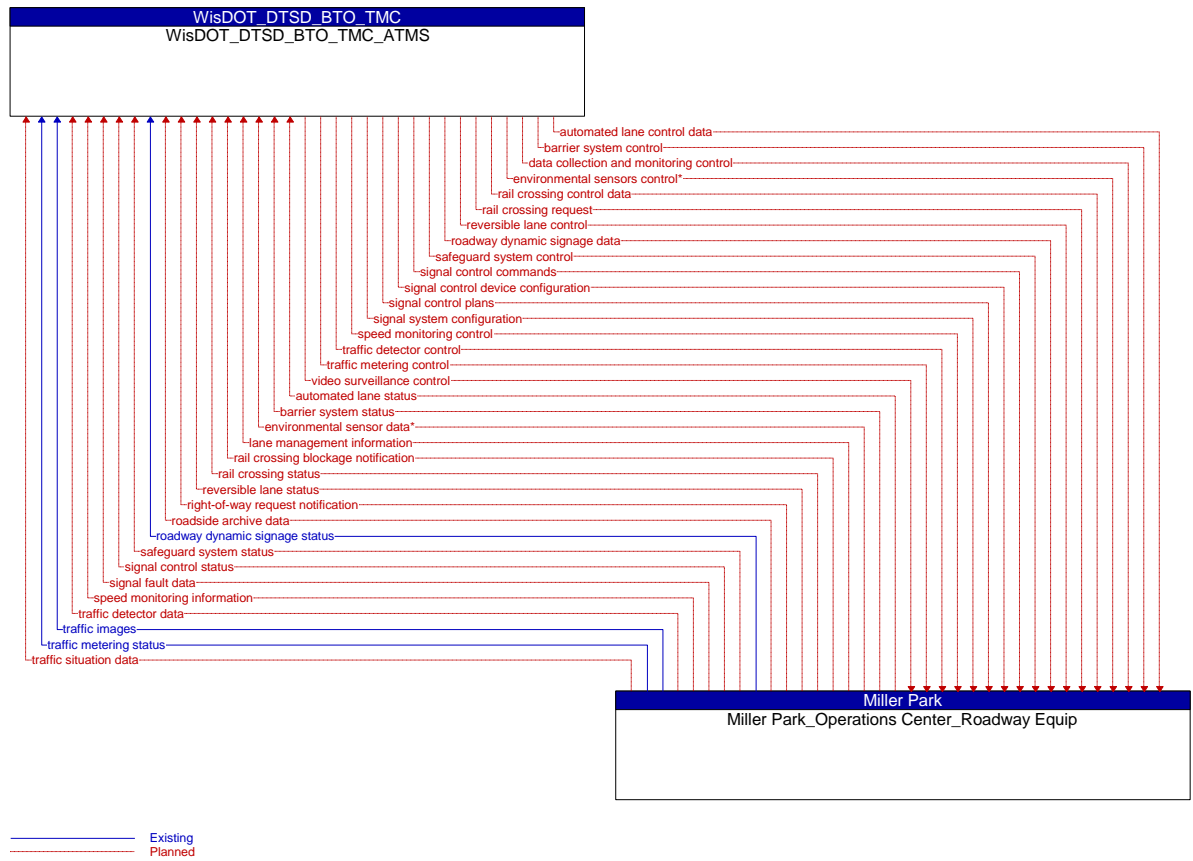


Figure 283: Miller Park_Operations Center_Roadway Equip - WisDOT_DTSD_BTO_TMC_ATMS Interface

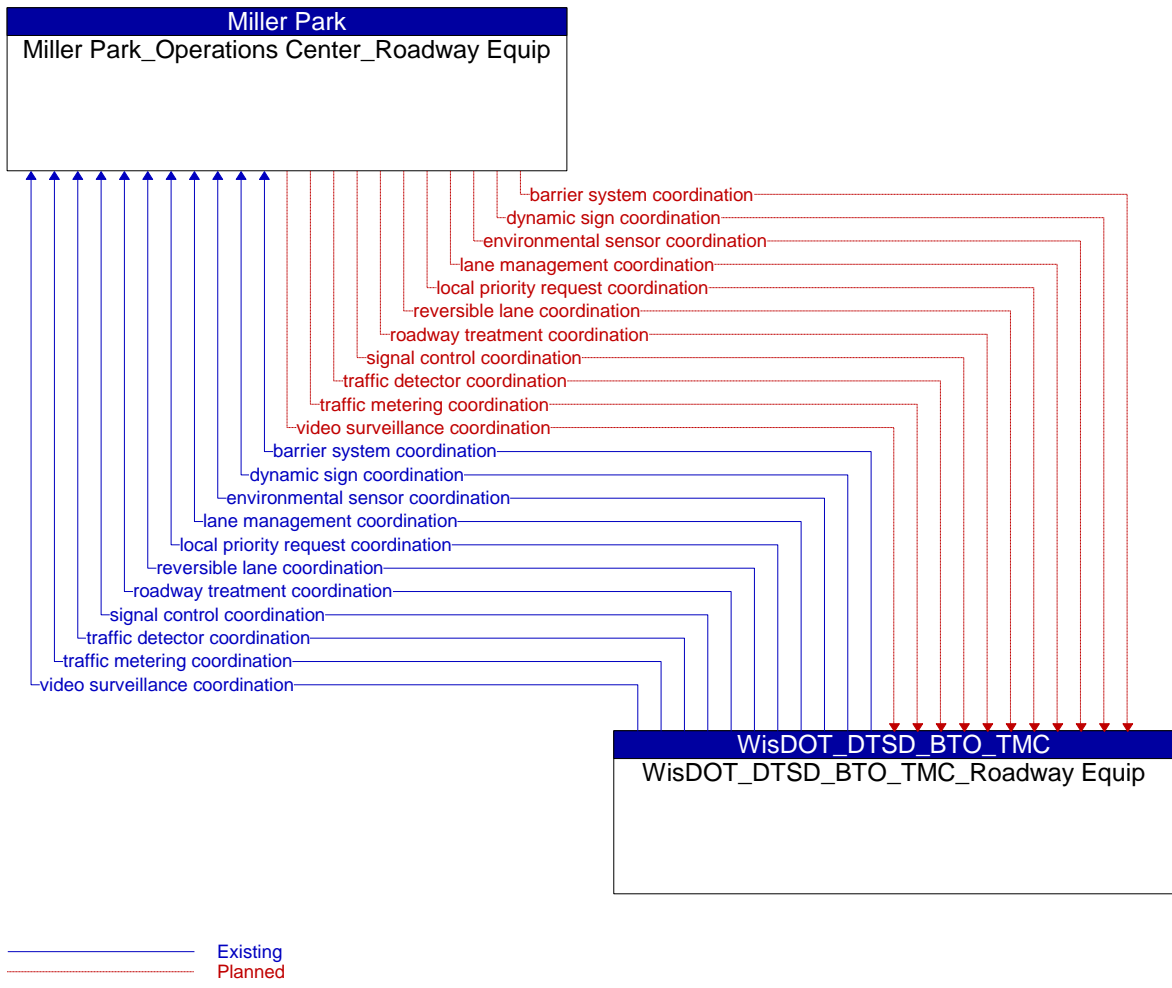


Figure 284: Miller Park_Operations Center_Roadway Equip - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

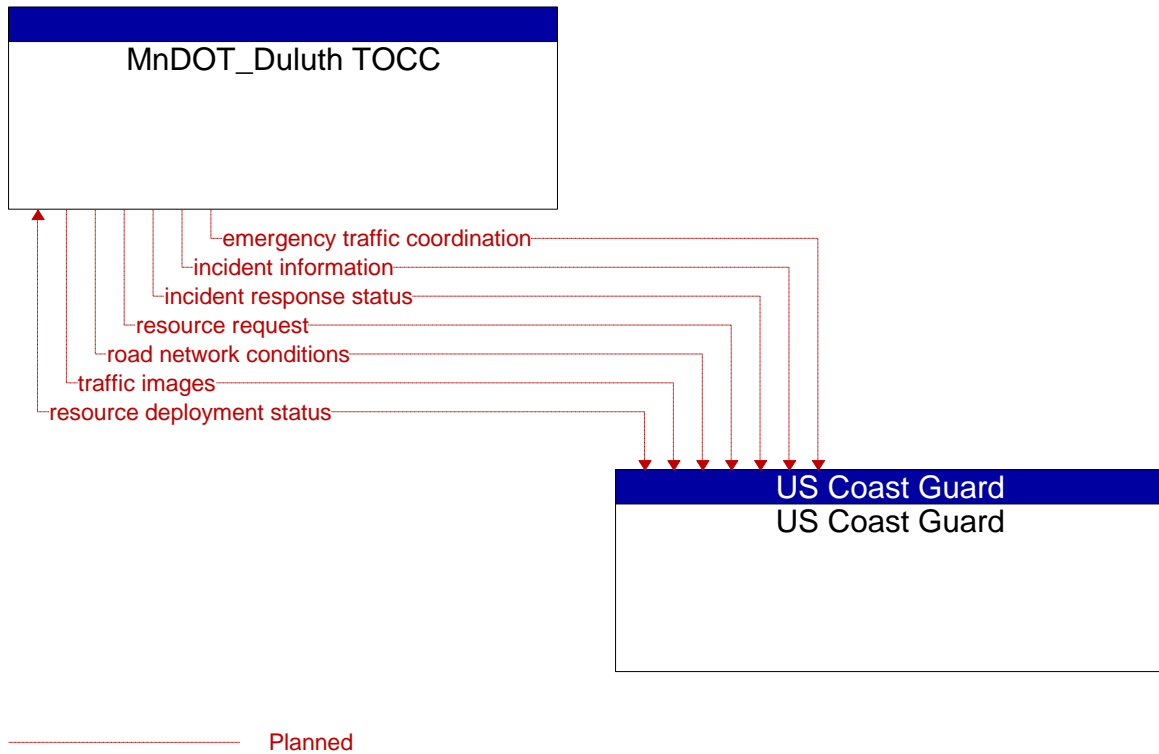


Figure 285: MnDOT_Duluth TOCC - US Coast Guard Interface

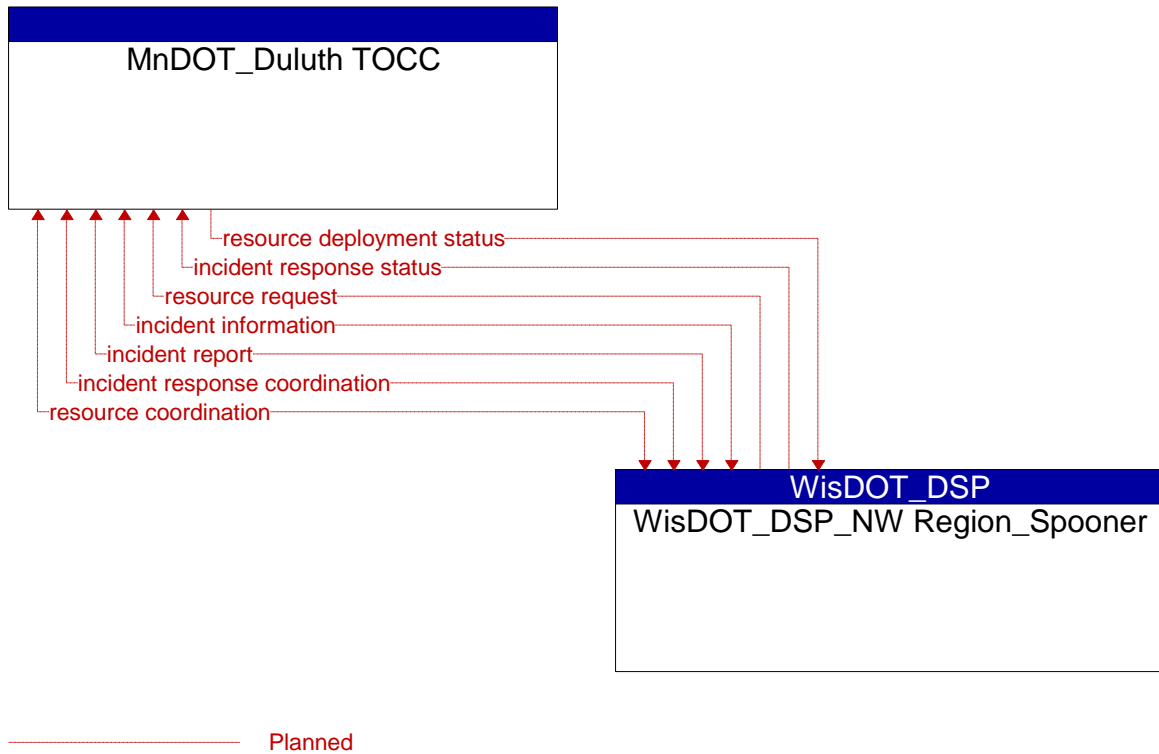


Figure 286: MnDOT_Duluth TOCC - WisDOT_DSP_NW Region_Spooner Interface

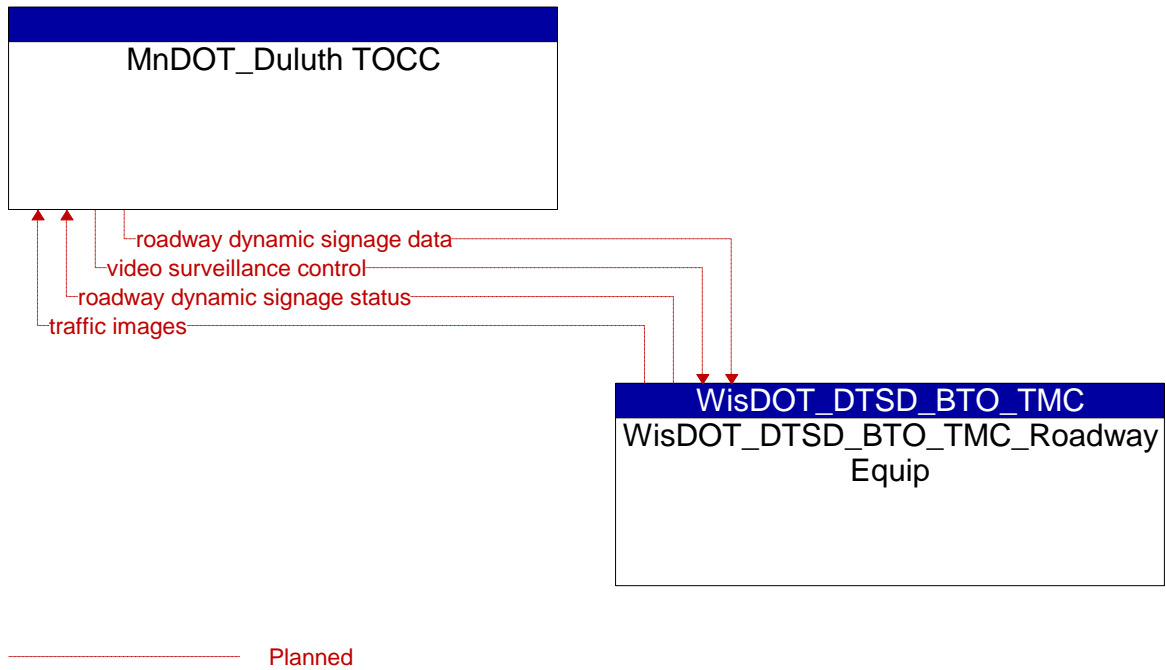


Figure 287: MnDOT_Duluth TOCC - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

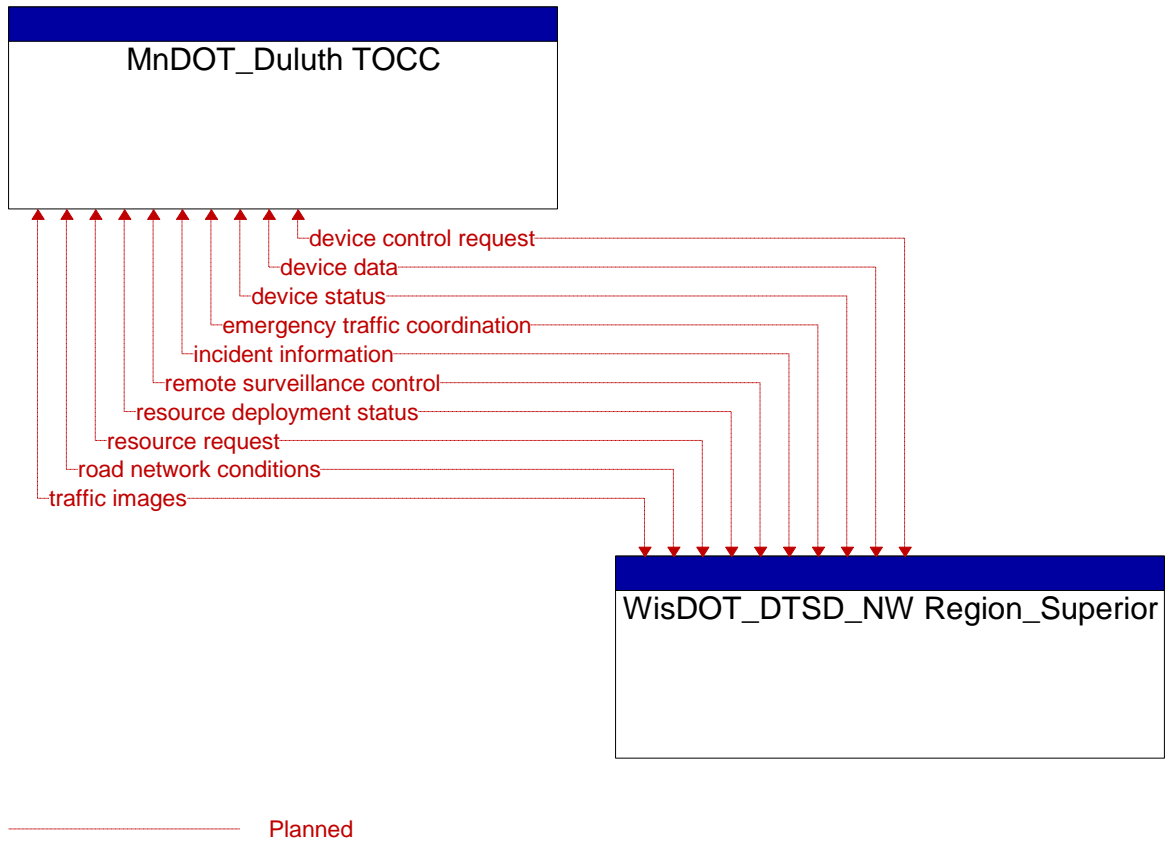


Figure 288: MnDOT_Duluth TOCC - WisDOT_DTSD_NW Region_Superior Interface

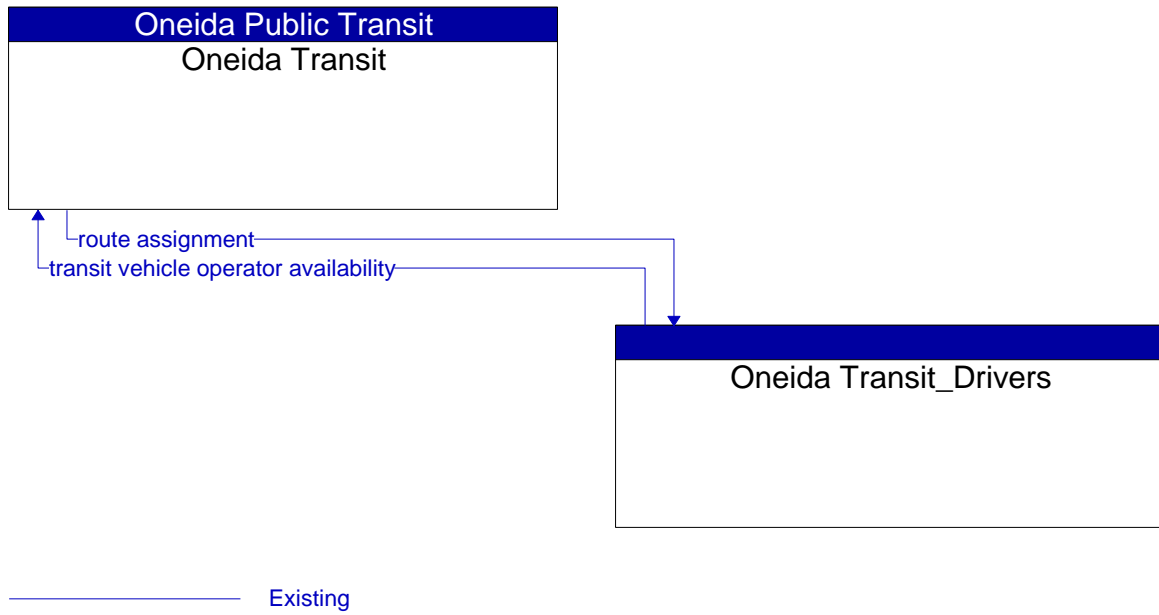


Figure 289: Oneida Transit - Oneida Transit_Drivers Interface

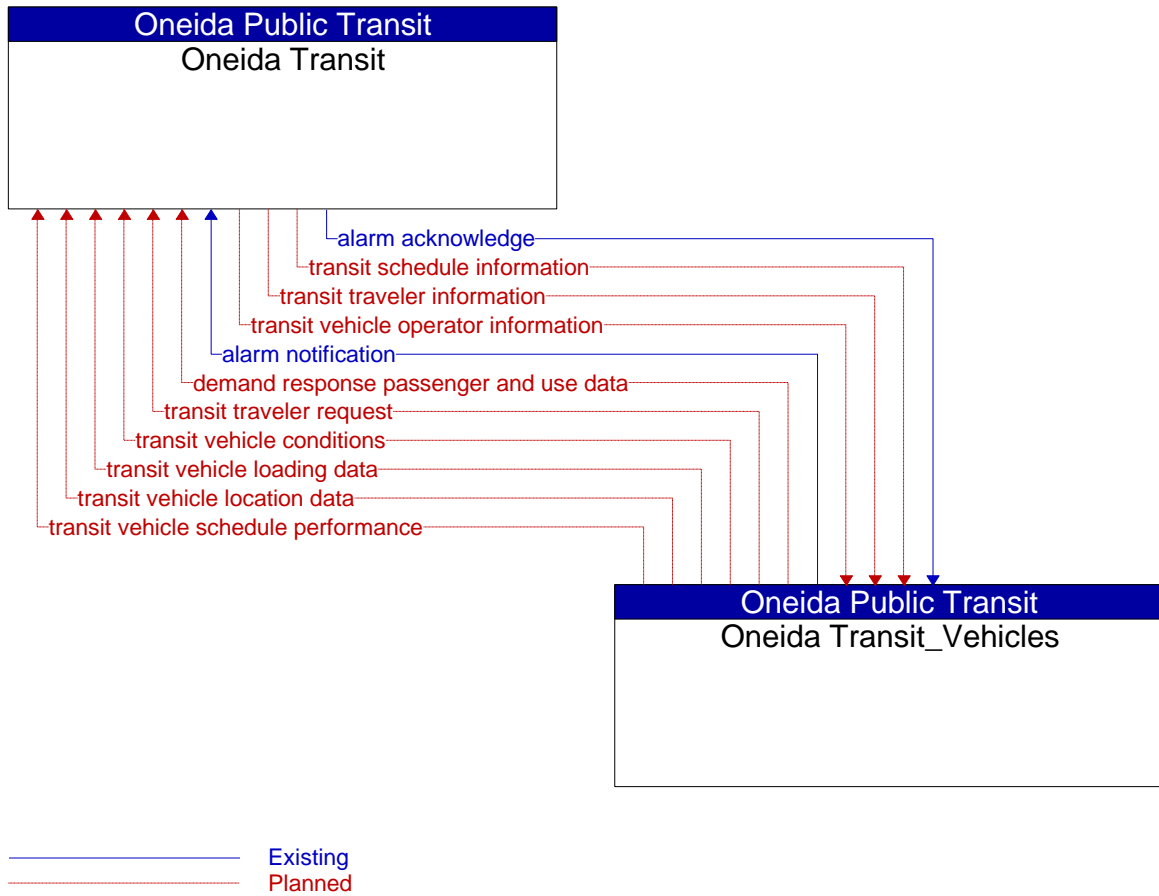


Figure 290: Oneida Transit - Oneida Transit_Vehicles Interface

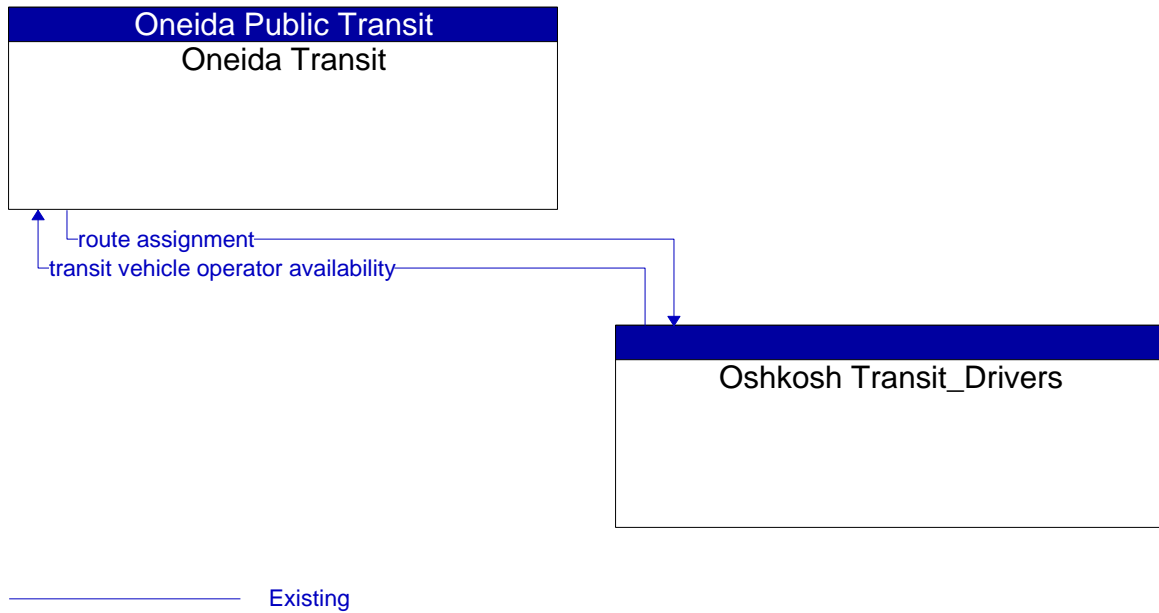


Figure 291: Oneida Transit - Oshkosh Transit_Drivers Interface

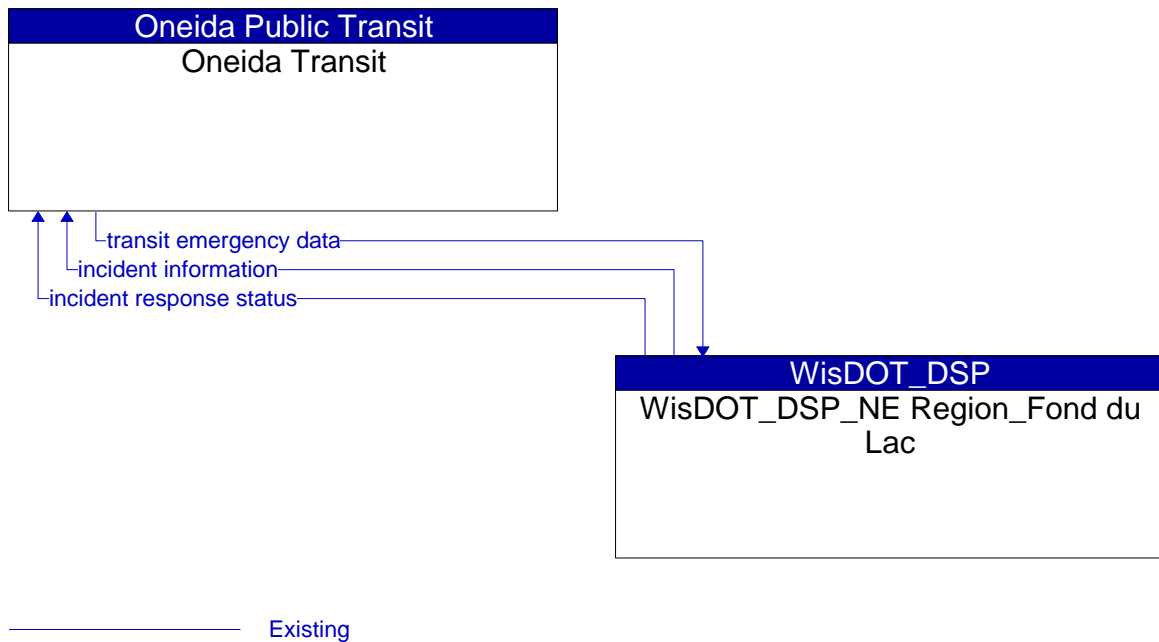


Figure 292: Oneida Transit - WisDOT_DSP_NE Region_Fond du Lac Interface

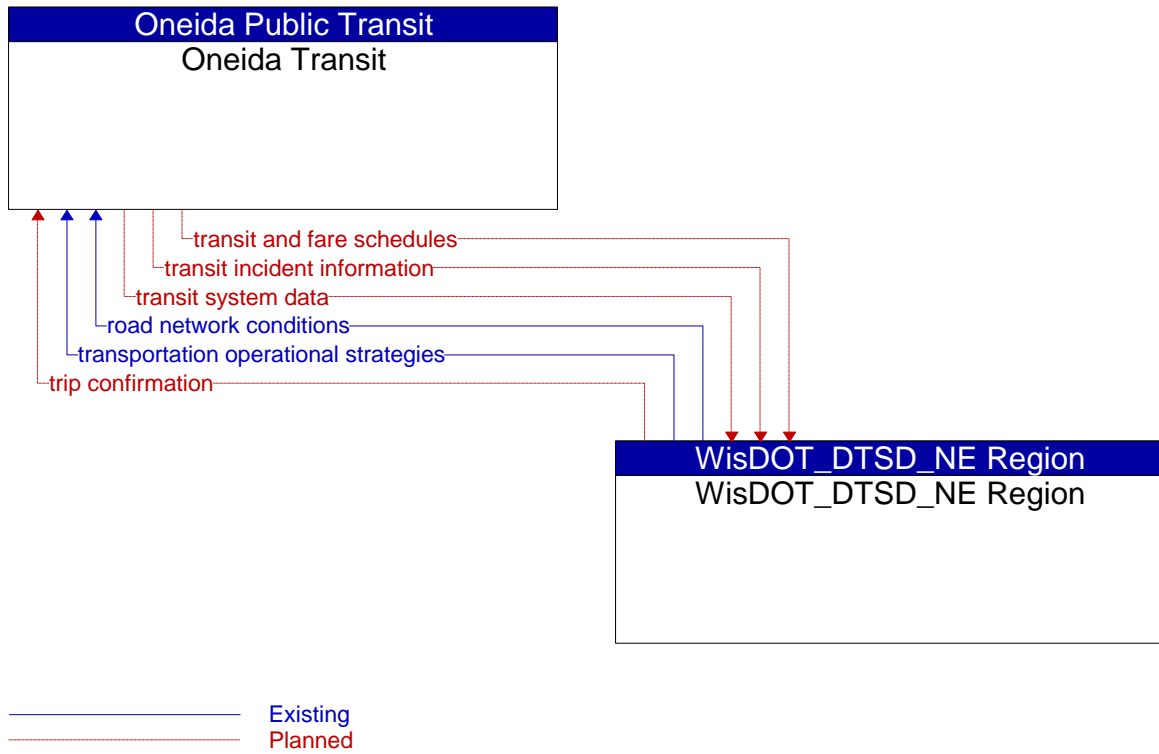


Figure 293: Oneida Transit - WisDOT_DTSD_NE Region Interface

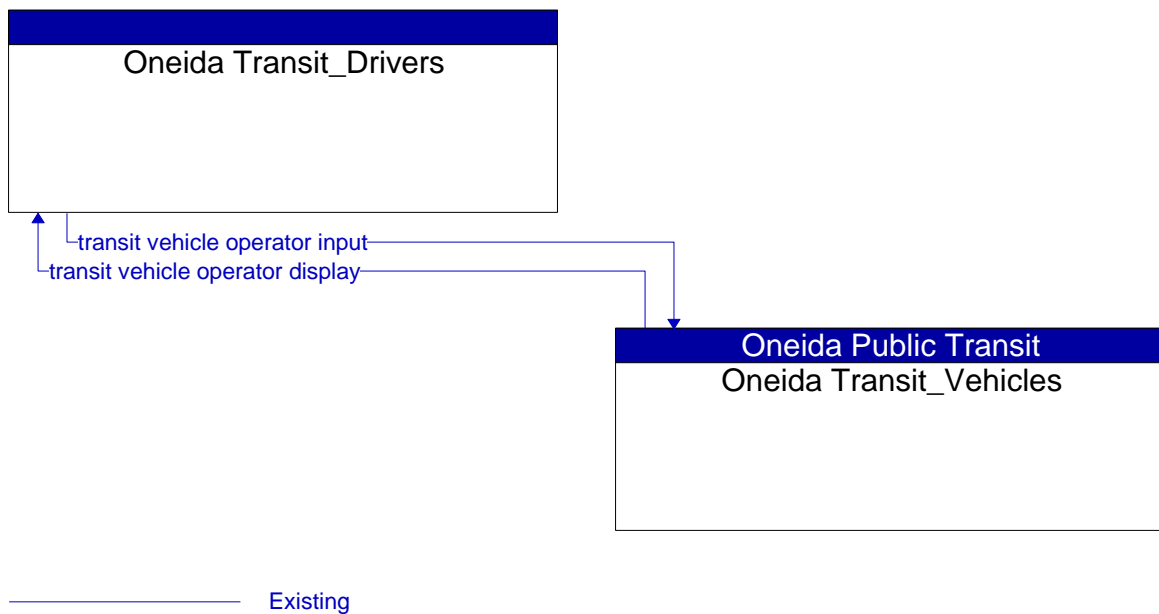


Figure 294: Oneida Transit_Drivers - Oneida Transit_Vehicles Interface

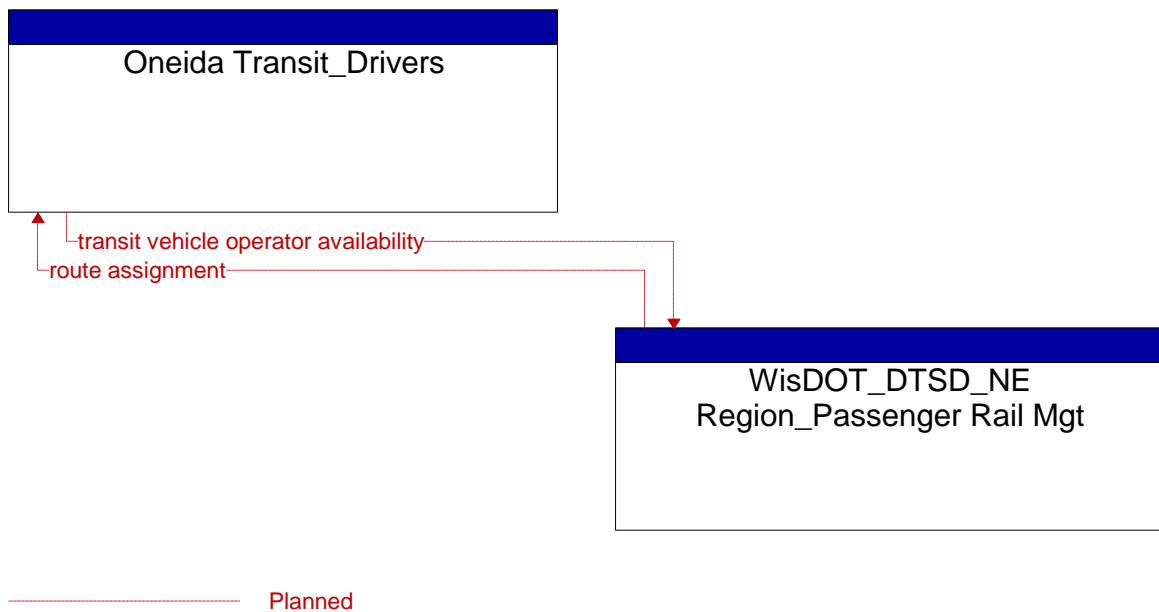


Figure 295: Oneida Transit_Drivers - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface

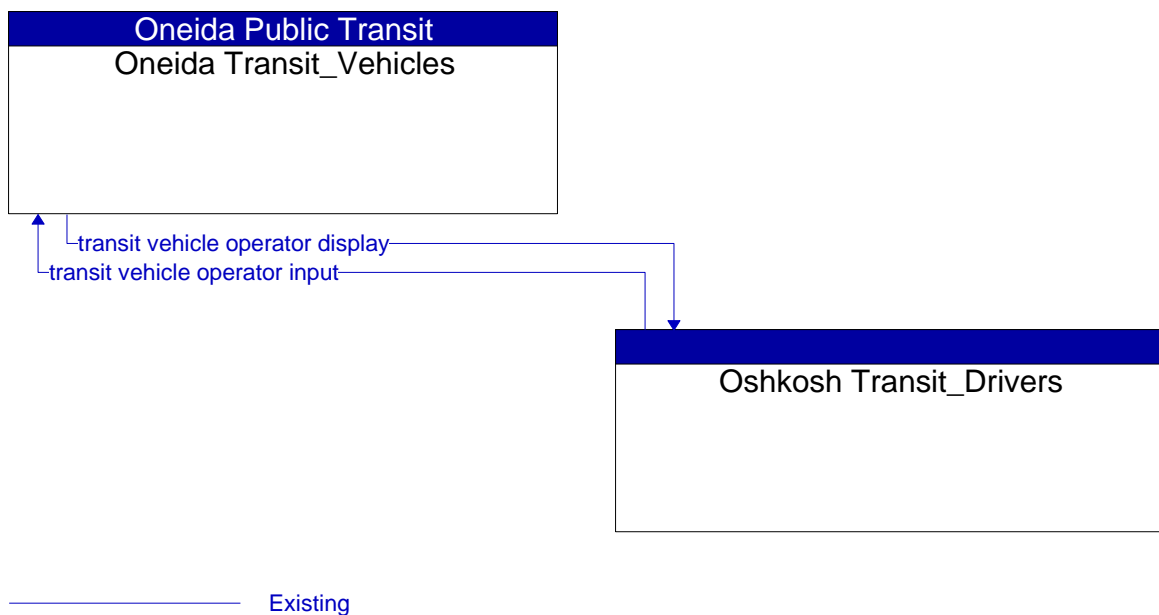


Figure 296: Oneida Transit_Vehicles - Oshkosh Transit_Drivers Interface

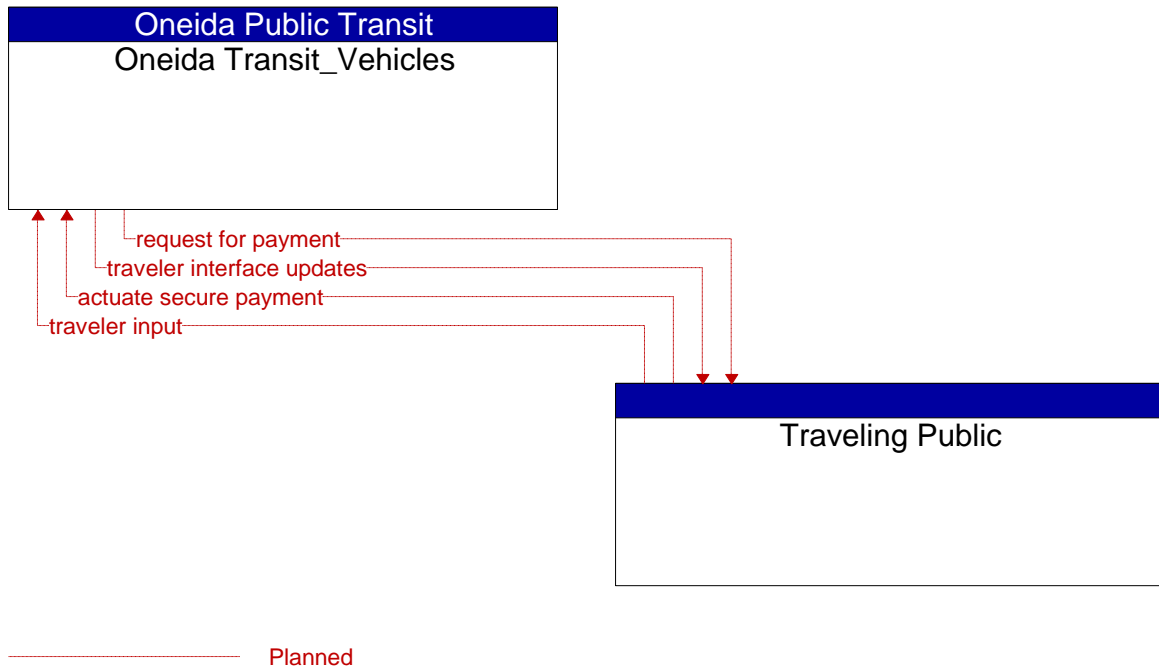


Figure 297: Oneida Transit_Vehicles - Traveling Public Interface

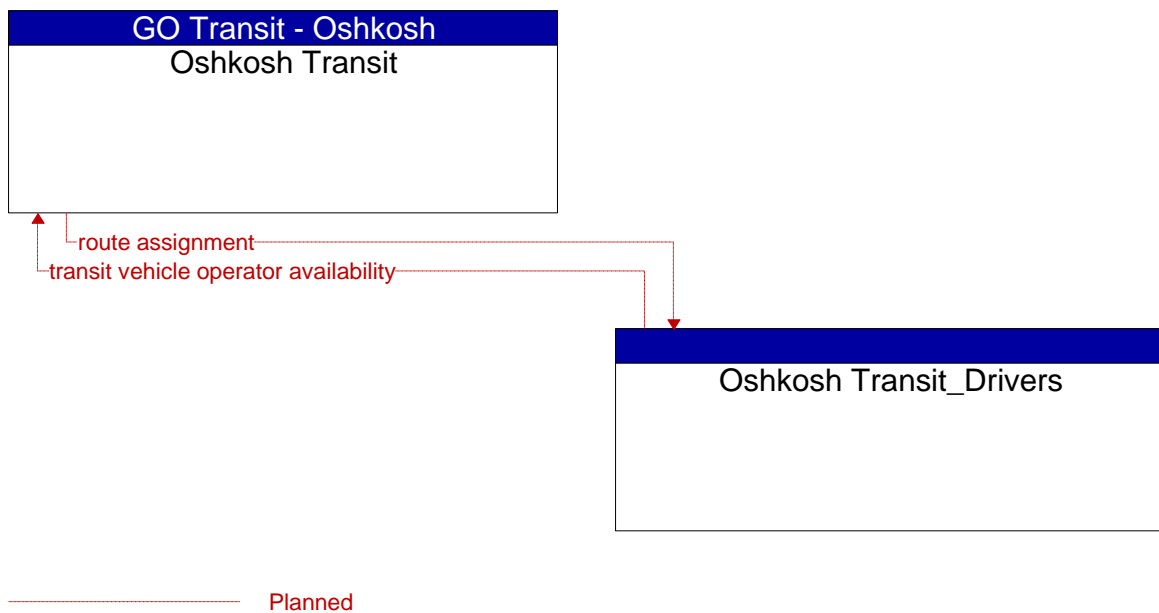


Figure 298: Oshkosh Transit - Oshkosh Transit_Drivers Interface

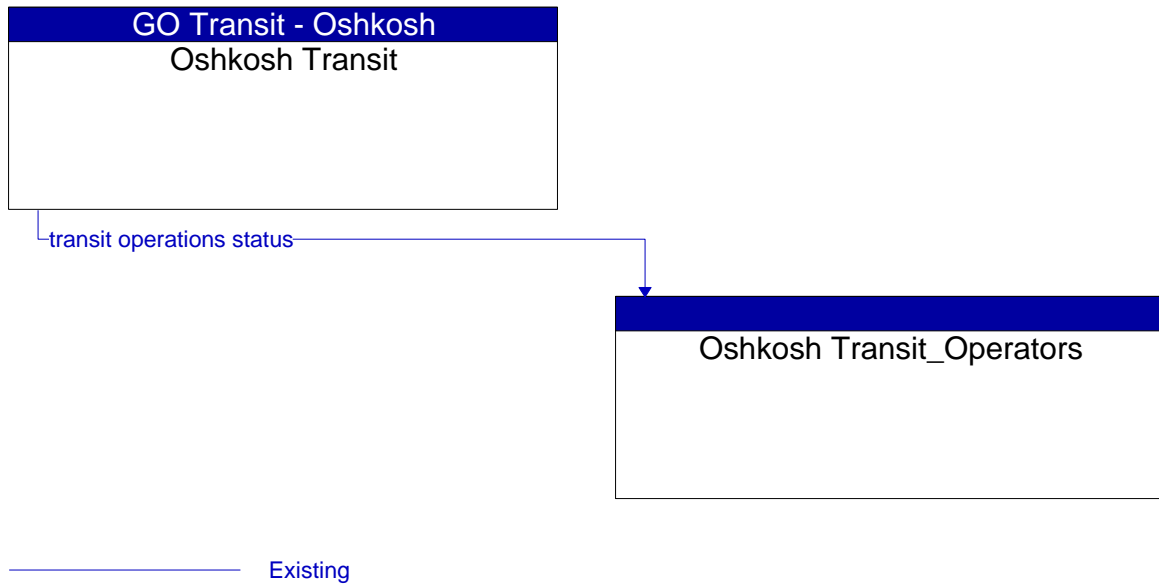


Figure 299: Oshkosh Transit - Oshkosh Transit_Operators Interface

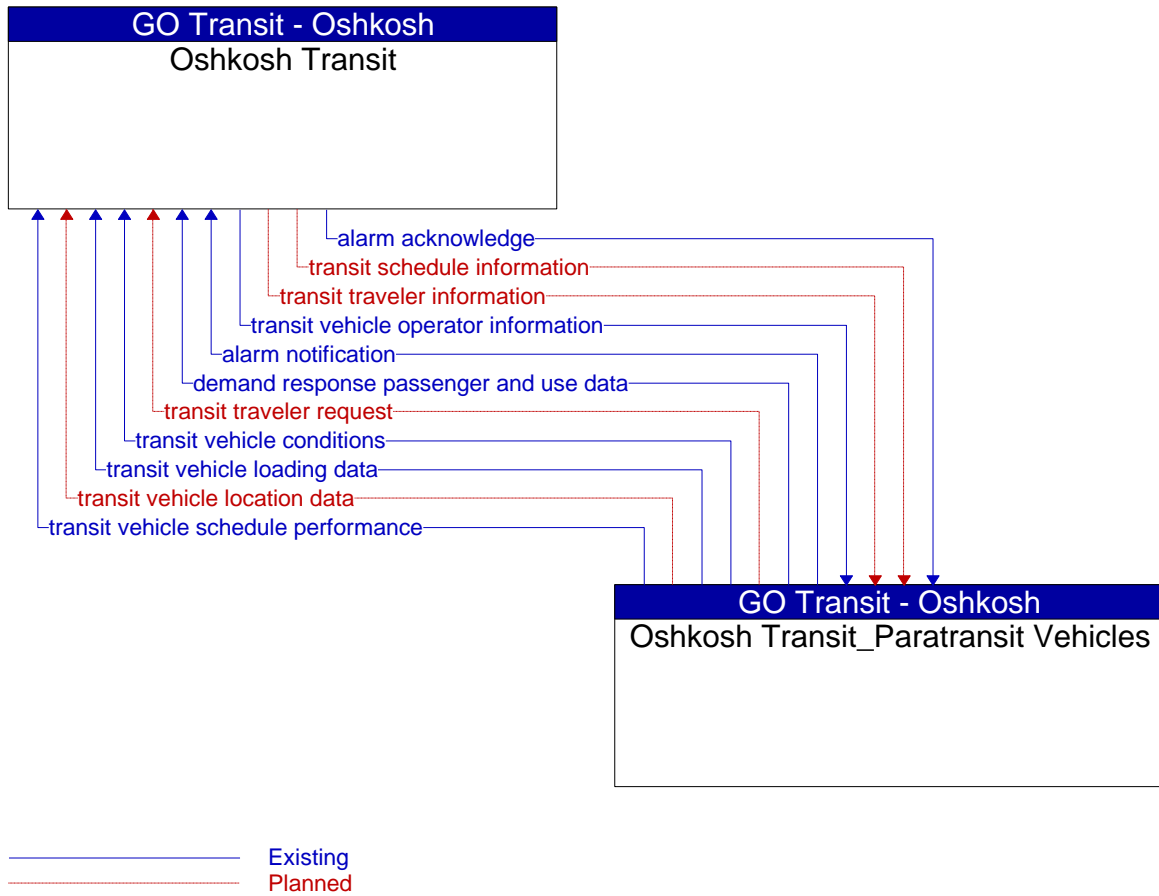


Figure 300: Oshkosh Transit - Oshkosh Transit_Partransit Vehicles Interface

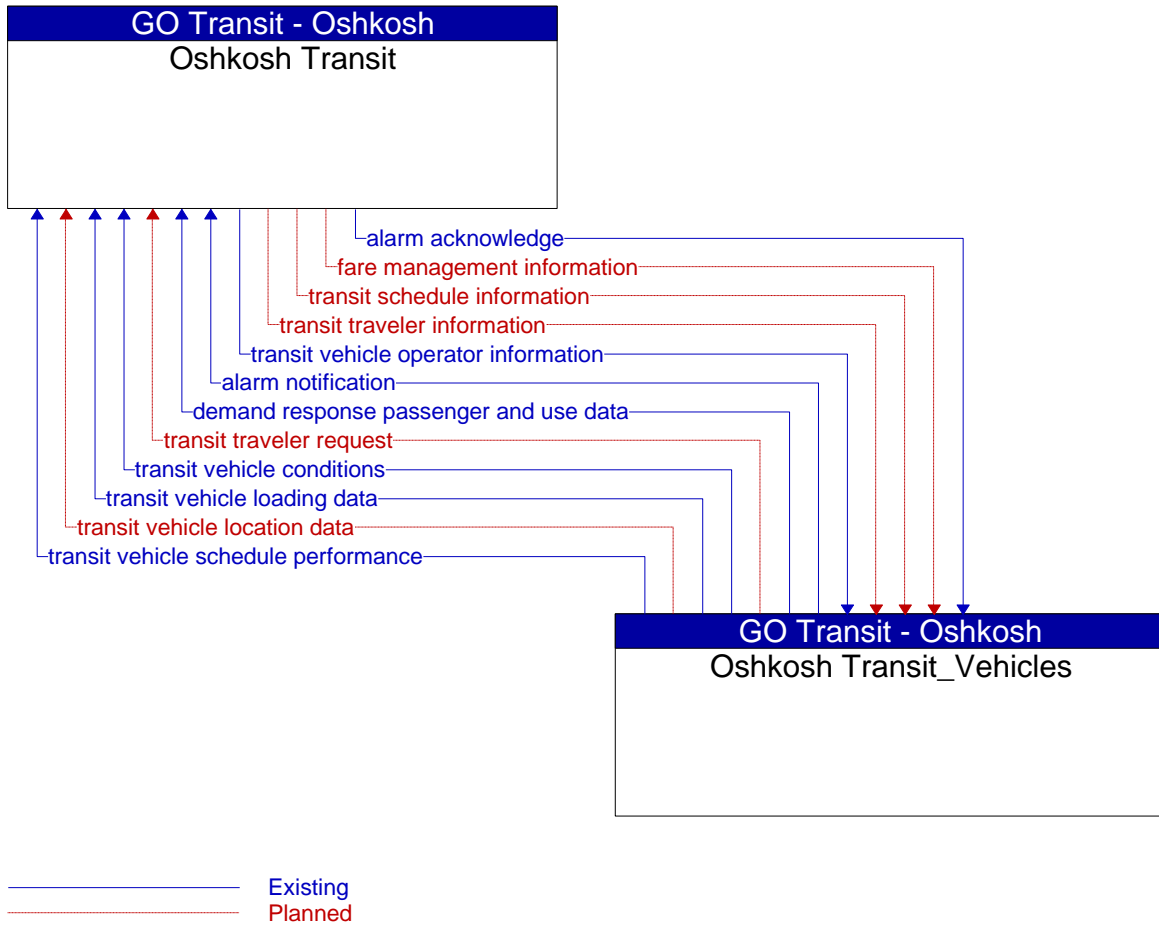


Figure 301: Oshkosh Transit - Oshkosh Transit_Vehicles Interface

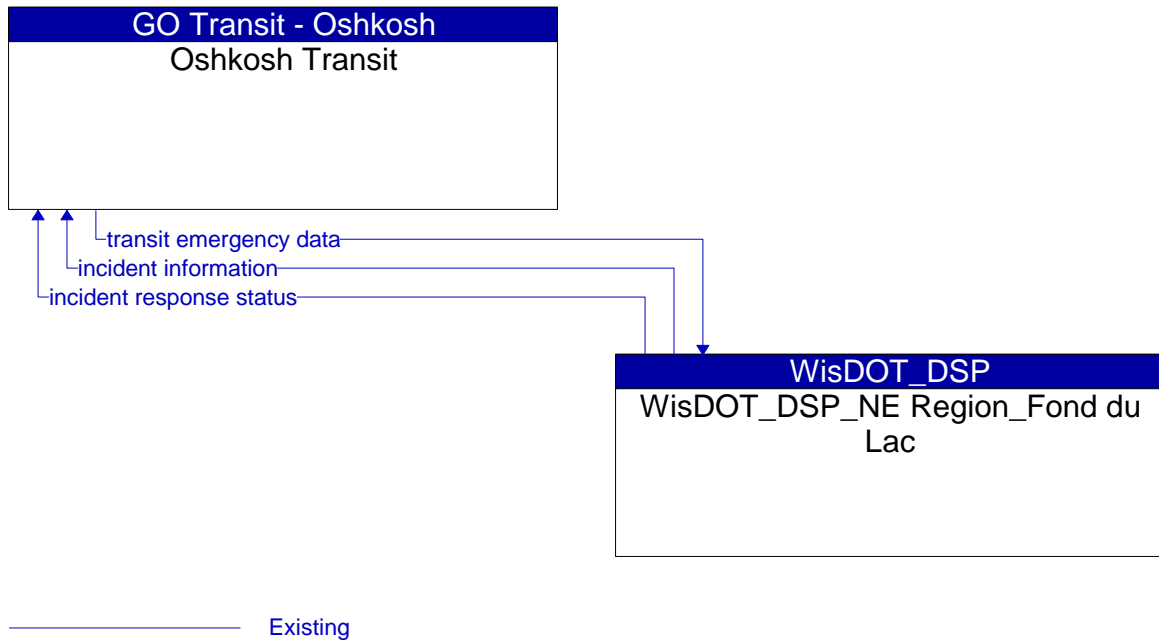


Figure 302: Oshkosh Transit - WisDOT_DSP_NE Region_Fond du Lac Interface

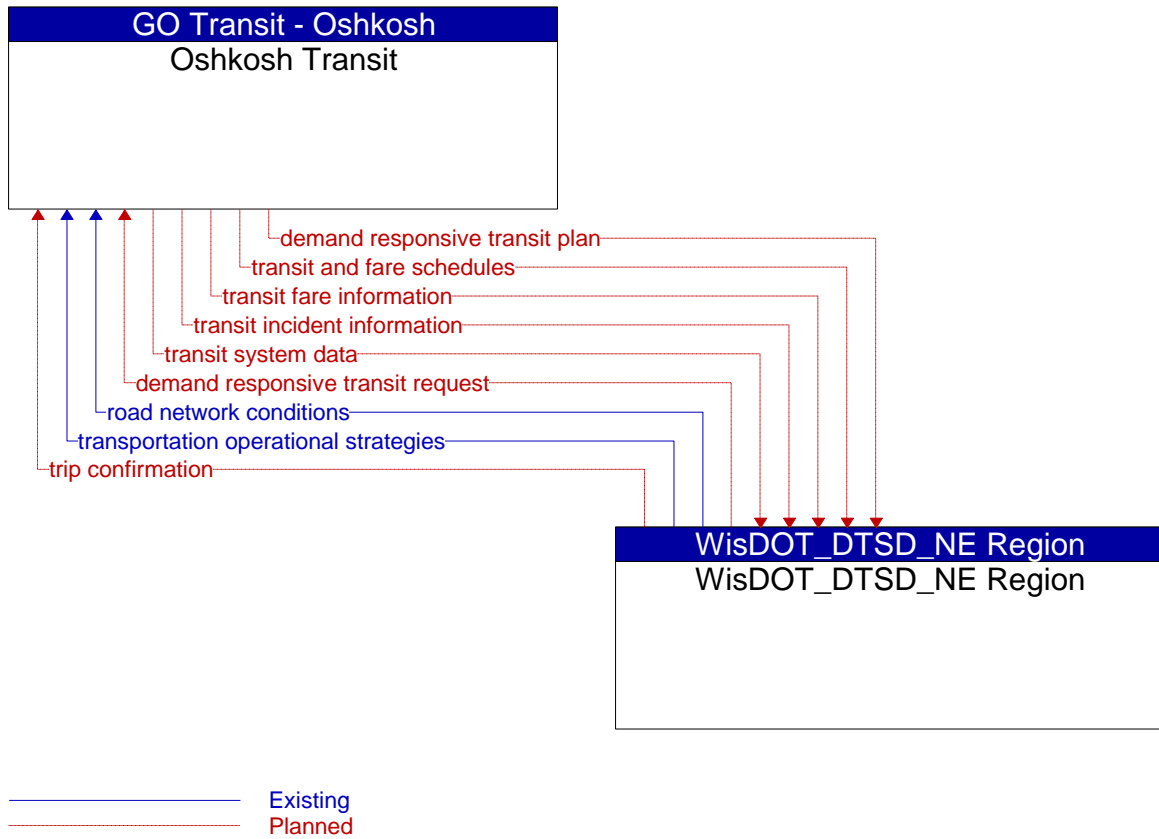


Figure 303: Oshkosh Transit - WisDOT_DTSD_NE Region Interface

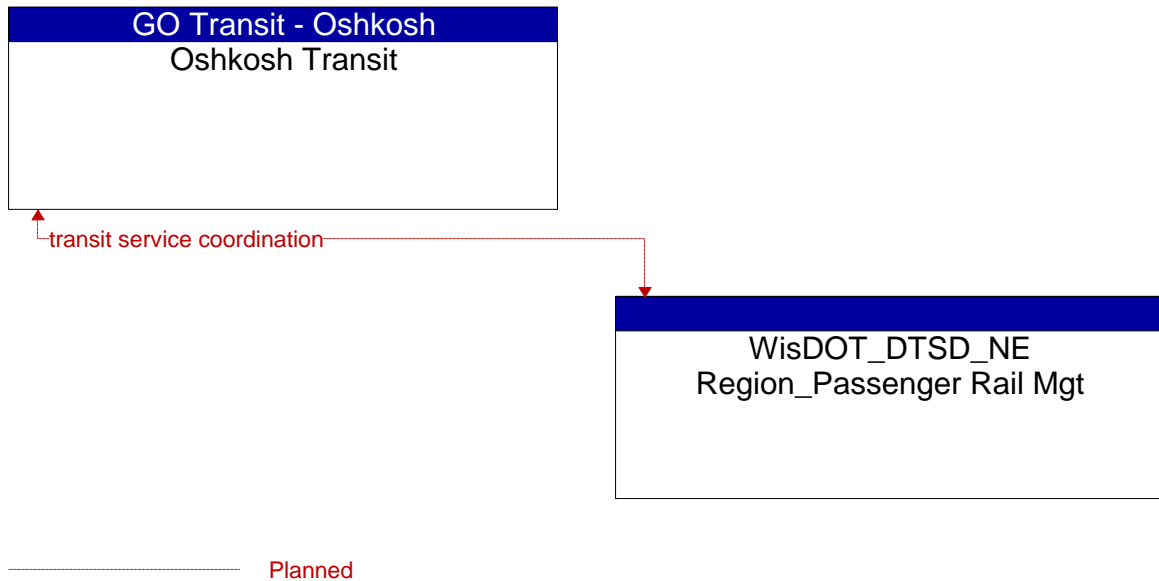


Figure 304: Oshkosh Transit - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface

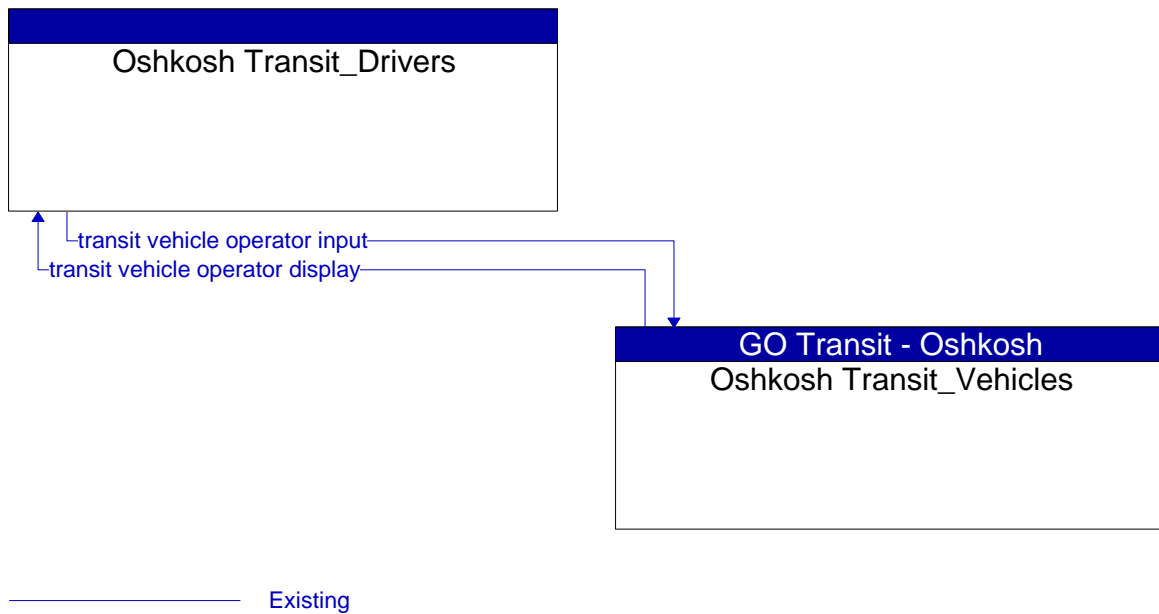


Figure 305: Oshkosh Transit_Drivers - Oshkosh Transit_Vehicles Interface

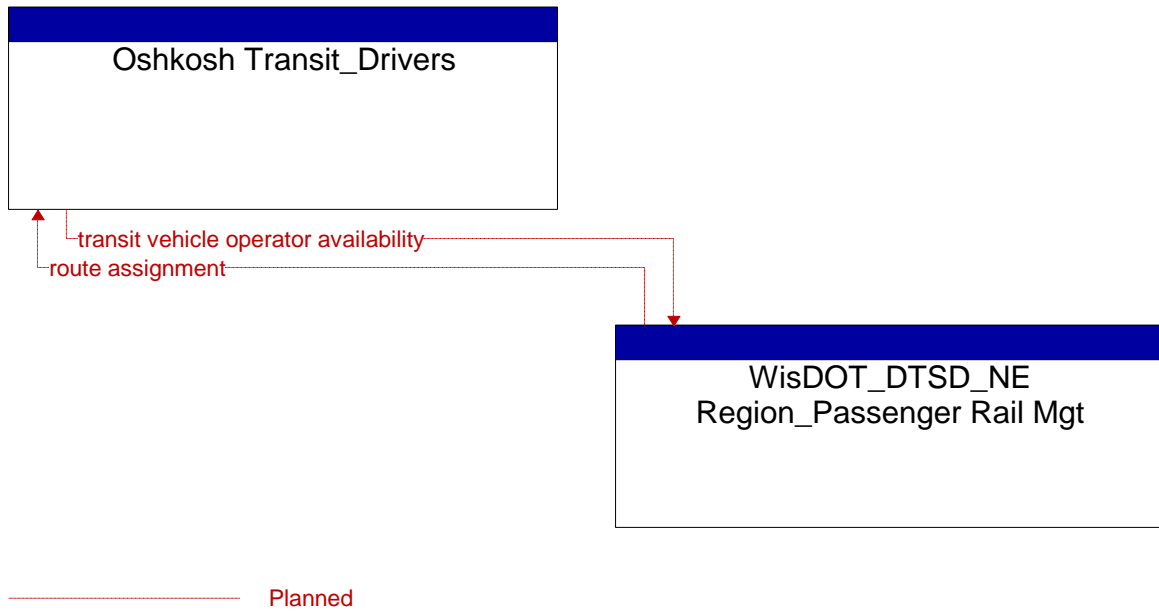


Figure 306: Oshkosh Transit_Drivers - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface

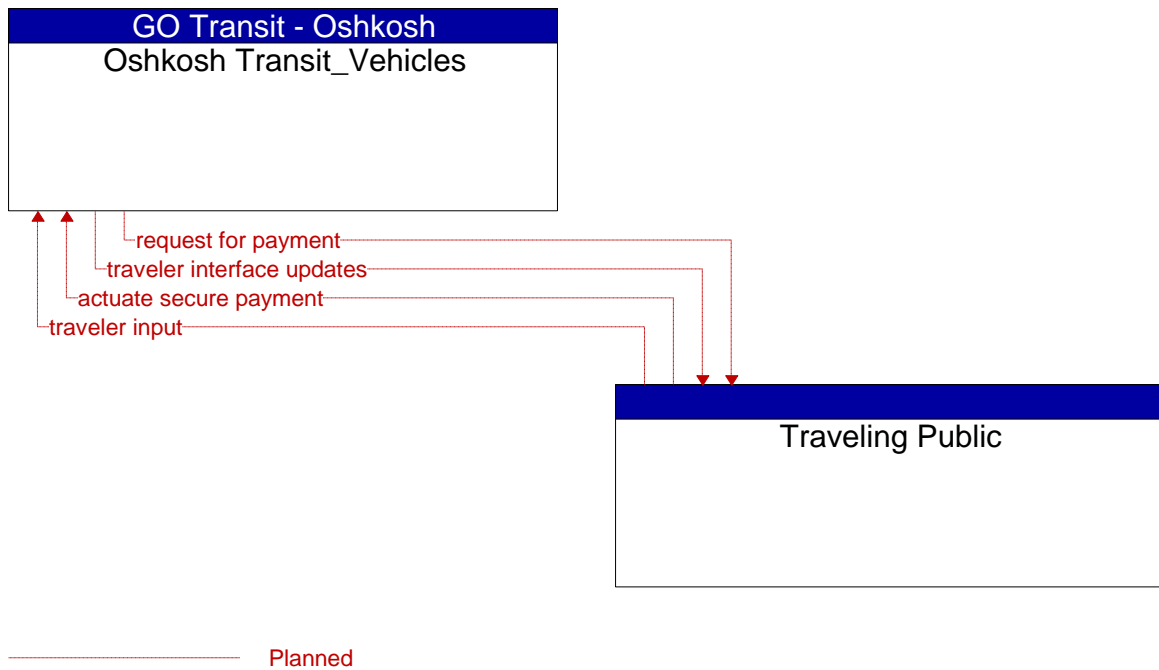
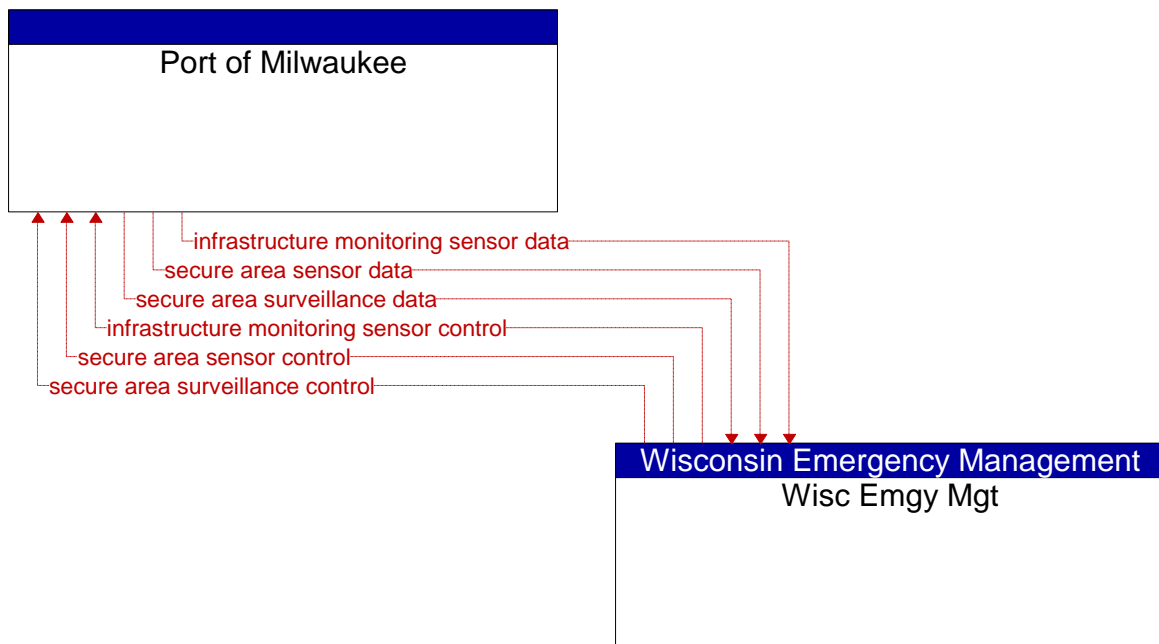


Figure 307: Oshkosh Transit_Vehicles - Traveling Public Interface



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Figure 308: Port of Milwaukee - Wisc Emgy Mgt Interface

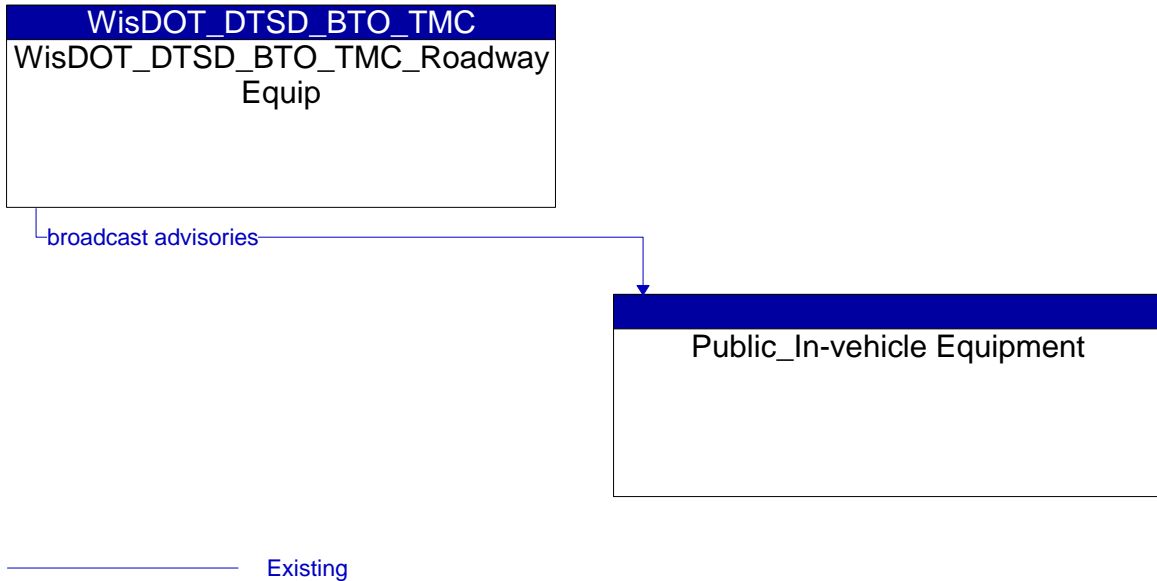


Figure 309: Public_In-vehicle Equipment - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

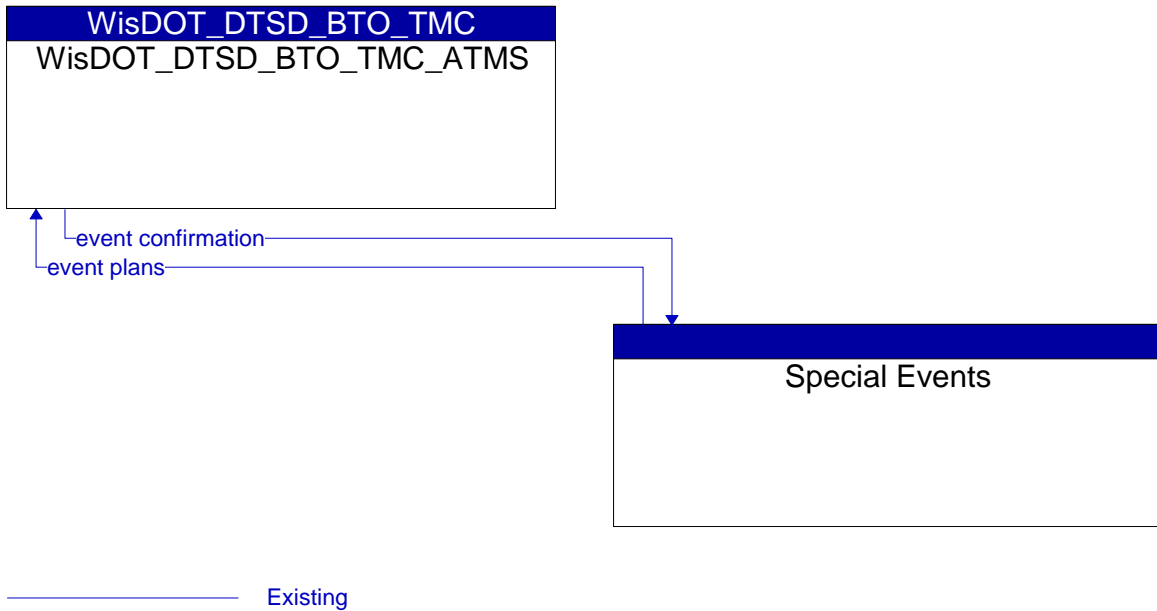


Figure 310: Special Events - WisDOT_DTSD_BTO_TMC_ATMS Interface

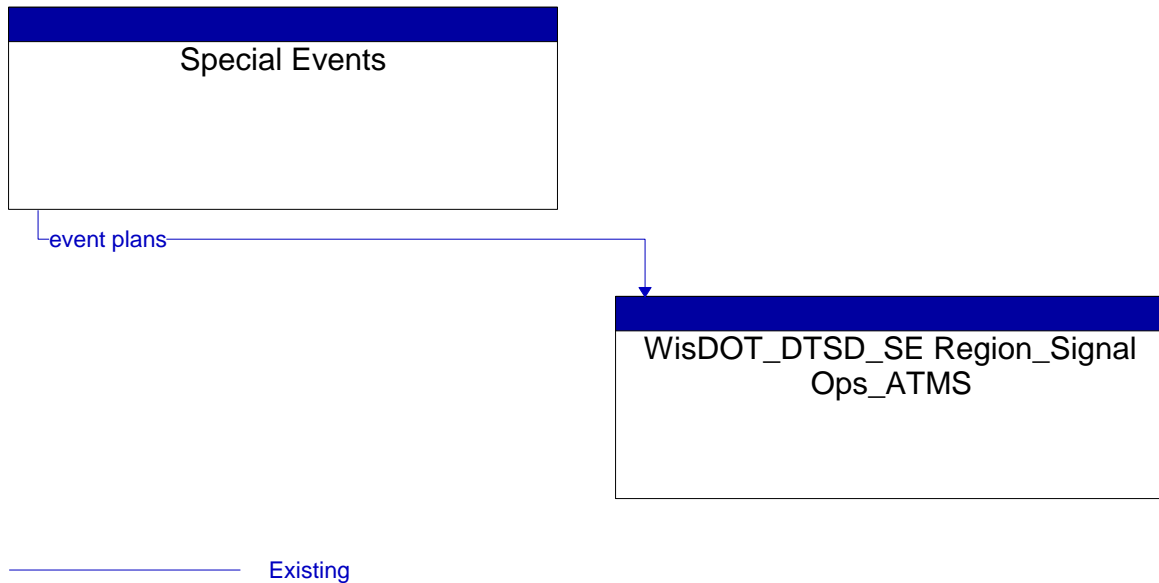


Figure 311: Special Events - WisDOT_DTSD_SE Region_Signal Ops_ATMS Interface

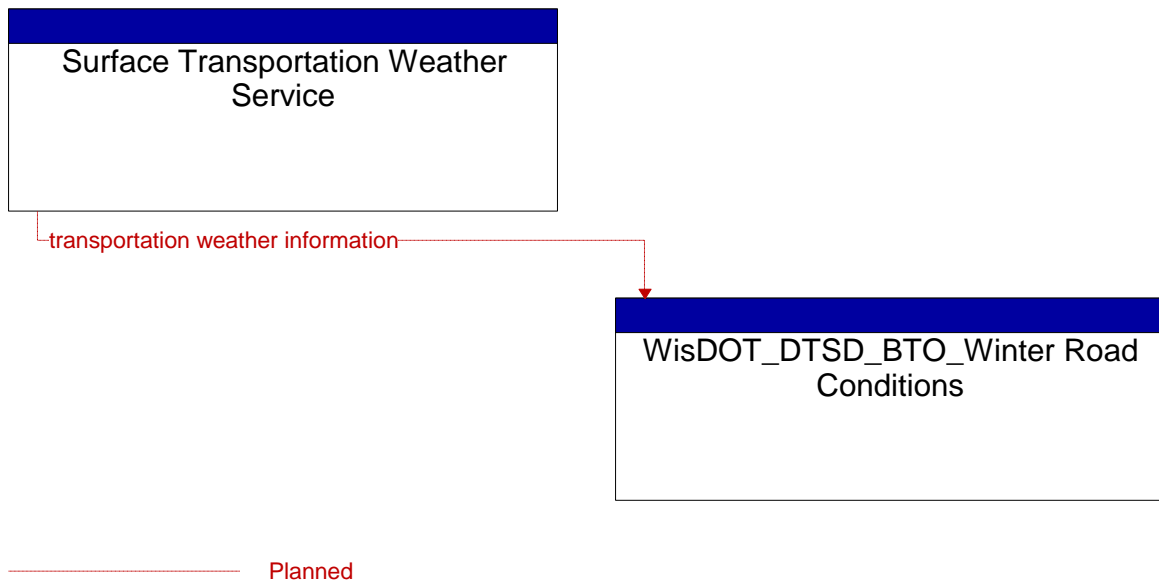


Figure 312: Surface Transportation Weather Service - WisDOT_DTSD_BTO_Winter Road Conditions Interface

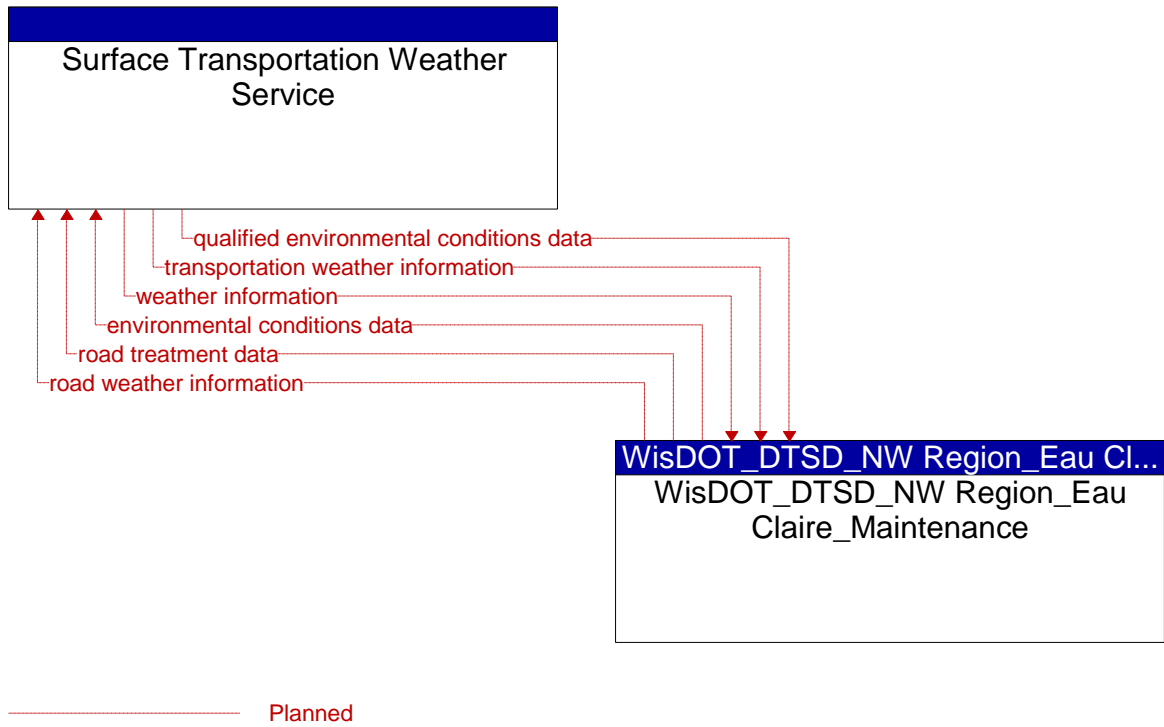


Figure 313: Surface Transportation Weather Service - WisDOT_DTSD_NW Region_Eau Claire_Maintenance Interface

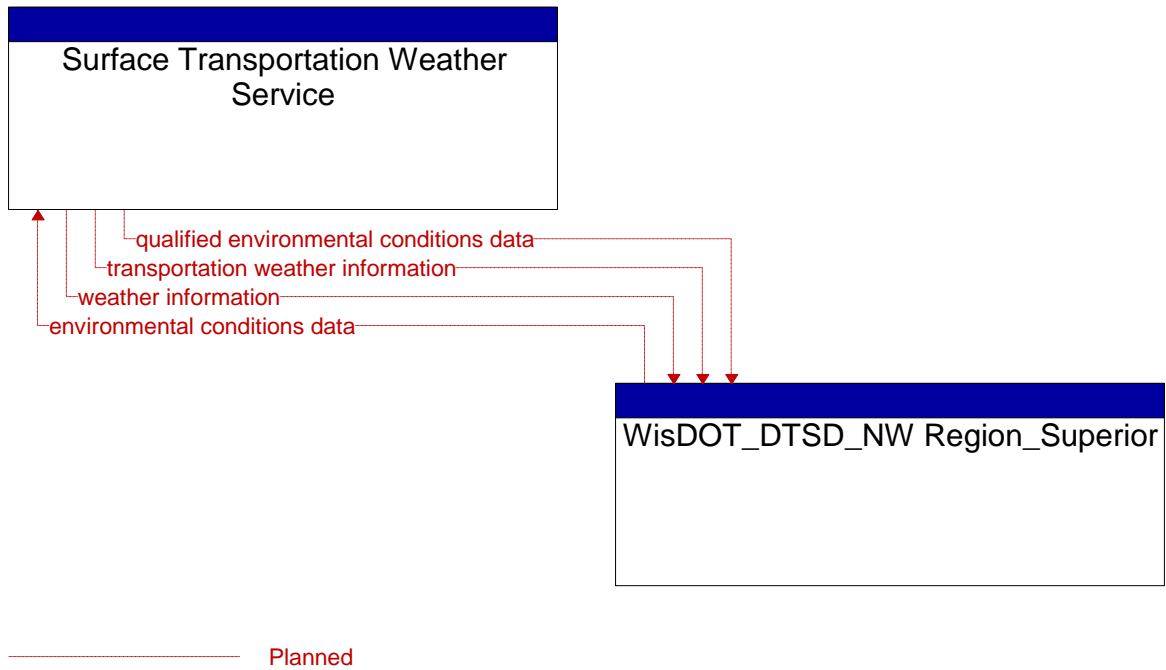


Figure 314: Surface Transportation Weather Service - WisDOT_DTSD_NW Region_Superior Interface

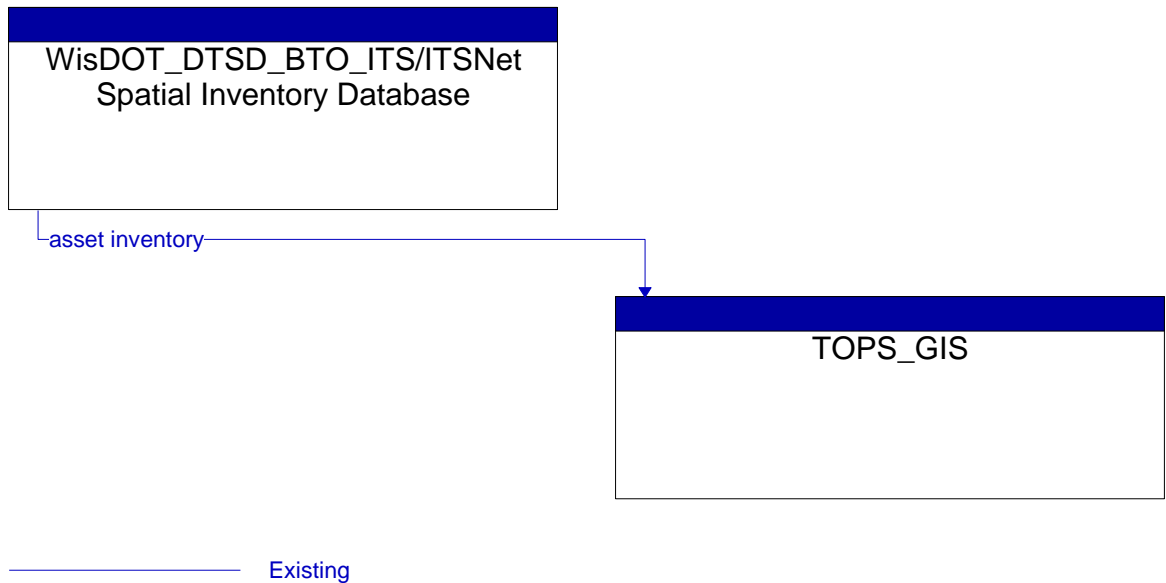


Figure 315: TOPS_GIS - WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database Interface

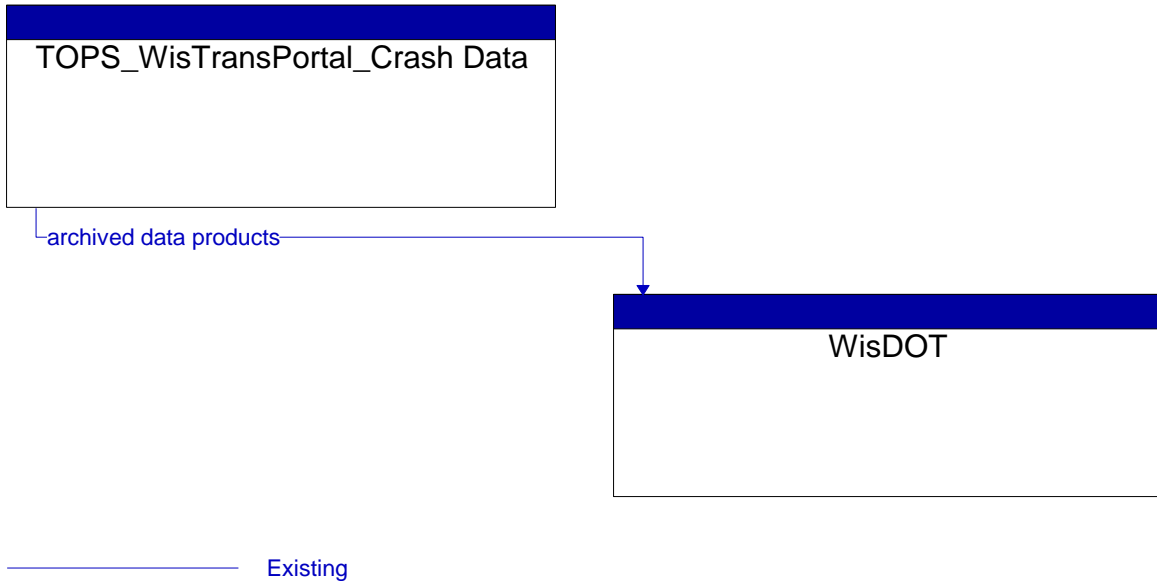


Figure 316: TOPS_WisTransPortal_Crash Data - WisDOT Interface

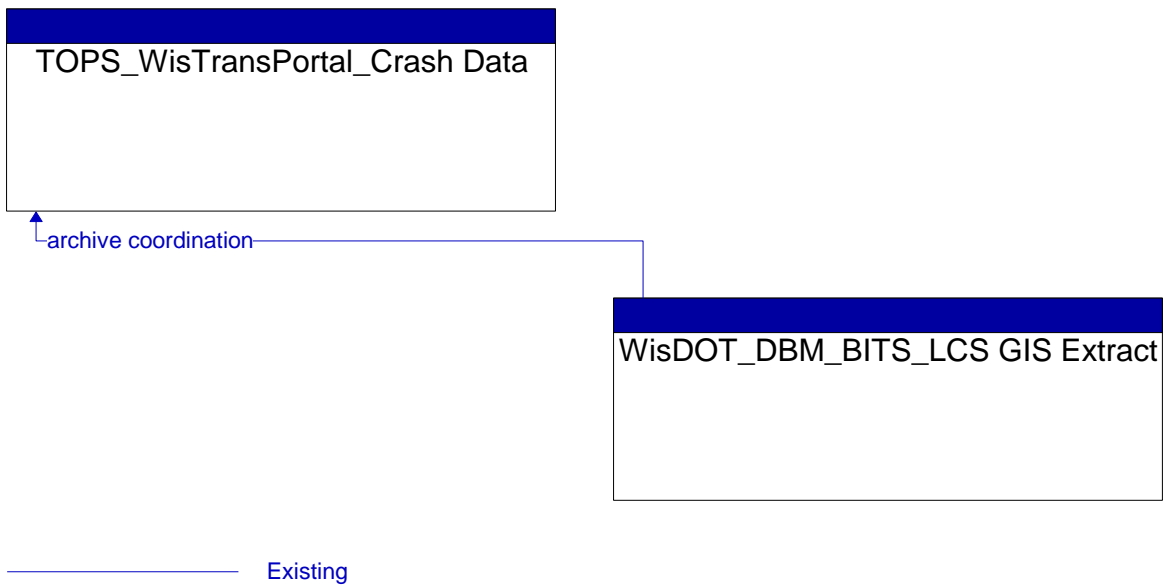


Figure 317: TOPS_WisTransPortal_Crash Data - WisDOT_DBM_BITS_LCS GIS Extract Interface

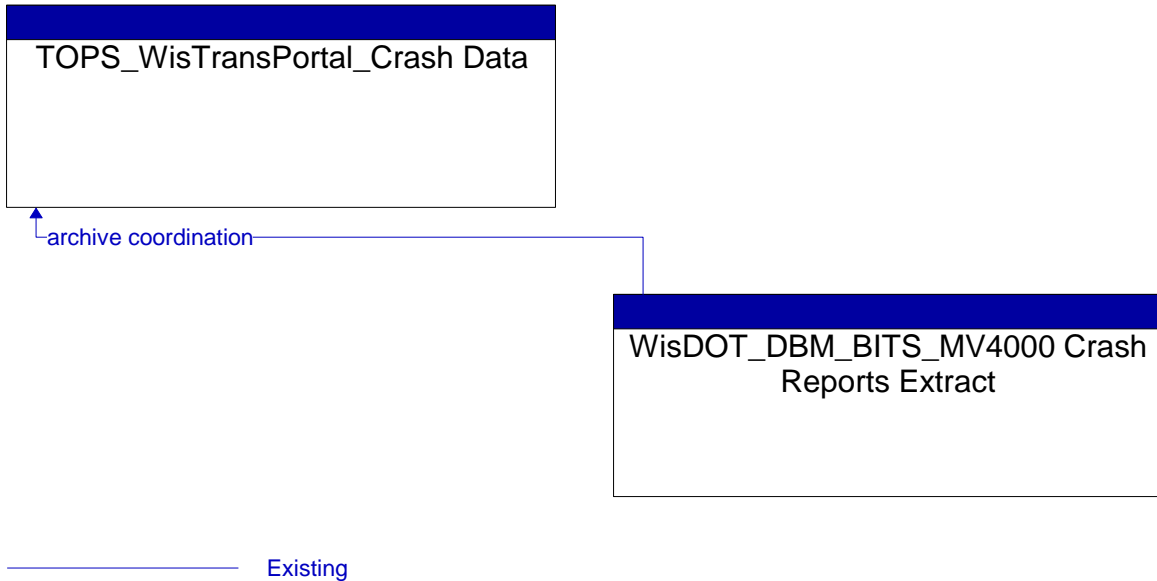


Figure 318: TOPS_WisTransPortal_Crash Data - WisDOT_DBM_BITS_MV4000 Crash Reports Extract Interface

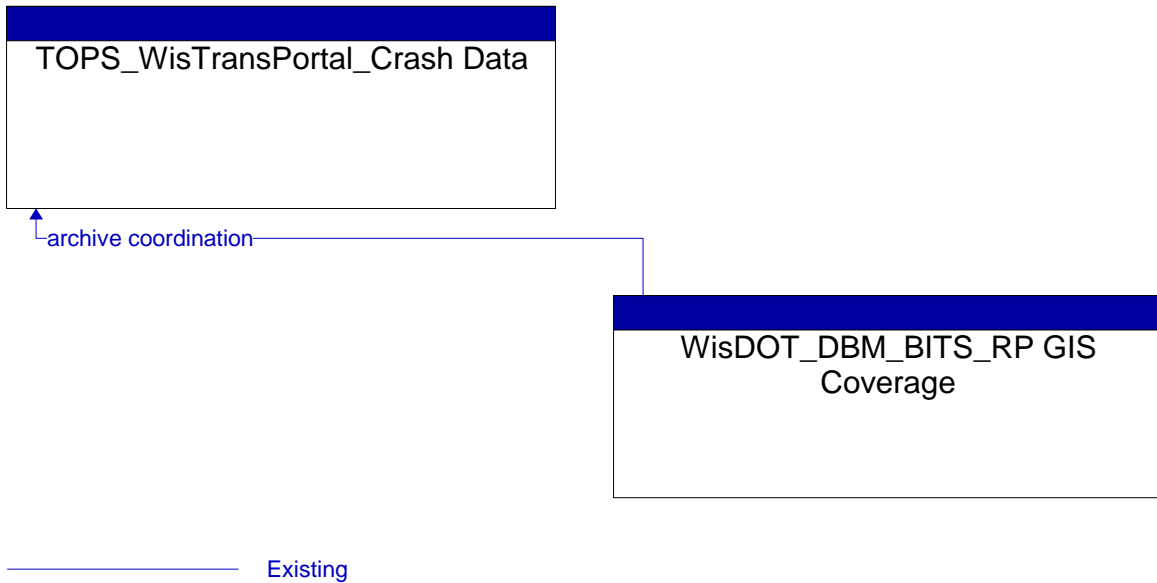


Figure 319: TOPS_WisTransPortal_Crash Data - WisDOT_DBM_BITS_RP GIS Coverage Interface

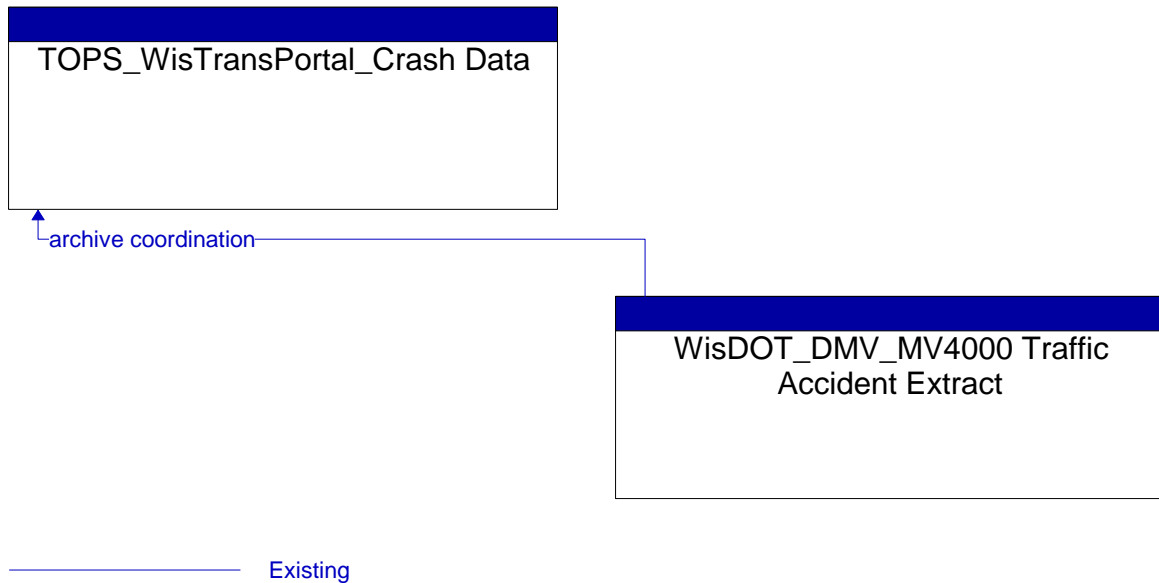


Figure 320: TOPS_WisTransPortal_Crash Data - WisDOT_DMV_MV4000 Traffic Accident Extract Interface

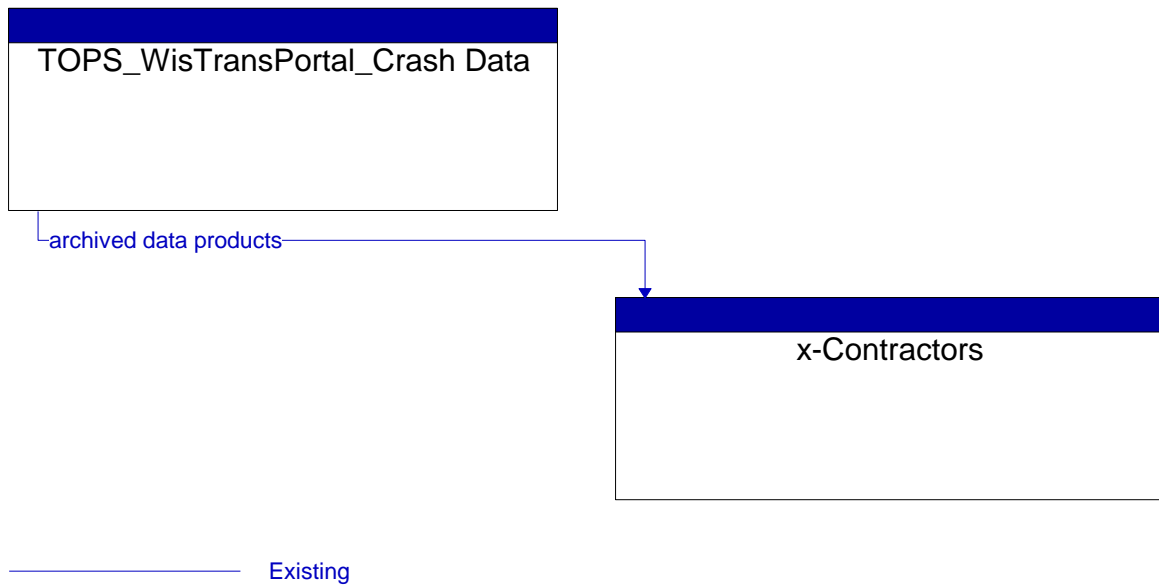


Figure 321: TOPS_WisTransPortal_Crash Data - x-Contractors Interface

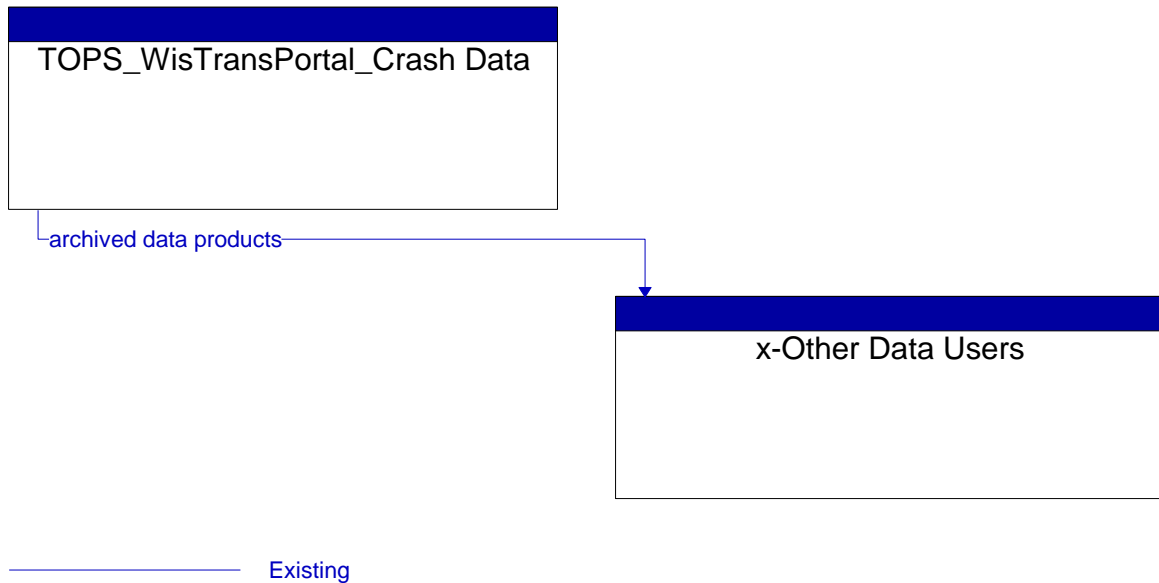


Figure 322: TOPS_WisTransPortal_Crash Data - x-Other Data Users Interface

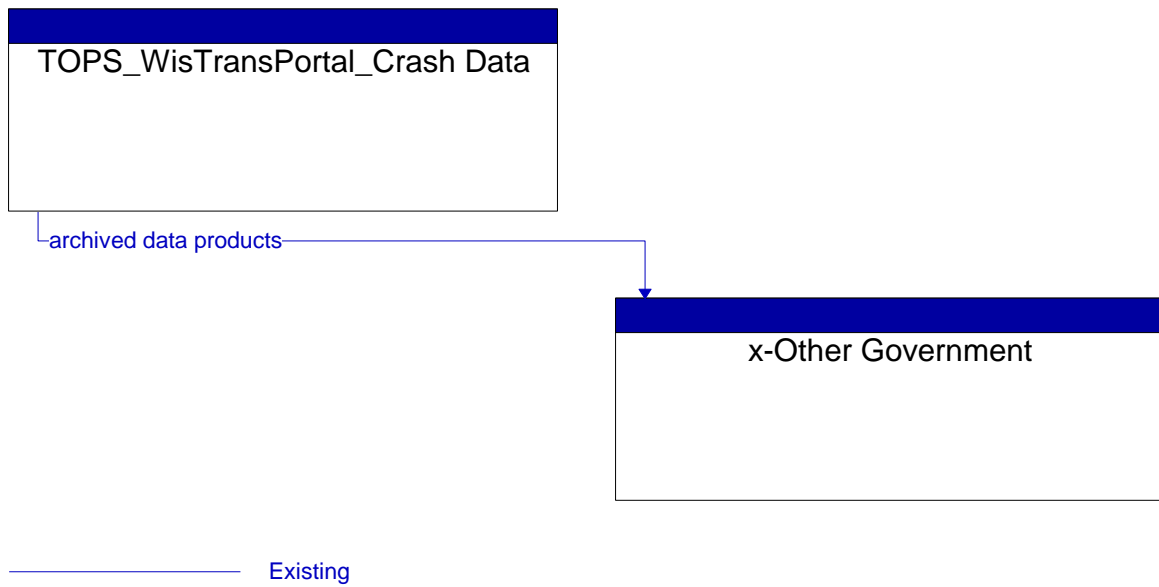


Figure 323: TOPS_WisTransPortal_Crash Data - x-Other Government Interface

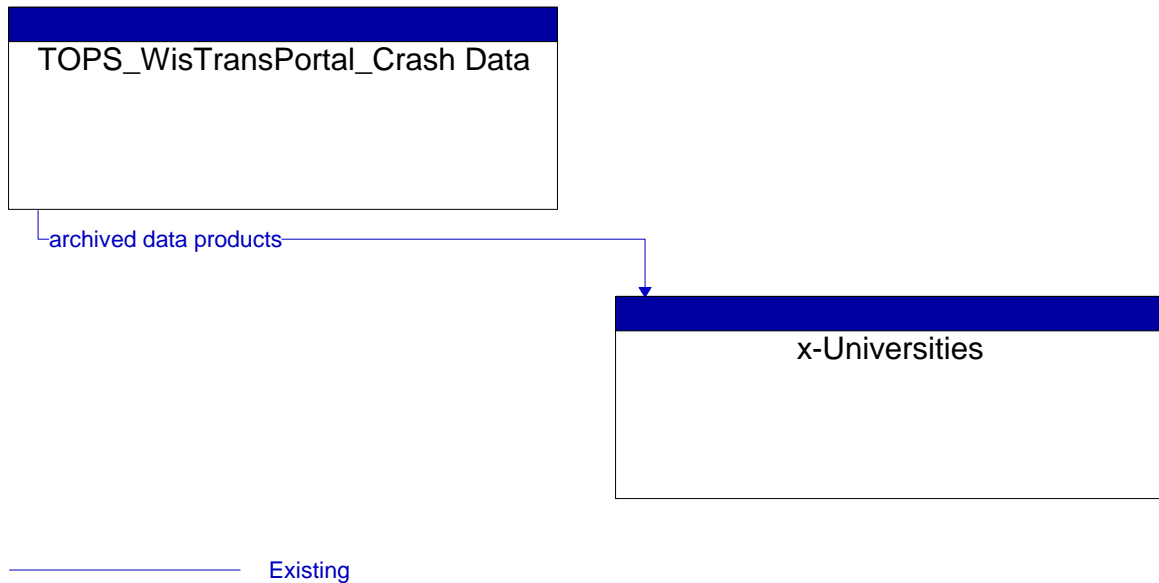


Figure 324: TOPS_WisTransPortal_Crash Data - x-Universities Interface

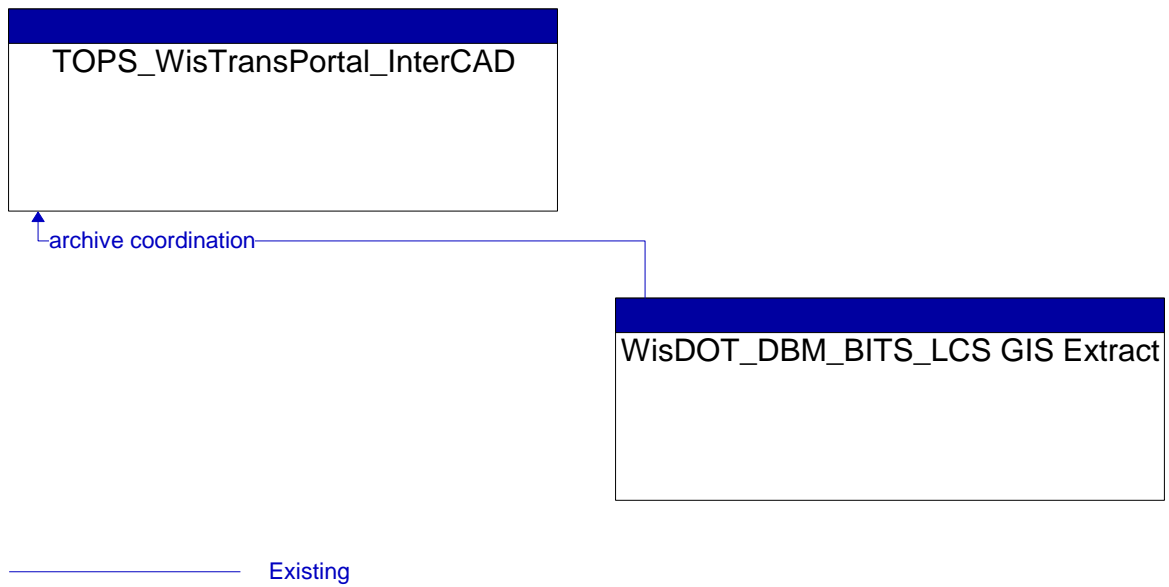


Figure 325: TOPS_WisTransPortal_InterCAD - WisDOT_DBM_BITS_LCS GIS Extract Interface

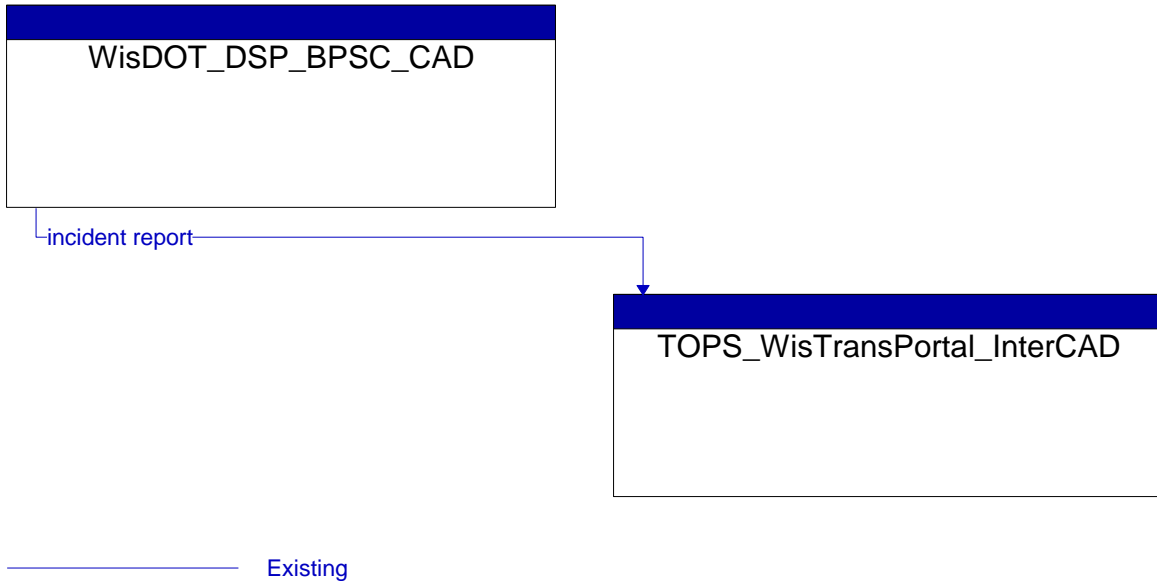


Figure 326: TOPS_WisTransPortal_InterCAD - WisDOT_DSP_BPSC_CAD Interface

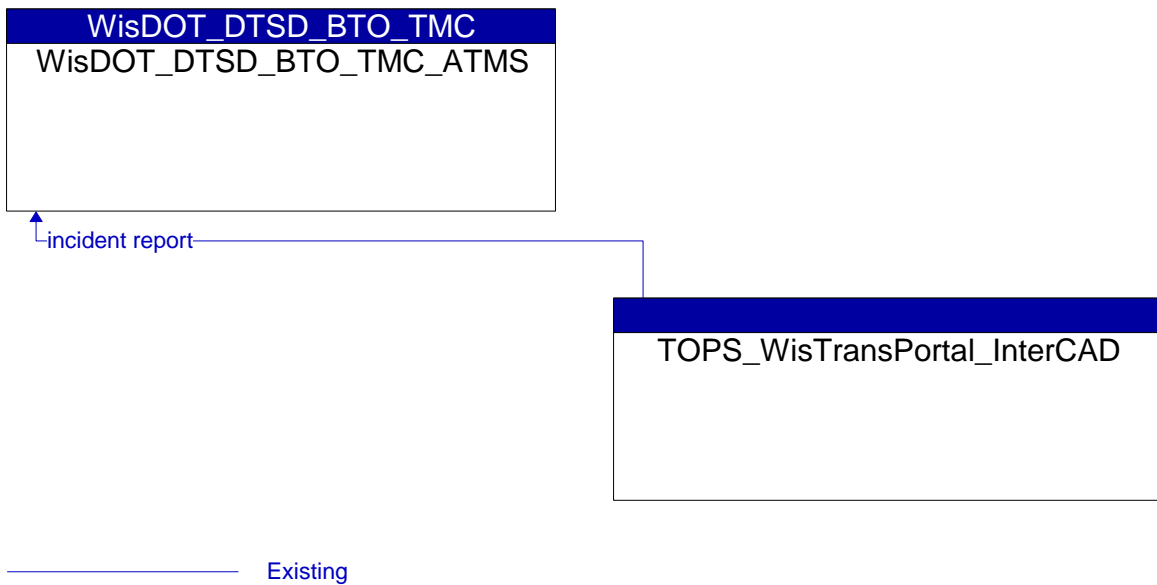


Figure 327: TOPS_WisTransPortal_InterCAD - WisDOT_DTSD_BTO_TMC_ATMS Interface

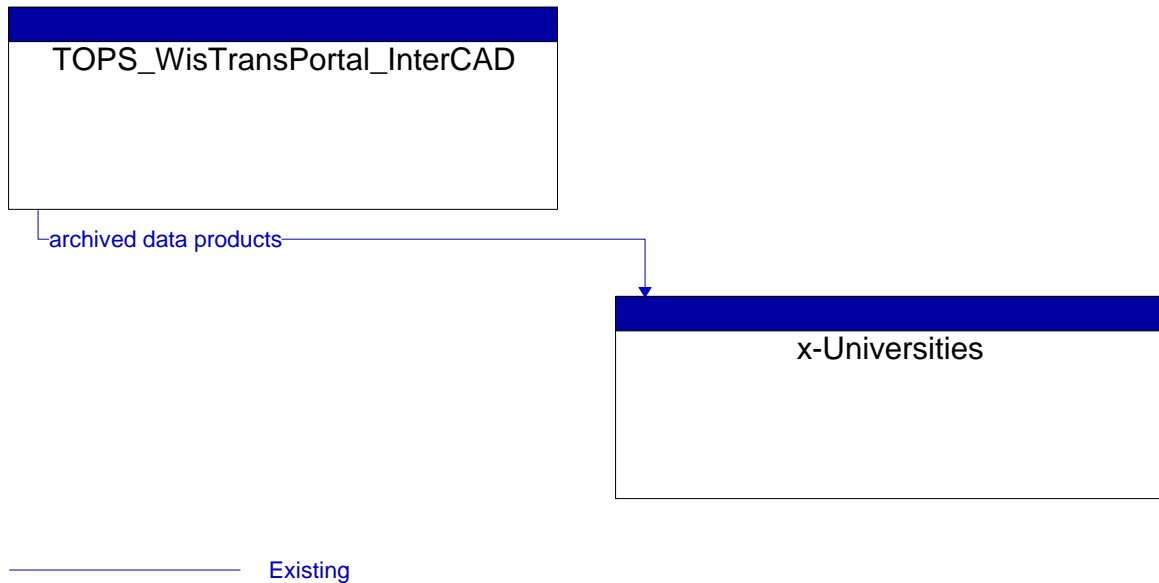


Figure 328: TOPS_WisTransPortal_InterCAD - x-Universities Interface

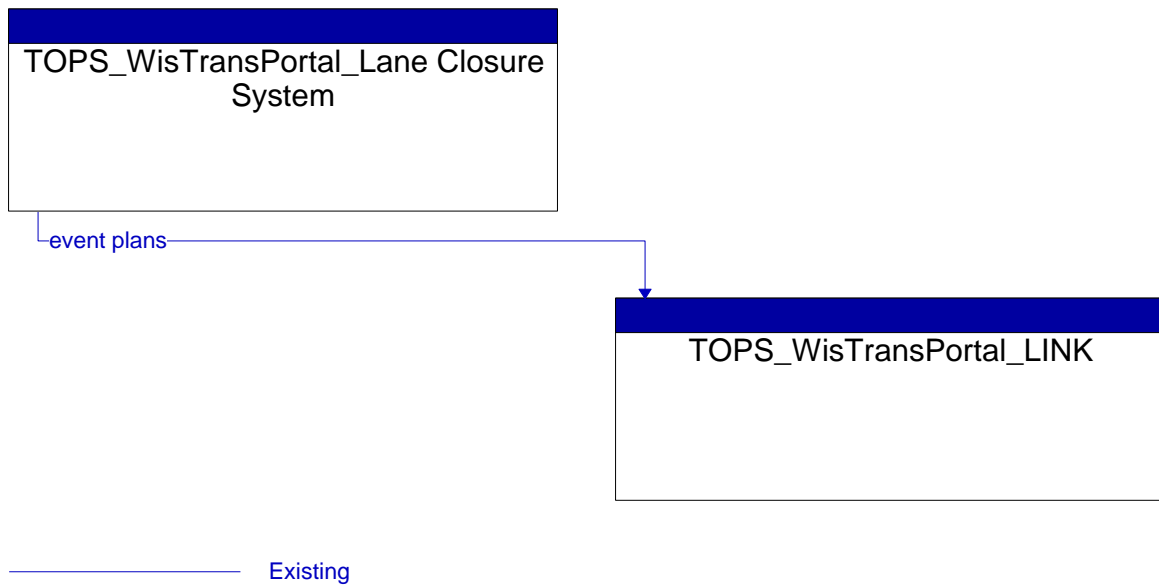


Figure 329: TOPS_WisTransPortal_Lane Closure System - TOPS_WisTransPortal_LINK Interface

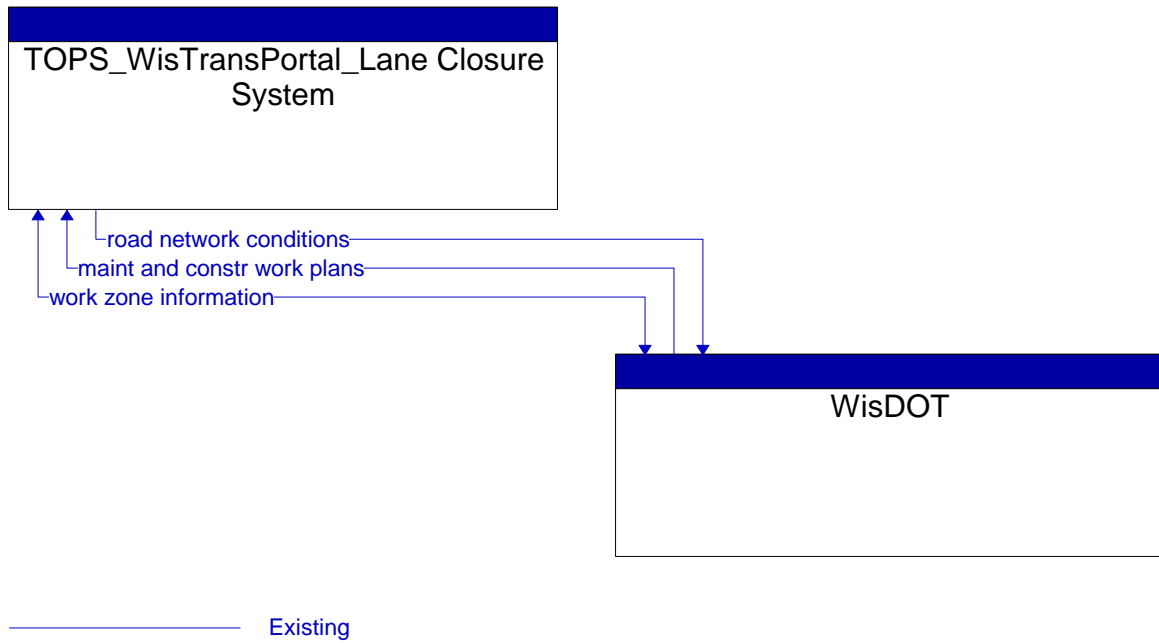


Figure 330: TOPS_WisTransPortal_Lane Closure System - WisDOT Interface

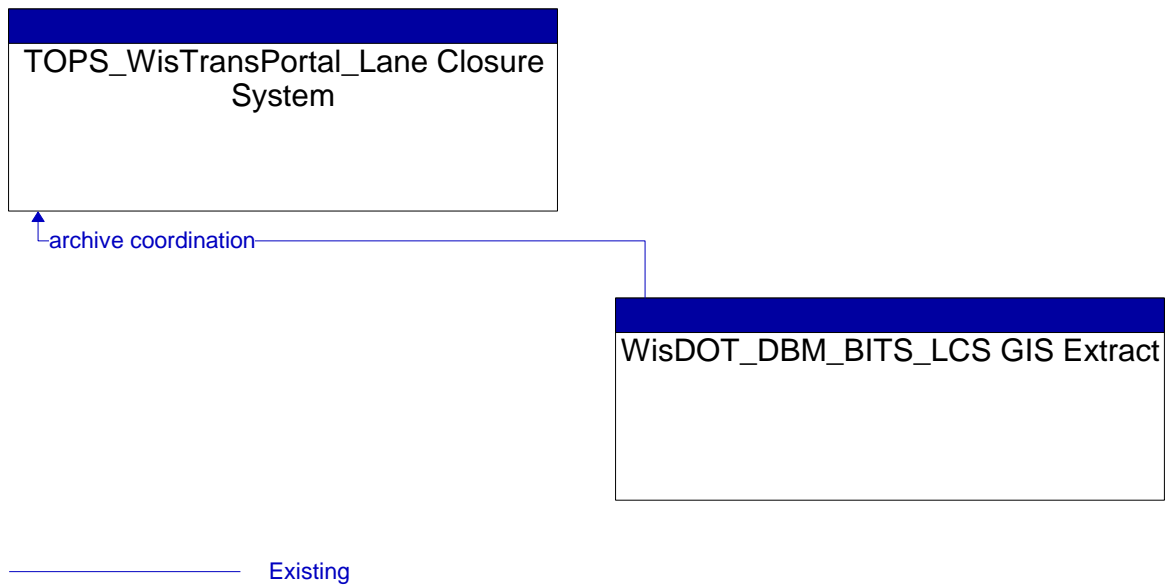


Figure 331: TOPS_WisTransPortal_Lane Closure System - WisDOT_DBM_BITS_LCS GIS Extract Interface

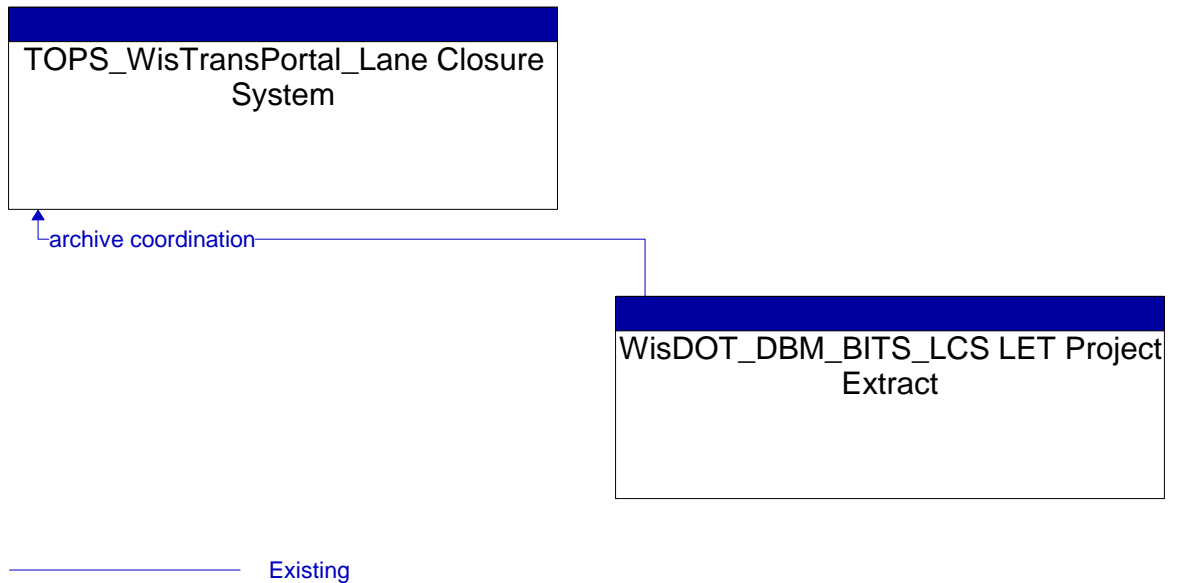


Figure 332: TOPS_WisTransPortal_Lane Closure System - WisDOT_DBM_BITS_LCS LET Project Extract Interface

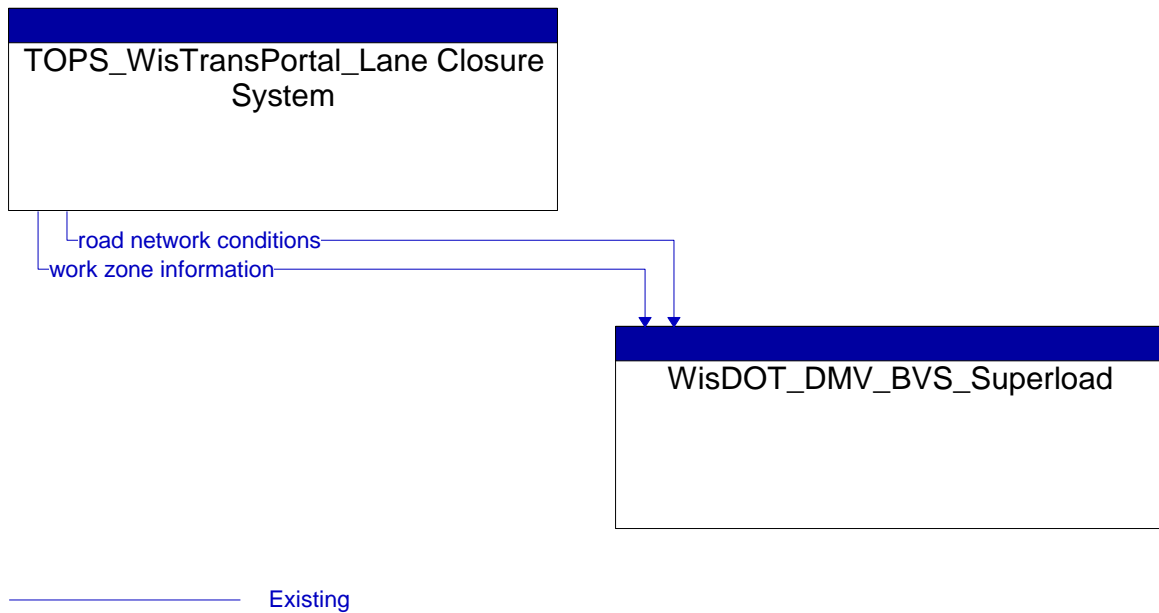


Figure 333: TOPS_WisTransPortal_Lane Closure System - WisDOT_DMV_BVS_Superload Interface

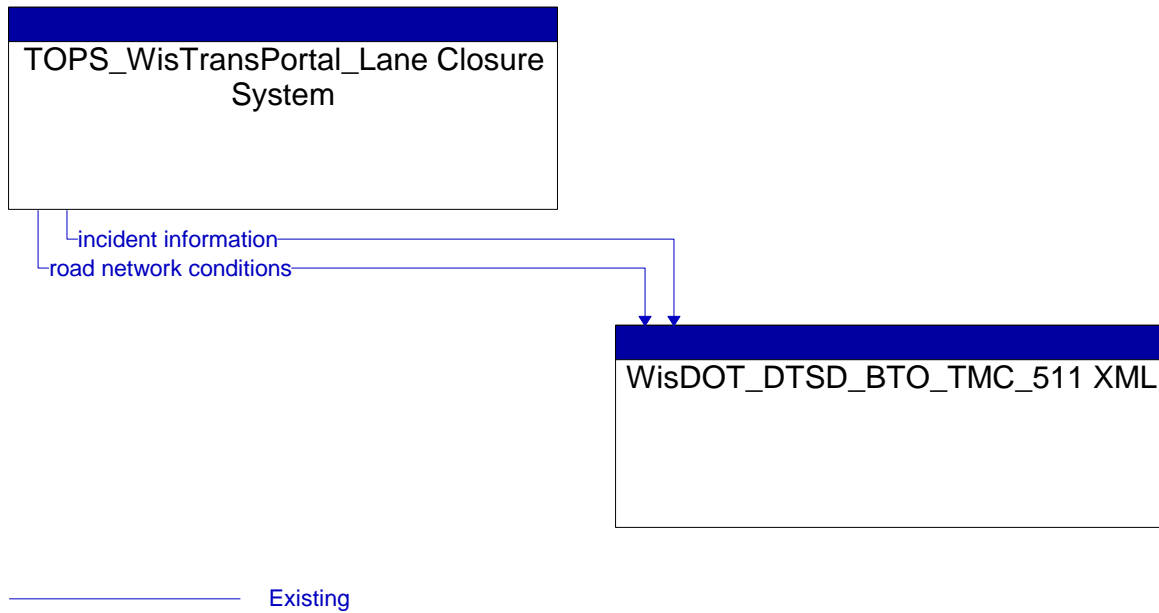


Figure 334: TOPS_WisTransPortal_Lane Closure System - WisDOT_DTSD_BTO_TMC_511 XML Interface

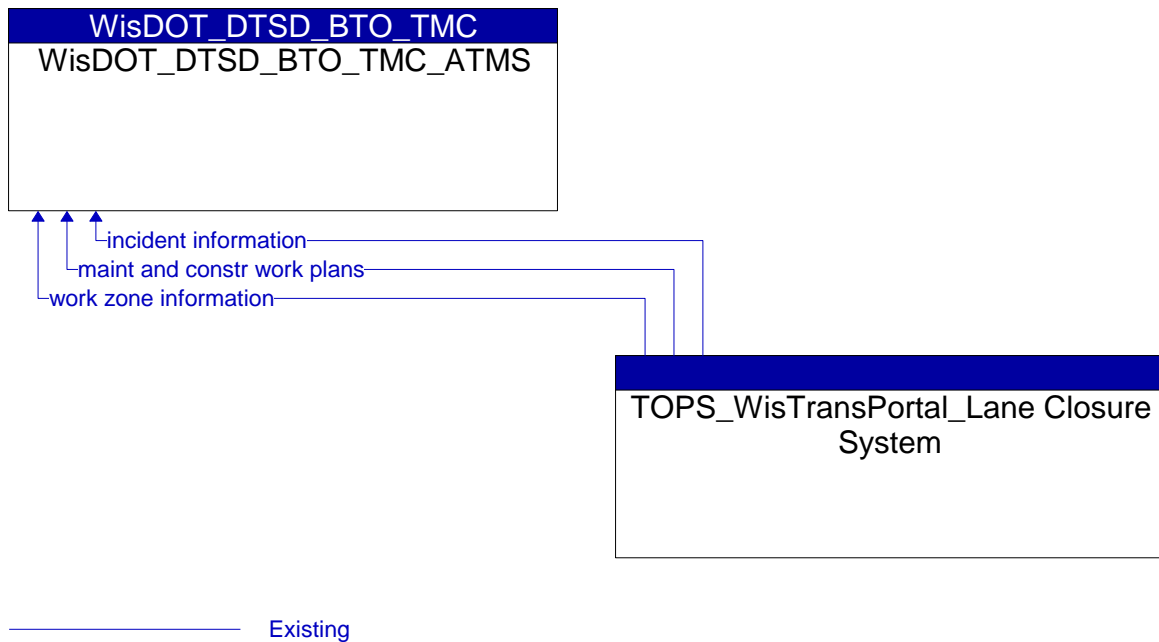


Figure 335: TOPS_WisTransPortal_Lane Closure System - WisDOT_DTSD_BTO_TMC_ATMS Interface

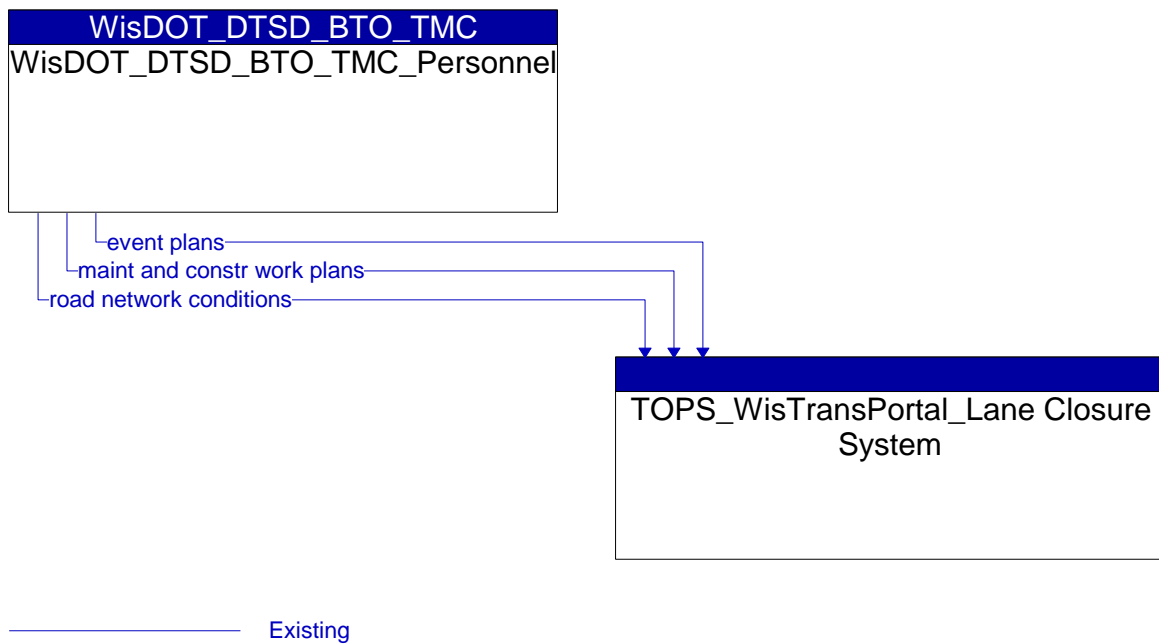


Figure 336: TOPS_WisTransPortal_Lane Closure System - WisDOT_DTSD_BTO_TMC_Personnel Interface

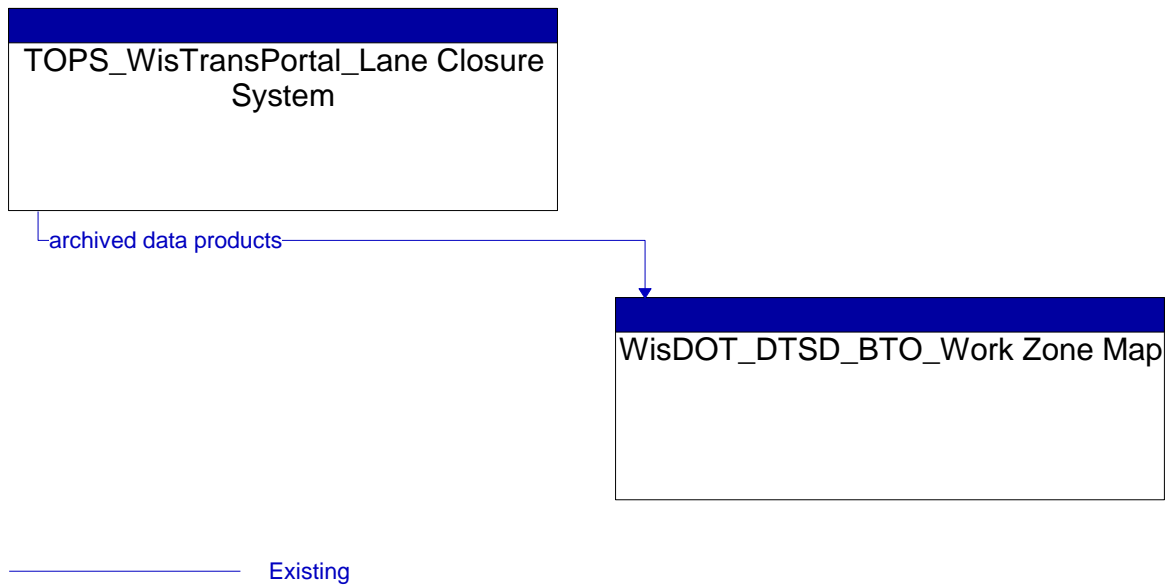


Figure 337: TOPS_WisTransPortal_Lane Closure System - WisDOT_DTSD_BTO_Work Zone Map Interface

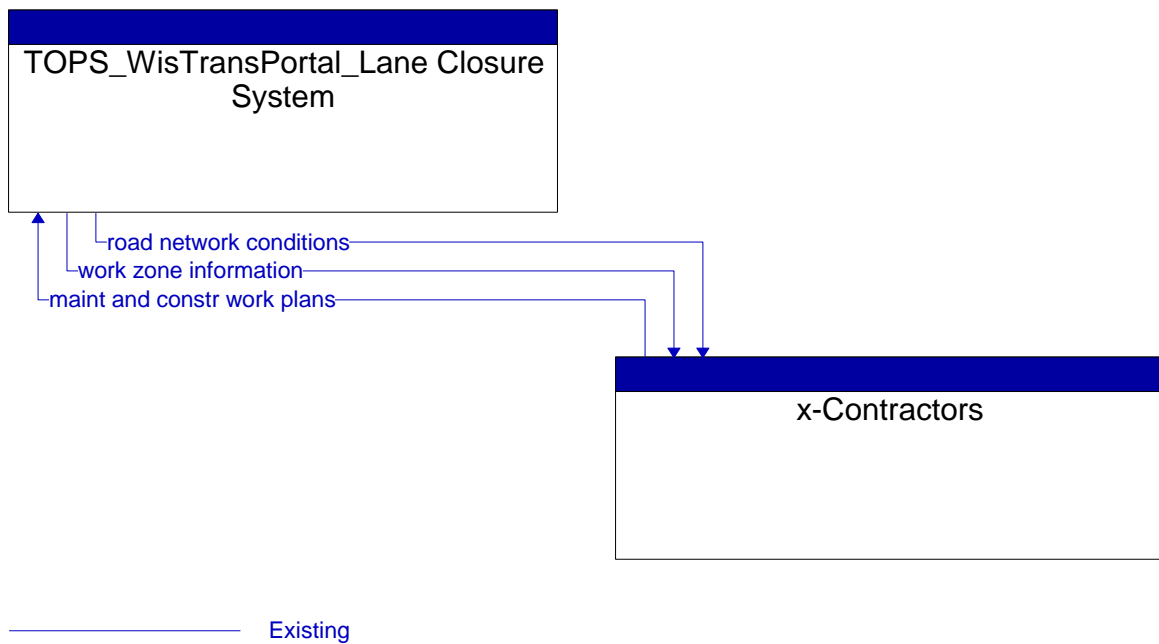


Figure 338: TOPS_WisTransPortal_Lane Closure System - x-Contractors Interface

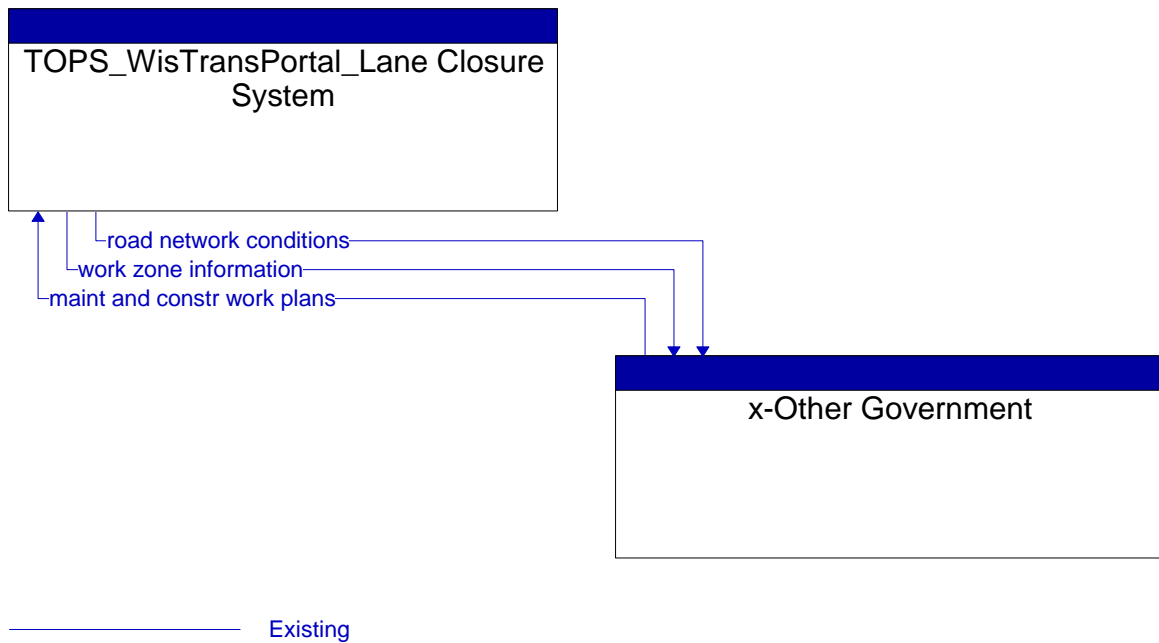


Figure 339: TOPS_WisTransPortal_Lane Closure System - x-Other Government Interface

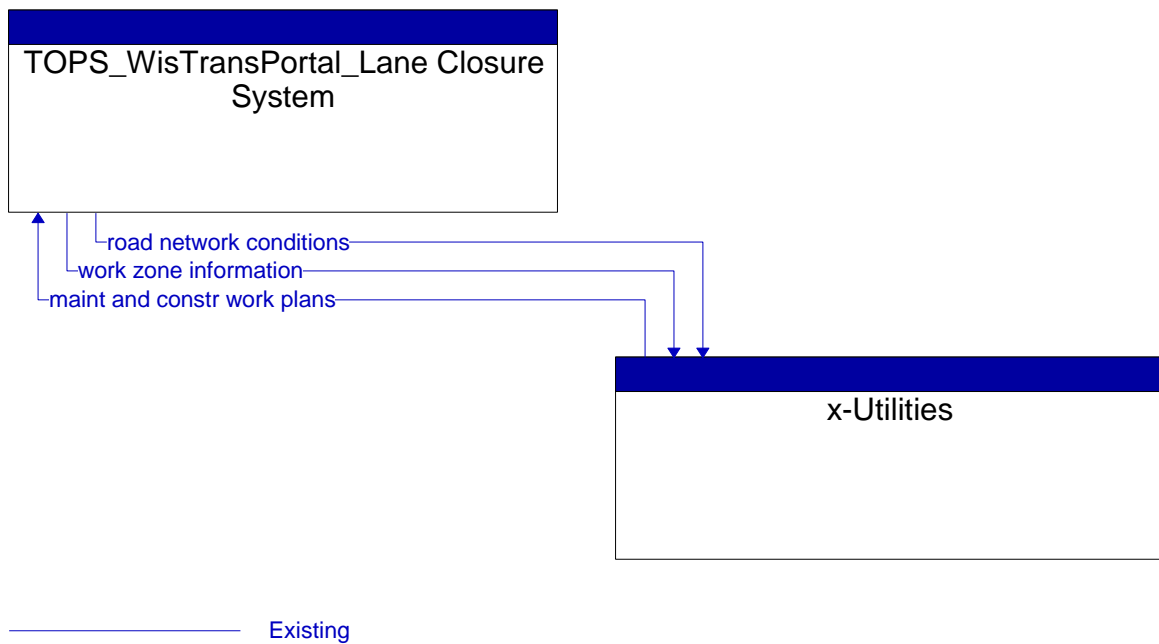


Figure 340: TOPS_WisTransPortal_Lane Closure System - x-Utilities Interface

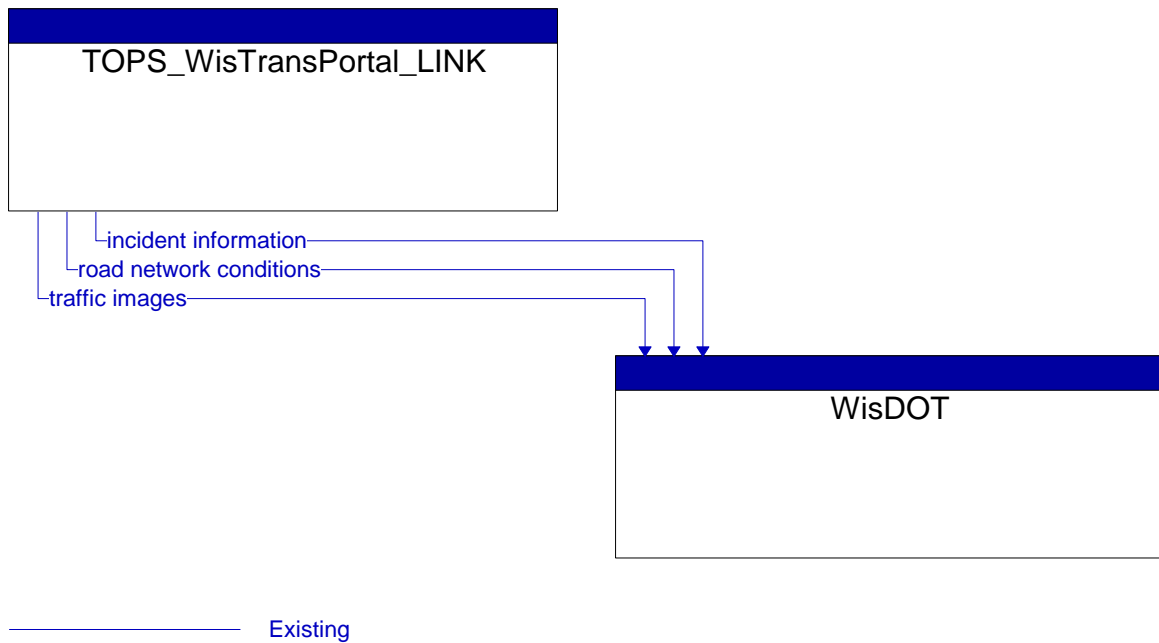


Figure 341: TOPS_WisTransPortal_LINK - WisDOT Interface

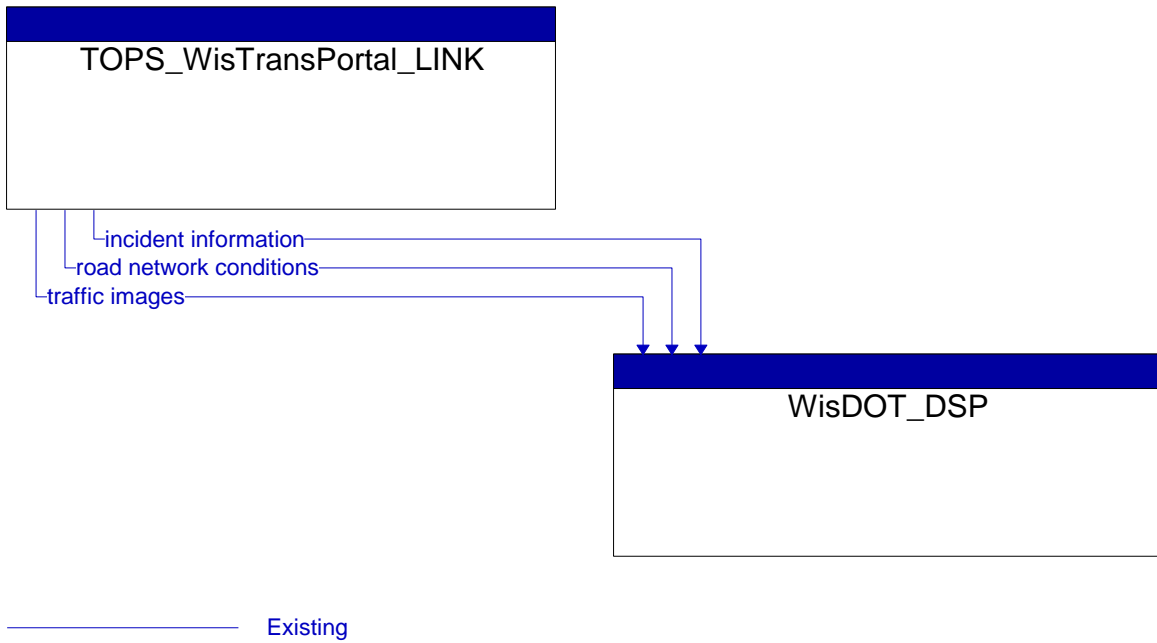


Figure 342: TOPS_WisTransPortal_LINK - WisDOT_DSP Interface

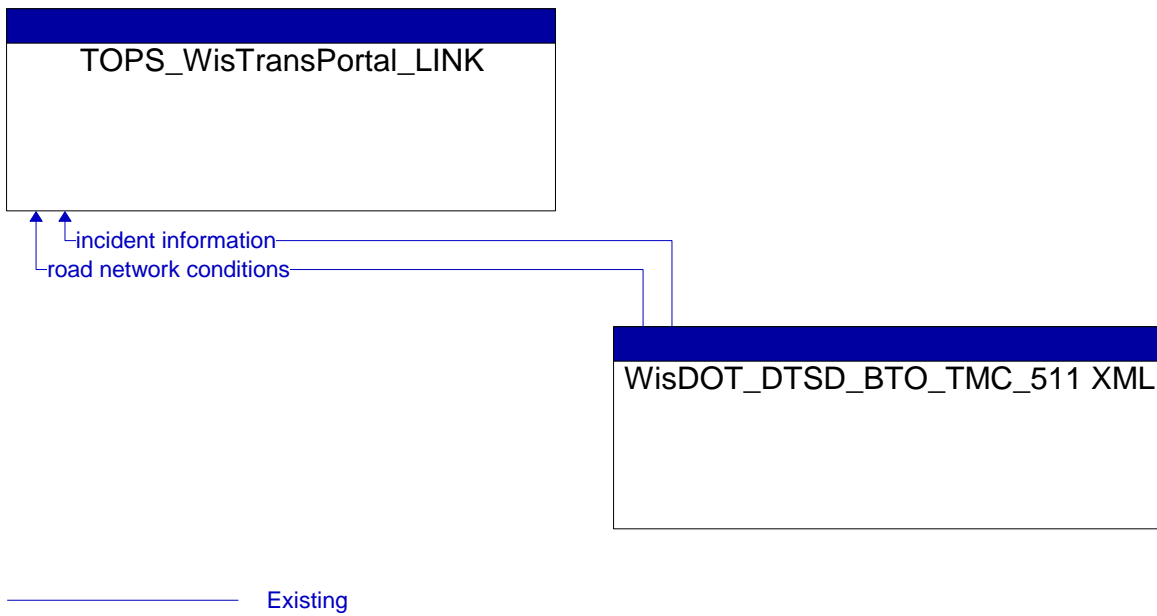


Figure 343: TOPS_WisTransPortal_LINK - WisDOT_DTSD_BTO_TMC_511 XML Interface

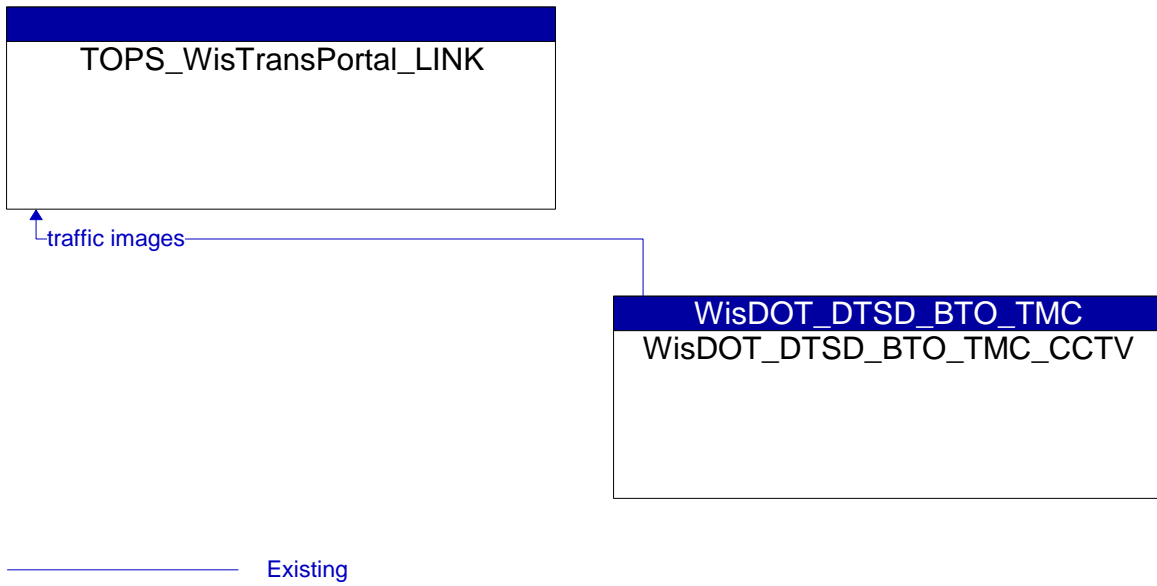


Figure 344: TOPS_WisTransPortal_LINK - WisDOT_DTSD_BTO_TMC_CCTV Interface

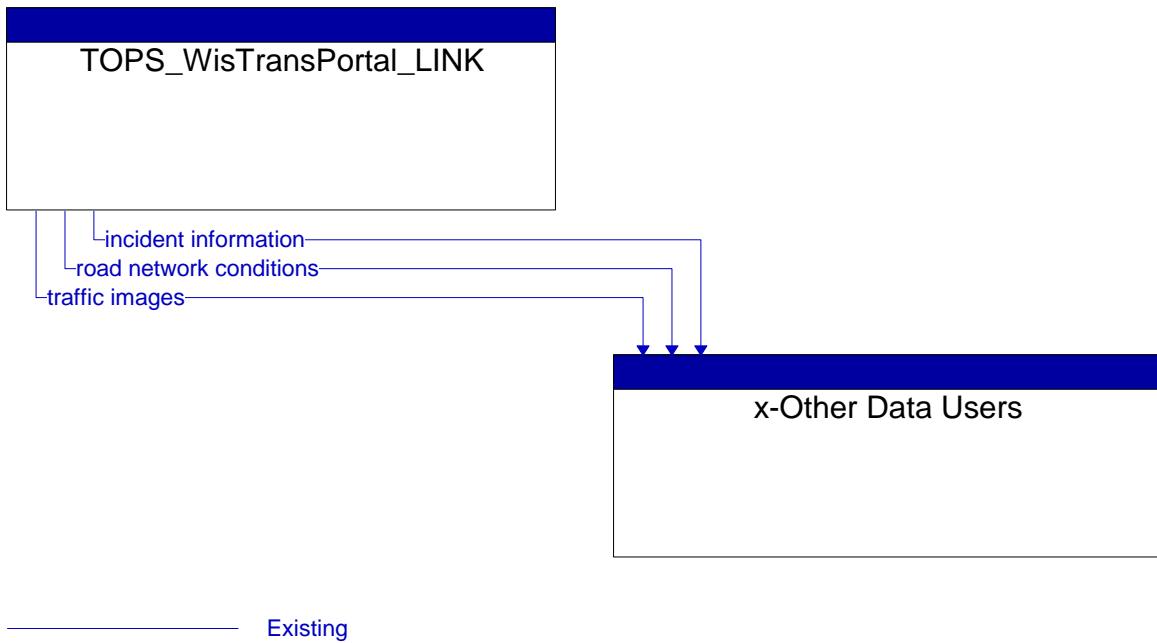


Figure 345: TOPS_WisTransPortal_LINK - x-Other Data Users Interface

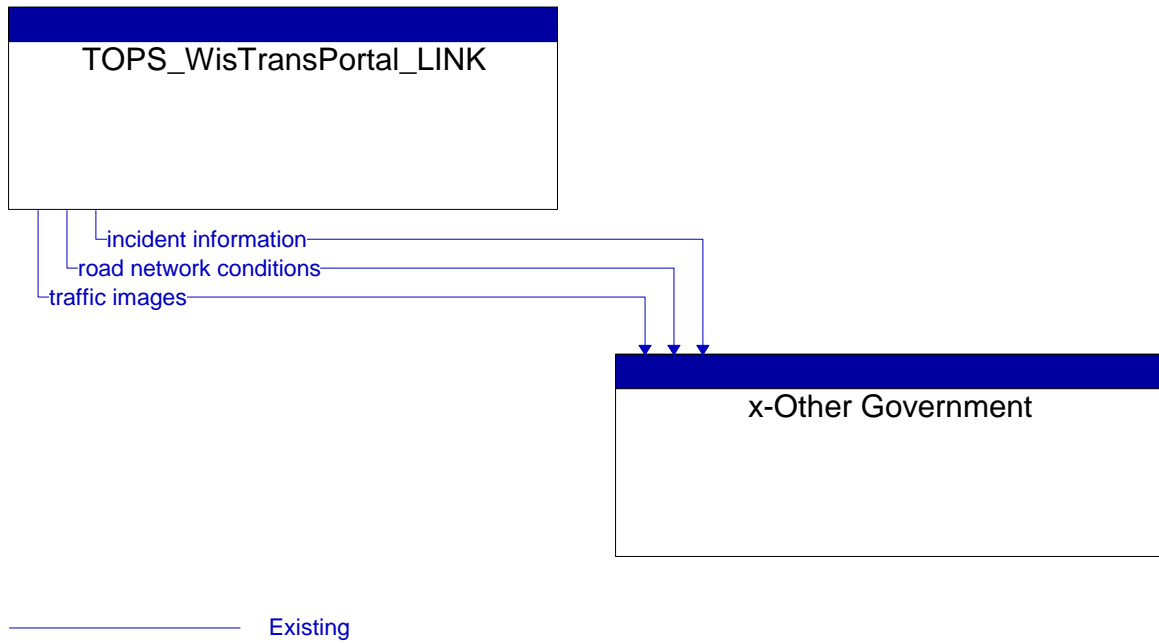


Figure 346: TOPS_WisTransPortal_LINK - x-Other Government Interface

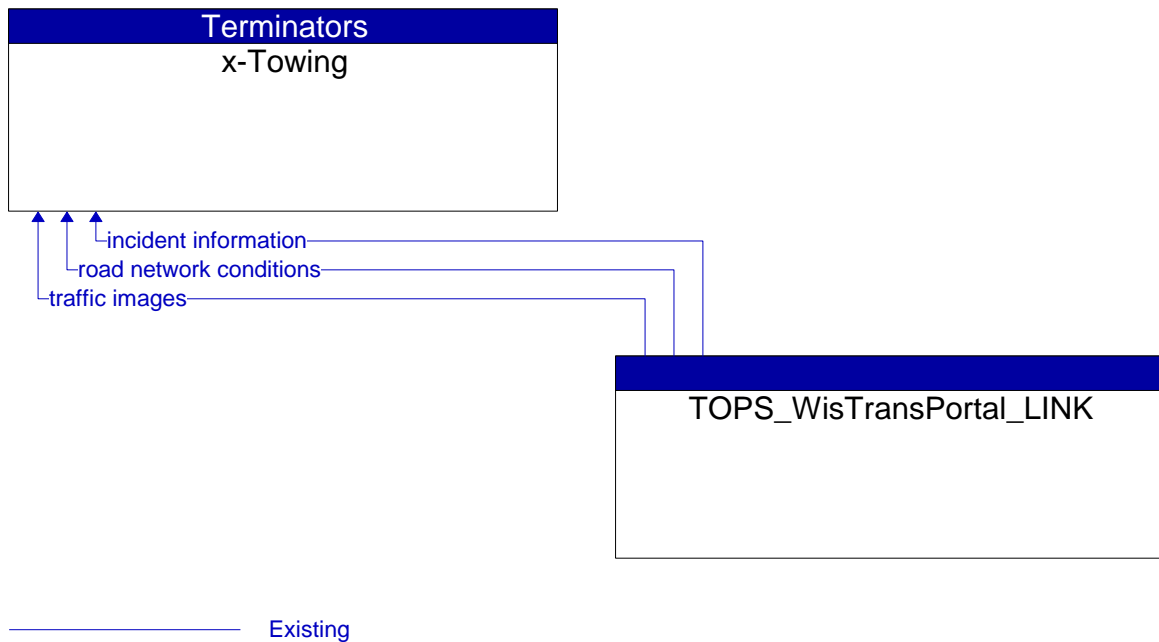


Figure 347: TOPS_WisTransPortal_LINK - x-Towing Interface

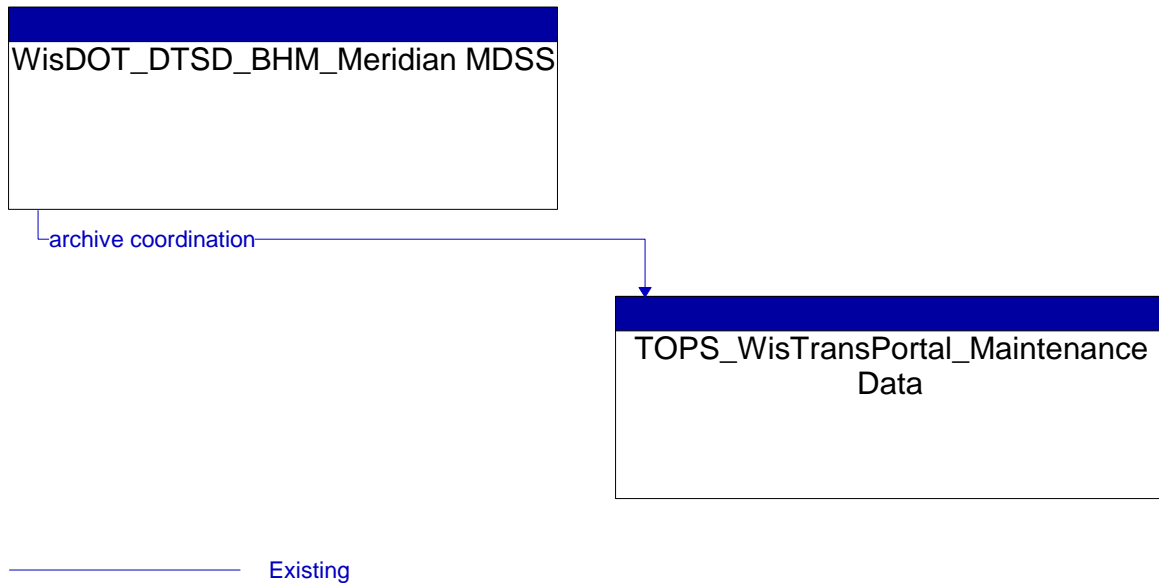


Figure 348: TOPS_WisTransPortal_Maintenance Data - WisDOT_DTSD_BHM_Meridian MDSS Interface

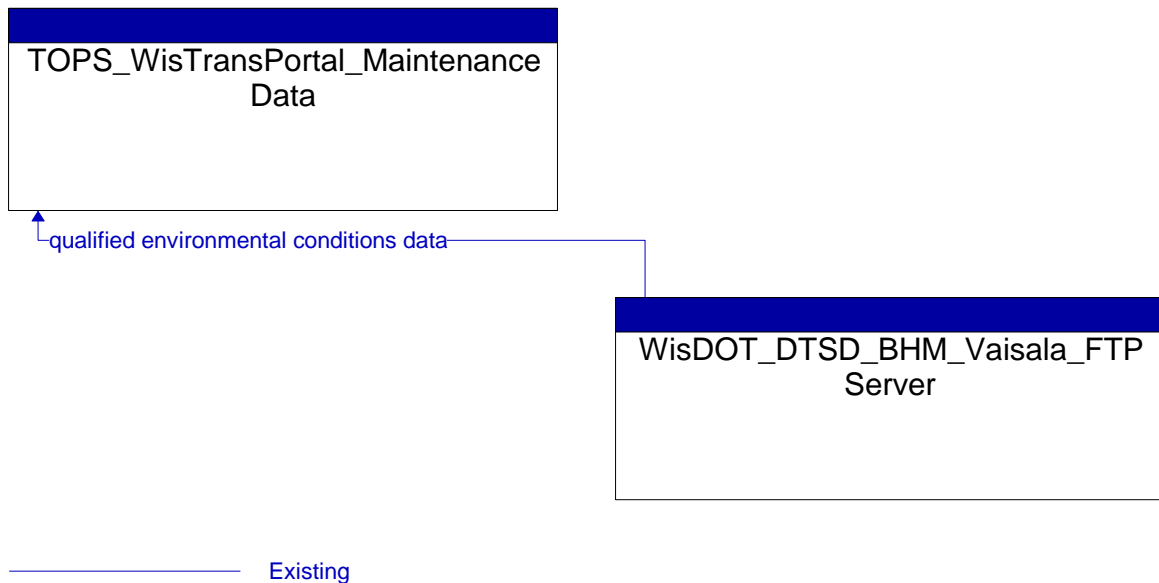


Figure 349: TOPS_WisTransPortal_Maintenance Data - WisDOT_DTSD_BHM_Vaisala_FTP Server Interface

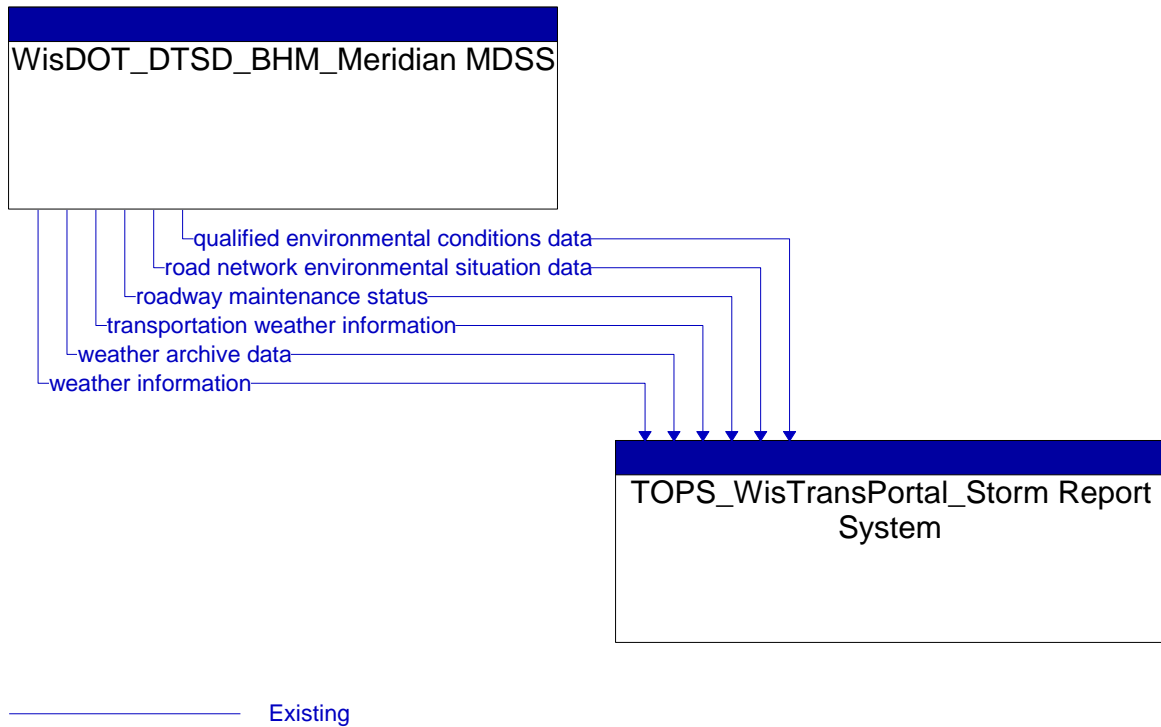


Figure 350: TOPS_WisTransPortal_Storm Report System - WisDOT_DTSD_BHM_Meridian MDSS Interface

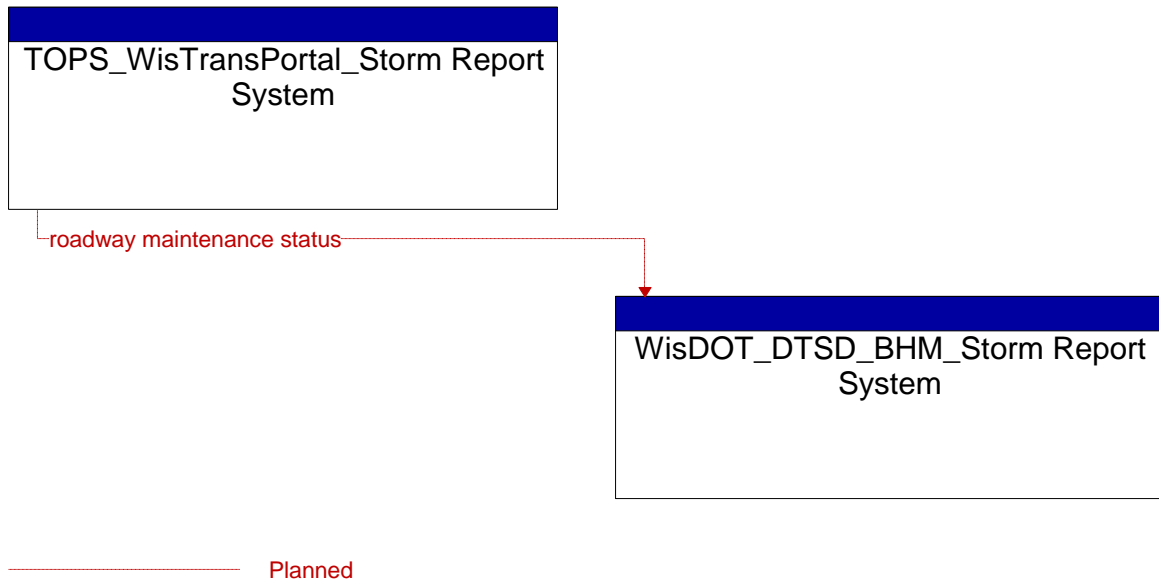


Figure 351: TOPS_WisTransPortal_Storm Report System - WisDOT_DTSD_BHM_Storm Report System Interface

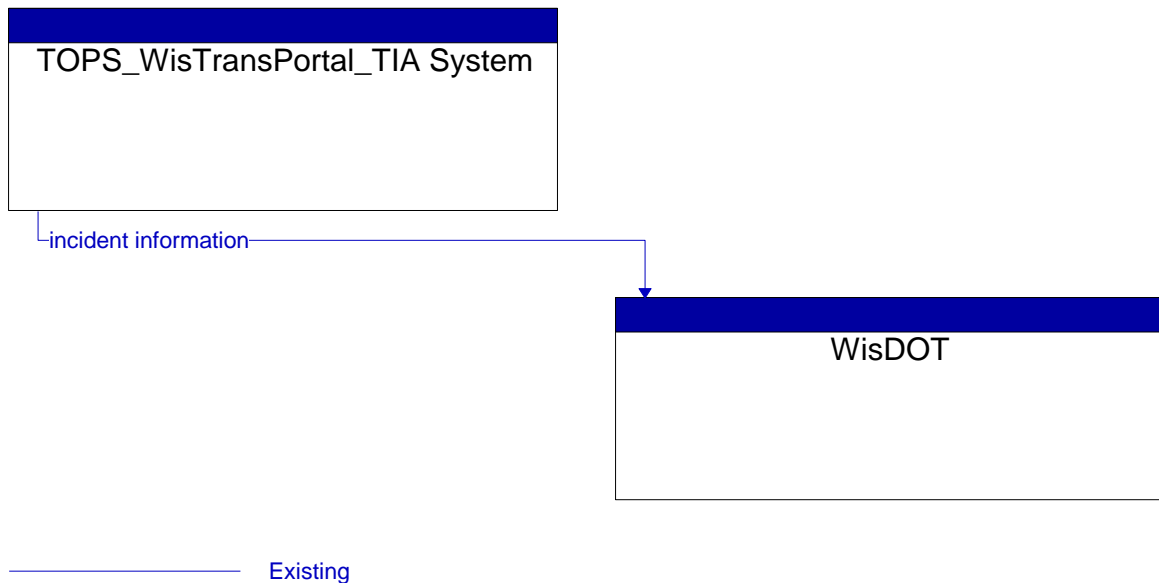


Figure 352: TOPS_WisTransPortal_TIA System - WisDOT Interface

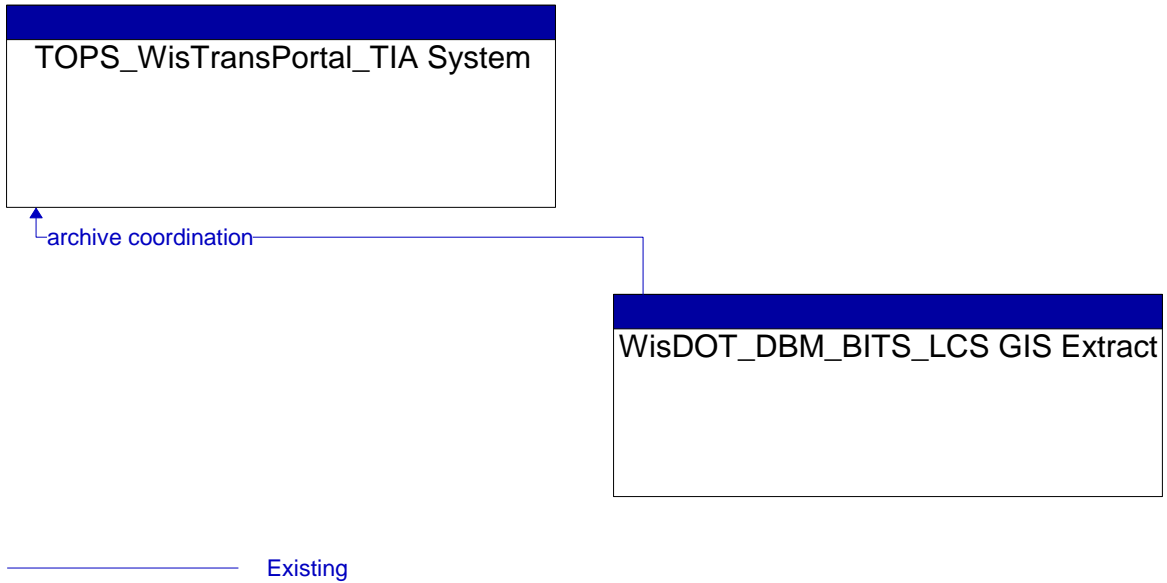


Figure 353: TOPS_WisTransPortal_TIA System - WisDOT_DBM_BITS_LCS GIS Extract Interface

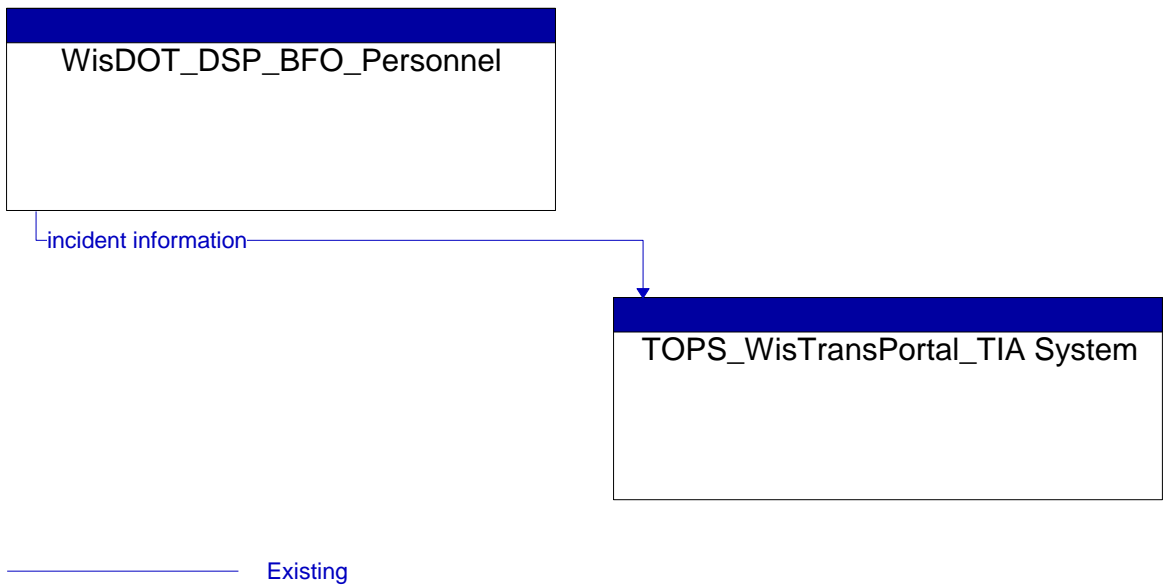


Figure 354: TOPS_WisTransPortal_TIA System - WisDOT_DSP_BFO_Personnel Interface

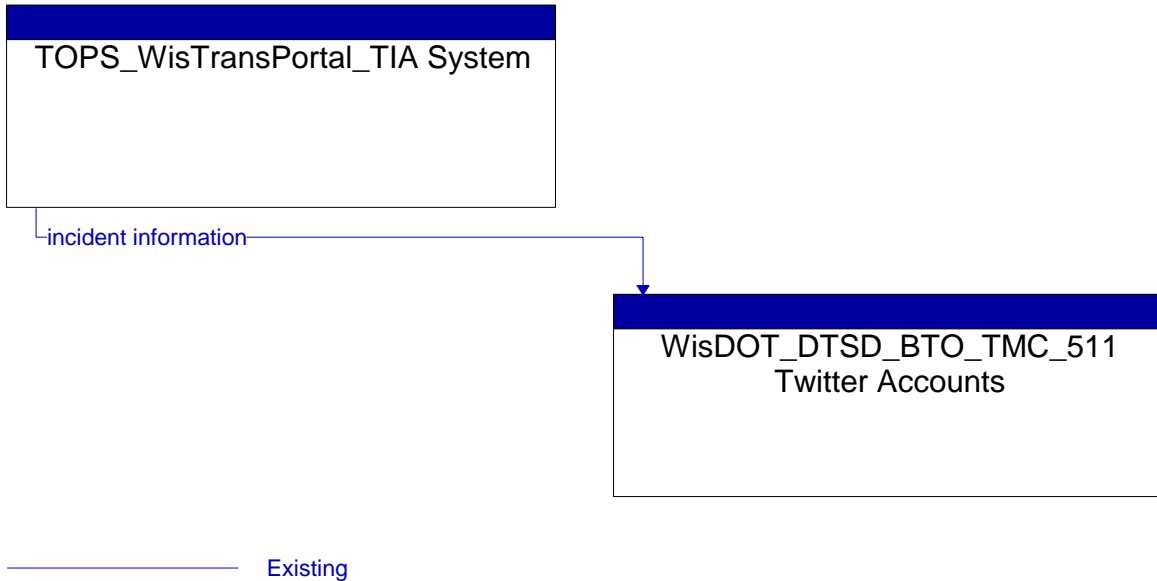


Figure 355: TOPS_WisTransPortal_TIA System - WisDOT_DTSD_BTO_TMC_511 Twitter Accounts Interface

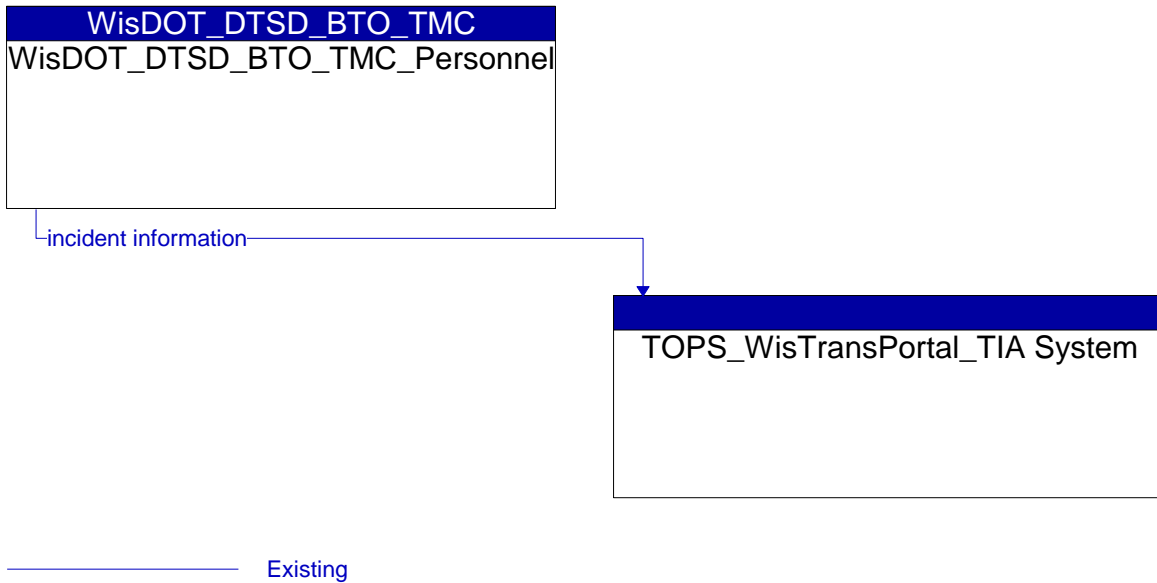


Figure 356: TOPS_WisTransPortal_TIA System - WisDOT_DTSD_BTO_TMC Personnel Interface

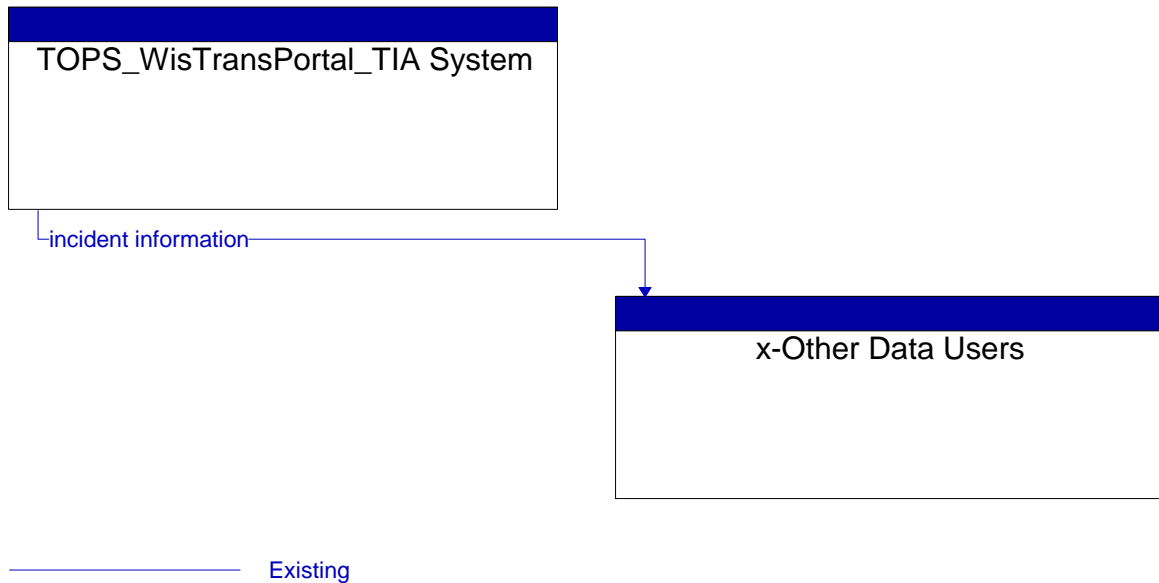


Figure 357: TOPS_WisTransPortal_TIA System - x-Other Data Users Interface

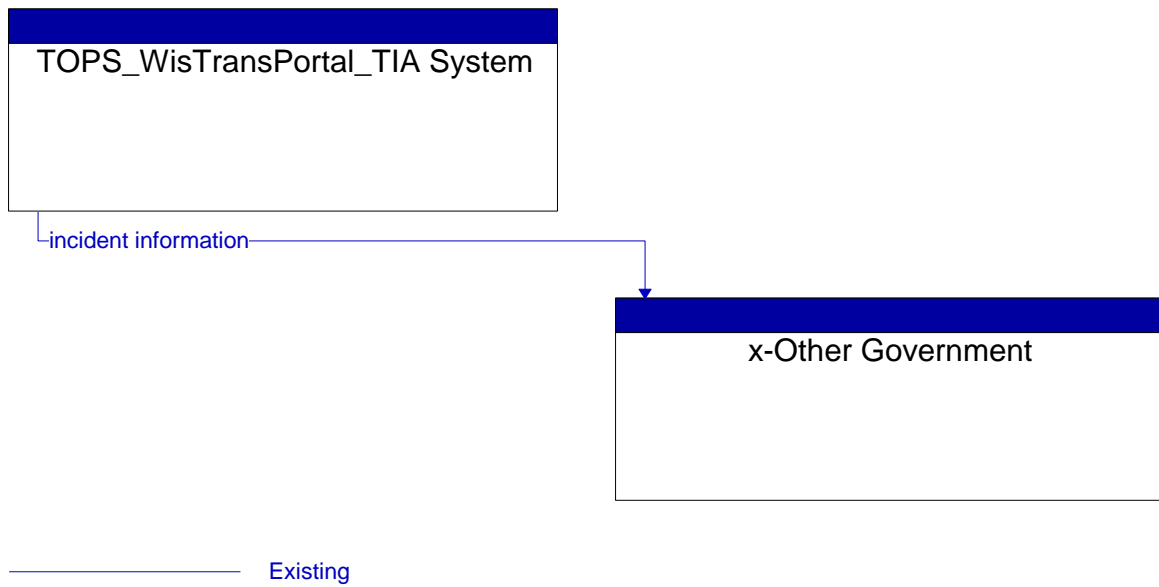


Figure 358: TOPS_WisTransPortal_TIA System - x-Other Government Interface

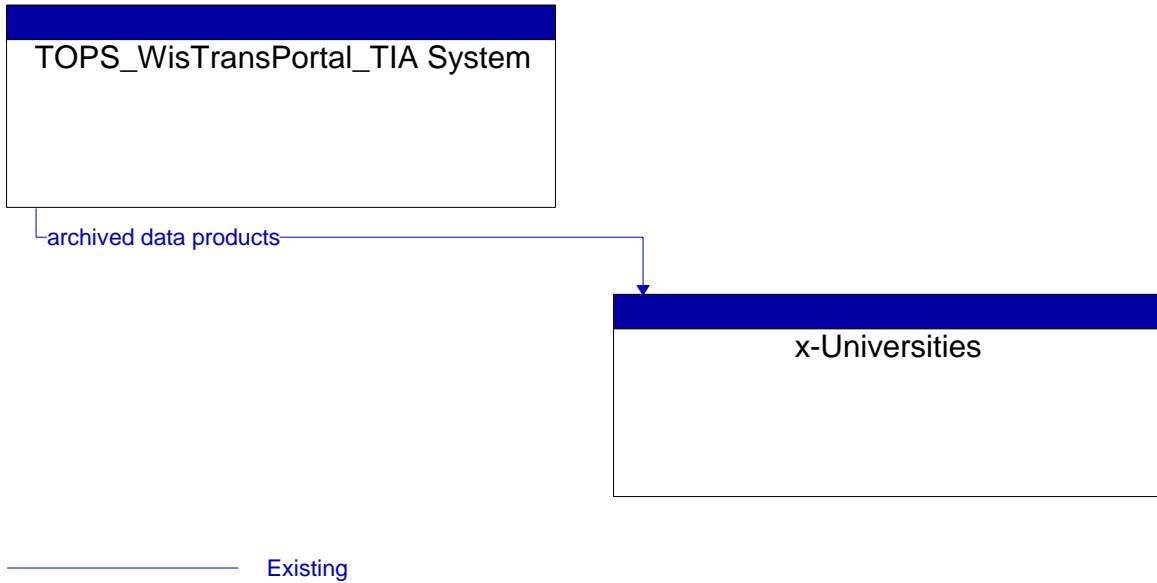


Figure 359: TOPS_WisTransPortal_TIA System - x-Universities Interface

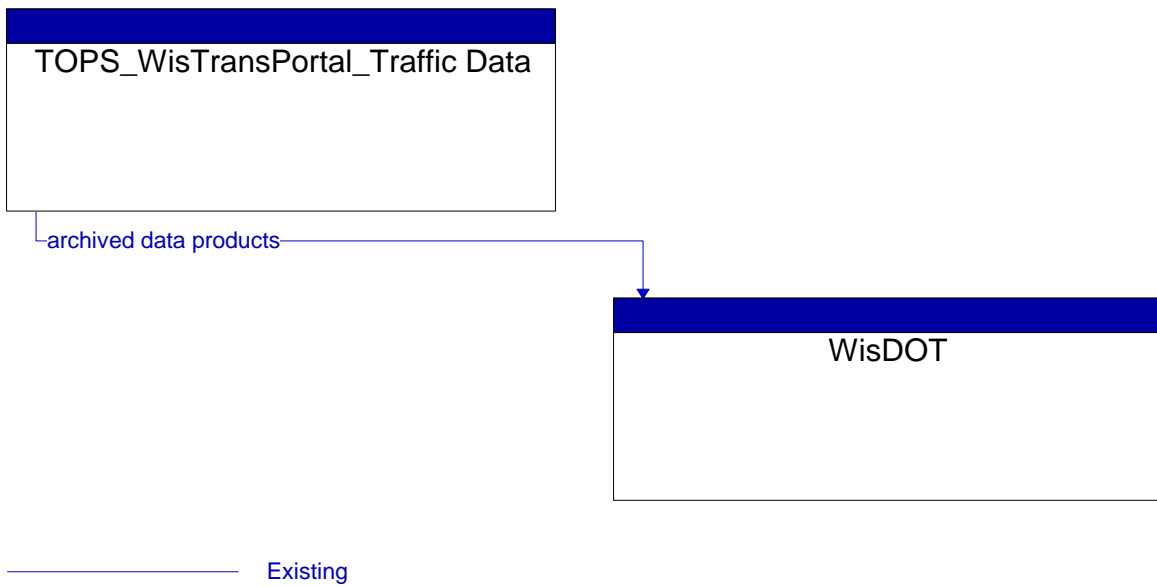


Figure 360: TOPS_WisTransPortal_Traffic Data - WisDOT Interface

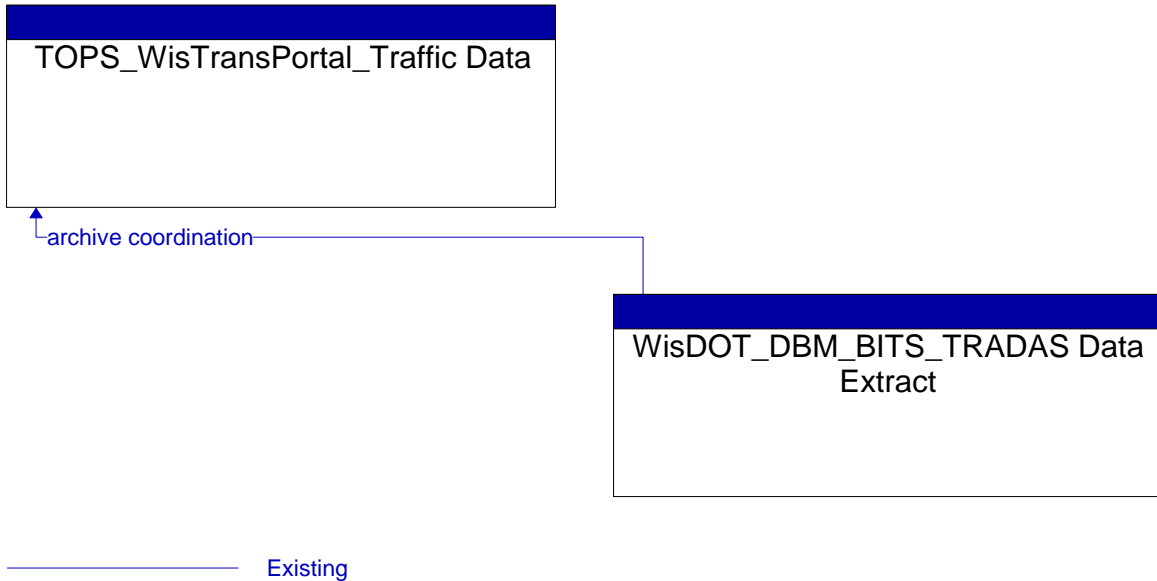


Figure 361: TOPS_WisTransPortal_Traffic Data - WisDOT_DBM_BITS_TRADAS Data Extract Interface

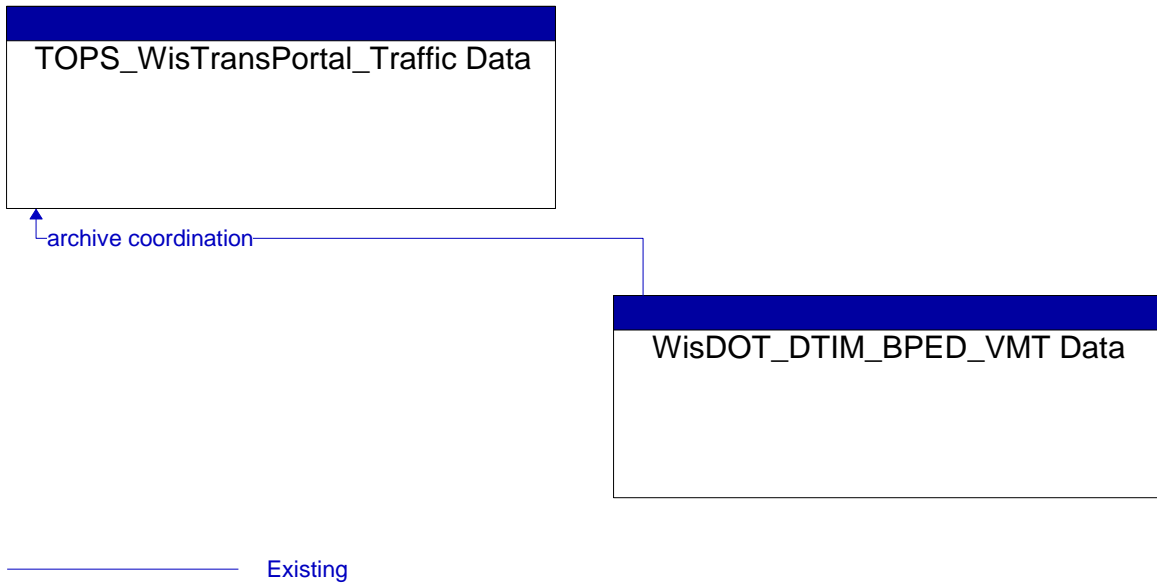


Figure 362: TOPS_WisTransPortal_Traffic Data - WisDOT_DTIM_BPED_VMT Data Interface

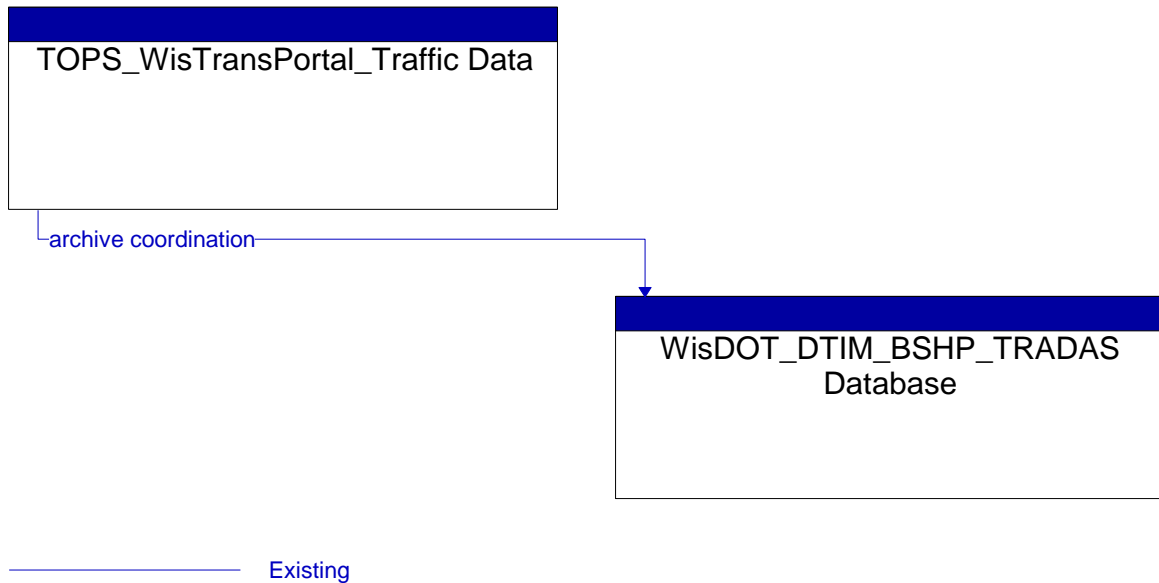


Figure 363: TOPS_WisTransPortal_Traffic Data - WisDOT_DTIM_BSHP_TRADAS Database Interface

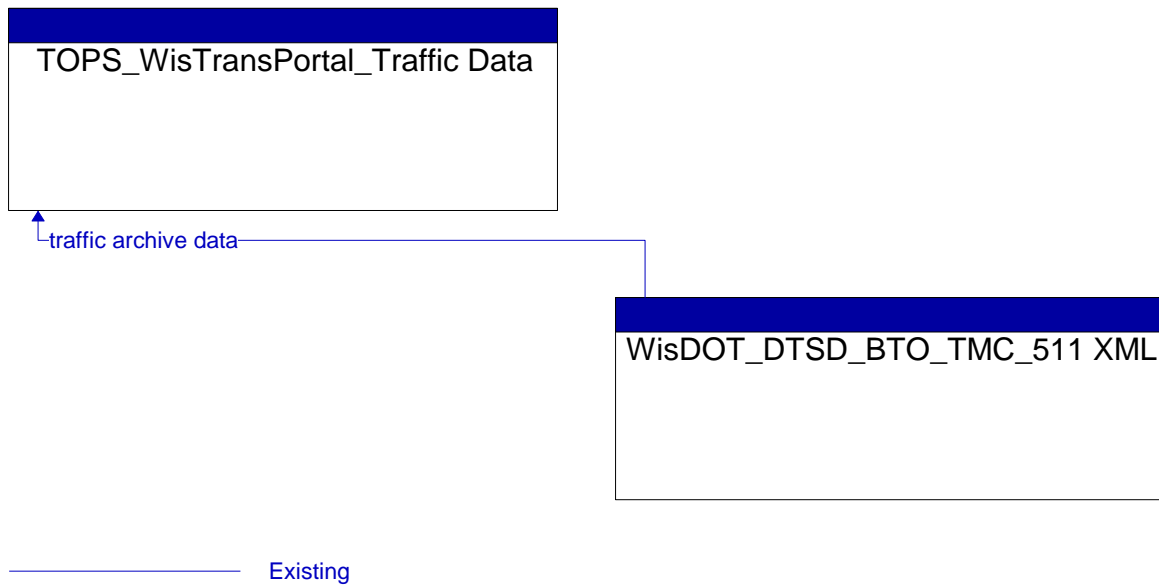


Figure 364: TOPS_WisTransPortal_Traffic Data - WisDOT_DTSD_BTO_TMC_511 XML Interface

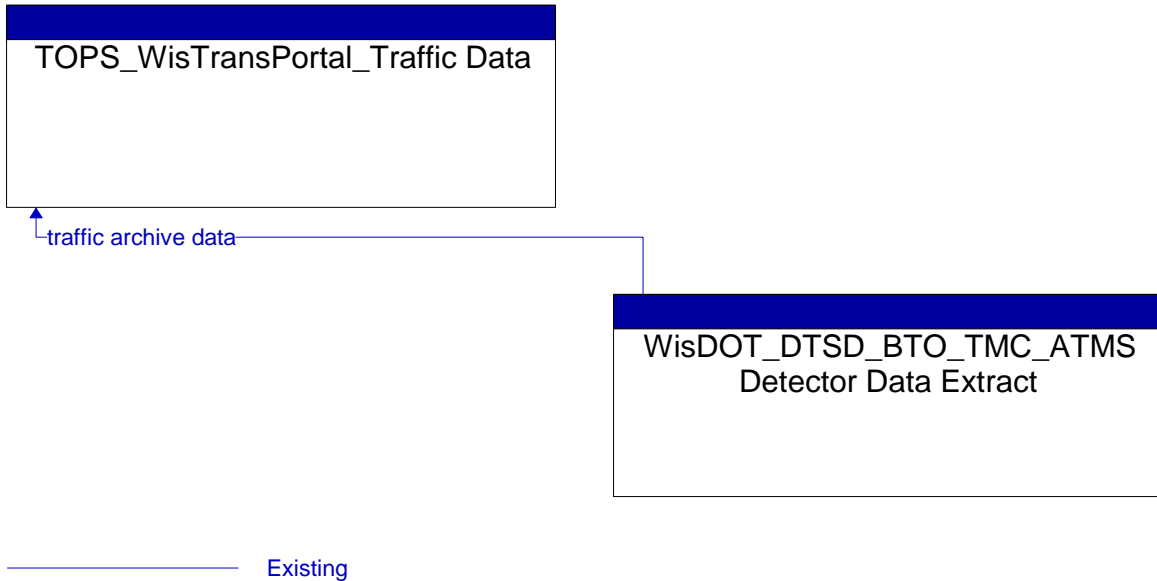


Figure 365: TOPS_WisTransPortal_Traffic Data - WisDOT_DTSD_BTO_TMC_ATMS Detector Data Extract Interface

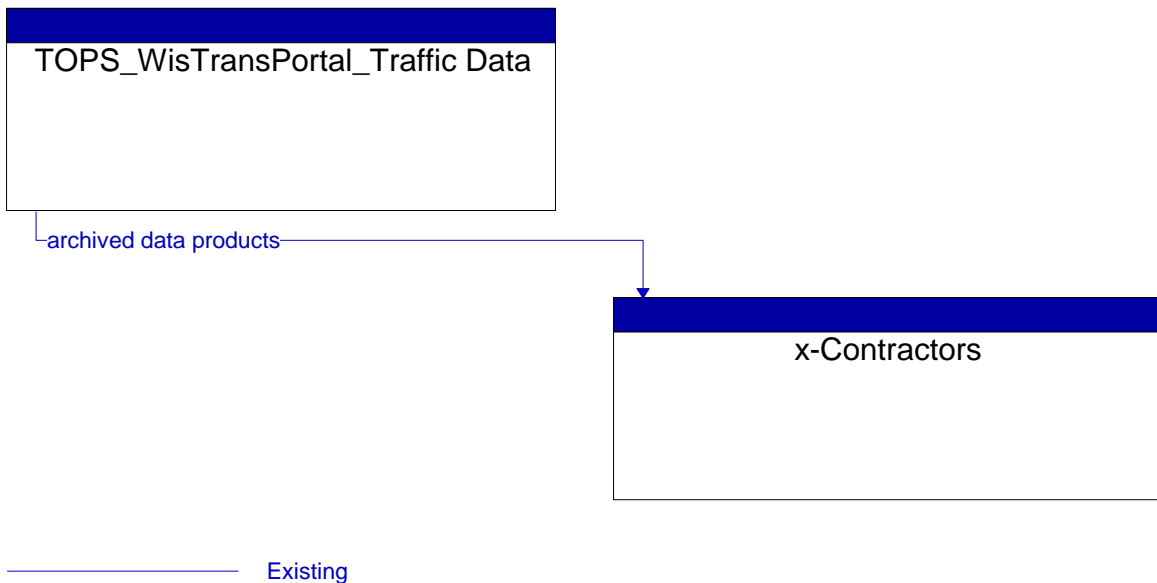


Figure 366: TOPS_WisTransPortal_Traffic Data - x-Contractors Interface

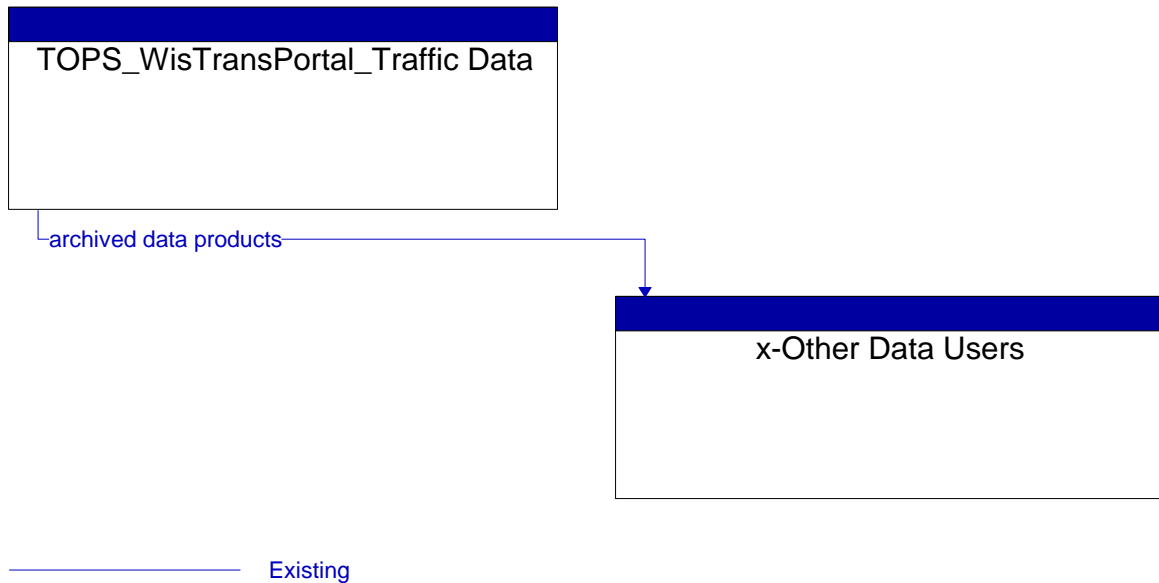


Figure 367: TOPS_WisTransPortal_Traffic Data - x-Other Data Users Interface

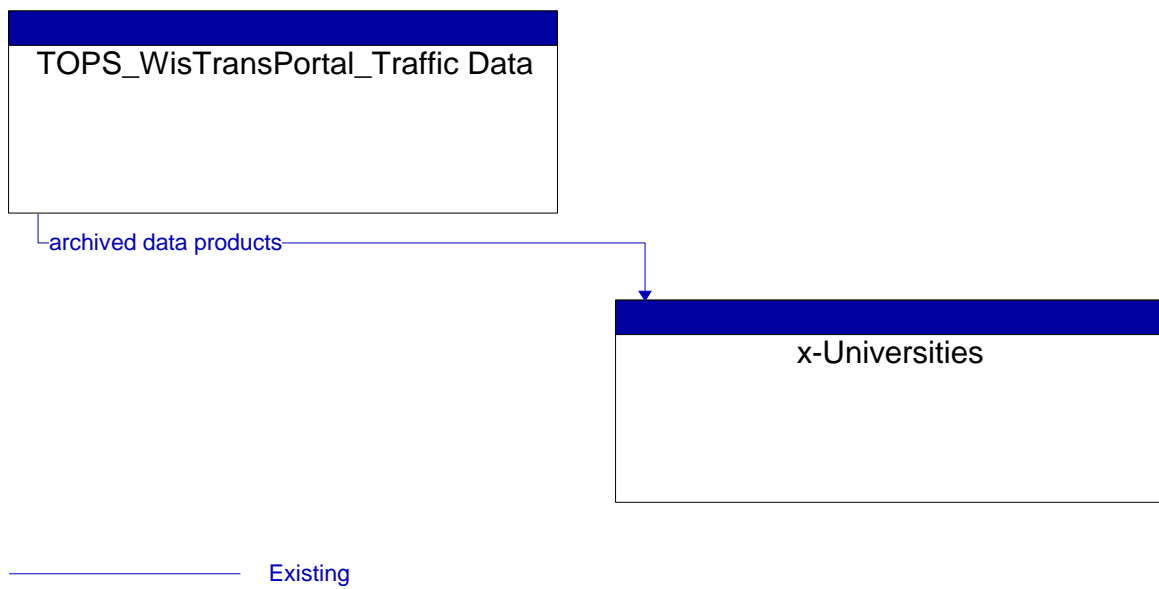


Figure 368: TOPS_WisTransPortal_Traffic Data - x-Universities Interface

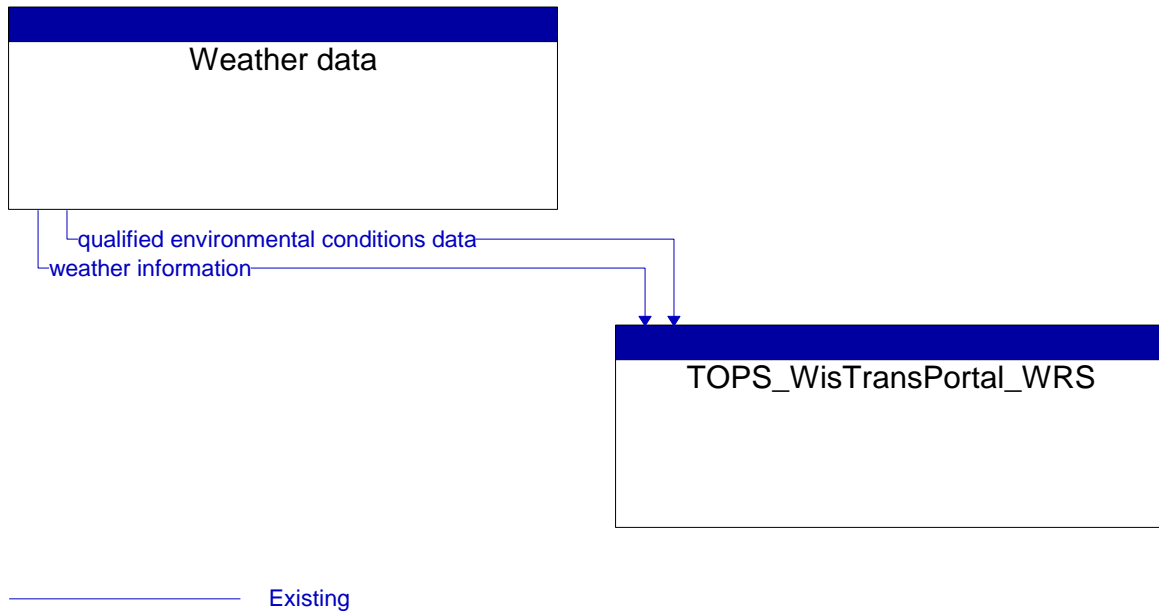


Figure 369: TOPS_WisTransPortal_WRS - Weather data Interface

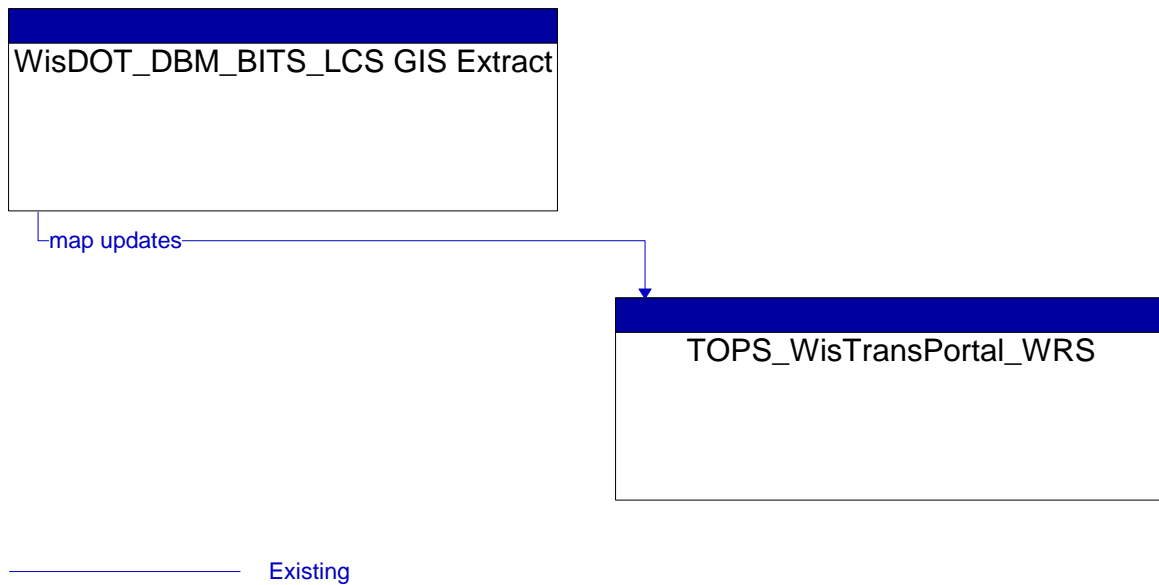


Figure 370: TOPS_WisTransPortal_WRS - WisDOT_DBM_BITS_LCS GIS Extract Interface

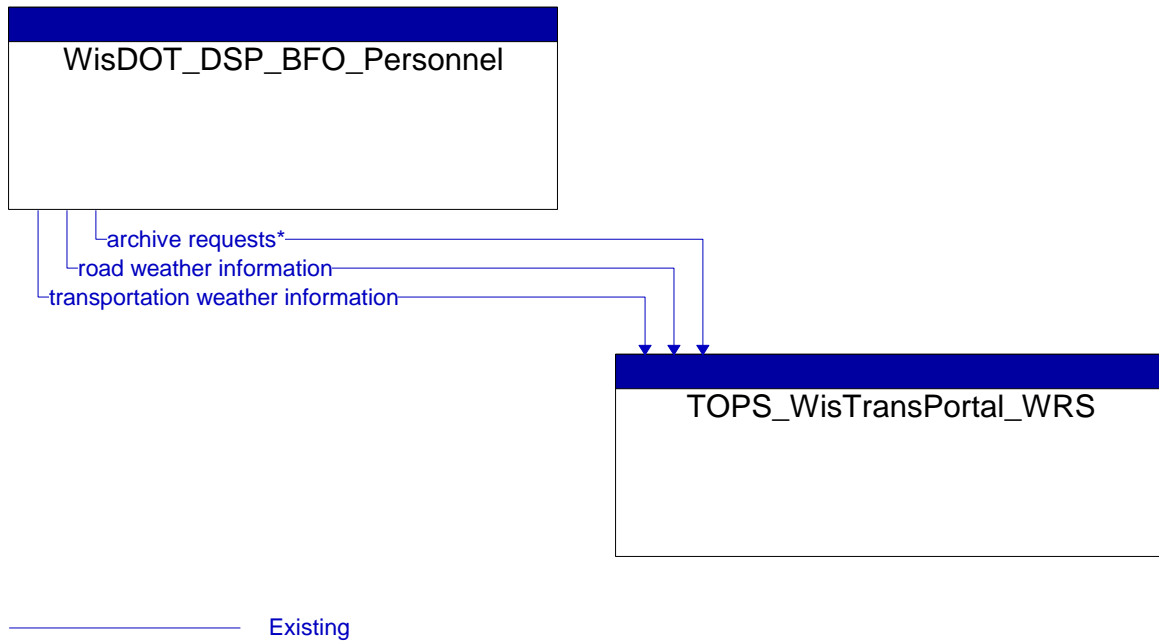


Figure 371: TOPS_WisTransPortal_WRS - WisDOT_DSP_BFO_Personnel Interface

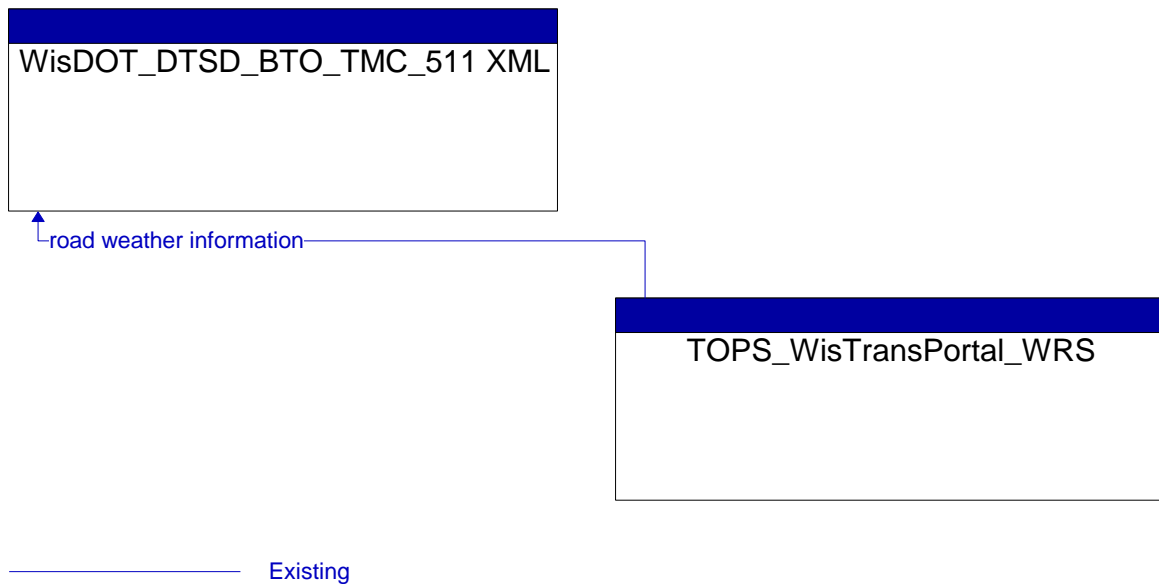


Figure 372: TOPS_WisTransPortal_WRS - WisDOT_DTSD_BTO_TMC_511 XML Interface

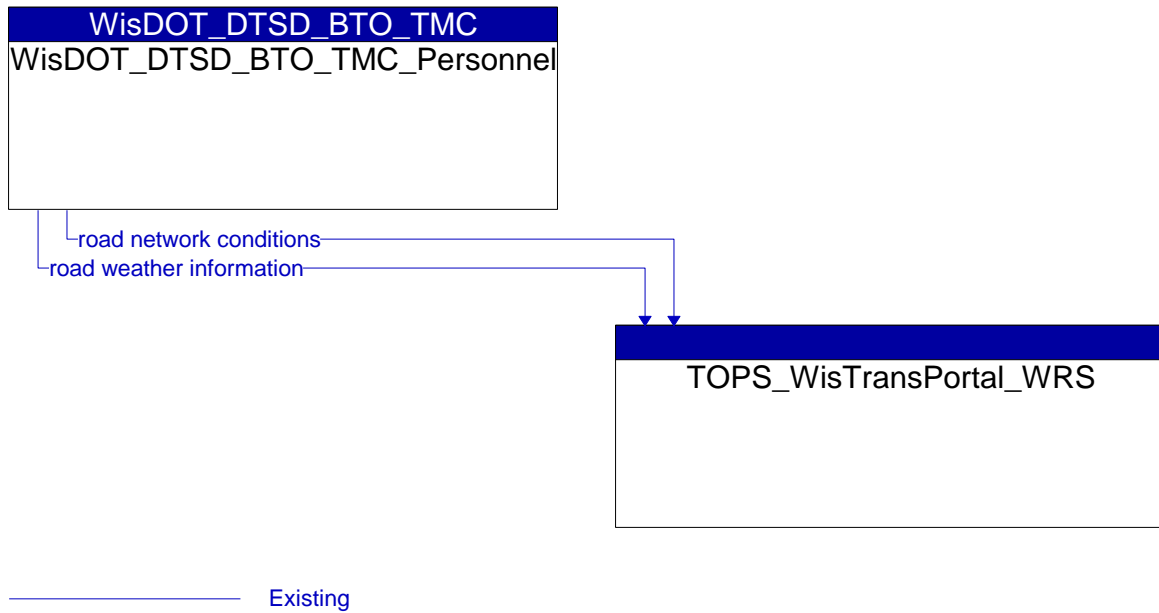


Figure 373: TOPS_WisTransPortal_WRS - WisDOT_DTSD_BTO_TMC_Personnel Interface

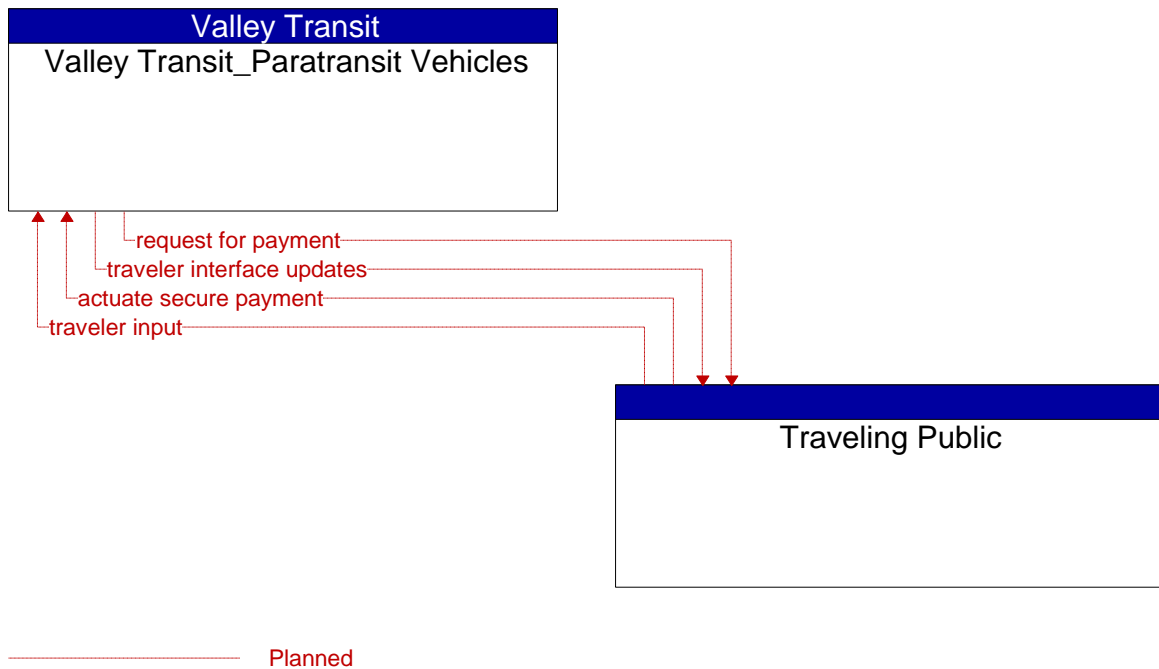


Figure 374: Traveling Public - Valley Transit_Paratransit Vehicles Interface

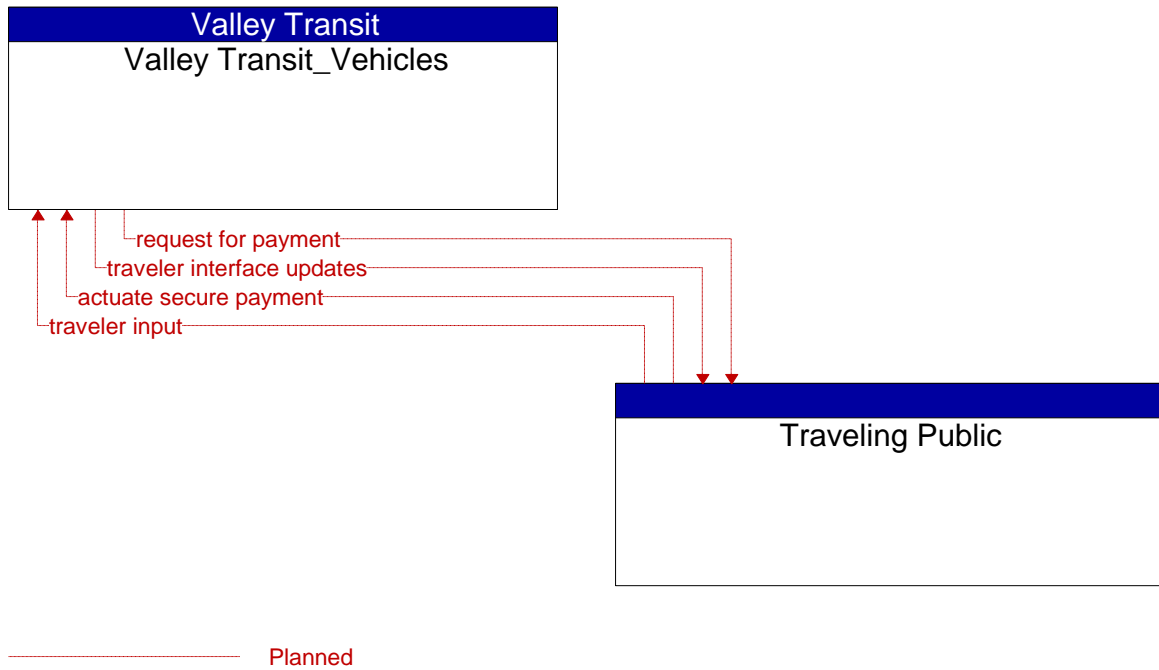


Figure 375: Traveling Public - Valley Transit_Vehicles Interface

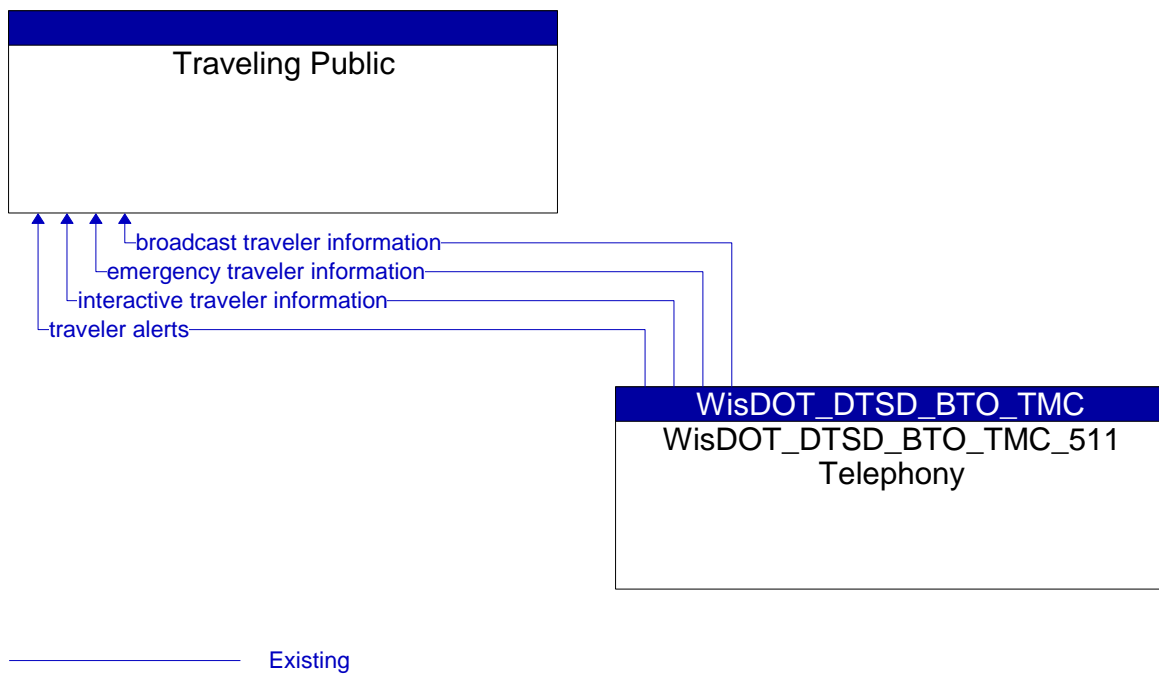


Figure 376: Traveling Public - WisDOT_DTSD_BTO_TMC_511 Telephony Interface

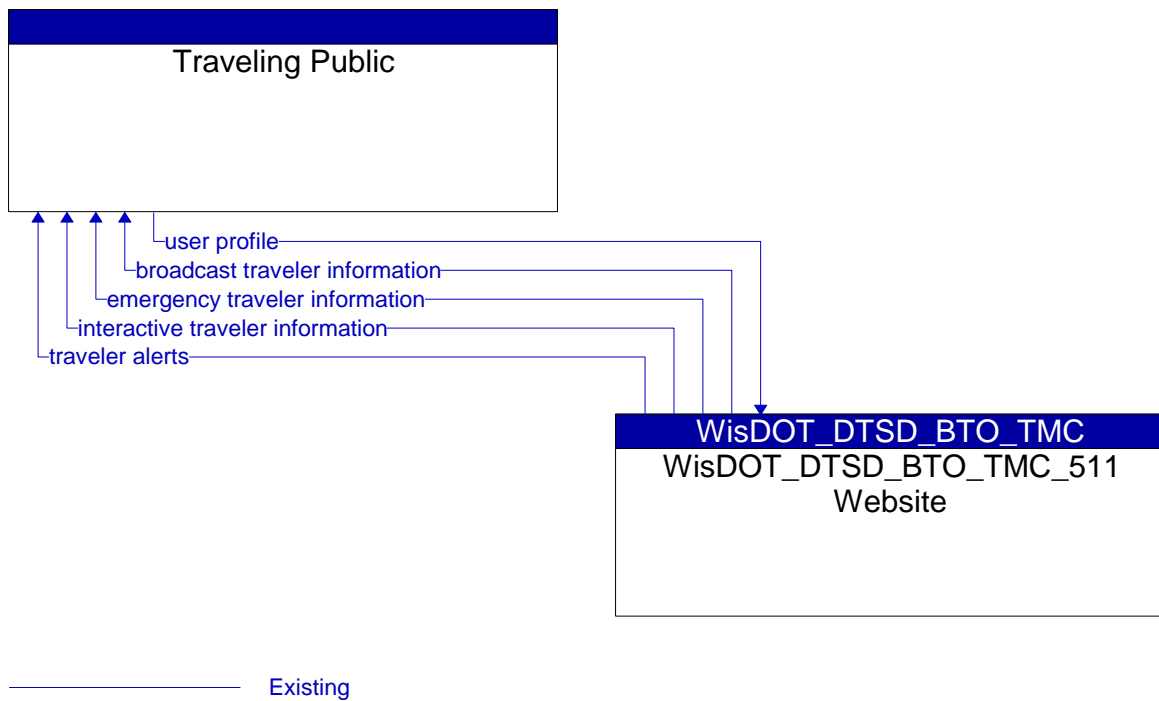


Figure 377: Traveling Public - WisDOT_DTSD_BTO_TMC_511 Website Interface

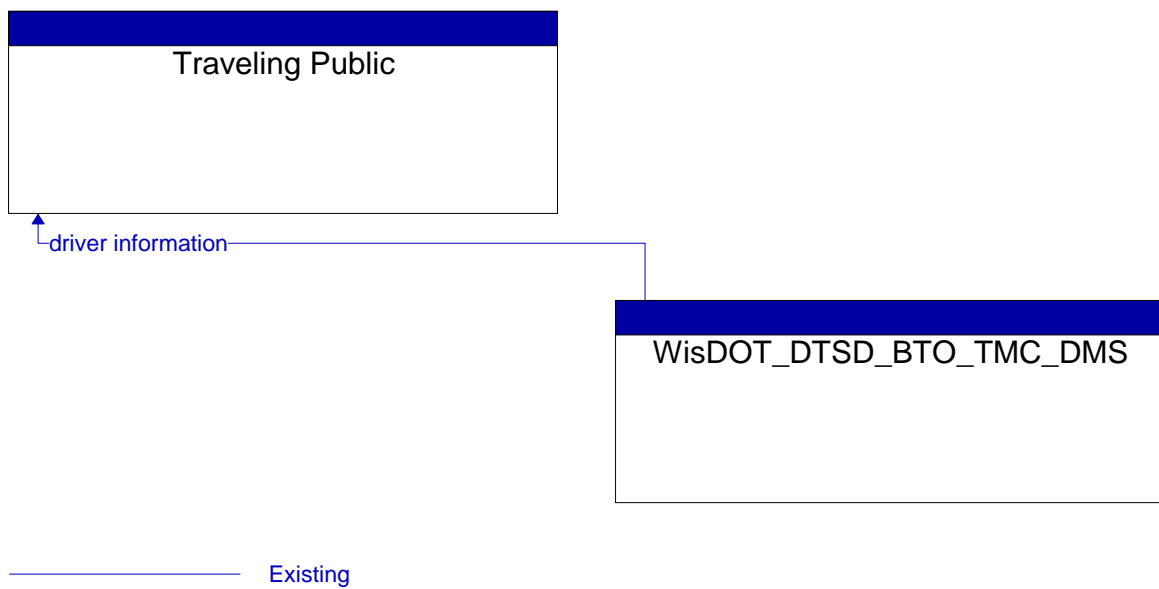


Figure 378: Traveling Public - WisDOT_DTSD_BTO_TMC_DMS Interface

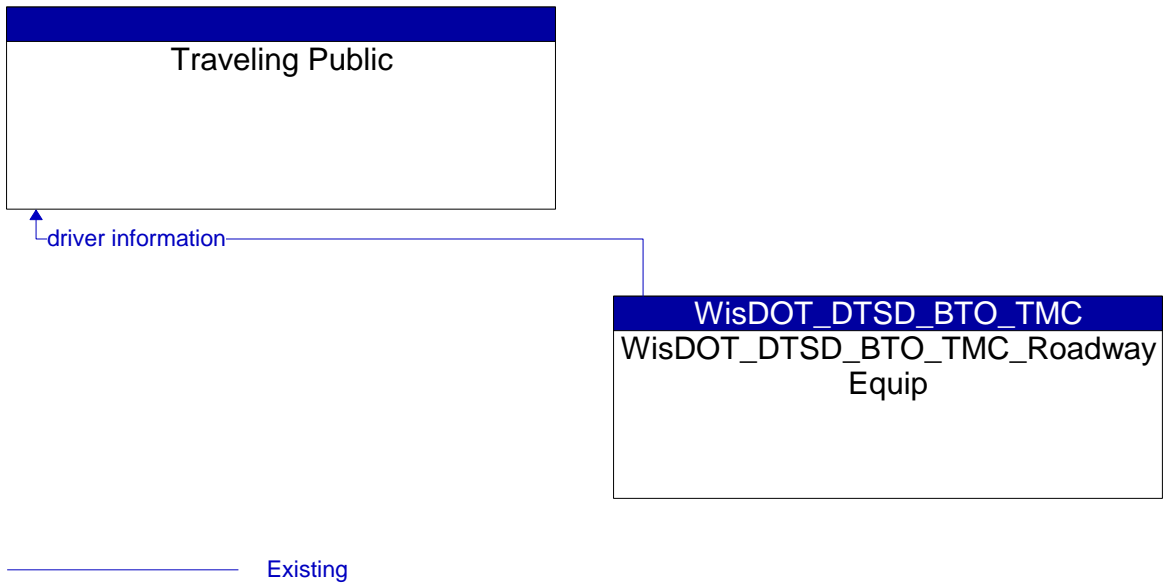


Figure 379: Traveling Public - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

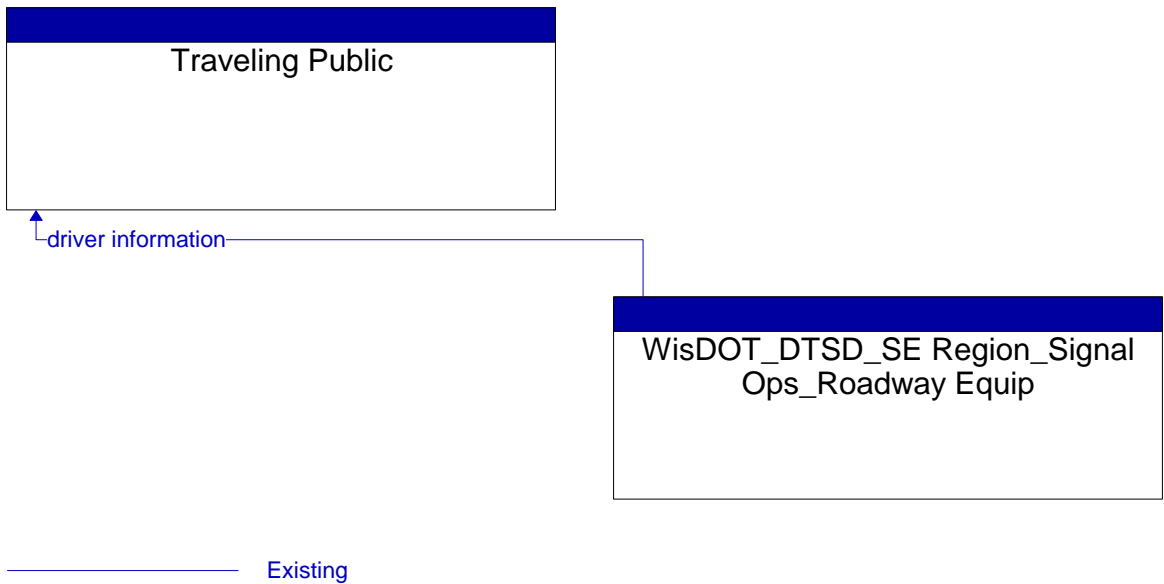


Figure 380: Traveling Public - WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip Interface

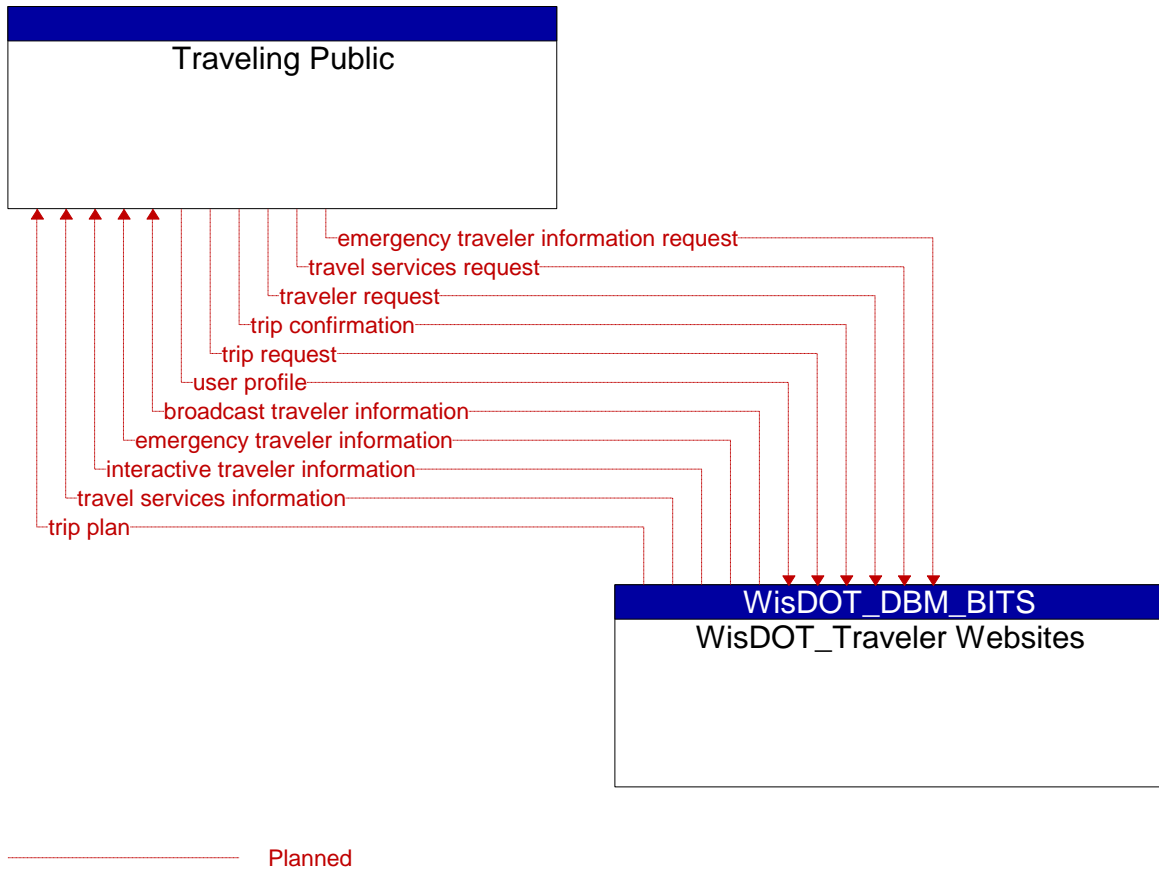
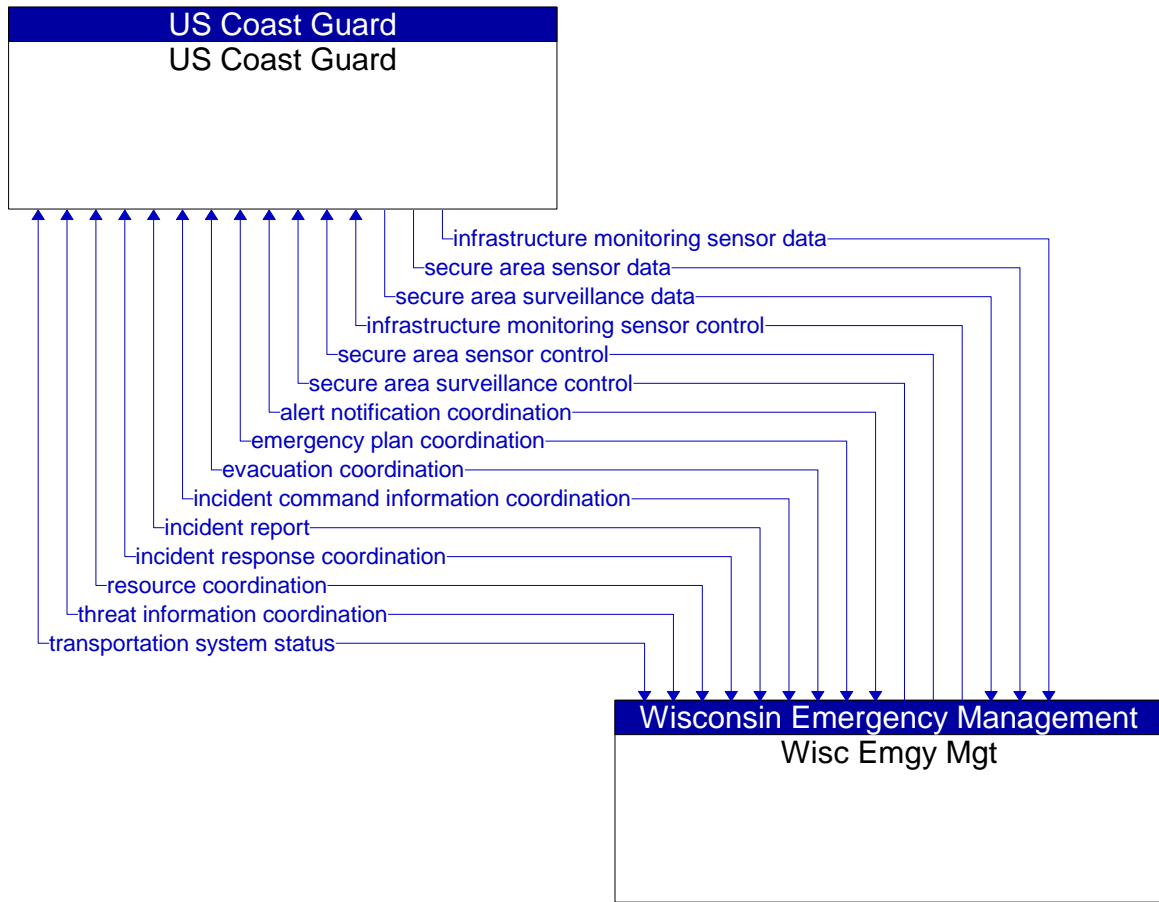


Figure 381: Traveling Public - WisDOT_Traveler Websites Interface



Existing

Figure 382: US Coast Guard - Wisc Emgy Mgt Interface

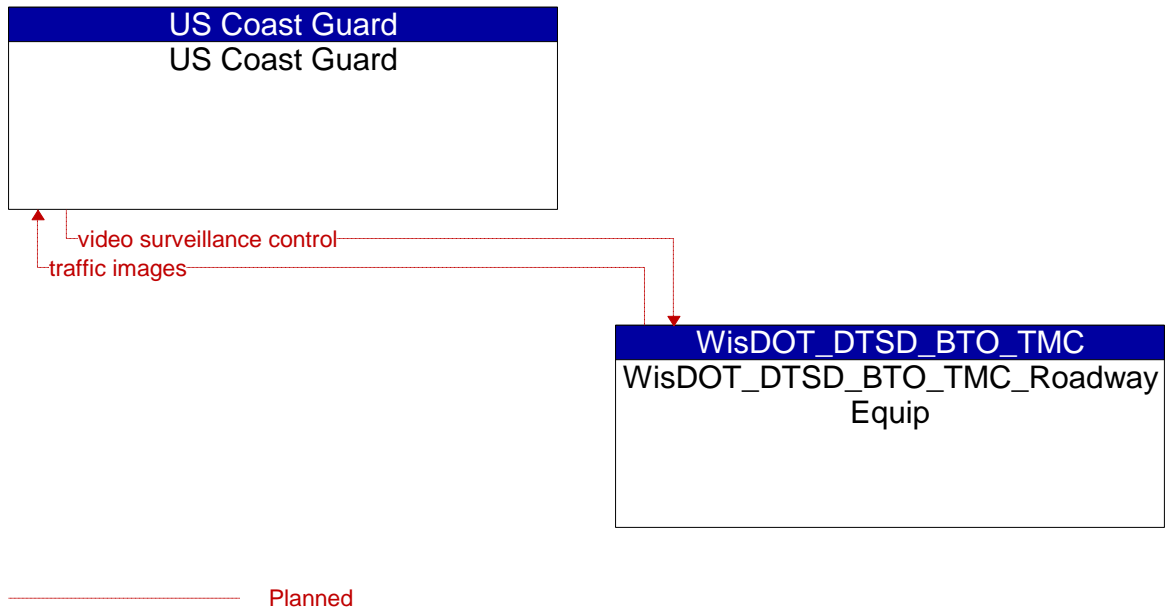


Figure 383: US Coast Guard - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

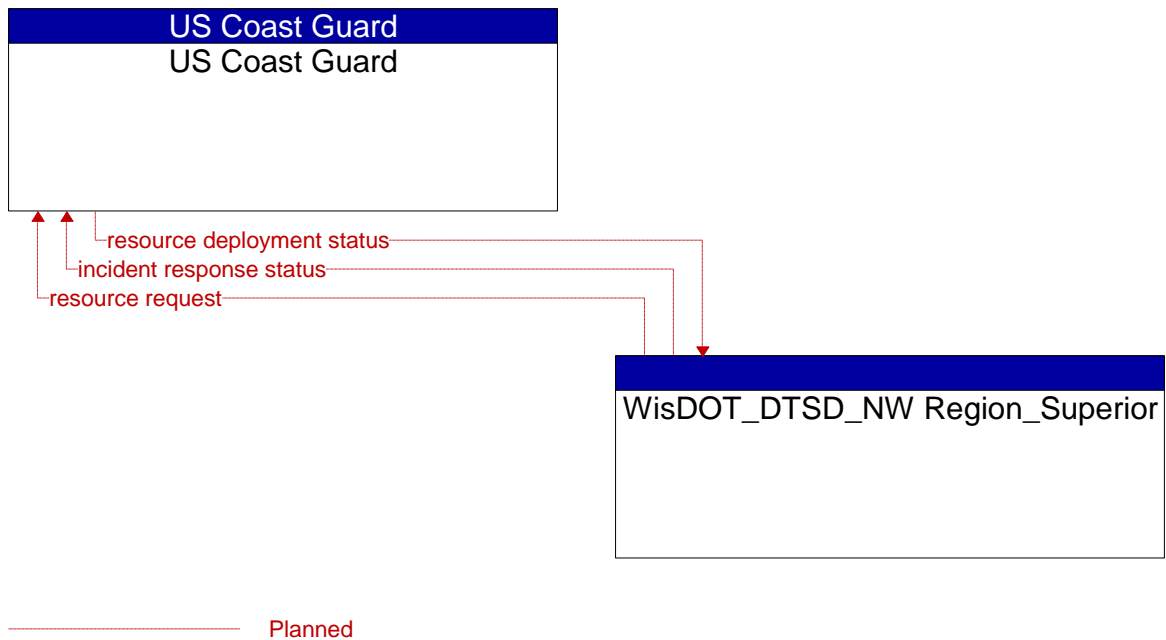


Figure 384: US Coast Guard - WisDOT_DTSD_NW Region_Superior Interface

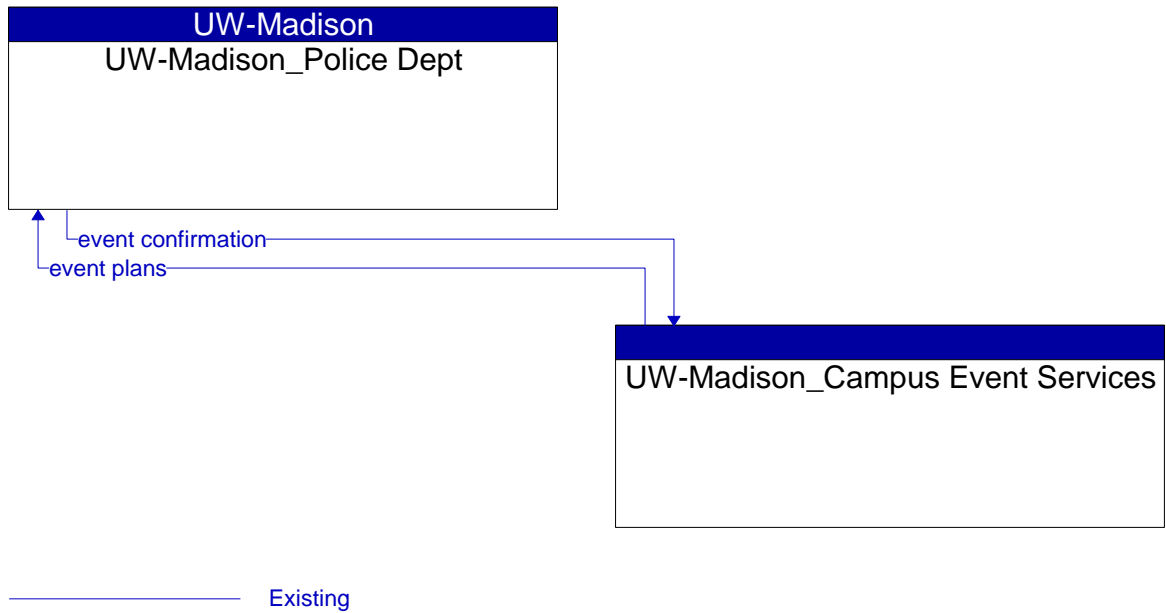


Figure 385: UW-Madison_Campus Event Services - UW-Madison_Police Dept Interface

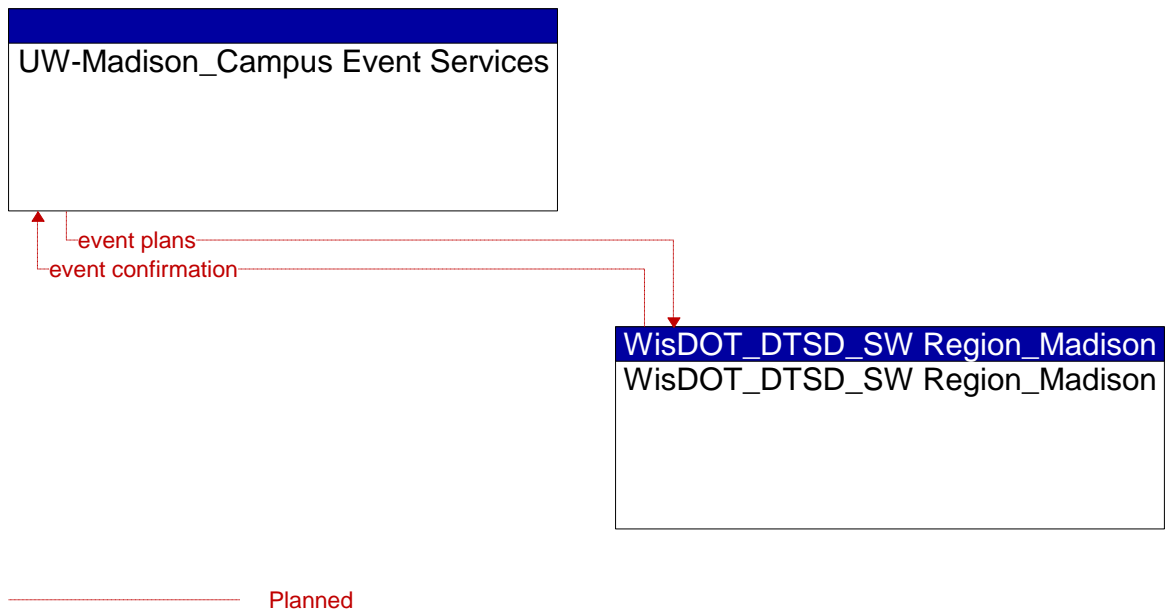


Figure 386: UW-Madison_Campus Event Services - WisDOT_DTSD_SW Region_Madison Interface

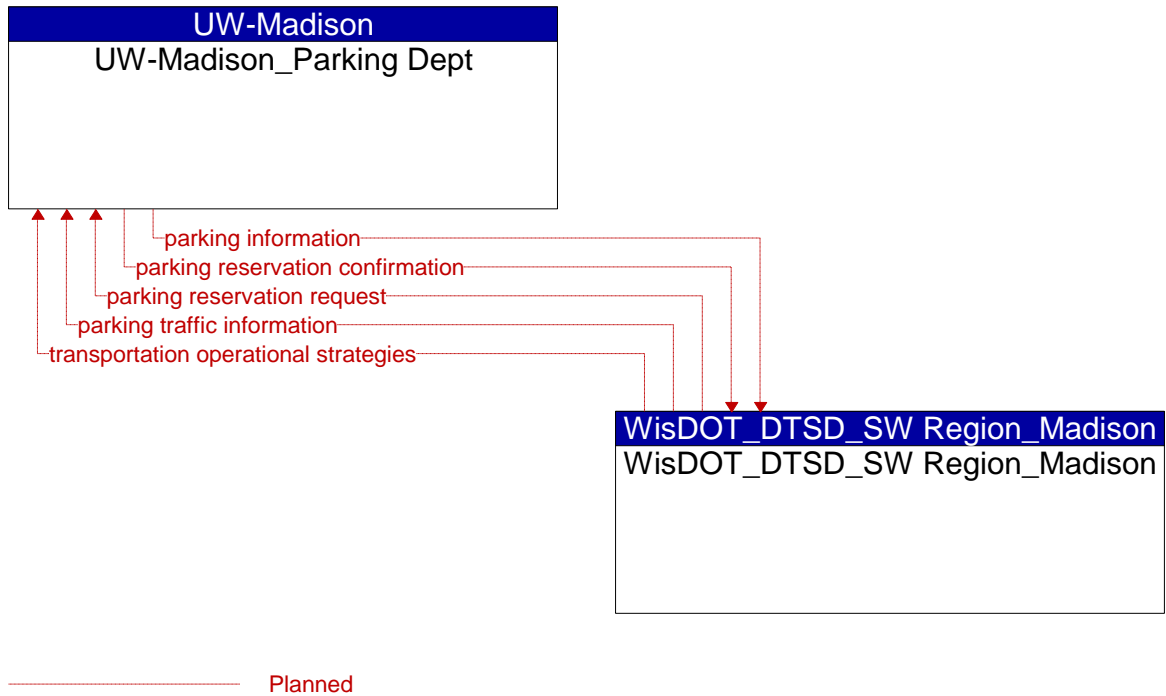


Figure 387: UW-Madison_Parking Dept - WisDOT_DTSD_SW Region_Madison Interface

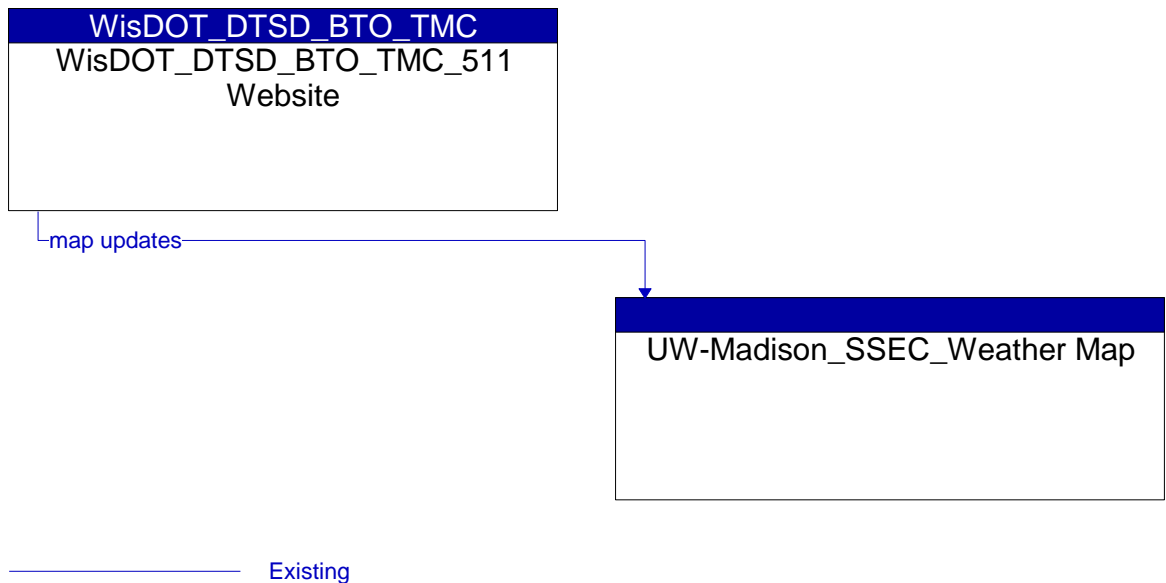


Figure 388: UW-Madison_SSEC_Weather Map - WisDOT_DTSD_BTO_TMC_511 Website Interface

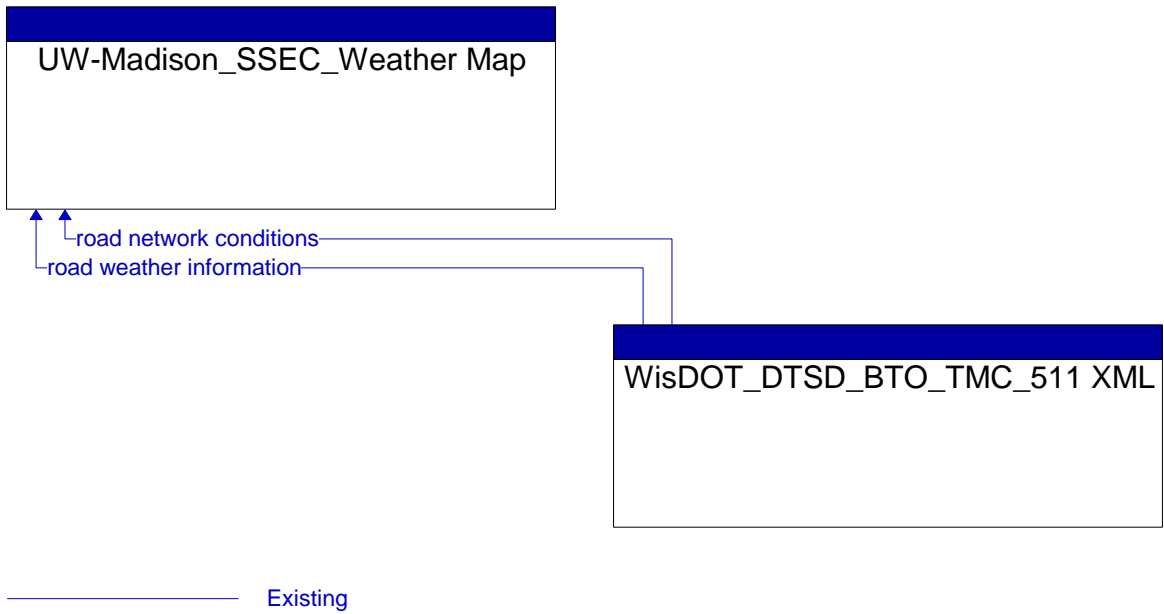


Figure 389: UW-Madison_SSEC_Weather Map - WisDOT_DTSD_BTO_TMC_511 XML Interface

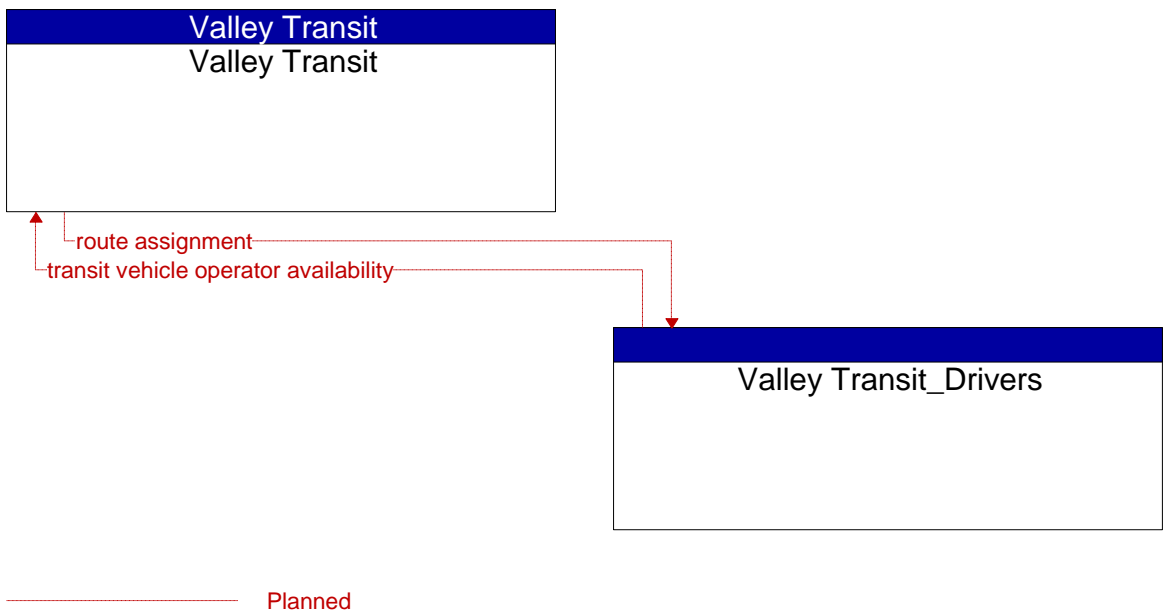


Figure 390: Valley Transit - Valley Transit_Drivers Interface

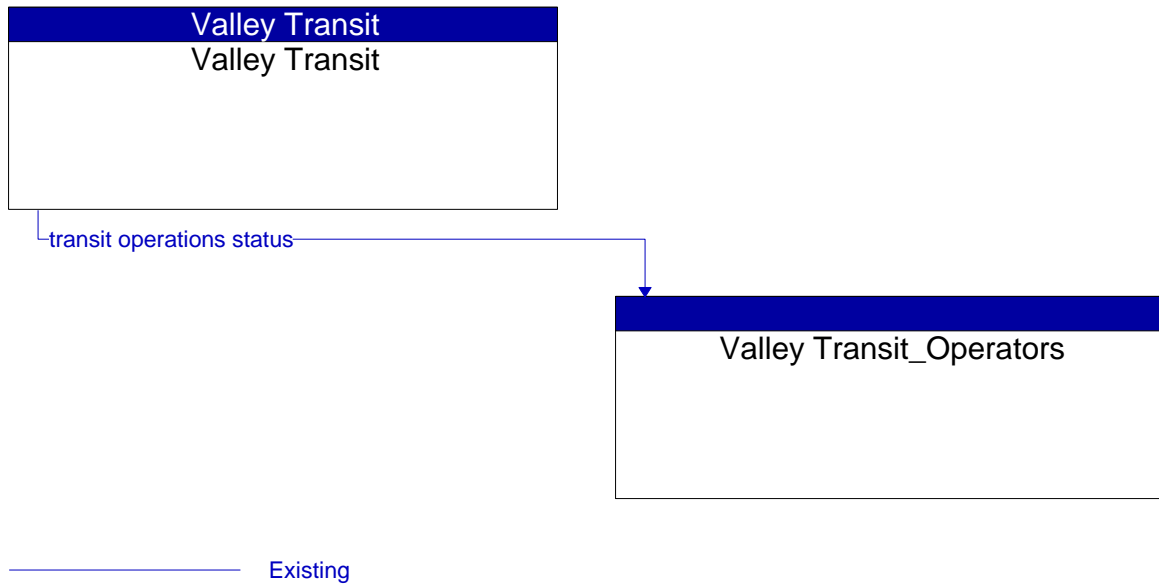


Figure 391: Valley Transit - Valley Transit_Operators Interface

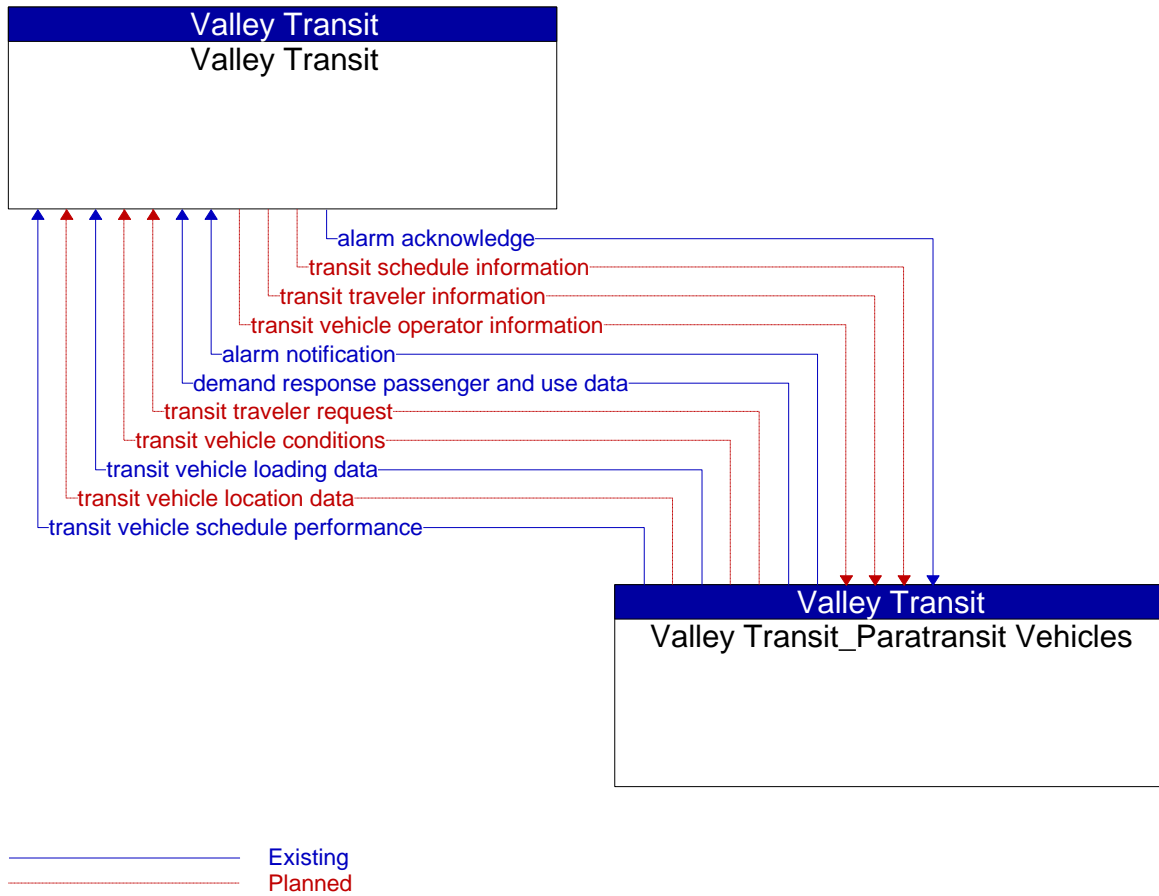


Figure 392: Valley Transit - Valley Transit_Paratransit Vehicles Interface

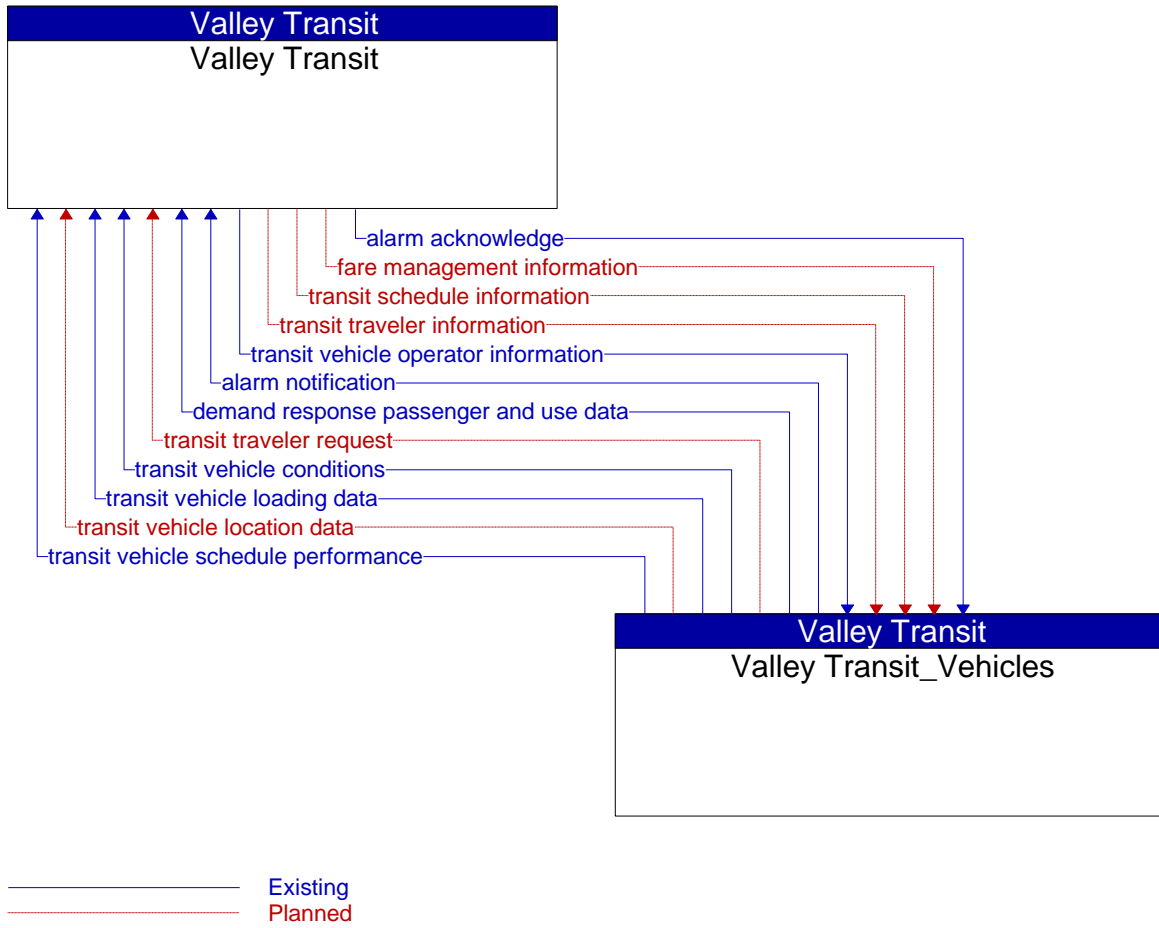


Figure 393: Valley Transit - Valley Transit_Vehicles Interface

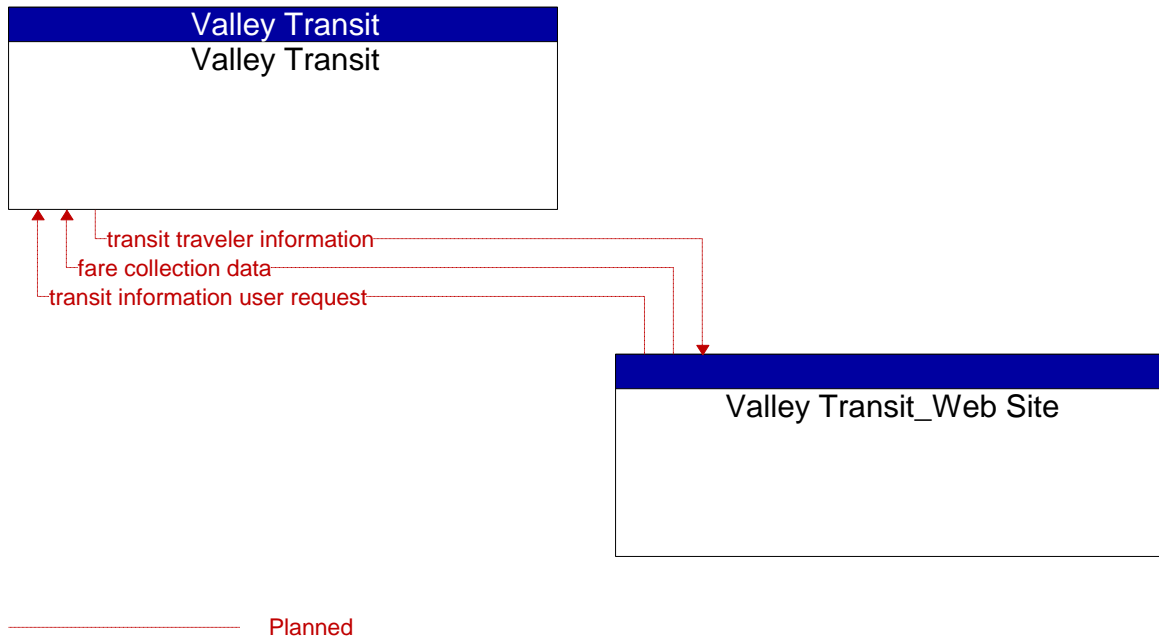


Figure 394: Valley Transit - Valley Transit_Web Site Interface

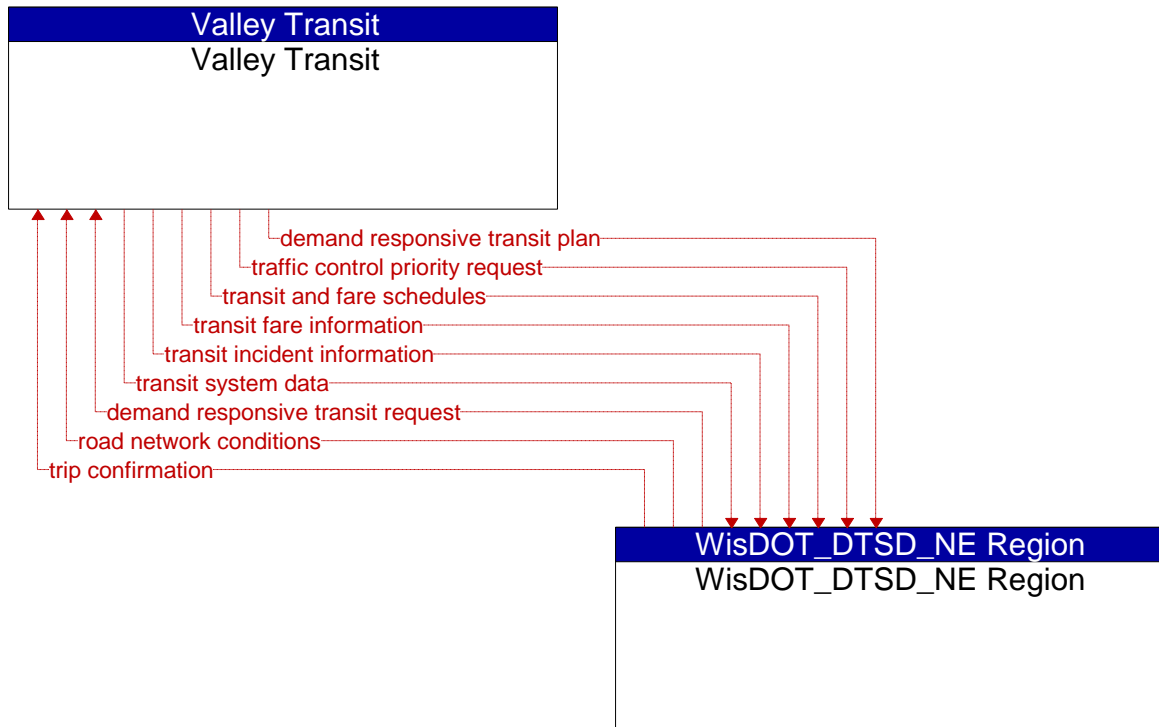


Figure 395: Valley Transit - WisDOT_DTSD_NE Region Interface

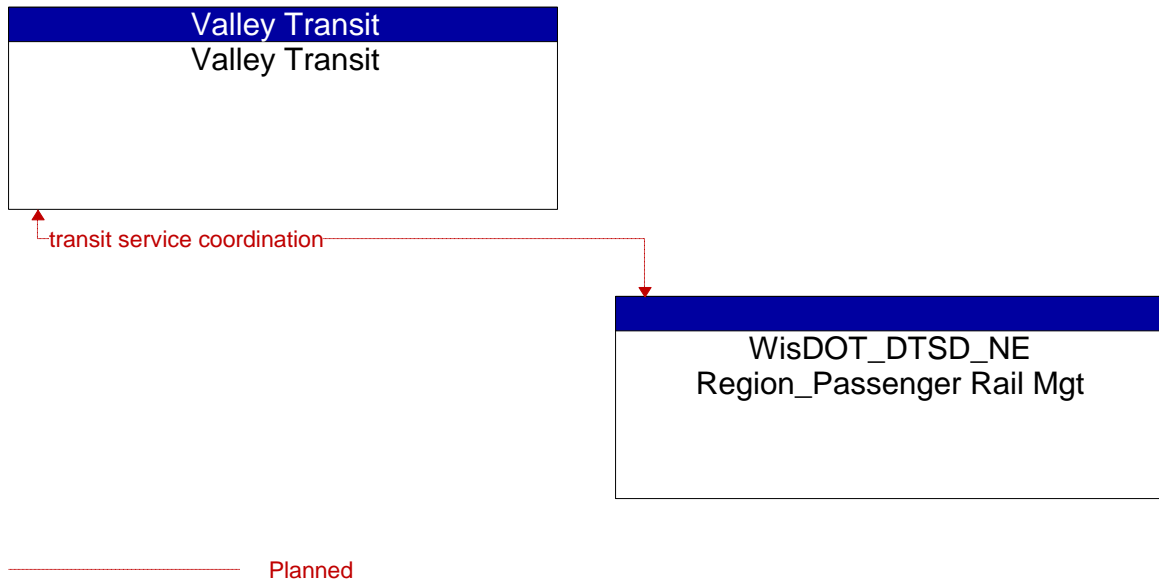


Figure 396: Valley Transit - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface

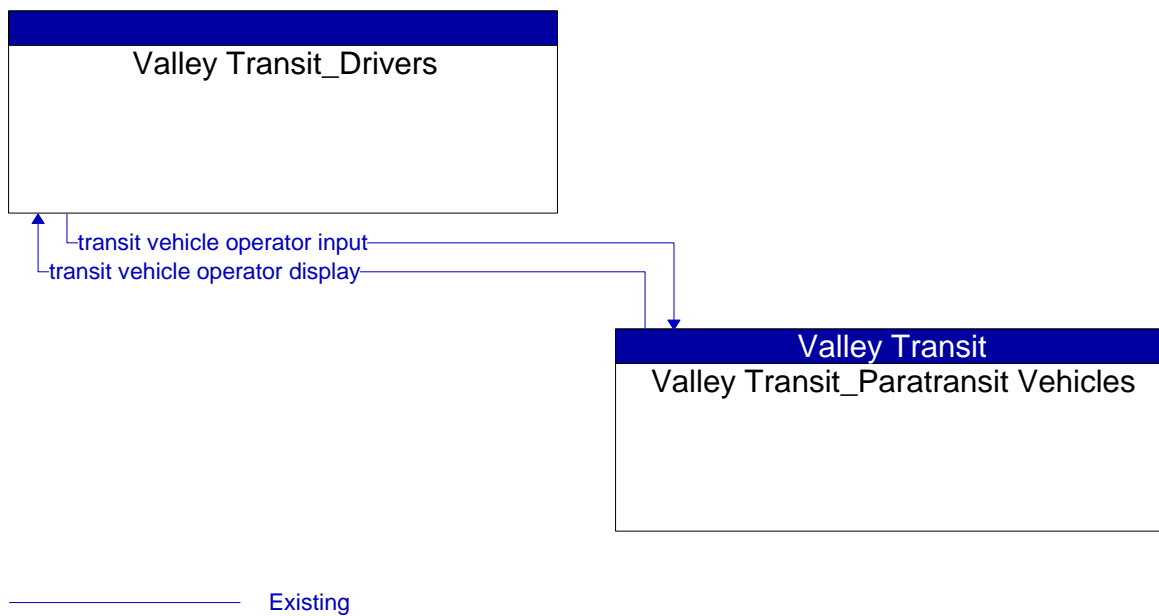


Figure 397: Valley Transit_Drivers - Valley Transit_Partransit Vehicles Interface

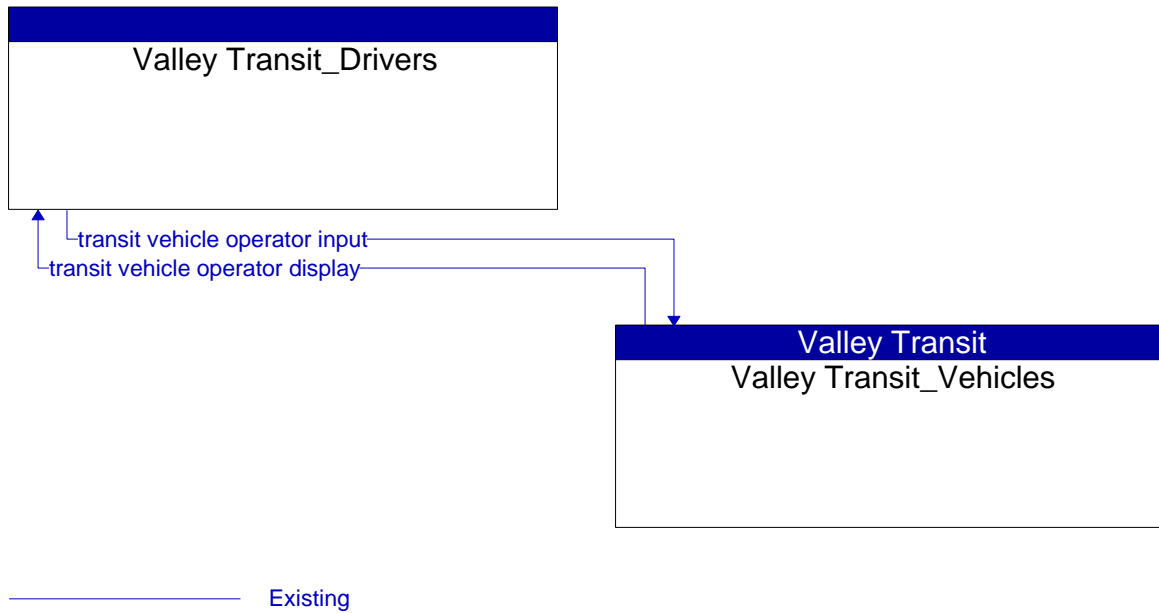


Figure 398: Valley Transit_Drivers - Valley Transit_Vehicles Interface

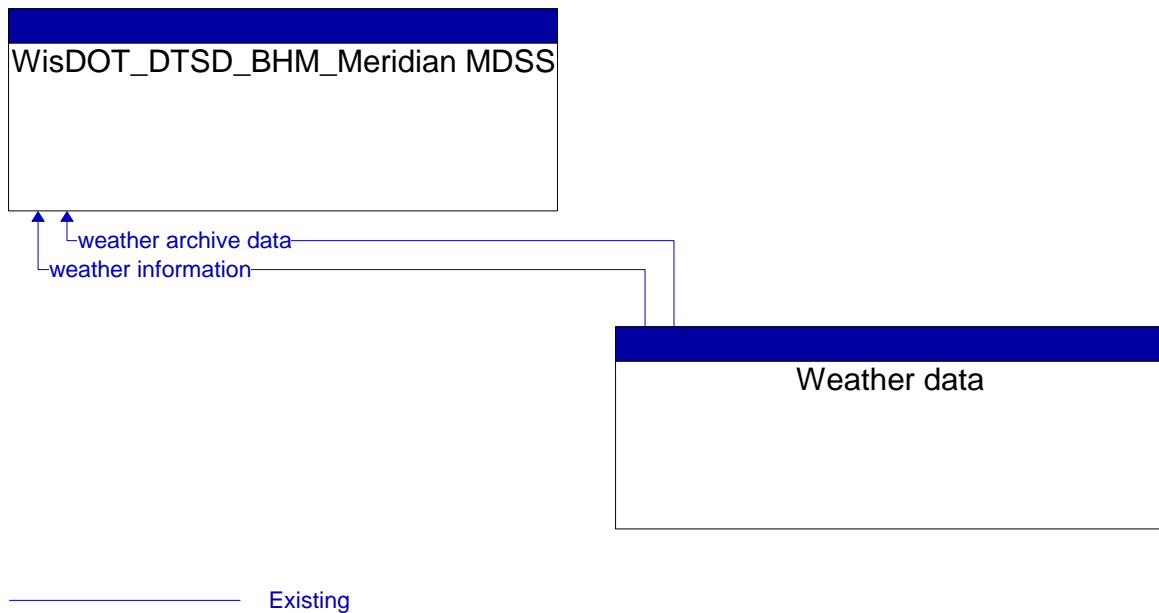


Figure 399: Weather data - WisDOT_DTSD_BHM_Meridian MDSS Interface

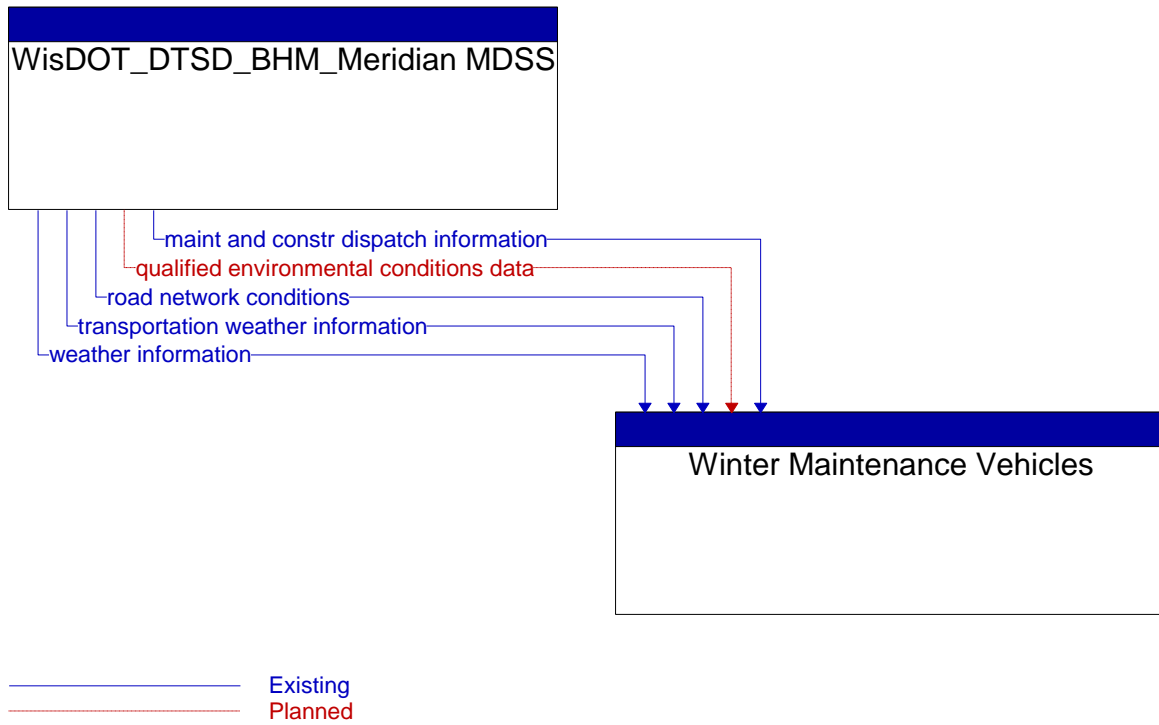


Figure 400: Winter Maintenance Vehicles - WisDOT_DTSD_BHM_Meridian MDSS Interface

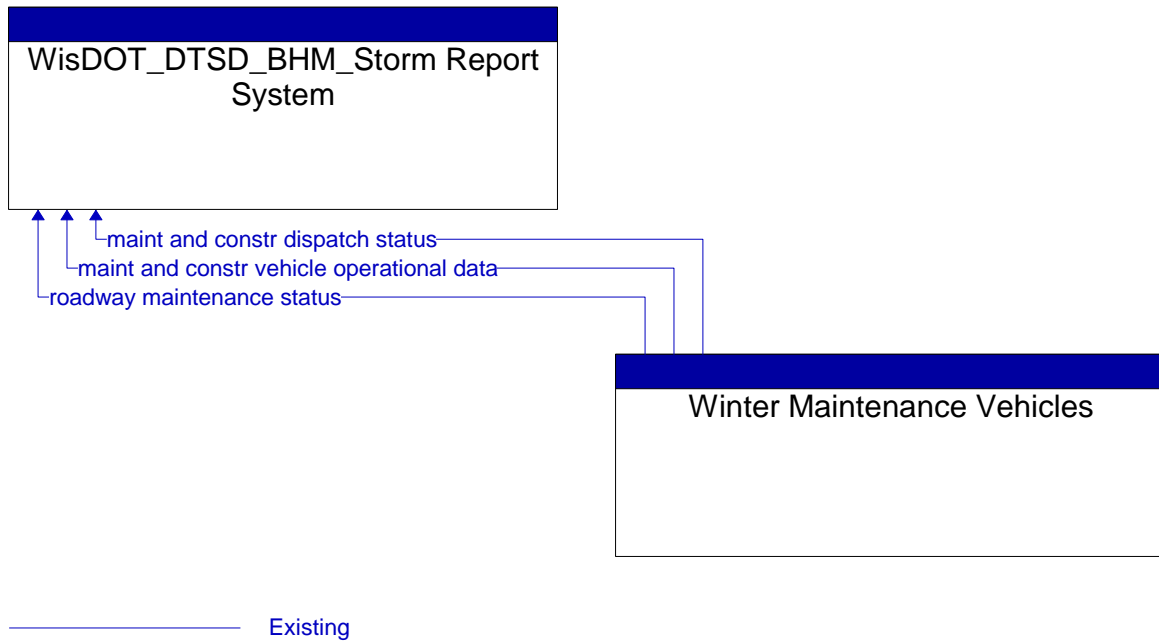


Figure 401: Winter Maintenance Vehicles - WisDOT_DTSD_BHM_Storm Report System Interface

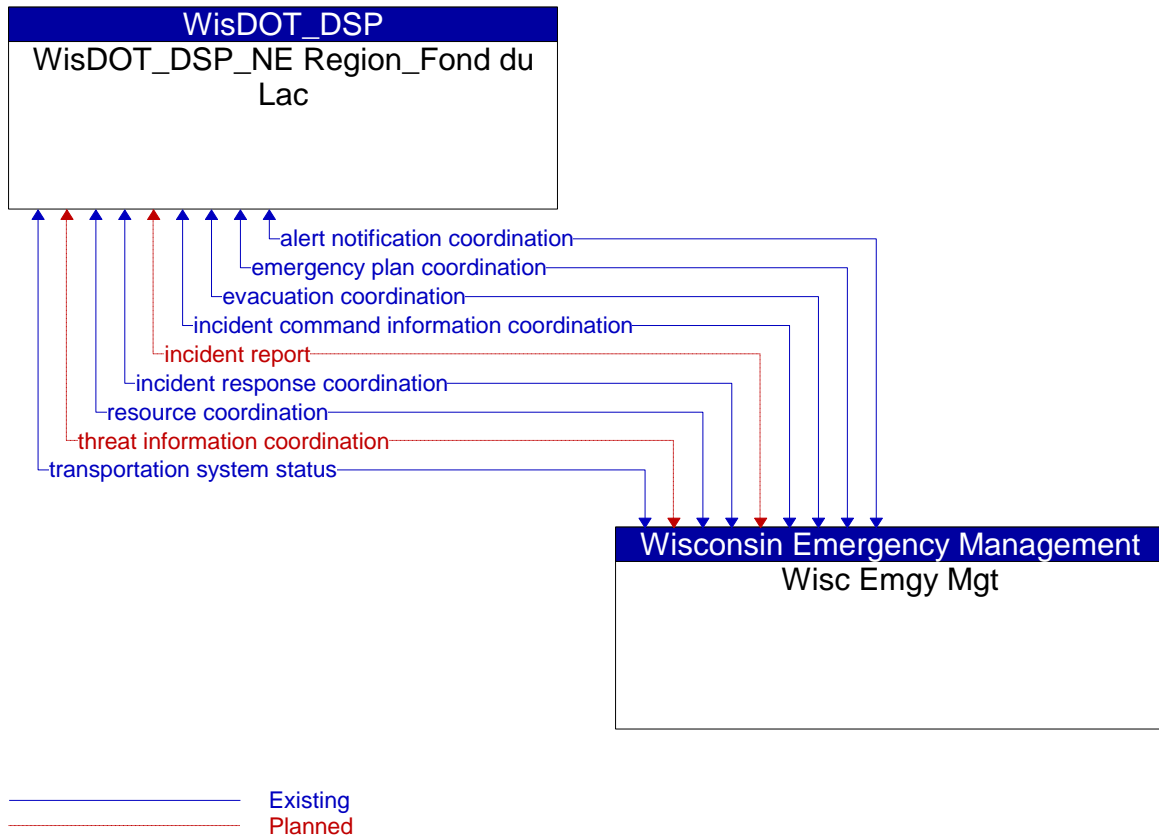


Figure 402: Wisc Emgy Mgt - WisDOT_DSP_NE Region_Fond du Lac Interface

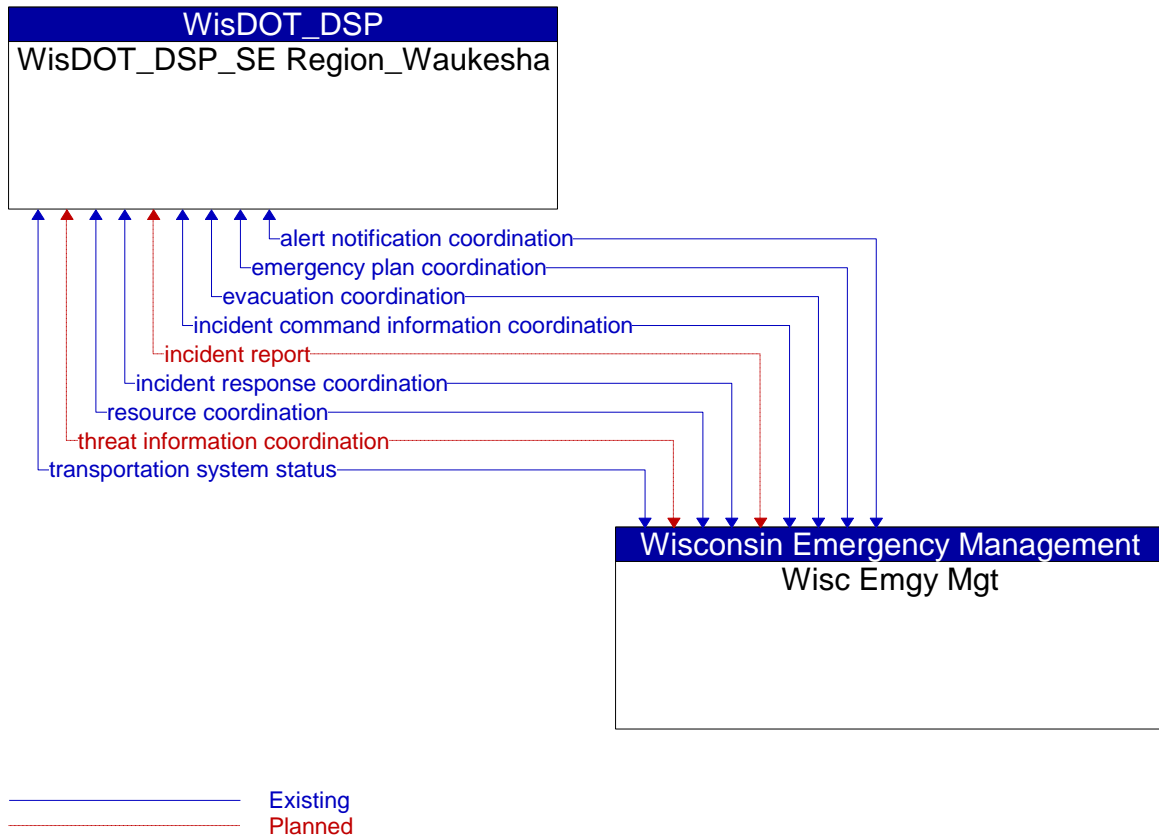


Figure 403: Wisc Emgy Mgt - WisDOT_DSP_SE Region_Waukesha Interface

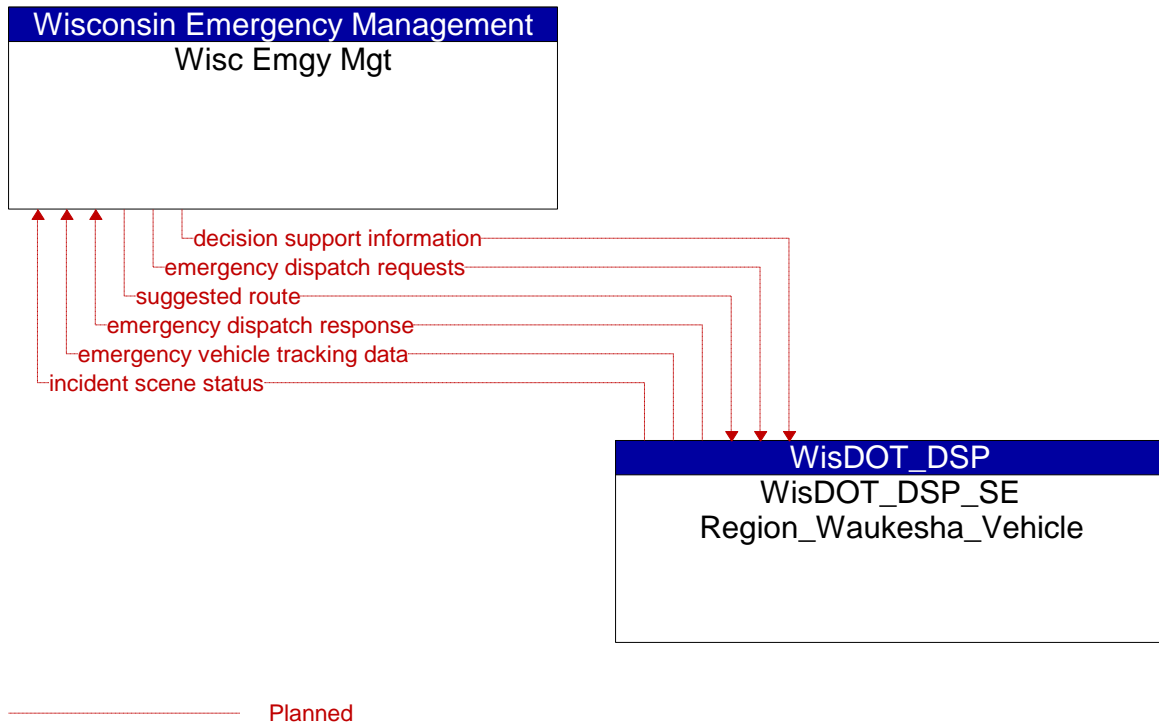


Figure 404: Wisc Emgy Mgt - WisDOT_DSP_SE Region_Waukesha_Vehicle Interface

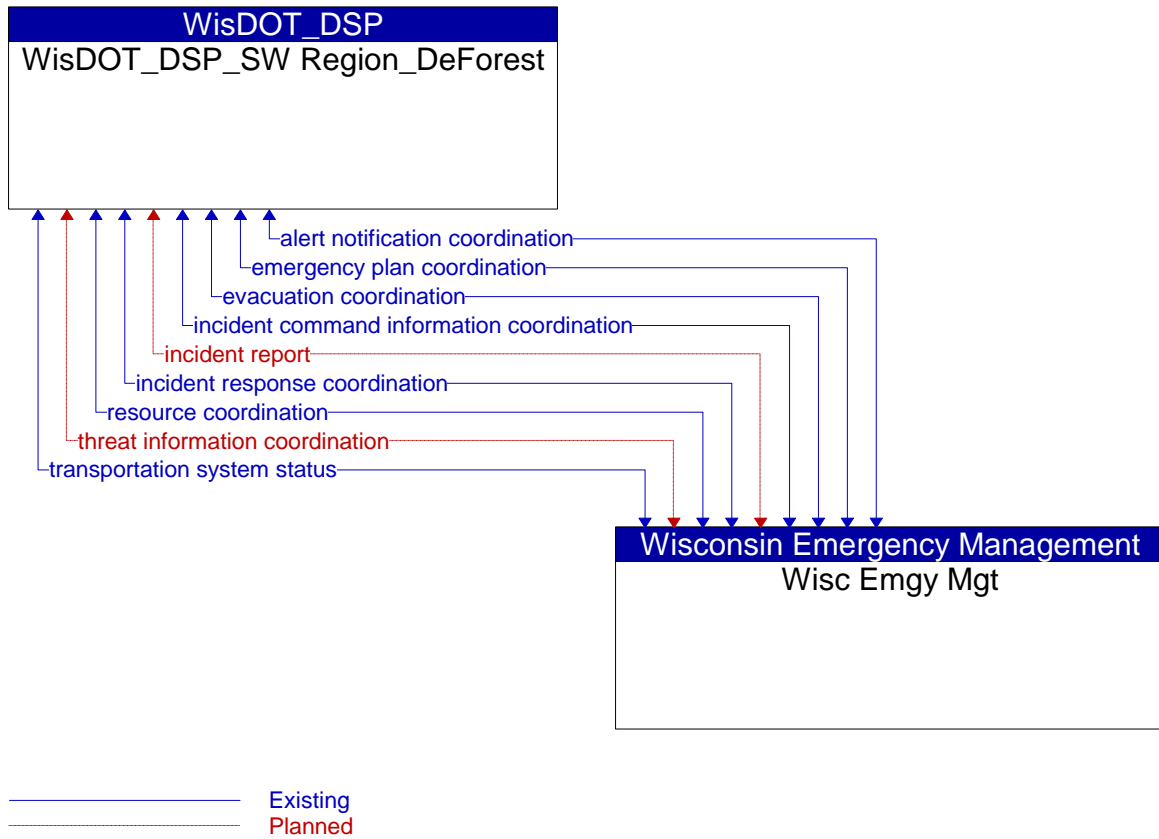


Figure 405: Wisc Emgy Mgt - WisDOT_DSP_SW Region_DeForest Interface

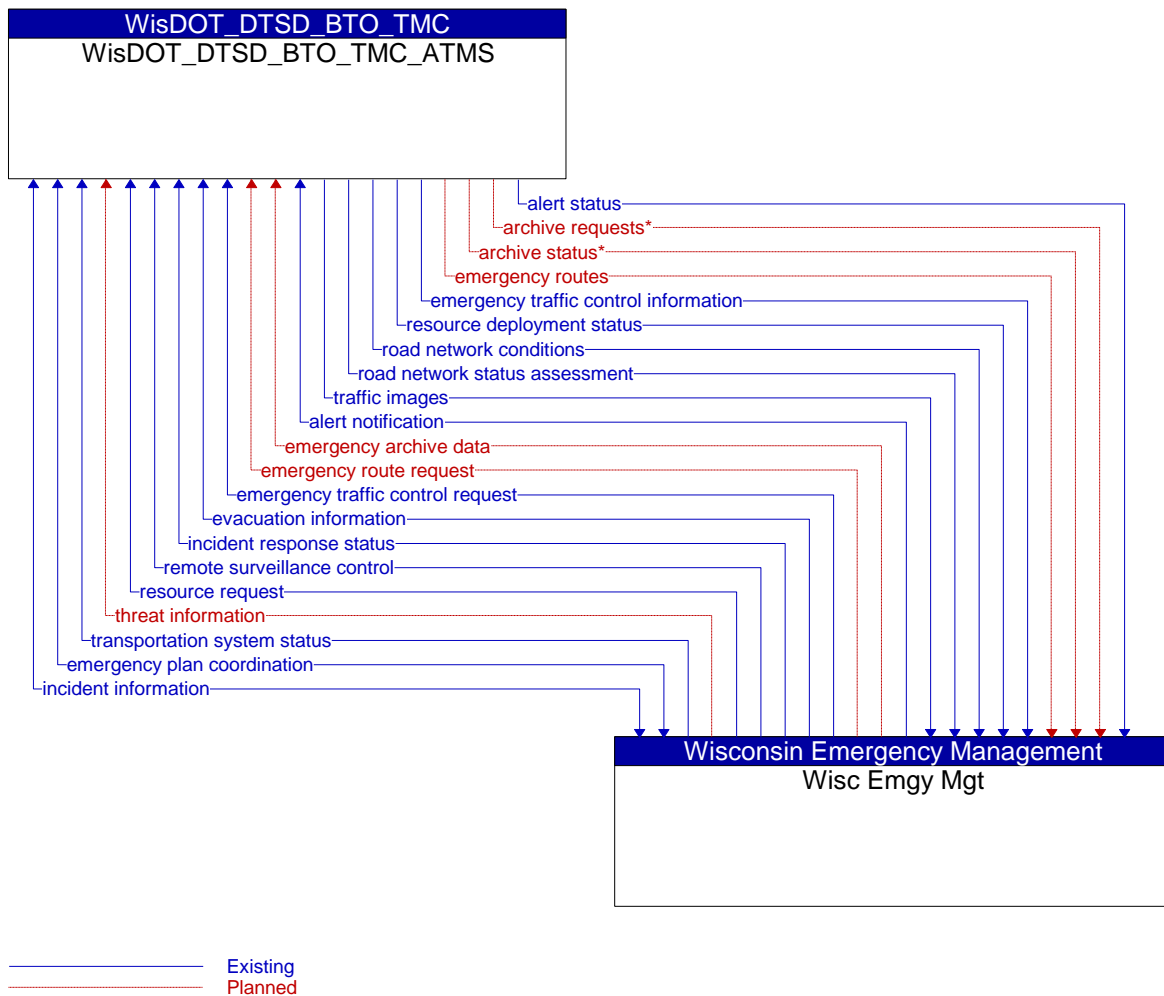


Figure 406: Wisc Emgy Mgt - WisDOT_DTSD_BTO_TMC_ATMS Interface

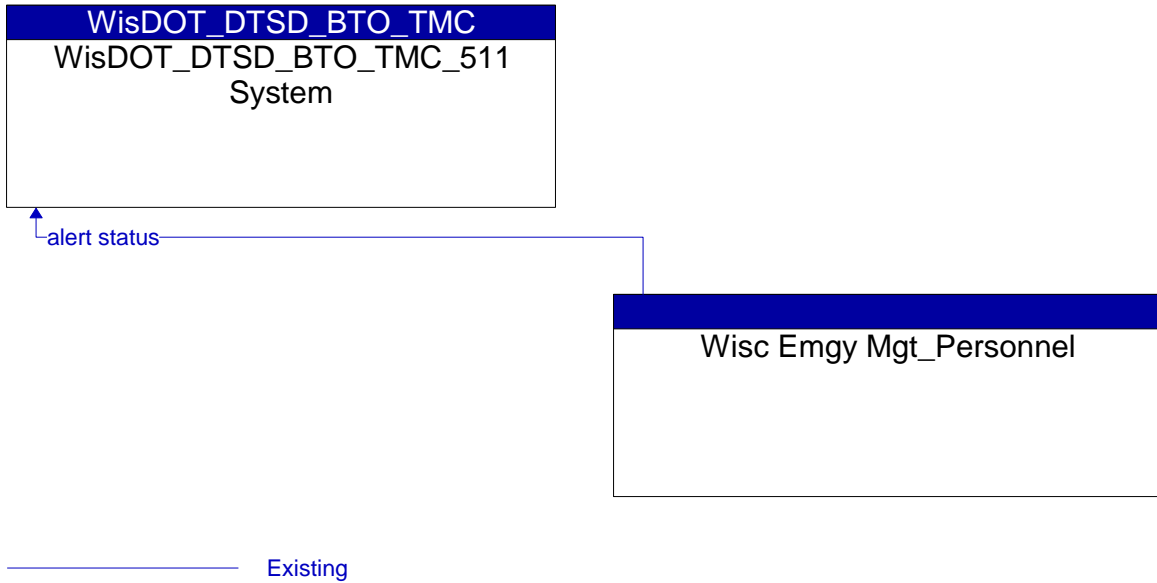


Figure 407: Wisc Emgy Mgt_Personnel - WisDOT_DTSD_BTO_TMC_511 System Interface

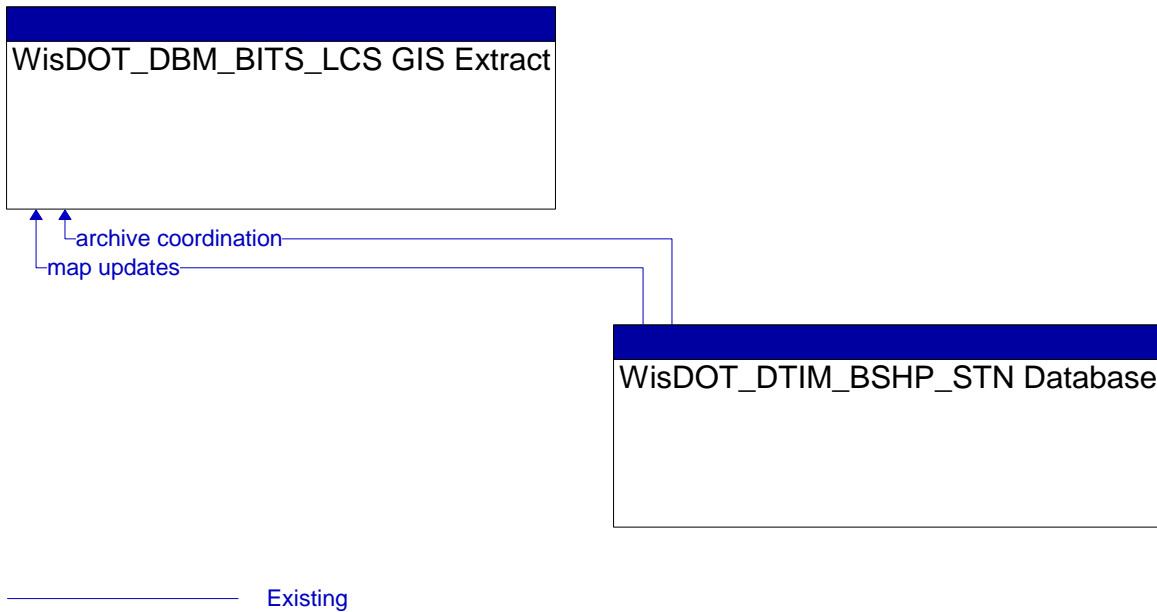


Figure 408: WisDOT_DBM_BITS_LCS GIS Extract - WisDOT_DTIM_BSHP_STN Database Interface

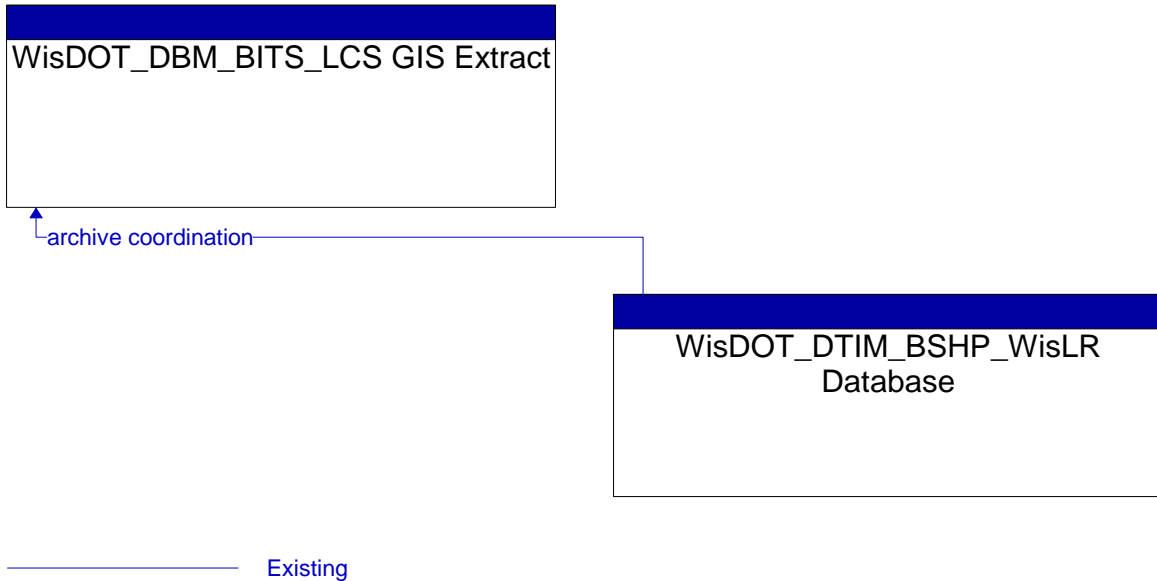


Figure 409: WisDOT_DBM_BITS_LCS GIS Extract - WisDOT_DTIM_BSHP_WisLR Database Interface

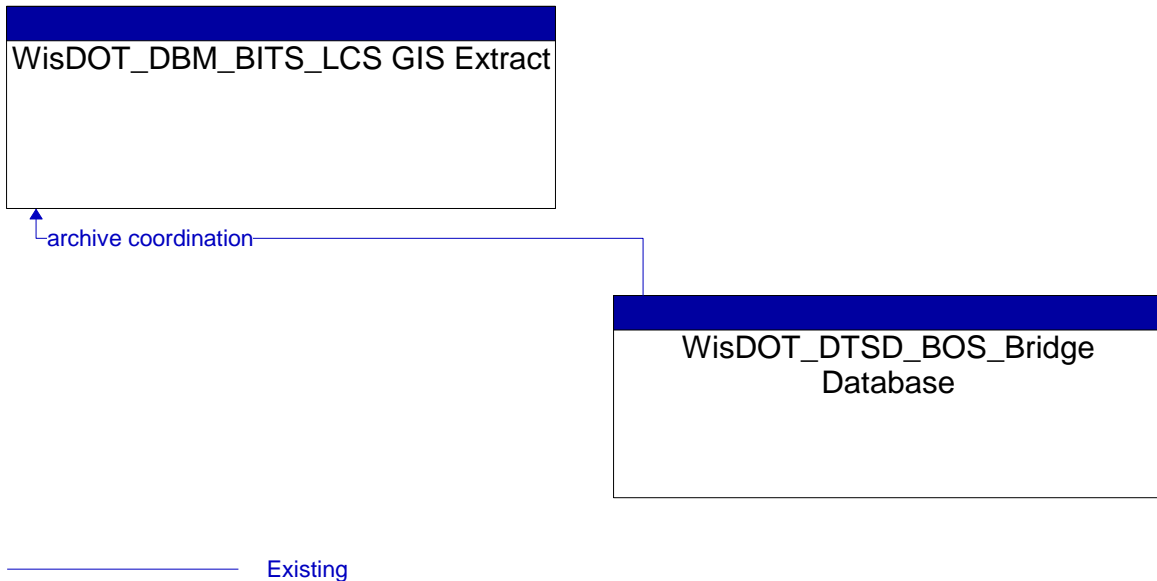


Figure 410: WisDOT_DBM_BITS_LCS GIS Extract - WisDOT_DTSD_BOS_Bridge Database Interface

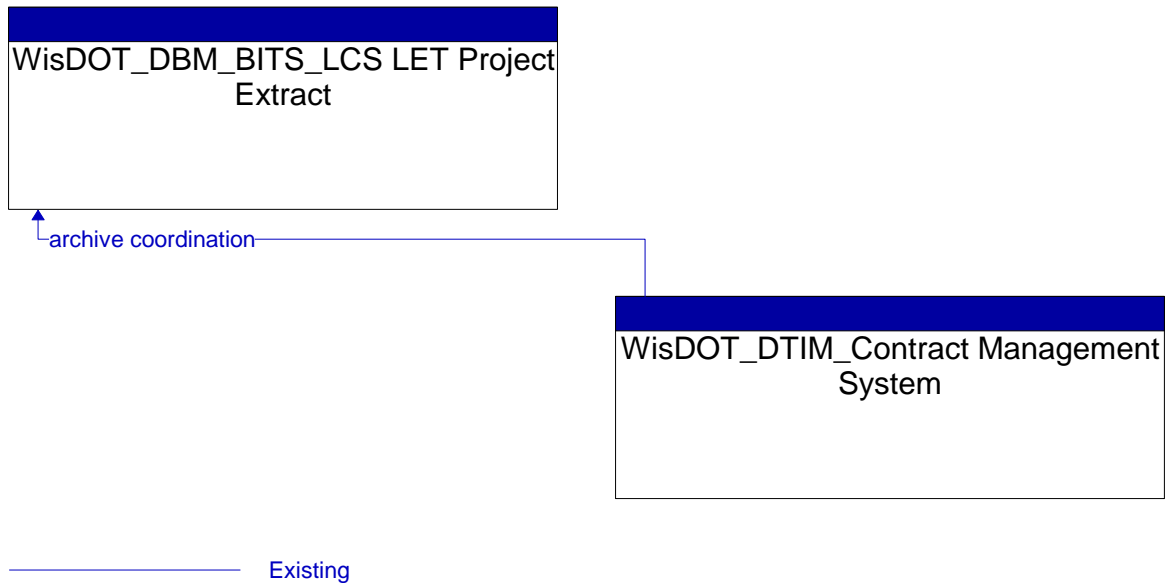


Figure 411: WisDOT_DBM_BITS_LCS LET Project Extract - WisDOT_DTIM_Contract Management System Interface

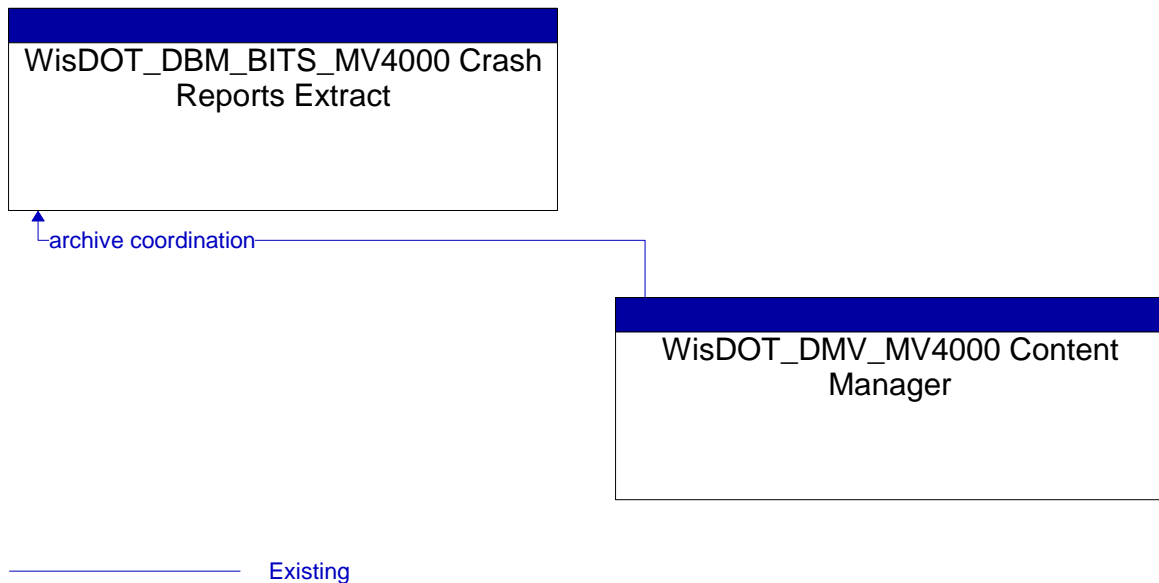


Figure 412: WisDOT_DBM_BITS_MV4000 Crash Reports Extract - WisDOT_DMV_MV4000 Content Manager Interface

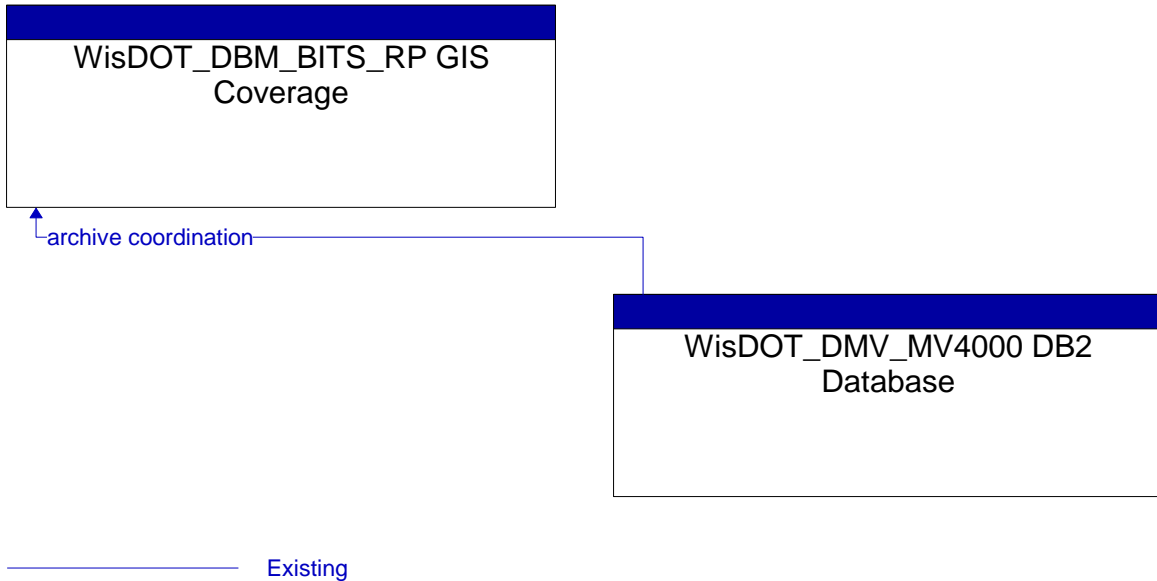


Figure 413: WisDOT_DBM_BITS_RP GIS Coverage - WisDOT_DMV_MV4000 DB2 Database Interface

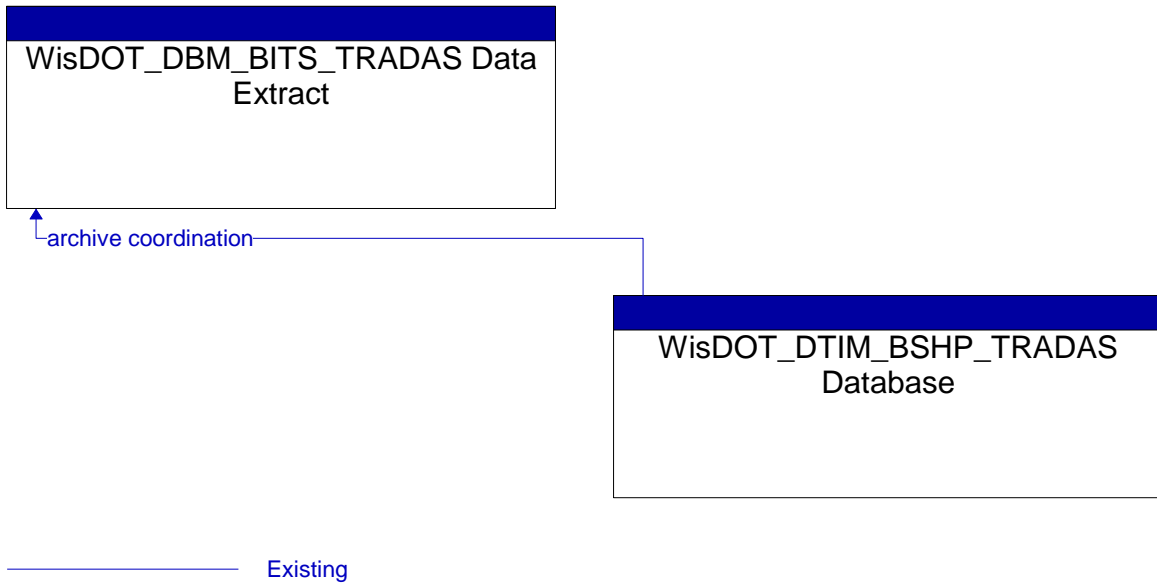
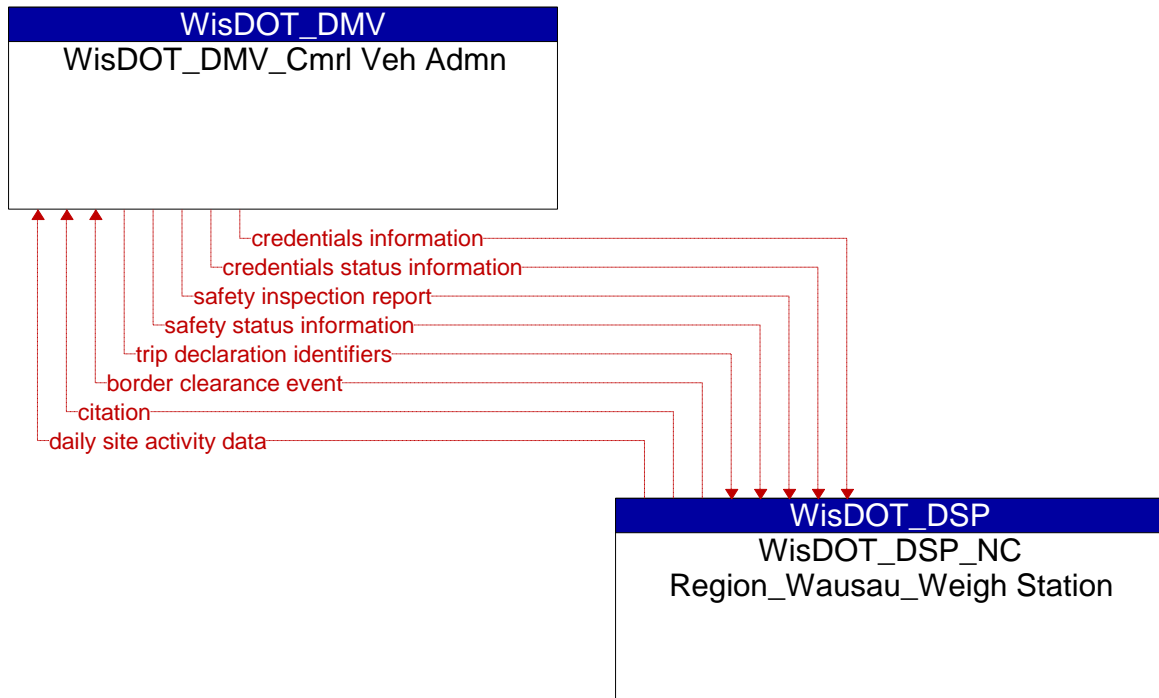


Figure 414: WisDOT_DBM_BITS_TRADAS Data Extract - WisDOT_DTIM_BSHP_TRADAS Database Interface



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Figure 415: WisDOT_DMV_Cmrl Veh Admn - WisDOT_DSP_NC Region_Wausau_Weigh Station Interface

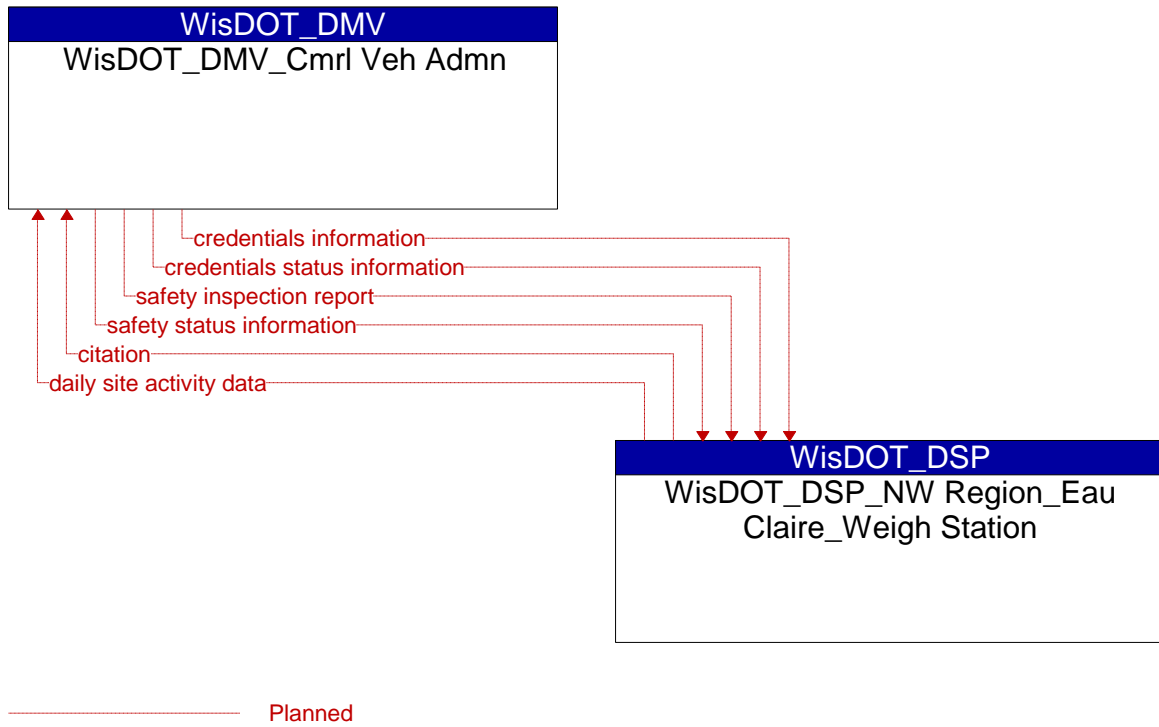


Figure 416: WisDOT_DMV_Cmrl Veh Admn - WisDOT_DSP_NW Region_Eau Claire_Weigh Station Interface

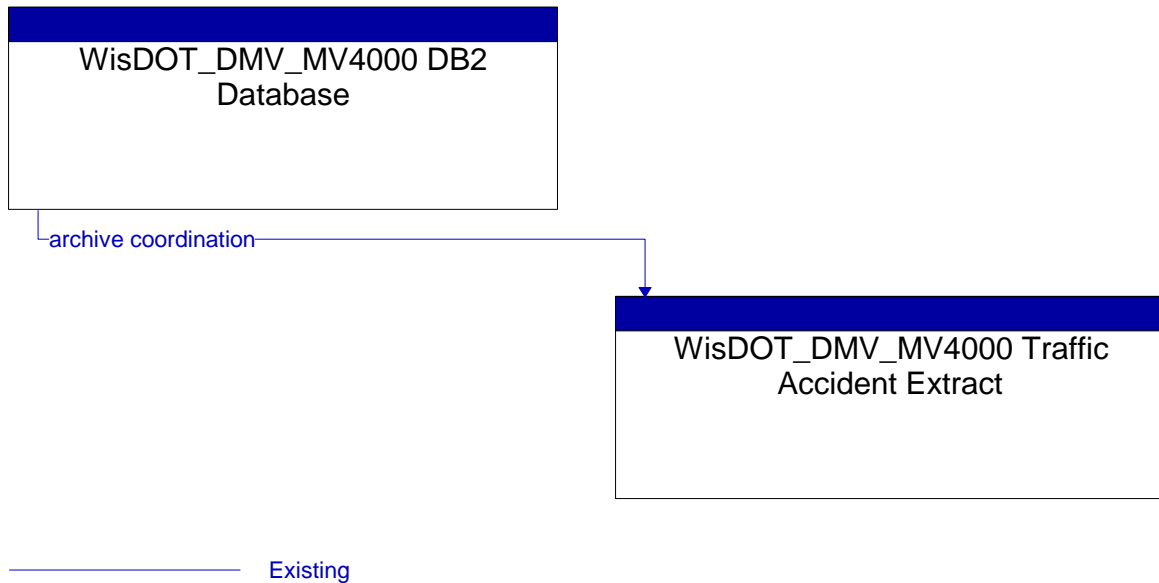


Figure 417: WisDOT_DMV_MV4000 DB2 Database - WisDOT_DMV_MV4000 Traffic Accident Extract Interface

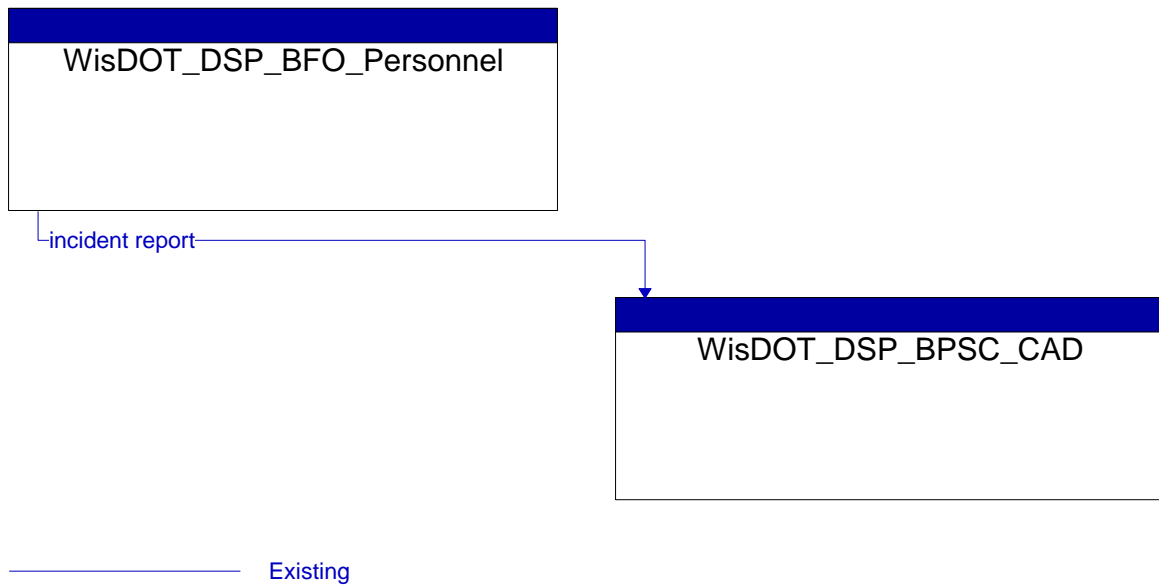


Figure 418: WisDOT_DSP_BFO_Personnel - WisDOT_DSP_BPSC_CAD Interface

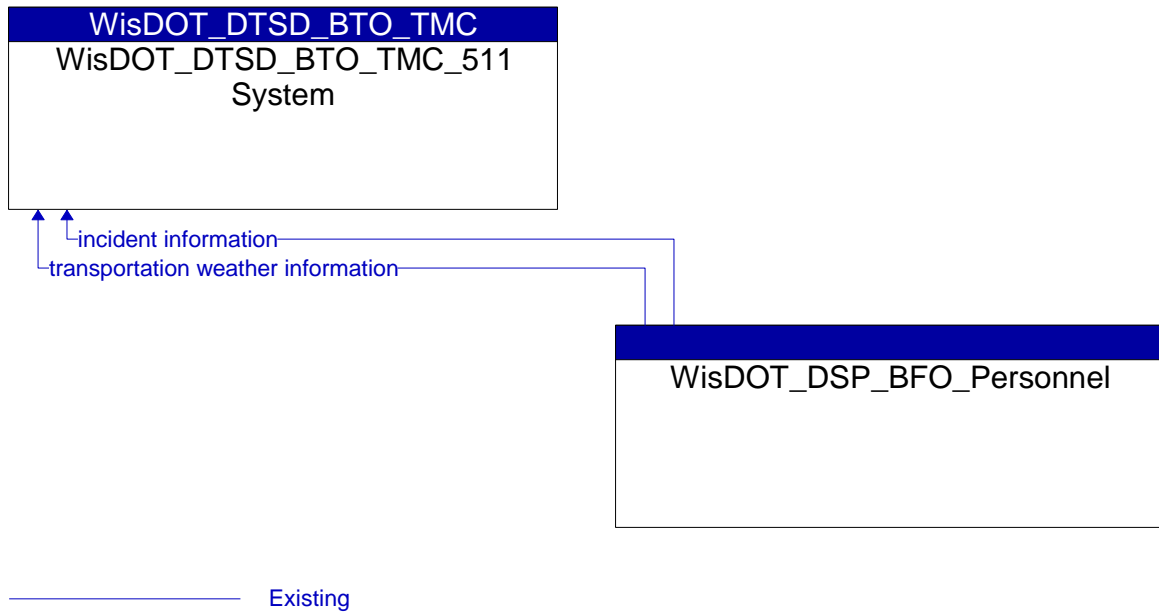


Figure 419: WisDOT_DSP_BFO_Personnel - WisDOT_DTSD_BTO_TMC_511 System Interface

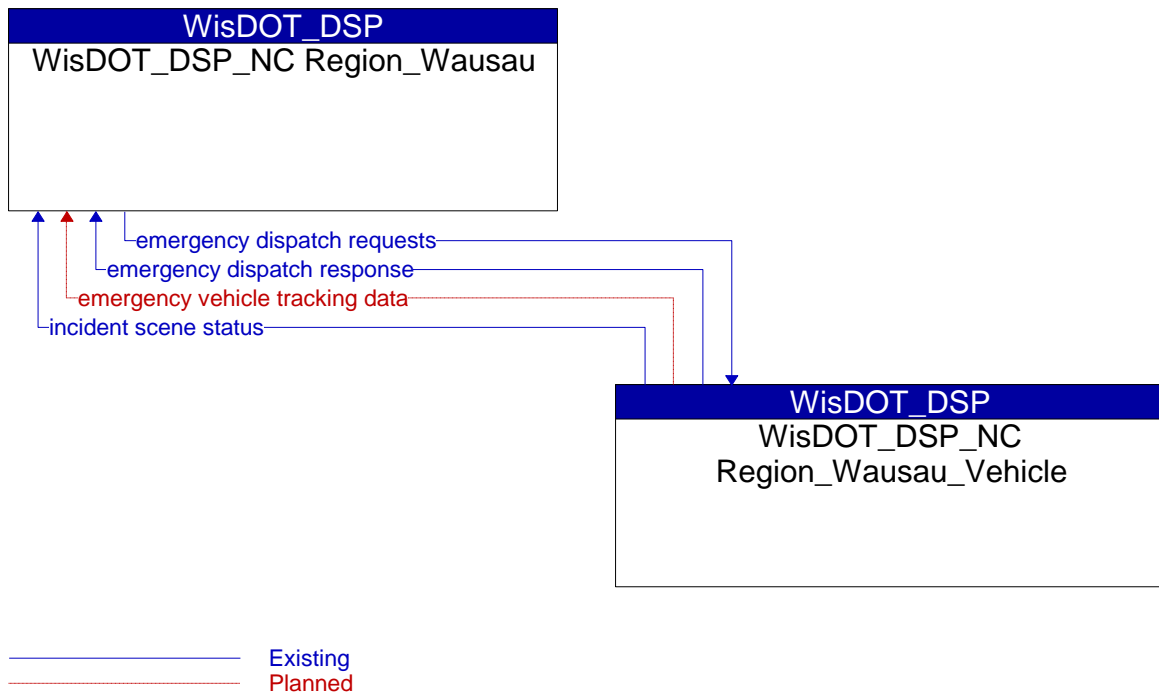


Figure 420: WisDOT_DSP_NC Region_Wausau - WisDOT_DSP_NC Region_Wausau_Vehicle Interface

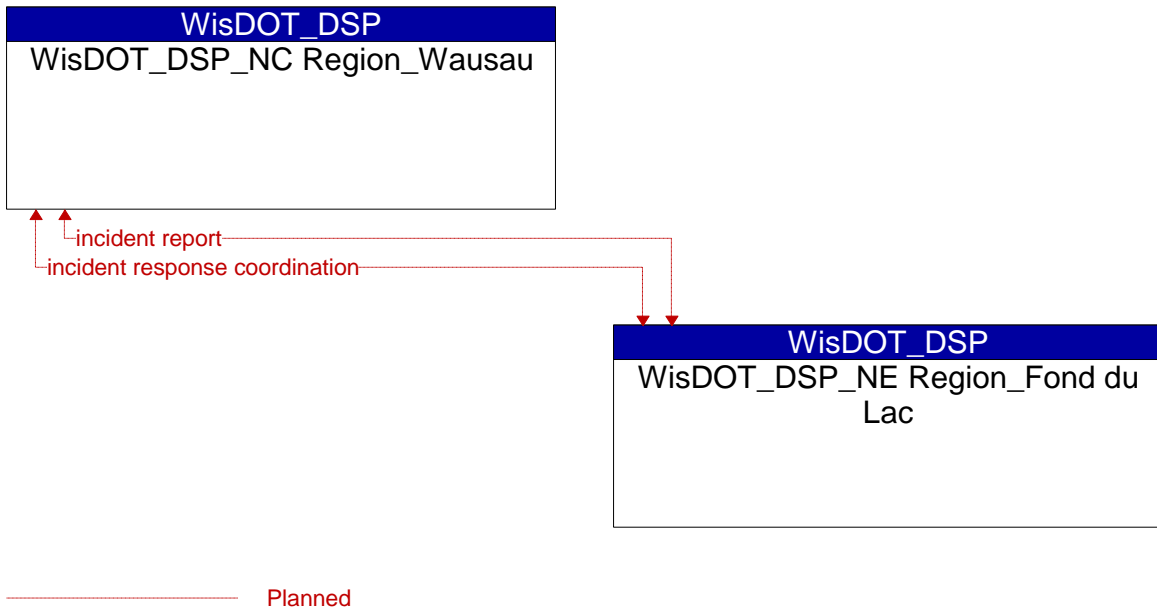


Figure 421: WisDOT_DSP_NC Region_Wausau - WisDOT_DSP_NE Region_Fond du Lac Interface

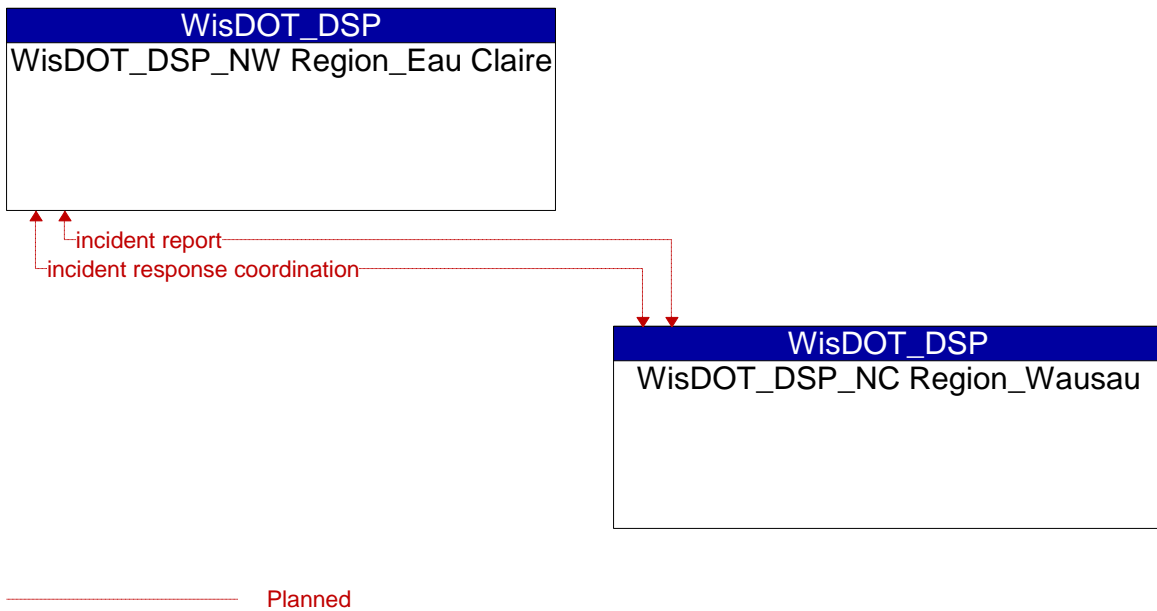


Figure 422: WisDOT_DSP_NC Region_Wausau - WisDOT_DSP_NW Region_Eau Claire Interface

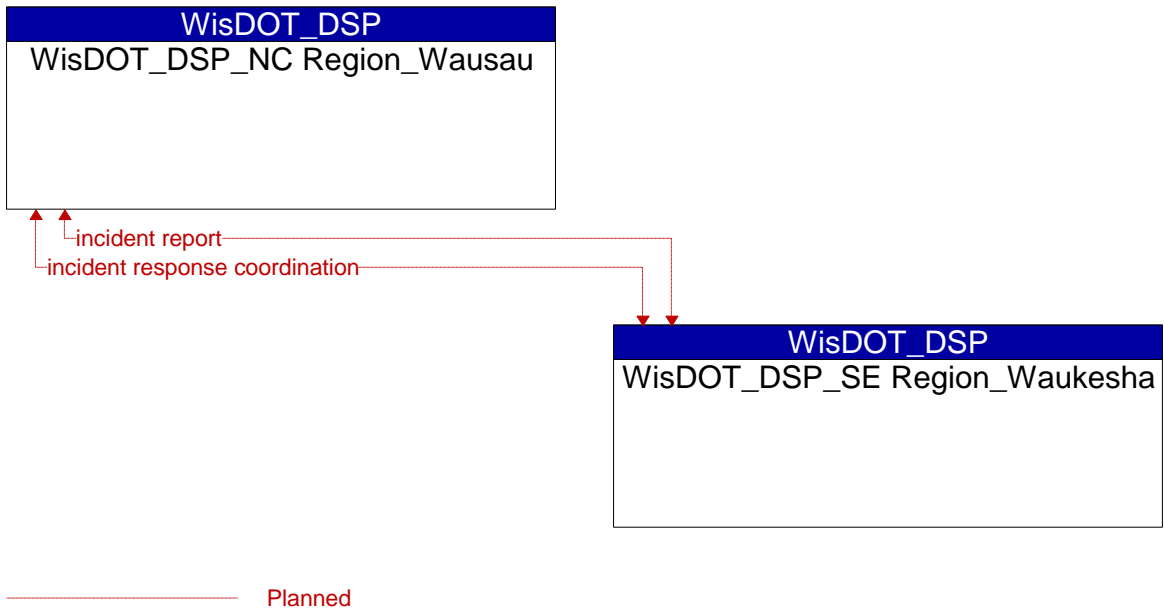


Figure 423: WisDOT_DSP_NC Region_Wausau - WisDOT_DSP_SE Region_Waukesha Interface

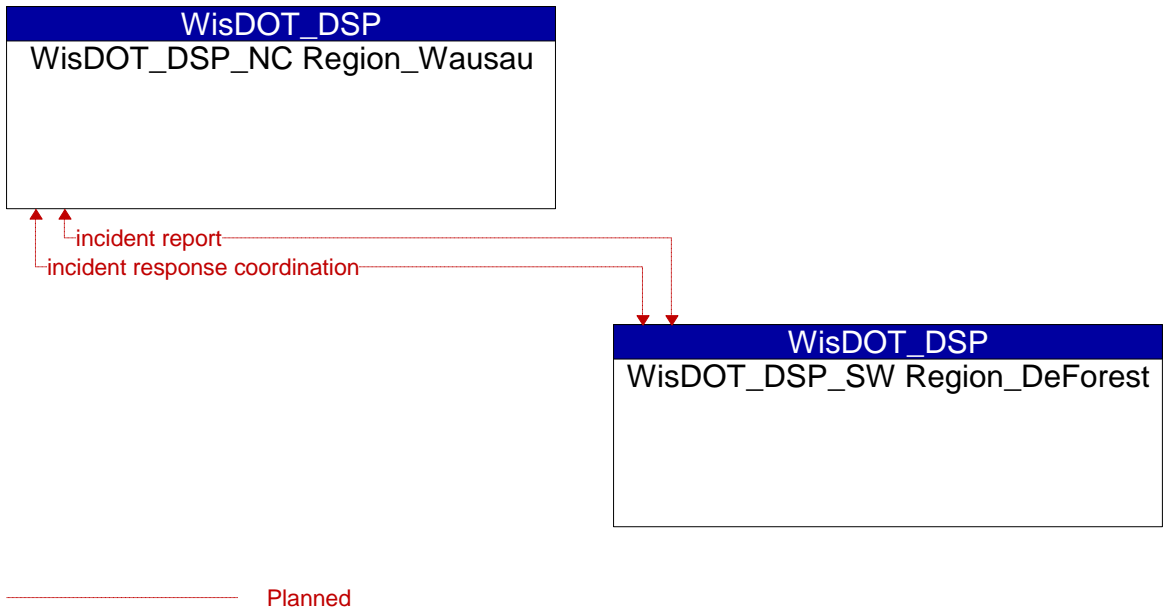


Figure 424: WisDOT_DSP_NC Region_Wausau - WisDOT_DSP_SW Region_DeForest Interface

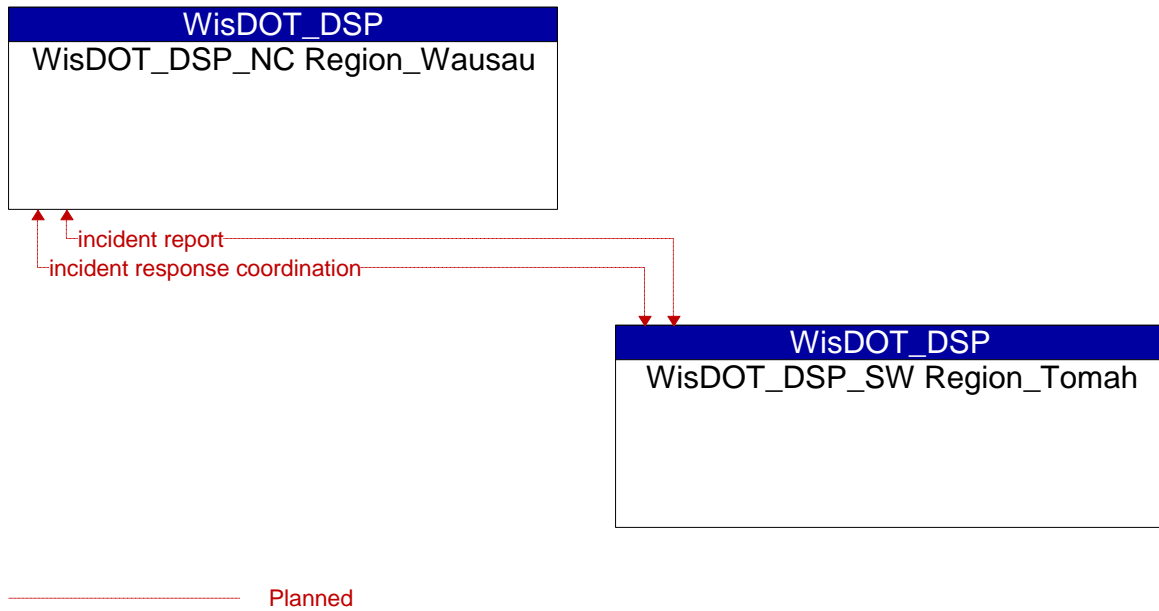


Figure 425: WisDOT_DSP_NC Region_Wausau - WisDOT_DSP_SW Region_Tomah Interface

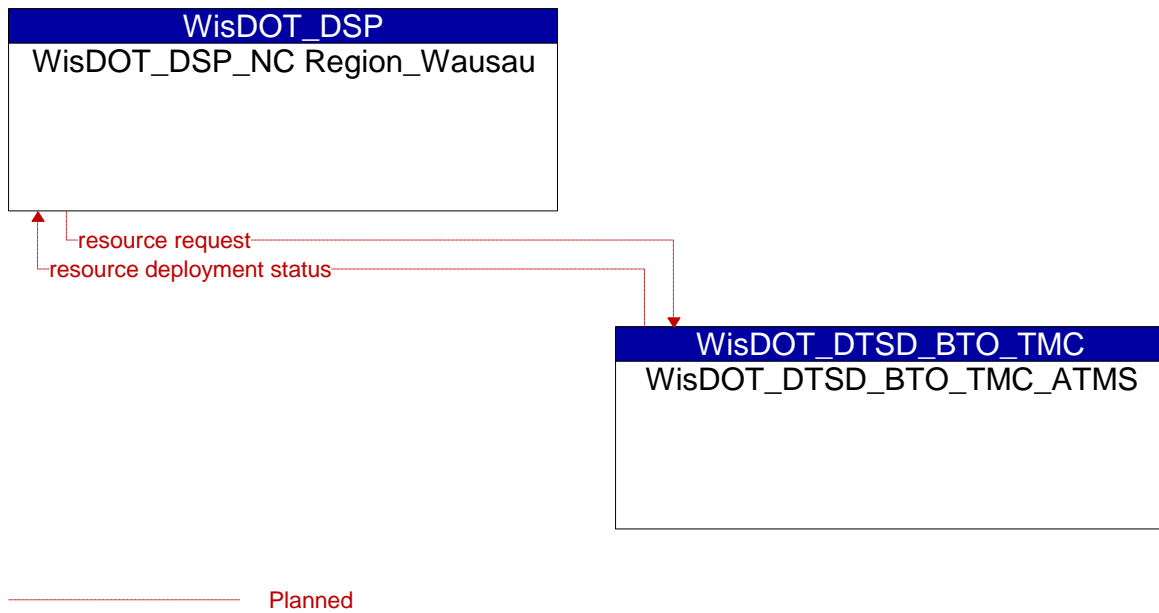


Figure 426: WisDOT_DSP_NC Region_Wausau - WisDOT_DTSD_BTO_TMC_ATMS Interface

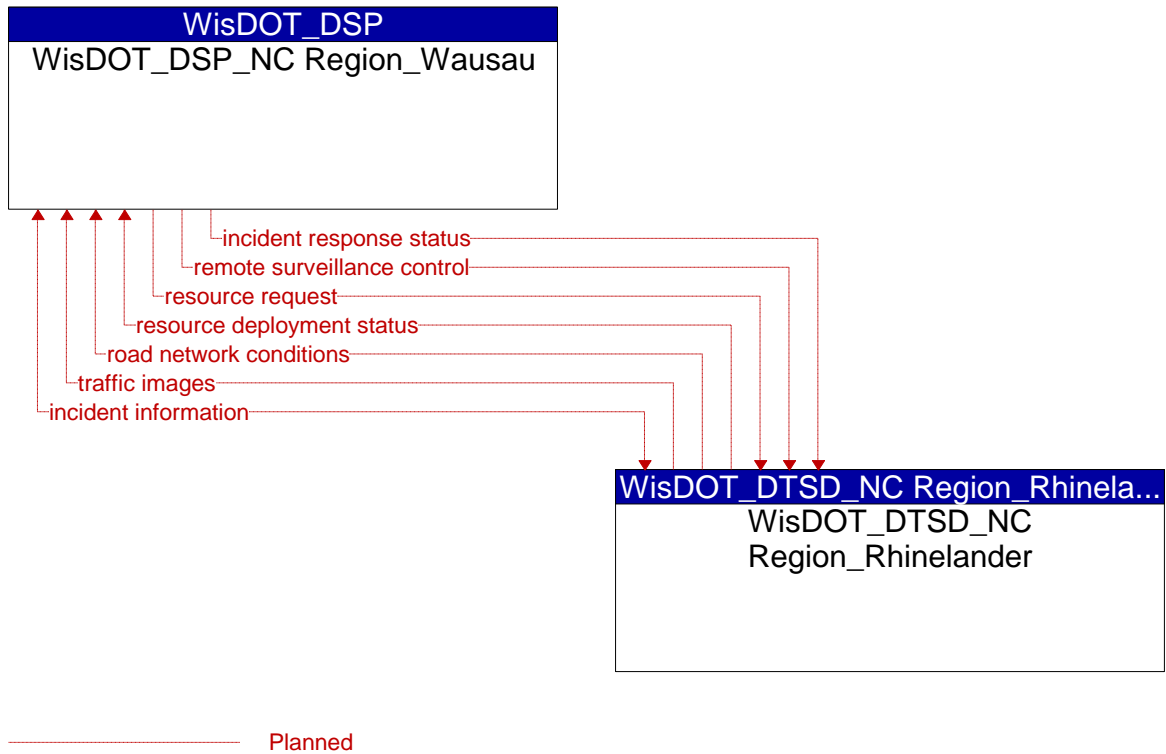


Figure 427: WisDOT_DSP_NC Region_Wausau - WisDOT_DTSD_NC Region_Rhineland Interface

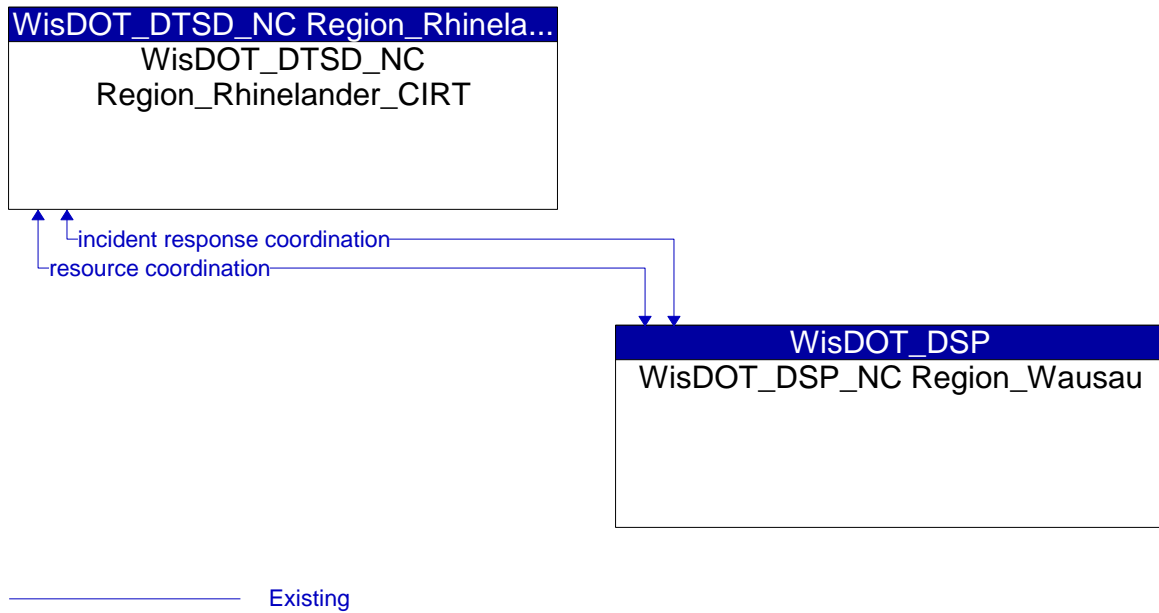
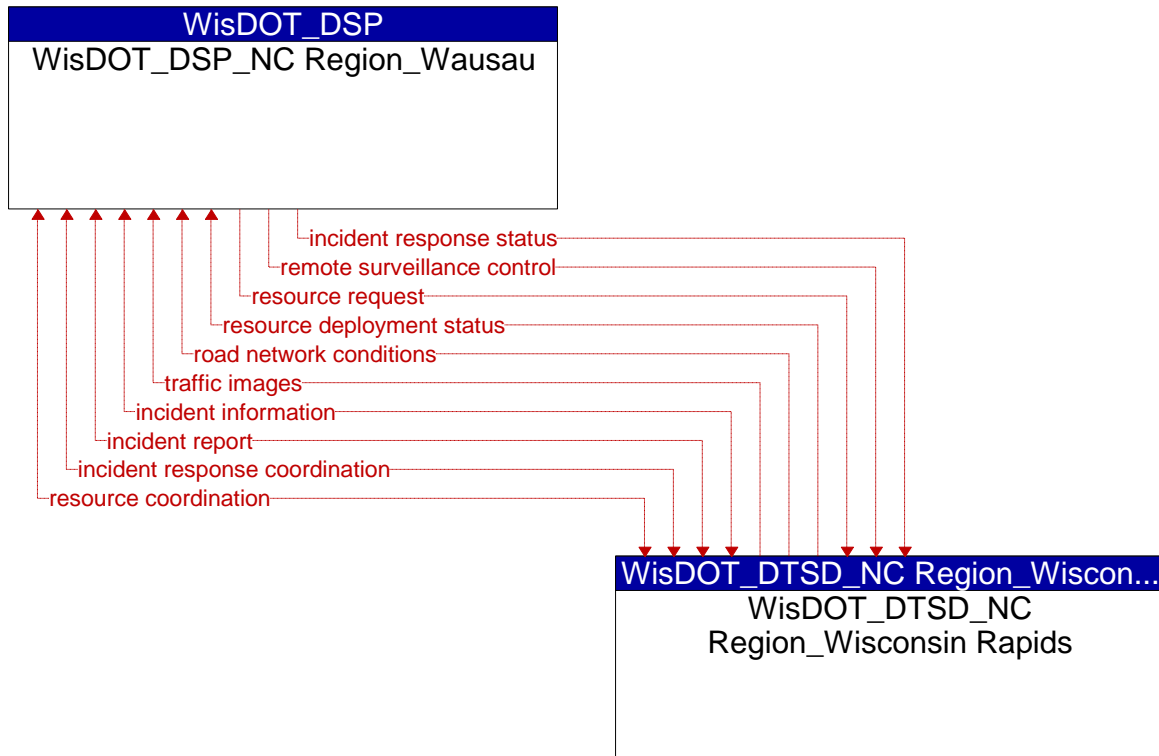


Figure 428: WisDOT_DSP_NC Region_Wausau - WisDOT_DTSD_NC Region_Rhineland_CIRT Interface



Planned

Figure 429: WisDOT_DSP_NC Region_Wausau - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

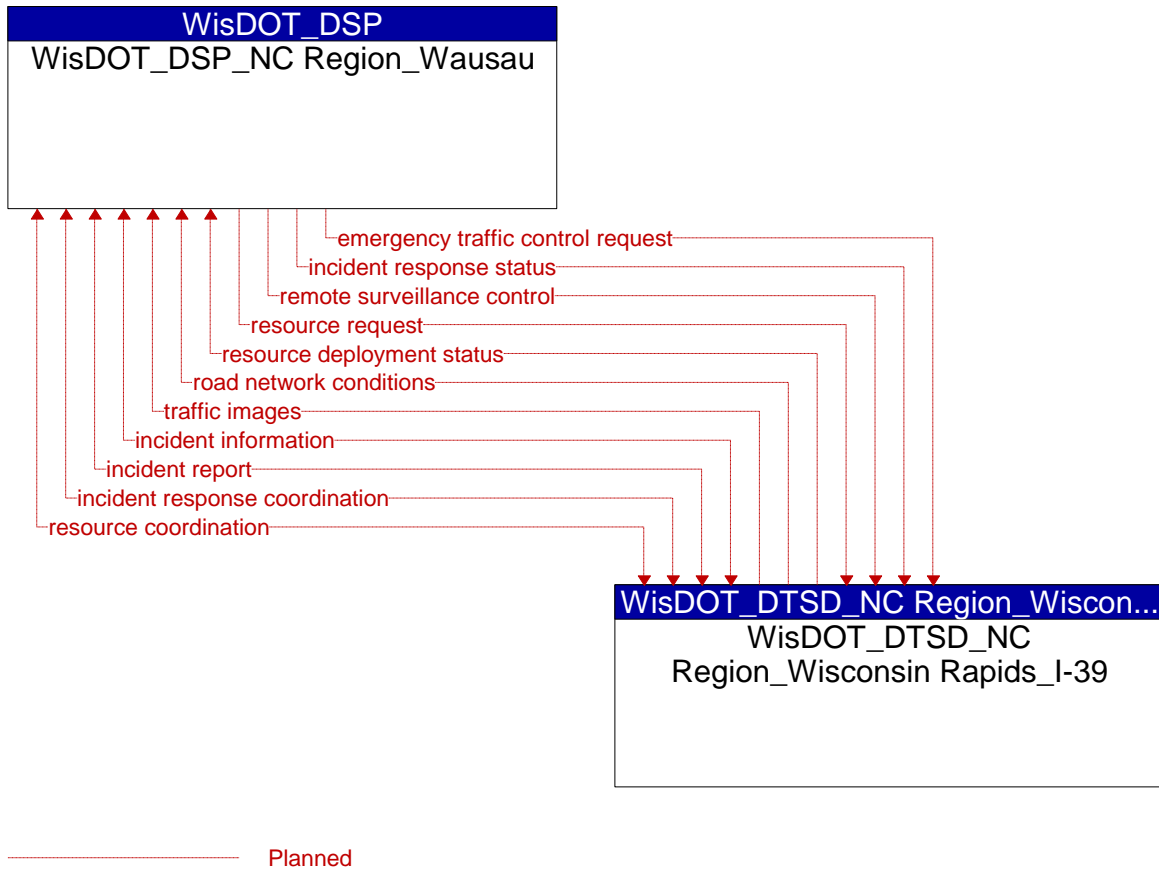


Figure 430: WisDOT_DSP_NC Region_Wausau - WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 Interface

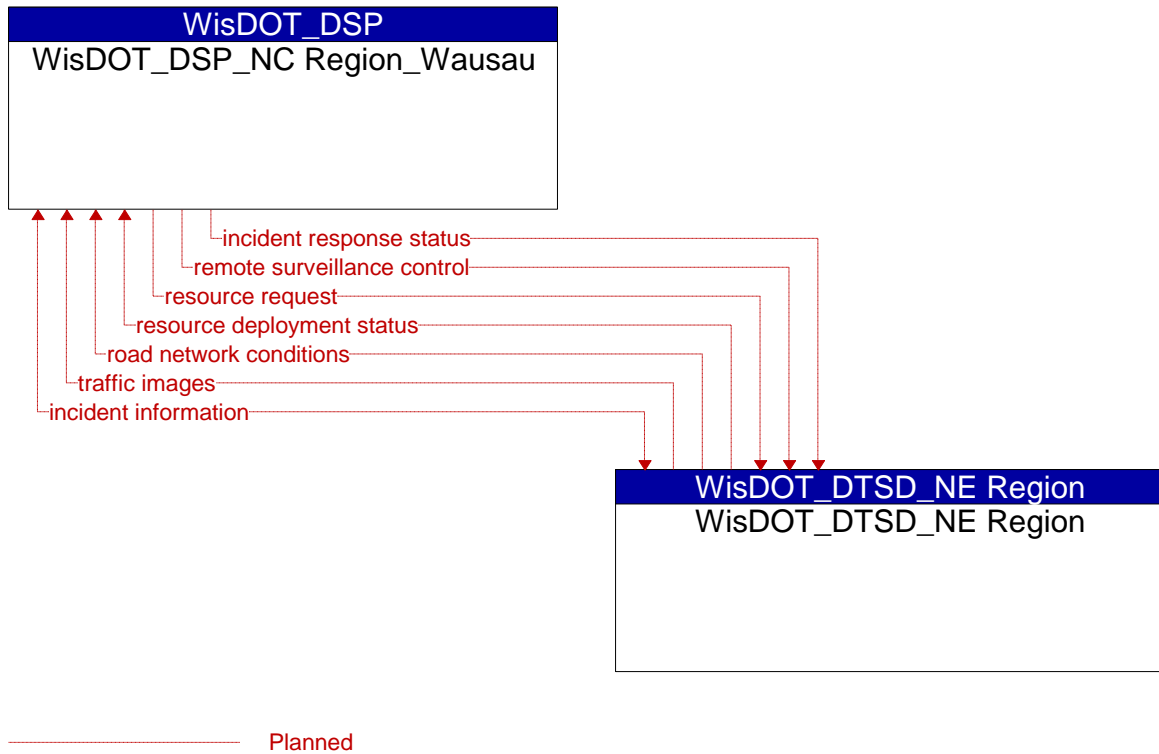


Figure 431: WisDOT_DSP_NC Region_Wausau - WisDOT_DTSD_NE Region Interface

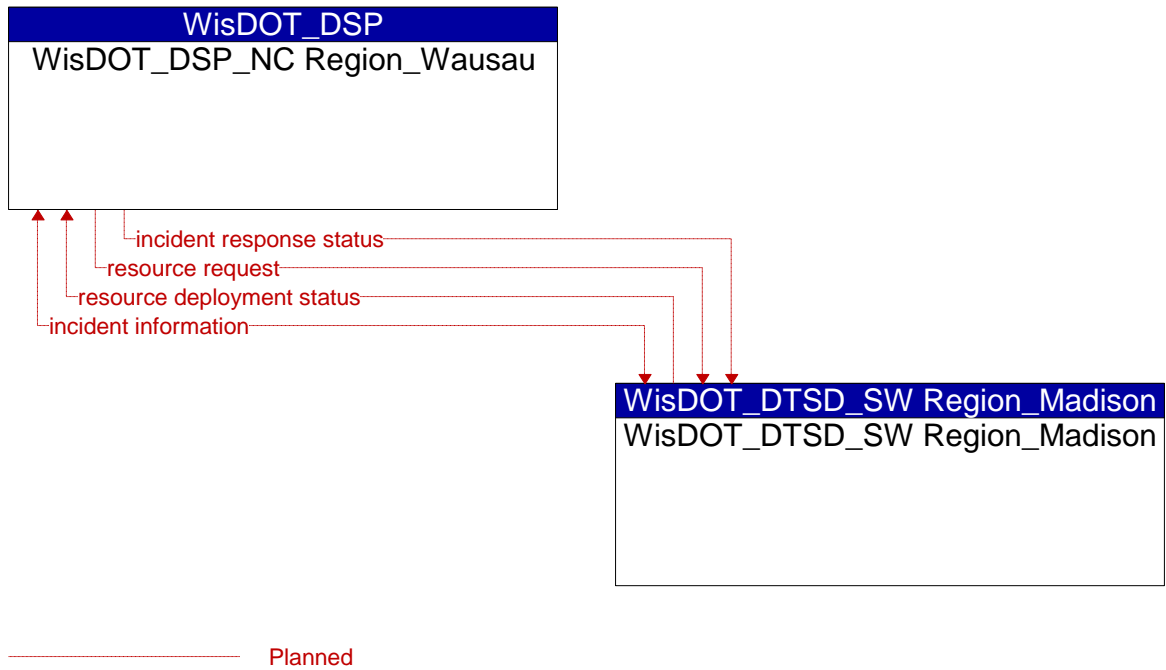


Figure 432: WisDOT_DSP_NC Region_Wausau - WisDOT_DTSD_SW Region_Madison Interface

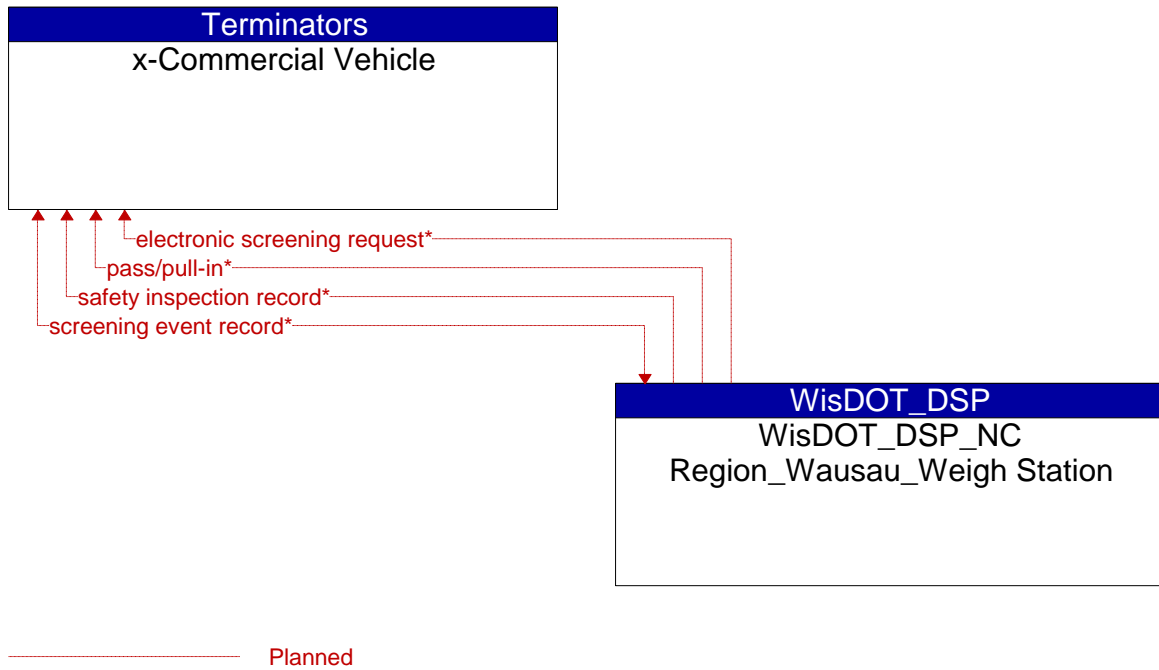


Figure 433: WisDOT_DSP_NC Region_Wausau_Weigh Station - x-Commercial Vehicle Interface

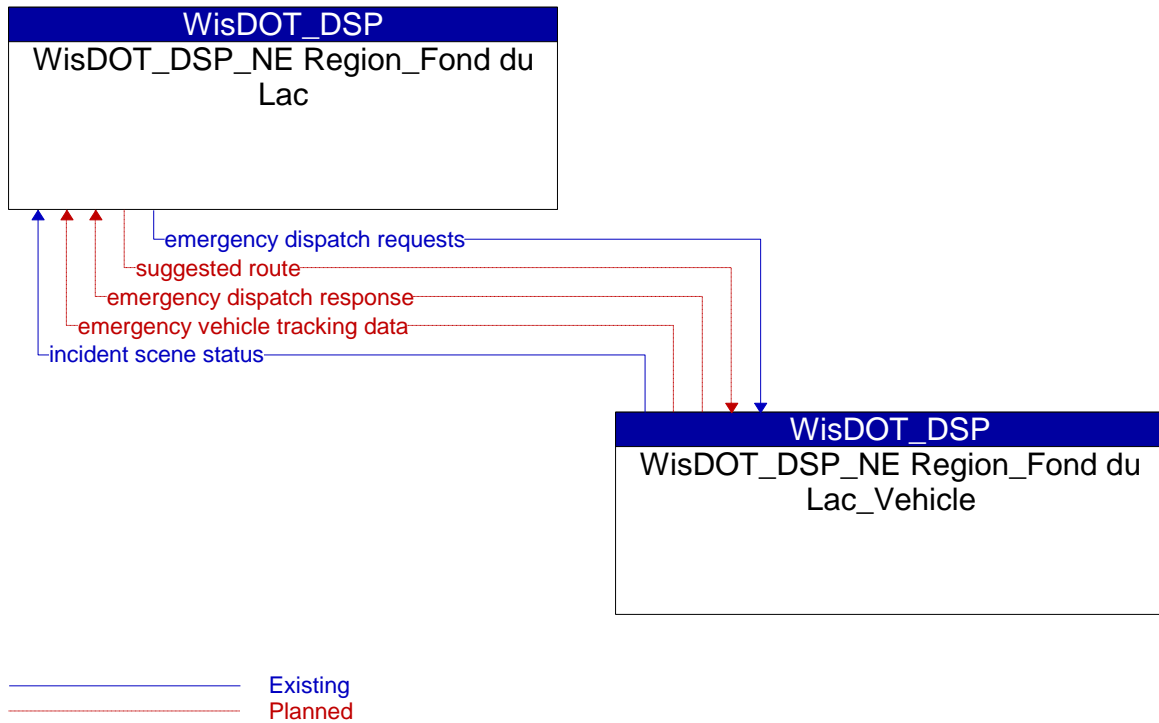


Figure 434: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DSP_NE Region_Fond du Lac_Vehicle Interface

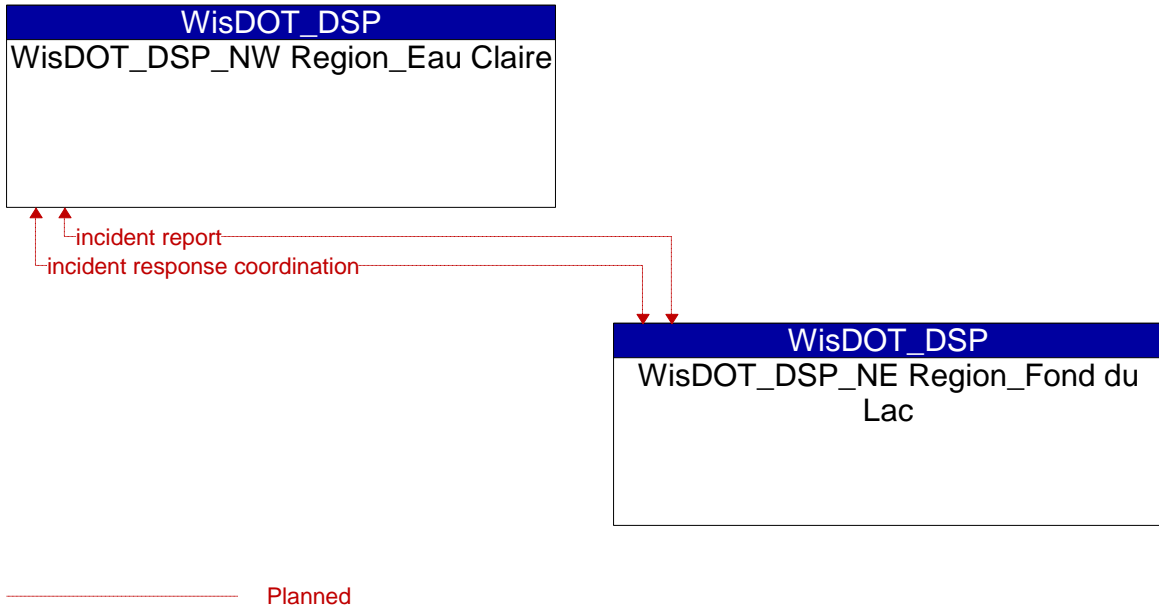


Figure 435: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DSP_NW Region_Eau Claire Interface

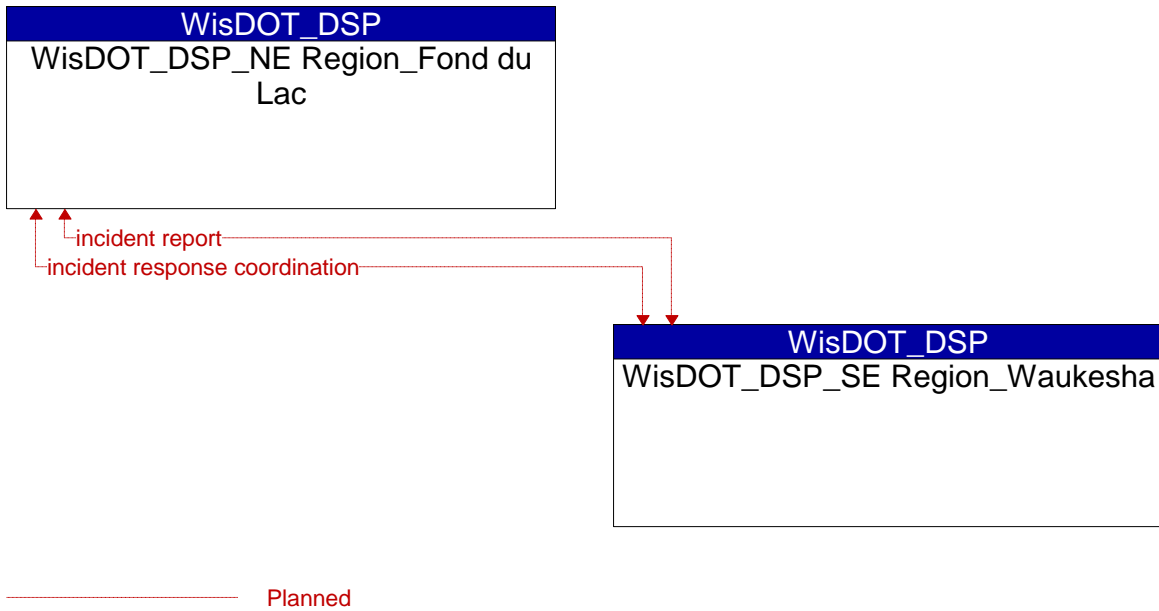


Figure 436: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DSP_SE Region_Waukesha Interface

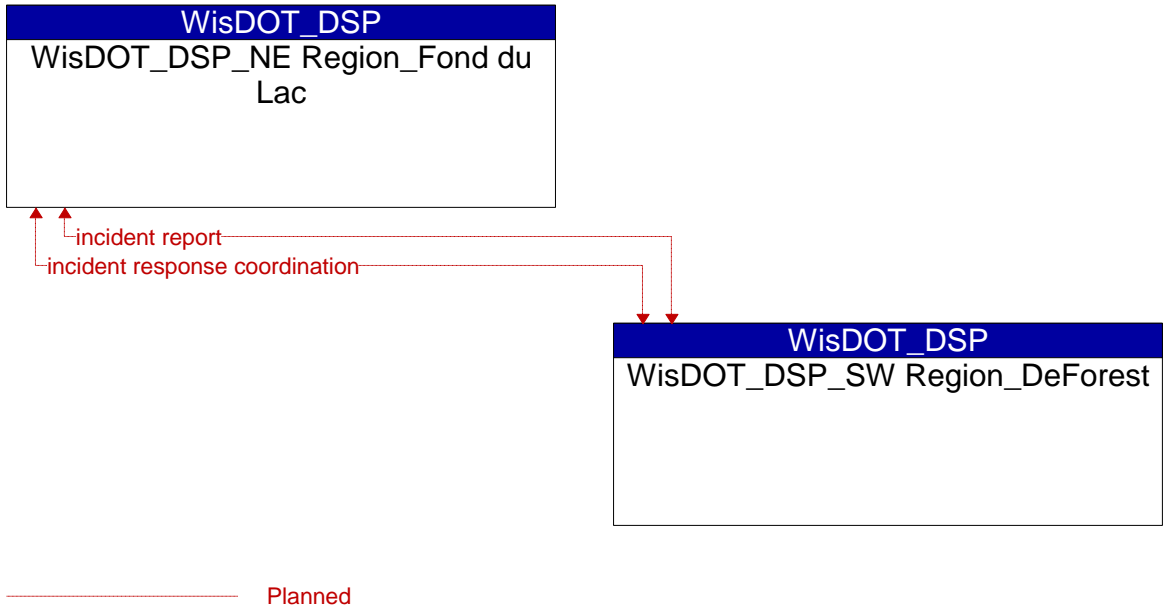


Figure 437: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DSP_SW Region_DeForest Interface

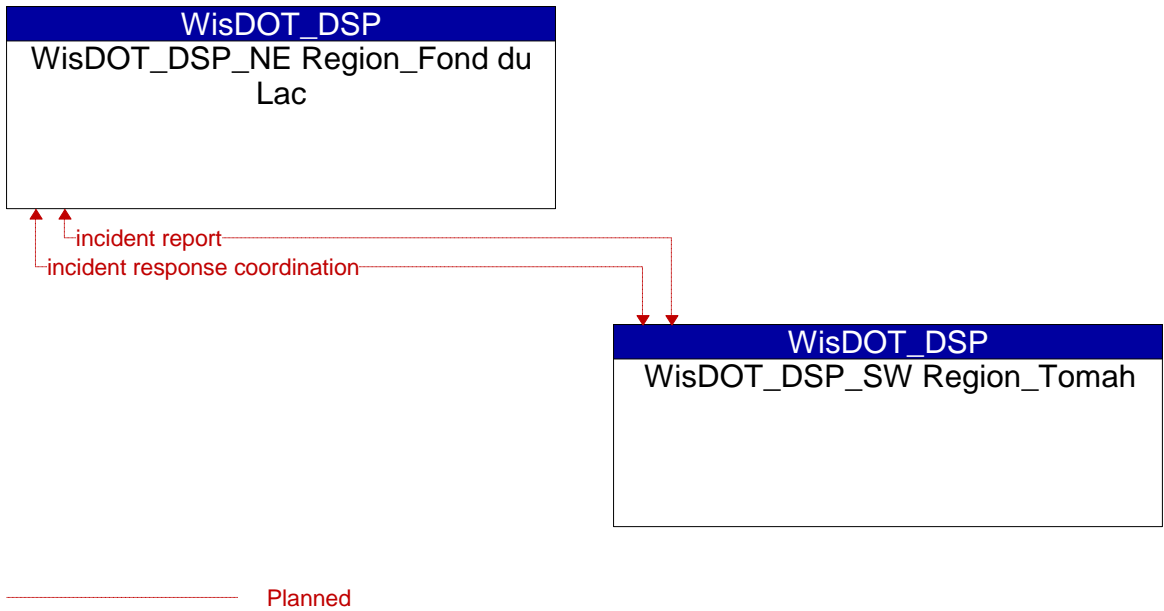


Figure 438: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DSP_SW Region_Tomah Interface

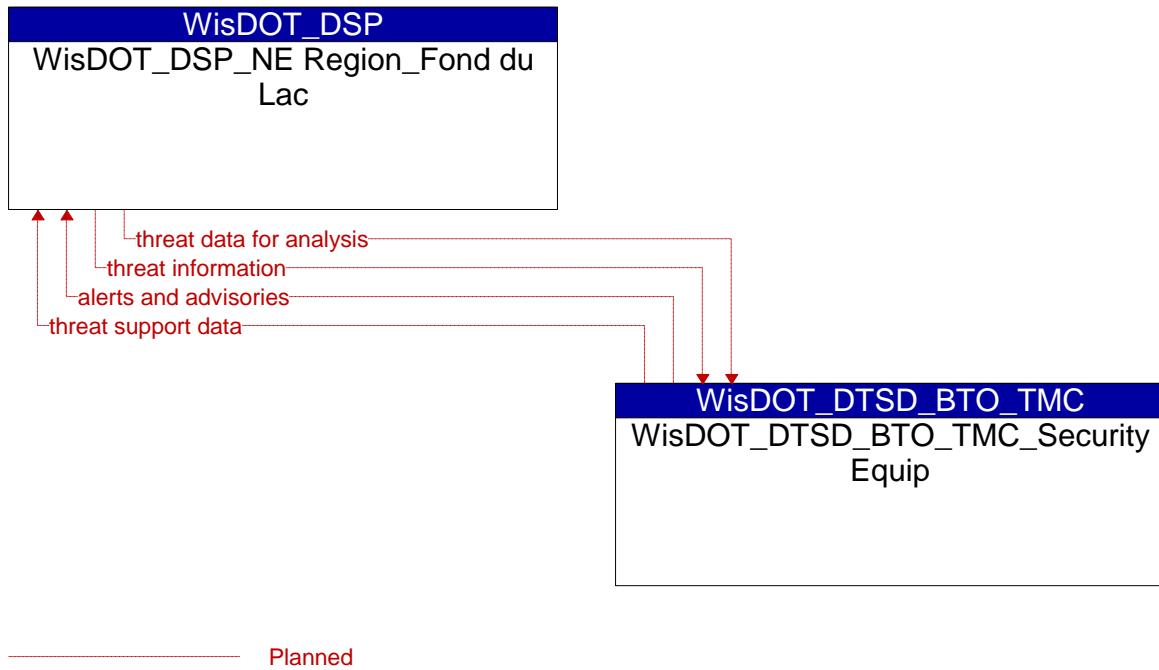


Figure 439: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DTSD_BTO_TMC_Security Equip Interface

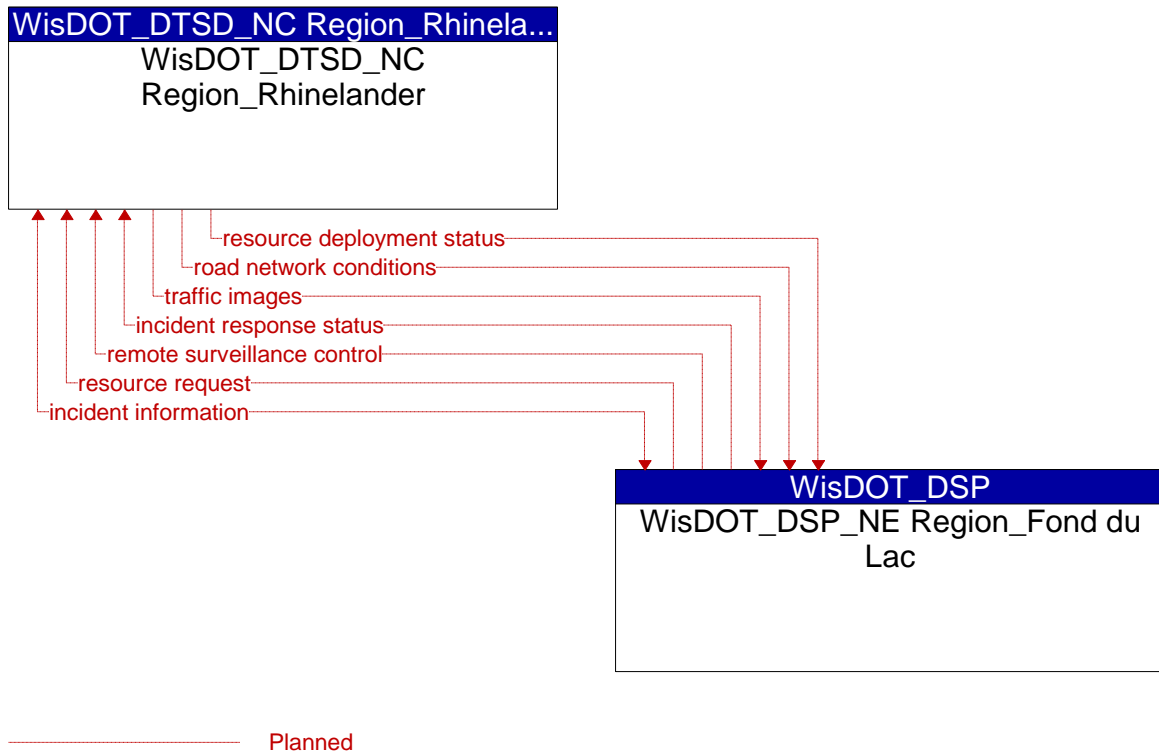


Figure 440: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DTSD_NC Region_Rhineland Interface

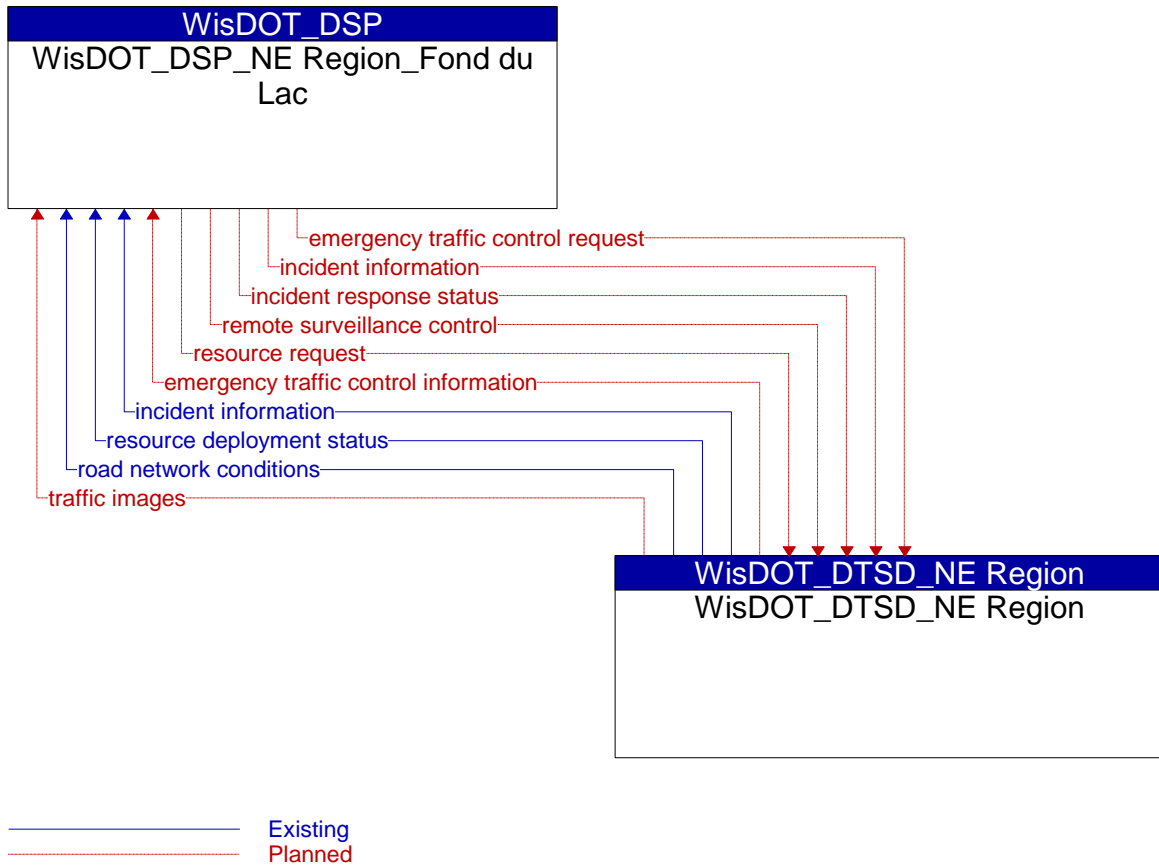


Figure 441: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DTSD_NE Region Interface

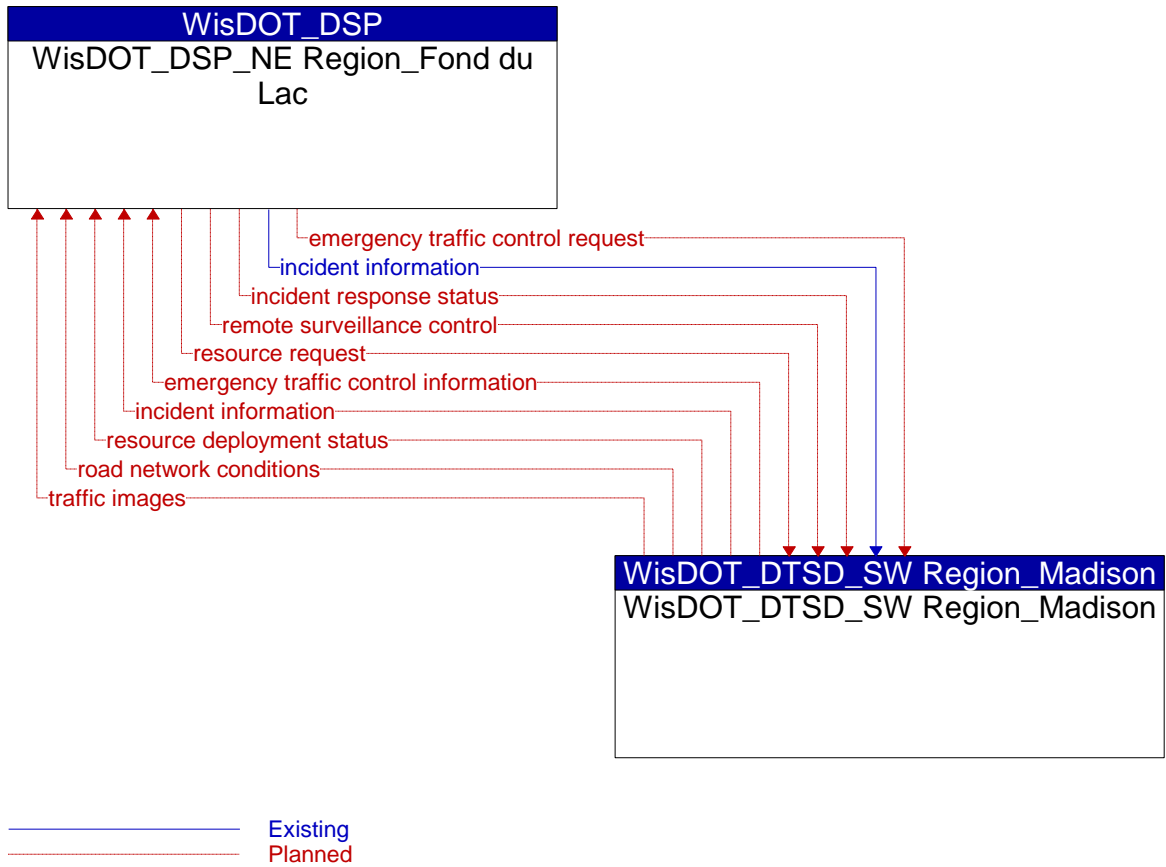


Figure 442: WisDOT_DSP_NE Region_Fond du Lac - WisDOT_DTSD_SW Region_Madison Interface

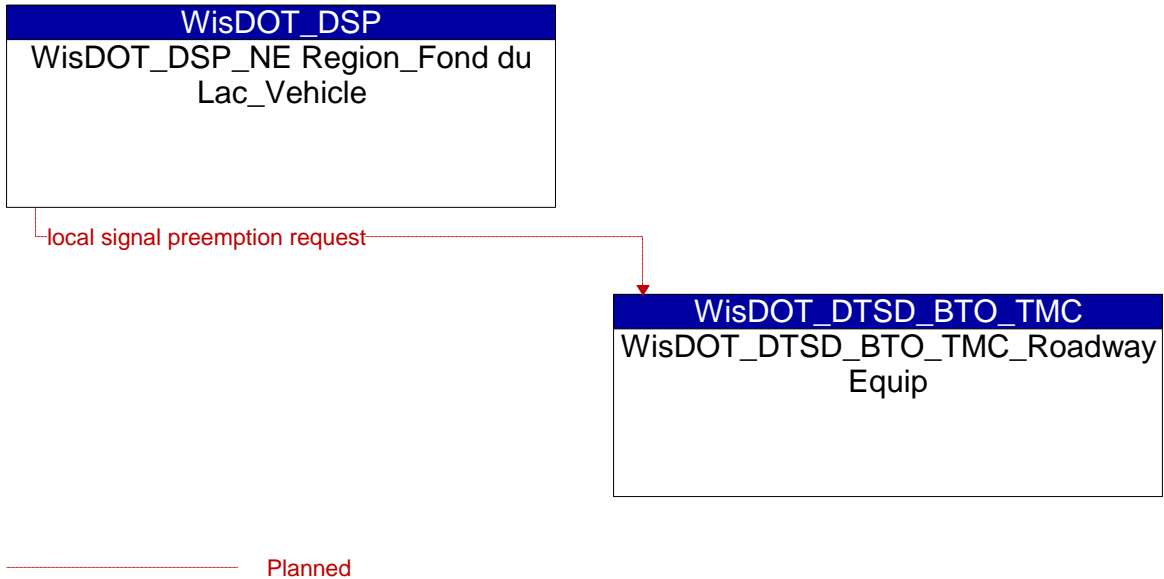


Figure 443: WisDOT_DSP_NE Region_Fond du Lac_Vehicle - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

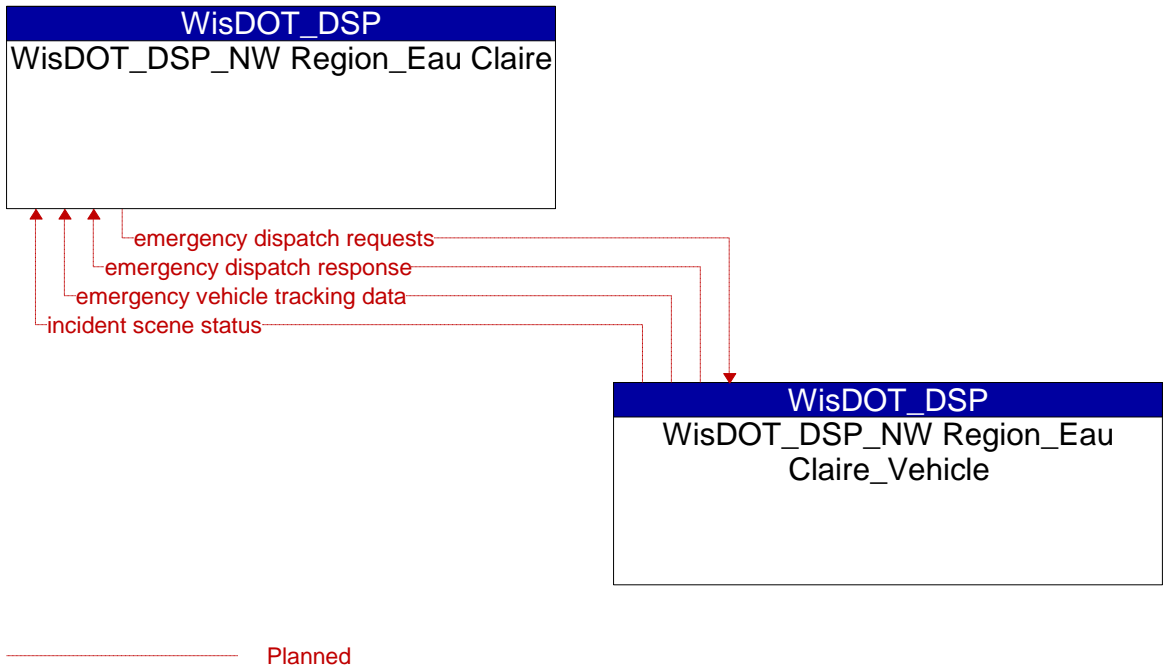


Figure 444: WisDOT_DSP_NW Region_Eau Claire - WisDOT_DSP_NW Region_Eau Claire_Vehicle Interface

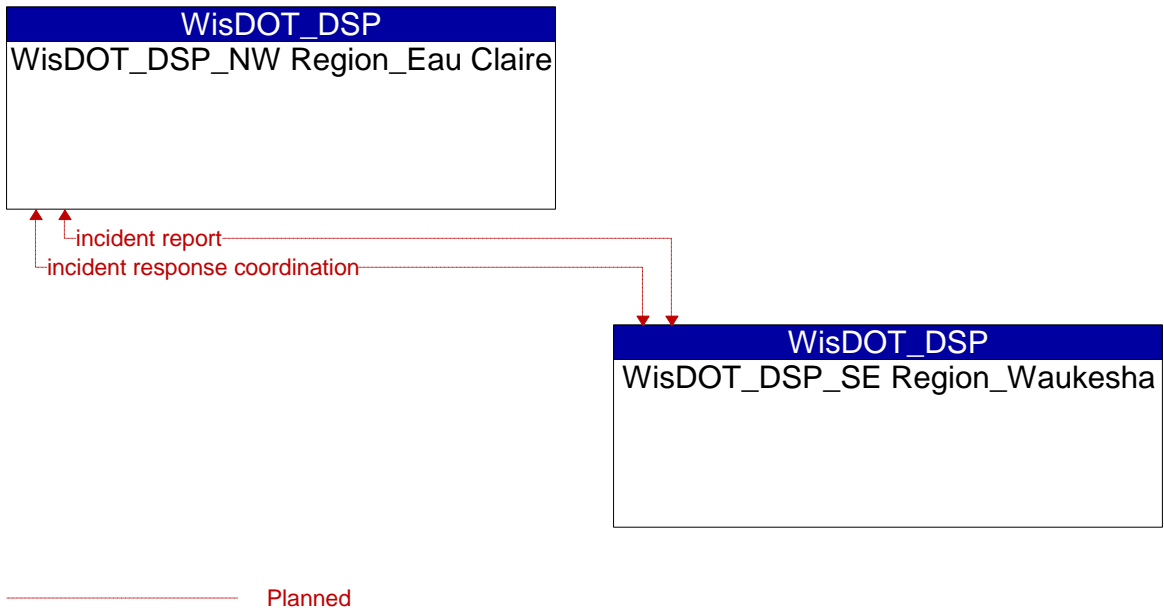


Figure 445: WisDOT_DSP_NW Region_Eau Claire - WisDOT_DSP_SE Region_Waukesha Interface

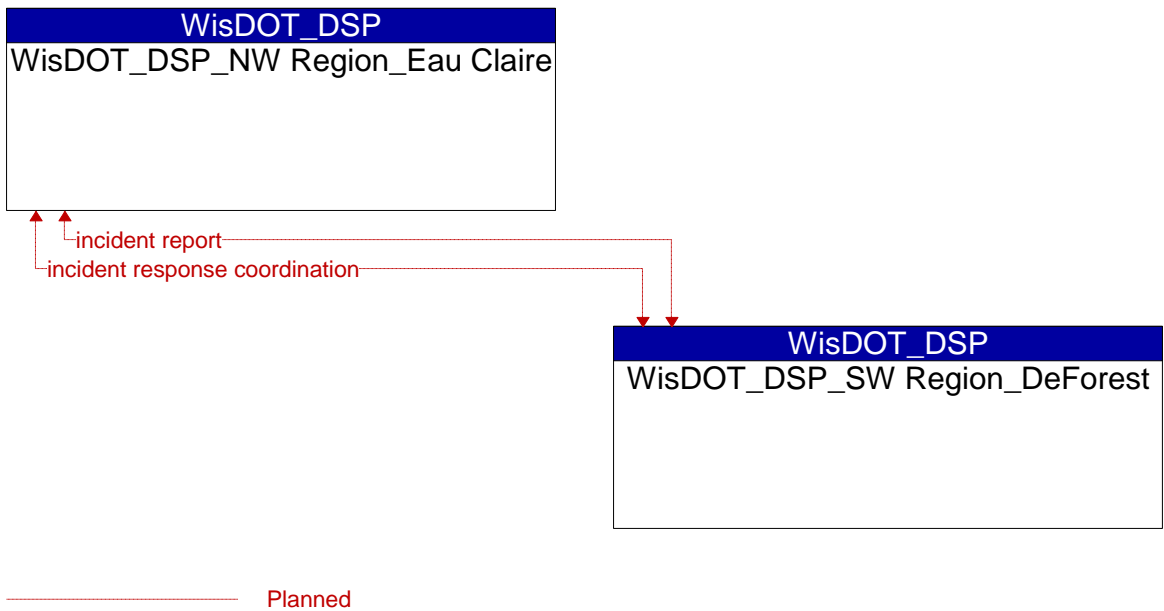


Figure 446: WisDOT_DSP_NW Region_Eau Claire - WisDOT_DSP_SW Region_DeForest Interface

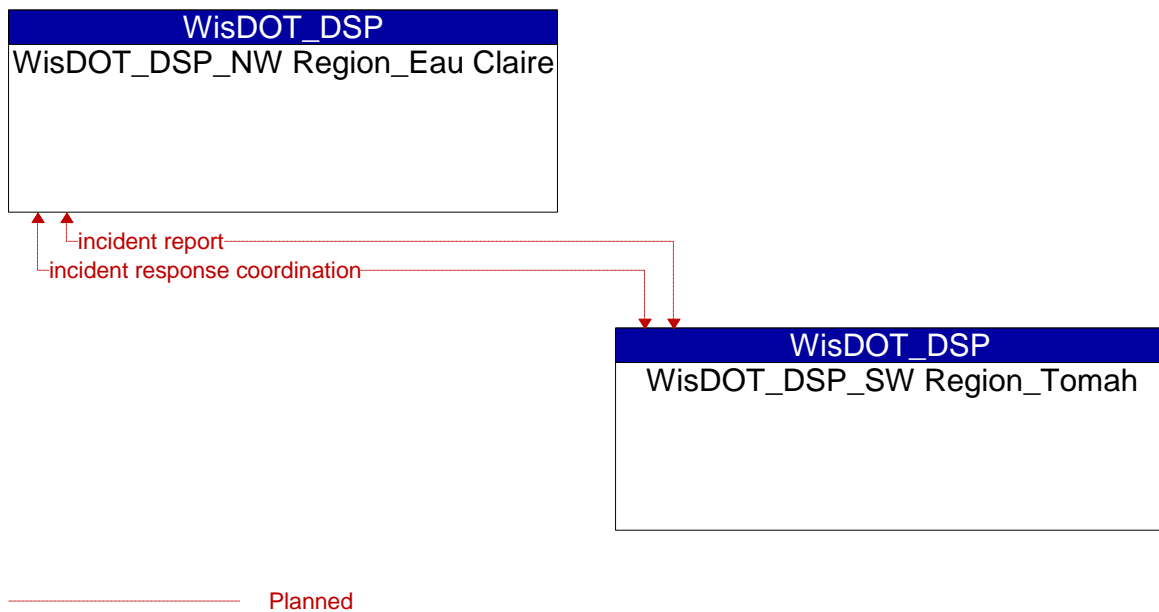
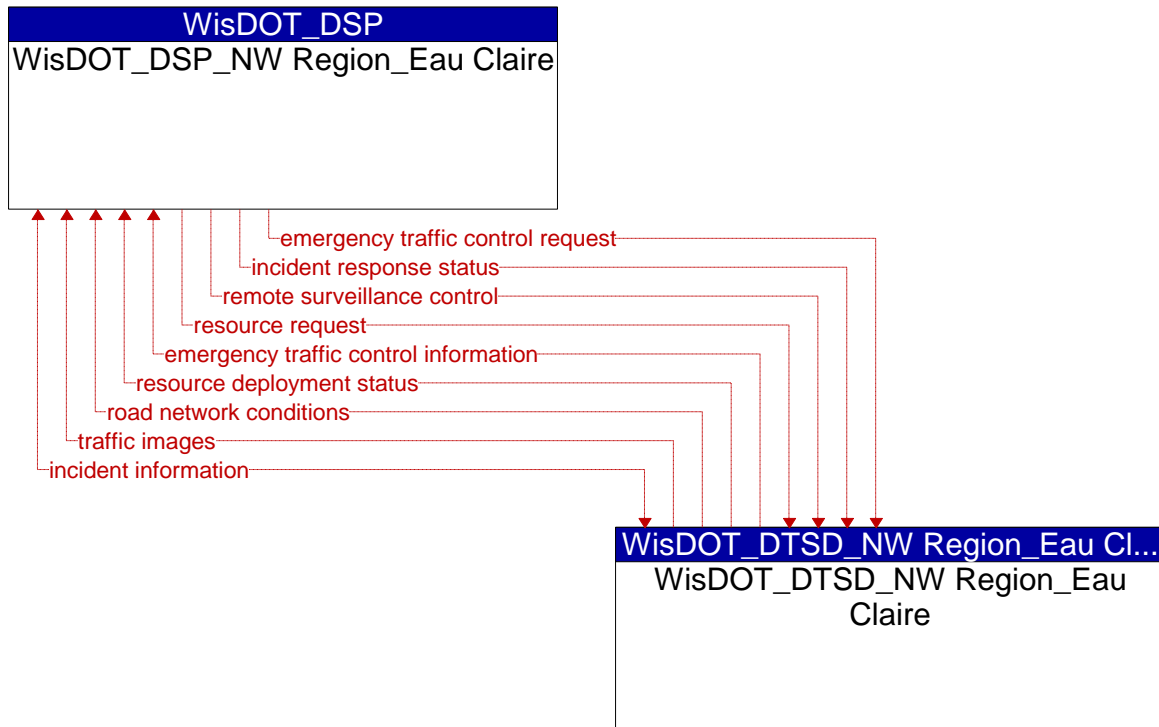


Figure 447: WisDOT_DSP_NW Region_Eau Claire - WisDOT_DSP_SW Region_Tomah Interface



Planned

Figure 448: WisDOT_DSP_NW Region_Eau Claire - WisDOT_DTSD_NW Region_Eau Claire Interface

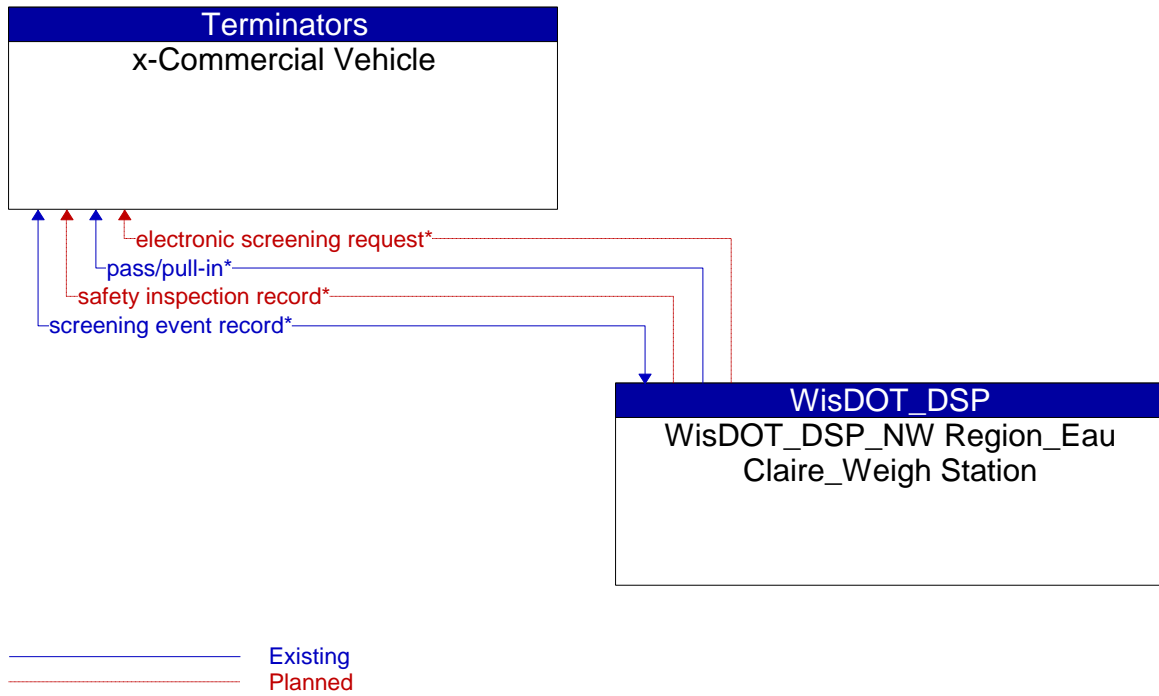


Figure 449: WisDOT_DSP_NW Region_Eau Claire_Weigh Station - x-Commercial Vehicle Interface

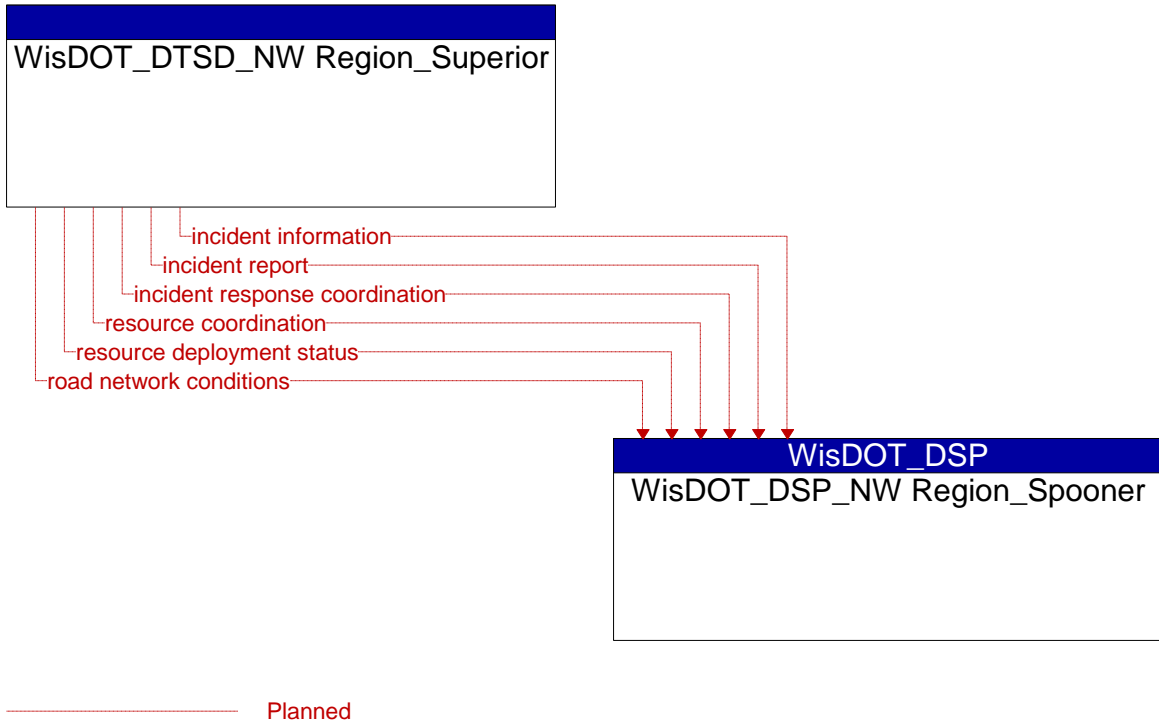


Figure 450: WisDOT_DSP_NW Region_Spooner - WisDOT_DTSD_NW Region_Superior Interface

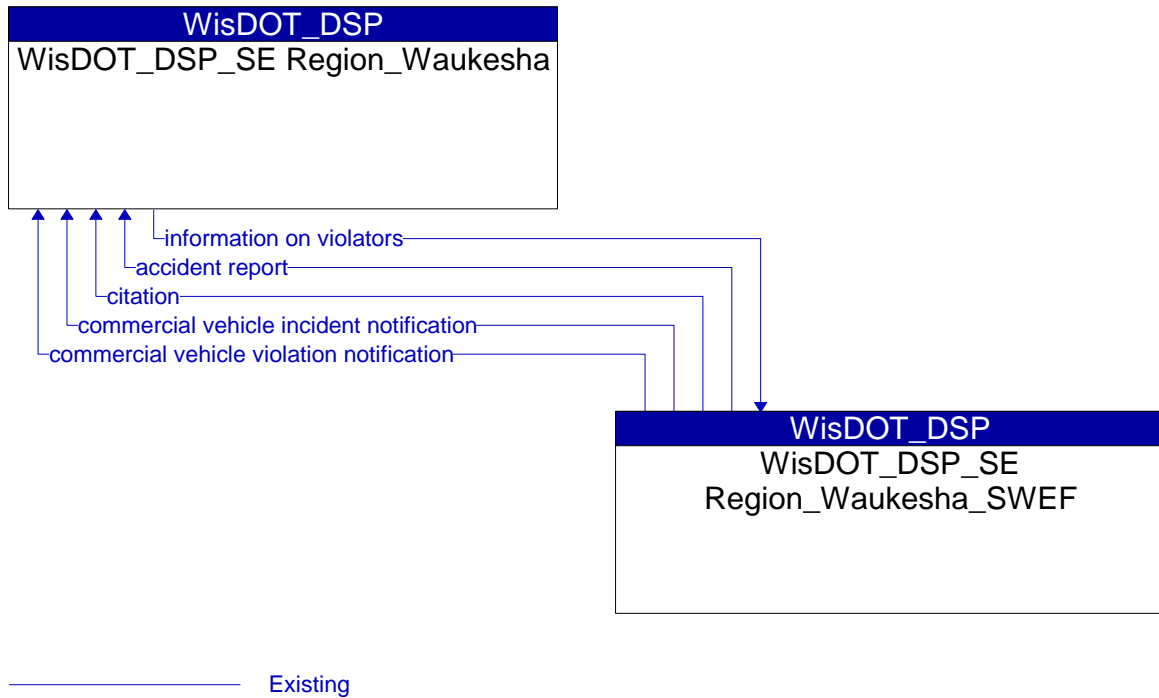


Figure 451: WisDOT_DSP_SE Region_Waukesha - WisDOT_DSP_SE Region_Waukesha_SWEF Interface

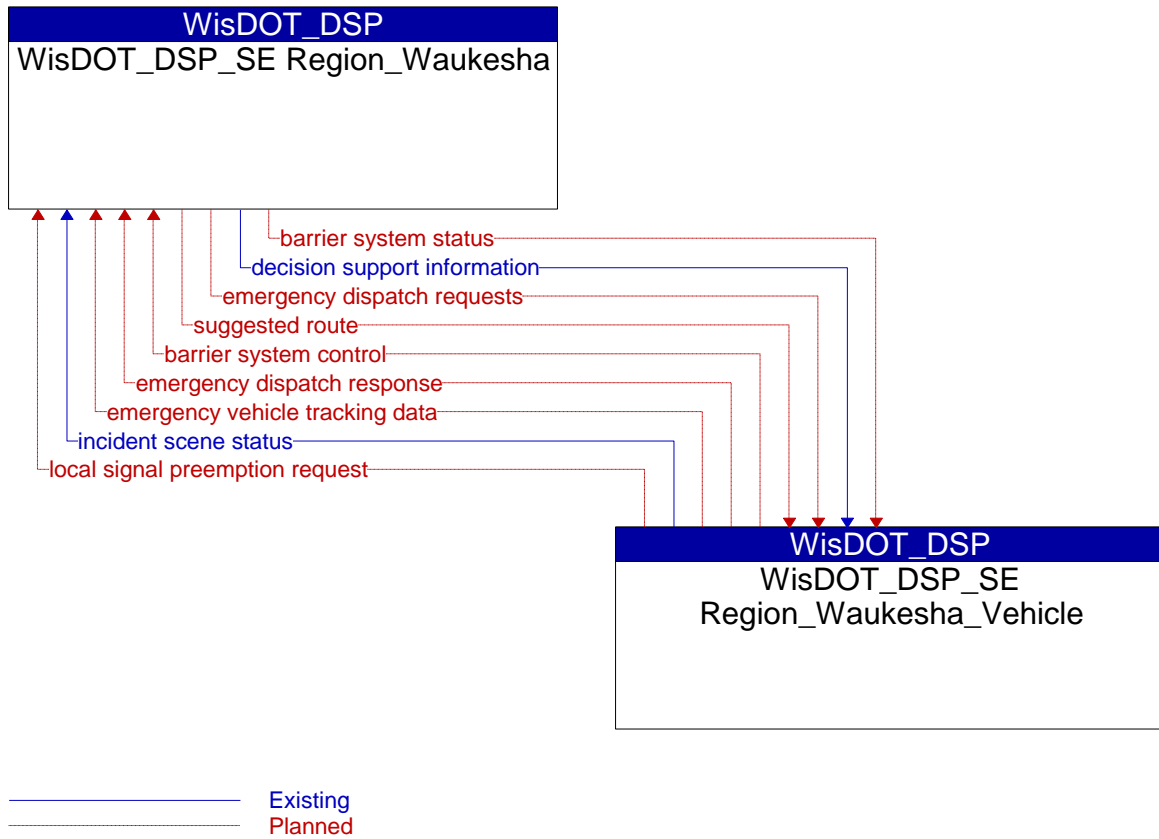


Figure 452: WisDOT_DSP_SE Region_Waukesha - WisDOT_DSP_SE Region_Waukesha_Vehicle Interface

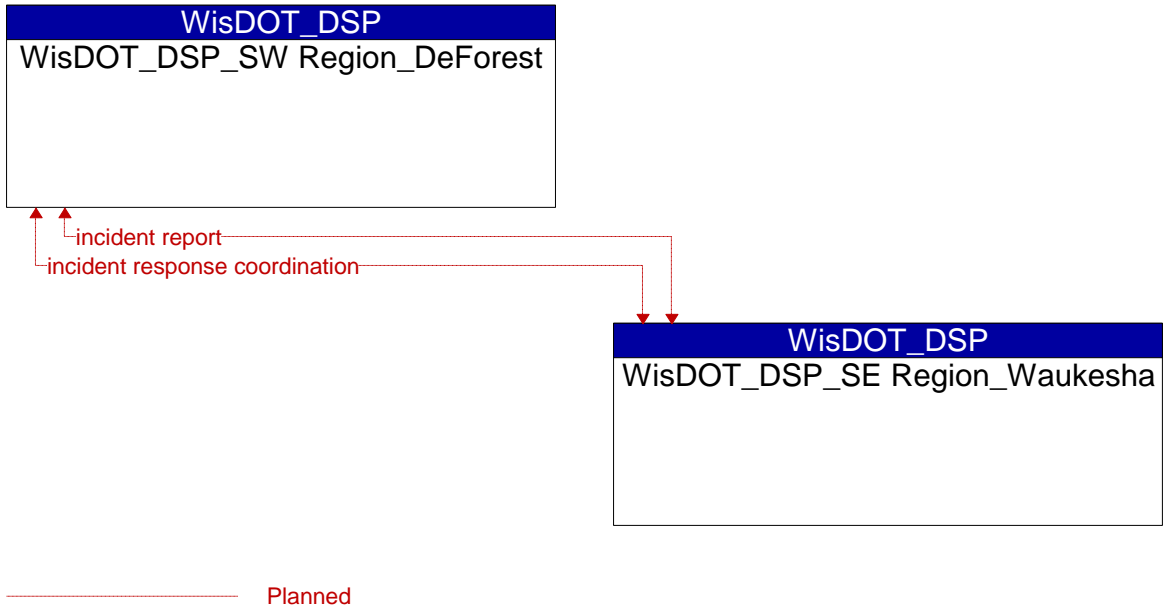


Figure 453: WisDOT_DSP_SE Region_Waukesha - WisDOT_DSP_SW Region_DeForest Interface

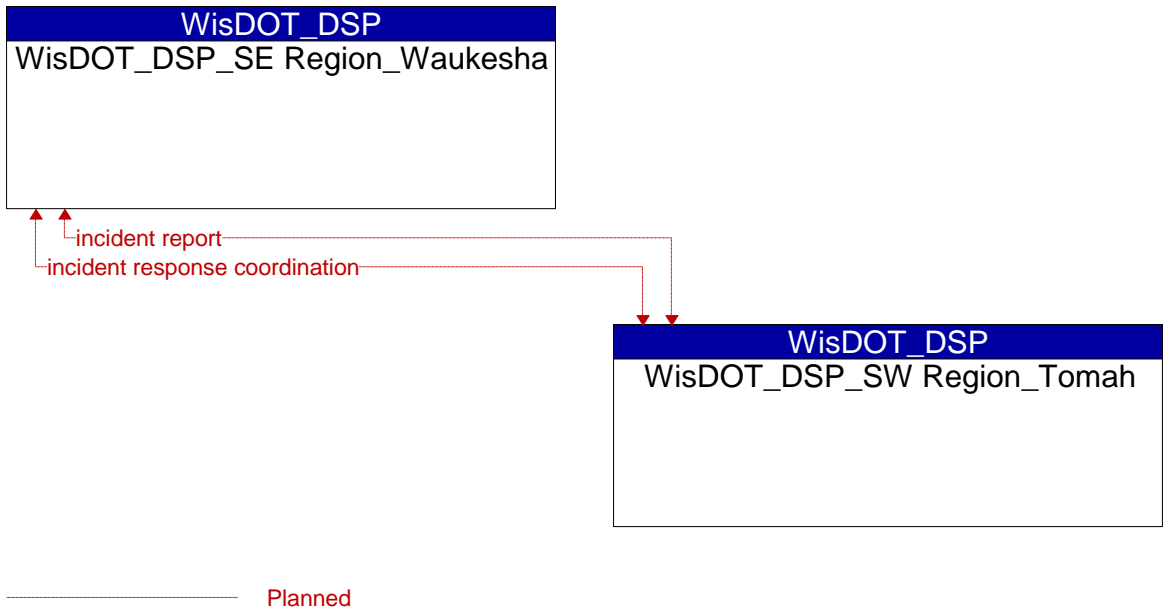


Figure 454: WisDOT_DSP_SE Region_Waukesha - WisDOT_DSP_SW Region_Tomah Interface

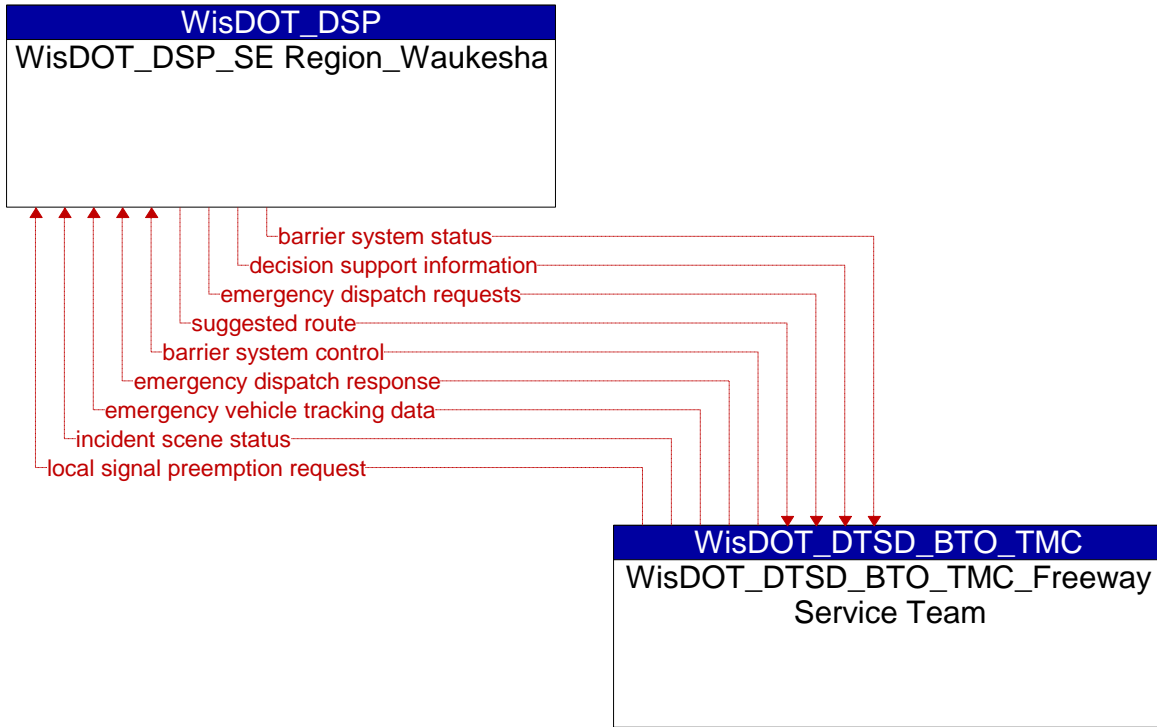


Figure 455: WisDOT_DSP_SE Region_Waukesha - WisDOT_DTSD_BTO_TMC_Freeway Service Team Interface

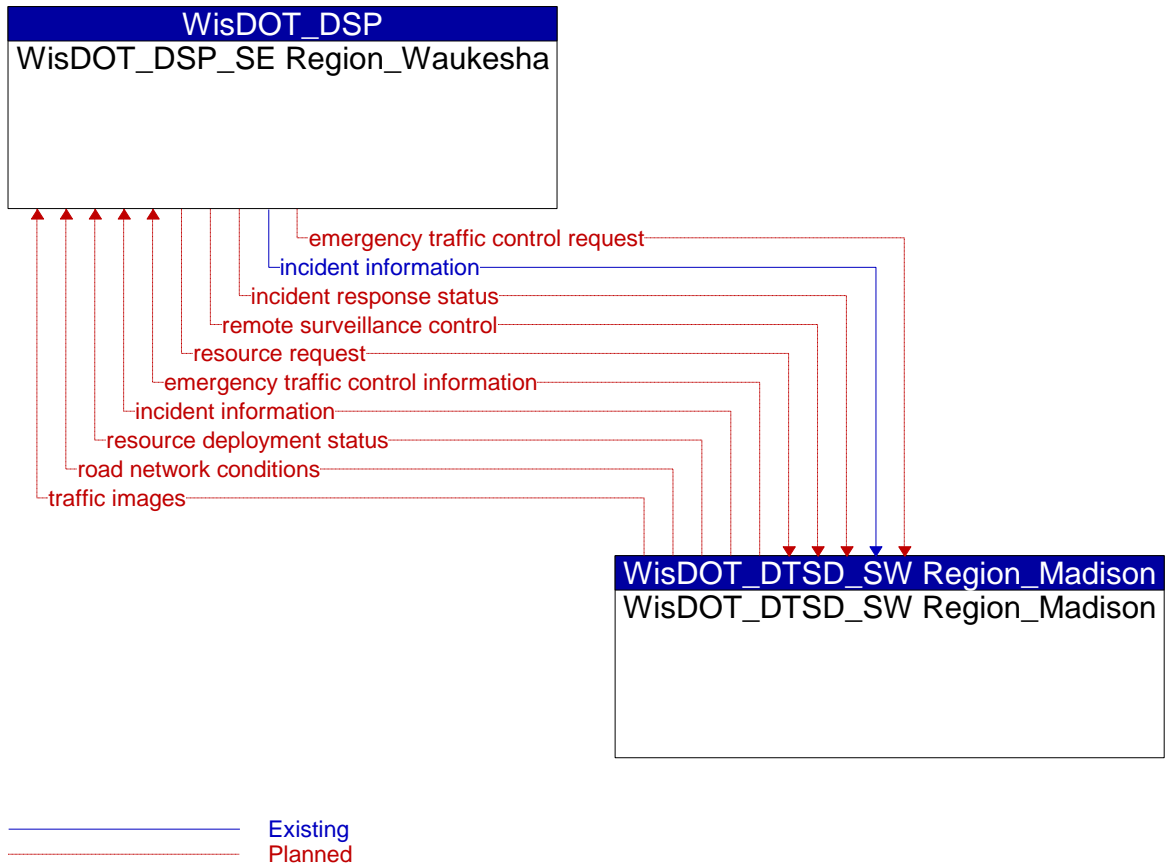


Figure 456: WisDOT_DSP_SE Region_Waukesha - WisDOT_DTSD_SW Region_Madison Interface

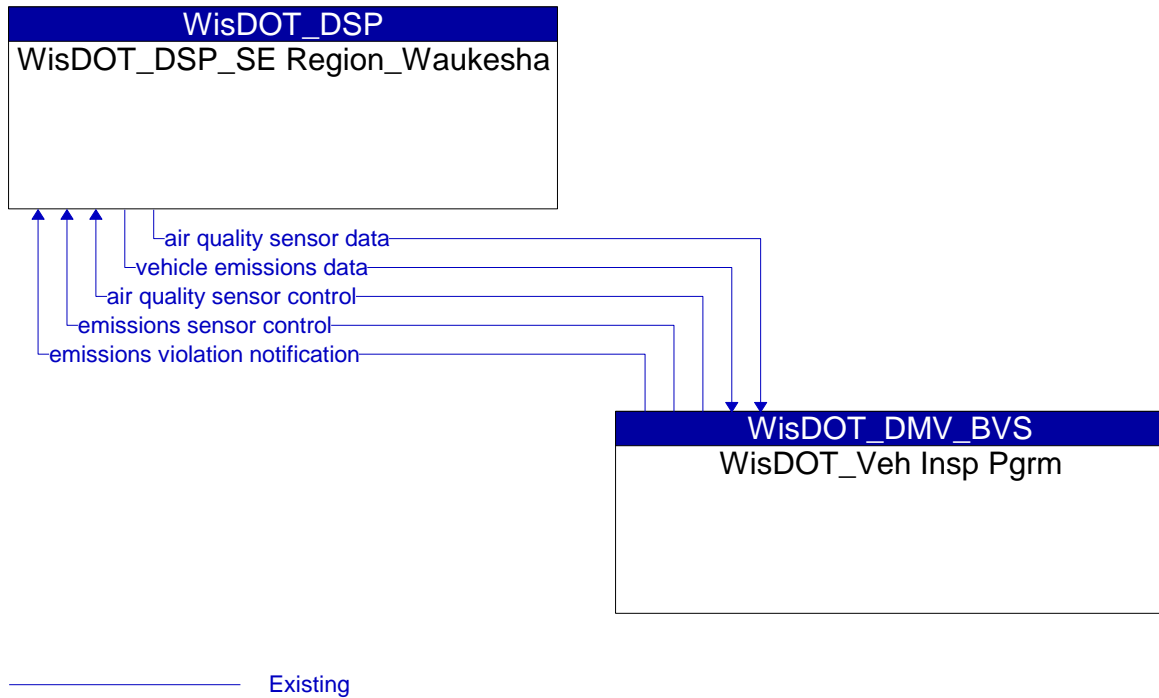


Figure 457: WisDOT_DSP_SE Region_Waukesha - WisDOT_Veh Insp Pgrm Interface

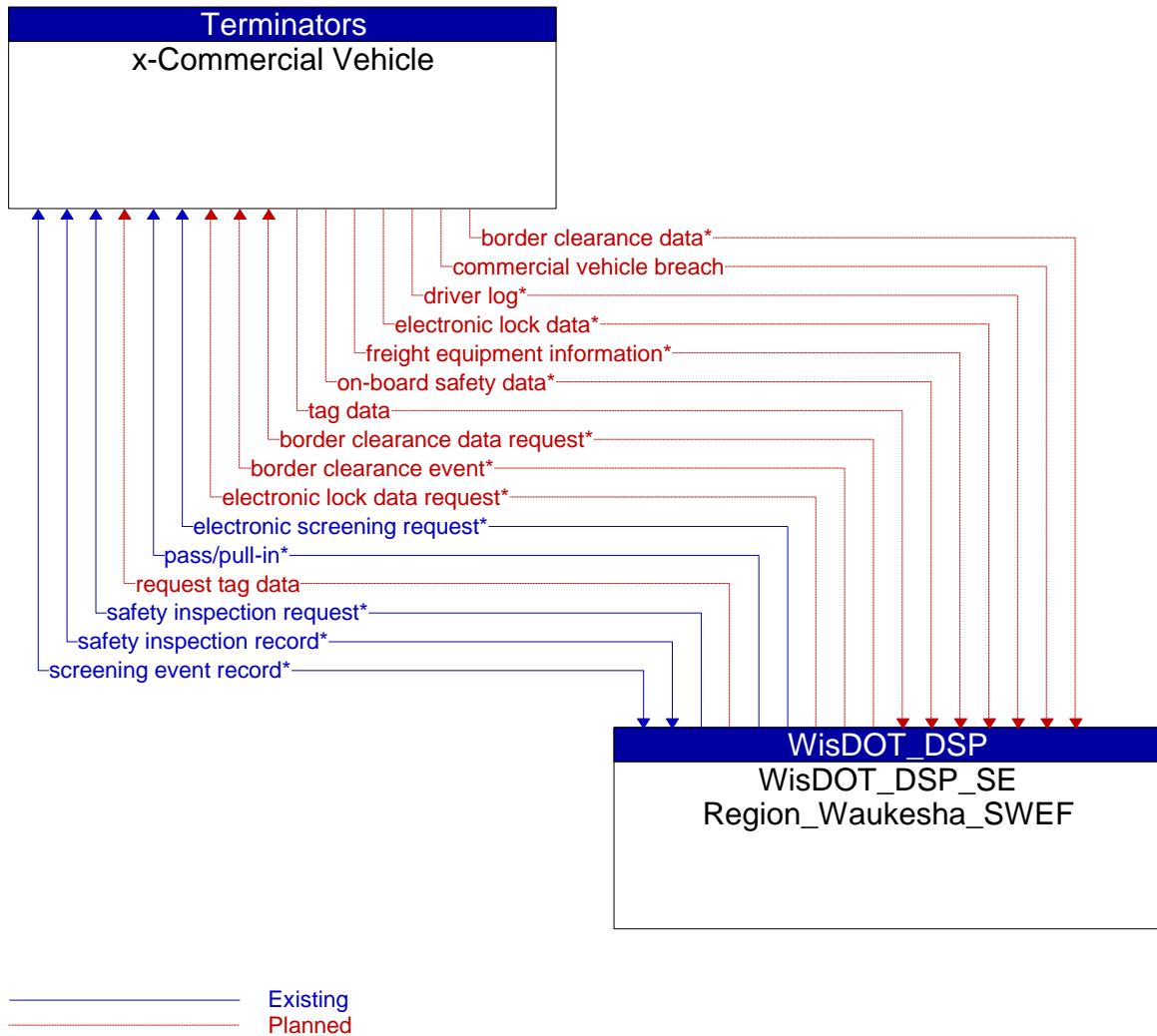


Figure 458: WisDOT_DSP_SE Region_Waukesha_SWEF - x-Commercial Vehicle Interface

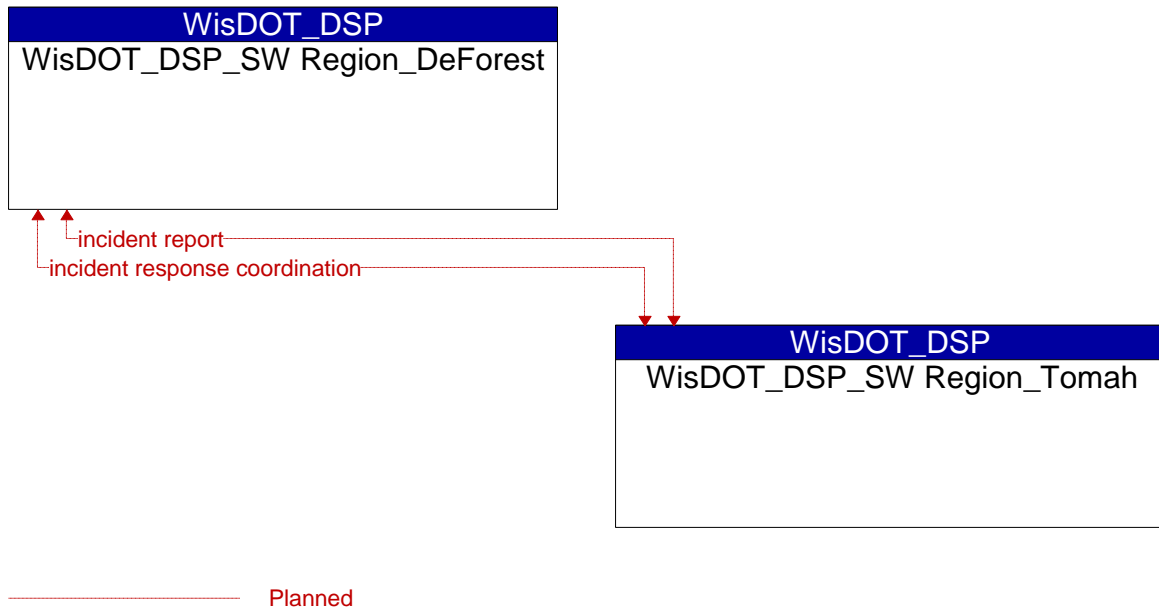


Figure 459: WisDOT_DSP_SW Region_DeForest - WisDOT_DSP_SW Region_Tomah Interface

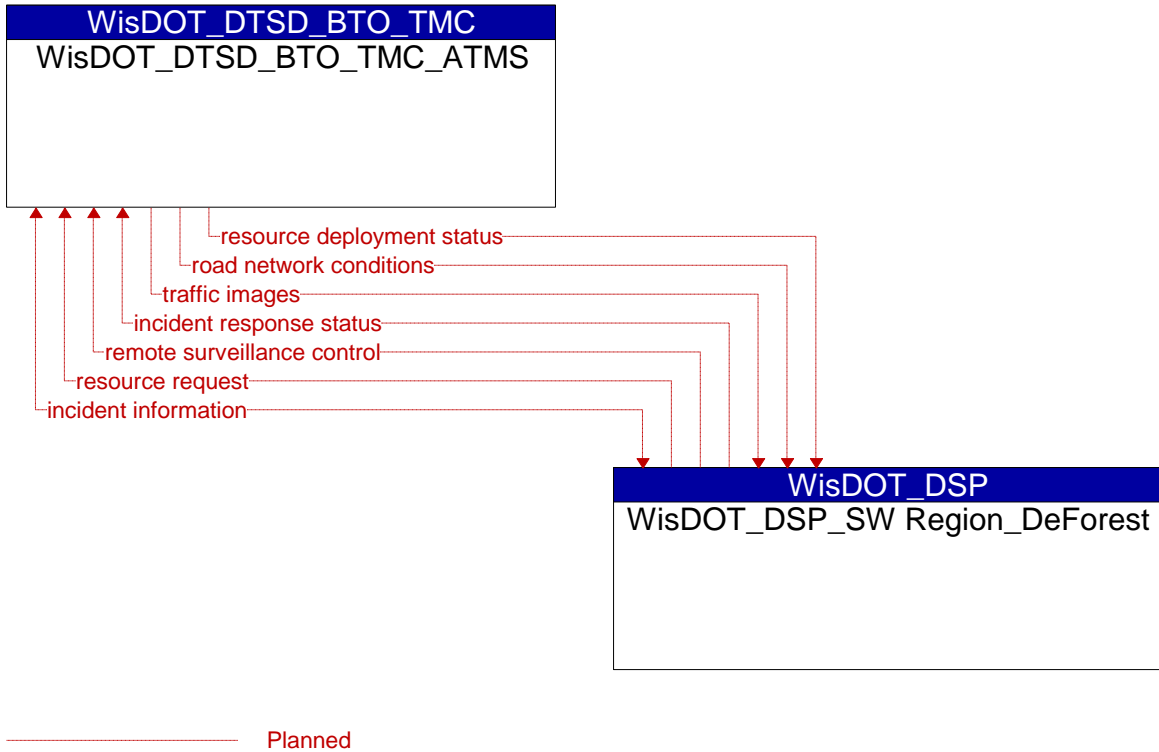


Figure 460: WisDOT_DSP_SW Region_DeForest - WisDOT_DTSD_BTO_TMC_ATMS Interface

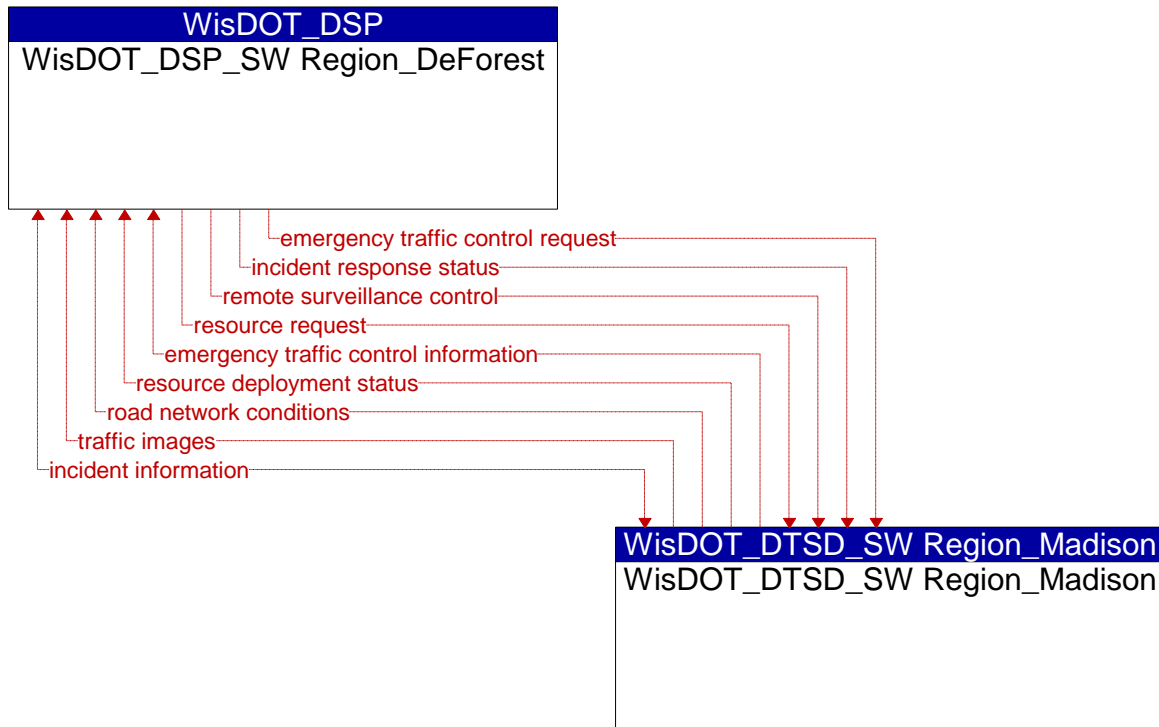


Figure 461: WisDOT_DSP_SW Region_DeForest - WisDOT_DTSD_SW Region_Madison Interface

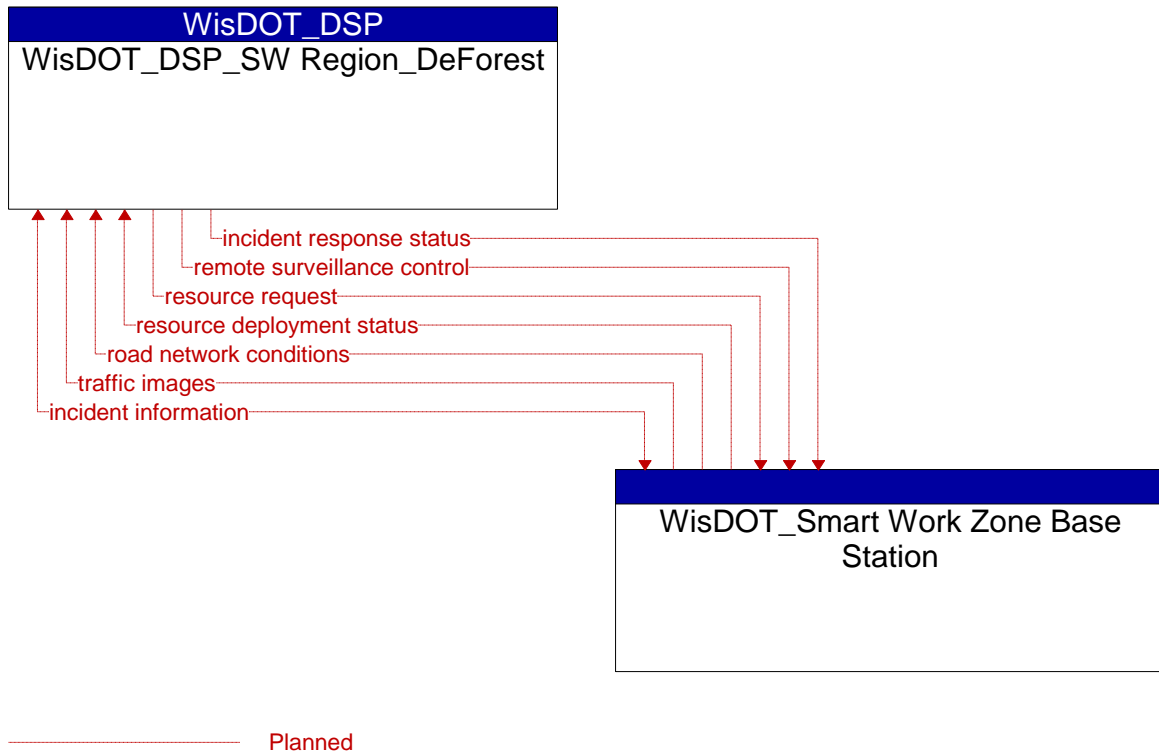


Figure 462: WisDOT_DSP_SW Region_DeForest - WisDOT_Smart Work Zone Base Station Interface

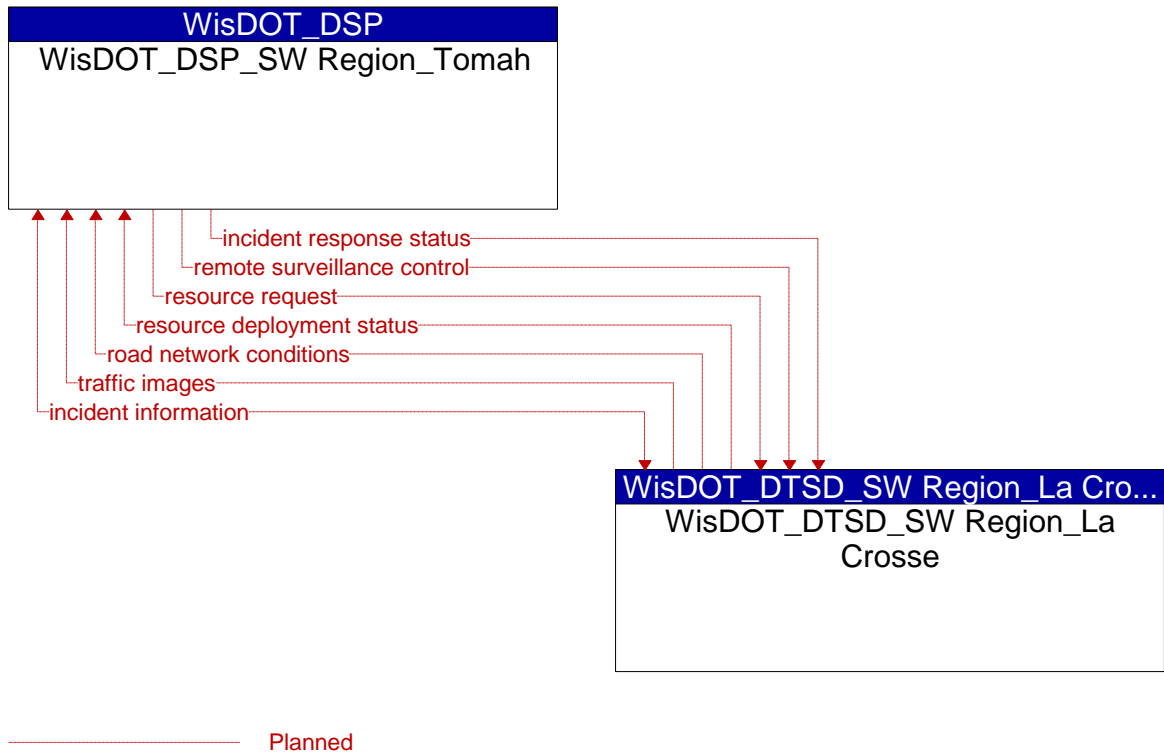


Figure 463: WisDOT_DSP_SW Region_Tomah - WisDOT_DTSD_SW Region_La Crosse Interface

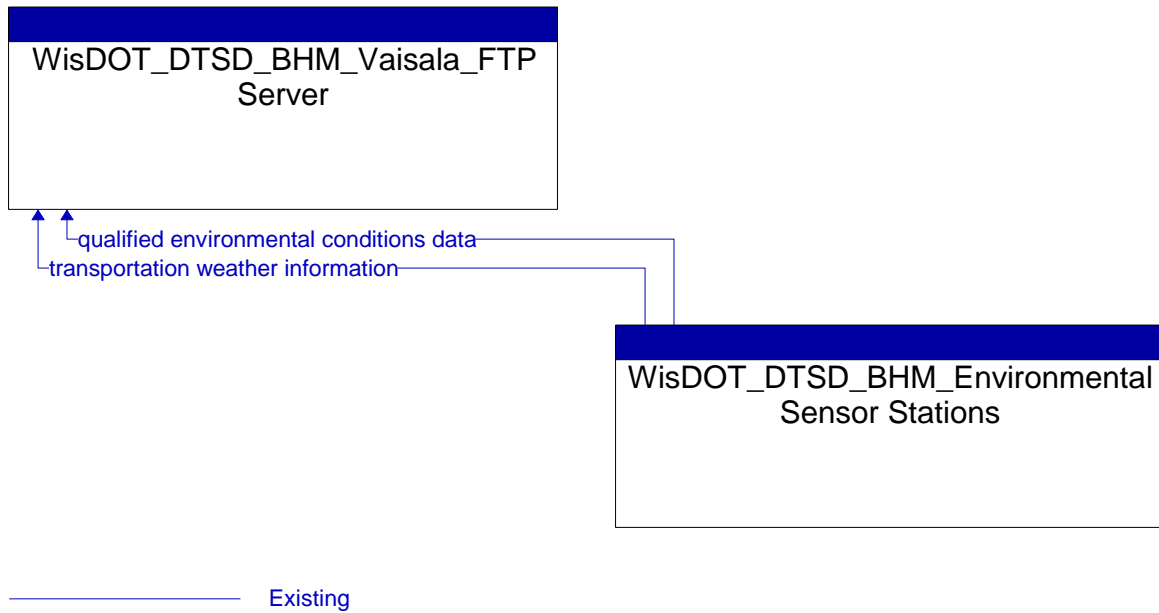


Figure 464: WisDOT_DTSD_BHM_Environmental Sensor Stations - WisDOT_DTSD_BHM_Vaisala_FTP Server Interface

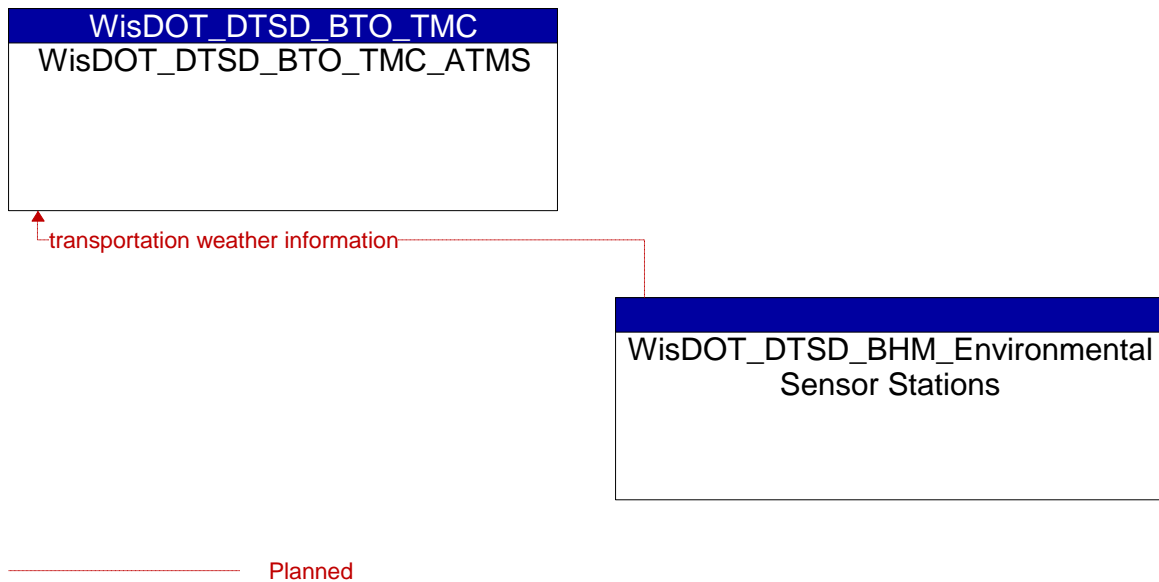


Figure 465: WisDOT_DTSD_BHM_Environmental Sensor Stations - WisDOT_DTSD_BTO_TMC_ATMS Interface

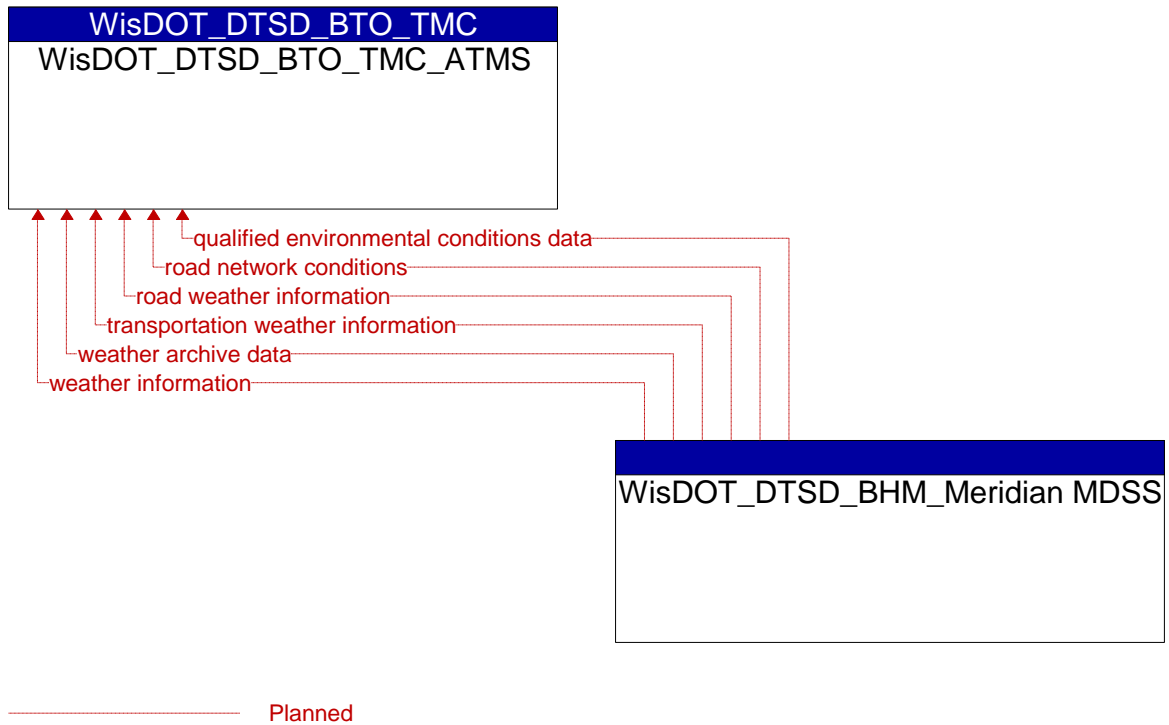


Figure 466: WisDOT_DTSD_BHM_Meridian MDSS - WisDOT_DTSD_BTO_TMC_ATMS Interface

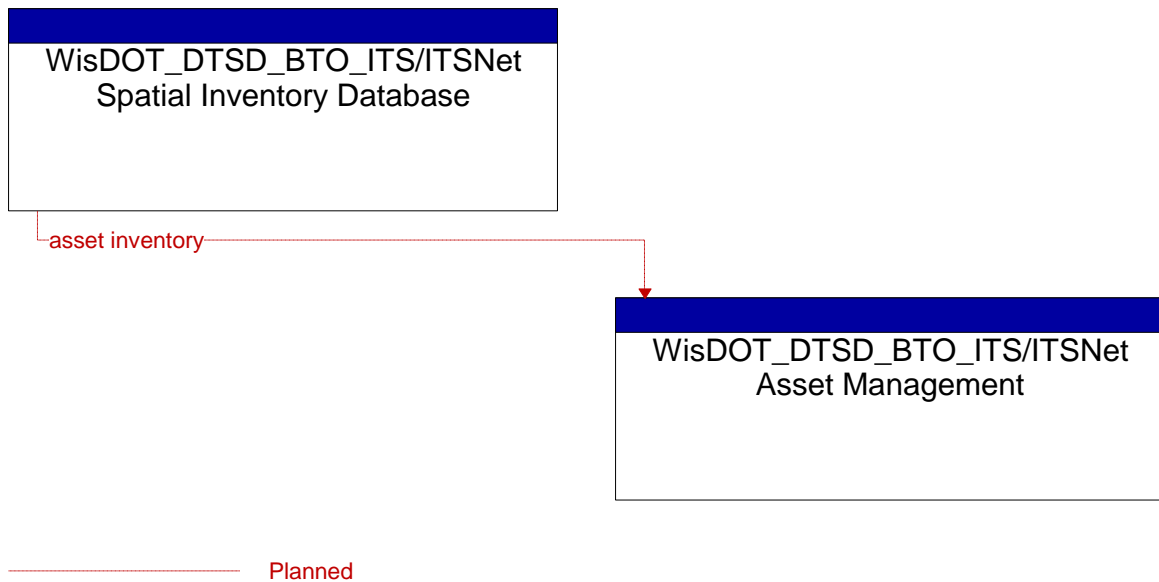


Figure 467: WisDOT_DTSD_BTO_ITS/ITSNet Asset Management - WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database Interface

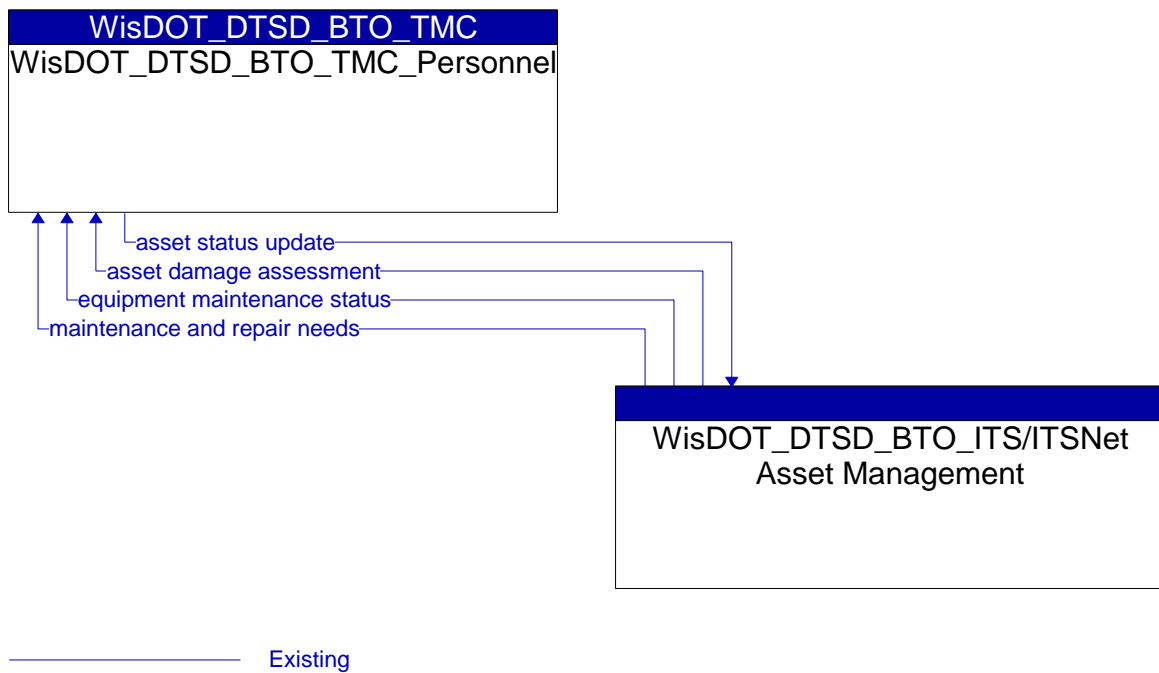


Figure 468: WisDOT_DTSD_BTO_ITS/ITSNet Asset Management - WisDOT_DTSD_BTO_TMC_Personnel Interface

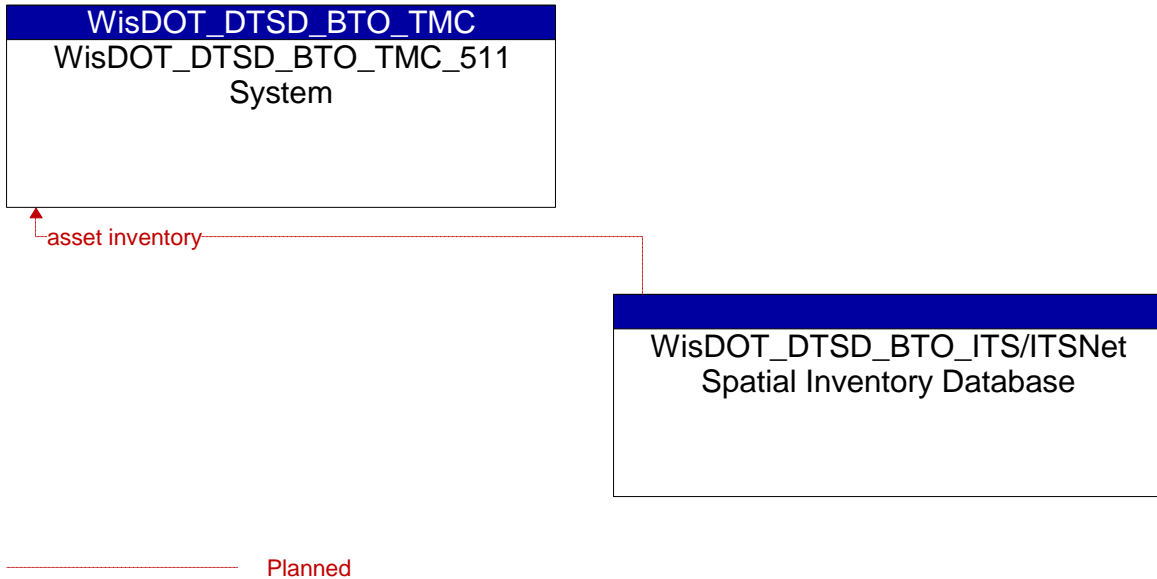


Figure 469: WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database - WisDOT_DTSD_BTO_TMC_511 System Interface

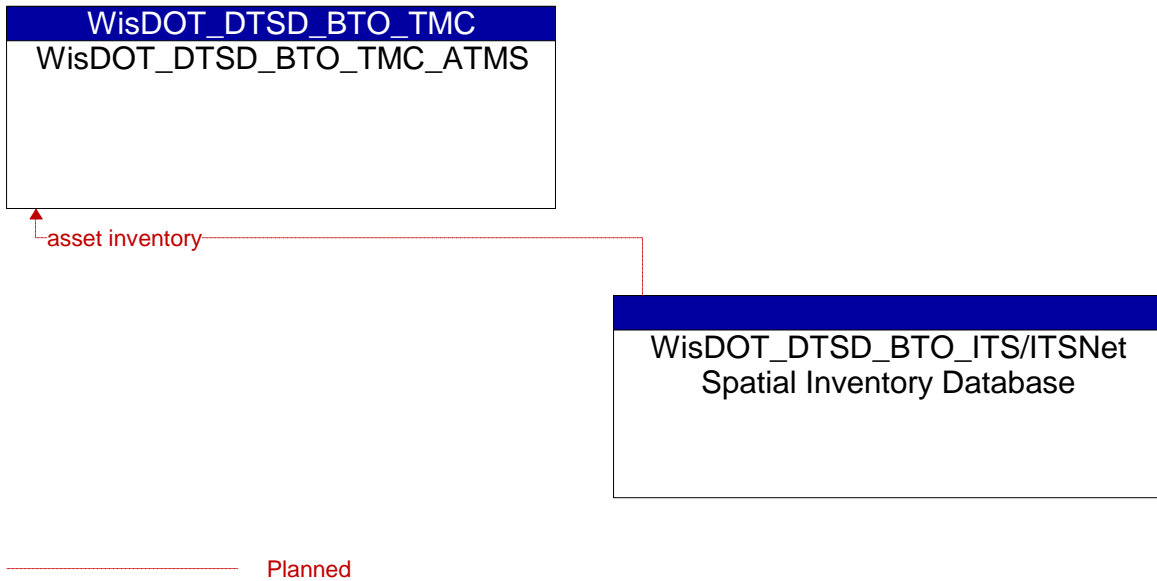


Figure 470: WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database - WisDOT_DTSD_BTO_TMC_ATMS Interface

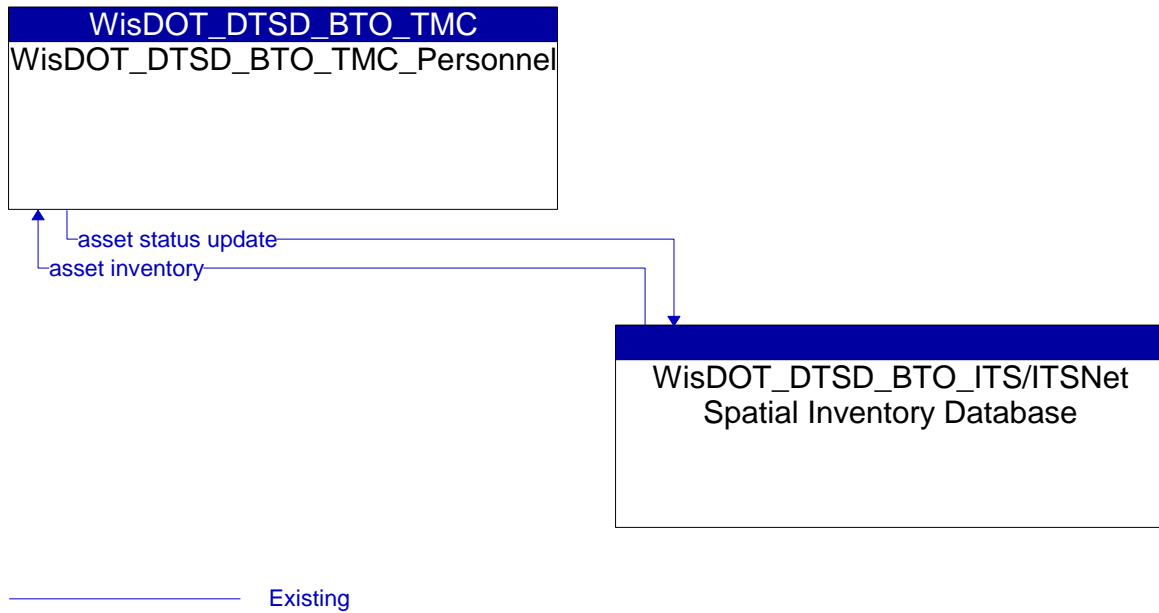


Figure 471: WisDOT_DTSD_BTO_ITS/ITSNet Spatial Inventory Database - WisDOT_DTSD_BTO_TMC_Personnel Interface

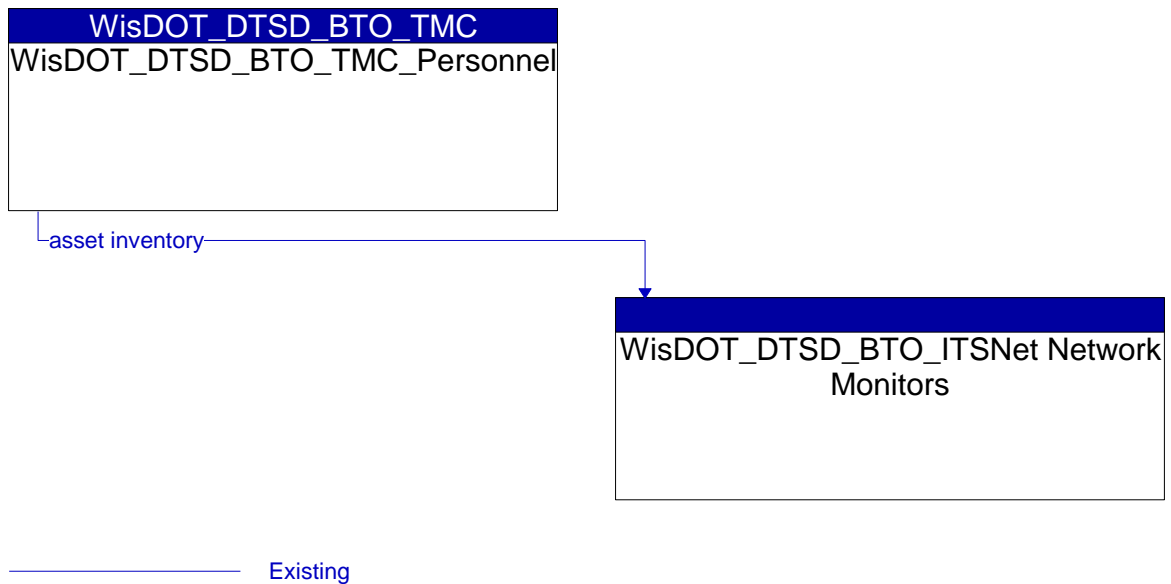


Figure 472: WisDOT_DTSD_BTO_ITSNet Network Monitors - WisDOT_DTSD_BTO_TMC_Personnel Interface

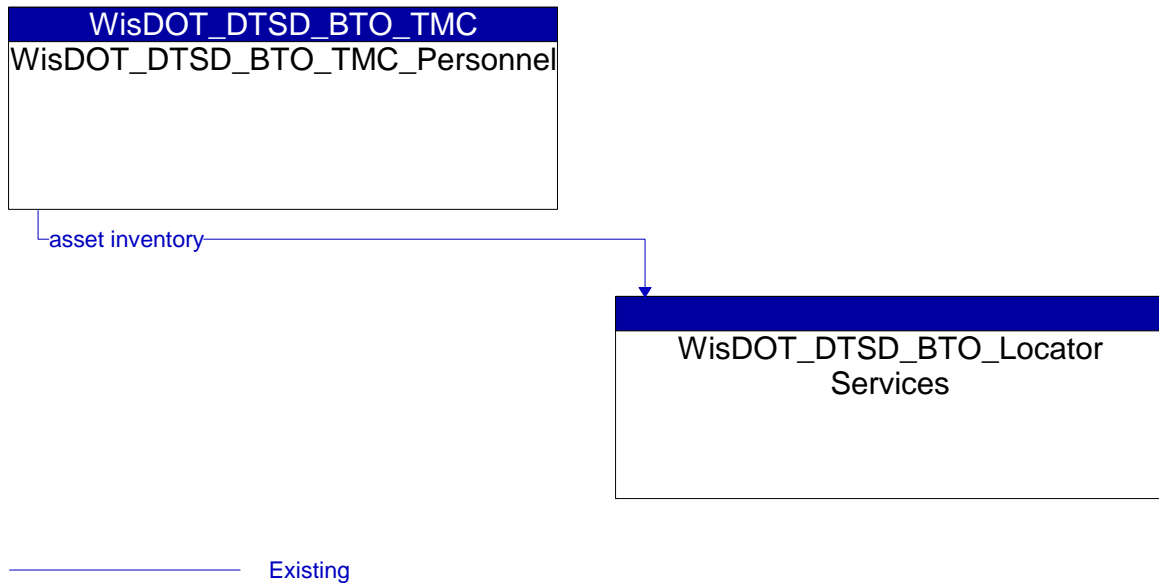


Figure 473: WisDOT_DTSD_BTO_Locator Services - WisDOT_DTSD_BTO_TMC_Personnel Interface

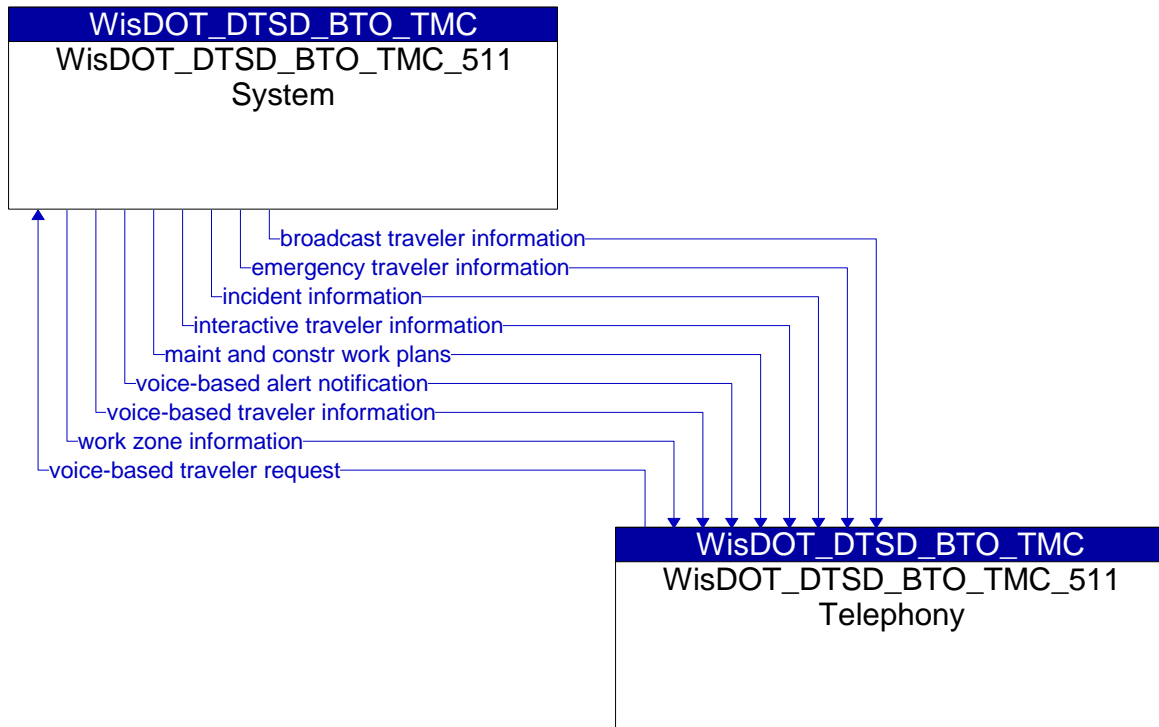
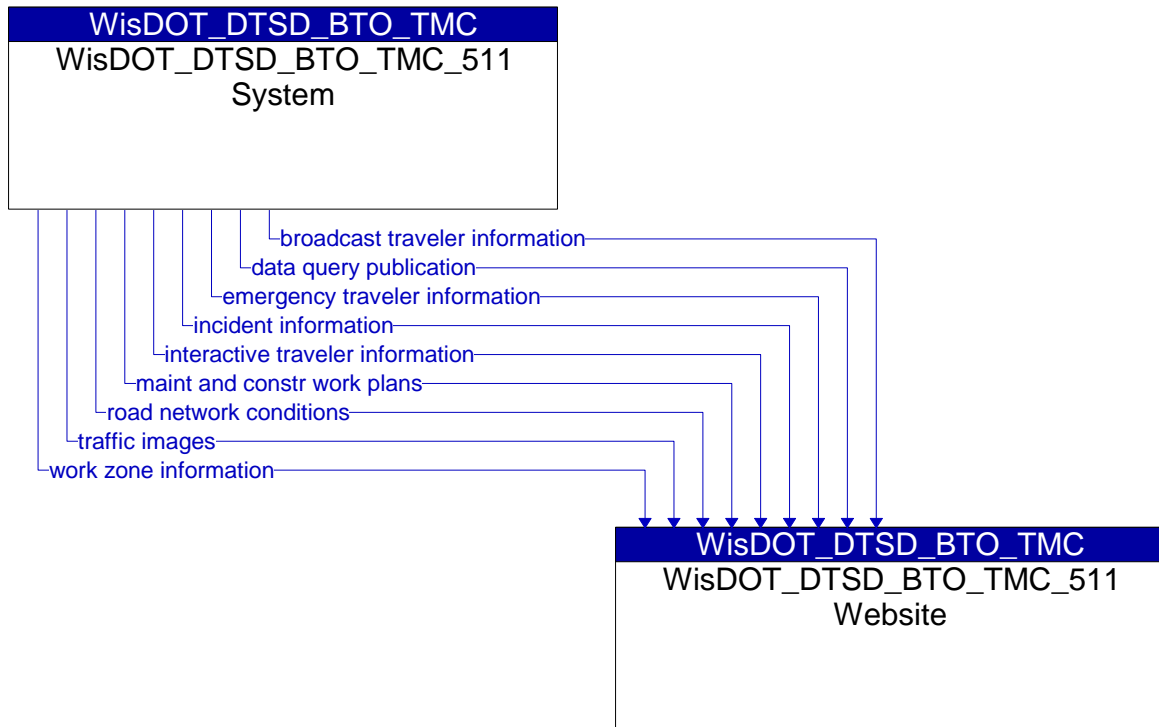


Figure 474: WisDOT_DTSD_BTO_TMC_511 System - WisDOT_DTSD_BTO_TMC_511 Telephony Interface



Existing

Figure 475: WisDOT_DTSD_BTO_TMC_511 System - WisDOT_DTSD_BTO_TMC_511 Website Interface

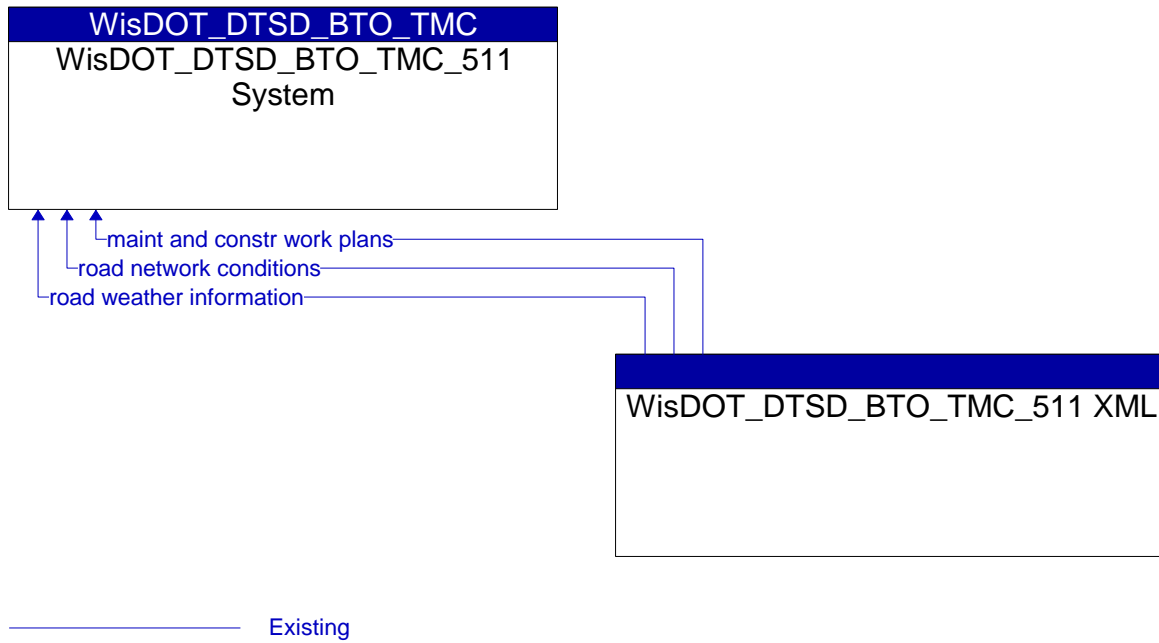


Figure 476: WisDOT_DTSD_BTO_TMC_511 System - WisDOT_DTSD_BTO_TMC_511 XML Interface

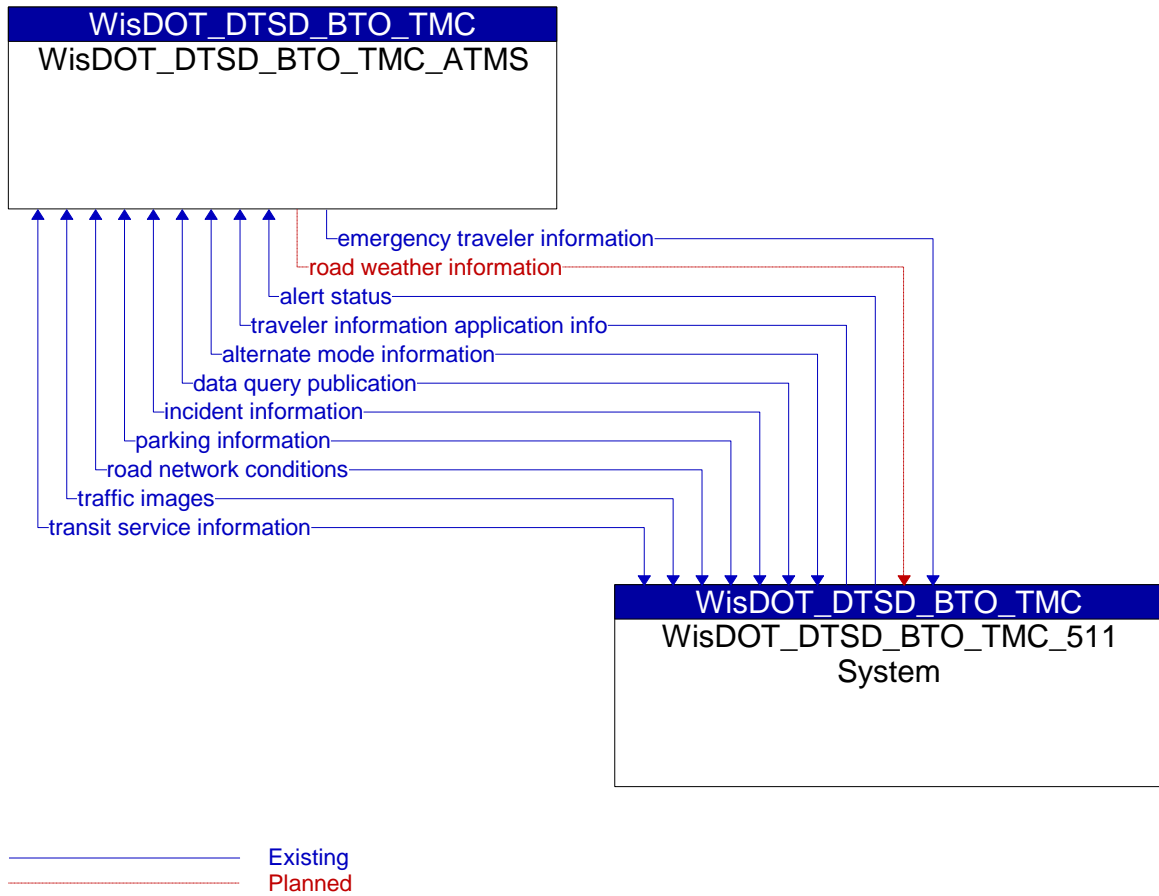


Figure 477: WisDOT_DTSD_BTO_TMC_511 System - WisDOT_DTSD_BTO_TMC_ATMS Interface

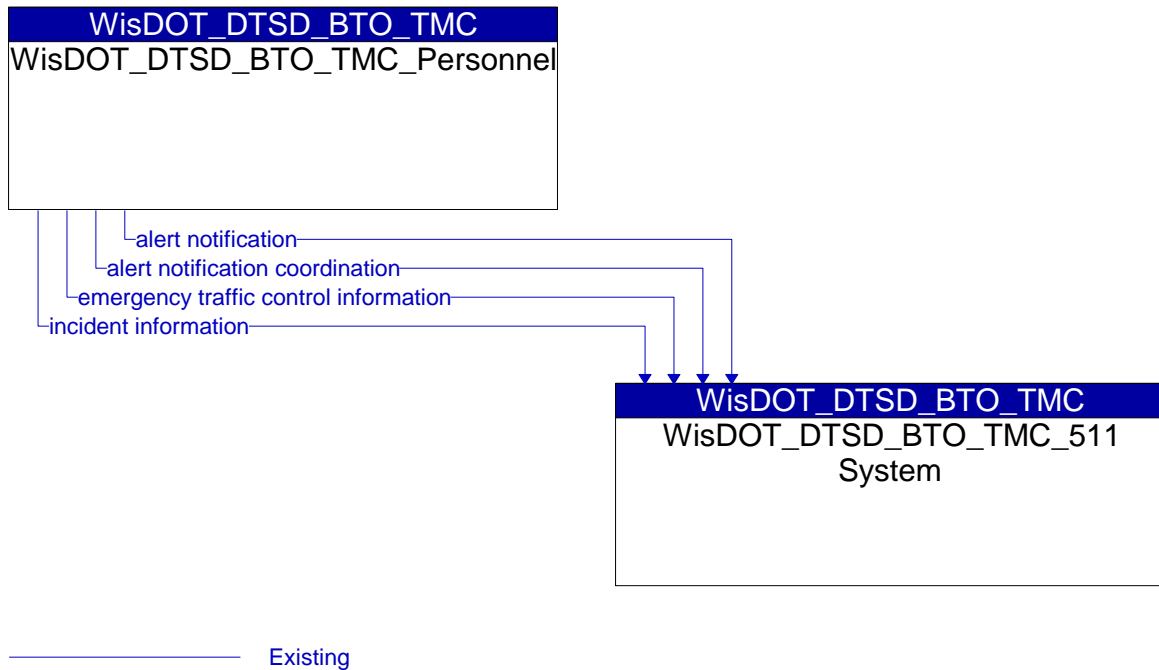


Figure 478: WisDOT_DTSD_BTO_TMC_511 System - WisDOT_DTSD_BTO_TMC_Personnel Interface

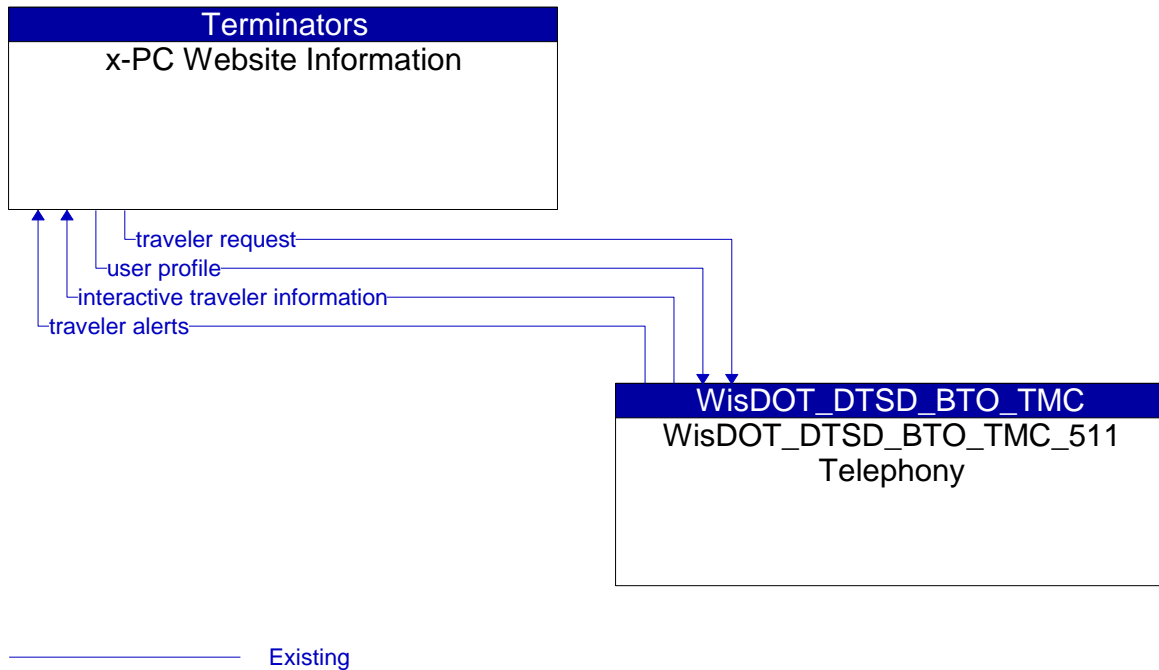


Figure 479: WisDOT_DTSD_BTO_TMC_511 Telephony - x-PC Website Information Interface

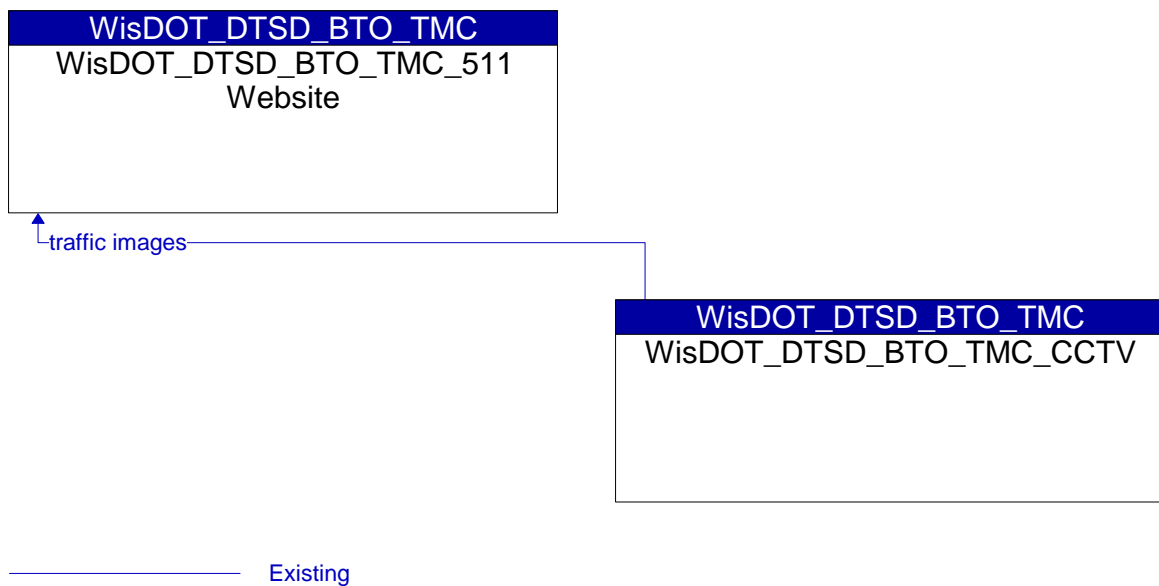


Figure 480: WisDOT_DTSD_BTO_TMC_511 Website - WisDOT_DTSD_BTO_TMC_CCTV Interface

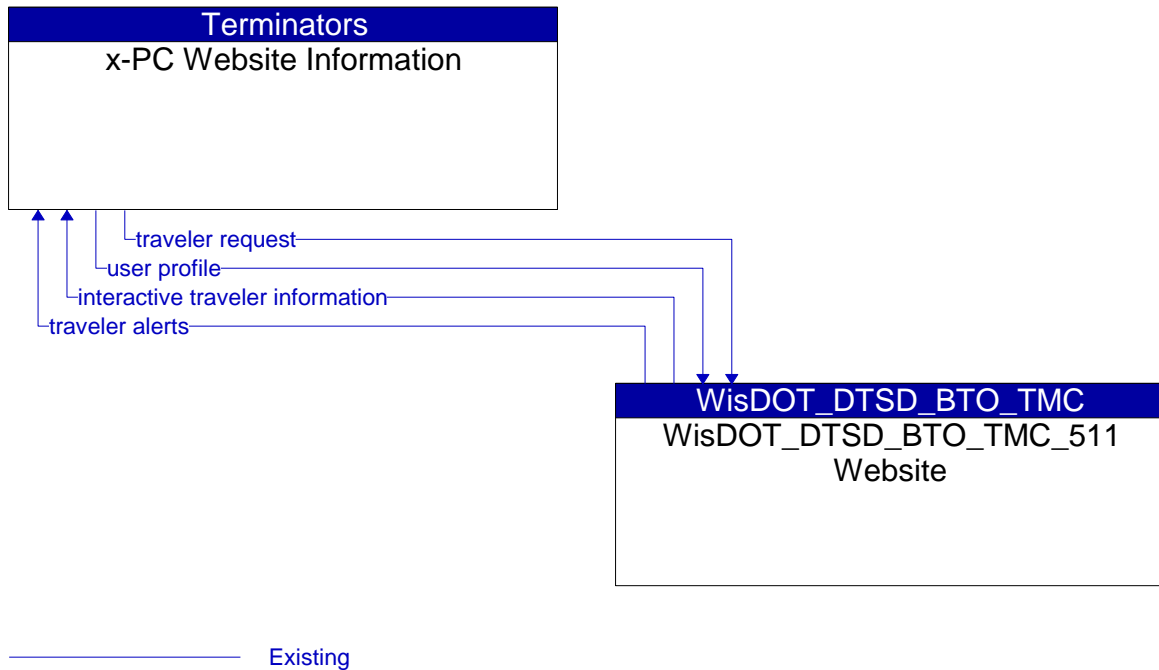


Figure 481: WisDOT_DTSD_BTO_TMC_511 Website - x-PC Website Information Interface

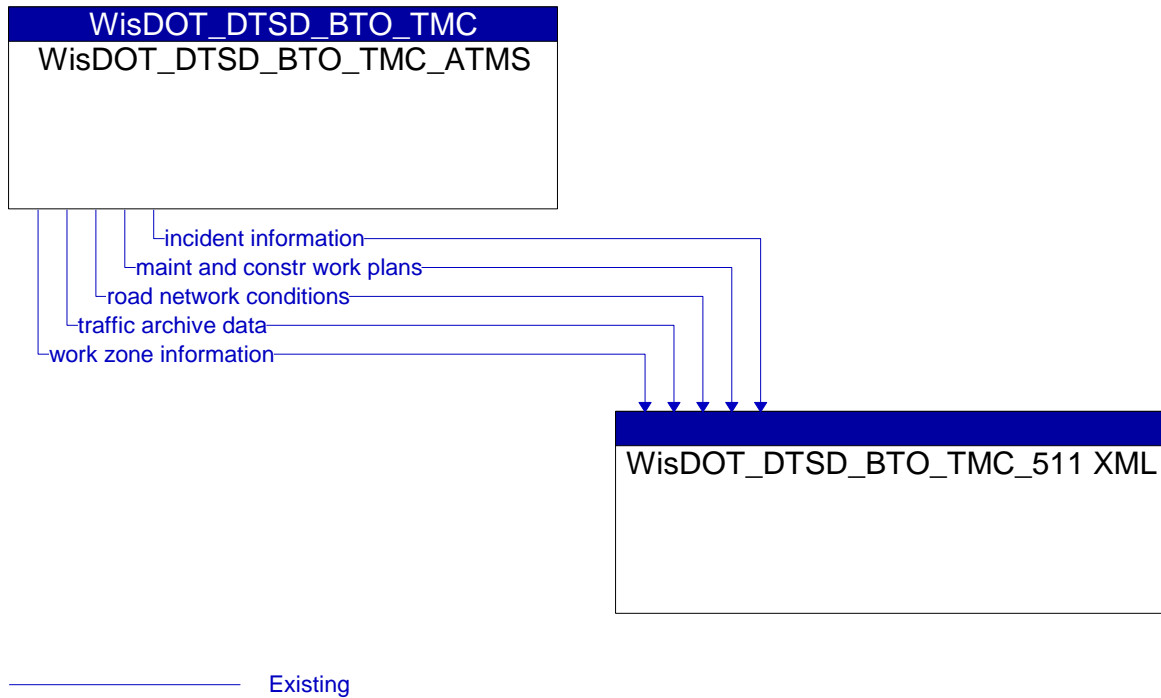


Figure 482: WisDOT_DTSD_BTO_TMC_511 XML - WisDOT_DTSD_BTO_TMC_ATMS Interface

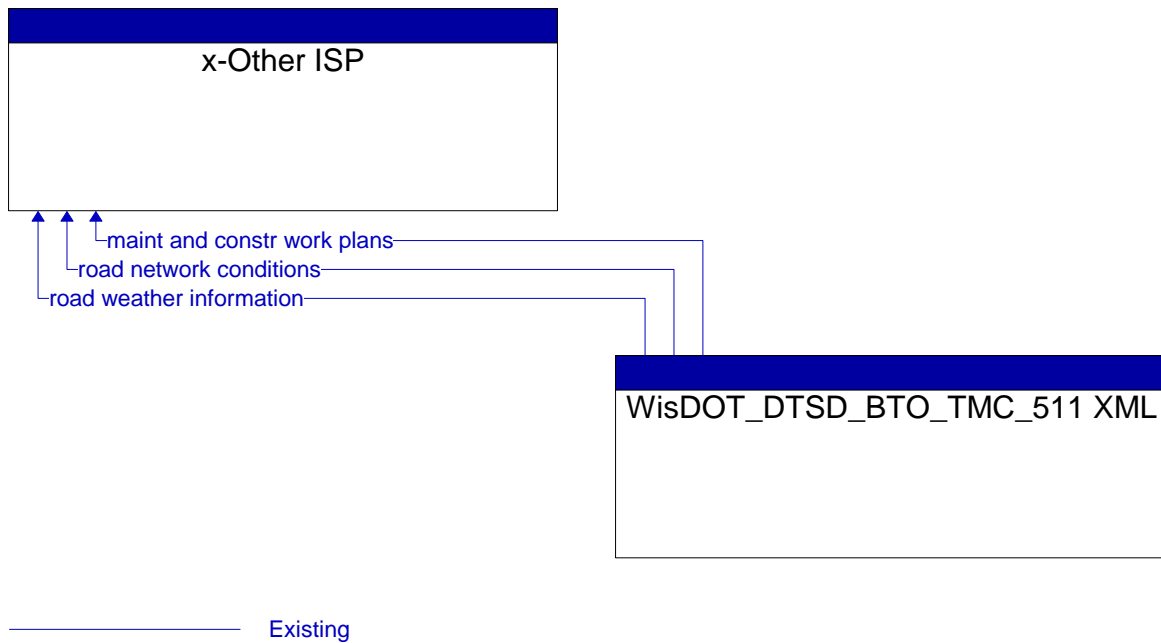


Figure 483: WisDOT_DTSD_BTO_TMC_511 XML - x-Other ISP Interface

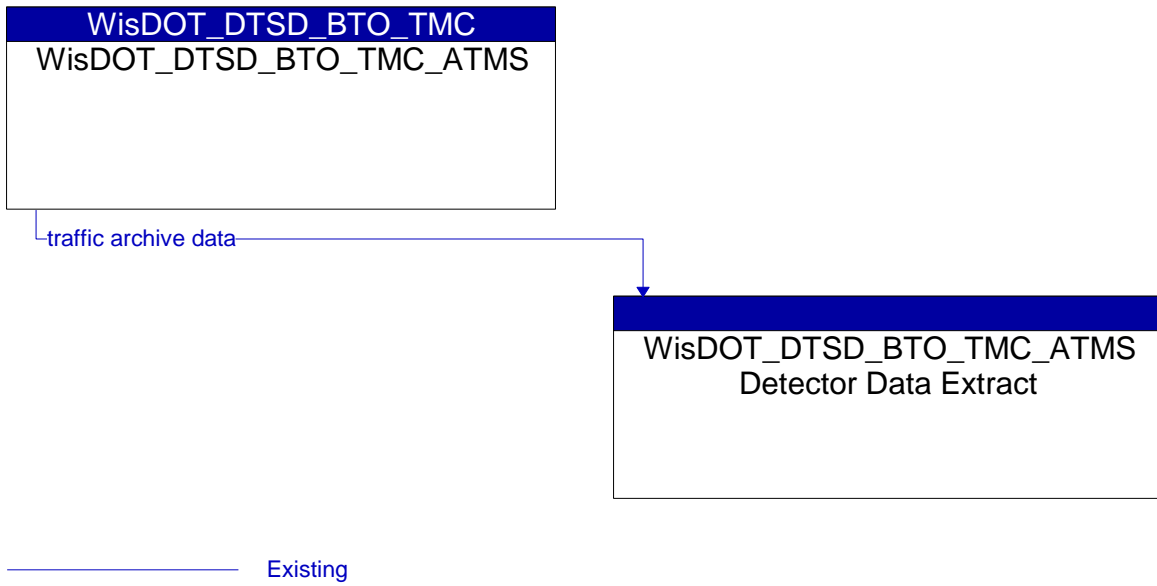


Figure 484: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_BTO_TMC_ATMS Detector Data Extract Interface

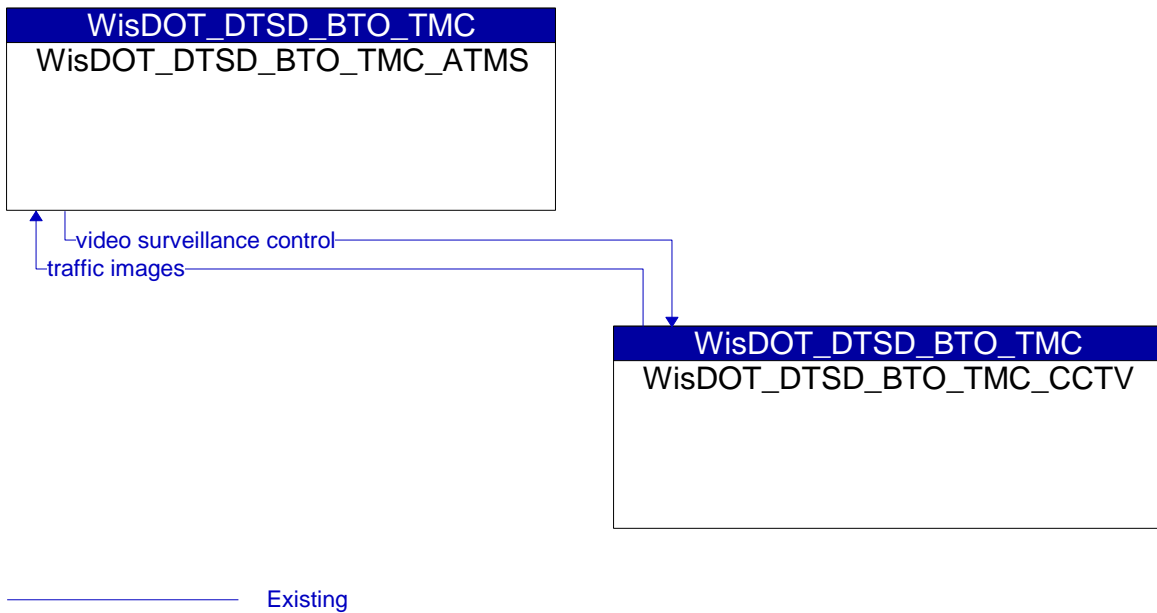


Figure 485: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_BTO_TMC_CCTV Interface

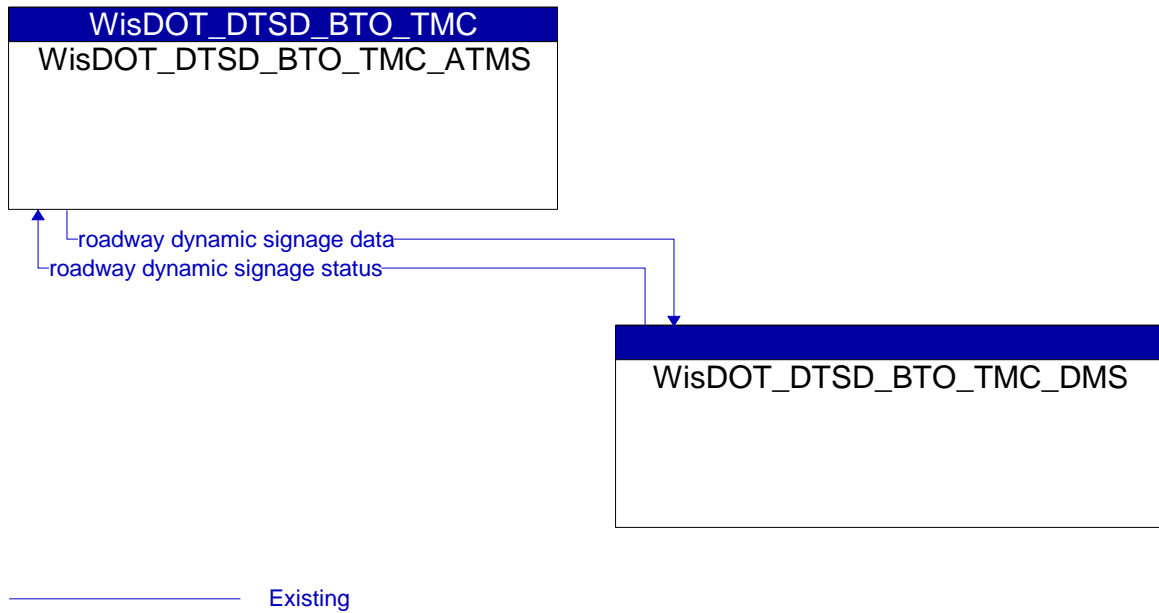


Figure 486: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_BTO_TMC_DMS Interface

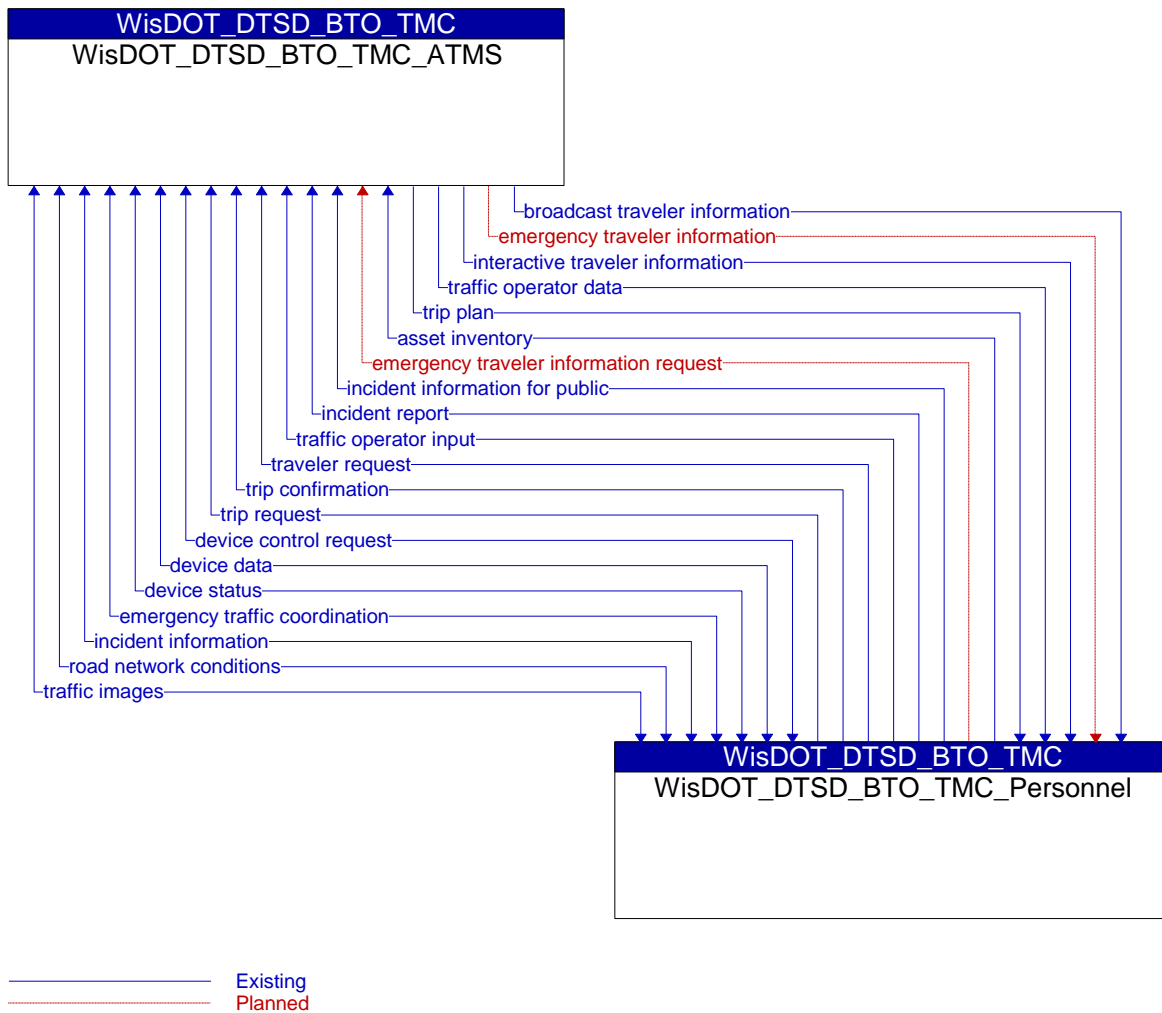


Figure 487: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_BTO_TMC_Personnel Interface

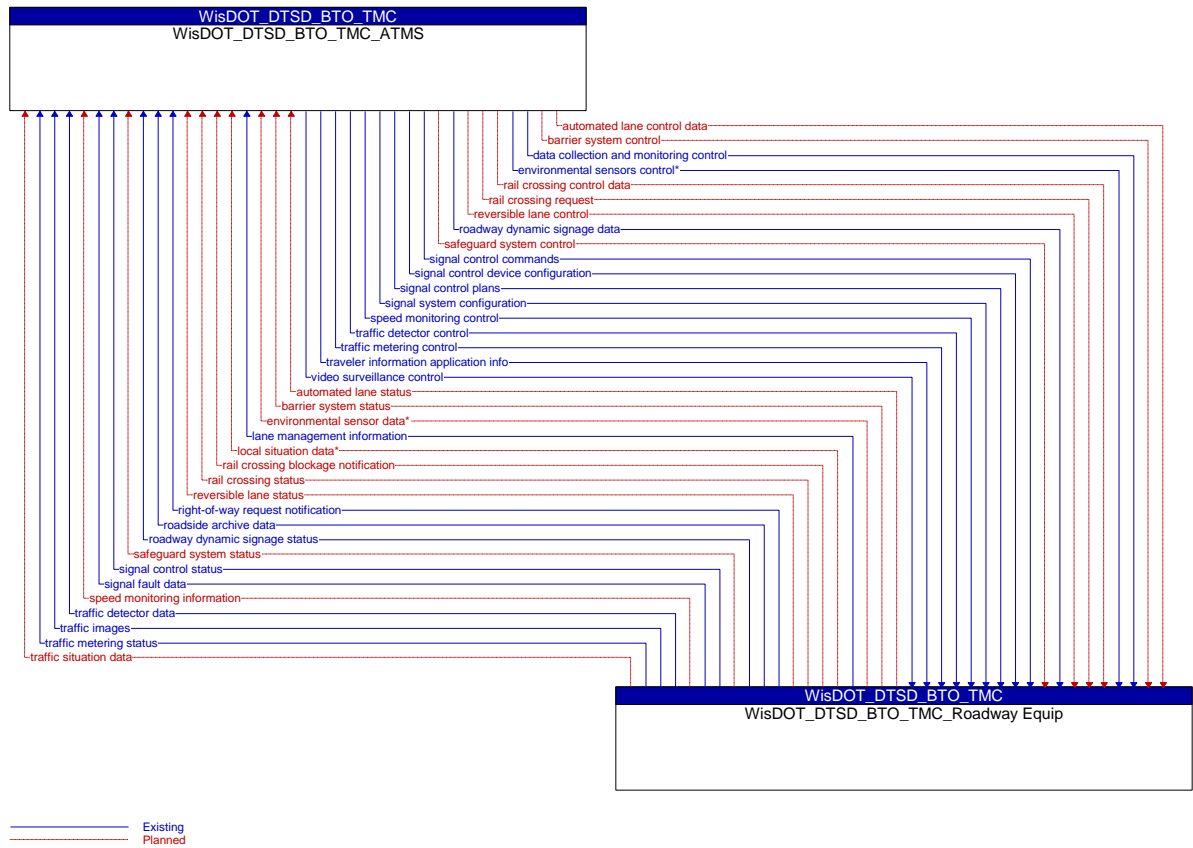


Figure 488: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface

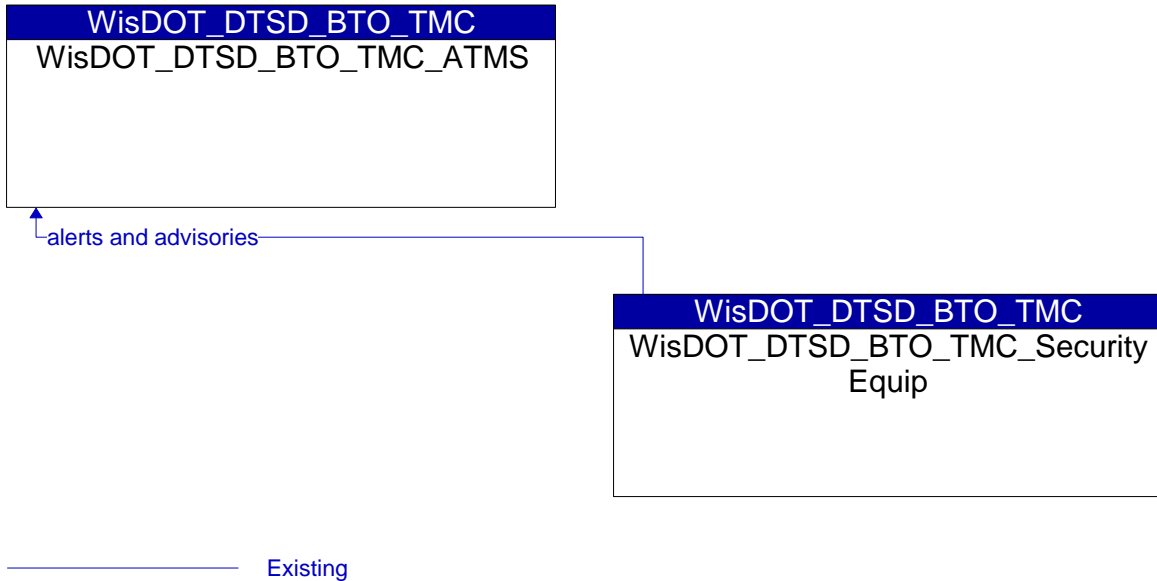


Figure 489: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_BTO_TMC_Security Equip Interface

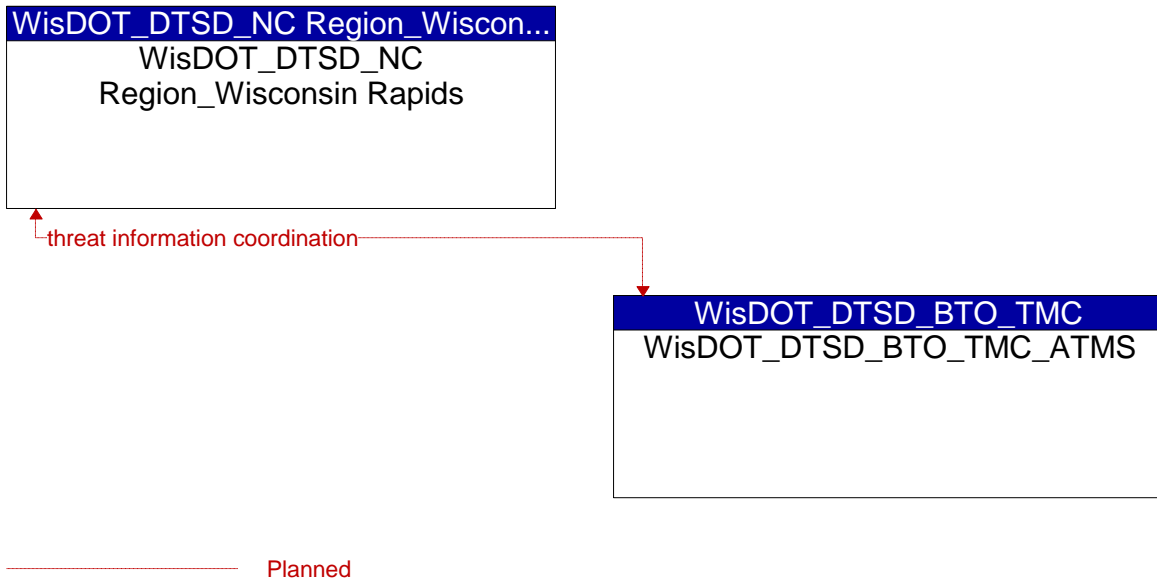


Figure 490: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface

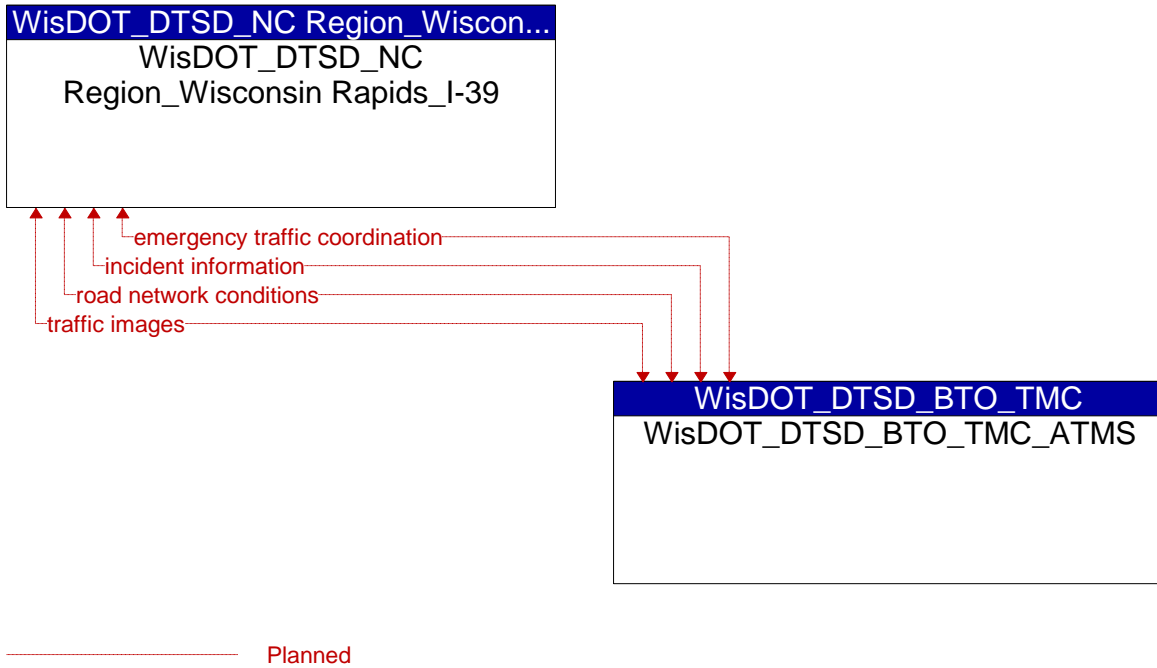


Figure 491: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 Interface

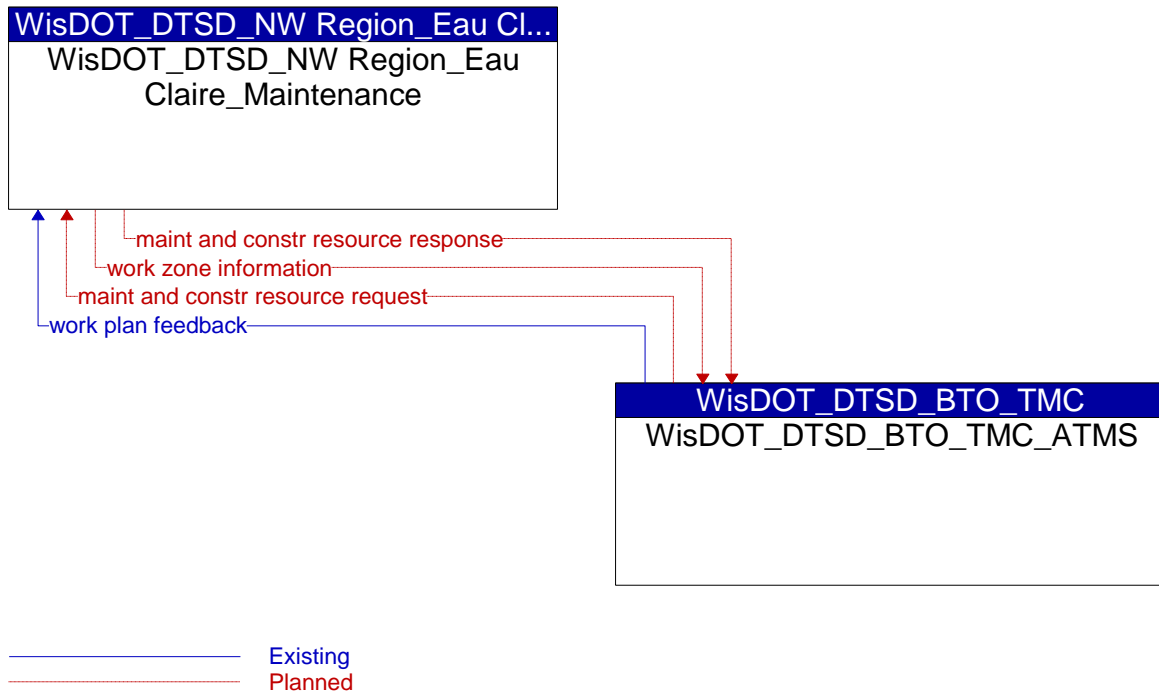


Figure 492: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_NW Region_Eau Claire_Maintenance Interface

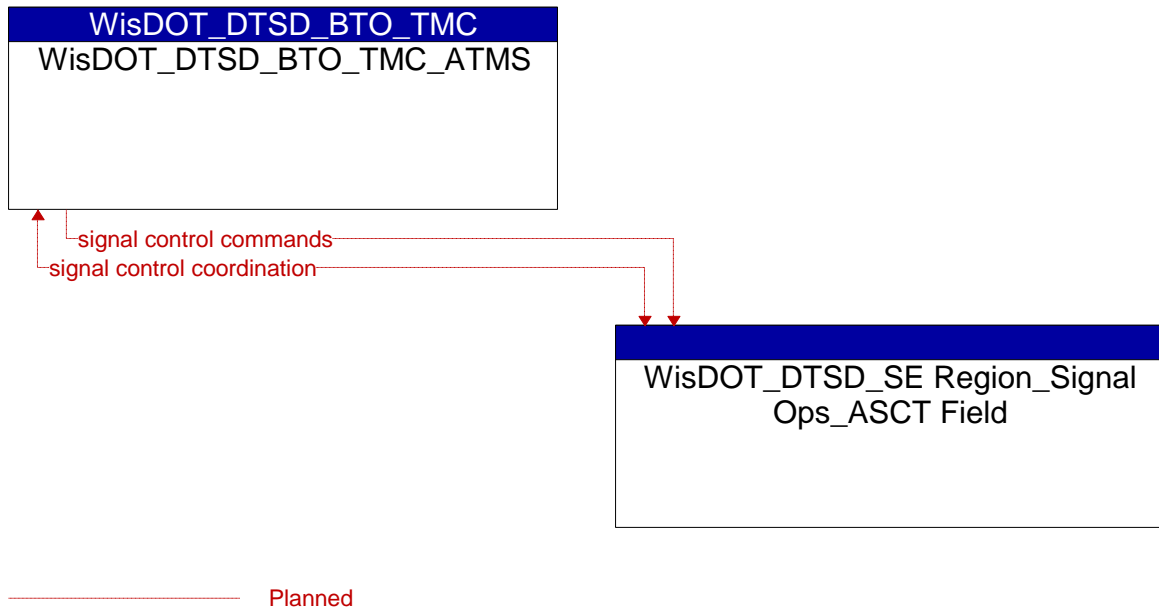


Figure 493: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_SE Region_Signal Ops_ASCT Field Interface

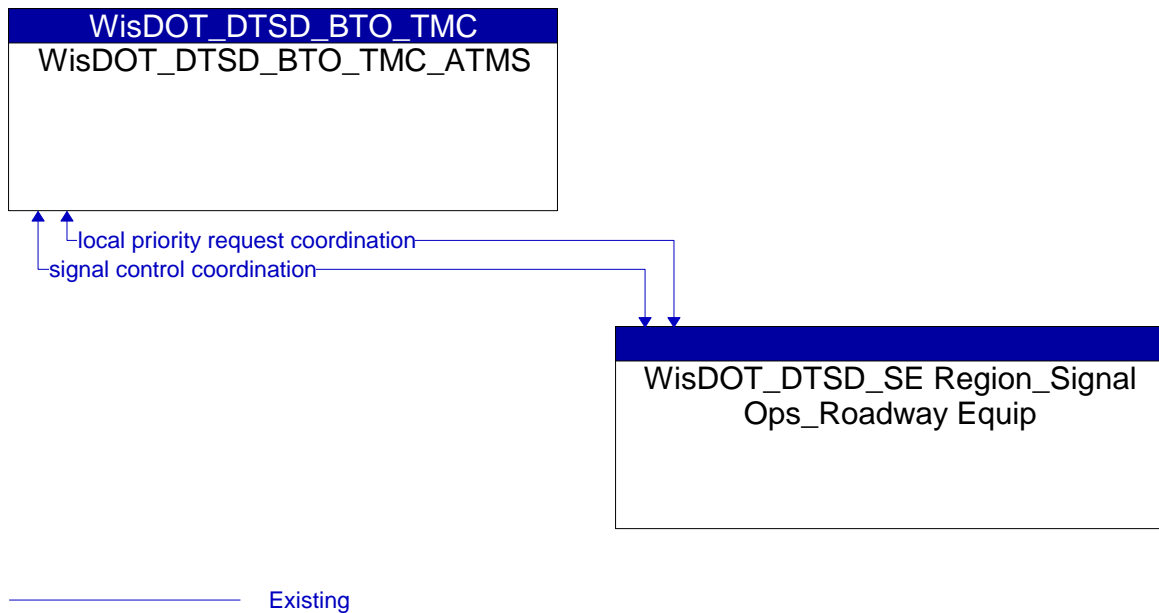


Figure 494: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip Interface

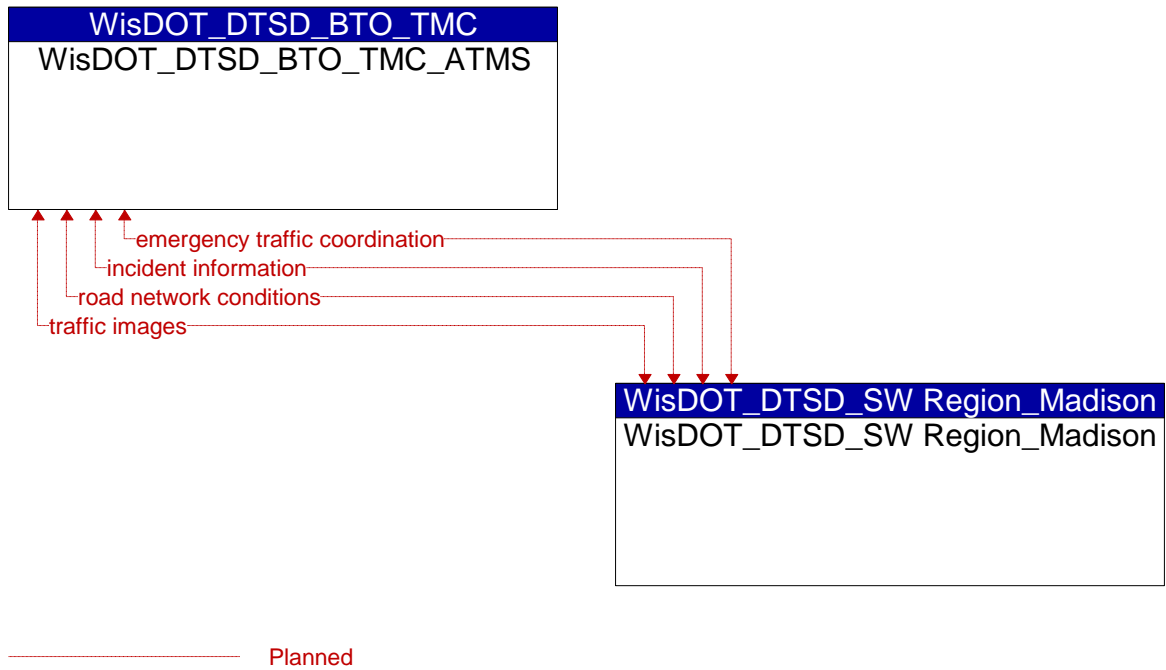
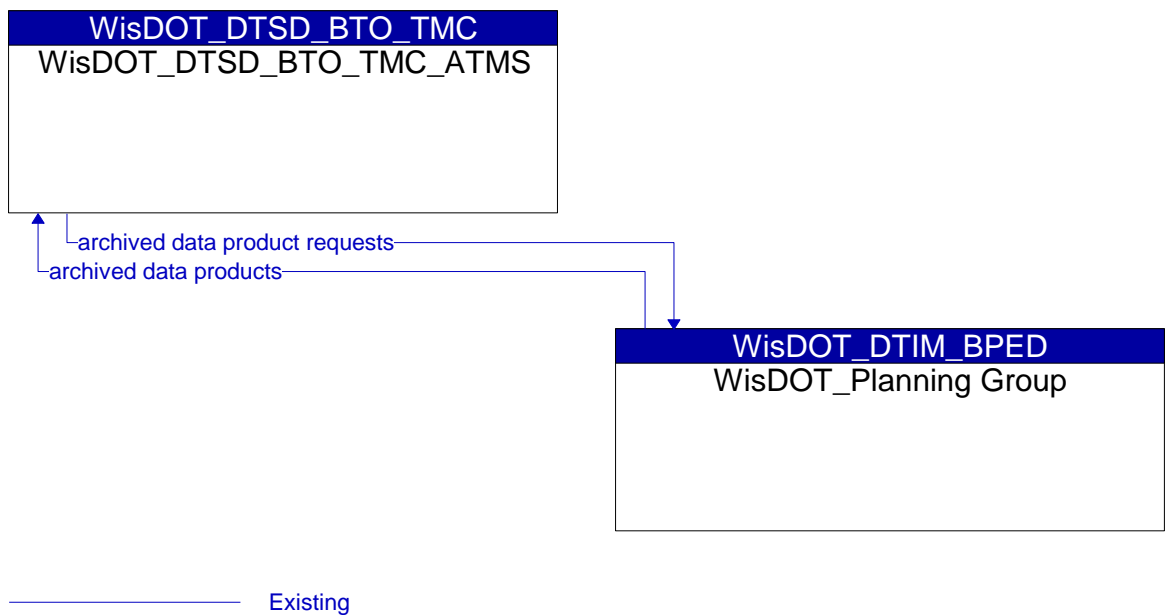
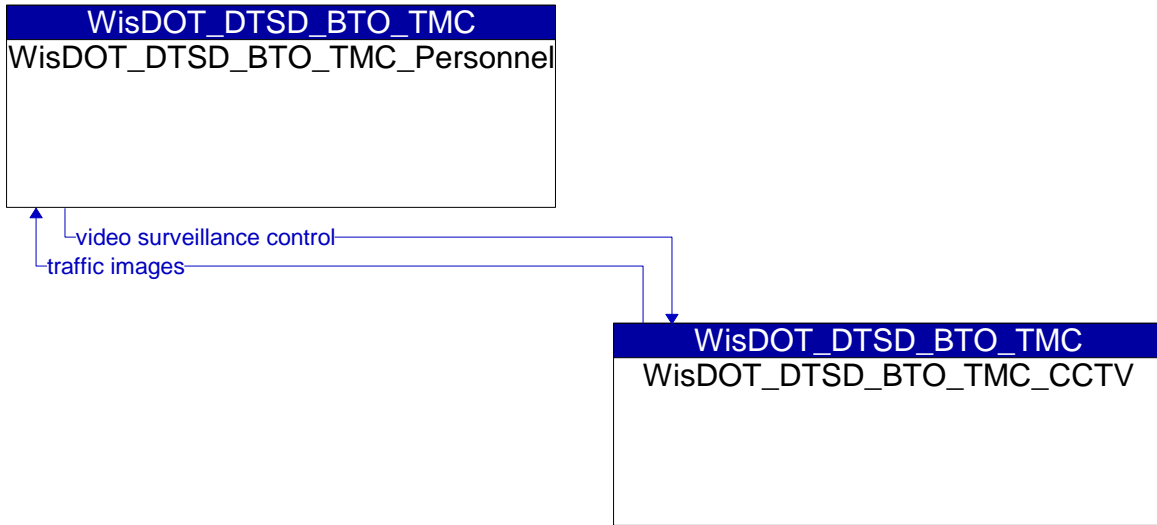


Figure 495: WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_DTSD_SW Region_Madison Interface

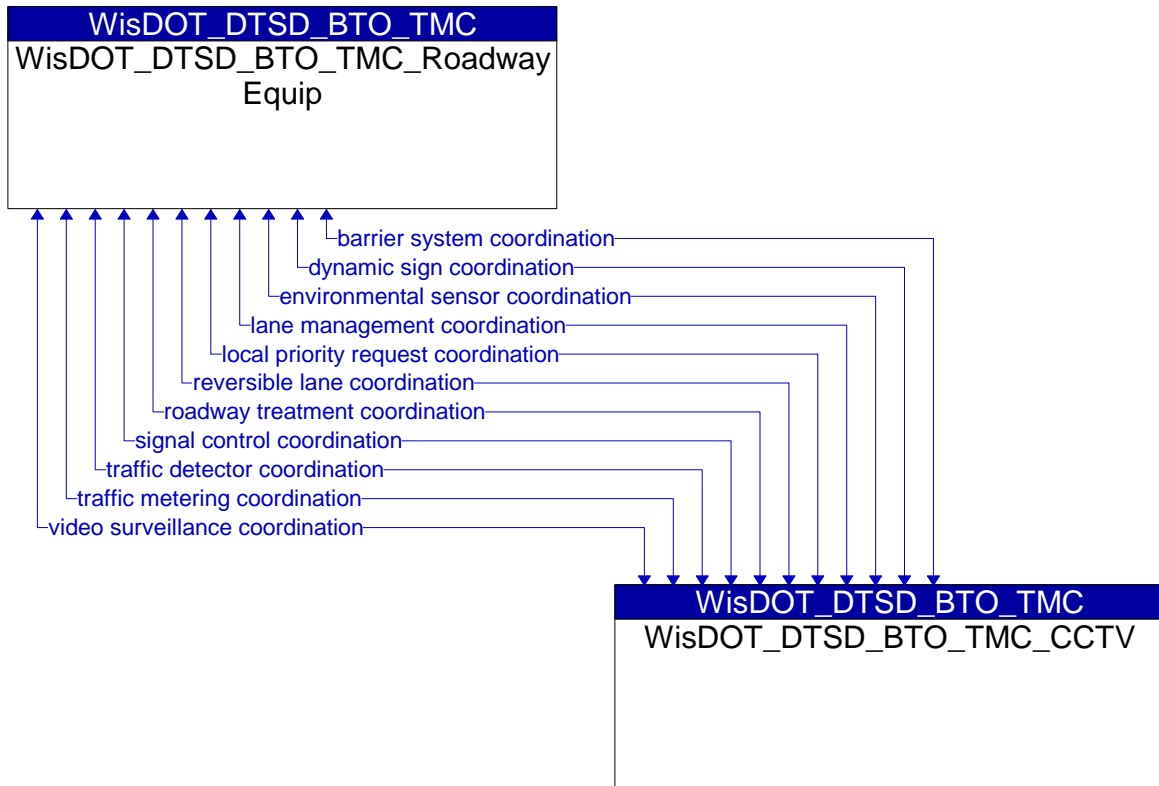


WisDOT_DTSD_BTO_TMC_ATMS - WisDOT_Planning Group Interface



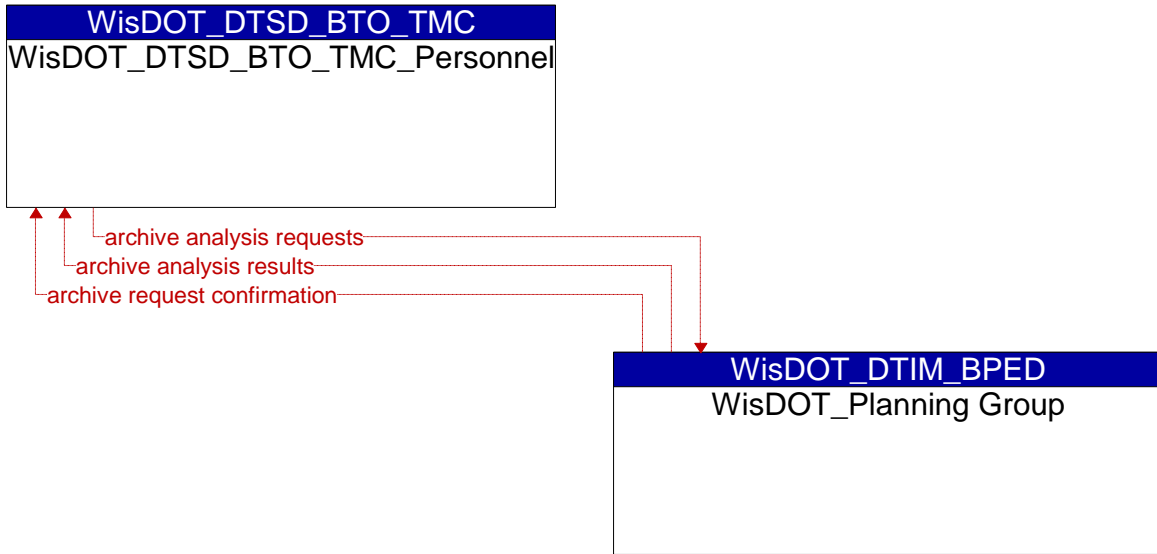
Existing

WisDOT_DTSD_BTO_TMC_CCTV - WisDOT_DTSD_BTO_TMC_Personnel
Interface



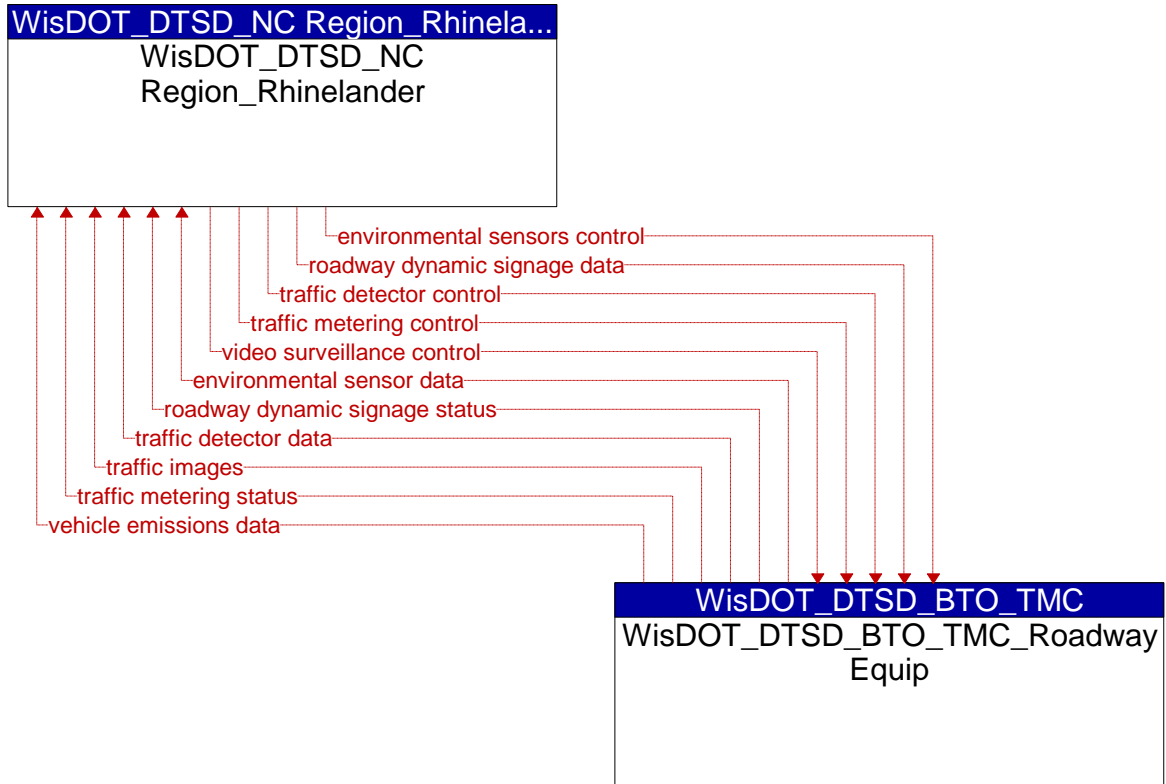
Existing

WisDOT_DTSD_BTO_TMC_CCTV - WisDOT_DTSD_BTO_TMC_Roadway Equip Interface



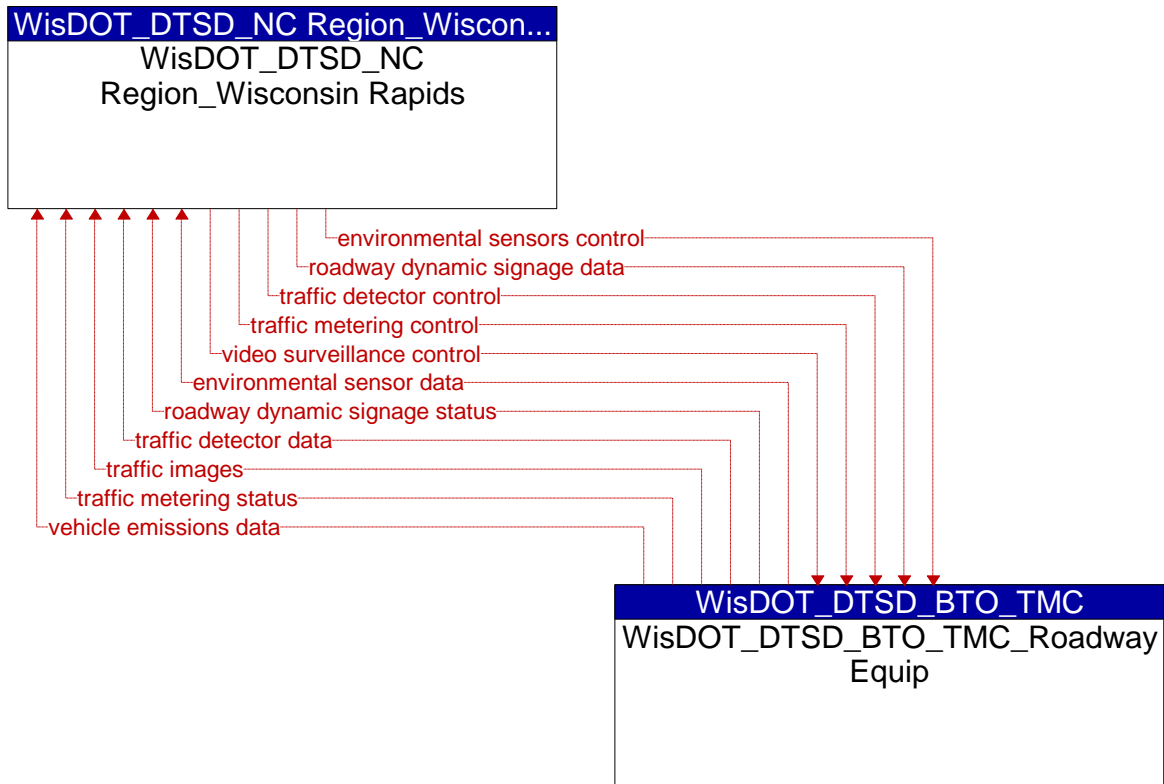
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WisDOT_DTSD_BTO_TMC_Personnel - WisDOT_Planning Group Interface



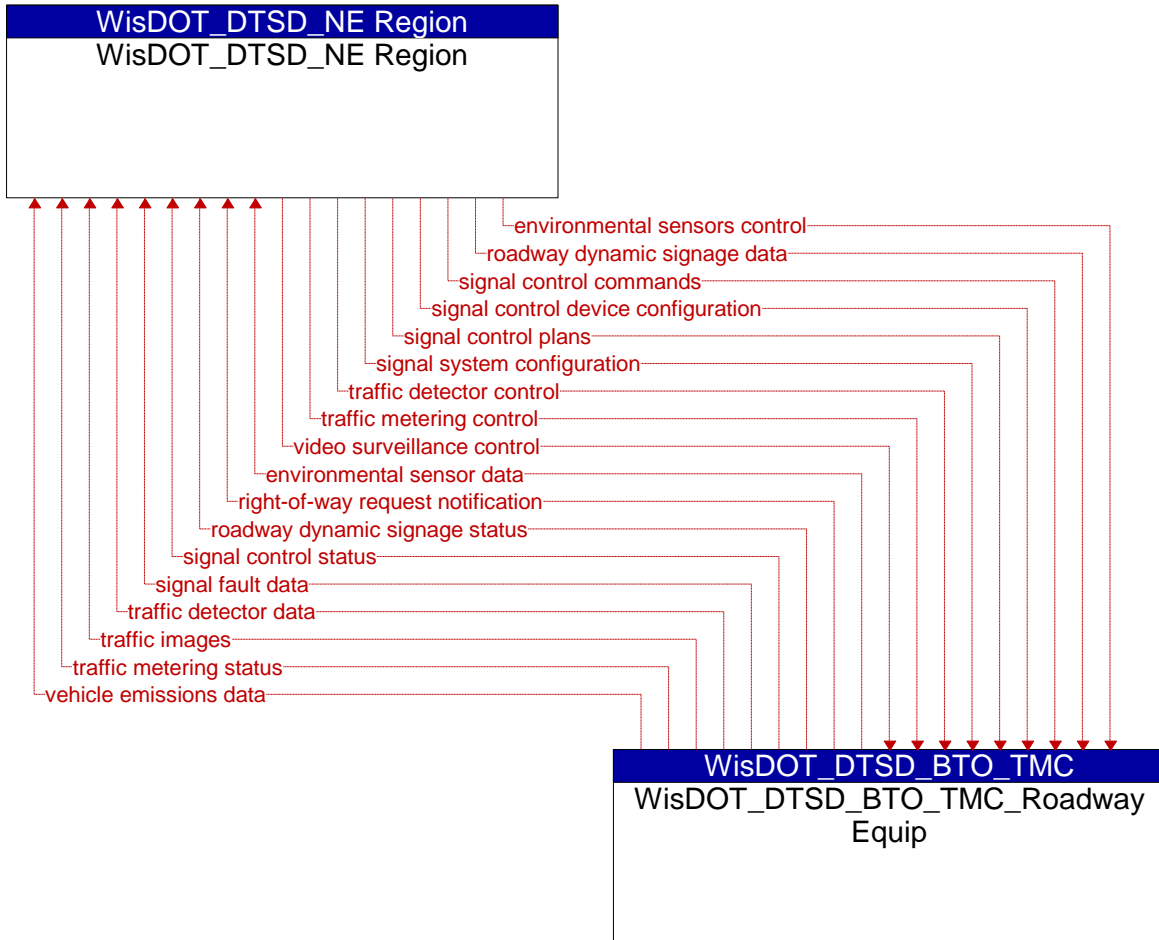
Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_DTSD_NC Region_Rhineland Interface



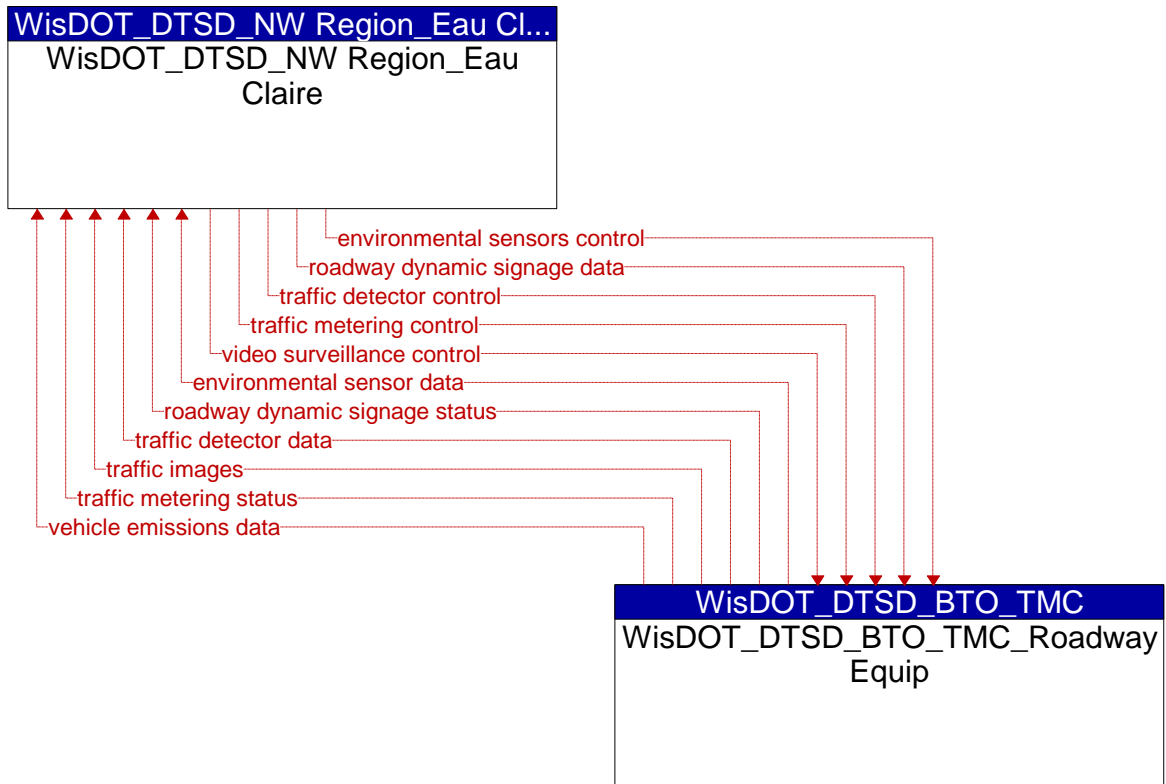
Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_DTSD_NC Region_Wisconsin Rapids Interface



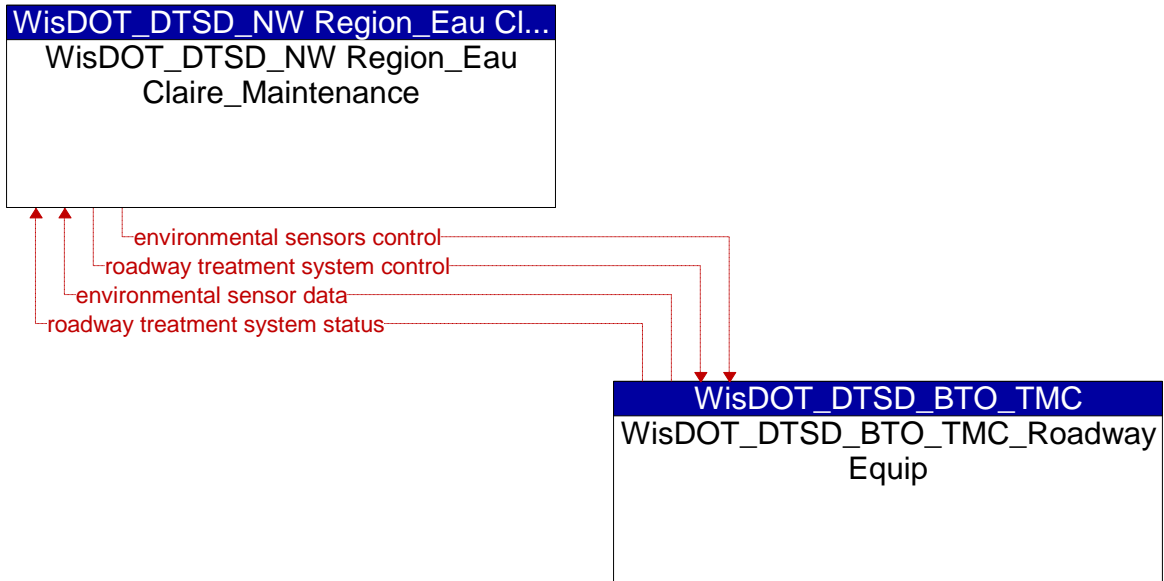
Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_DTSD_NE Region Interface



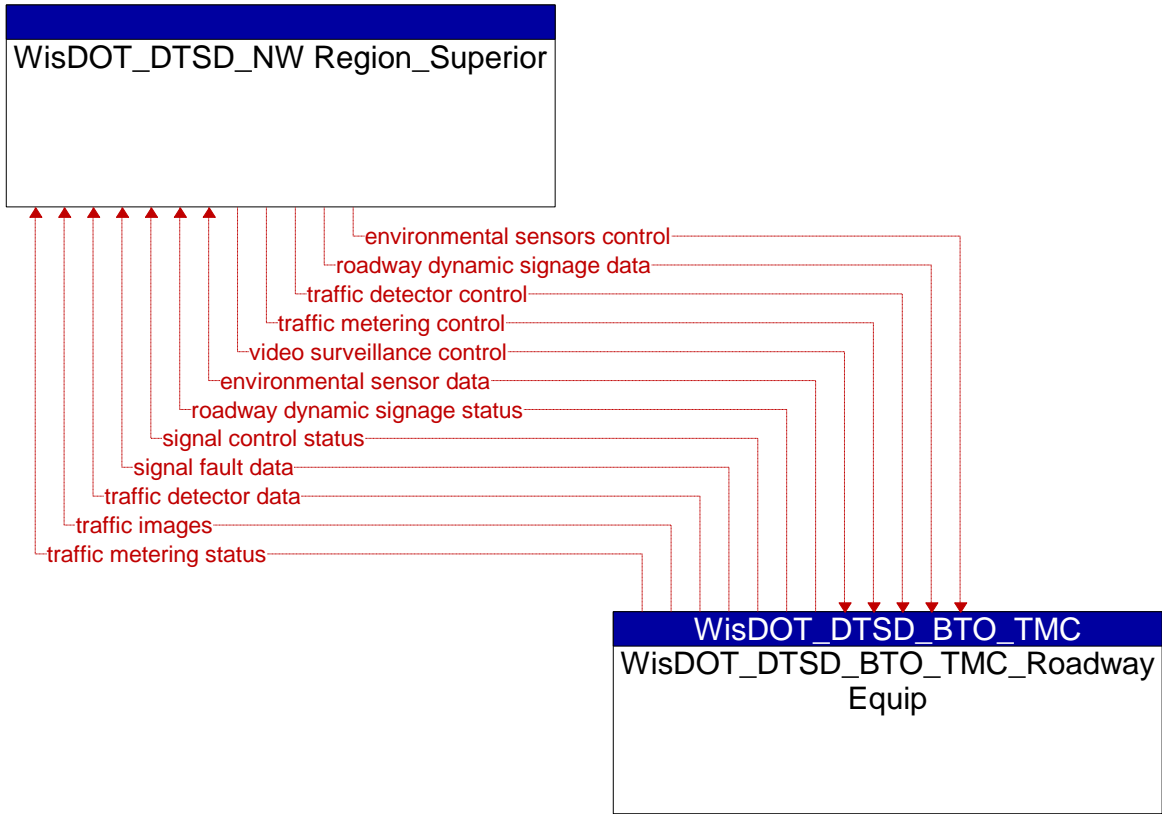
Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_DTSD_NW Region_Eau Claire Interface



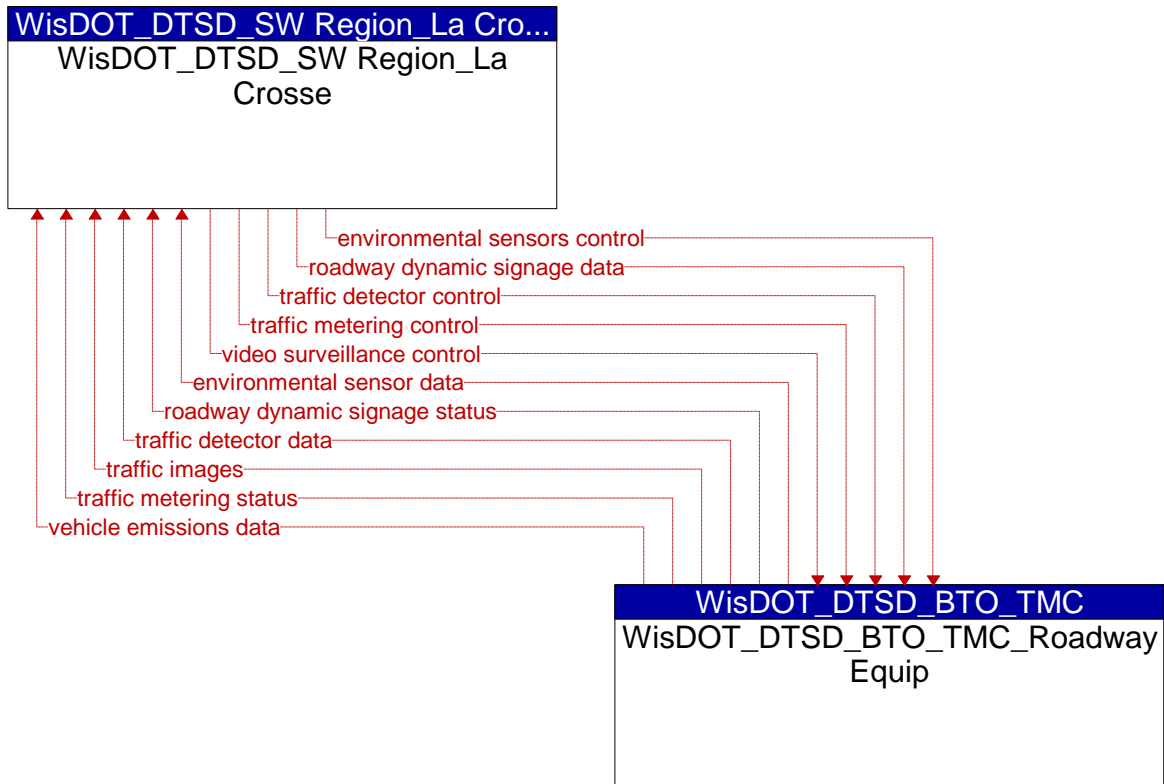
————— Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_DTSD_NW Region_Eau Claire_Maintenance Interface



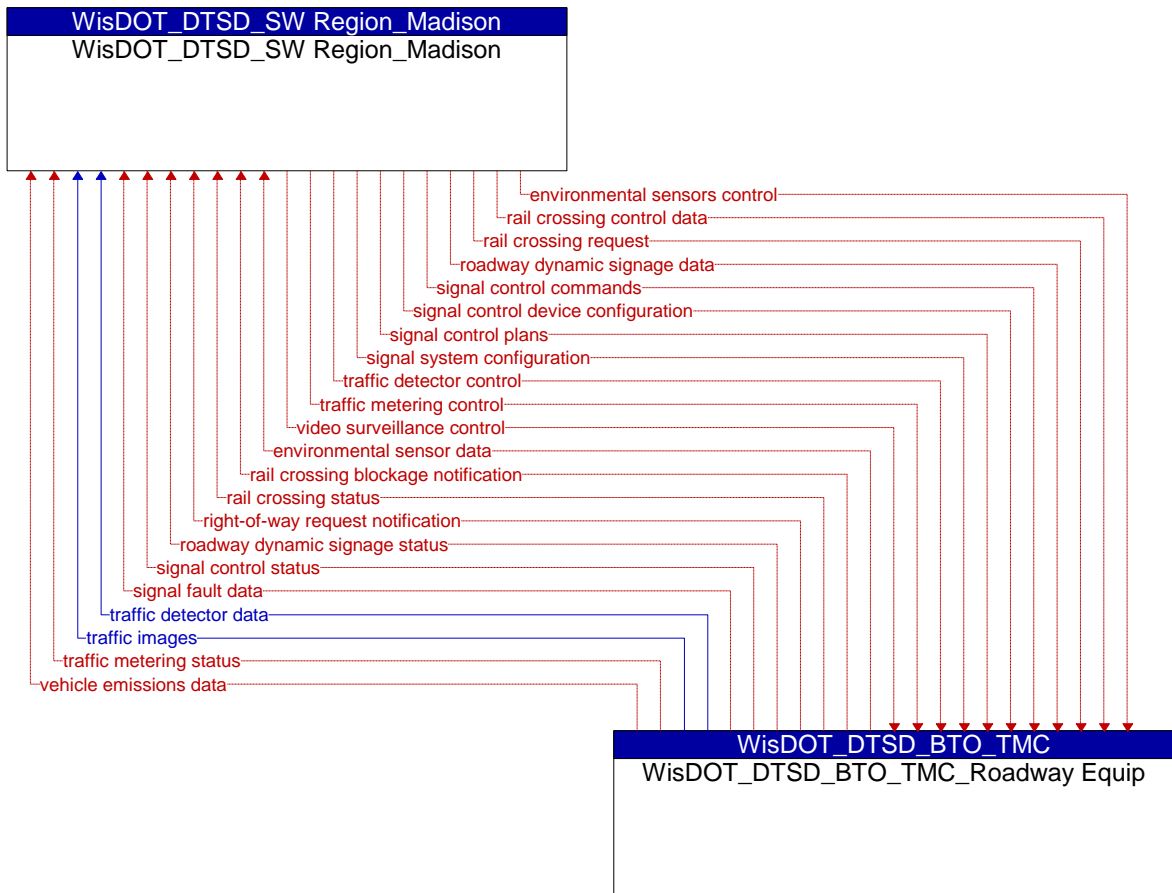
Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_DTSD_NW Region_Superior Interface



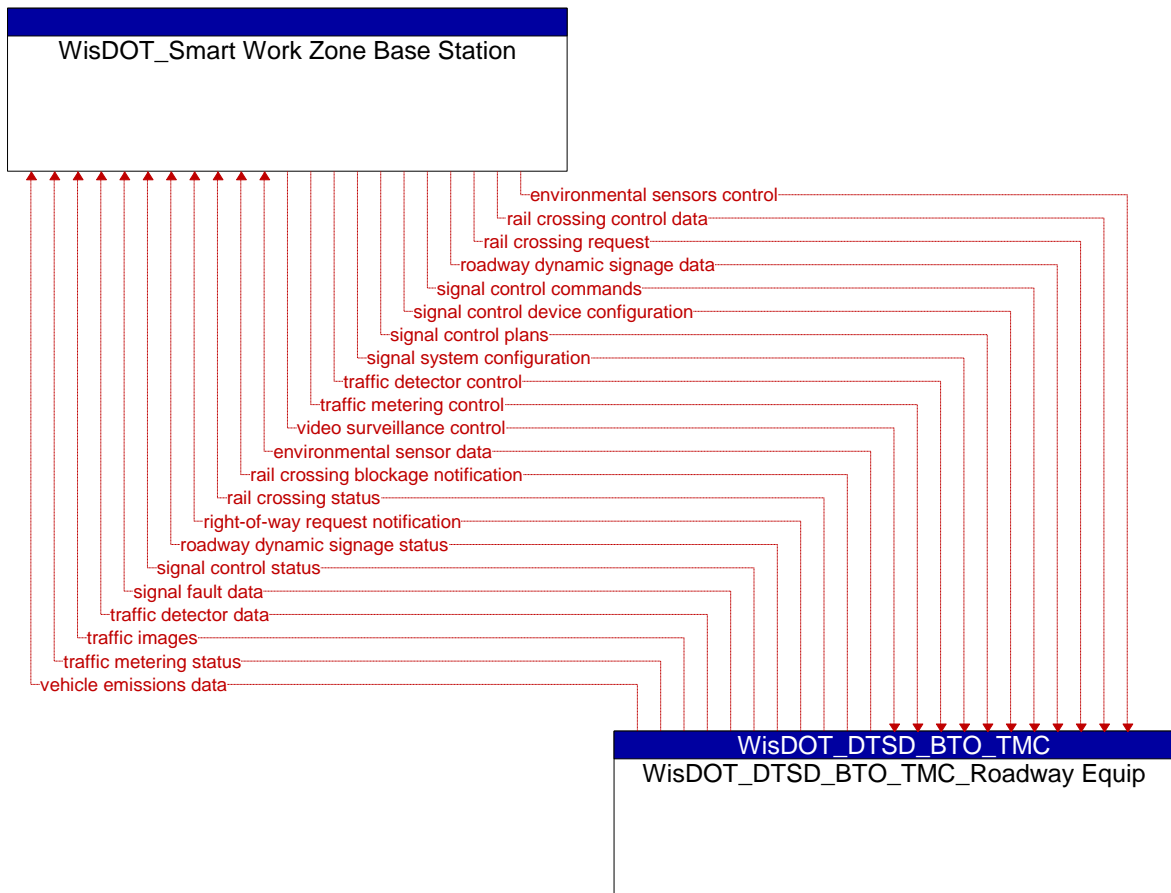
Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_DTSD_SW Region_La Crosse Interface



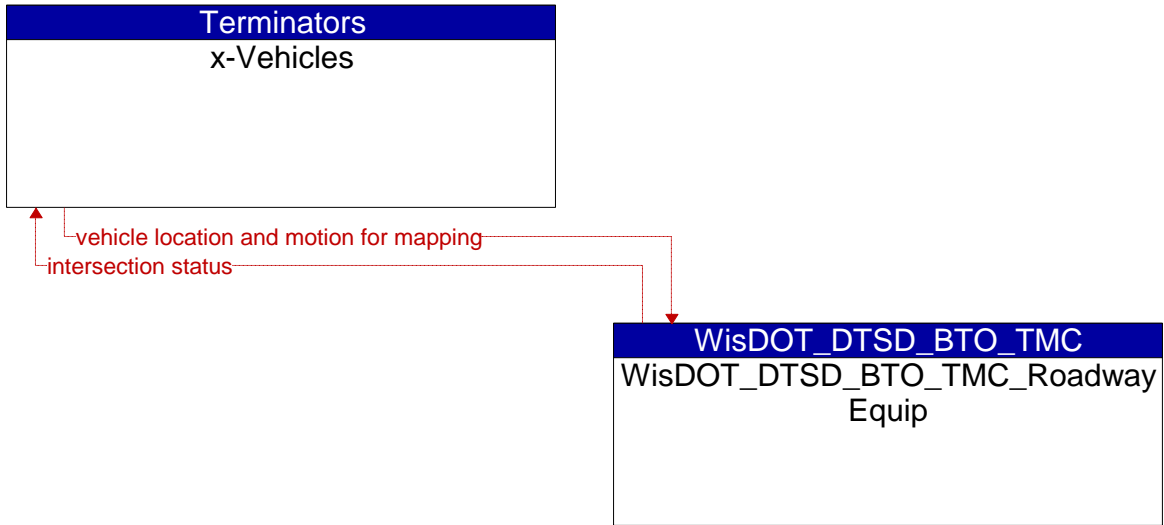
— Existing
- - - Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_DTSD_SW Region_Madison Interface



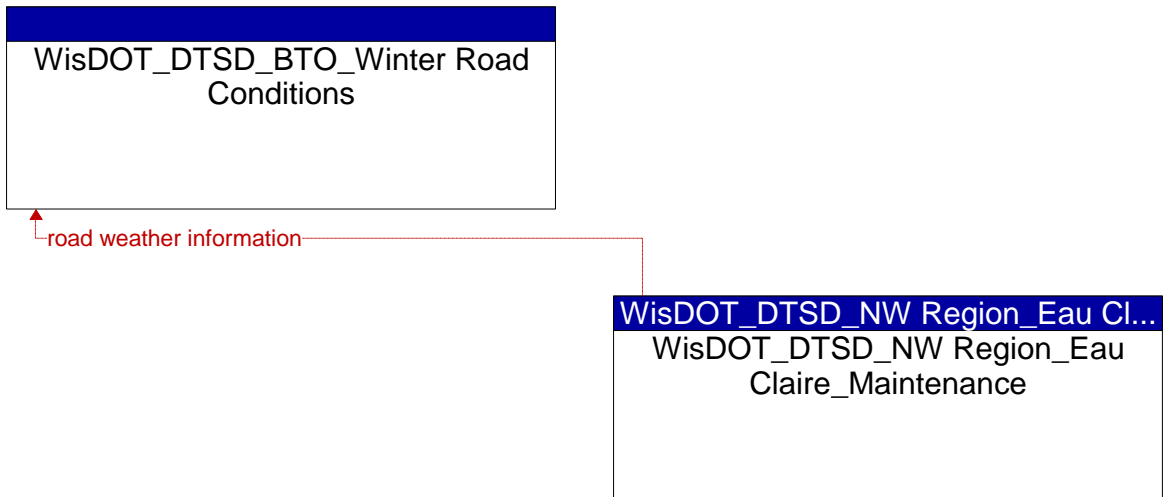
Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - WisDOT_Smart Work Zone Base Station Interface



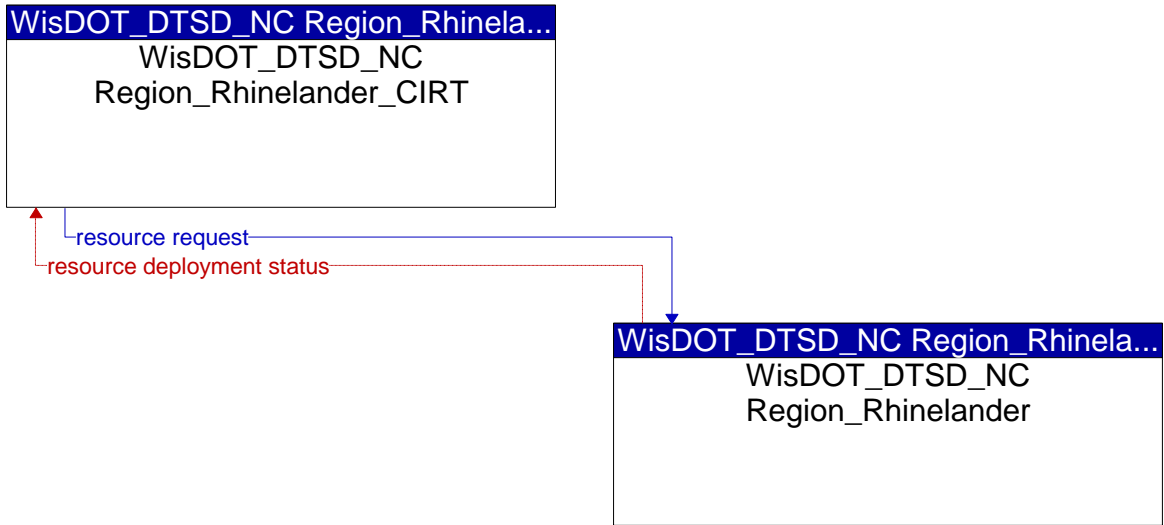
Planned

WisDOT_DTSD_BTO_TMC_Roadway Equip - x-Vehicles Interface



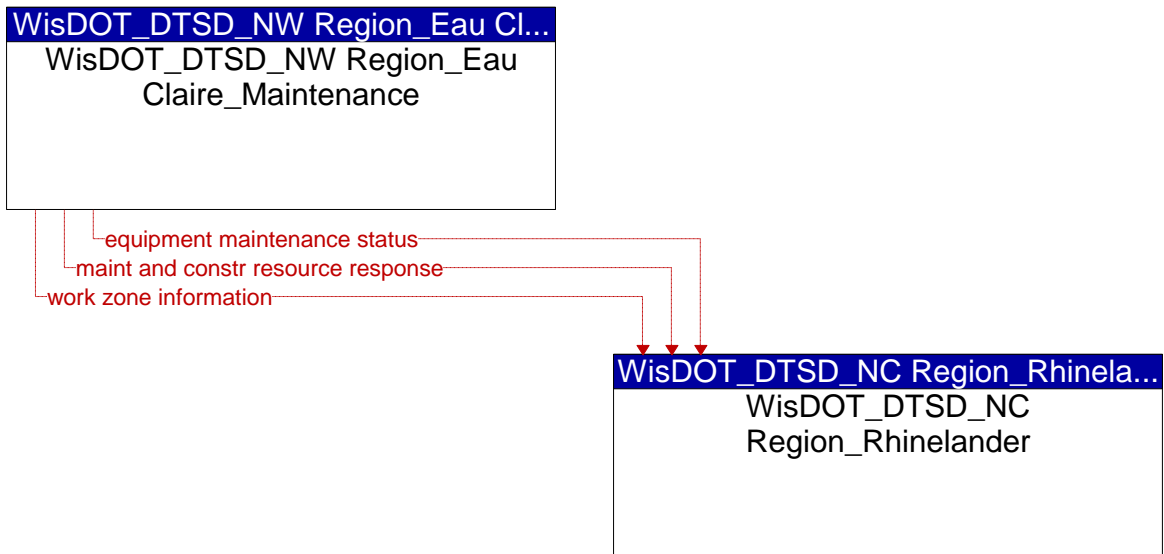
Planned

WisDOT_DTSD_BTO_Winter Road Conditions - WisDOT_DTSD_NW Region_Eau Claire_Maintenance Interface



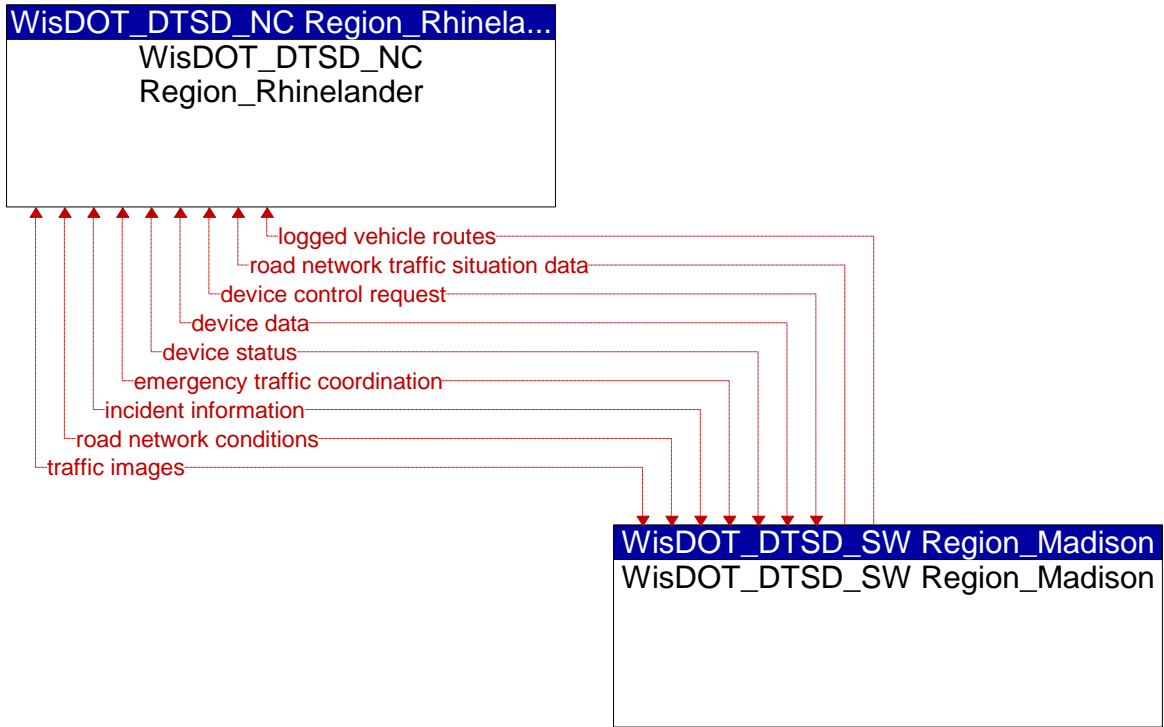
————— Existing
————— Planned

WisDOT_DTSD_NC Region_Rhineland - WisDOT_DTSD_NC Region_Rhineland_CIRT Interface



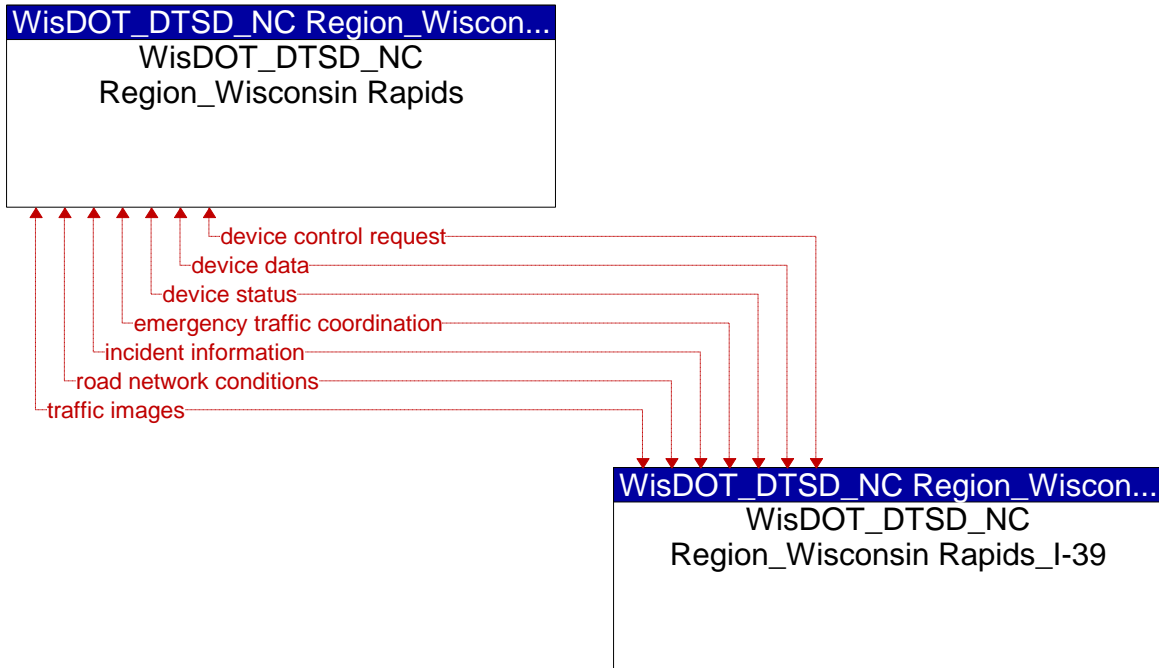
————— Planned

WisDOT_DTSD_NC Region_Rhineland - WisDOT_DTSD_NW Region_Eau Claire_Maintenance Interface

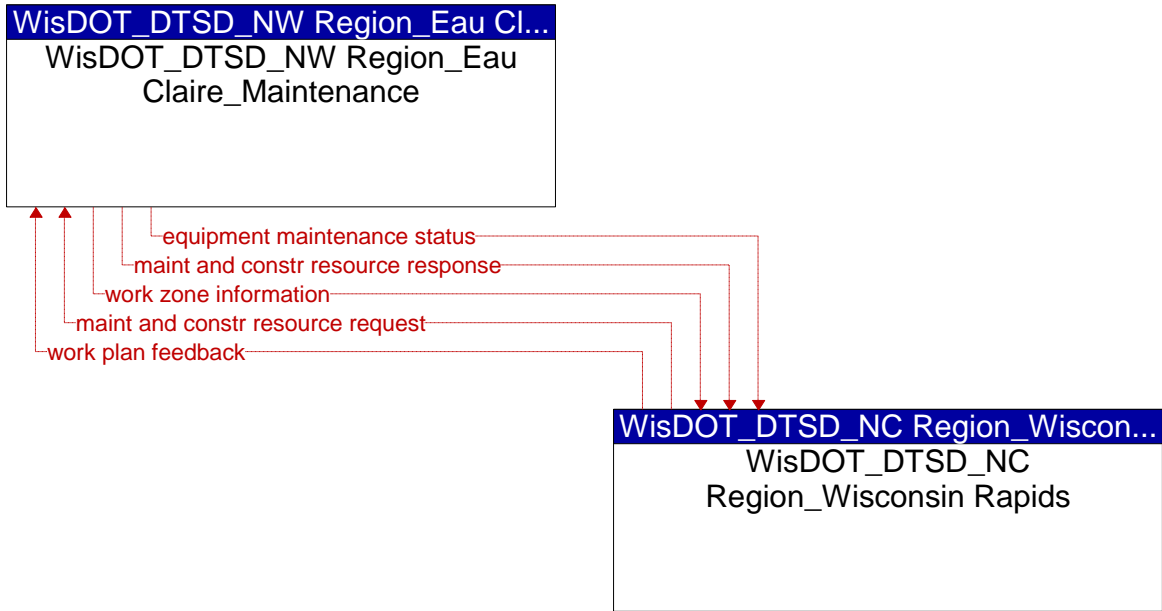


————— Planned

WisDOT_DTSD_NC Region_Rhineland - WisDOT_DTSD_SW Region_Madison Interface

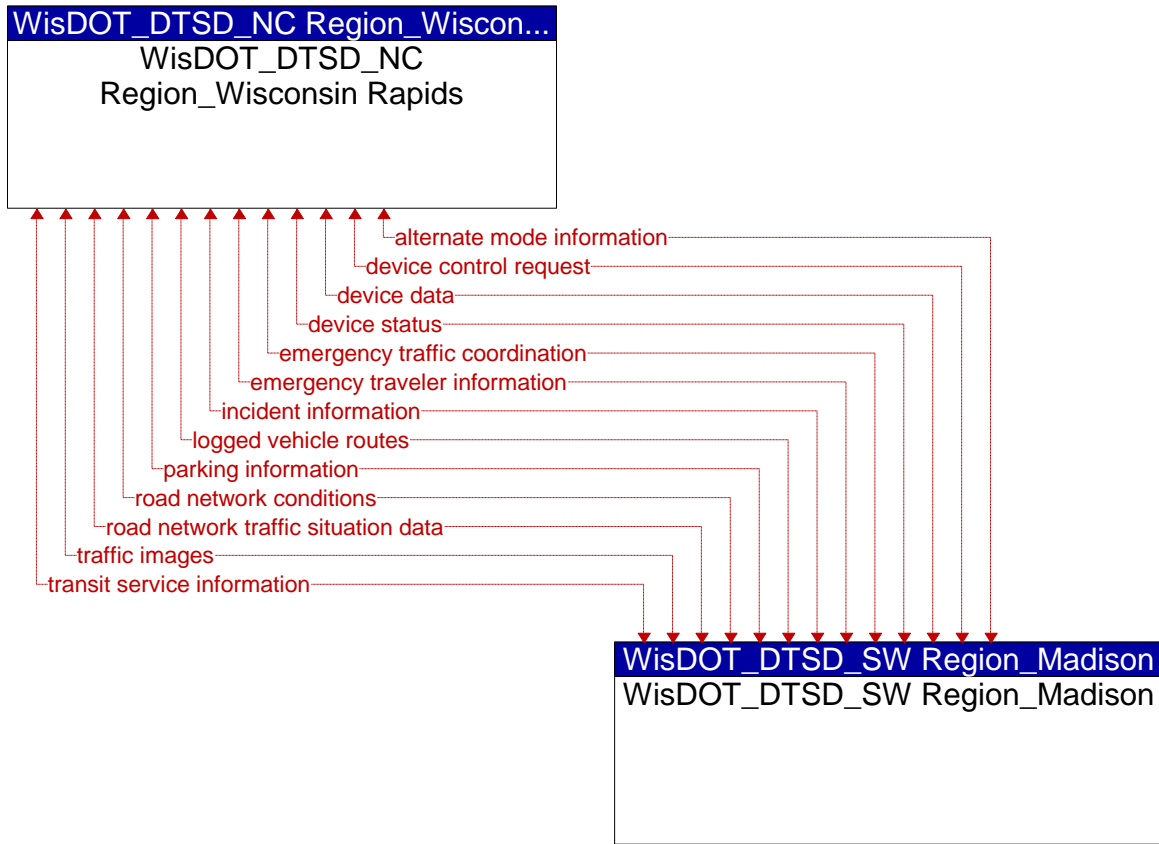


WisDOT_DTSD_NC Region_Wisconsin Rapids - WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 Interface

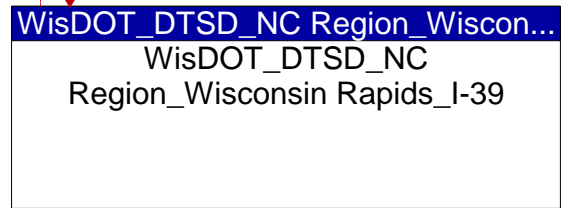
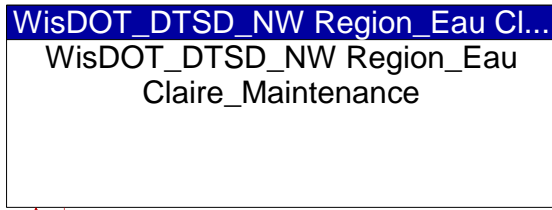


Planned

WisDOT_DTSD_NC Region_Wisconsin Rapids - WisDOT_DTSD_NW Region_Eau Claire_Maintenance Interface

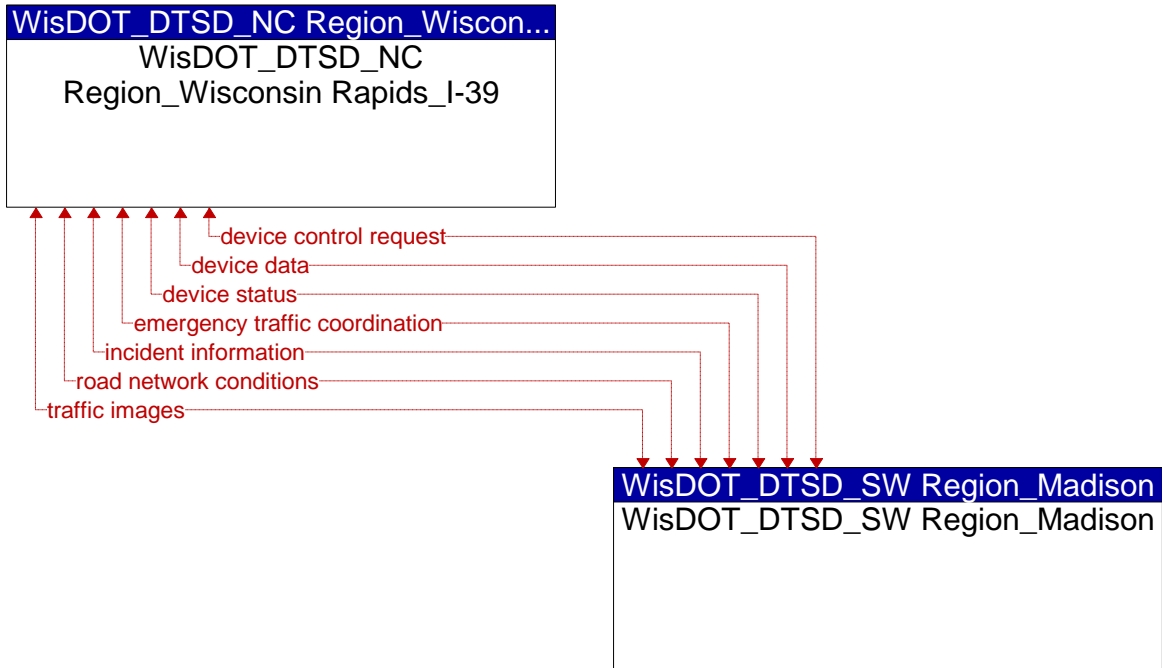


WisDOT_DTSD_NC Region_Wisconsin Rapids - WisDOT_DTSD_SW Region_Madison Interface



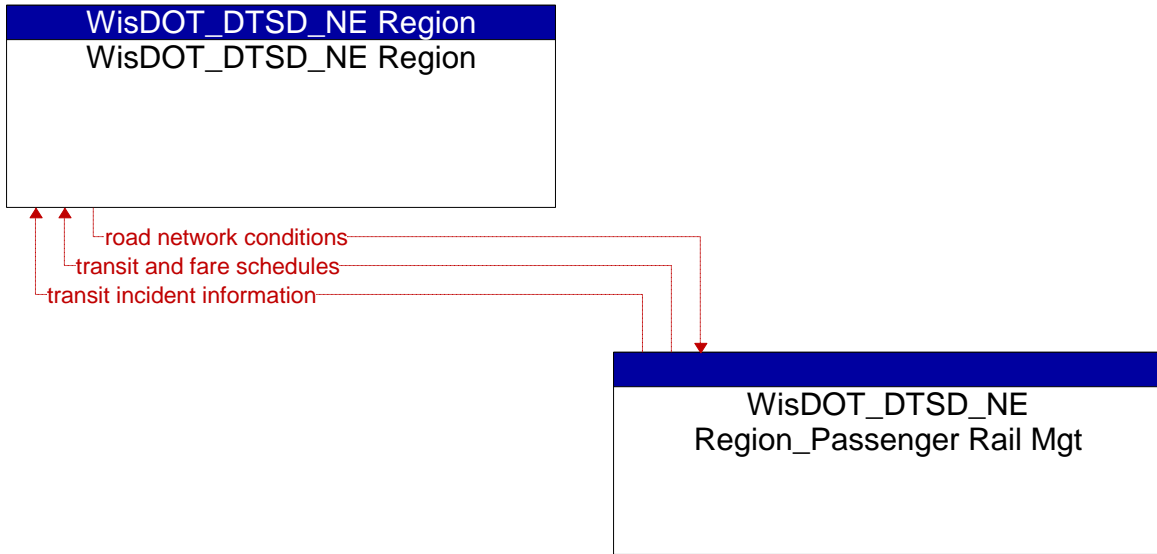
Planned

WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 - WisDOT_DTSD_NW
Region_Eau Claire_Maintenance Interface

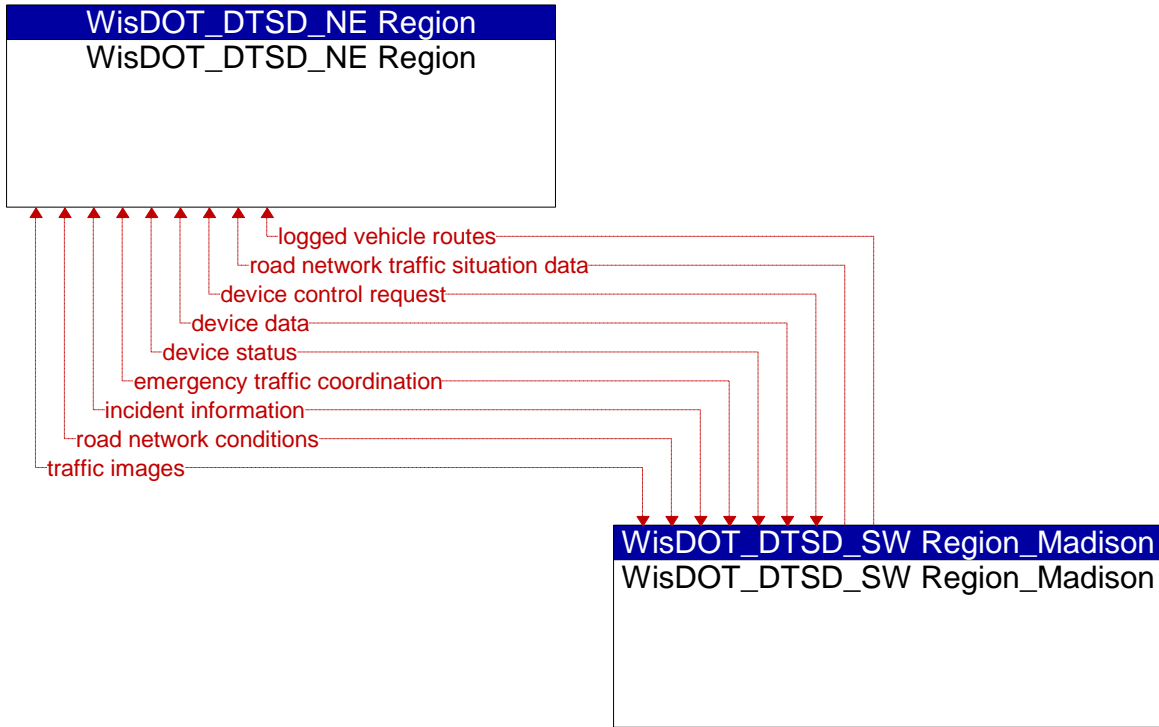


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WisDOT_DTSD_NC Region_Wisconsin Rapids_I-39 - WisDOT_DTSD_SW Region_Madison Interface

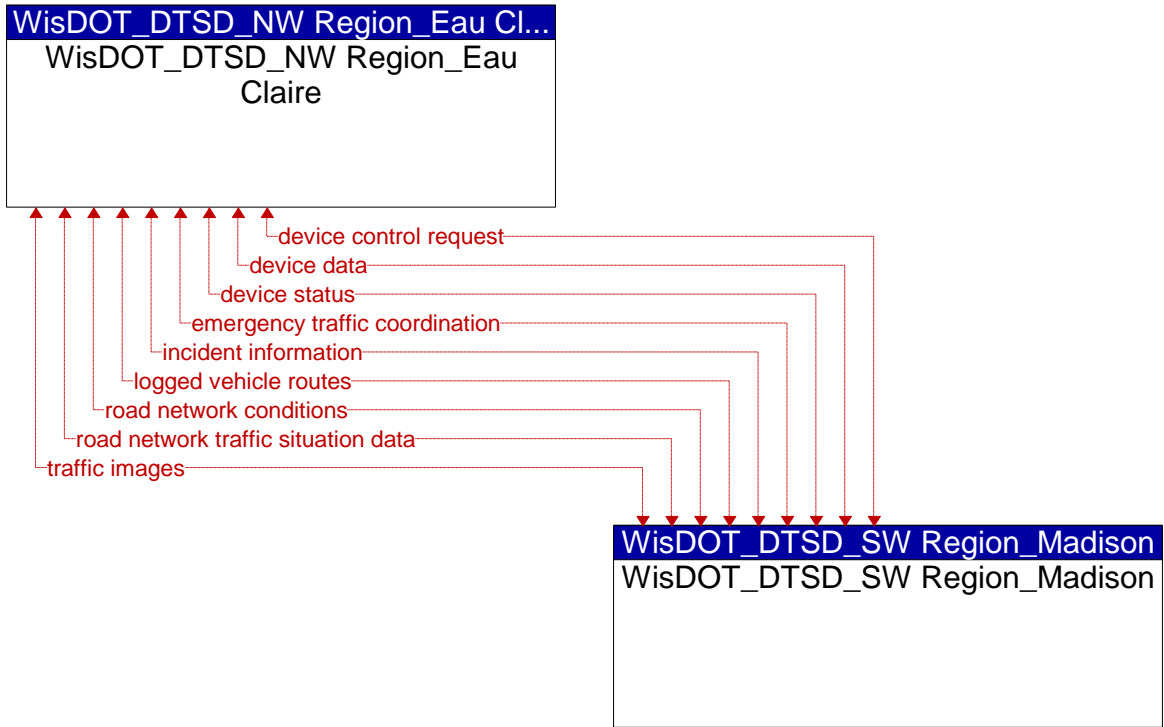


WisDOT_DTSD_NE Region - WisDOT_DTSD_NE Region_Passenger Rail Mgt Interface



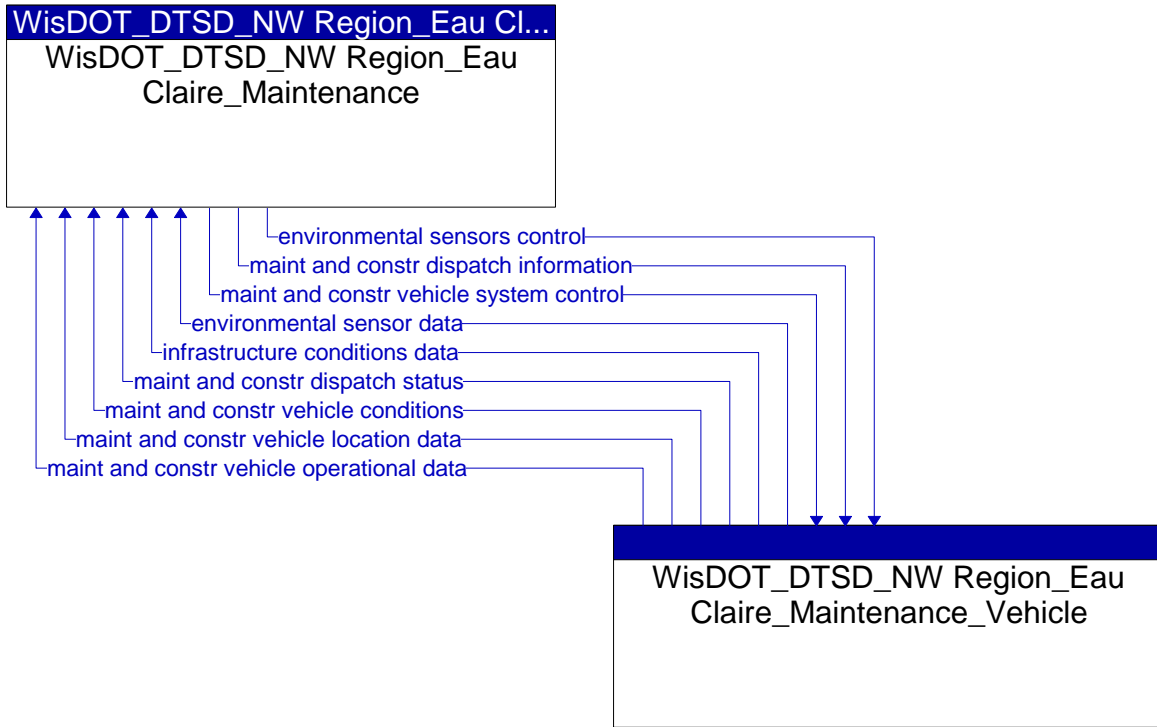
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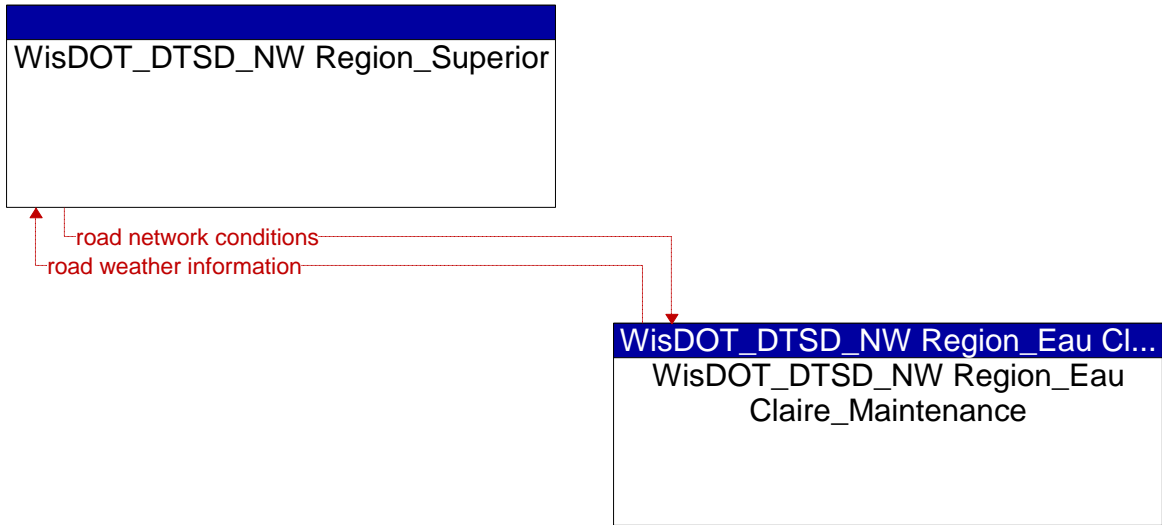
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WisDOT_DTSD_NW Region_Eau Claire - WisDOT_DTSD_SW Region_Madison Interface



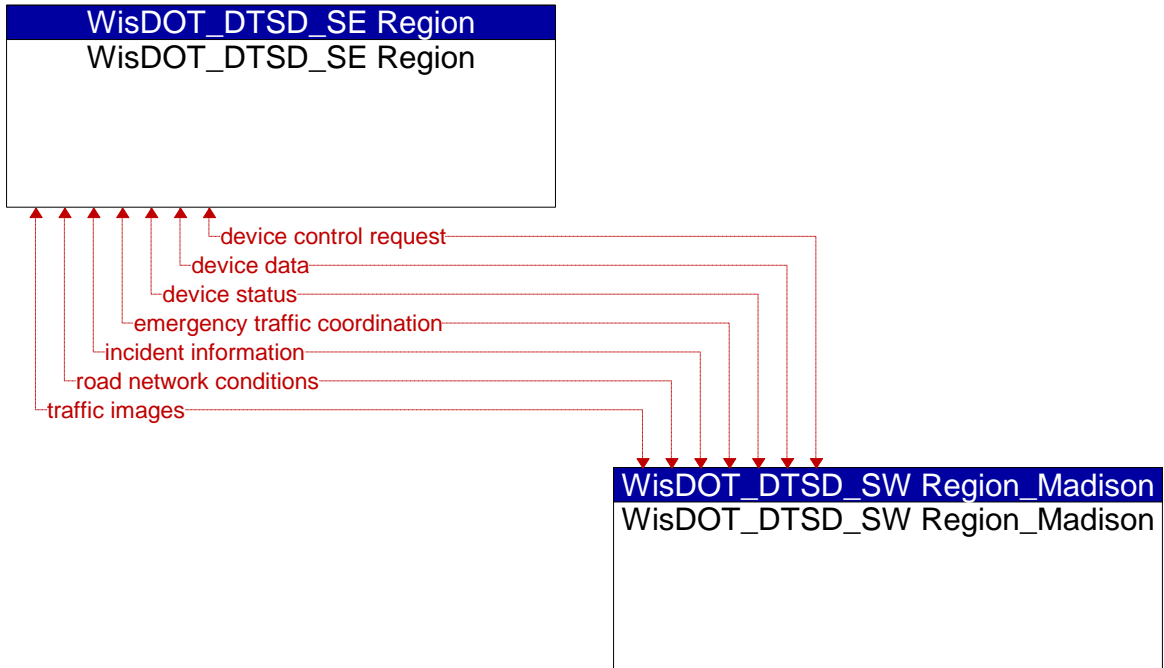
Existing

WisDOT_DTSD_NW Region_Eau Claire_Maintenance - WisDOT_DTSD_NW Region_Eau Claire_Maintenance_Vehicle Interface



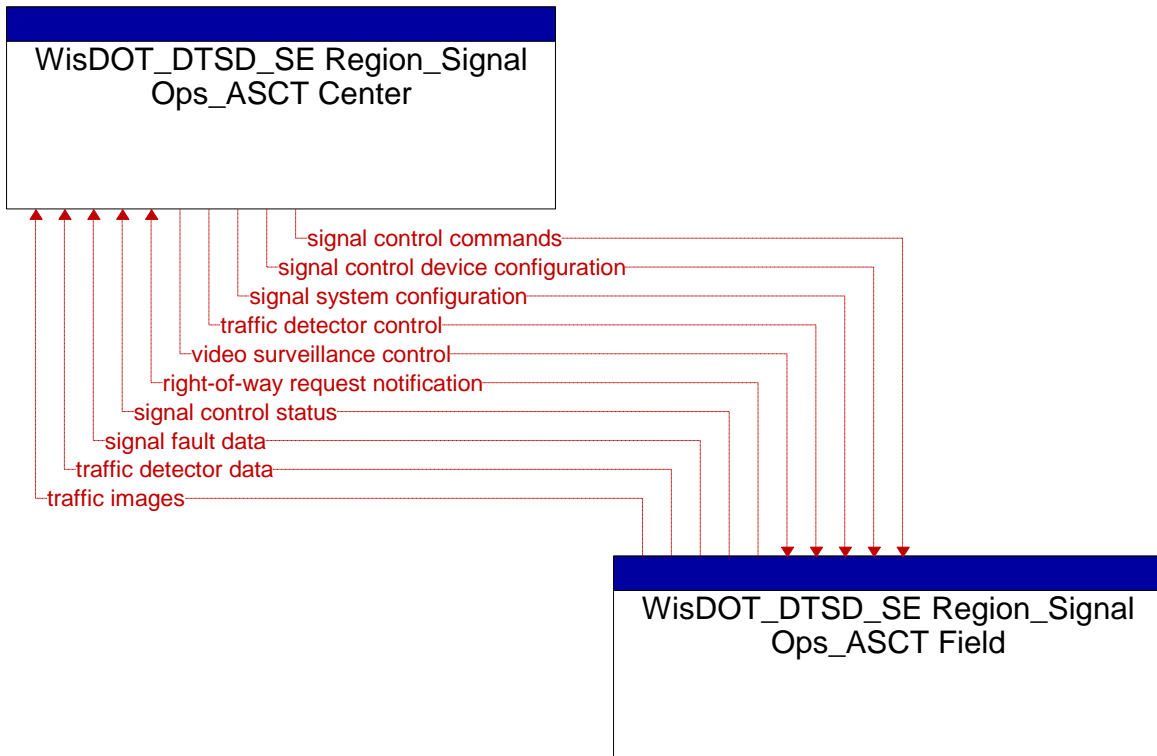
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WisDOT_DTSD_NW Region_Eau Claire_Maintenance - WisDOT_DTSD_NW Region_Superior Interface



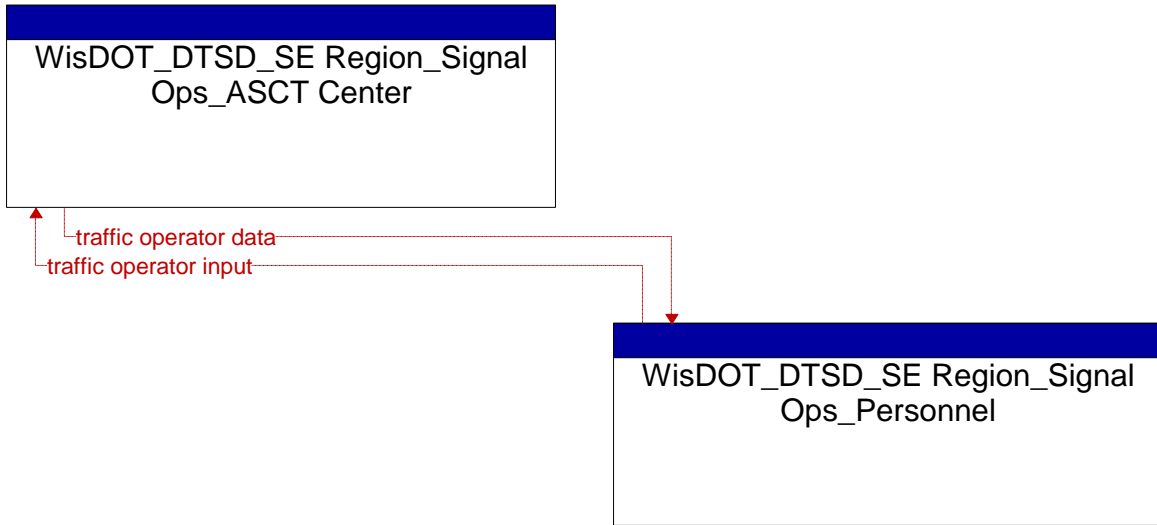
Planned

WisDOT_DTSD_SE Region - WisDOT_DTSD_SW Region_Madison Interface



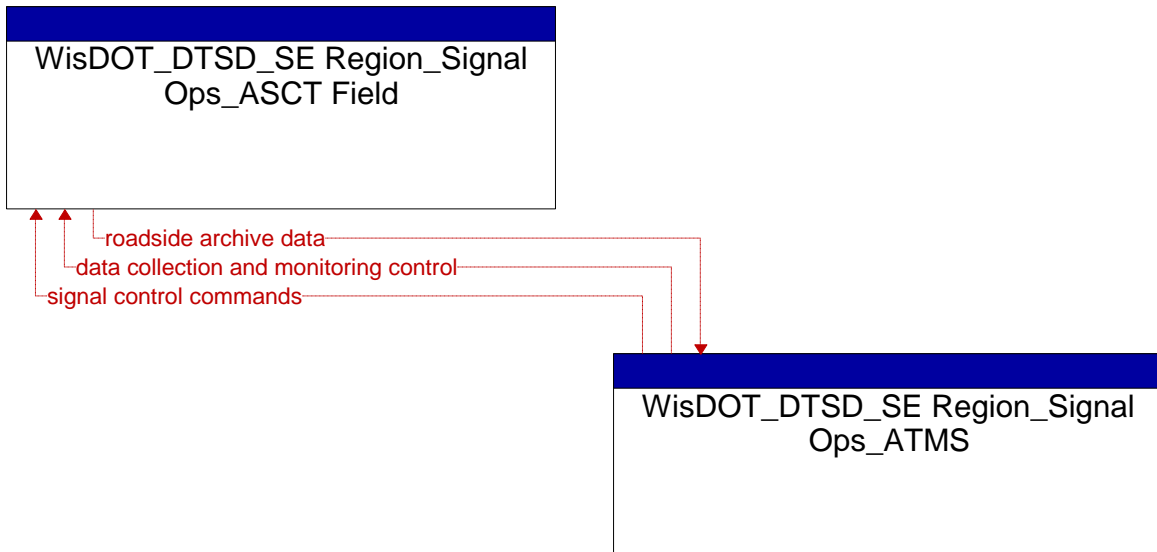
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WisDOT_DTSD_SE Region_Signal Ops_ASCT Center - WisDOT_DTSD_SE Region_Signal Ops_ASCT Field Interface



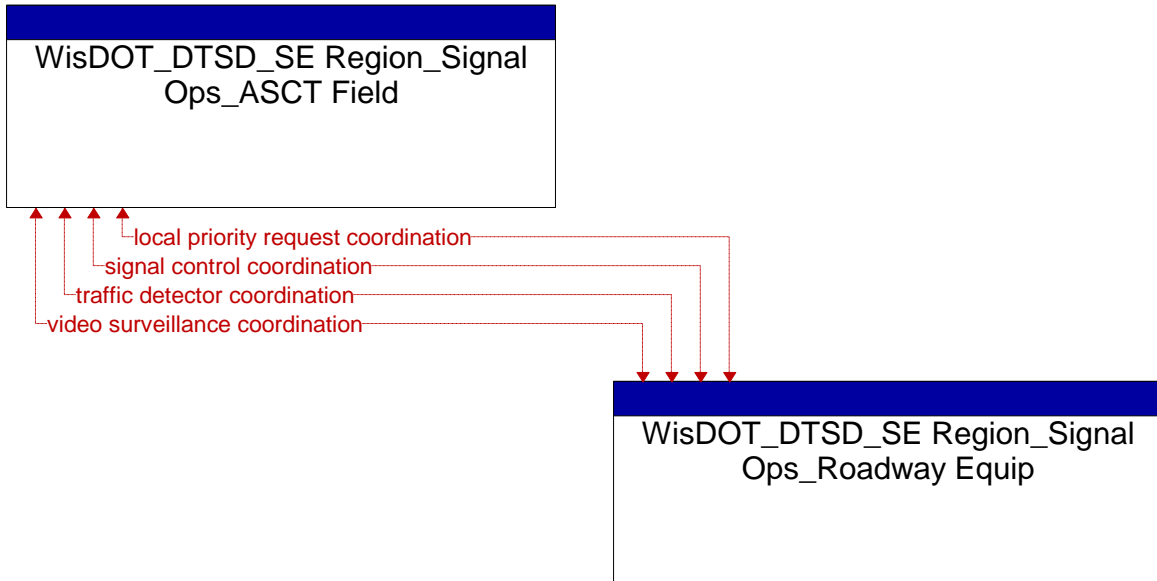
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WisDOT_DTSD_SE Region_Signal Ops_ASCT Center - WisDOT_DTSD_SE Region_Signal Ops_Personnel Interface



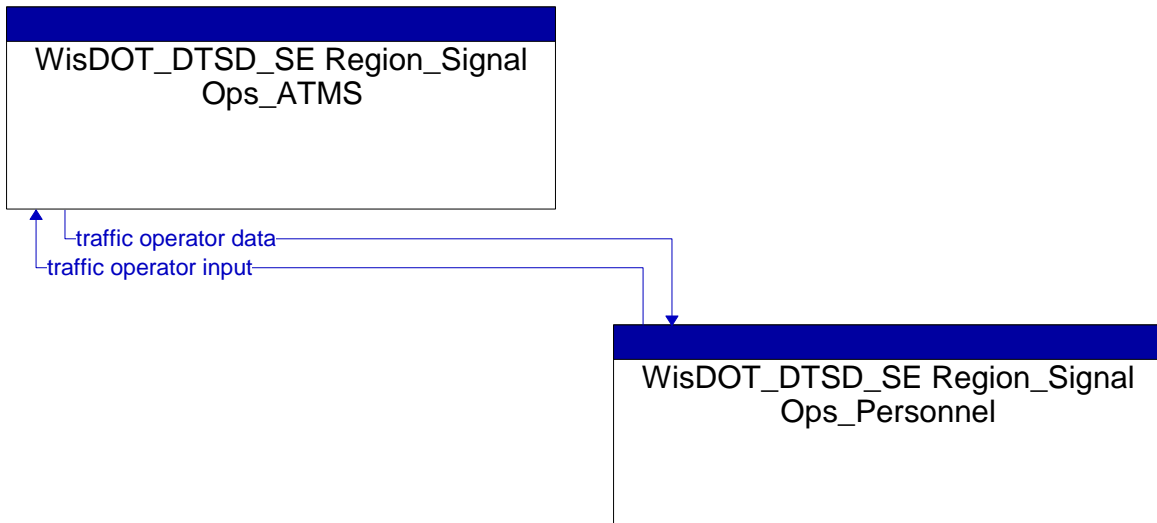
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WisDOT_DTSD_SE Region_Signal Ops_ASCT Field - WisDOT_DTSD_SE Region_Signal Ops_ATMS Interface



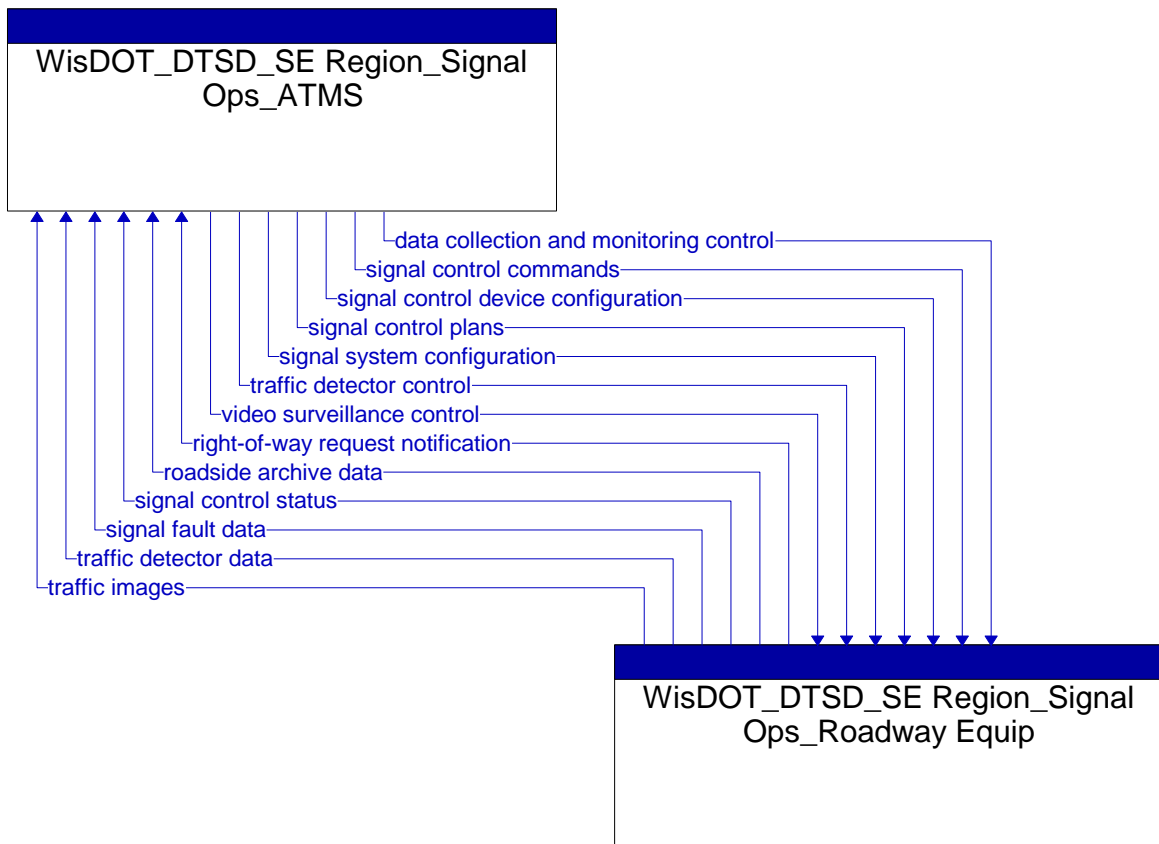
Planned

WisDOT_DTSD_SE Region_Signal Ops_ASCT Field - WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip Interface



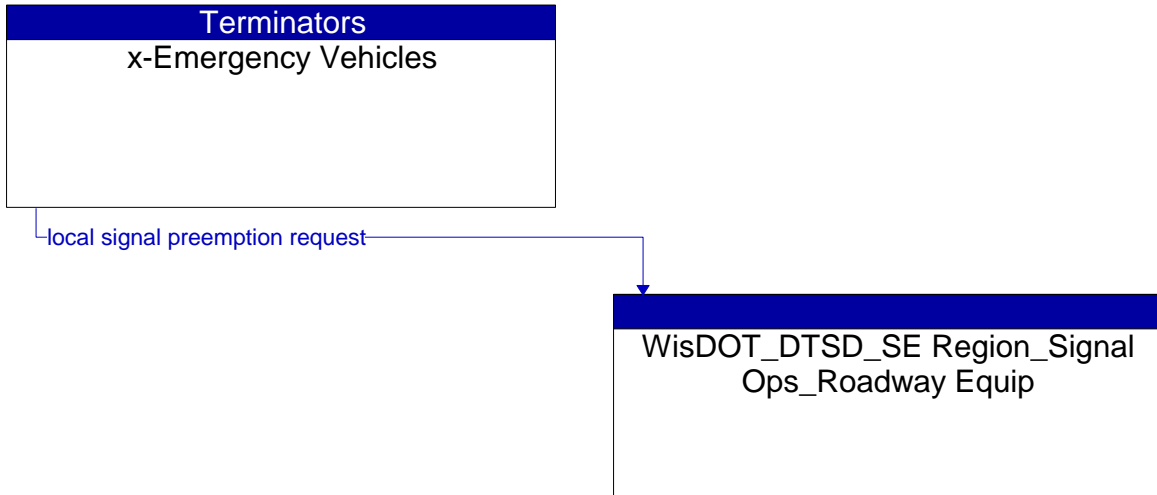
Existing

WisDOT_DTSD_SE Region_Signal Ops_ATMS - WisDOT_DTSD_SE Region_Signal Ops_Personnel Interface



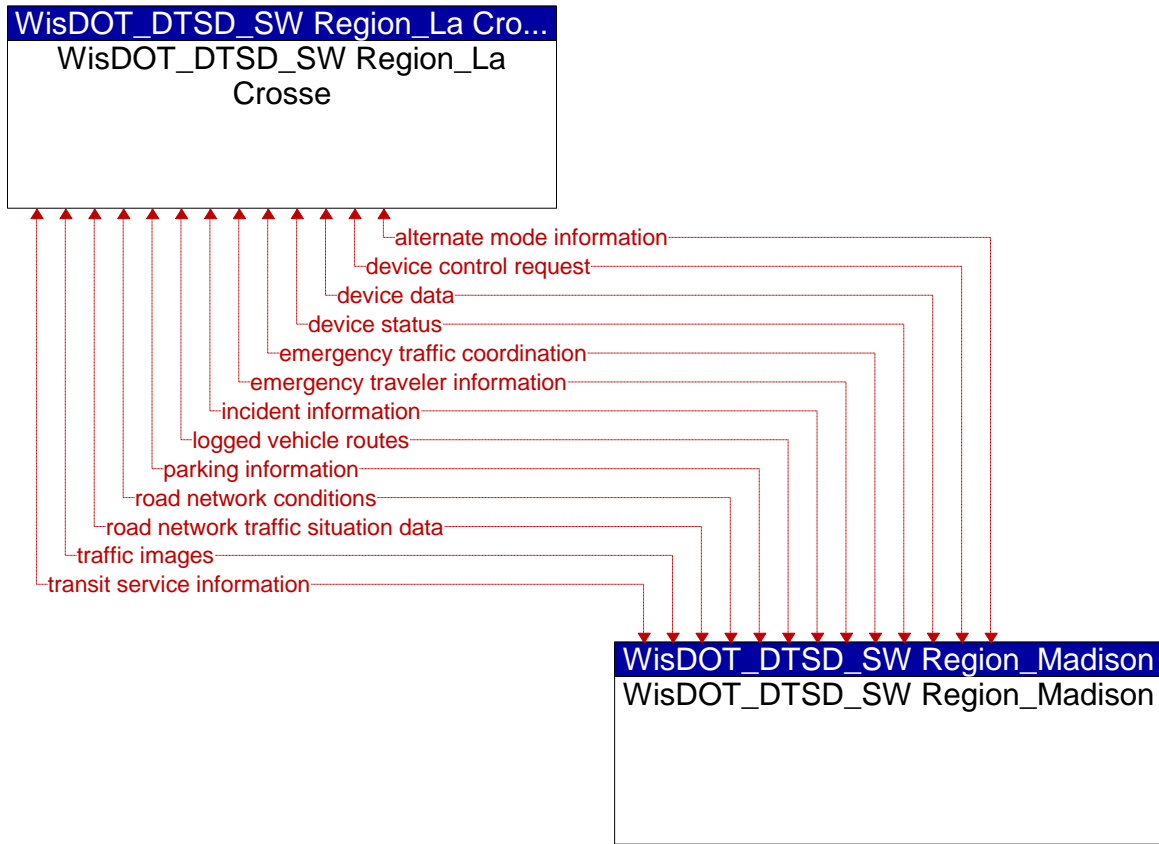
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WisDOT_DTSD_SE Region_Signal Ops_ATMS - WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip Interface



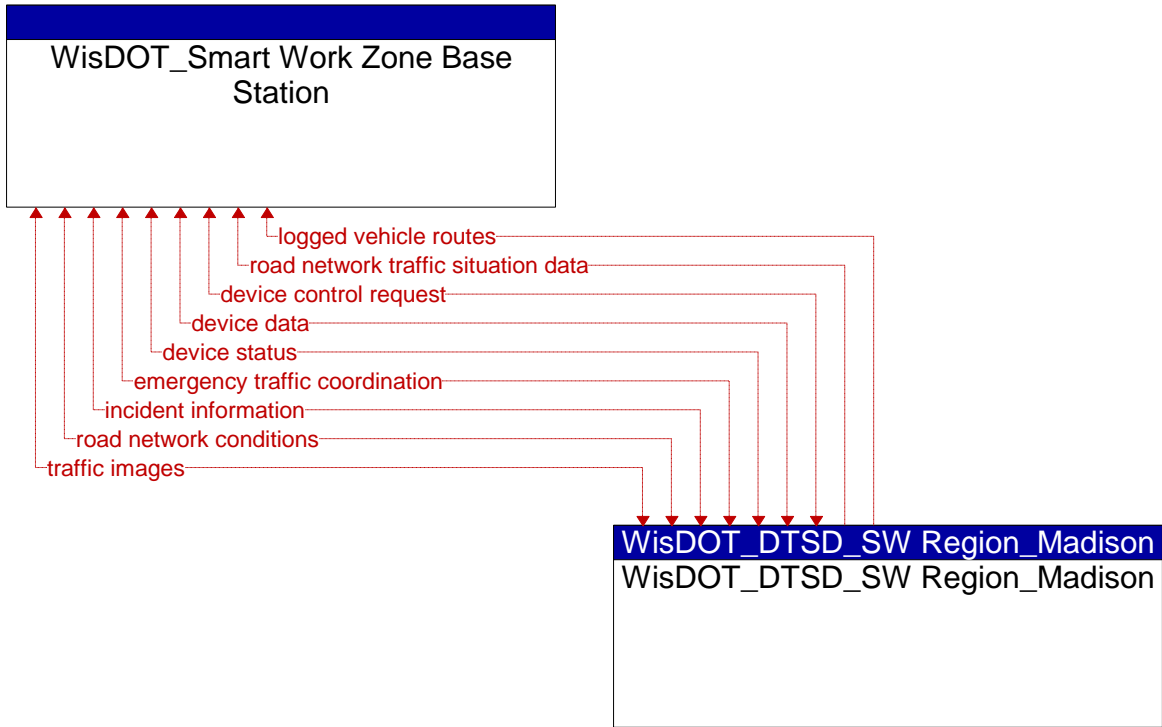
Existing

WisDOT_DTSD_SE Region_Signal Ops_Roadway Equip - x-Emergency Vehicles Interface



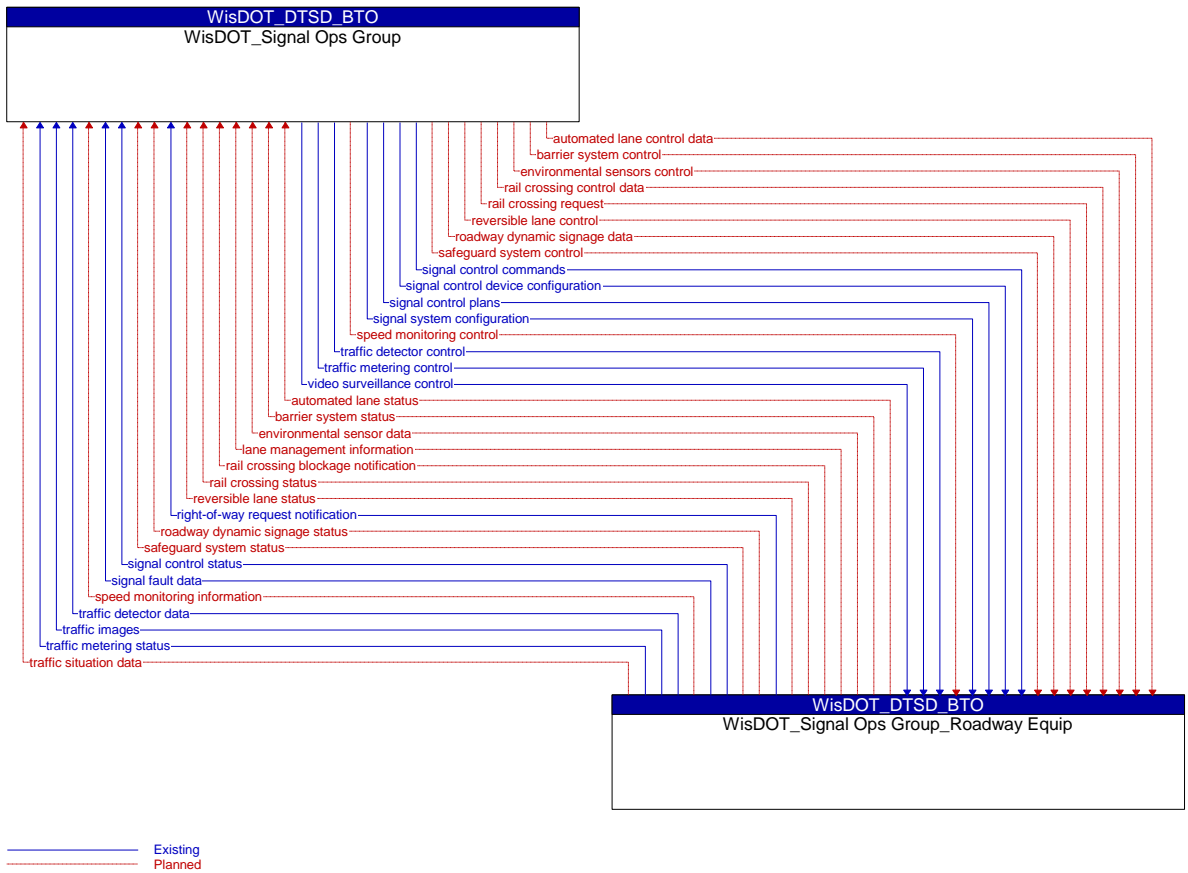
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WisDOT_DTSD_SW Region_La Crosse - WisDOT_DTSD_SW Region_Madison Interface



Planned

WisDOT_DTSD_SW Region_Madison - WisDOT_Smart Work Zone Base Station Interface



WisDOT_Signal Ops Group - WisDOT_Signal Ops Group_Roadway Equip Interface

Information Flow Definitions

Flow Name	Description	Communication Solution(s)
accident report	Report of commercial vehicle safety accident. The information may be provided as a response to a real-time query or proactively by the source. The query flow is not explicitly shown.	
actuate secure payment	Initiation of a payment action based on an encrypted token or biometric marker.	
air quality sensor control	Data used to configure and control area pollution and air quality sensors.	
air quality sensor data	Measured air quality data, including measured levels of atmospheric pollutants including ozone, particulate matter, carbon monoxide, and nitrogen oxides, and operational status of the sensors.	
alarm acknowledge	Confirmation that alarm was received, instructions and additional information for the alarm initiator, and requests for additional information.	
alarm notification	Notification of activation of an audible or silent alarm by a traveler in a public area or by a transit vehicle operator using an on-board device.	

Flow Name	Description	Communication Solution(s)
alert notification	Notification of a major emergency such as a natural or man-made disaster, civil emergency, or child abduction for distribution to the public. The flow identifies the alert originator, the nature of the emergency, the geographic area affected by the emergency, the effective time period, and information and instructions necessary for the public to respond to the alert. This flow may also identify specific information that should not be released to the public.	
alert notification coordination	Coordination of emergency alerts to be distributed to the public. This includes notification of a major emergency such as a natural or man-made disaster, civil emergency, or child abduction for distribution to the public and status of the public notification.	
alert status	Information indicating the current status of the emergency alert including identification of the traveler and driver information systems that are being used to provide the alert.	
alerts and advisories	Assessments (general incident and vulnerability awareness information), advisories (identification of threats or recommendations to increase preparedness levels), and alerts (information on imminent or in-progress emergencies). This flow also provides supporting descriptive detail on incidents, threats, and vulnerabilities to increase preparedness and support effective response to threats against the surface transportation system.	
alternate mode information	Schedule information for alternate mode transportation providers such as air, ferry, and passenger-carrying heavy rail. This also includes details of incidents and other service disruptions that have occurred in the alternative mode. This also includes measures of service demand that supports assessment of their impact on the road network.	
archive analysis requests	A user request that initiates data mining, analytical processing, aggregation or summarization, report formulation, or other advanced processing and analysis of archived data. The request also includes information that is used to identify and authenticate the user and support electronic payment requirements, if any.	
archive analysis results	Processed information products, supporting meta data, and any associated transaction information resulting from data mining, analytical processing, aggregation or summarization, report formulation, or other on-line processing and analysis of archived data.	
archive coordination	Catalog data, meta data, published data, and other information exchanged between archives to support data synchronization and satisfy user data requests.	
archive request confirmation	Confirmation that an archive request has been received and processed with information on the disposition of the request.	
archive requests*	A request to a data source for information on available data (i.e., "catalog") or a request that defines the data to be archived. The request can be a general subscription intended to initiate a continuous or regular data stream or a specific request inte	
archive status*	Notification that data provided to an archive contains erroneous, missing, or suspicious data or verification that the data provided appears valid. If an error has been detected, the offending data and the nature of the potential problem are identified. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
archived data product requests	A user-specified request for archived data products (i.e., data, meta data, or data catalogs). The request also includes information that is used to identify and authenticate the user and support electronic payment requirements, if any.	
archived data products	Raw or processed data, meta data, data catalogs and other data products provided to a user system upon request. The response may also include any associated transaction information.	
asset damage assessment	Information indicating the damage sustained by transportation assets, derived from aerial surveillance, field reports, inspections, tests, and analyses.	
asset inventory	Information on pavement, bridges, signs and other assets. This includes asset location, installation information, materials information, vendor/contractor information, current maintenance status, and a variety of other information (e.g., video logs) that define the transportation infrastructure.	

Flow Name	Description	Communication Solution(s)
asset status update	Changes to status of pavement, bridges, signs and other assets resulting from maintenance or construction activities or infrastructure monitoring. The updates may include changes in installation information, materials information, vendor/contractor information, condition, and current maintenance status. In addition to infrastructure asset updates, the information provided may also include status of the maintenance and construction support assets, including vehicle and equipment utilization and repair records.	
automated lane control data	Control commands and operating parameters for automated vehicle operations, including tightly coupled platooned groups of vehicles operating in dedicated or mixed-mode lanes. This flow includes platoon parameters including maximum platoon size, target speeds and gaps, and vehicle restrictions.	
automated lane status	Current operational status of lanes supporting automated vehicle operations. The flow includes the status of the RSEs, associated field equipment, and vehicles using the facility.	
barrier system control	Information used to configure and control barrier systems that are represented by gates, barriers and other automated or remotely controlled systems used to manage entry to roadways.	
barrier system coordination	The direct flow of information between field equipment. This includes information used to configure and control barrier systems that are represented by gates, barriers and other automated or remotely controlled systems used to manage entry to roadways. Current operating status of barrier systems is also shared including operating condition and current operational state.	
barrier system status	Current operating status of barrier systems. Barrier systems represent gates, barriers and other automated or remotely controlled systems used to manage entry to roadways. Status of the systems includes operating condition and current operational state.	
border clearance data request*	Request for trip specific data regarding the movement of goods across international borders. Includes trip identification number. May also include results from recent border crossing screening events. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
border clearance data*	Trip specific data regarding the movement of goods across international borders. Includes trip identification number. May also include results from recent border crossing screening events. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
border clearance event	Reports clearance event data regarding action taken at border, including acceptance or override of system decision, and date/time stamp	
border clearance event*	Reports clearance event data regarding action taken at border, including acceptance or override of system decision, and date/time stamp The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
broadcast advisories	General broadcast advisories that are provided over wide-area wireless communications direct to the vehicle radio. These analog advisory messages may provide similar content to ITS broadcast information flows, but include no digital data component. Existing Highway-Advisory Radio (HAR) advisory messages are a prime example of this flow.	
broadcast traveler information	General traveler information that contains traffic and road conditions, link travel times, incidents, advisories, restrictions, work zones, transit service information, weather information, parking information, and other related traveler information.	
citation	Report of commercial vehicle citation. The citation includes references to the statute(s) that was (were) violated. It includes information on the violator and the officer issuing the citation. A citation differs from a violation because it is adjudicated by the courts. The information may be provided as a response to a real-time query or proactively by the source. The query flow is not explicitly shown.	
commercial vehicle breach	Information about a breach or tamper event on a Commercial Vehicle or its attached freight equipment which includes identity, type of breach, location, and time.	

Flow Name	Description	Communication Solution(s)
commercial vehicle incident notification	Information about a Commercial Vehicle or Freight Equipment breach, non-permitted security sensitive hazmat detected at the roadside, route deviation, or Commercial Vehicle Driver / Commercial Vehicle / Freight Equipment assignment mismatches which includes the location of the Commercial Vehicle and appropriate identities. May carry information that enables incident reporting to responders, and also includes the type of vehicle and cargo concerned.	
commercial vehicle violation notification	Notification of a violation. The violation notification flow describes the statute or regulation that was violated and how it was violated (e. g., overweight on specific axle by xxx pounds or which brake was out of adjustment and how far out of adjustment it was). A violation differs from a citation because it is not adjudicated by the courts. It specifically includes the date/time and location of the violation and identification of the vehicle, driver, and associated equipment/cargo.	
credentials information	Response containing full vehicle fuel tax and registration credentials information. "Response" may be provided in reaction to a real-time query or a standing request for updated information. The query flow is not explicitly shown.	
credentials status information	Credentials information such as registration, licensing, insurance, check flags, and electronic screening enrollment data. A unique identifier is included. Corresponds to the credentials portion of CVISN "snapshots." The status information may be provided as a response to a real-time query or as a result of a standing request for updated information (subscription). This may also include information about non-U.S. fleets for use by U.S. authorities, and information regarding U.S. fleets made available to Mexican and Canadian authorities. The query flow is not explicitly shown.	
daily site activity data	Record of daily activities at commercial vehicle check stations including summaries of screening events and inspections.	
data collection and monitoring control	Information used to configure and control data collection and monitoring systems.	
data query publication	Data query publication includes those dialogs necessary to satisfy the response portion of a query-response action using the data distribution architecture. The information content varies widely based on available content and the query, but it generally includes information on the state of transportation system operations including traffic and road conditions, advisories, incidents, transit service information, weather information, parking information, and other related data.	
decision support information	Information provided to support effective and safe incident response, including local traffic, road, and weather conditions, hazardous material information, and the current status of resources (including vehicles, other equipment, supplies) that have been allocated to an incident.	
demand response passenger and use data	Data collected on board a demand response vehicle relating to the picking up and discharging of passengers.	
demand responsive transit plan	Plan regarding overall demand responsive transit schedules and deployment.	
demand responsive transit request	Request for paratransit support.	
device control request	Request for device control action	
device data	Data from detectors, environmental sensor stations, roadside equipment, and traffic control devices, including device inventory information.	
device status	Status information from devices	
driver information	Regulatory, warning, and guidance information provided to the driver while en route to support safe and efficient vehicle operation.	
driver log*	A daily log showing hours in service for the current driver. The query flow is not explicitly shown. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	

Flow Name	Description	Communication Solution(s)
dynamic sign coordination	The direct flow of information between field equipment. This includes information used to initialize, configure, and control dynamic message signs. This flow can provide message content and delivery attributes, local message store maintenance requests, control mode commands, status queries, and all other commands and associated parameters that support local management of these devices. Current operating status of dynamic message signs is returned.	
electronic lock data request*	Request from roadside for data regarding presence and status of electronic cargo locks. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
electronic lock data*	Notification to roadside (via transponder) of the presence and status of electronic cargo locks. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
electronic screening request*	Request for identification data to support electronic screening. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
emergency acknowledge	Acknowledge request for emergency assistance and provide additional details regarding actions and verification requirements.	
emergency archive data	Logged emergency information including information that characterizes identified incidents (routine highway incidents through disasters), corresponding incident response information, evacuation information, surveillance data, threat data, and resource information. Content may include a catalog of available information, the actual information to be archived, and associated meta data that describes the archived information.	
emergency dispatch requests	Emergency vehicle dispatch instructions including incident location and available information concerning the incident.	
emergency dispatch response	Request for additional emergency dispatch information and provision of en route status.	
emergency notification	An emergency request for assistance that is automatically initiated by a vehicle or manually initiated by a vehicle occupant. The request includes call-back number, date, time, location, pre-event vehicle heading, vehicle make, model, model year, and fuel type, and crash severity indicators. Crash severity indicators include: airbags deployed, number of impacts, crash delta velocity, principle direction of force, and rollover indication. In addition, seatbelt restraint use, number of occupants, occupant location, and intrusion may be included. For commercial vehicles, this flow may also include freight equipment type (box, flatbed, trailer, container, etc.), type of cargo (refrigerated, non-perishable, liquid, etc.), hazardous material data, quantity of cargo, and cargo permits as applicable (hazmat, special routing permissions).	
emergency operations input	Emergency operator input supporting call taking, dispatch, emergency operations, security monitoring, and other operations and communications center operator functions.	
emergency operations status	Presentation of information to the operator including emergency operations data, supporting a range of emergency operating positions including call taker, dispatch, emergency operations, security monitoring, and various other operations and communications center operator positions.	
emergency plan coordination	Information that supports coordination of emergency management plans, continuity of operations plans, emergency response and recovery plans, evacuation plans, and other emergency plans between agencies. This includes general plans that are coordinated prior to an incident and shorter duration tactical plans that are prepared during an incident.	
emergency route request	Request for access routes for emergency response vehicles and equipment. This may be a request for ingress or egress routes or other emergency routes. It may also include a request for preemption/priority for the identified vehicle at all signalized intersections along the route.	
emergency routes	Suggested ingress and egress routes for access to and between the scene and staging areas or other specialized emergency access routes.	

Flow Name	Description	Communication Solution(s)
emergency traffic control information	Status of a special traffic control strategy or system activation implemented in response to an emergency traffic control request, a request for emergency access routes, a request for evacuation, a request to activate closure systems, a request to employ driver information systems to support public safety objectives, or other special requests. Identifies the selected traffic control strategy and system control status.	
emergency traffic control request	Special request to preempt the current traffic control strategy in effect at one or more signalized intersections or highway segments, activate traffic control and closure systems such as gates and barriers, activate safeguard systems, or use driver information systems. For example, this flow can request all signals to red-flash, request a progression of traffic control preemptions along an emergency vehicle route, request a specific evacuation traffic control plan, request activation of a road closure barrier system, or place a public safety or emergency-related message on a dynamic message sign.	
emergency traffic coordination	Coordination supporting disaster response including evacuation and reentry. Includes coordination of special traffic control strategies that support efficient evacuation and reentry while protecting and optimizing movement of response vehicles and other resources responding to the emergency.	
emergency traveler information	Public notification of an emergency such as a natural or man-made disaster, civil emergency, or child abduction. This flow also includes evacuation information including evacuation instructions, evacuation zones, recommended evacuation times, tailored evacuation routes and destinations, traffic and road conditions along the evacuation routes, traveler services and shelter information, and reentry times and instructions.	
emergency traveler information request	Request for alerts, evacuation information, and other emergency information provided to the traveling public.	
emergency vehicle tracking data	The current location and operating status of the emergency vehicle.	
emissions sensor control	Data used to configure and control vehicle emissions sensors.	
emissions violation notification	Notification to enforcement agency of a detected vehicle emissions violation. This information flow identifies the vehicle and documents the emissions violation.	
environmental conditions data	Current road conditions (e.g., surface temperature, subsurface temperature, moisture, icing, treatment status) and surface weather conditions (e.g., air temperature, wind speed, precipitation, visibility) as measured and reported by fixed and/or mobile environmental sensors and aggregated by the data collector. Attributes relating to the data collection (and aggregation) are also included.	
environmental sensor coordination	The direct flow of information between field equipment. This includes configuration and control of environmental sensors and the current road conditions (e.g., surface temperature, subsurface temperature, moisture, icing, treatment status) and surface weather conditions (e.g., air temperature, wind speed, precipitation, visibility) as measured and reported by fixed and/or mobile environmental sensors. Operational status of the sensors is also included.	
environmental sensor data	Current road conditions (e.g., surface temperature, subsurface temperature, moisture, icing, treatment status) and surface weather conditions (e.g., air temperature, wind speed, precipitation, visibility) as measured and reported by fixed and/or mobile environmental sensors. Operational status of the sensors is also included.	
environmental sensor data*	Current road conditions (e.g., surface temperature, subsurface temperature, moisture, icing, treatment status) and surface weather conditions (e.g., air temperature, wind speed, precipitation, visibility) as measured and reported by fixed and/or mobile environmental sensors. Operational status of the sensors is also included. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
environmental sensors control	Data used to configure and control environmental sensors.	

Flow Name	Description	Communication Solution(s)
environmental sensors control*	Data used to configure and control environmental sensors. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
equipment maintenance request	Identification of field equipment requiring repair and known information about the associated faults.	
equipment maintenance status	Current status of field equipment maintenance actions.	
evacuation coordination	Coordination of information regarding a pending or in-process evacuation. Includes evacuation zones, evacuation times, evacuation routes, forecast network conditions, and reentry times.	
evacuation information	Evacuation instructions and information including evacuation zones, evacuation times, and reentry times.	
event confirmation	Confirmation that special event details have been received and processed.	
event information	Special event information for travelers. This would include a broader array of information than the similar "event plans" that conveys only information necessary to support traffic management for the event.	
event plans	Plans for major events possibly impacting traffic.	
external reports	Traffic and incident information that is collected by the media through a variety of mechanisms (e.g., radio station call-in programs, air surveillance).	
fare and price information	Current transit, parking, and toll fee schedule information.	
fare collection data	Fare collection information including the summary of fare system data and financial payment transaction data.	
fare management information	Transit fare information and transaction data used to manage transit fare processing.	
field equipment status	Reports from field equipment (sensors, signals, signs, controllers, etc.) which indicate current operational status.	
freight equipment information*	Container, trailer, or chassis information regarding identity, type, location, brake wear data, mileage, seal #, seal type, door open/close status, chassis bare/covered status, tethered / untethered status, temperature, humidity, power, battery levels, brake wear data, and bill of lading/information regarding the cargo/content. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
incident command information coordination	Information that supports local management of an incident. It includes resource deployment status, hazardous material information, traffic, road, and weather conditions, evacuation advice, and other information that enables emergency or maintenance personnel in the field to implement an effective, safe incident response.	
incident information	Notification of existence of incident and expected severity, location, time and nature of incident. As additional information is gathered and the incident evolves, updated incident information is provided. Incidents include any event that impacts transportation system operation ranging from routine incidents (e.g., disabled vehicle at the side of the road) through large-scale natural or human-caused disasters that involve loss of life, injuries, extensive property damage, and multi-jurisdictional response. This also includes special events, closures, and other planned events that may impact the transportation system.	
incident information for media	Report of current desensitized incident information prepared for public dissemination through the media.	
incident information for public	Report of current desensitized incident information prepared for public dissemination.	
incident notification	The notification of an incident including its nature, severity, and location.	

Flow Name	Description	Communication Solution(s)
incident notification response	Interactive acknowledgement and verification of the incident information received, requests for additional information, and general information on incident response status.	
incident report	Report of an identified incident including incident location, type, severity and other information necessary to initiate an appropriate incident response.	
incident response coordination	Incident response procedures and current incident response status that are shared between allied response agencies to support a coordinated response to incidents. This flow provides current situation information, including a summary of incident status and its impact on the transportation system and other infrastructure, and current and planned response activities. This flow also coordinates a positive hand off of responsibility for all or part of an incident response between agencies.	
incident response status	Status of the current incident response including a summary of incident status and its impact on the transportation system, traffic management strategies implemented at the site (e.g., closures, diversions, traffic signal control overrides), and current and planned response activities.	
incident scene status	Information gathered at the incident site that more completely characterizes the incident and provides current incident response status.	
information on violators	Information on violators provided by a law enforcement agency. May include information about commercial vehicle violations or other kinds of violations associated with the particular entity. The information may be provided as a response to a real-time query or proactively by the source. The query flow is not explicitly shown.	
infrastructure conditions data	Current condition of pavement, bridges, culverts, signs, and other roadway infrastructure as measured by on-board sensors or read from infrastructure-based sensors. The data may include raw data or images (e.g., photo logs) that indicate the current status of the infrastructure.	
infrastructure monitoring sensor control	Data used to configure and control infrastructure monitoring sensors.	
infrastructure monitoring sensor control*	Data used to configure and control infrastructure monitoring sensors. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
infrastructure monitoring sensor data	Data read from infrastructure-based sensors that monitor the condition or integrity of transportation infrastructure including bridges, tunnels, interchanges, pavement, culverts, signs, transit rail or guideway, and other roadway infrastructure. Includes sensor data and the operational status of the sensors.	
infrastructure monitoring sensor data*	Data read from infrastructure-based sensors that monitor the condition or integrity of transportation infrastructure including bridges, tunnels, interchanges, pavement, culverts, signs, transit rail or guideway, and other roadway infrastructure. Includes sensor data and the operational status of the sensors. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
interactive traveler information	Traveler information provided in response to a traveler request. The provided information includes traffic and road conditions, advisories, incidents, restrictions, payment information, transit services, parking information, weather information, and other travel-related data updates and confirmations.	
intersection status	Current signal phase and timing information for all lanes at a signalized intersection. This flow identifies active lanes and lanes that are being stopped and specifies the length of time that the current state will persist for each lane. It also identifies signal priority and preemption status and pedestrian crossing status information where applicable.	
lane management coordination	The direct flow of information between field equipment. This includes information used to configure and control dynamic lane management systems and the status of managed lanes including current operational state, violations, and logged information. This also includes lane usage information including both traditional traffic flow measures and special information associated with managed lanes such as measured passenger occupancies. It also includes the operational status of the lane management equipment.	

Flow Name	Description	Communication Solution(s)
lane management information	System status of managed lanes including current operational state, violations, and logged information. This includes lane usage information including both traditional traffic flow measures and special information associated with managed lanes such as measured passenger occupancies. It also includes the operational status of the lane management equipment.	
local priority request coordination	The direct flow of information between field equipment. This includes notification of crossing calls from pedestrians and other vulnerable road users and requests for signal prioritization or preemption, and any other request for right-of-way at an intersection. The status of the priority request is also shared. For vulnerable road users, this includes information provided to guide and warn vulnerable road users at crossings including crossing permission status and crossing time remaining.	
local signal preemption request	Direct control signal or message to a signalized intersection that results in preemption of the current control plan and grants right-of-way to the requesting vehicle.	
local signal priority request	Request from a vehicle to a signalized intersection for priority at that intersection. This flow also allows the vehicle to cancel a priority request (for example, when the vehicle clears the intersection).	
local situation data*	This general flow represents the traffic, environmental, and emissions situation data that is collected from connected vehicles by an RSE, aggregated, filtered, and provided to a back-office center. It also includes data collected from ITS roadway equipment that provides current intersection and road network status for the area proximate to the RSE. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
logged vehicle routes	Anticipated route information for guided vehicles, special vehicles (e.g., oversize vehicles) or groups of vehicles (e.g., governor's motorcade) that may require changes in traffic control strategy.	
maint and constr dispatch information	Information used to dispatch maintenance and construction vehicles, equipment, and crews and information used to keep work zone crews informed. This information includes routing information, traffic information, road restrictions, incident information, environmental information, decision support information, maintenance schedule data, dispatch instructions, personnel assignments, alert notifications, and corrective actions.	
maint and constr dispatch status	Current maintenance and construction status including work data, operator status, crew status, and equipment status.	
maint and constr resource coordination	Request for road maintenance and construction resources that can be used in the diversion of traffic (cones, portable signs), clearance of a road hazard, repair of ancillary damage, or any other incident response.	
maint and constr resource request	Request for road maintenance and construction resources that can be used in the diversion of traffic (cones, portable signs), clearance of a road hazard, repair of ancillary damage, or any other incident response. The request may poll for resource availability or request pre-staging, staging, or immediate dispatch of resources.	
maint and constr resource response	Current status of maintenance and construction resources including availability and deployment status. General resource inventory information covering vehicles, equipment, materials, and people and specific resource deployment status may be included.	
maint and constr vehicle conditions	Vehicle diagnostics information that is collected, filtered, and selectively reported by a maintenance and construction vehicle. The information includes engine temperature, mileage, tire wear, brake wear, belt wear, and any warnings or alarms concerning the operational condition of the vehicle and ancillary equipment.	
maint and constr vehicle location data	The current location and related status (e.g., direction and speed) of the maintenance/construction vehicle.	

Flow Name	Description	Communication Solution(s)
maint and constr vehicle operational data	Data that describes the maintenance and construction activity performed by the vehicle. Operational data includes materials usage (amount stored and current application rate), operational state of the maintenance equipment (e.g., blade up/down, spreader pattern), vehicle safety status, and other measures associated with the operation of a maintenance, construction, or other special purpose vehicle. Operational data may include basic operational status of the vehicle equipment or a more precise record of the work performed (e.g., application of crack sealant with precise locations and application characteristics).	
maint and constr vehicle system control	Configure and control data that supports remote control of on-board maintenance and construction vehicle systems and field equipment that is remotely controlled by the vehicle. For example, the data can be used to adjust material application rates and spread patterns.	
maint and constr work plans	Future construction and maintenance work schedules and activities including anticipated closures with anticipated impact to the roadway, alternate routes, anticipated delays, closure times, and durations.	
maintenance and repair needs	Recommended strategies and schedules for maintenance of the transportation infrastructure.	
map updates	Map update that could include a new underlying static or real-time map or map layer(s) update. Map layers can include highways, major roads, streets, public transport routes, pedestrian routes, topography, points of interest, and regulatory information including turn restrictions and speed limits.	
on-board safety data*	Safety data measured by on-board sensors. Includes information about the vehicle, vehicle components, cargo, and driver. The query flow is not explicitly shown. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
parking information	General parking information and status, including current parking availability, parking pricing, and parking space availability information.	
parking reservation confirmation	Confirmation for parking reservation.	
parking reservation request	Reservation request for parking.	
parking traffic information	Instructions for operation of local parking facilities to support regional traffic management objectives (e.g., which parking lot exits to use). Also, includes inputs from traffic sensors to monitor parking queues and support more effective management of parking entrances and exits.	
pass/pull-in*	Command to commercial vehicle to pull into or bypass inspection station. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
personal transit information	General and personalized transit information for a particular fixed route, flexible route, or paratransit system.	
qualified environmental conditions data	Current road conditions (e.g., surface temperature, subsurface temperature, moisture, icing, treatment status) and surface weather conditions (e.g., air temperature, wind speed, precipitation, visibility) that has had quality checks performed on it and has been formatted and consolidated by the Clarus system. Attributes relating to the data collection (and aggregation) are also included.	
rail crossing blockage notification	Notification that a highway-rail intersection is obstructed and supporting information.	
rail crossing control data	Data required for HRI information transmitted at railroad grade crossings and within railroad operations.	
rail crossing request	A request for highway-rail intersection status or a specific control request intended to modify HRI operation.	
rail crossing status	Status of the highway-rail intersection equipment including both the current state or mode of operation and the current equipment condition.	

Flow Name	Description	Communication Solution(s)
remote surveillance control	The control commands used to remotely operate another center's sensors or surveillance equipment so that roadside surveillance assets can be shared by more than one agency.	
remote vehicle disable	Signal used to remotely disable a transit vehicle.	
request for enforcement	Request for traffic enforcement of speed limits, lane controls, etc. on a roadway including in a work zone or other special situations.	
request for payment	Request to deduct cost of service from user's payment account.	
request tag data	Request for tag information including tag id and associated data.	
resource coordination	Coordination of resource inventory information, specific resource status information, resource prioritization and reallocation between jurisdictions, and specific requests for resources and responses that service those requests.	
resource deployment status	Status of resource deployment identifying the resources (vehicles, equipment, materials, and personnel) available and their current status. General resource inventory information and specific status of deployed resources may be included.	
resource request	A request for resources to implement special traffic control measures, assist in clean up, verify an incident, etc. The request may poll for resource availability or request pre-staging, staging, or immediate deployment of resources. Resources may be explicitly requested or a service may be requested and the specific resource deployment may be determined by the responding agency.	
reversible lane control	Control of automated reversible lane configuration and driver information systems.	
reversible lane coordination	The direct flow of information between field equipment. This includes control of automated reversible lane configuration and driver information systems and current reversible lane status including the operational status and mode of the reversible lane control equipment.	
reversible lane status	Current reversible lane status including traffic sensor and surveillance data and the operational status and mode of the reversible lane control equipment.	
right-of-way request notification	Notice that a request has occurred for signal prioritization, signal preemption, pedestrian call, multi-modal crossing activation, or other source for right-of-way.	
road network conditions	Current and forecasted traffic information, road and weather conditions, and other road network status. Either raw data, processed data, or some combination of both may be provided by this flow. Information on diversions and alternate routes, closures, and special traffic restrictions (lane/shoulder use, weight restrictions, width restrictions, HOV requirements) in effect is included.	
road network environmental situation data	Aggregated environmental situation data collected from vehicles and other sources for the road network. Aggregated information would include measured air temperature, exterior light status, wiper status, sun sensor status, rain sensor status, traction control status, ALB status, and other collected vehicle system status and sensor information for the region.	
road network status assessment	Assessment of damage sustained by the road network including location and extent of the damage, estimate of remaining capacity, required closures, alternate routes, necessary restrictions, and time frame for repair and recovery.	
road network traffic situation data	Aggregated route usage, travel times, and other aggregated data collected from probe vehicles that can be used to estimate current traffic conditions.	
road treatment data	Basic road facility and treatment information that supports road conditions forecasts.	
road weather information	Road conditions and weather information that are made available by road maintenance operations to other transportation system operators.	
roadside archive data	A broad set of data derived from roadside sensors that includes current traffic conditions, environmental conditions, and any other data that can be directly collected by roadside sensors. This data also indicates the status of the sensors and reports of any identified sensor faults.	

Flow Name	Description	Communication Solution(s)
roadway dynamic signage data	Information used to initialize, configure, and control dynamic message signs. This flow can provide message content and delivery attributes, local message store maintenance requests, control mode commands, status queries, and all other commands and associated parameters that support remote management of these devices.	
roadway dynamic signage data*	Information used to initialize, configure, and control dynamic message signs. This flow can provide message content and delivery attributes, local message store maintenance requests, control mode commands, status queries, and all other commands and associated parameters that support remote management of these devices. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
roadway dynamic signage status	Current operating status of dynamic message signs.	
roadway dynamic signage status*	Current operating status of dynamic message signs. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
roadway maintenance status	Summary of maintenance fleet operations affecting the road network. This includes the status of winter maintenance (snow plow schedule and current status).	
roadway treatment coordination	The direct flow of information between field equipment. This includes control data for remotely located, automated devices, that treat the road surface (e.g., de-icing applications) and the current operational status of automated roadway treatment devices.	
roadway treatment system control	Control data for remotely located, automated devices, that treat the road surface (e.g., de-icing applications).	
roadway treatment system status	Current operational status of automated roadway treatment devices (e.g., anti-icing systems).	
route assignment	Route assignment information for transit vehicle operator.	
safeguard system control	Data that controls safeguard systems (remotely controlled equipment used to mitigate the impact of incidents on transportation infrastructure, such as blast shields, exhaust systems, etc.).	
safeguard system status	Current operating status of safeguard systems (remotely controlled equipment used to mitigate the impact of incidents on transportation infrastructure, such as blast shields, exhaust systems, etc.). Status of the systems includes operating condition and current operational state.	
safety inspection record*	Record containing results of commercial vehicle safety inspection. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
safety inspection report	Report containing results of commercial vehicle safety inspection. The information may be provided as a response to a real-time query or proactively by the source. The query flow is not explicitly shown.	
safety inspection request*	Request for safety inspection record. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
safety status information	Safety information such as safety ratings, security ratings or flags, inspection summaries, and violation summaries. A unique identifier is included. Corresponds to the safety and security portion of CVISN "snapshots." The status information may be provided as a response to a real-time query or as a result of a standing request for updated information (subscription). This may also include information about non-U.S. fleets for use by U.S. authorities, and information regarding U.S. fleets made available to Mexican and Canadian authorities. The query flow is not explicitly shown.	
screening event record*	Results of CVO electronic screening activity. The asterisk (*) indicates that this triple has been discontinued and is no longer included in ARC-IT.	
secure area sensor control	Information used to configure and control threat sensors (e.g., thermal, acoustic, radiological, chemical), object, motion and intrusion detection sensors. The provided information controls sensor data collection, aggregation, filtering, and other local processing.	

Flow Name	Description	Communication Solution(s)
secure area sensor data	Data provided by threat sensors (e.g., thermal, acoustic, radiological, chemical), and intrusion, motion, and object detection sensors in secure areas indicating the sensor's operational status, raw and processed sensor data, and alarm indicators when a threat has been detected.	
secure area surveillance control	Information used to configure and control audio and video surveillance systems used for transportation infrastructure security in secure areas. The provided information controls surveillance data collection, aggregation, filtering, and other local processing.	
secure area surveillance data	Data collected from surveillance systems used to monitor secure areas. Includes video, audio, processed surveillance data, equipment operational status, and alarm indicators when a threat has been detected.	
signal control commands	Control of traffic signal controllers or field masters including clock synchronization.	
signal control coordination	The direct flow of information between field equipment. This includes configuration and control of traffic signal controllers or field masters. Configuration data and operational status of traffic signal control equipment including operating condition and current indications are returned.	
signal control device configuration	Data used to configure traffic signal control equipment including local controllers and system masters.	
signal control plans	Traffic signal timing parameters including minimum green time and interval durations for basic operation and cycle length, splits, offset, phase sequence, etc. for coordinated systems.	
signal control status	Operational and status data of traffic signal control equipment including operating condition and current indications.	
signal fault data	Faults reported by traffic signal control equipment.	
signal system configuration	Data used to configure traffic signal systems including configuring control sections and mode of operation (time based or traffic responsive).	
speed monitoring control	Information used to configure and control automated speed monitoring, speed warning, and speed enforcement systems.	
speed monitoring information	System status including current operational state and logged information including measured speeds, warning messages displayed, and violation records.	
suggested route	Suggested route for a dispatched emergency or maintenance vehicle that may reflect current network conditions and the additional routing options available to en route emergency or maintenance vehicles that are not available to the general public.	
tag data	Unique tag ID and related vehicle information.	
threat data for analysis	Data from surveillance or sensor equipment in secure areas provided for further analysis.	
threat information	Threats regarding transportation infrastructure, facilities, or systems detected by a variety of methods (sensors, surveillance, threat analysis of advisories from outside agencies, etc.	
threat information coordination	Sensor, surveillance, and threat data including raw and processed data that is collected by sensor and surveillance equipment located in secure areas.	
threat support data	Information provided to help receiving agency identify possible threats, including biometric image processing support data.	
traffic archive data	Information describing the use and vehicle composition on transportation facilities and the traffic control strategies employed. Content may include a catalog of available information, the actual information to be archived, and associated meta data that describes the archived information.	
traffic control priority request	Request for signal priority at one or more intersections along a particular route.	
traffic control priority status	Status of signal priority request functions at the roadside (e.g., enabled or disabled).	
traffic detector control	Information used to configure and control traffic detector systems such as inductive loop detectors and machine vision sensors.	

Flow Name	Description	Communication Solution(s)
traffic detector coordination	The direct flow of information between field equipment. This includes information used to configure and control traffic detector systems such as inductive loop detectors and machine vision sensors. Raw and/or processed traffic detector data is returned that allows derivation of traffic flow variables (e.g., speed, volume, and density measures) and associated information (e.g., congestion, potential incidents). This flow includes the traffic data and the operational status of the traffic detectors.	
traffic detector data	Raw and/or processed traffic detector data which allows derivation of traffic flow variables (e.g., speed, volume, and density measures) and associated information (e.g., congestion, potential incidents). This flow includes the traffic data and the operational status of the traffic detectors.	
traffic images	High fidelity, real-time traffic images suitable for surveillance monitoring by the operator or for use in machine vision applications. This flow includes the images. Meta data that describes the images is contained in another flow.	
traffic information for media	Report of traffic conditions including traffic incident reports for public dissemination through the media. The reports may also include information on diversions and alternate routes, closures, and special traffic restrictions in effect.	
traffic metering control	Control commands and operating parameters for ramp meters, interchange meters, mainline meters, and other systems equipment associated with roadway metering operations.	
traffic metering coordination	The direct flow of information between field equipment. This includes control commands and operating parameters for ramp meters, interchange meters, mainline meters, and other systems equipment associated with roadway metering operations. Current operational status of the traffic metering status is also provided.	
traffic metering status	Current operational status and operating parameters for ramp meters, interchange meters, mainline meters and other control equipment associated with roadway metering operations.	
traffic operator data	Presentation of traffic operations data to the operator including traffic conditions, current operating status of field equipment, maintenance activity status, incident status, video images, security alerts, emergency response plan updates and other information. This data keeps the operator appraised of current road network status, provides feedback to the operator as traffic control actions are implemented, provides transportation security inputs, and supports review of historical data and preparation for future traffic operations activities.	
traffic operator input	User input from traffic operations personnel including requests for information, configuration changes, commands to adjust current traffic control strategies (e.g., adjust signal timing plans, change DMS messages), and other traffic operations data entry.	
traffic situation data	Current, aggregate traffic data collected from connected vehicles that can be used to supplement or replace information collected by roadside traffic detectors. It includes raw and/or processed reported vehicle speeds, counts, and other derived measures. Raw and/or filtered vehicle control events may also be included to support incident detection.	
transit and fare schedules	Transit service information including routes, schedules, and fare information. This also includes on-demand service information.	
transit archive data	Data used to describe and monitor transit demand, fares, operations, and system performance. Content may include a catalog of available information, the actual information to be archived, and associated meta data that describes the archived information.	
transit emergency data	Initial notification of transit emergency at a transit stop or on transit vehicles and further coordination as additional details become available and the response is coordinated.	
transit fare information	Information provided by transit management that supports fare payment transactions.	
transit incident information	Information on transit incidents that impact transit services for public dissemination.	
transit information for media	Report of transit schedule deviations for public dissemination through the media.	

Flow Name	Description	Communication Solution(s)
transit information user request	Request for special transit routing, real-time schedule information, and availability information.	
transit operations status	Presentation of information to transit operations personnel including accumulated schedule and fare information, ridership and on-time performance information, emergency response plans, transit personnel information, maintenance records, and other information intended to support overall planning and management of a transit property.	
transit schedule information	Current and projected transit schedule information used to initialize the transit vehicle with a vehicle assignment, monitor schedule performance, and develop corrective actions on-board.	
transit service coordination	Schedule coordination or AVL information shared between local/regional transit organizations. This includes coordination of connections and control parameters between transit properties as well as coordination of transit-related maintenance activities.	
transit service information	Transit service information including routes, schedules, and fare information as well as dynamic transit schedule adherence and transit vehicle location information.	
transit system data	Current transit system operations information indicating current transit routes and fares, the level of service on each route, and the progress of individual vehicles along their routes for use in forecasting demand and estimating current transportation network performance.	
transit traveler information	Transit information prepared to support transit users and other travelers. It contains transit schedules, real-time arrival information, fare schedules, alerts and advisories, and general transit service information.	
transit traveler request	Request by a Transit traveler to summon assistance, request transit information, or request any other transit services.	
transit vehicle conditions	Operating conditions of transit vehicle (e.g., engine running, oil pressure, fuel level and usage). It includes status of other on-board systems including user displays, passenger counters, and security systems. This overall status information is also collected from unused (out of service) vehicles.	
transit vehicle loading data	Data collected on board the transit vehicle relating to passenger boarding and alighting.	
transit vehicle location data	Current transit vehicle location and related operational conditions data provided by a transit vehicle.	
transit vehicle operator authentication information	Information regarding on-board transit operator authentication	
transit vehicle operator authentication update	Results of authentication process or update of on-board authentication database.	
transit vehicle operator availability	Transit vehicle operator availability data that can be used to develop vehicle operator assignments and detailed operations schedules.	
transit vehicle operator display	Visual, audible, and tactile outputs to the transit vehicle operator including vehicle surveillance information, alarm information, vehicle system status, information from the operations center, and information indicating the status of all other on-board ITS services.	
transit vehicle operator information	Transit service instructions, wide area alerts, traffic information, road conditions, and other information for both transit and paratransit operators.	
transit vehicle operator input	Transit vehicle operator inputs to on-board ITS equipment, including tactile and verbal inputs. Includes authentication information, on-board system control, emergency requests, and fare transaction data.	
transit vehicle schedule performance	Estimated times of arrival and anticipated schedule deviations reported by a transit vehicle.	

Flow Name	Description	Communication Solution(s)
transportation operational strategies	Operational strategies for each operating agency in a transportation corridor, downtown area, or other travel-impacted area, providing an integrated operations strategy for the freeways, tollways, arterials, transit services, parking facilities, and other transportation-related facilities in the area. These strategies can include dynamic adjustments to transit fares and tolls, parking fees and restrictions, dynamic lane restriction changes, and other active demand management strategies.	
transportation system status	Current status and condition of transportation infrastructure (e.g., tunnels, bridges, interchanges, TMC offices, maintenance facilities). In case of disaster or major incident, this flow provides an assessment of damage sustained by the surface transportation system including location and extent of the damage, estimate of remaining capacity and necessary restrictions, and time frame for repair and recovery.	
transportation weather information	Current and forecast road conditions and weather information (e.g., surface condition, flooding, wind advisories, visibility, etc.) associated with the transportation network. This information is of a resolution, timeliness, and accuracy to be useful in transportation decision making.	
travel services information	Travel service information and reservations for tourist attractions, lodging, dining, service stations, emergency services, and other services and businesses of interest to the traveler.	
travel services request	Request for travel service information including tourist attractions, lodging, restaurants, service stations, and emergency services. The request identifies the type of service, the area of interest, optional reservation request information, parameters that are used to prioritize or filter the returned information, and sorting preferences.	
traveler alerts	Traveler information alerts reporting congestion, incidents, adverse road or weather conditions, parking availability, transit service delays or interruptions, and other information that may impact the traveler. Relevant alerts are provided based on traveler-supplied profile information including trip characteristics and preferences.	
traveler archive data	Data associated with traveler information services including service requests, facility usage, rideshare, routing, and traveler payment transaction data. Content may include a catalog of available information, the actual information to be archived, and associated meta data that describes the archived information.	
traveler information application info	Traveler information and associated parameters, filters, and thresholds that control the RSE's distribution of the traveler information to passing vehicles. This flow also supports remote control of the application so the application can be taken offline, reset, or restarted.	
traveler information for media	General traveler information regarding incidents, unusual traffic conditions, transit issues, or other advisory information that has been desensitized and provided to the media.	
traveler input	User input from a traveler to summon assistance, request travel information, make a reservation, or request any other traveler service.	
traveler interface updates	Visual or audio information (e.g., routes, messages, guidance, emergency information) that is provided to the traveler.	
traveler request	A request for traveler information including traffic, transit, toll, parking, road weather conditions, event, and passenger rail information. The request identifies the type of information, the area of interest, parameters that are used to prioritize or filter the returned information, and sorting preferences.	
trip confirmation	Acknowledgement by the driver/traveler of acceptance of a trip plan with associated personal and payment information required to confirm reservations. Conversely, this flow may also reject the proposed trip plan. Confirmations include the selected route and subsequent trip confirmation messages will be issued for route changes.	
trip declaration identifiers	Specific identifiers extracted from notification containing information regarding pending commercial freight shipment into the U.S. Includes carrier, vehicle, and driver identification data.	
trip plan	A travel itinerary identifying a route and associated traveler information and instructions identifying recommended modes and transfer information, ride sharing options, and transit and parking reservation information. This flow also includes intermediate information that is provided as the trip plan is interactively created, including identification of alternatives, requests for additional information.	

Flow Name	Description	Communication Solution(s)
trip request	Request for trip planning services that identifies the trip origin, destination(s), timing, preferences, and constraints. The request may also include the requestor's location or a request for transit and parking reservations and ridesharing options associated with the trip. The trip request also covers requests to revise a previously planned trip and interim updates that are provided as the trip is interactively planned.	
user profile	Information provided to register for a travel service and create a user account. The provided information includes personal identification, traveler preferences (e.g., maximum transfer wait time, maximum walking distance, mode preferences, special needs), device information, a user ID and password, and information to support payment transactions, if applicable.	
vehicle emissions data	Measured emissions of specific vehicles comprised of exhaust pollutants including hydrocarbons, carbon monoxide, and nitrogen oxides.	
vehicle location and motion for mapping	Vehicles may provide location and motion data independently using wide-area wireless communications to application/service providers who use the provided data to update their maps and maintain real-time traffic and road conditions information sourced from their client-base.	
video surveillance control	Information used to configure and control video surveillance systems.	
video surveillance coordination	The direct flow of information between field equipment. This includes information used to configure and control video surveillance systems and the high fidelity, real-time traffic images and associated meta data that are returned.	
violation notification	Notification to enforcement agency of detected traffic violations. This notification identifies the vehicle and documents the infraction date, time, and location, the violation, and associated information that documents the violation. For example, for a speed violation, this flow includes the measured speed and current posted speed limit.	
voice-based alert notification	Information to be distributed to the traveling public via voice regarding a major emergency such as a natural or man-made disaster, civil emergency, severe weather or child abduction. The flow may identify the alert originator, the nature of the emergency, the geographic area affected by the emergency, the effective time period, and information and instructions necessary for the public to respond to the alert. The content of this architecture flow may be specially formatted for voice-based traveler information.	
voice-based traveler information	Traveler information sent to the telecommunications systems for traveler information terminator. This flow may represent the bulk transfer of traveler information, including traffic conditions, incident information, transit information and weather and road condition information. It may be specially formatted for voice-based traveler information.	
voice-based traveler request	The electronic traveler information request from the telecommunications systems for traveler information terminator. It may be specifically formatted for voice-based traveler requests. The request can be a general subscription intended to initiate a continuous or regular data stream or a specific request intended to initiate a one-time response from the recipient.	
weather archive data	Accumulated forecasted and current weather data (e.g., temperature, pressure, wind speed, wind direction, humidity, precipitation, visibility, light conditions, etc.) as well as qualified environmental sensor data. Content may include a catalog of available information, the actual information to be archived, and associated meta data that describes the archived information.	
weather information	Accumulated forecasted and current weather data (e.g., temperature, pressure, wind speed, wind direction, humidity, precipitation, visibility, light conditions, etc.).	
work plan feedback	Comments and suggested changes to proposed construction and maintenance work schedules and activities. This information influences work plan schedules so that they minimize impact to other system operations and the overall transportation system.	

Flow Name	Description	Communication Solution(s)
work zone information	Summary of maintenance and construction work zone activities affecting the road network including the nature of the maintenance or construction activity, location, impact to the roadway, expected time(s) and duration of impact, anticipated delays, alternate routes, and suggested speed limits. This information may be augmented with images that provide a visual indication of current work zone status and traffic impacts.	
work zone status	Current work zone status including current location (and future locations for moving work zones), impact to the roadway, required lane shifts, expected time(s) and duration of impact, anticipated delays, alternate routes, and suggested speed limits.	
work zone warning device control	Data used to configure and control work zone safety monitoring and warning devices.	
work zone warning notification	Notification of a work zone emergency or safety issue. This flow identifies that a work zone emergency or safety issue has occurred so that warnings may be generated by more than one system in the work zone.	
work zone warning status	Status of a work zone safety monitoring and warning devices. This flow documents system activations and includes additional supporting information (e.g., an image) that allows verification of the alarm.	

