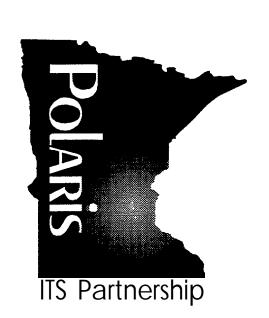Minnesota Department of Transportation Agreement Number: 73807F

Minnesota Intelligent Transportation Systems

ITS Component Specification

APPENDIX C: Output Data Flows for Components

ITS Partnership

Prepared for the Minnesota Department of Transportation by:

Lockheed Martin Federal Systems
Intelligent Transportation Systems
Mail Drop 0124
1801 State Route 17C
Owego, New York 13827-3998

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This appendix defines the output data flows for each component of the Polaris Physical Architecture. The appendix is arranged in alphabetical order according to the source component (i.e., the component that is sending the data). For each source component, the data flows are listed in alphabetical order. Each data flow is defined and its associated destination component (i.e., the component that receives the data) is listed. Duplicate destination component entries indicate that multiple services utilize the same data flow between source and destination components.

Appendix C: Output Data Flows for Components

Source Component	Data Flow Name	Definition	Destination Component
Account Management Provider(s)	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)
	Authorized User List	consists of a list of authorized users for the specified service.	Demand Responsive Transit Center(s)
			Mayday Service Provider(s)
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Rideshare Center
			Tailored Traveler Information Provider(s)
			Toll Authority Center(s)
			Transit Service Provider(s)
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
	Profile Confirmation	consists of an acknowledgement that profile information has been received and processed.	User Interface Equipment
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)
	User Profile	consists of information specific to a user that uniquely identifies that user and their travel information preferences.	Demand Responsive Transit Center(s)
			Mayday Service Provider(s)
			Regional ITS Management Center
			Rideshare Center
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
Basic Vehicle	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Parking Management Roadside Equipment

Source Component	Data Flow Name	Definition	Destination Component
Basic Vehicle	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Toll Collection Roadside Equipment
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Parking Management Roadside Equipment
			Toll Collection Roadside **Equipment**
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Parking Management Roadside Equipment
			Toll Collection Roadside Equipment
Broadcast Information Provider(s)	Incident Acknowledg-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	User Interface Equipment
	Incident-Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	User Interface Equipment
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	User Interface Equipment

Source Component	Data Flow Name	Definition	Destination Component
Centralized Control Signal Center(s)	Incident Acknowledg-ment	consists of notification to the reporting source of the incident that incident data has been received **and/or** incident resources have been dispatched.	Centralized Roadside Equipment
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Centralized Control Signal Center(s)
			State Patrol Dispatch Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center
			Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Centralized Control Signal Center(s)	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			State Patrol Dispatch Center
	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Centralized Control Signal Center(s)
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
	-		Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Regional ITS Management System
			Inter-Jurisdictional Traffic System

Source Component	Data Flow Name	Definition	Destination Component
Centralized Control Signal Center(s)	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Freeway Traffic Management Center
			Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Regional ITS **Management Center**
			Other Transit Management Center(s)
			Demand Responsive Transit Center(s)
			State Patrol Dispatch Center
	-		Truck Center
			Parking Management Center(s)
			Road Weather Information Center
			Maintenance Dispatch Center
	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Information Provider(s)
			Tailored Traveler Information Provider(s)
			Broadcast Information Provider(s)
			Freeway Traffic Management Center
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			State Patrol Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Centralized Control Signal Center(s)	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Maintenance Dispatch Center
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Decentralized Control Signal Center(s)
	Signal Timing Plan	consists of the implemented traffic control strategy in the form of a timing algorithm (cycle split, offset, etc)	Centralized Roadside Equipment
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
	-		Regional ITS Management Center
	Signing Plan	consists of information messages and under what conditions which signs may be used to provide driver notification for unplanned traffic or road conditions.	Centralized Roadside Equipment
	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Information Provider(s)
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Centralized Control Signal Center(s)	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
			Truck Center
	Traffic Surveillance Control	consists of control information for operating traffic signal systems	Centralized Roadside Equipment
	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			Tailored Traveler Information Provider(s)
			Information Provider(s)
			Broadcast Information Provider(s)
			Inter-Jurisdictional Traffic System
			Freeway Traffic Management Center
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			State Patrol Dispatch Center
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Centralized Control Signal Center(s)	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Maintenance Dispatch Center
		--	Other Transit Management Center(s)
			Regional ITS Management Center
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all 'basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Travel Conditions 1	consists of current/forecast information about traffic conditions, planned event information incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Centralized Roadside Equipment
			User Interface Equipment
			Centralized Control Signal Center(s)
			Centralized Roadside Equipment
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Centralized Control Signal Center(s)
			Centralized Roadside Equipment
			Centralized Roadside Equipment
			User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel conditions along a mode segment.	Regional ITS Management System
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Regional ITS Management System
	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog, sunny, clear.	Centralized Control Signal Center(s)
	Weather Source Data Request	is a request for weather data.	External Information Source(s)
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Centralized Control Signal Center(s)	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Information Provider(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
	-		Tailored Traveler Information Provider(s)
Centralized Roadside Equipment	Equipment status	consists of the accumulated hours of usage and operator reported problems	Traffic Signal Center
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Traffic Signal Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Traffic Signal Center
	Road Surface Data	consists of road surface information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of the road surface (wet, snow packed,slippery,bumpy,pot holes), road surface temperature, timestamp & location)	Centralized Control Signal Center(s)
			Inter-Jurisdictional Traffic System
	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Centralized Control Signal Center(s)
	Traffic Data	consists of traffic related information that is created for describing the traffic conditions of a pre-determined location. (e.g. speed, vehicle quantity,density,time stamp, & location of where the data is generated).	Centralized Control Signal Center(s)
			Inter-Jurisdictional traffic System
			Inter-Jurisdictional Traffic System

Source Component	Data Flow Name	Definition	Destination Component
Centralized Roadside Equipment	Traffic Message	consists of instructions from traffic signals and signs recommending or directing vehicle drivers to modify their current operating state of the vehicle.	User Interface Equipment
	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Centralized Control Signal Center(s)
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Traffic System
			Centralized Control Signal Center(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Traffic Signal Center
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Traffic Signal Center
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Centralized Control Signal Center(s)
Decentralized Control Signal Center(s)	Incident Acknowledgment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Decentralized Roadside Equipment
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center

Source Component	Data Flow Name	Definition	Destination Component
Decentralized Control Signal Center(s)	Incident Acknowledgment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Decentralized Control Signal Center(s)
			State Patrol Dispatch Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			State Patrol Dispatch Center
	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Decentralized Control Signal Center(s)
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Decentralized Control Signal Center(s)	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Incident Dispatch Center(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted sanded (based on road surface surveillance data and weather forecasts).	Regional ITS Management System
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			State Patrol Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Demand Responsive Transit Center(s)
			Maintenance Dispatch Center
			Parking Management Center(s)
			Road Weather Information Center
			Truck Center

Source Component	Data Flow Name	Definition	Destination Component
Decentralized Control Signal Center(s)	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Broadcast Information Provider(s)
			Information Provider(s)
			Tailored Traveler Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			State Patrol Dispatch Center
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Maintenance Dispatch Center
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Centralized Control Signal Center(s)
	Signal Timing Plan	consists of the implemented traffic control strategy in the form of a timing algorithm (cycle split, offset, etc)	Decentralized Roadside Equipment
			Decentralized Roadside Equipment
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
	Signing Plan	consists of information messages and under what conditions which signs may be used to provide driver notification for unplanned traffic or road conditions.	Decentralized Roadside Equipment
			Decentralized Roadside Equipment
	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Broadcast Information Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Decentralized Control Signal Center(s)	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Information Provider(s)
			Inter-Jurisdictional Traffic System
	.		Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
			Truck Center
	Traffic Surveillance Control	consists of control information for operating traffic signal systems	Decentralized Roadside Equipment
			Decentralized Roadside Equipment
	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Decentralized Control Signal Center(s)	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defmed geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Other Transit Management Center(s)
			Information Provider(s)
			Broadcast Information Provider(s)
			Tailored Traveler Information Provider(s)
			Inter-Jurisdictional Traffic System
			Freeway Traffic Management Center
			Regional ITS Management System
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			State Patrol Dispatch Center
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Decentralized Roadside Equipment
			User Interface Equipment
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Decentralized Control Signal Center(s)	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions, (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Decentralized Roadside Equipment
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Decentralized Control Signal Center(s)
			Decentralized Roadside Equipment
			Decentralized Roadside Equipment
			User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel conditions along a mode segment.	Regional ITS Management System
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Regional ITS Management System
	Weather Conditions	consists of current and/or forecast weather conditions such is rain snow, fog, sunny, clear.	Decentralized Control Signal Center(s)
	Weather Source Data Request	is a request for weather data.	External Information Source(s)
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Information Provider(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Decentralized Roadside Equipment	Equipment status	consists of the accumulated hours of usage and operator reported problems	Traffic Signal Center
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Traffic Signal Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Traffic Signal Center
	Road Surface Data	consists of road surface information that is created for describing the road surface conditions of a pm-determined location. (e.g. condition of the road surface (wet, snow packed,slippery,bumpy,pot holes), road surface temperature, timestamp & location)	Decentralized Control Signal Center(s)
			Decentralized Roadside Equipment
			Decentralized Control Signal Center(s)
	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Decentralized Control Signal Center(s)
	Signal Timing Plan	consists of the implemented traffic control strategy in the form of a timing algorithm (cycle split, offset, etc)	Decentralized Roadside Equipment
	Signing Plan	consists of information messages and under what conditions which signs may be used to provide driver notification for unplanned traffic or road conditions.	Decentralized Roadside Equipment
	Traffic Data	consists of traffic related information that is created for describing the traffic conditions of a pre-determined location. (e.g. speed, vehicle quantity, density, time stamp, & location of where the data is generated).	Decentralized Control Signal Center(s)
			Decentralized Roadside Equipment
			Decentralized Control Signal Center(s)
	Traffic Message	consists of instructions from traffic signals and signs recommending or directing vehicle drivers to modify their current operating state of the vehicle.	User Interface Equipment
	Traffic Surveillance Control	consists of control information for operating traffic signal systems	Decentralized Roadside Equipment
	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Decentralized Roadside Equipment	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Decentralized Roadside Equipment
			Decentralized Control Signal Center(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Traffic Signal Center
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Traffic Signal Center
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Decentralized Control Signal Center(s)
Demand Responsive Transit Center(s)	Account - Validation Notice	consists of a confirmation that a user's bank account or credit card number is correct and valid.	Transit Vehicle
	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)
	Activation/ Deactivation Notice	consists of a notice of activation/deactivation of an entire ATIS service or service profile or a rideshare service provider profile.	Transit Service Provider(s)
			User Interface Equipment
	Authorized User List	consists of a list of authorized users for the specified service.	Transit Service Provider(s)
	Demand Responsive Request	is a request to deviate vehicle from previously scheduled route to pick-up an additional passenger.	Transit Service Provider(s)
			Transit Vehicle
	Detour Request	is a request to provide an alternate route between two transit stops.	Tailored Traveler Information Provider(s)
	Detour Route	consists of an alternate route between an origin and destination. Used to route a vehicle around incidents/congestion, or to route a rideshare vehicle to pick up an additional customer.	Transit Vehicle
			Transit Vehicle
	Equipment Assignments	consists of the assigment of equipment to vehicles, facilities, personnel, incidents, maintenance, training	Emergency Vehicle
			Transit Vehicle

Source Component	Data Flow Name	Definition	Destination Component
Demand Responsive Transit Center(s)	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	Emergency Vehicle
			External Information Source(s)
			Transit Vehicle
	Incident Acknowledg-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Mayday Service Provider(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Vehicle
			User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Demand Responsive Transit Center(s)
			Emergency Vehicle
			Transit Service Provider(s)
			Transit Vehicle

Source Component	Data Flow Name	Definition	Destination Component
Demand Responsive Transit Center(s)	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
	Mode Use Information	consists of information on how to use a specific transit mode (e.g. bus, train, etc.) such as rules for use, hours of operation, payment methods, etc.	Regional ITS Management System
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
			Transit Vehicle
	Personnel Assignments	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Centralized Control Signal Center(s)
			Centraliied Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Division of Emergency Management Center
			Emergency Vehicle

Source Component	Data Flow Name	Definition	Destination Component
Demand Responsive Transit Center(s)	Personnel Assignments	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			Training Center
			Transit Vehicle
	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Demand Responsive Transit Center(s)
			Transit Service Provider(s)
	Pricing Requirements	consists of requirements for pricing transportation services.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
	Profile Confirmation	consists of an acknowledgement that profile information has been received and processed.	Transit Service Provider(s)
			User Interface Equipment
	Provider Validation Request	consists of a request to determine if the profile information given by the provider participating in the Ride Matching and Reservations Service is correct and true (e.g., drivers license, driver criminal history, moving violations, proper certifications).	External Information Source(s)

Source Component	Data Flow Name	Definition	Destination Component
Demand Responsive Transit Center(s)	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Other Transit Management Center(s)
			Regional ITS Management Center
	Response Routes	consists of routes that allow assigned incident resources to reach an incident location in a minimal amount of time	Emergency Vehicle
			Transit Vehicle
	Rideshare Information	consists of identity of the traveler and details of the transit route(s) that fulfill the origin destination requirements (e.g. transit route number, transit stop schedule and cost).	User Interface Equipment
	Rideshare Payment	consists of payment to a rideshare provider for services rendered.	Transit Service Provider(s)
	Rideshare Provider Information	consists of data needed by rideshare transportation providers. This data includes daily trip manifests for each rideshare vehicle, service usage information, etc.	Transit Service Provider(s)
			User Interface Equipment
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Freeway Traffic Management Center
			Centralized Control Signal Center(s)
			Regional ITS Management System
			Decentralized Control Signal Center(s)
			Inter-Jurisdictional Traffic System
			State Patrol Dispatch Center
			Transit Service Provider(s)
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Road Weather Information Center
			Maintenance Dispatch Center
			Parking Management Center(s)
			Truck Center

Source Component	Data Flow Name	Definition	Destination Component
Demand Responsive Transit Center(s)	Schedule Adherence Information	consists of information describing fleet schedule adherence - indicating route segment running time, transit stop arrival time and transit stop departure time.	Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Transit Service Provider(s)
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)
	Service Pricing Structures	consists of information about the rates charged for various transportation services (including ATIS services).	Account Management Provider(s)
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Account Management Provider(s)
	Service Usage Data- 2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Account Management Provider(s)
	Signal Priority Request	is a request to pre-empt intersection traffic signals. This request enables transit vehicles to return to schedule adherence & is lower in priority than an emergency vehicle signal pre-emption request.	Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Demand Responsive Transit Center(s)
			Transit Service Provider(s)
	Transfer Delay Request	consists of an inter-agency request to delay departure of a connecting vehicle to assist transfer when the originating vehicle is late.	Regional ITS Management Center
			Transit Vehicle
	Transit Conditions	consists of information about transit vehicle schedule adherence, rideshare data, and transit provider information including but not limited to vehicle ID, transit stop, estimated vehicle arrival time, estimated vehicle departure time, current schedule.	Regional ITS Management System
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Demand Responsive Transit Center(s)	Transit Conditions	consists of information about transit vehicle schedule adherence, rideshare data, and transit provider information including but not limited to vehicle ID, transit stop, estimated vehicle arrival time, estimated vehicle departure time, current schedule.	Transit Service Provider(s)
	Travel Conditions Request	is a request for travel conditions information It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Demand Responsive Transit Center(s)
			Transit Service Provider(s)
			Transit Information Distribution Equipment
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Demand Responsive Transit Center(s)
			Transit Information Distribution Equipment
			Transit Service Provider(s)
	User Profile	consists of information specific to a user that uniquely identifies that user and their travel information preferences.	Transit Service Provider(s)
	Vehicle Assignments	consists of assignment of vehicles to facilities jurisdictions, personnel, incidents, maintenance, training or available.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Division of Emergency Management Center
			Emergency Vehicle
			Emergency Vehicle
			External Information Source(s)

Source Component	Data Flow Name	Definition	Destination Component
Demand Responsive Transit Center(s)	Vehicle Assignments	consists of assignment of vehicles to facilities jurisdictions, personnel, incidents, maintenance, training or available.	Freeway Traffic Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			Transit Maintenance Garage
	Vehicle Location	consists of information that indicates the location of each vehicle.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Demand Responsive Transit Center(s)	Vehicle Location	consists of information that indicates the location of each vehicle.	Incident Dispatch Center(s)
			Incident Dispatch Center(s)
		--	Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
			State Patrol Dispatch Center
	Vehicle Manifest	consists of scheduled arrival/departure times, and course of travel for a specified run.	Transit Vehicle
			User Interface Equipment
	Vehicle status	consists of maintenance conditions associated with the vehicle (including but not limited to fuel levels, brake status, mileage).	Transit Maintenance Garage
	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog, sunny clear.	Demand Responsive Transit Center(s)
			Transit Service Provider(s)
Division of Emergency Management Center	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	External Information Source(s)
	Incident Acknowledgment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Division of Emergency Management Center	Incident Acknowledg- ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Mayday Service Provider(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			User Interface Equipment
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
	Personnel Assignment s	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center

Source Component	Data Flow Name	Definition	Destination Component
Division of Emergency Management Center	Personnel Assignments	consists of driver-to-run driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center (s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Maintenance Dispatch center
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Division of Emergency Management Center	Vehicle Assignments	consists of assignment of vehicles to facilites, jurisdictions, personnel, incidents, maintenance, training or available.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
	Vehicle Location	consists of information that indicates the location of each vehicle.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
Emergency Vehicle	Equipment Location	consists of the location of the equipment	Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
	Equipment Status	consists of the accumulated hours of usage and operator reported problems	Demand Responsive Transit Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Emergency Vehicle	Equipment Status	consists of the accumulated hours of usage and operator reported problems	Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	Incident Dispatch Center(s)
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center

Source Component	Data Flow Name	Definition	Destination Component
Emergency Vehicle	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	State Patrol Dispatch Center
	Incident Response status	consists of ETAS of responding resources, current step of response procedure, and estimated time that the incident is cleared	Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
	Resource Location	consist of the location of vehicles, equipment and personnel	Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Emergency Vehicle	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Regional ITS Management Center
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Inter-Jurisdictional Incident Management System
			Other Transit Management Center(s)
			Demand Responsive Transit Center(s)
			Regional ITS Management Center
			Freeway Traffic Management Center
			State Patrol Dispatch center
			Incident Dispatch Center(s)
			Centralized Roadside Equipment
			Centralized Roadside Equipment
			Decentralized Roadside Equipment
			Decentralized Roadside Equipment
			Centralized Roadside Equipment
			Freeway Roadside Equipment
			Road Maintenance Roadside Equipment
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	State Patrol Dispatch Center
			Inter-Jurisdictional Incident Management system
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Emergency Vehicle	Vehicle Location	consists of information that indicates the location of each vehicle.	Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center{ s)
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
	Vehicle Status	consists of maintenance conditions associated with the vehicle (including but not limited to fuel levels, brake status, mileage).	Freeway Traffic Management Center
			Incident Dispatch Center(s)
	-		Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
External Information Source(s)	Airline Data	consists of contact information for an airline as well as information about flight schedules, arrival, departure times, and ticket prices.	Tailored Traveler Information Provider(s)
			User Interface Equipment
	Driver Criminal History	consists of transit personnel criminal history	Other Transit Management Center(s)
			Regional ITS Management Center
	Driver License Expiration Data	consists of transit personnel driver license expiration data	Other Transit Management Center(s)
			Regional ITS Management Center
	Driver Shift Constraints	consists of information about driver's schedule preference, seniority, and garage assignment.	Other Transit Management Center(s)
			Regional ITS Management Center
	DrugAlcoh-ol Test Results	consists of transit personnel drug / alcohol test results	Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
External Information Source(s)	Drug/Alcoh-ol Test Results	consists of transit personnel drug / alcohol test results	Regional ITS Management Center
	Emergency Medical Facilities Data	consists of information about facilities that provide emergency medical treatment.	Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Entertainme nt Data	consists of information about facilities that provide entertainment services (e.g. type of entertainment, location of facility, phone number, etc).	Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Flight Arrival/Dep-arture Times	consists of airline flight arrival / departure schedules	Other Transit Management Center(s)
			Regional ITS Management Center
	Fuel/Vehicle Services Data	consists of information about facilities for fuel and vehicle repair services.	Tailored Traveler Information Provider(s)
			User Interface Equipment
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Division of Emergency Management center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System

Source Component	Data Flow Name	Definition	Destination Component
External Information Source(s)	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	State Patrol Dispatch Center
	Link Reference Model	consists of a commonly defined set of point, linear, and area geographical locations, such as roadway links, which ITS systems use to share geographical information between themselves.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Information Provider(s)
			Information Provider(s)
			Inter-Jurisdictional Incident Management System
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Transit System
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			Mayday Service Provider(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
External Information Source(s)	Link Reference Model	consists of a commonly defined set of point, linear, and area geographical locations, such as roadway links, which ITS systems use to share geographical information between themselves.	Other Transit Management Center(s)
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			Regional ITS Management System
			Regional ITS Management Center
			Regional ITS Management System
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management System
			Road Weather Information Center
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			Transit Information Distribution Equipment
			Transit Service Provider(s)
			Transit Service Provider(s)
			Truck Center
			User Interface Equipment

Source Component	Data Flow Name	Definition	Destination Component
External Information Source(s)	Link Reference Model	consists of a commonly defined set of point, linear, and area geographical locations, such as roadway links, which ITS systems use to share geographical information between themselves.	User Interface Equipment
	Lodging/Ca-mping Data	consists of information about lodging and camping facilities.	Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Moving Violations	consists of transit personnel moving violations history	Other Transit Management Center(s)
			Regional ITS Management Center
	Personnel Availability Information	consists of transit personnel available for assignments	Other Transit Management Center(s)
			Regional ITS Management Center
	Planned Event Data	consists of information about special events (e.g. sporting events, parades).	Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Information Provider(s)
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
External Information Source(s)	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Regional ITS Management System
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
			Truck Center
	Provider Validation Notice	consists of a confirmation that a provider's profile information is correct and valid.	Demand Responsive Transit Center(s)
			Regional ITS Management Center
			Rideshare Center
			Transit Service Provider(s)
	Recreational Areas Data	consists of information about recreation facilities such as parks, trails, etc.	Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Rental Vehicle Data	consists of contact information for rental vehicle companies as well as information on rates and availability of vehicles.	Tailored Traveler Information Provider(s)
			User Interface Equipment
	Reservation/ Ticket Confirmation	consists of an acknowledgement that a reservation has been made or a ticket has been purchased.	Tailored Traveler Information Provider(s)
			User Interface Equipment
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
External Information Source(s)	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Restaurant Data	consists of information about restaurant facilities.	Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Information Provider(s)
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management System
			Regional ITS Management Center
			Road Weather Information Center

Source Component	Data Flow Name	Definition	Destination Component
External Information Source(s)	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	State Patrol Dispatch center
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
			Truck Center
	Shopping Data	consists of information about shopping facilities such as malls, outlets, etc.	Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Tourist Sight Data	consists of information about tourist sights such as museums, monuments, historical sights, etc.	Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Traffic Control Requirement	consists of specific traffic requirements that affect a traffic segment within a particular geographic area. (e.g. quitting time of a large business along a specific roadway.)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Maintenance Dispatch Center
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Tailored Traveler Information Provider(s)
	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog, sunny, clear.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
External Information Source(s)	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog, sunny, clear.	Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Information Provider(s)
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			Road Weather Information Center
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
			Truck Center
Financial Institution(s)	Account Validation Notice	consists of a confirmation that a user's bank account or credit card number is correct and valid.	Account Management Provider(s)
			Demand Responsive Transit Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Financial Institution(s)	Account Validation Notice	consists of a confirmation that a user's bank account or credit card number is correct and valid.	Mayday Service Provider(s)
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Tailored Traveler Information Provider(s)
			Toll Authority Center(s)
			Transit Service Provider(s)
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Account Management Provider(s)
			Demand Responsive Transit Center(s)
			Mayday Service Provider(s)
			Other Transit Management Center(s)
			Parking Management Center (s)
			Regional ITS Management Center
			Tailored Traveler Information Provider(s)
			Toll Authority Center(s)
			Transit Service Provider(s)
Freeway Roadside Equipment	Road Surface Data	consists of road surface information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of the road surface (wet, snow packed,slippery,bumpy,pot holes), road surface temperature, timestamp & location)	Freeway Traffic Management Center
	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Freeway Traffic Management Center
	Traffic Data	consists of traffic related information that is created for describing the traffic conditions of a pre-determined location. (e.g. speed, vehicle quantity,density,time stamp, & location of where the data is generated).	Freeway Traffic Management Center
	Traffic Message	consists of instructions from traffic signals and signs recommending or directing vehicle drivers to modify their current operating state of the vehicle.	User Interface Equipment

Source Component	Data Flow Name	Definition	Destination Component
Freeway Roadside Equipment	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Freeway Traffic Management Center
			Freeway Traffic Management Center
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Freeway Traffic Management Center
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Freeway Traffic Management Center
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Freeway Traffic Management Center
Freeway Traffic Management Center	Equipment Assignments	consists of the assigment of equipment to vehicles, facilities, personnel, incidents, maintenance, training	Emergency Vehicle
			Freeway Roadside Equipment
	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	Emergency Vehicle
			External Information Source(s)
			Freeway Roadside Equipment
	Incident Acknowledg-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Freeway Traffic Management Center	Incident Aclmowledgment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Mayday Service Provider(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Emergency Vehicle
			Freeway Roadside Equipment
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			State Patrol Dispatch Center
			State Patrol Dispatch Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center

Source Component	Data Flow Name	Definition	Destination Component
Freeway Traffic Management Center	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			State Patrol Dispatch Center
	Personnel Assignment s	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Centralized Control Signal Center(s)
			Decentraliied Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			Freeway Roadside Equipment
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Freeway Traffic Management Center	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Response Routes	consists of routes that allow assigned incident resources to reach an incident location in a minimal amount of time	Emergency Vehicle
			Freeway Roadside Equipment
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management System
			Regional ITS Management Center
			Road Weather Information Center
			State Patrol Dispatch Center
			Truck Center
	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Broadcast Information Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Freeway Traffic Management Center	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Tailored Traveler Information Provider(s)
			Information Provider(s)
			State Patrol Dispatch Center
			Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Demand Responsive Transit Center(s)
			Maintenance Dispatch Center
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
	Signal Timing Plan	consists of the implemented traffic control strategy in the form of a timing algorithm (cycle split, offset, etc)	Freeway Roadside Equipment
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
	Signing Plan	consists of information messages and under what conditions which signs may be used to provide driver notification for unplanned traffic or road conditions.	Freeway Roadside Equipment
	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Freeway Traffic Management Center	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area	Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Information Provider(s)
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
			Truck Center
	Traffic Surveillance Control	consists of control information for operating traffic signal systems	Freeway Roadside Equipment
	Traffic Surveillance Data	consists of processed and summrized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Other Transit Management Center(s)
			Regional ITS Management Center
			Tailored Traveler Information Provider(s)
			Information Provider(s)
			Broadcast Information Provider(s)
			Regional ITS Management System

Source Component	Data Flow Name	Defmition	Destination Component
Freeway Traffic Management Center	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	State Patrol Dispatch Center
			Inter-Jurisdictional Traffic System
			Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Regional ITS Management Center
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Maintenance Dispatch Center
		.	Other Transit Management Center(s)
			Regional ITS Management Center
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Travel Conditions-	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Maintenance Dispatch Center
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
			User Interface Equipment
			User Interface Equipment
			Freeway Roadside Equipment
	Travel Conditions-*2*	(continued) and weather that is customized to a user's specified trip and mode(s).	Freeway Roadside Equipment
			Inter-Jurisdictional Incident Management system

Source Component	Data Flow Name	Definition	Destination Component
Freeway Traffic Management Center	Travel Conditions-*2*	(continued) and weather that is customized to a user's specified trip and mode(s).	Maintenance Dispatch Center
			State Patrol Dispatch Center
			User Interface Equipment
			User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel conditions along a mode segment	Regional ITS Management System
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Regional ITS Management System
	Vehicle Assignment	consists of assignment of vehicles to facilites, jurisdictions, personnel, incidents, maintenance, training or available.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			Freeway Roadside Equipment
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
	Vehicle Location	consists of information that indicates the location of each vehicle.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Freeway Traffic Management Center	Vehicle Location	consists of information that indicates the location of each vehicle.	Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
	Weather Source Data Request	is a request for weather data.	External Information Source(s)
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Information Provider(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
Incident Dispatch Center(s)	Equipment Assignments	consists of the assigment of equipment to vehicles, facilities, personnel, incidents, maintenance, training	Emergency Vehicle
			Emergency Vehicle
	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	Emergency Vehicle
			External Information Source(s)
	Incident Acknowledg-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)

Source Component	Data Flow Name	Defiuition		Destination Component
Incident Dispatch Center(s)	Incident Acknowledgment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.		Centralized Control Signal Center(s)
				Decentralized Control Signal Center(s)
			--	Decentralized Control Signal Center(s)
				Demand Responsive Transit Center(s)
				Division of Emergency Management Center
				Emergency Vehicle
				External Information Source(s)
				Freeway Traffic Management Center
				Freeway Traffic Management Center
				Inter-Jurisdictional Incident Management System
				Inter-Jurisdictional Traffic System
				Maintenance Dispatch Center
				Maintenance Dispatch Center
				Mayday Service Provider(s)
				Other Transit Management Center(s)
				Regional ITS Management Center
				State Patrol Dispatch Center
				User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions		Centralized Control Signal Center(s)
				Decentralized Control Signal Center(s)
				Emergency Vehicle
				Freeway Traffic Management Center
				Inter-Jurisdictional Traffic System

Source Component	Data Flow Name	Definition	Destination Component
Incident Dispatch Center(s)	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Maintenance Dispatch Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center@)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS **Management Center**
			Regional ITS Management System
			State Patrol Dispatch Center
	Incident Response Status	consists of ETAS of responding resources, current step of response procedure, and estimated time that the incident is cleared	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
	Personnel Assignment	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle

Source Component	Data Flow Name	Definition	Destination Component
Incident Dispatch Center(s)	Personnel Assignment	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Emergency Vehicle
			Freeway Traffic Management Center
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Response Routes	consists of routes that allow assigned incident resources to reach an incident location in a minimal amount of time	Emergency Vehicle
			Emergency Vehicle
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Incident Dispatch Center(s)	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Inter-Jurisdictional traffic System
			Freeway Traffic Management Center
	Vehicle Assignment	consists of assignment of vehicles to facilities, jurisdictions, personnel, incidents, maintenance, training or available.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			Emergency Vehicle
			Freeway Traffic Management Center
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
	Vehicle Location	consists of information that indicates the location of each vehicle.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
Information Provider Roadside Equipment	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Tailored Traveler Information Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Information Provider Roadside Equipment	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Tailored Traveler Information Provider(s)
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Tailored Traveler Information Provider(s)
Information Provider(s)	Tailored Directions	consists of step-by-step instructions that guide a user from their specified origin to their specified destination, using multiple transportation modes (if necessary).	Transit Information Distribution Equipment
			User Interface Equipment
	Tailored Route	consists of a course of travel from the user's specified point of origin to their specified destination using multiple transportation modes (if desired).	Transit Information Distribution Equipment
			User Interface Equipment
	Tailored' Trip Itinerary	consists of all information about a user's specific trip and mode(s) including route (w/map), directions, schedule (and date) information, information about destination point(s) and points of interest, etc.	Transit Information Distribution Equipment
			User Interface Equipment
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	User Interface Equipment
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	User Interface Equipment
Inter-Jurisdictional Incident Management system	Equipment Assignment	consists of the assignment of equipment to vehicles, facilities, personnel, incidents, maintenance, training	Emergency Vehicle
			Emergency Vehicle
			Maintenance Vehicle
	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	Emergency Vehicle
			Emergency Vehicle
			External Information Source(s)

Source Component	Data Flow Name	Definition	Destination Component
Inter-Jurisdictional Incident Management System	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	Maintenance Vehicle
	Incident Acknowledg-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center (s)
			Maintenance Dispatch Center
			May&y Service Provider(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Emergency Vehicle
			Emergency Vehicle
			Maintenance Vehicle
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Inter Jurisdictional Incident Management System	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
	-		Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
	Personnel Assignment	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Emergency Vehicle
			Emergency Vehicle
			Maintenance Vehicle
			Other Transit Management Center(s)
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Inter-Jurisdictional Incident **Management** System	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Regional ITS Management Center
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Response Routes	consists of routes that allow assigned incident resources to reach an incident location in a minimal amount of time	Emergency Vehicle
			Emergency Vehicle
			Maintenance Vehicle
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
	Vehicle Assignments	consists of assignment of vehicles to facilities jurisdictions, personnel, incidents, maintenance, training or available.	Emergency Vehicle
			Emergency Vehicle
			Maintenance Vehicle
Inter-Jurisdiction Traffic System	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Incident Dispatch Center(s)
			State Patrol Dispatch Center
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Regional ITS Management System
			Freeway Traffic Management Center
			State Patrol Dispatch Center
			Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Demand Responsive Transit Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Inter-Jurisdictional Traffic System	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Centralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Truck Center
			Parking Management Center(s)
			Road Weather Information Center
			Maintenance Dispatch Center
	Signal Timing Plan	consists of the implemented traffic control strategy in the form of a timing algorithm (cycle split, offset, etc)	Centralized Roadside Equipment
			Freeway Traffic Management Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
	Signing Plan	consists of information messages and under what conditions which signs may be used to provide driver notification for unplanned traffic or road conditions.	Centralized Roadside Equipment
			Freeway Traffic Management Center
	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center

Source Component	Data Flow Name	Definition	Destination Component
Inter-Jurisdictional Traffic System	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Freeway Traffic Management Center
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			Truck Center
	Traffic Surveillance Control	consists of control information for operating traffic signal systems	Centralized Roadside Equipment
	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a predefined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Other Transit Management Center(s)
			Regional ITS Management Center
			Freeway Traffic Management Center
			Other Transit Management Center(s)
			Regional ITS Management Center
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Weather Source Data Request	is a request for weather data.	External Information Source(s)
Inter-Jurisdictional Transit System	Transfer Delay Request	consists of an inter-agency request to delay departure of a connecting vehicle to assist transfer when the originating vehicle is late.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Inter-Jurisdictional Transit System	Transfer Delay Request	consists of an inter-agency request to delay departure of a connecting vehicle to assist transfer when the originating vehicle is late.	Other Transit Management Center(s)
			Other Transit Management Center(s)
			Transit Service Provider(s)
			Transit Service Provider(s)
			Transit Vehicle
			Transit Vehicle
			Transit Vehicle
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
Maintenance Dispatch Center	Equipment Assignment	consists of the assigment of equipment to vehicles, facilities, personnel, incidents, maintenance, training	Maintenance Vehicle
	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	External Information Source(s)
			Maintenance Vehicle
	Incident Acknowledgment	consists of notification to the reporting source of the incident that incident data has been received andor incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Maintenance Vehicle
			Mayday Service Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Maintenance Dispatch Center	Incident Acknowledgment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	**Maintenance** Vehicle
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
		-	Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			State Patrol Dispatch Center
	Personnel Assignments	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Maintenance Vehicle
	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Maintenance Dispatch Center	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			Truck Center
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Incident Dispatch Center(s)
	Response Routes	consists of routes that allow assigned incident resources to reach an incident location in a minimal amount of time	Maintenance Vehicle
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management System
			Regional ITS Management Center
			Road Weather Information Center

Source Component	Data Flow Name	Definition	Destination Component
Maintenance Dispatch Center	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	State Patrol Dispatch Center
			Truck Center
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
	Signal Timing Plan	consists of the implemented traffic control strategy in the form of a timing algorithm (cycle split, offset, etc)	Road Maintenance Roadside Equipment
	Signing Plan	consists of information messages and under what conditions which signs may be used to provide driver notification for unplanned traffic or road conditions.	Road Maintenance Roadside Equipment
	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
	Traffic Surveillance Control	consists of control information for operating traffic signal systems	Road Maintenance Roadside Equipment
	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defmed geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Regional ITS Management Center
			Other Transit Management Center(s)
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Road Maintenance Roadside Equipment
			User Interface Equipment
			Road Maintenance Roadside Equipment

Source Component	Data Flow Name	Definition	Destination Component
Maintenance Dispatch Center	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Road Maintenance Roadside Equipment
			Road Maintenance Roadside Equipment
			User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel-conditions along a mode segment.	Regional ITS Management System
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Regional ITS Management System
	Vehicle Assignments	consists of assignment of vehicles to facilities jurisdictions, personnel, incidents, maintenance, training or available.	Maintenance Vehicle
	Weather Source Data Request	is a request for weather data.	External Information Source(s)
Maintenance Vehicle	Equipment status	consists of the accumulated hours of usage and operator reported problems	Maintenance Dispatch Center
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Maintenance Dispatch Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Maintenance Dispatch Center
	Incident Response status	consists of ETAS of responding resources, current step of response procedure, and estimated time that the incident is cleared	Maintenance Dispatch Center
	Resource Location	consist of the location of vehicles, equipment and personnel	Maintenance Dispatch Center
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Maintenance Dispatch Center
	Signal Priority Request	is a request to pre-empt intersection traffic signals. This request enables transit vehicles to return to schedule adherence & is lower in priority than an emergency vehicle signal pre-emption request.	Maintenance Dispatch Center
	Vehicle Location	consists of information that indicates the location of each vehicle.	Maintenance Dispatch Center
	Vehicle status	consists of maintenance conditions associated with the vehicle (including but not limited to fuel levels, brake status, mileage).	Maintenance Dispatch Center
Mayday Service Provider(s)	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)

Source Component	Data Flow Name	Definition	Destination Component
Mayday Service Provider(s)	Activation/ Deactivation Notice	consists of a notice of activation/deactivation of an entire ATIS service or service profile or a rideshare service provider profile.	User Interface Equipment
	Incident Acknowledg- ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	User Interface Equipment
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
	Mayday Acknowledg- ement	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	User Interface Equipment
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
	Profile Confirmation	consists of an acknowledgement that profile information has been received and processed.	User Interface Equipment
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)
	Service Pricing Structures	consists of information about the rates charged for various transportation services (including ATIS se&ices).	Account Management Provider(s)
	Service Usage Data-l	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Account Management Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Mayday Service Provider(s)	Service Usage Data 2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Account Management Provider(s)
Other Public Agencies	Pricing Requirements	consists of requirements for pricing transportation services.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Toll Authority Center(s)
			Transit Service Provider(s)
Other Transit Management Center(s)	Account Validatioii Notice	consists of a confiition that a user's bank account or credit card number is correct and valid.	Transit Route Equipment
			Transit Vehicle
	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)
	Detour Request	is a request to provide an alternate route between two transit stops.	Tailored Traveler Information Provider(s)
	Detour Route	consists of an alternate route between an origin and destination. Used to route a vehicle around incidents/congestion, or to route a rideshare vehicle to pick up an additional customer.	Transit Vehicle
			Transit Vehicle
	Equipment Assignment	consists of the assignment of equipment to vehicles, facilities, personnel, incidents, maintenance, training	Emergency Vehicle
			Transit Vehicle
	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	Emergency Vehicle
			External Information Source(s)
			Transit Vehicle
	Incident Acknowledg-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Other Transit Management Center(s)	Incident Acknowledgment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Mayday Service Provider(s)
			State Patrol Dispatch Center
			Transit Vehicle
			User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Emergency Vehicle
			Other Transit Management Center(s)
			Transit Vehicle
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center

Source Component	Data Flow Name	Defmition	Destination Component
Other Transit Management Center(s)	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Regional ITS Management System
			State Patrol Dispatch Center
	Mode Use Information	consists of information on how to use a specific transit mode (e.g. bus, train etc.) such as rules for use, hours-of operations payment methods, etc.	Inter-Jurisdictional Transit System
			Regional ITS Management System
			Regional ITS Management System
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
			Transit Route Equipment
			Transit Vehicle
	Personnel Assignments	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Division of Emergency Management Center
			Emergency Vehicle
			Emergency Vehicle
			External Information Source(s)
			External Information Source(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Other Transit Management Center(s)	Personnel Assignments	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Incident Management system
			Regional ITS Management Center
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			Training Center
			Training Center
			Transit Vehicle
	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Other Transit Management Center(s)
	Pricing Requirements	consists of requirements for pricing transportation services.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
	Profile confirmation	consists of an acknowledgement that profile information has been received and processed.	User Interface Equipment
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Maintenance Dispatch Center

Source Component	Data Flow Name	Definition	Destination Component
Other Transit Management Center(s)	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Regional ITS Management Center
			State Patrol Dispatch Center
	Response Routes	consists of routes that allow assigned incident resources to reach an incident location in a minimal amount of tune	Emergency Vehicle
			Transit Vehicle
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
	-		Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management System
			Regional ITS Management Center
			Road Weather Information Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
			Truck Center
	Schedule Adherence Information	consists of information describing fleet schedule adherence - indicating route segment running time, transit stop arrival time and transit stop departure time.	Demand Responsive Transit Center(s)
			Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Other Transit Management Center (s)	Schedule Adherence Information	consists of information describing fleet schedule adherence indicating route segment running time, transit stop arrival time and transit stop departure time.	Regional ITS Management Center
			Transit Service Provider(s)
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Account Management Provider(s)
	Service Pricing Structures	consists of information about the rates charged for various transportation services (including ATIS services).	Account Management Provider(s)
	Service Usage Data 1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Account Management Provider(s)
	Service Usage Data-2 -	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Account Management Provider(s)
	Signal Priority Request	is a request to pre-empt intersection traffic signals. This request enables transit vehicles to return to schedule adherence & is lower in priority than an emergency vehicle signal pre-emption request.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
	Tailored Directions	consists of step-by-step instructions that guide a user from their specified origin to their specified destination, using multiple transportation modes (if necessary).	Transit Information Distribution Equipment
			User Interface Equipment
	Tailored Route	consists of a course of travel from the user's specified point of origin to their specified destination using multiple transportation modes (if desired).	Transit Information Distribution Equipment
			User Interface Equipment
	Tailored Trip Itinerary	consists of all information about a user's specific trip and mode(s) including route (w/map), directions, schedule (and date) information, information about destination point(s) and points of interest, etc.	User Interface Equipment
			Transit Information Distribution Equipment
	Traffic Conditions	consists of information about flow of traffic for a pre-determined repotting area	Other Transit Management Center(s)
	Traffic Control Requirements	consists of specific traffic requirements that affect a traffic segment within a particular geographic area. (e.g. quitting time of a large business along a specific roadway.)	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Other Transit Management Center(s)	Traffic Control Requirements	consists of specific traffic requirements that affect a traffic segment within a particular geographic area. (e.g. quitting time of a large business along a specific roadway.)	Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
	Transfer Delay Request	consists of an inter-agency request to delay departure of a connecting vehicle to assist transfer when the originating vehicle is late.	Regional ITS Management Center
			Transit Vehicle
			Transit Vehicle
	Transit Conditions	consists of information about transit vehicle schedule adherence, rideshare data, and transit provider information including but not limited to vehicle ID, transit stop, estimated vehicle arrivaI time, estimated vehicle departure time, current schedule.	Regional ITS Management System
			Regional ITS Management Center
			Other Transit Management Center(s)
			Demand Responsive Transit Center(s)
			Transit Service Provider(s)
			Tailored Traveler Infomation Provider(s)
	Transit Fares	consists of the specific prices charged for transit services	Inter-Jurisdictional Transit System
			Regional ITS Management Center
			Regional ITS Management System
			Transit Information Distribution Equipment
	Transit Route	consists of Fixed Routes and Flexible Routes information.	Demand Responsive Transit Center(s)
			Inter-Jurisdictional Transit System
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Other Transit Management Center(s)	Transit Route	consists of Fixed Routes and Flexible Routes information.	Regional ITS Management System
			Rideshare Center
			Transit Service Provider(s)
	Transit Route Schedule	consists of arrival/departure times for each transit stop-location along each transit route as well as transfer information.	Demand Responsive Transit Center(s)
			Inter-Jurisdictional Transit System
			Regional ITS Management Center
			Regional ITS Management System
			Rideshare Center
			Transit Service Provider(s)
	Travel Conditions Request	is a request for travel conditons information It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	User Interface Equipment
			Other Transit Management Center(s)
			Transit Information Distribution Equipment
	Travel Conditions-*2*	(continued) and weather that is customized to a user's specified trip and mode(s).	Other Transit Management Center(s)
			Transit Informatino Distribution Equipment
			User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel conditions along a mode segment.	Regional ITS Management System
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Regional ITS Management System

Source Component	Data Flow Name	Definition	Destination Component
Other Transit Management Center(s)	Vehicle Assignment	consists of assignment of vehicles to facilites, jurisdictions, personnel, incidents, maintenance, training or available.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Division of Emergency Management Center
			Emergency Vehicle
	￼		Emergency Vehicle
			External Information Source(s)
			External Information Source(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center@)
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Incident Management System
			Regional ITS Management Center
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			Transit Maintenance Garage

Source Component	Data Flow Name	Definition	Destination Component
Other Transit Management Center(s)	Vehicle Assignments	consists of assignment of vehicles to facilities jurisdictions, personnel, incidents, maintenance, training or available.	Transit Maintenance Garage
			Transit Vehicle
	Vehicle Location	consists of information that indicates the location of each vehicle.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Regional ITS Management Center
			State Patrol Dispatch Center
			Transit Maintenance Garage
	Vehicle Parameters	consists of raw (i.e. unsensed environmental conditions associated with the vehicle (e.g. engine temp, door open/closed, vehicle position, velocity, acceleration, etc.).	Transit Maintenance Garage
	Vehicle Pre-trip Inspection Report	consists of transit vehicle pre-trip inspection results	Transit Maintenance Garage
	Vehicle status	consists of maintenance conditions associated with the vehicle (including but not limited to fuel levels, brake status, mileage).	Transit Maintenance Garage
			Transit Maintenance Garage
	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog, sunny, clear.	Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Parking Management Center(s)	Account Validation Notice	consists of a confirmation that a user's bauk account or credit card number is correct and valid.	Parking Management Roadside Equipment
	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)
	Parking Conditions	consists of information about parking availability and -- parking lot status (e.g open, closed)	Regional ITS Management System
	Parking Data	consists of information about parking lot location, parking rates, hours of operation and any special services that may be offered.	Regional ITS Management System
	Parking Fees	consists of the specific prices charged for parking services.	Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			Transit Information Distribution Equipment
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
			Parking Management Roadside Equipment
	Pricing Requirements	consists of requirements for pricing transportation services.	Parking Management Center(s)
	Profile Confirmation	consists of an acknowledgement that profile information has been received and processed.	User Interface Equipment
	Reservation/ Ticket Confirmation	consists of an acknowledgement that a reservation has been made or a ticket has been purchased.	Tailored Traveler Information Provider(s)
			User Interface Equipment
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Account Management Provider(s)
	Service Pricing Structures	consists of information about the rates charged for various transportation services (including ATIS services).	Account Management Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Parking Management Center(s)	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Account Management Provider(s)
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop. _	Account Management Provider(s)
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g. route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Parking Management Roadside Equipment
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Parking Management Roadside Equipment
Parking Management Roadside Equipment	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number	Parking Management Center (s)
	Parking Surveillance Data	consists of current counts on number of vehicles entering and exiting a parking lot as received from devices (e.g. parking lot gate)	Parking Management Center(s)
	Payment Confirmation	consists of au acknowledgement that payment was received	Basic Vehicle
			Payment Instrument
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Parking Management Center(s)
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Parking Management Center(s)
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Parking Management Center(s)
Payment Instrument	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Parking Management Roadside Equipment
			Toll Collection Roadside Equipment
			Transit Route Equipment
			Transit Vehicle
			Transit Vehicle

Source Component	Data Flow Name	Definition	Destination Component
Payment Instrument	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Transit Vehicle
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Parking Management Roadside Equipment
			Transit Vehicle
			Transit Vehicle
			Transit Vehicle
			Transit Route Equipment
			Toll Collection Roadside Equipment
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Parking Management Roadside Equipment
			Toll Collection Roadside Equipment
			Transit Route Equipment
			Transit Vehicle
			Transit Vehicle
			Transit Vehicle
Probe Vehicle	Traffic Data	consists of traffic related information that is created for describing the traffic conditions of a pre-determined location. (e.g. speed, vehicle quantity,density,time stamp, & location of where the data is generated).	Centralized Roadside Equipment
			Decentralized Roadside Equipment
			Decentralized Roadside Equipment
			Freeway Roadside Equipment
			Road Maintenance Roadside Equipment
Regional ITS Management Center	Account Validation Notice	consists of a confirmation that a user's bank account or credit card number is correct and valid.	Transit Route Equipment
			Transit Vehicle
	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)
	Activation' Deactivation Notice	consists of a notice of activation/deactivation of an entire ATIS service or service profile or a rideshare service provider profile.	Transit Service Provider(s)

Source Component	Data Flow Name	Defiuition	Destination Component
Regional ITS Management Center	Activation/ Deactivation Notice	consists of a notice of activation/deactivation of au entire ATIS service or service profile or a rideshare service provider profile.	User Interface Equipment
	Demand Responsive Request	is a request to deviate vehicle from previously scheduled route to pick-up an additional passenger.	Transit Service Provider(s)
			Transit Vehicle
	Detour Request	is a request to provide an alternate route between two transit stops.	Tailored Traveler Information Provider(s)
	Detour Route	consists of an alternate route between an origin and destination. Used to route a vehicle around incidents/congestion, or to route a rideshare vehicle to pick up an additional customer.	Transit Vehicle
			Transit Vehicle
			Transit Vehicle
	Equipment Assignment s	consists of the assignment of equipment to vehicles, facilities, personnel, incidents, maintenance, training	Emergency Vehicle
			Transit Vehicle
	Estimated Time of **Arrival**	consists of the projected time that resources will arrive at the incident location.	Emergency Vehicle
			External Information Source(s)
			Transit Vehicle
	Incident Acknolwledg- ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Incident Acknowledg-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Maintenance Dispatch Center
			Mayday Service Provider(s)
			State Patrol Dispatch Center
			Transit Vehicle
			User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Emergency Vehicle
			Transit Vehicle
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center
			Regional ITS Management System
			State Patrol Dispatch Center
	Mode Use Information	consists of information on how to use a specific transit mode (e.g. bus, train, etc.) such as rules for use, hours of operation, payment methods, etc.	Inter-Jurisdictional Transit System
			Regional ITS Management System
			Regional ITS Management System
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
			Transit Route Equipment
			Transit Vehicle

Source Component	Data fLOW Name	Definition	Destination Component
Regional ITS Management Center	Personnel Assignment	consists of driver-to-run driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Division of Emergency Management Center
			Division of Emergency Management Center
			Emergency Vehicle
			Emergency Vehicle
			Emergency Vehicle
			External Information Source(s)
			External Information Source(s)
			External Information Source(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Freeway Traffic . Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Personnel Assignment	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Incident Management system
			Other Transit Management Center(s)
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			Training Center
			Training Center
			Transit Vehicle
	Pricing Requirements	consists of requirements for pricing transportation services.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Transit Service Provider(s)
	Profile Confirmation	consists of an acknowledgement that profile information has been received and processed.	Transit Service Provider(s)
			User Interface Equipment
	Provider Validation Request	consists of a request to determine if the profile information given by the provider participating in the Ride Matching and Reservations Service is correct and true (e.g., drivers license, driver criminal history, moving violations, proper certifications).	External Information Source(s)
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Maintenance Dispatch Center

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Other Transit Management Center(s)
			State Patrol Dispatch Center
	Response Routes	consists of routes that allow assigned incident resources to reach an incident location in a minimal amount of time	Emergency Vehicle
			Transit Vehicle
	Rideshare Information	consists of identity of the traveler and details of the transit route(s) that fulfill the origin destination requirements (e.g. transit route number, transit stop schedule and cost).	User Interface Equipment
	Rideshare Payment	consists of payment to a rideshare provider for services rendered.	Transit Service Provider(s)
	Rideshare Provider Information	consists of data needed by rideshare transportation providers. This data includes daily trip manifests for each rideshare vehicle, service usage information etc.	Transit Service Provider(s)
			User Interface Equipment
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather-forecasts).	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management System
			Road Weather Information Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
			Truck Center

Source Component	Data Flow Name	Defiuition	Destination Component
Regional ITS Management Center	Schedule Adherence Information	consists of information describing fleet schedule adherence indicating route segment running time, transit stop arrival time and transit stop departure time.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
			Transit Service Provider(s)
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Account Management Provider{ s)
	Service Pricing structures	consists of information about the rates charged for various transportation services (including ATIS services).	Account Management Provider(s)
	Service Usage Data 1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Account Management Provider(s)
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Account Management Provider(s)
	Signal Priority Request	is a request to pre-empt intersection traffic signals. This request enables transit vehicles to return to schedule adherence & is lower in priority than an emergency vehicle signal pre-emption request.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
	Tailored Directions	consists of step-by-step instructions that guide a user from their specified origin to their specified destination, using multiple transportation modes (if necessary).	Transit Information Distribution Equipment
			User Interface Equipment

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Tailored Route	consists of a course of travel from the user's specified point of origin to their specified destination using multiple transportation modes (if desired).	Transit Information Distribution Equipment
			User Interface Equipment
	Tailored Trip Itinerary	consists of all information about a user's specific trip and mode(s) including route (w/map), directions, schedule (and date) information, information about destination point@) and points of interest, etc.	Transit Information Distribution Equipment
			User Interface Equipment
	Traffic Control Requirement	consists of specific traffic requirements that affect a traffic segment within a particular geographic area. (e.g. quitting time of a large business along a specific roadway.)	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
	Transfer Delay Request	consists of an inter-agency request to delay departure of a connecting vehicle to assist transfer when the originating vehicle is late.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
			Transit Service Provider(s)
			Transit Service Provider(s)
			Transit Vehicle

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Transfer Delay Request	consists of an inter-agency request to delay departure of a connecting vehicle to assist transfer when the originating vehicle is late.	Transit Vehicle
			Transit Vehicle
			Transit Vehicle
			Transit Vehicle
			Transit Vehicle
	Transit Conditions	consists of information about transit vehicle schedule adherence, rideshare data, and transit provider information including but not limited to vehicle ID, transit stop, estimated vehicle arrival time, estimated vehicle departure time, current schedule.	Regional ITS Management System
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Transit Service Provider(s)
			Tailored Traveler Information Provider(s)
	Transit Fares	consists of the specific prices charged for transit services	Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management System
			Transit Information Distribution Equipment
	Transit Route	consists of Fixed Routes and Flexible Routes information.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			Rideshare Center
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
			Transit Service Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Transit Route Schedule	consists of arrival/departure times for each transit stop location along each transit route as well as transfer information.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			Rideshare Center
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
			Transit Service Provider(s)
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the **user's** specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	User Interface Equipment
			Transit Information Distribution Equipment
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Transit Information Distribution Equipment
			User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel conditions along a mode segment.	Regional ITS Management System
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Regional ITS Management System

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Vehicle Assignment	consists of assignment of vehicles to facilities jurisdictions, personnel, incidents, maintenance, training or available.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Division of Emergency Management Center
			Division of Emergency Management Center
			Emergency Vehicle
			Emergency Vehicle
			Emergency Vehicle
			External Information Source(s)
			External Information Source(s)
			External Information Source(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Vehicle Assignment	consists of assignment of vehicles to facilities jurisdictions, personnel, incidents, maintenance, training or available.	Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Incident Management System
			Inter-Jurisdictional Incident Management System
			Other Transit Management Center(s)
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			Transit Maintenance Garage
			Transit Maintenance Garage
			Transit Vehicle
	Vehicle Location	consists of information that indicates the location of each vehicle.	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			External Information Source(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management Center	Vehicle Location	consists of information that indicates the location of each vehicle.	Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Incident Management system
			Other Transit Management Center(s)
			State Patrol Dispatch Center
			State Patrol Dispatch Center
			Transit Maintenance Garage
	Vehicle Manifest	consists of scheduled arrival/departure times, and course of travel for a specified run.	Transit Vehicle
			User Interface Equipment
	Vehicle Parameters	consists of raw (i.e. unsensed environmental conditions associated with the vehicle (e.g. engine temp, door open/closed, vehicle position, velocity, acceleration, etc.).	Transit Maintenance Garage
	Vehicle Pre-trip Inspection Report	consists of transit vehicle pre-trip inspection results	Transit Maintenance Garage
	Vehicle status	consists of maintenance conditions associated with the vehicle (including but not limited to fuel levels, brake status, mileage).	Transit Maintenance Garage
			Transit Maintenance Garage
Regional ITS Management system	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	External Information Source(s)
	Incident Acknowledge-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management System	Incident Acknowledge-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center
			May&y Service Provider(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Broadcast Information Provider(s)
			Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Maintenance Dispatch Center

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management System	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Other Transit Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
	Incident History	Historical data describing an incident or series of incidents. Data is obtained from incident report, incident files, and the incident log.	Regional ITS Management System
	Mode Use Information	consists of information on how to use a specific transit mode (e.g. bus, train, etc.) such as rules for use, hours of operation, payment methods, etc.	Demand Responsive Transit Center(s)
			Information Provider(s)
			Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management Center
			Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			Transit Information Distribution Equipment
			User Interface Equipment
			User Interface Equipment
	Parking Conditions	consists of information about parking availability and parking lot status (e.g open, closed)	Broadcast Information Provider(s)
			Information Provider(s)
			Tailored Traveler Information Provider(s)
	Parking Data	consists of information about parking lot location, parking rates, hours of operation and any special services that may be offered.	Tailored Traveler Information Provider(s)
			User Interface Equipment
	Parking Fees	consists of the specific prices charged for parking services.	Information Provider(s)
			Tailored Traveler Information Provider(s)
			User Interface Equipment

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management System	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Broadcast Information Provider(s)
			Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Incident Dispatch Center(s)
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Broadcast Information Provider(s)
			Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
	Tolls	consist of the specific prices charged for use of a roadway	Tailored Traveler Information Provider(s)
	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Broadcast Information Provider(s)
			Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
	Transit Conditions	consists of information about transit vehicle schedule adherence, rideshare data, and transit provider information including but not limited to vehicle ID, transit stop, estimated vehicle arrival time, estimated vehicle departure time, current schedule.	Broadcast Information Provider(s)
			Information Provider(s)
			Tailored Traveler Information Provider(s)
	Transit Fares	consists of the specific prices charged for transit services	Information Provider(s)
			Tailored Traveler Information Provider(s)
			User Interface Equipment

Source Component	Data Flow Name	Definition	Destination Component
Regional ITS Management system	Transit Route	consists of Fixed Routes and Flexible Routes information.	Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Transit Route Schedule	consists of arrival/departure times for each transit stop location along each transit route as well as transfer information.	Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Information Distribution Equipment
			User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel conditions along a mode segment.	Tailored Traveler Information Provider(s)
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Tailored Traveler Information Provider(s)
	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog sunny, clear.	Broadcast Information Provider(s)
			Information Provider(s)
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
Rideshare Center	Activation/ Deactivation Notice	consists of a notice of activation/deactivation of an entire ATIS service or service profile or a rideshare service provider profile.	User Interface Equipment
	Profile Confirmation	consists of an acknowledgement that profile information has been received and processed.	User Interface Equipment
	Provider Validation Request	consists of a request to determine if the profile information given by the provider participating in the Ride Matching and Reservations Service is correct and true (e.g., drivers license, driver criminal history, moving violations, proper certifications).	External Information Source(s)
	Rideshare Information	consists of identity of the traveler and details of the transit route(s) that fulfill the origin destination requirements (e.g. transit route number, transit stop schedule and cost).	User Interface Equipment
	Rideshare Provider Information	consists of data needed by rideshare transportation providers. This data includes daily trip manifests for each rideshare vehicle, service usage information, etc.	User Interface Equipment

Source Component	Data Flow Name	Definition	Destination Component
Rideshare Center	Vehicle Manifest	consists of scheduled arrival/departure times, and course of travel for a specified run.	User Interface Equipment
Road Maintenance Roadside Equipment	Equipment status	consists of the accumulated hours of *usage* and operator reported problems	Maintenance Dispatch Center
	Resource Location	consist of the location of vehicles, equipment and personnel	Maintenance Dispatch Center
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Maintenance Dispatch Center
	Road Surface Data	consists of road surface information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of the road surface (wet, snow packed, slippery, bumpy, pot holes), road surface temperature, timestamp & location)	Maintenance Dispatch Center
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Maintenance Dispatch Center
	Traffic Data	consists of traffic related information that is created for describing the traffic conditions of a predetermined location. (e.g. speed, vehicle quantity,density,time stamp, & location of where the data is generated).	Maintenance Dispatch Center
	Traffic Message	consists of instructions from traffic signals and signs recommending or directing vehicle drivers to modify their current operating state of the vehicle.	User Interface Equipment
	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Maintenance Dispatch Center
	Vehicle Location	consists of information that indicates the location of each vehicle.	Maintenance Dispatch Center
	Vehicle status	consists of maintenance conditions associated with the vehicle (including but not limited to fuel levels, brake status, mileage).	Maintenance Dispatch Center
Road Weather Information Center	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center

Source Component	Data Flow Name	Definition	Destination Component
Road Weather Information Center	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Other Transit Management Center (s)
			Parking Management Center(s)
			Regional ITS Management System
			Regional ITS Management Center
			State Patrol Dispatch Center
			Truck Center
	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Regional ITS Management System
			Freeway Traffic Management Center
			Centraalized Control Signal Center(s)
			Inter-Jurisdictional Traffic System
			Decentralized Control Signal Center(s)
			Maintenance Dispatch Center
			Truck Center
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g. route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog, sunny, clear.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center

Source Component	Data Flow Name	Definition	Destination Component
Road Weather Information Center	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog, sunny, clear.	Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
			Truck Center
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Regional ITS Management System
			Truck Center
Road Weather Roadside Equipment	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Road Weather Information Center
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Road Weather Information Center
State Patrol Dispatch Center	Equipment Assignments	consists of the assigment of equipment to vehicles, facilities, personnel, incidents, maintenance, training	Emergency Vehicle
	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	Emergency Vehicle

Source Component	Data Flow Name	Definition	Destination Component
State Patrol Dispatch Center	Estimated Time of Arrival	consists of the projected time that resources will arrive at the incident location.	External Information source(s)
	Incident Acknowledge-ment	consists of notification to the reporting source of the incident that incident data has been received and/or incident resources have been dispatched.	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			May&y Service Provider(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			User Interface Equipment
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Centralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
State Patrol Dispatch Center	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Emergency Vehicle
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
			Truck Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
State Patrol Dispatch Center	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management System
	Incident Response Status	consists of ETAS of responding resources, current step of response procedure, and estimated time that the incident is cleared	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
	Personnel Assignment s	consists of driver-to-run, driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center

Source Component	Data Flow Name	Definition	Destination Component
"state Patrol Dispatch Center	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			Transit Service Provider(s)
	Response Routes	consists of routes that allow assigned incident resources to reach an incident location in a minimal amount of time	Emergency Vehicle
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management System
			Regional ITS Management Center
			Road Weather Information Center

Source Component	Data Flow Name	Definition	Destination Component
State Patrol Dispatch Center	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Truck Center
	Signal Pre-emption Request	is a request from emergency vehicle(s) for immediate pre-emption of intersection traffic signals. An emergency pre-emption request interrupts traffic signal timing plans to accommodate safe passage of the emergency vehicles.	Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Inter-Jurisdictional Traffic System
			Freeway Traffic Management Center
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g. route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	User Interface Equipment
	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel conditions along a mode segment.	Regional ITS Management System
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Regional ITS Management System
	Vehicle Assignments	consists of assignment of vehicles to facilities, jurisdictions, personnel, incidents, maintenance, training or available.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			Freeway Traffic Management Center
			Incident Dispatch Center(s)

Source Component	Data Flow Name	Definition	Destination Component
State Patrol Dispatch Center	Vehicle Assignment s	consists of assignment of vehicles to facilities jurisdictions, personnel, incidents, maintenance, training or available.	Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
	Vehicle Location	consists of information that indicates the location of each vehicle.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
Tailored Traveler Information Provider(s)	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)
	Activation/ Deactivation Notice	consists of a notice of activation/deactivation of an entire ATIS service or service profile or a rideshare service provider profile.	User Interface Equipment
	Detour Route	consists of an alternate route between an origin and destination. Used to route a vehicle around incidents/congestion, or to route a rideshare vehicle to pick up an additional customer.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
	Profile Confirmation	consists of an acknowledgement that profile information has been received and processed.	User Interface Equipment
	Reservation/ Ticket Request	consists of a request to a provider for a ticket or a reservation.	External Information Source(s)

Source Component	Data Flow Name	Definition	Destination Component
Tailored Traveler Information Provider(s)	Reservation/ Ticket Request	consists of a request to a provider for a ticket or a reservation.	Parking Management Center(s)
	Road Surface Surveillance Data	consists of processed and summarized information that is created for describing the road surface conditions of a pre-determined location. (e.g. condition of road surface, road surface temperature, timestamp, & location)	Decentralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Maintenance Dispatch Center
			Freeway Traffic Management Center
			Broadcast Information Provider(s)
			Information Provider(s)
			Freeway Traffic Management Center
			Decentralized Control Signal Center(s)
			State Patrol Dispatch Center
			Centralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Maintenance Dispatch Center
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)
	Service Pricing Structures	consists of information about the rates charged for various transportation services (including ATIS services).	Account Management Provider(s)
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Account Management Provider(s)
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Account Management Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Tailored Traveler Information Provider(s)	Tailored Directions	consists of step-by-step instructions that guide a user from their specified origin to their specified destination, using multiple transportation modes (if necessary).	Transit Information Distribution Equipment
			User Interface Equipment
	Tailored Route	consists of a course of travel from the user's specified point of origin to their specified destination using multiple transportation modes (if desired).	Transit Information Distribution Equipment
			User Interface Equipment
	Tailored Traveler Information	consists of yellow pages (food, lodging, fuel, tourist sight) and other traveler info. (medical facilities, airline, rental vehicle) that is customized to a user's specified trip and mode(s).	User Interface Equipment
	Tailored Trip Itinerary	consists of all information about a user's specific trip and mode(s) including route (w/map), directions, schedule (and date) information, information about destination point(s) and points of interest, etc.	User Interface Equipment
			Transit Information Distribution Equipment
			User Interface Equipment
	Traffic Surveillance Data	consists of processed and summarized information about vehicles or incidents that may effect the travel of drivers within a pre-defined geographic location. (e.g. speed, vehicle quantity, road density, time stamp, and location of where data is generated.	Broadcast Information Provider(s)
			Information Provider(s)
			Freeway Traffic Management Center
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			State Patrol Dispatch Center
			Demand Responsive Transit Center(s)
			Maintenance Dispatch center
			Other Transit Management Center(s)
			Regional ITS Management Center
	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Transit Service Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Tailored Traveler Information Provider(s)	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Regional ITS Management Center
			Demand Responsive Transit Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			User Interface Equipment
			Freeway Traffic Management Center
			Regional ITS Management System
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Inter-Jurisdictional Traffic System
			State Patrol Dispatch Center
			Regional ITS Management Center
			Transit Service Provider(s)
			Parking Management Center(s)
			Road Weather Information Center
			Demand Responsive Transit Center(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Truck Center

Source Component	Data Flow Name	Definition	Destination Component
Tailored Traveler Information Provider(s)	Travel Conditions-1	consists of current/forecast information about traffic conditions, planned event information incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Information Provider(s)
			Demand Responsive Transit Center(s)
			Transit Service Provider(s)
			User Interface Equipment
			Transit Information Distribution Equipment
	Travel Conditions-*2*	(continued) and weather that is customized to a user's specified trip and mode(s).	Centralized Control Signal Center(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Freeway Traffic Management Center
			Information Provider(s)
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Traffic System
			Inter-Jurisdictional Transit System

Source Component	Data Plow Name	Definition	Destination Component
Tailored Traveler Information Provider(s)	Travel Conditions-2	(continued) and weather that is customized to a user's specified trip and mode(s).	Maintenance Dispatch Center
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management System
			Road Weather Information Center
			State Patrol Dispatch Center
			Transit Information Distribution Equipment
			Transit Service Provider(s)
			Transit Service Provider(s)
			Transit Service Provider(s)
			Truck Center
			User Interface Equipment
			User Interface Equipment
	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Tailored Traveler Information Provider(s)	Weather Surveillance Data	consists of current weather data as received from devices (e.g. radar, video).	Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Information Provider(s)
			Maintenance Dispatch Center
			Other Transit Management Center(s)
	- -		Regional ITS Management Center
			State Patrol Dispatch Center
Toll Authority Center(s)	Account Validation Notice	consists of a confirmation that a user's bank account or credit card number is correct and valid.	Toll Collection Roadside Equipment
	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
			Toll Collection Roadside Equipment
	Pricing Requirements	consists of requirements for pricing transportation services.	Toll Authority Center(s)
	Profile Confiiatio	consists of an acknowledgement that profile information has been received and processed.	User Interface Equipment
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Account Management Provider(s)
	Service Pricing Structures	consists of information about the rates charged for various transportation services (including ATIS services).	Account Management Provider(s)
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Account Management Provider(s)
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Account Management Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Toll Authority Center(s)	Tolls	consist of the specific prices charged for use of a roadway	Information Provider(s)
			Regional ITS Management System
			Tailored Traveler Information Provider(s)
			User Interface Equipment
Toll Collection Roadside Equipment	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Toll Authority Center(s)
	Payment Confirmation	consists of an acknowledgement that payment was received.	Basic Vehicle
			Payment Instrument
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Toll Authority Center(s)
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, {continued}	Toll Authority Center(s)
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Toll Authority Center(s)
Training Center	Training Completion	consists of identification of transit resources that have completed identified training.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
	Training Request	consists of a notice that particular resources are scheduled to attend a particular training activity.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Transit Information Distribution Equipment	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Trip Request	consists of a request for a tailored route, directions, and/or intinerary.	Information Provider(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Tailored Traveler information Provider(s)
Transit Maintenance Garage	Maintenance Completion	consists of status information pertaining to the maintenance recently performed on the vehicle.	Demand Responsive Transit Center(s)
	-		Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
	Maintenance Request	consists of request for preventive or on-demand maintenance on vehicles or equipment based on reported conditions, mileage, or hours of service.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
Transit Route Equipment	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Other Transit Management Center(s)
			Regional ITS Management Center
	Payment Confirmation	consists of an acknowledgement that payment was received.	Payment Instrument
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Transit Route Equipment	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Regional ITS Management Center
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Other Transit Management Center(s)
			Regional ITS Management Center
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Other Transit Management Center(s)
			Regional ITS Management Center
	Vehicle Location	consists of information that indicates the location of each vehicle.	Transit Vehicle
Transit Service Provider(s)	Account Validation Notice	consists of a confirmation that a user's bank account or credit card number is correct and valid.	Transit Vehicle
	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Financial Institution(s)
	Activation/ Deactivation Notice	consists of a notice of activation/deactivation of an entire ATIS service or service profile or a rideshare service provider profile.	User Interface Equipment
	Activation/ Deactivation Request	consists of a request for activation/deactivation of an entire ATIS service or a ride&are provider profile	Demand Responsive Transit Center(s)
			Regional ITS Management Center
	Demand Responsive Request	is a request to deviate vehicle from previously scheduled route to pick-up an additional passenger.	Transit Vehicle
	Demand Responsive Response	provides a response to demand responsive request. This data indicates whether the vehicle driver confirms or denies a real-time demand responsive ride request.	Demand Responsive Transit Center(s)
			Regional ITS Management Center
	Detour Request	is a request to provide an alternate route between two transit stops.	Tailored Traveler Information Provider(s)
	Detour Route	consists of an alternate route between an origin and destination. Used to route a vehicle around incidents/congestion, or to route a rideshare vehicle to pick up an additional customer.	Transit Vehicle
			Transit Vehicle
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Transit Service Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Transit Service Provider(s)	Mode Use Information	consists of information on how to use a specific transit mode (e.g. bus, train, etc.) such as rules for use, hours of operation, payment methods, etc.	Information Provider(s)
			Regional ITS Management System
			Tailored Traveler Information Provider(s)
			User Interface Equipment
	Payment Confirmation	consists of an acknowledgement that payment was received.	Financial Institution(s)
			Transit Vehicle
	Personnel Assignments	consists of driver-to-run driver-to-incident, supervisor-to-incident, maintenance personnel-to-incident, driver-to-training, and supervisor-to-training assignments.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			State Patrol Dispatch Center
	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Transit Service Provider(s)
	Pricing Requirements	consists of requirements for pricing transportation services.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional IT'S Management Center
	Profile Confirmation	consists of an acknowledgement that profile information has been received and processed.	User Interface Equipment

Source Component	Data Flow Name	Definition	Destination Component
Transit Service Provider(s)	Provider Profile	consists of information specific to a rideshare provider that uniquely identifies that provider and the services they provide. This data includes vehicle license plate number, vehicle make, vehicle color, driver ID, safety certification information	Demand Responsive Transit Center(s)
			Regional ITS Management Center
	Provider Validation Request	consists of a request to determine if the profile information given by the provider participating in the Ride Matching and Reservations Service is correct and true (e.g., drivers license, driver criminal history, moving violations, proper certifications).	External Information Source(s)
	Rideshare Information	consists of identity of the traveler and details of the transit route(s) that fulfill the origin destination requirements (e.g. transit route number, transit stop schedule and cost).	User Interface Equipment
	Rideshare Offer	consists of response to rideshare request. Includes trip itinerary, trip origin, destination and frequency, drop-off and pick-up times.	Demand Responsive Transit Center(s)
			Regional ITS Management Center
	Rideshare Provider Information	consists of data needed by rideshare transportation providers. This data includes daily trip manifests for each rideshare vehicle, service usage information, etc.	User Interface Equipment
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management System
			Regional ITS Management Center
			Transit Service Provider(s)
	Schedule Adherence Information	consists of information describing fleet schedule adherence - indicating route segment running time, transit stop arrival time and transit stop departure time.	Demand Responsive Transit Center(s)
			Inter-Jurisdictional Transit System
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
	Service Invoice	consists of a detailed list of services rendered and associated cost.	Financial Institution(s)

Source Component	Data Flow Name	Definition	Destination Component
Transit Service Provider(s)	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Account Management Provider(s)
	Service Pricing Structures	consists of information about the rates charged for various transportation services (including ATIS services).	Account Management Provider(s)
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource-statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Demand Responsive Transit Center(s)
			Account Management Provider(s)
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Account Management Provider(s)
			Demand Responsive Transit Center(s)
	Traffic Conditions	consists of information about flow of traffic for a pre-determined reporting area.	Transit Service Provider(s)
	Transfer Delay Request	consists of an inter-agency request to delay departure of a connecting vehicle to assist transfer when the originating vehicle is late.	Regional ITS Management Center
			Transit Vehicle
	Transit Conditions	consists of information about transit vehicle schedule adherence, rideshare data, and transit provider information including but not limited to vehicle ID, transit stop, estimated vehicle arrival time, estimated vehicle departure time, current schedule.	Regional ITS Management System
			Transit Service Provider(s)
			Demand Responsive Transit Center(s)
			Regional ITS Management Center
			Other Transit Management Center(s)
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
			Tailored Traveler Information Provider(s)
	Travel Conditions 1	consists of current/forecast information about traffic conditions, planned event information, incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	Transit Service Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Transit Service Provider(s)	Travel Conditions	(continued) and weather that is customized to a user's specified trip and mode(s).	Transit Service Provider(s)
	Vehicle Assignments	consists of assignment of vehicles to facilities, jurisdictions, personnel, incidents, maintenance, training or available.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
	Vehicle Location	consists of information that indicates the location of each vehicle.	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Division of Emergency Management Center
			Emergency Vehicle
			External Information Source(s)
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management system
			State Patrol Dispatch Center
	Vehicle Manifest	consists of scheduled arrival/departure times, and course of travel for a specified run.	Transit Vehicle
			User Interface Equipment
	Weather Conditions	consists of current and/or forecast weather conditions such as rain, snow, fog, sunny, clear.	Transit Service Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
Transit Vehicle	Account Validation Request	consists of a request to determine the validity of a user's bank account or credit card number.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
	Demand Responsive Response	provides a response to demand responsive request. This data indicates whether the vehicle driver confirms or denies a real-time demand responsive ride request.	Demand Responsive Transit Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
	Detour Request	is a request to provide an alternate route between two transit stops.	Demand Responsive Transit Center(s)
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			Transit Service Provider(s)
			Transit Service Provider(s)
	Equipment Status	consists of the accumulated hours of usage and operator reported problems	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Transit Vehicle	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
	Incident Response Status	consists of ETAS of responding resources, current step of response procedure, and estimated time that the incident is cleared	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
	Payment Confumation	consists of an acknowledgement that payment was received.	Payment Instrument
	Resource Location	consist of the location of vehicles, equipment and personnel	Demand Responsive Transit Center(s)
			Other Transit Management Center (s)
			Regional ITS Management Center
	Resource Request	consists of a request to provide personnel, vehicles, and equipment to an incident.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			Transit Service Provider(s)
	Rideshare Completions	consists of an indication that a passenger completed a trip.	Demand Responsive Transit Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
	Road Construction Data	consists of transit vehicle report of witnessed significant road construction information.	Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
Transit Vehicle	Road Construction Data	consists of transit vehicle report of witnessed significant road construction information.	Regional ITS Management Center
	Service Payment	consists of payments for parking, tolls, transit fares, traveler information services.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
	Service Usage Data -1	consists of data required to generate a user's service invoice for services rendered as well as overall transit resource statistics, including trip origin and destination, departure and arrival time, vehicle % full at stop, (continued)	Regional ITS Management Center
			Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Transit Service Provider(s)
	Service Usage Data -2	(continued) number of passengers entering and exiting vehicle at stop, payment method, fare type, vehicle dwell time at stop, and wheel chair lift use at stop.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Transit Service Provider(s)
	Signal Priority Request	is a request to pre-empt intersection traffic signals. This request enables transit vehicles to return to schedule adherence & is lower in priority than an emergency vehicle signal pre-emption request.	Centralized Roadside Equipment
			Centralized Roadside **Equipment**
			Centralized Roadside Equipment
			Decentralized Roadside Equipment
			Decentralized Roadside Equipment
			Decentralized Roadside Equipment
			Demand Responsive Transit Center(s)
			Freeway Roadside Equipment

Source Component	Data Flow Name	Definition	Destination Component
Transit Vehicle	Signal Priority Request	is a request to pre-empt intersection traffic signals. This request enables transit vehicles to return to schedule adherence & is lower in priority than an emergency vehicle signal pre-emption request.	Freeway Roadside Equipment
			Other Transit Management Center(s)
			Regional ITS Management Center
			Road Maintenance Roadside Equipment
	Vehicle Location	consists of information that indicates the location of each vehicle.	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Regional ITS Management Center
			Transit Service Provider(s)
	Vehicle Parameters	consists of raw (i.e. unsensed) environmental conditions associated with the vehicle (e.g. engine temp, door open/closed, vehicle position, velocity, acceleration, etc.).	Demand Responsive Transit Center(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Regional ITS Management Center
			Transit Route Equipment
			Transit Service Provider(s)
	Vehicle Pre-trip Inspection Report	consists of transit vehicle pre-trip inspection results	Other Transit Management Center(s)
			Regional ITS Management Center
	Vehicle status	consists of maintenance conditions associated with the vehicle (including but not limited to fuel levels, brake status, mileage).	Other Transit Management Center(s)
			Regional ITS Management Center

Source Component	Data Flow Name	Definition	Destination Component
Truck Center	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management System
			Regional ITS Management Center
			Road Weather Information Center
			State Patrol Dispatch Center
			Transit Service Provider(s)
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g.route, mode, jurisdiction)	Tailored Traveler Information Provider(s)
	Travel Conditions 1	consists of current/forecast information about traffic conditions, planned event information incident conditions (e.g., accidents), transit conditions, road surface conditions, parking conditions (continued)	User Interface Equipment
	Travel Conditions 2	(continued) and weather that is customized to a user's specified trip and mode(s).	User Interface Equipment
	Travel Effects Rules	consists of rules to help determine the effects of travel conditions along a mode segment.	Regional ITS Management System
	Trip Alternative Rules	consists of rules to assist in determining the traveler's alternatives.	Regional ITS Management System

Source Component	Data Flow Name	Definition	Destination Component
User Interface Equipment	Activation/ Deactivation Request	consists of a request for activation/deactivation of an entire ATIS service or a rideshare provider profile	Demand Responsive Transit Center(s)
			Mayday Service Provider(s)
			Regional ITS Management Center
			Rideshare Center
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
	Incident Conditions	consists of stored information applicable to an active incident that has impact on current travel conditions	Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			State Patrol Dispatch Center
	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Division of Emergency Management Center
			Freeway Traffic Management Center
			Incident Dispatch Center(s)
			Incident Dispatch Center(s)
			Inter-Jurisdictional Incident Management System
			Maintenance Dispatch Center
			Mayday Service Provider(s)
			Other Transit Management Center(s)

Source Component	Data Flow Name	Definition	Destination Component
User Interface Equipment	Incident Data	consists of information that is collected about an incident but may not be organized or stored in a repository. (e.g. incident location, type of incident and timestamp)	Regional ITS Management Center
			Regional ITS Management System
			State Patrol Dispatch Center
	Manual Override	consists of the system users who have the authority to override the traffic system for maintenance, unplanned traffic timing plans, or incidents.	Centralized Control Signal Center(s)
			Centralized Roadside Equipment
			Decentralized Control Signal Center(s)
			Decentralized Roadside Equipment
			Freeway Roadside Equipment
			Freeway Traffic Management Center
			Inter-Jurisdictional Traffic System
			Maintenance Dispatch Center
			Road Maintenance Roadside Equipment
	Mayday Cancellation	consists of a termination of a Mayday request for service	Mayday Service Provider(s)
	Mayday Request	consists of a call for assistance	Mayday Service Provider(s)
	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Demand Responsive Transit Center(s)
			Freeway Traffic Management Center
			Information Provider(s)
			Maintenance Dispatch Center

Source Component	Data Flow Name	Definition	Destination Component
User Interface Equipment	Planned Event Information	consists of information about construction and/or special events (e.g. sporting events, parades)	Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
			Transit Service Provider(s)
			Truck Center
	Pricing Requirement	consists of requirements for pricing transportation services.	Demand Responsive Transit Center(s)
			Mayday Service Provider(s)
			Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Tailored Traveler Information Provider(s)
			Toll Authority Center(s)
			Transit Service Provider(s)
	Provider Profile	consists of information specific to a rideshare provider that uniquely identifies that provider and the services they provide. This data includes vehicle license plate number, vehicle make, vehicle color, driver ID, safety certification information	Rideshare Center
	Reservation/ Ticket Request	consists of a request to a provider for a ticket or a reservation.	External Information Source(s)
			Parking Management Center(s)
	Rideshare Completions	consists of an indication that a passenger completed a trip.	Demand Responsive Transit Center(s)
			Regional ITS Management Center
			Rideshare Center
			Transit Service Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
User Interface Equipment	Rideshare Offer	consists of response to ride&are request. Includes trip itinerary, trip origin, destination and frequency, drop-off and pick-up times.	Demand Responsive Transit Center(s)
			Regional ITS Management Center
			Rideshare Center
			Transit Service Provider(s)
	Ride&are Request	consists of data used to specify a specific trip itinerary, & to reserve or cancel a seat on a vehicle. Includes reservation request, cancellation request, rider ID & constraints, trip origination, destination & frequency, drop-off and pick-up times	Transit Service Provider(s)
			Regional ITS Management Center
			Demand Responsive Transit Center(s)
			Rideshare Center
	Road Surface Conditions	consists of current and/or forecast road conditions such as dry, wet, flooded, snow covered, slippery, plowed, salted, sanded (based on road surface surveillance data and weather forecasts).	Broadcast Information Provider(s)
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			Freeway Traffic Management Center
			Information Provider(s)
			Maintenance Dispatch Center
			State Patrol Dispatch Center
			Tailored Traveler Information Provider(s)
	Traffic Data	consists of traffic related information that is created for describing the traffic conditions of a pm-determined location. (e.g. speed, vehicle quantity,density,time stamp, & location of where the data is generated).	Decentralized Control Signal Center(s)
			Centralized Roadside Equipment
			Centralized Control Signal Center(s)
			Maintenance Dispatch Center

Source Component	Data Flow Name	Definition	Destination Component
User Interface Equipment	Traffic Data	consists of traffic related information that is created for describing the traffic conditions of a pre-determined location. (e.g. speed, vehicle quantity,density,time stamp, & location of where the data is generated).	Freeway Roadside Equipment
			Decentralized Roadside Equipment
			Freeway Traffic Management Center
			Road Maintenance Roadside Equipment
	Travel Conditions Request	is a request for travel conditions information. It can consist of a request for all basic travel conditions info or for travel conditions info. tailored to the user's specific needs (e.g. route, mode, jurisdiction)	Information Provider(s)
			Tailored Traveler Information Provider(s)
			Freeway Traffic Management Center
			Centralized Control Signal Center(s)
			Decentralized Control Signal Center(s)
			State Patrol Dispatch Center
			Other Transit Management Center(s)
			Regional ITS Management Center
			Maintenance Dispatch Center
			Truck Center
			Tailored Traveler Information Provider(s)
	Traveler Services Request	consists of a request for any yellow pages or other traveler information (i.e. medical facilities, airline, rental car, etc.)	Tailored Traveler Information Provider(s)
	Trip Request	consists of a request for a tailored route, directions, and/or intinerary.	Information Provider(s)
			Other Transit Management Center(s)
			Regional ITS Management Center
			Tailored Traveler Information Provider(s)
	User Profile	consists of information specific to a user that uniquely identifies that user and their travel information preferences.	Account Management Provider(s)

Source Component	Data Flow Name	Definition	Destination Component
User Interface Equipment	User Profile	consists of information specific to a user that uniquely identifies that user and their travel information preferences.	Demand Responsive Transit Center(s)
			Mayday Service Provider(s)
			May&y Service Provider(s)
		--	Other Transit Management Center(s)
			Parking Management Center(s)
			Regional ITS Management Center
			Rideshare Center
			Tailored Traveler Information Provider(s)
			Toll Authority Center(s)
			Transit Service Provider(s)